DL CA Power

2CA DL

CA List	PCC									SCC					Power	
	LTE Band	BW Ant	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	With CA Tx. Power (dBm)	Without CA Tx. Power (dBm)
CA_12A-48A	Band 12	Ant0	10M	707.5	23095	QPSK	1	0		Band 48	20M	3609	55830		22.03	22.21
	Band 12	Ant1	10M	707.5	23095	QPSK	1	0		Band 48	20M	3609	55830		21.62	21.76
CA_17A-30A	Band 30	Ant0	10M	2310	27710	QPSK	1	0		Band 17	10M	740	5790		24.04	24.20
	Band 30	Ant1	10M	2310	27710	QPSK	1	0		Band 17	10M	740	5790		23.16	23.31
	Band 30	Ant2	10M	2310	27710	QPSK	1	0		Band 17	10M	740	5790		23.55	23.64
	Band 30	Ant3	10M	2310	27710	QPSK	1	0		Band 17	10M	740	5790		22.85	22.95
	Band 17	Ant0	10M	710	23790	QPSK	1	0		Band 30	10M	2355	9820		22.01	22.10
	Band 17	Ant1	10M	710	23790	QPSK	1	0		Band 30	10M	2355	9820		21.53	21.70
CA_17A-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 17	10M	740	5790		23.31	23.37
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 17	10M	740	5790		23.08	23.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 17	10M	740	5790		23.35	23.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 17	10M	740	5790		23.15	23.27
	Band 17	Ant0	10M	710	23790	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	21.95	22.10
	Band 17	Ant1	10M	710	23790	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	21.52	21.70
CA_25A-41A	Band 25	Ant0	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	23.18	23.31
	Band 25	Ant1	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	22.64	22.80
	Band 25	Ant2	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	23.30	23.49
	Band 25	Ant3	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	23.34	23.43
CA_26A-41A	Band 26	Ant0	15M	831.5	26865	QPSK	1	0		Band 41	20M	2593	40620	4x4MIMO	22.02	22.22
	Band 26	Ant1	15M	831.5	26865	QPSK	1	0		Band 41	20M	2593	40620	4x4MIMO	21.72	21.92
CA_2A-38A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 38	20M	2599.8	38048	4x4MIMO	23.21	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 38	20M	2599.8	38048	4x4MIMO	22.63	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 38	20M	2599.8	38048	4x4MIMO	23.35	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 38	20M	2599.8	38048	4x4MIMO	23.28	23.36
	Band 38	Ant 0	20M	2595	38000	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	24.11	24.35
	Band 38	Ant 1	20M	2595	38000	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.67	23.73
	Band 38	Ant 2	20M	2595	38000	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	24.04	24.16
	Band 38	Ant 3	20M	2595	38000	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.84	23.05
CA_41A-48A	Band 41	Ant0	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	24.38	24.52
	Band 41	Ant1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830		23.49	23.61
	Band 41	Ant2	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830		24.11	24.16
	Band 41	Ant3	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830		22.85	22.93
CA_48B	Band 48	Ant3	10M	3625	55990	QPSK	1	0		Band 48	10M	3644.8	56188		22.94	23.06
	Band 48	Ant4	10M	3625	55990	QPSK	1	0		Band 48	10M	3644.8	56188		23.56	23.73
	Band 48	Ant6	10M	3625	55990	QPSK	1	0		Band 48	10M	3644.8	56188		23.16	23.36
	Band 48	Ant8	10M	3625	55990	QPSK	1	0		Band 48	10M	3644.8	56188		23.22	23.29
CA_4A-48A	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830		23.15	23.31
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830		22.98	23.06
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830		23.18	23.24
	Band 4	Ant3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830		22.98	23.12
CA_5A-41A	Band 5	Ant 0	10M	836.5	20525	QPSK	1	0		Band 41	20M	2593	40620	4x4MIMO	22.11	22.18
	Band 5	Ant 1	10M	836.5	20525	QPSK	1	0		Band 41	20M	2593	40620	4x4MIMO	21.64	21.82
	Band 41	Ant0	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		24.39	24.52
	Band 41	Ant1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		23.51	23.61
	Band 41	Ant2	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		23.98	24.16
	Band 41	Ant3	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		22.77	22.93
CA_7A-71A	Band 7	Ant 0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 71	20M	683	68786		22.03	22.18
	Band 7	Ant 1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 71	20M	683	68786		23.52	23.67
	Band 7	Ant 2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 71	20M	683	68786		24.04	24.22
	Band 7	Ant 10	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 71	20M	683	68786		24.04	24.17
	Band 71	Ant0	20M	683	133322	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	22.35	22.54
	Band 71	Ant1	20M	683	133322	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	22.01	22.13
CA_7B	Band 7	Ant0	15M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2544.3	3193	4x4MIMO	22.05	22.18
	Band 7	Ant1	15M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2544.3	3193	4x4MIMO	23.53	23.67
	Band 7	Ant2	15M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2544.3	3193	4x4MIMO	24.15	24.22
	Band 7	Ant3	15M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2544.3	3193	4x4MIMO	24.03	24.17

3CA DL

3CA List	PCC									SCC1					SCC2						Power	
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration		With CA	Without CA
	Band	Ant	(MHz)	Freq. (MHz)	Channel		RB	RB Offset		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel			Tx. Power (dBm)	Tx. Power (dBm)
CA_12A-30A-66A	Band 12	Ant0	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 30	10M	2355	9820			22.09	22.21
	Band 12	Ant1	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 30	10M	2355	9820			21.66	21.76
	Band 30	Ant0	10M	2310	27710	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 12	10M	737.5	5095			24.04	24.20
	Band 30	Ant1	10M	2310	27710	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 12	10M	737.5	5095			23.16	23.31
	Band 30	Ant2	10M	2310	27710	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 12	10M	737.5	5095			23.55	23.64
	Band 30	Ant3	10M	2310	27710	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 12	10M	737.5	5095			22.85	22.95
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 30	10M	2355	9820		Band 2	20M	1960	900	4x4MIMO		23.22	23.37
	Band 66	Ant1	20M	1745	132322	QPSK		0	4x4MIMO	Band 30	10M	2355	9820		Band 2	20M	1960	900	4x4MIMO		23.06	23.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 30	10M	2355	9820		Band 2	20M	1960	900	4x4MIMO		23.30	23.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 30	10M	2355	9820		Band 2	20M	1960	900	4x4MIMO		23.13	23.27
CA_12A-48C	Band 12	Ant0	10M	707.5	23095	QPSK	1	0		Band 48	20M	3609	55830		Band 48	20M	3628.8	56028			22.09	22.21
	Band 12	Ant1	10M	707.5	23095	QPSK	1	0		Band 48	20M	3609	55830		Band 48	20M	3628.8	56028			21.66	21.76
CA_12A-66A-66A	Band 12	Ant0	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO		22.09	22.21
	Band 12	Ant1	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO		21.66	21.76
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 12	10M	737.5	5095			23.22	23.37
	Band 66	Ant1	20M	1745	132322	QPSK		0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 12	10M	737.5	5095			23.06	23.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 12	10M	737.5	5095			23.30	23.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 12	10M	737.5	5095			23.13	23.27
CA_12A-66C	Band 12	Ant0	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO		22.09	22.21
	Band 12	Ant1	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO		21.66	21.76
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 12	10M	737.5	5095			23.27	23.37
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 12	10M	737.5	5095			23.06	23.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 12	10M	737.5	5095			23.30	23.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 12	10M	737.5	5095			23.21	23.27
CA_12B-66A	Band 12	Ant0	5M	707.5	23095	QPSK	1	0		Band 12	5M	742.3	5143		Band 66	20M	2155	66886	4x4MIMO		22.02	22.21
	Band 12	Ant1	5M	707.5	23095	QPSK	1	0		Band 12	5M	742.3	5143		Band 66	20M	2155	66886	4x4MIMO		21.59	21.76
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 12	5M	737.5	5095		Band 12	5M	742.3	5143			23.25	23.37
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 12	5M	737.5	5095		Band 12	5M	742.3	5143			23.06	23.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 12	5M	737.5	5095		Band 12	5M	742.3	5143			23.35	23.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 12	5M	737.5	5095		Band 12	5M	742.3	5143			23.19	23.27
CA_13A-48A-66A	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 48	20M	3609	55830		Band 66	20M	2155	66886	4x4MIMO		22.09	22.20
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 48	20M	3609	55830		Band 66	20M	2155	66886	4x4MIMO		21.83	21.92
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3609	55830			23.29	23.37
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3609	55830			22.95	23.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3609	55830			23.31	23.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3609	55830			23.09	23.27
CA_13A-48C	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 48	20M	3609	55830		Band 48	20M	3628.8	56028			22.04	22.20
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 48	20M	3609	55830		Band 48	20M	3628.8	56028			21.72	21.92
CA_13A-66A-66A	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO		22.05	22.20
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO		21.84	21.92
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 13	10M	751	5230			23.31	23.37
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 13	10M	751	5230			23.08	23.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 13	10M	751	5230			23.35	23.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 13	10M	751	5230			23.15	23.27
CA_13A-66B	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO		22.13	22.20
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO		21.79	21.92
	Band 66	Ant0	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	Band 13	10M	751	5230			23.27	23.37
	Band 66	Ant1	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	Band 13	10M	751	5230			23.04	23.12
	Band 66	Ant2	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	Band 13	10M	751	5230			23.35	23.41
	Band 66	Ant3	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	Band 13	10M	751	5230			23.14	23.27
CA_13A-66C	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO		22.14	22.20
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO		21.75	21.92
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 13	10M	751	5230			23.18	23.37
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 13	10M	751	5230			23.01	23.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 13	10M	751	5230			23.35	23.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 13	10M	751	5230			23.17	23.27
CA_14A-66A-66A	Band 14	Ant0	10M	793	23330	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO		22.23	22.31
	Band 14	Ant1	10M	793	23330	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO		21.79	21.95
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 14	10M	763	5330			23.21	23.37
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 14	10M	763	5330			23.00	23.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 14	10M	763	5330			23.27	23.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 14	10M	763	5330			23.14	23.27
CA_14A-30A-66A	Band 14	Ant0	10M	793	23330	QPSK	1	0		Band 30	10M	2355	9820		Band 66	20M	2155	66886	4x4MIMO		22.20	22.31
	Band 14	Ant1	10M	793	23330	QPSK	1	0		Band 30	10M	2355	9820		Band 66	20M	2155	66886	4x4MIMO		21.75	21.95
	Band 30	Ant0	10M	2310	27710	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 14	10M	763	5330			24.04	24.20
	Band 30	Ant1	10M	2310	27710	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 14	10M	763	5330			23.16	23.31
	Band 30	Ant2	10M	2310	27710	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 14	10M	763	5330			23.55	23.64
	Band 30	Ant3	10M	2310	27710	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 14	10M	763	5330			22.85	22.95
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 14	10M	763	5330		Band 30	10M	2355	9820			23.19	23.37
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 14	10M	763	5330		Band 30	10M	2355	9820			23.05	23.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 14	10M	763	5330		Band 30	10M	2355	9820			23.21	23.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 14	10M	763	5330		Band 30	10M	2355	9820			23.10	23.27
CA_66C-71A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 71	20M	683	68786			23.22	23.37
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 71	20M	683	68786			22.95	23.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 71	20M	683	68786			23.25	23.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 71	20M	683	68786			23.09	23.27
	Band 71	Ant0	20M	683	133322	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO		22.35	22.54
	Band 71	Ant1	20M	683	133322	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO		22.01	22.13
CA_7A-12A-66A	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 66	20M	2155	66886	4x4MIMO		22.03	22.18
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 66	20M	2155	66886	4x4MIMO		23.49	23.67
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 66	20M	2155	66886	4x4MIMO		24.03	24.22
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 66	20M	2155	66886	4x4MIMO		24.10	24.17
	Band 12	Ant0	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO		22.05	22.21
	Band 12	Ant1	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO		21.67	21.76
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 12	10M	737.5	5095			23.20	23.37
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 12	10M	737.5	5095			22.99	23.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 12	10M	737.5	5095			23.25	23.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 12	10M	737.5	5095			23.23	23.27
CA_7A-13A-66A	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 66	20M	2155	66886	4x4MIMO		22.06	22.18
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 66	20M	2155	66886	4x4MIMO		23.62	23.67
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 66	20M	2155	66886	4x4MIMO		24.10	24.22
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 66	20M	2155	66886	4x4MIMO		24.09	24.17
	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO		22.07	22.20
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO		21.83	21.92
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 13	10M	751	5230			23.23	23.37
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 13	10M	751	5230			22.94	23.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 13	10M	751	5230			23.27	23.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 13	10M	751	5230			23.11	23.27
CA_25A-25A-26A	Band 25	Ant0	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 25	20M	1985	8590	4x4MIMO	Band 26	5M	876.5	8865			23.21	23.31
	Band 25	Ant1	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 25	20M	1985	8590	4x4MIMO	Band 26	5M	876.5	8865			22.70	22.80
	Band 25	Ant2	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 25	20M	1985	8590	4x4MIMO	Band 26	5M	876.5	8865			23.40	23.49
	Band 25	Ant3	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 25	20M	1985	8590	4x4MIMO	Band 26	5M	876.5	8865			23.36	23.43
	Band 26	Ant0	5M	831.5	26865	QPSK	1	0		Band 25	20M	1960	8340	4x4MIMO	Band 25	20M	1985	8590	4x4MIMO		22.16	22.22
	Band 26	Ant1	5M	831.5	26865	QPSK	1	0		Band 25	20M	1960	8340	4x4MIMO	Band 25	20M	1985	8590	4x4MIMO		21.81	21.92
CA_25A-25A-66A	Band 25	Ant0	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 25	20M	1985	8590	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO		23.13	23.31
	Band 25	Ant1	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 25	20M	1985	8590	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO		22.72	22.80
	Band 25	Ant2	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 25	20M	1985	8590	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO		23.29	23.49
	Band 25	Ant3	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 25	20M	1985	8590	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO		23.39	23.43
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 25	20M	1960	8340	4x4MIMO	Band 25	20M	1985	8590	4x4MIMO		23.26	23.37
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 25	20M	1960	8340	4x4MIMO	Band 25	20M	1985	8590	4x4MIMO		22.96	23.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 25	20M	1960	8340	4x4MIMO	Band 25	20M	1985	8590	4x4MIMO		23.22	23.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 25	20M	1960	8340	4x4MIMO	Band 25	20M	1985	8590	4x4MIMO		23.19	23.27
CA_25A-41C	Band 25	Ant0	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO		23.13	23.31
	Band 25	Ant1	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO		22.70	22.80
	Band 25	Ant2	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO		23.31	23.49
	Band 25	Ant3	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO		23.31	23.43
CA_26A-41C	Band 26	Ant0	15M	831.5	26865	QPSK	1	0		Band 41	20M	2593	40620	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO		22.16	22.22
	Band 26	Ant1	15M	831.5	26865	QPSK	1	0		Band 41	20M	2593	40620	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO		21.84	21.92
CA_2A-12A-30A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 30	10M	2355	9820			23.13	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 30	10M	2355	9820			22.64	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 30	10M	2355	9820			23.24	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 30	10M	2355	9820			23.25	23.36
	Band 12	Ant0	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 30	10M	2355	9820			22.02	22.21
	Band 12	Ant1	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 30	10M	2355	9820			21.66	21.76
	Band 30	Ant0	10M	2310	27710	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 12	10M	737.5	5095			24.00	24.20
	Band 30	Ant1	10M	2310	27710	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 12	10M	737.5	5095			23.23	23.31
	Band 30	Ant2	10M	2310	27710	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 12	10M	737.5	5095			23.57	23.64
	Band 30	Ant3	10M	2310	27710	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 12	10M	737.5	5095			22.88	22.95

CA_2A-12A-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 66	20M	2155	66886	4x4MIMO	23.22	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 66	20M	2155	66886	4x4MIMO	22.65	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 66	20M	2155	66886	4x4MIMO	23.27	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 66	20M	2155	66886	4x4MIMO	23.19	23.36
	Band 12	Ant0	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	22.12	22.21
	Band 12	Ant1	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	21.64	21.76
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 12	10M	737.5	5095		23.21	23.37
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 12	10M	737.5	5095		23.06	23.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 12	10M	737.5	5095		23.25	23.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 12	10M	737.5	5095		23.22	23.27
CA_2A-12B	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 12	5M	737.5	5095		Band 12	5M	742.3	5143		23.21	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 12	5M	737.5	5095		Band 12	5M	742.3	5143		22.63	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 12	5M	737.5	5095		Band 12	5M	742.3	5143		23.35	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 12	5M	737.5	5095		Band 12	5M	742.3	5143		23.28	23.36
	Band 12	Ant0	5M	707.5	23095	QPSK	1	0		Band 12	5M	742.3	5143		Band 2	20M	1960	900	4x4MIMO	22.12	22.21
	Band 12	Ant1	5M	707.5	23095	QPSK	1	0		Band 12	5M	742.3	5143		Band 2	20M	1960	900	4x4MIMO	21.60	21.76
CA_2A-13A-48A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 48	20M	3609	55830		23.16	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 48	20M	3609	55830		22.59	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 48	20M	3609	55830		23.29	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 48	20M	3609	55830		23.21	23.36
	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 48	20M	3609	55830		Band 2	20M	1960	900	4x4MIMO	22.03	22.20
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 48	20M	3609	55830		Band 2	20M	1960	900	4x4MIMO	21.85	21.92
CA_2A-13A-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 66	20M	2155	66886	4x4MIMO	23.08	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 66	20M	2155	66886	4x4MIMO	22.63	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 66	20M	2155	66886	4x4MIMO	23.23	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 66	20M	2155	66886	4x4MIMO	23.25	23.36
	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	22.14	22.20
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	21.74	21.92
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230		23.29	23.37
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230		22.93	23.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230		23.28	23.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230		23.09	23.27
CA_2A-14A-30A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 14	10M	763	5330		Band 30	10M	2355	9820		23.17	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 14	10M	763	5330		Band 30	10M	2355	9820		22.60	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 14	10M	763	5330		Band 30	10M	2355	9820		23.35	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 14	10M	763	5330		Band 30	10M	2355	9820		23.24	23.36
	Band 14	Ant0	10M	793	23330	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 30	10M	2355	9820		22.26	22.31
	Band 14	Ant1	10M	793	23330	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 30	10M	2355	9820		21.76	21.95
	Band 30	Ant0	10M	2310	27710	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 14	10M	763	5330		24.07	24.20
	Band 30	Ant1	10M	2310	27710	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 14	10M	763	5330		23.12	23.31
	Band 30	Ant2	10M	2310	27710	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 14	10M	763	5330		23.60	23.64
	Band 30	Ant3	10M	2310	27710	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 14	10M	763	5330		22.83	22.95
CA_2A-2A-12A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 12	10M	737.5	5095		23.15	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 12	10M	737.5	5095		22.59	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 12	10M	737.5	5095		23.29	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 12	10M	737.5	5095		23.31	23.36
	Band 12	Ant0	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 30	10M	2355	9820		22.03	22.21
	Band 12	Ant1	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 30	10M	2355	9820		21.65	21.76
CA_2A-2A-13A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 13	10M	751	5230		23.12	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 13	10M	751	5230		22.54	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 13	10M	751	5230		23.25	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 13	10M	751	5230		23.21	23.36
	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.10	22.20
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	21.81	21.92
CA_2A-2A-14A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 14	10M	763	5330		23.19	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 14	10M	763	5330		22.61	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 14	10M	763	5330		23.37	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 14	10M	763	5330		23.28	23.36
	Band 14	Ant0	10M	793	23330	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.26	22.31
	Band 14	Ant1	10M	793	23330	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	21.91	21.95
CA_2A-2A-17A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 17	10M	740	5790		23.19	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 17	10M	740	5790		22.61	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 17	10M	740	5790		23.37	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 17	10M	740	5790		23.28	23.36
	Band 17	Ant0	10M	710	23790	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	21.95	22.10
	Band 17	Ant1	10M	710	23790	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	21.52	21.70
CA_2A-2A-30A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 30	10M	2355	9820		23.16	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 30	10M	2355	9820		22.54	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 30	10M	2355	9820		23.23	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 30	10M	2355	9820		23.24	23.36
	Band 30	Ant0	10M	2310	27710	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	24.03	24.20
	Band 30	Ant1	10M	2310	27710	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.26	23.31
	Band 30	Ant2	10M	2310	27710	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.57	23.64
	Band 30	Ant3	10M	2310	27710	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.86	22.95
CA_2A-2A-4A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.19	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.62	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.23	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.28	23.36
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.13	23.31
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.95	23.06
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.04	23.24
	Band 4	Ant3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.04	23.12
CA_2A-2A-5A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525		23.20	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525		22.59	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525		23.27	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525		23.19	23.36
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.03	22.18
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	21.74	21.82
CA_2A-2A-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.08	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	22.56	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.22	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.28	23.36
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.18	23.37
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.05	23.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.25	23.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.20	23.27
CA_2A-2A-71A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 71	20M	683	68786		23.09	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 71	20M	683	68786		22.60	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 71	20M	683	68786		23.22	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 71	20M	683	68786		23.26	23.36
	Band 71	Ant0	20M	683	133322	QPSK	1	0		Band 2	20M	1880	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.37	22.54
	Band 71	Ant1	20M	683	133322	QPSK	1	0		Band 2	20M	1880	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.03	22.13
CA_2A-2A-71A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 71	20M	637	68786		23.18	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 71	20M	637	68786		22.64	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 71	20M	637	68786		23.35	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 71	20M	637	68786		23.21	23.36
	Band 71	Ant0	20M	683	133322	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.34	22.54
	Band 71	Ant1	20M	683	133322	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	21.99	22.13
CA_2A-2A-7A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	23.17	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	22.63	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	23.26	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	23.19	23.36
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.01	22.18
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.48	23.67
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	24.03	24.22
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	24.09	24.17
CA_2A-30A-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 30	10M	2355	9820		23.13	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 30	10M	2355	9820		22.59	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 30	10M	2355	9820		23.34	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 30	10M	2355	9820		23.20	23.36
	Band 30	Ant0	10M	2310	27710	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	24.01	24.20
	Band 30	Ant1	10M	2310	27710	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.13	23.31
	Band 30	Ant2	10M	2310	27710	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	23.45	23.64
	Band 30	Ant3	10M	2310	27710	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	22.88	22.95
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 30	10M	2355	9820		23.17	23.37
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 30	10M	2355	9820		22.94	23.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 30	10M	2355	9820		23.36	23.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 30	10M	2355	9820		23.18	23.27
CA_2A-48A-48A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830		Band 48	5M	3697.5	56715		23.12	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830		Band 48	5M	3697.5	56715		22.56	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830		Band 48	5M	3697.5	56715		23.28	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830		Band 48	5M	3697.5	56715		23.17	23.36

CA_2A-48A-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830		Band 66	20M	2155	66886	4x4MIMO	23.08	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830		Band 66	20M	2155	66886	4x4MIMO	22.55	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830		Band 66	20M	2155	66886	4x4MIMO	23.32	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830		Band 66	20M	2155	66886	4x4MIMO	23.21	23.36
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3609	55830		23.22	23.37
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3609	55830		23.05	23.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3609	55830		23.26	23.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3609	55830		23.12	23.27
CA_2A-48C	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830		Band 48	20M	3628.8	56028		23.20	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830		Band 48	20M	3628.8	56028		22.55	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830		Band 48	20M	3628.8	56028		23.35	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830		Band 48	20M	3628.8	56028		23.16	23.36
CA_2A-4A-12A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 12	10M	737.5	5095		23.13	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 12	10M	737.5	5095		22.64	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 12	10M	737.5	5095		23.22	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 12	10M	737.5	5095		23.23	23.36
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 2	20M	1960	900	4x4MIMO	23.15	23.31
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 2	20M	1960	900	4x4MIMO	22.99	23.06
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 2	20M	1960	900	4x4MIMO	23.04	23.24
	Band 4	Ant3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 2	20M	1960	900	4x4MIMO	22.96	23.12
	Band 12	Ant0	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.13	22.21
	Band 12	Ant1	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	21.56	21.76
CA_2A-4A-13A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 13	10M	751	5230		23.10	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 13	10M	751	5230		22.56	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 13	10M	751	5230		23.36	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 13	10M	751	5230		23.29	23.36
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 2	20M	1960	900	4x4MIMO	23.12	23.31
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 2	20M	1960	900	4x4MIMO	22.91	23.06
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 2	20M	1960	900	4x4MIMO	23.06	23.24
	Band 4	Ant3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 2	20M	1960	900	4x4MIMO	22.93	23.12
	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.10	22.20
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	21.77	21.92
CA_2A-4A-17A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 17	10M	740	5790		23.10	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 17	10M	740	5790		22.56	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 17	10M	740	5790		23.36	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 17	10M	740	5790		23.29	23.36
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 17	10M	740	5790		Band 2	20M	1960	900	4x4MIMO	23.12	23.31
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 17	10M	740	5790		Band 2	20M	1960	900	4x4MIMO	22.91	23.06
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 17	10M	740	5790		Band 2	20M	1960	900	4x4MIMO	23.06	23.24
	Band 4	Ant3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 17	10M	740	5790		Band 2	20M	1960	900	4x4MIMO	22.93	23.12
	Band 17	Ant0	10M	710	23790	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	21.95	22.10
	Band 17	Ant1	10M	710	23790	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	21.52	21.70
CA_2A-4A-30A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 30	10M	2355	9820		23.10	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 30	10M	2355	9820		22.56	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 30	10M	2355	9820		23.36	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 30	10M	2355	9820		23.29	23.36
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 30	10M	2355	9820		Band 2	20M	1960	900	4x4MIMO	23.12	23.31
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 30	10M	2355	9820		Band 2	20M	1960	900	4x4MIMO	22.91	23.06
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 30	10M	2355	9820		Band 2	20M	1960	900	4x4MIMO	23.06	23.24
	Band 4	Ant3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 30	10M	2355	9820		Band 2	20M	1960	900	4x4MIMO	22.93	23.12
	Band 30	Ant0	10M	2310	27710	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	24.01	24.20
	Band 30	Ant1	10M	2310	27710	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.13	23.31
	Band 30	Ant2	10M	2310	27710	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.45	23.64
	Band 30	Ant3	10M	2310	27710	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.88	22.95
CA_2A-4A-4A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	23.08	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	22.65	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	23.25	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	23.28	23.36
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.17	23.31
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.00	23.06
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.09	23.24
	Band 4	Ant3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.00	23.12
CA_2A-4A-5A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525		23.21	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525		22.60	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525		23.35	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525		23.21	23.36
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525		23.18	23.31
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525		22.95	23.06
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525		23.09	23.24
	Band 4	Ant3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525		23.06	23.12
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.06	22.18
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	21.69	21.82
CA_2A-4A-71A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 71	20M	637	68786		23.12	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 71	20M	637	68786		22.62	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 71	20M	637	68786		23.26	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 71	20M	637	68786		23.17	23.36
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 71	20M	637	68786		23.27	23.31
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 71	20M	637	68786		22.88	23.06
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 71	20M	637	68786		23.15	23.24
	Band 4	Ant3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 71	20M	637	68786		22.95	23.12
	Band 71	Ant0	20M	683	133322	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.40	22.54
	Band 71	Ant1	20M	683	133322	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.08	22.13
CA_2A-4A-7A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	23.14	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	22.64	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	23.36	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	23.26	23.36
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.13	23.31
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.94	23.06
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.08	23.24
	Band 4	Ant3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.94	23.12
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.03	22.18
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.52	23.67
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	24.04	24.22
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	24.04	24.17
CA_2A-5A-30A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 30	10M	2355	9820		23.08	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 30	10M	2355	9820		22.64	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 30	10M	2355	9820		23.30	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 30	10M	2355	9820		23.30	23.36
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 30	10M	2355	9820		Band 2	20M	1960	900	4x4MIMO	22.02	22.18
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 30	10M	2355	9820		Band 2	20M	1960	900	4x4MIMO	21.74	21.82
	Band 30	Ant0	10M	2310	27710	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525		24.03	24.20
	Band 30	Ant1	10M	2310	27710	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525		23.26	23.31
	Band 30	Ant2	10M	2310	27710	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525		23.50	23.64
	Band 30	Ant3	10M	2310	27710	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525		22.90	22.95
CA_2A-5A-48A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3609	55830		23.08	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3609	55830		22.60	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3609	55830		23.30	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3609	55830		23.23	23.36
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 48	20M	3609	55830		Band 2	20M	1960	900	4x4MIMO	22.11	22.18
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 48	20M	3609	55830		Band 2	20M	1960	900	4x4MIMO	21.84	21.82

CA_2A-5A-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 66	20M	2155	66886	4x4MIMO	23.16	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 66	20M	2155	66886	4x4MIMO	22.59	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 66	20M	2155	66886	4x4MIMO	23.32	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 66	20M	2155	66886	4x4MIMO	23.24	23.36
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.00	22.18
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	21.74	21.82
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525		23.18	23.37
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525		23.04	23.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525		23.35	23.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525		23.14	23.27
CA_2A-5A-7A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4x4MIMO	23.17	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4x4MIMO	22.58	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4x4MIMO	23.23	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4x4MIMO	23.20	23.36
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.01	22.18
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	21.68	21.82
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525		22.12	22.18
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525		23.47	23.67
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525		24.06	24.22
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525		24.08	24.17
CA_2A-5B	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		23.18	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		22.60	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		23.23	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		23.18	23.36
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 2	20M	1960	900	4x4MIMO	22.03	22.18
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 2	20M	1960	900	4x4MIMO	21.68	21.82
CA_2A-66A-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.13	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.55	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.24	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	23.21	23.36
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.29	23.37
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.95	23.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.35	23.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.14	23.27
CA_2A-66A-71A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 71	20M	683	68786		23.20	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 71	20M	683	68786		22.58	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 71	20M	683	68786		23.29	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 71	20M	683	68786		23.27	23.36
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 71	20M	683	68786		Band 2	20M	1880	900	4x4MIMO	23.29	23.37
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 71	20M	683	68786		Band 2	20M	1880	900	4x4MIMO	23.07	23.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 71	20M	683	68786		Band 2	20M	1880	900	4x4MIMO	23.37	23.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 71	20M	683	68786		Band 2	20M	1880	900	4x4MIMO	23.22	23.27
	Band 71	Ant0	20M	683	133322	QPSK	1	0		Band 2	20M	1880	900	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	22.49	22.54
	Band 71	Ant1	20M	683	133322	QPSK	1	0		Band 2	20M	1880	900	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	21.96	22.13
CA_2A-66B	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	23.14	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	22.54	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	23.26	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	23.30	23.36
	Band 66	Ant0	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	23.19	23.37
	Band 66	Ant1	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	22.97	23.12
	Band 66	Ant2	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	23.22	23.41
	Band 66	Ant3	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	23.14	23.27
CA_2A-66C	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	23.13	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	22.66	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	23.37	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	23.19	23.36
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	23.29	23.37
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	22.97	23.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	23.34	23.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 2	20M	1880	900	4x4MIMO	23.11	23.27
CA_2A-7A-12A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 12	10M	737.5	5095		23.21	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 12	10M	737.5	5095		22.67	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 12	10M	737.5	5095		23.26	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 12	10M	737.5	5095		23.22	23.36
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 12	10M	737.5	5095		22.14	22.18
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 12	10M	737.5	5095		23.52	23.67
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 12	10M	737.5	5095		24.10	24.22
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 12	10M	737.5	5095		23.98	24.17
	Band 12	Ant0	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	22.13	22.21
	Band 12	Ant1	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	21.61	21.76

CA_2A-7A-13A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 13	10M	751	5230			23.21	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 13	10M	751	5230			22.58	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 13	10M	751	5230			23.32	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 13	10M	751	5230			23.23	23.36
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 2	20M	1960	900	4x4MIMO		22.07	22.18
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 2	20M	1960	900	4x4MIMO		23.52	23.67
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 2	20M	1960	900	4x4MIMO		24.15	24.22
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 2	20M	1960	900	4x4MIMO		24.10	24.17
	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO		22.03	22.20
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO		21.87	21.92
CA_2A-7A-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO		23.14	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO		22.62	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO		23.26	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO		23.28	23.36
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1960	900	4x4MIMO		22.02	22.18
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1960	900	4x4MIMO		23.60	23.67
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1960	900	4x4MIMO		24.04	24.22
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1960	900	4x4MIMO		24.01	24.17
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO		23.22	23.37
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO		22.98	23.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO		23.34	23.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO		23.13	23.27
CA_2A-7A-7A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO		23.11	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO		22.65	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO		23.34	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO		23.19	23.36
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 2	20M	1960	900	4x4MIMO		21.99	22.18
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 2	20M	1960	900	4x4MIMO		23.47	23.67
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 2	20M	1960	900	4x4MIMO		24.08	24.22
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 2	20M	1960	900	4x4MIMO		24.11	24.17
CA_2C-12A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	Band 12	10M	737.5	5095			23.16	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	Band 12	10M	737.5	5095			22.66	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	Band 12	10M	737.5	5095			23.22	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	Band 12	10M	737.5	5095			23.19	23.36
	Band 12	Ant0	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO		22.15	22.21
	Band 12	Ant1	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO		21.69	21.76
CA_2C-66	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO		23.09	23.27
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO		22.54	22.71
	Band 2	Ant2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO		23.32	23.41
	Band 2	Ant3	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO		23.22	23.36
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO		23.30	23.37
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO		23.01	23.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO		23.35	23.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO		23.22	23.27
CA_30A-66A-66A	Band 30	Ant0	10M	2310	27710	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO		24.01	24.20
	Band 30	Ant1	10M	2310	27710	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO		23.23	23.31
	Band 30	Ant2	10M	2310	27710	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO		23.46	23.64
	Band 30	Ant3	10M	2310	27710	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO		22.90	22.95
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 30	10M	2355	9820			23.20	23.37
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 30	10M	2355	9820			22.94	23.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 30	10M	2355	9820			23.32	23.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 30	10M	2355	9820			23.12	23.27
CA_7A-25A-25A	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 25	20M	1960	8340	4x4MIMO	Band 25	20M	1985	8590	4x4MIMO		22.04	22.18
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 25	20M	1960	8340	4x4MIMO	Band 25	20M	1985	8590	4x4MIMO		23.51	23.67
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 25	20M	1960	8340	4x4MIMO	Band 25	20M	1985	8590	4x4MIMO		24.12	24.22
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 25	20M	1960	8340	4x4MIMO	Band 25	20M	1985	8590	4x4MIMO		24.09	24.17
	Band 25	Ant0	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 25	20M	1985	8590	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO		23.25	23.31
	Band 25	Ant1	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 25	20M	1985	8590	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO		22.74	22.80
	Band 25	Ant2	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 25	20M	1985	8590	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO		23.45	23.49
	Band 25	Ant3	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 25	20M	1985	8590	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO		23.38	23.43
CA_7A-25A-26A	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 25	20M	1960	8340	4x4MIMO	Band 25	20M	1985	8590	4x4MIMO		22.04	22.18
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 25	20M	1960	8340	4x4MIMO	Band 25	20M	1985	8590	4x4MIMO		23.51	23.67
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 25	20M	1960	8340	4x4MIMO	Band 25	20M	1985	8590	4x4MIMO		24.12	24.22
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 25	20M	1960	8340	4x4MIMO	Band 25	20M	1985	8590	4x4MIMO		24.09	24.17
	Band 25	Ant0	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 25	20M	1985	8590	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO		23.25	23.31
	Band 25	Ant1	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 25	20M	1985	8590	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO		22.74	22.80
	Band 25	Ant2	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 25	20M	1985	8590	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO		23.45	23.49
	Band 25	Ant3	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 25	20M	1985	8590	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO		23.38	23.43
	Band 26	Ant0	5M	831.5	26865	QPSK	1	0		Band 25	20M	1960	8340	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO		22.16	22.22
	Band 26	Ant1	5M	831.5	26865	QPSK	1	0		Band 25	20M	1960	8340	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO		21.81	21.92
CA_7A-66A-66A	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO		22.12	22.18
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO		23.60	23.67
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO		24.16	24.22
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO		24.00	24.17
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO		23.20	23.37
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO		22.99	23.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO		23.23	23.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO		23.19	23.27
CA_7A-7A-13A	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 13	10M	751	5230			21.98	22.18
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 13	10M	751	5230			23.62	23.67
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 13	10M	751	5230			24.10	24.22
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 13	10M	751	5230			24.05	24.17
	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO		22.06	22.20
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO		21.84	21.92
CA_7A-7A-25A	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 25	20M	1960	8340	4x4MIMO		22.10	22.18
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 25	20M	1960	8340	4x4MIMO		23.52	23.67
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 25	20M	1960	8340	4x4MIMO		24.13	24.22
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 25	20M	1960	8340	4x4MIMO		24.03	24.17
	Band 25	Ant0	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO		23.13	23.31
	Band 25	Ant1	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO		22.70	22.80
	Band 25	Ant2	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO		23.35	23.49
	Band 25	Ant3	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO		23.25	23.43
CA_66A-66C	Band 66	Ant0	20M	1720	132072	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO		23.28	23.37
	Band 66	Ant1	20M	1720	132072	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO		23.03	23.12
	Band 66	Ant2	20M	1720	132072	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO		23.26	23.41
	Band 66	Ant3	20M	1720	132072	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO		23.14	23.27
CA_7A-7A-66A	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO		22.10	22.18
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO		23.51	23.67
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO		24.03	24.22
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO		24.09	24.17
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO		23.24	23.37
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO		23.03	23.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO		23.24	23.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO		23.07	23.27
CA_7C-13A	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 13	10M	751	5230			22.12	22.18
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 13	10M	751	5230			23.61	23.67
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 13	10M	751	5230			24.14	24.22
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 13	10M	751	5230			24.11	24.17
	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO		22.03	22.20
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO		21.87	21.92
CA_7C-66A	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO		22.12	22.18
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO		23.61	23.67
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO		24.14	24.22
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO		24.11	24.17
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO		23.26	23.37
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO		23.07	23.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO		23.26	23.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO		23.21	23.27
CA_41A-41A-41A	Band 41	Ant0	20M	2675.8	39750	QPSK	1	0	4x4MIMO	Band 41	20M	2660.2	41292	4x4MIMO	Band 41	20M	2680	41490	4x4MIMO		24.39	24.52
	Band 41	Ant1	20M	2675.8	39750	QPSK	1	0	4x4MIMO	Band 41	20M	2660.2	41292	4x4MIMO	Band 41	20M	2680	41490	4x4MIMO		23.51	23.61
	Band 41	Ant2	20M	2675.8	39750	QPSK	1	0	4x4MIMO	Band 41	20M	2660.2	41292	4x4MIMO	Band 41	20M	2680	41490	4x4MIMO		23.98	24.16
	Band 41	Ant3	20M	2675.8	39750	QPSK	1	0	4x4MIMO	Band 41	20M	2660.2	41292	4x4MIMO	Band 41	20M	2680	41490	4x4MIMO		22.77	22.93
CA_41A-41C	Band 41	Ant0	20M	2675.8	39750	QPSK	1	0	4x4MIMO	Band 41	20M	2660.2	41292	4x4MIMO	Band 41	20M	2680	41490	4x4MIMO		24.42	24.52
	Band 41	Ant1	20M	2675.8	39750	QPSK	1	0	4x4MIMO	Band 41	20M	2660.2	41292	4x4MIMO	Band 41	20M	2680	41490	4x4MIMO		23.51	23.61
	Band 41	Ant2	20M	2675.8	39750	QPSK	1	0	4x4MIMO	Band 41	20M	2660.2	41292	4x4MIMO	Band 41	20M	2680	41490	4x4MIMO		24.03	24.16
	Band 41	Ant3	20M	2675.8	39750	QPSK	1	0	4x4MIMO	Band 41	20M	2660.2	41292	4x4MIMO	Band 41	20M	2680	41490	4x4MIMO		22.74	22.93
CA_41A-48C	Band 41	Ant0	20M	2675.8	39750	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830		Band 48	20M	3628.8	56028			24.42	24.52
	Band 41	Ant1	20M	2675.8	39750	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830		Band 48	20M	3628.8	56028			23.51	23.61
	Band 41	Ant2	20M	2675.8	39750	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830		Band 48	20M	3628.8	56028			24.03	24.16
	Band 41	Ant3	20M	2675.8	39750	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830		Band 48	20M	3628.8	56028			22.74	22.93
CA_41D	Band 41	Ant0	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818

CA_48A-48A-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830		Band 48	5M	3697.5	56715			23.30	23.37
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830		Band 48	5M	3697.5	56715			22.94	23.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830		Band 48	5M	3697.5	56715			23.34	23.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830		Band 48	5M	3697.5	56715			23.15	23.27
CA_48A-48A-71A	Band 71	Ant0	20M	683	133322	QPSK	1	0		Band 48	20M	3609	55830		Band 48	5M	3697.5	56715			22.48	22.54
	Band 71	Ant1	20M	683	133322	QPSK	1	0		Band 48	20M	3609	55830		Band 48	5M	3697.5	56715			22.03	22.13
CA_48A_48C	Band 48	Ant3	20M	3609	55830	QPSK	1	0		Band 48	20M	3609	55830		Band 48	20M	3628.8	56028			22.99	23.06
	Band 48	Ant4	20M	3609	55830	QPSK	1	0		Band 48	20M	3609	55830		Band 48	20M	3628.8	56028			23.64	23.73
	Band 48	Ant6	20M	3609	55830	QPSK	1	0		Band 48	20M	3609	55830		Band 48	20M	3628.8	56028			23.25	23.36
	Band 48	Ant8	20M	3609	55830	QPSK	1	0		Band 48	20M	3609	55830		Band 48	20M	3628.8	56028			23.12	23.29
CA_48A-66A-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 48	20M	3609	55830			23.29	23.37
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 48	20M	3609	55830			22.95	23.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 48	20M	3609	55830			23.32	23.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 48	20M	3609	55830			23.21	23.27
CA_48A-66B	Band 66	Ant0	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	Band 48	20M	3609	55830			23.33	23.37
	Band 66	Ant1	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	Band 48	20M	3609	55830			23.00	23.12
	Band 66	Ant2	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	Band 48	20M	3609	55830			23.26	23.41
	Band 66	Ant3	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	Band 48	20M	3609	55830			23.13	23.27
CA_48A-66C	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 48	20M	3609	55830			23.25	23.37
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 48	20M	3609	55830			22.95	23.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 48	20M	3609	55830			23.24	23.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 48	20M	3609	55830			23.14	23.27
CA_48C-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830		Band 48	20M	3628.8	56028			23.21	23.37
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830		Band 48	20M	3628.8	56028			22.95	23.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830		Band 48	20M	3628.8	56028			23.22	23.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830		Band 48	20M	3628.8	56028			23.18	23.27
CA_48C-71A	Band 71	Ant0	20M	683	133322	QPSK	1	0		Band 48	20M	3609	55830		Band 48	20M	3628.8	56028			22.39	22.54
	Band 71	Ant1	20M	683	133322	QPSK	1	0		Band 48	20M	3609	55830		Band 48	20M	3628.8	56028			21.99	22.13
CA_48D	Band 48	Ant3	20M	3609	55830	QPSK	1	0		Band 48	20M	3628.8	56028		Band 48	20M	3648.6	56226			22.99	23.06
	Band 48	Ant4	20M	3609	55830	QPSK	1	0		Band 48	20M	3628.8	56028		Band 48	20M	3648.6	56226			23.64	23.73
	Band 48	Ant6	20M	3609	55830	QPSK	1	0		Band 48	20M	3628.8	56028		Band 48	20M	3648.6	56226			23.25	23.36
	Band 48	Ant8	20M	3609	55830	QPSK	1	0		Band 48	20M	3628.8	56028		Band 48	20M	3648.6	56226			23.12	23.29
CA_4A-12A-30A	Band 12	Ant0	10M	707.5	23095	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 30	10M	2355	9820			22.09	22.21
	Band 12	Ant1	10M	707.5	23095	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 30	10M	2355	9820			21.66	21.76
	Band 30	Ant0	10M	2310	27710	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 12	10M	737.5	5095			24.04	24.20
	Band 30	Ant1	10M	2310	27710	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 12	10M	737.5	5095			23.16	23.31
	Band 30	Ant2	10M	2310	27710	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 12	10M	737.5	5095			23.55	23.64
	Band 30	Ant3	10M	2310	27710	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 12	10M	737.5	5095			22.85	22.95
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 30	10M	2355	9820		Band 2	20M	1960	900	4x4MIMO		23.17	23.31
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 30	10M	2355	9820		Band 2	20M	1960	900	4x4MIMO		22.91	23.06
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 30	10M	2355	9820		Band 2	20M	1960	900	4x4MIMO		23.18	23.24
	Band 4	Ant3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 30	10M	2355	9820		Band 2	20M	1960	900	4x4MIMO		22.98	23.12

CA_4A-12B	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 12	5M	737.5	5095		Band 12	5M	742.3	5143		23.17	23.31
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 12	5M	737.5	5095		Band 12	5M	742.3	5143		22.91	23.06
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 12	5M	737.5	5095		Band 12	5M	742.3	5143		23.18	23.24
	Band 4	Ant3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 12	5M	737.5	5095		Band 12	5M	742.3	5143		22.98	23.12
	Band 12	Ant0	5M	707.5	23095	QPSK	1	0		Band 12	5M	742.3	5143		Band 4	20M	2132.5	2175	4x4MIMO	22.12	22.21
	Band 12	Ant1	5M	707.5	23095	QPSK	1	0		Band 12	5M	742.3	5143		Band 4	20M	2132.5	2175	4x4MIMO	21.72	21.76
CA_4A-48C	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830		Band 48	20M	3628.8	56028		23.20	23.31
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830		Band 48	20M	3628.8	56028		22.97	23.06
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830		Band 48	20M	3628.8	56028		23.08	23.24
	Band 4	Ant3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830		Band 48	20M	3628.8	56028		23.02	23.12
CA_4A-4A-12A	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 12	5M	737.5	5095		23.18	23.31
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 12	5M	737.5	5095		23.02	23.06
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 12	5M	737.5	5095		23.10	23.24
	Band 4	Ant3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 12	5M	737.5	5095		23.05	23.12
	Band 12	Ant0	5M	707.5	23095	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	22.08	22.21
	Band 12	Ant1	5M	707.5	23095	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	21.71	21.76
CA_4A-4A-13A	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 13	10M	751	5230		23.23	23.31
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 13	10M	751	5230		22.93	23.06
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 13	10M	751	5230		23.08	23.24
	Band 4	Ant3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 13	10M	751	5230		23.02	23.12
	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	22.16	22.20
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	21.78	21.92
CA_4A-4A-17A	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 17	10M	740	5790		23.23	23.31
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 17	10M	740	5790		22.93	23.06
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 17	10M	740	5790		23.08	23.24
	Band 4	Ant3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 17	10M	740	5790		23.02	23.12
	Band 17	Ant0	10M	710	23790	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	22.01	22.10
	Band 17	Ant1	10M	710	23790	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	21.53	21.70
CA_4A-4A-5A	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 5	10M	881.5	2525		23.13	23.31
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 5	10M	881.5	2525		22.99	23.06
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 5	10M	881.5	2525		23.05	23.24
	Band 4	Ant3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 5	10M	881.5	2525		22.93	23.12
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	22.01	22.18
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	21.77	21.82
CA_4A-4A-71A	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 71	20M	683	68786		23.24	23.31
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 71	20M	683	68786		22.93	23.06
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 71	20M	683	68786		23.05	23.24
	Band 4	Ant3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 71	20M	683	68786		23.04	23.12
	Band 71	Ant0	20M	683	133322	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	22.47	22.54
	Band 71	Ant1	20M	683	133322	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	21.97	22.13
CA_4A-4A-7A	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	23.18	23.31
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	22.91	23.06
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	23.08	23.24
	Band 4	Ant3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	23.03	23.12
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	22.04	22.18
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	23.62	23.67
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	24.12	24.22
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	24.01	24.17
CA_4A-5A-30A	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 30	10M	2355	9820		23.25	23.31
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 30	10M	2355	9820		22.97	23.06
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 30	10M	2355	9820		23.11	23.24
	Band 4	Ant3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 30	10M	2355	9820		22.95	23.12
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 30	10M	2355	9820		Band 4	20M	2132.5	2175	4x4MIMO	21.99	22.18
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 30	10M	2355	9820		Band 4	20M	2132.5	2175	4x4MIMO	21.66	21.82
	Band 30	Ant0	10M	2310	27710	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525		24.09	24.20
	Band 30	Ant1	10M	2310	27710	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525		23.27	23.31
	Band 30	Ant2	10M	2310	27710	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525		23.50	23.64
	Band 30	Ant3	10M	2310	27710	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525		22.89	22.95
CA_4A-7A-12A	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 12	10M	737.5	5095		23.17	23.31
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 12	10M	737.5	5095		22.99	23.06
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 12	10M	737.5	5095		23.16	23.24
	Band 4	Ant3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 12	10M	737.5	5095		23.08	23.12
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 4	20M	2132.5	2175	4x4MIMO	22.04	22.18
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 4	20M	2132.5	2175	4x4MIMO	23.59	23.67
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 4	20M	2132.5	2175	4x4MIMO	24.03	24.22
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 4	20M	2132.5	2175	4x4MIMO	24.04	24.17
	Band 12	Ant0	10M	707.5	23095	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	22.10	22.21
	Band 12	Ant1	10M	707.5	23095	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	21.60	21.76
CA_4A-7A-71A	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 71	20M	683	68786		23.17	23.31
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 71	20M	683	68786		22.99	23.06
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 71	20M	683	68786		23.16	23.24
	Band 4	Ant3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 71	20M	683	68786		23.08	23.12
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 71	20M	683	68786		Band 4	20M	2132.5	2175	4x4MIMO	22.04	22.18
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 71	20M	683	68786		Band 4	20M	2132.5	2175	4x4MIMO	23.59	23.67
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 71	20M	683	68786		Band 4	20M	2132.5	2175	4x4MIMO	24.03	24.22
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 71	20M	683	68786		Band 4	20M	2132.5	2175	4x4MIMO	24.04	24.17
	Band 71	Ant0	20M	683	133322	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	22.35	22.54
	Band 71	Ant1	20M	683	133322	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	22.01	22.13
CA_4A-7A-7A	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	23.14	23.31
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	22.96	23.06
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	23.14	23.24
	Band 4	Ant3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	22.98	23.12
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.09	22.18
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.48	23.67
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	24.12	24.22
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	24.05	24.17
CA_4A-7C	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	23.17	23.31
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	22.92	23.06
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	23.16	23.24
	Band 4	Ant3	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	22.93	23.12
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.02	22.18
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.49	23.67
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	24.17	24.22
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	24.03	24.17
CA_5A-30A-66A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 30	10M	2355	9820		Band 66	20M	2155	66886	4x4MIMO	22.04	22.18
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 30	10M	2355	9820		Band 66	20M	2155	66886	4x4MIMO	21.66	21.82
	Band 30	Ant0	10M	2310	27710	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 5	10M	881.5	2525		24.10	24.20
	Band 30	Ant1	10M	2310	27710	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 5	10M	881.5	2525		23.11	23.31
	Band 30	Ant2	10M	2310	27710	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 5	10M	881.5	2525		23.60	23.64
	Band 30	Ant3	10M	2310	27710	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 5	10M	881.5	2525		22.77	22.95
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 30	10M	2355	9820		23.21	23.37
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 30	10M	2355	9820		22.94	23.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 30	10M	2355	9820		23.34	23.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 30	10M	2355	9820		23.17	23.27
CA_5A-48A-48A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 48	20M	3609	55830		Band 48	5M	3697.5	56715		22.09	22.18
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 48	20M	3609	55830		Band 48	5M	3697.5	56715		21.76	21.82
CA_5A-48A-66	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 48	20M	3609	55830		Band 66	20M	2155	66886	4x4MIMO	22.12	22.18
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 48	20M	3609	55830		Band 66	20M	2155	66886	4x4MIMO	21.72	21.82
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3609	55830		23.33	23.37
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3609	55830		23.07	23.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3609	55830		23.23	23.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3609	55830		23.16	23.27
CA_5A-48C	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 48	20M	3609	55830		Band 48	20M	3628.8	56028		22.13	22.18
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 48	20M	3609	55830		Band 48	20M	3628.8	56028		21.67	21.82
CA_5A-66A-66A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.00	22.18
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	21.66	21.82
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525		23.32	23.37
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525		22.99	23.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525		23.31	23.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525		23.19	23.27
CA_5A-66B	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	22.09	22.18
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	21.66	21.82
	Band 66	Ant0	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	Band 5	10M	881.5	2525		23.22	23.37
	Band 66	Ant1	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	Band 5	10M	881.5	2525		22.97	23.12
	Band 66	Ant2	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	Band 5	10M	881.5	2525		23.30	23.41
	Band 66	Ant3	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	Band 5	10M	881.5	2525		23.10	23.27
CA_5A-66C	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	22.11	22.18
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	21.67	21.82
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 5	10M	881.5	2525		23.28	23.37
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 5	10M	881.5	2525		23.07	23.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 5	10M	881.5	2525		23.37	23.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 5	10M	881.5	2525		23.09	23.27

CA_5A-7A-66A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	22.10	22.18
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	21.62	21.82
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 5	10M	881.5	2525		21.99	22.18
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 5	10M	881.5	2525		23.54	23.67
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 5	10M	881.5	2525		24.15	24.22
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 5	10M	881.5	2525		24.05	24.17
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4x4MIMO	23.20	23.37
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4x4MIMO	22.99	23.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4x4MIMO	23.34	23.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 7	20M	2655	3100	4x4MIMO	23.20	23.27
CA_5A-7A-7A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	22.04	22.18
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	21.72	21.82
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 5	10M	881.5	2525		22.09	22.18
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 5	10M	881.5	2525		23.57	23.67
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 5	10M	881.5	2525		24.12	24.22
	Band 7	Ant3	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 5	10M	881.5	2525		24.10	24.17
CA_5A-7C	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	22.04	22.18
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	21.67	21.82
	Band 7	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 5	10M	881.5	2525		22.07	22.18
	Band 7	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 5	10M	881.5	2525		23.63	23.67
	Band 7	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 5	10M	881.5	2525		24.16	24.22
	Band 7	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 5	10M	881.5	2525		24.03	24.17
CA_5B-30A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 30	10M	2355	9820		21.99	22.18
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 30	10M	2355	9820		21.65	21.82
	Band 30	Ant0	10M	2310	27710	QPSK	1	0		Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		24.04	24.20
	Band 30	Ant1	10M	2310	27710	QPSK	1	0		Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		23.19	23.31
	Band 30	Ant2	10M	2310	27710	QPSK	1	0		Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		23.51	23.64
	Band 30	Ant3	10M	2310	27710	QPSK	1	0		Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		22.90	22.95
CA_5B-66A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 66	20M	2155	66886	4x4MIMO	22.10	22.18
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 66	20M	2155	66886	4x4MIMO	21.76	21.82
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		23.21	23.37
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		22.99	23.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		23.35	23.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		23.10	23.27
CA_66A-66A-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 66	20M	2120	66536	4x4MIMO	23.20	23.37
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 66	20M	2120	66536	4x4MIMO	22.93	23.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 66	20M	2120	66536	4x4MIMO	23.37	23.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 66	20M	2120	66536	4x4MIMO	23.12	23.27
CA_66A-66A-71A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 71	20M	683	68786		23.24	23.37
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 71	20M	683	68786		22.98	23.12
	Band 66	Ant2	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 71	20M	683	68786		23.33	23.41
	Band 66	Ant3	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 71	20M	683	68786		23.08	23.27
	Band 71	Ant0	20M	683	133322	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.49	22.54
	Band 71	Ant1	20M	683	133322	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.03	22.13
	Band 71	Ant2	20M	683	133322	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.35	22.54
	Band 71	Ant3	20M	683	133322	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.03	22.13
CA_66A-66B	Band 66	Ant0	20M	1720	132072	QPSK	1	0	4x4MIMO	Band 66	10M	2185.1	67187	4x4MIMO	Band 66	10M	2155	67286	4x4MIMO	23.30	23.37
	Band 66	Ant1	20M	1720	132072	QPSK	1	0	4x4MIMO	Band 66	10M	2185.1	67187	4x4MIMO	Band 66	10M	2155	67286	4x4MIMO	22.96	23.12
	Band 66	Ant2	20M	1720	132072	QPSK	1	0	4x4MIMO	Band 66	10M	2185.1	67187	4x4MIMO	Band 66	10M	2155	67286	4x4MIMO	23.30	23.41
	Band 66	Ant3	20M	1720	132072	QPSK	1	0	4x4MIMO	Band 66	10M	2185.1	67187	4x4MIMO	Band 66	10M	2155	67286	4x4MIMO	23.11	23.27

UL CA power

CA_66B Ant 2								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	22.95	24.00
132322	132415	QPSK	1	74	1	0	22.81	24.00
132597	132504	QPSK	1	0	1	24	22.86	24.00

CA_66C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	22.86	24.00
132322	132520	QPSK	1	99	1	0	22.83	24.00
132572	132374	QPSK	1	0	1	99	22.85	24.00

CA_5B Ant 0								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	21.8	23.00
20476	20575	QPSK	1	49	1	0	21.99	23.00
20600	20501	QPSK	1	0	1	49	22.01	23.00

CA_66B Ant 3								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	22.92	24.00
132322	132415	QPSK	1	74	1	0	22.99	24.00
132597	132504	QPSK	1	0	1	24	22.97	24.00

CA_66C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	22.88	24.00
132322	132520	QPSK	1	99	1	0	22.97	24.00
132572	132374	QPSK	1	0	1	99	22.94	24.00

CA_5B Ant 1								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	21.53	23.00
20476	20575	QPSK	1	49	1	0	21.72	23.00
20600	20501	QPSK	1	0	1	49	21.63	23.00

CA_66B Ant 0								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	22.65	24.00
132322	132415	QPSK	1	74	1	0	22.76	24.00
132597	132504	QPSK	1	0	1	24	22.73	24.00

CA_66C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	22.60	24.00
132322	132520	QPSK	1	99	1	0	22.69	24.00
132572	132374	QPSK	1	0	1	99	22.66	24.00

CA_66B Ant 1								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	22.95	24.00
132322	132415	QPSK	1	74	1	0	23.04	24.00
132597	132504	QPSK	1	0	1	24	23.03	24.00

CA_66C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	22.81	24.00
132322	132520	QPSK	1	99	1	0	23.02	24.00
132572	132374	QPSK	1	0	1	99	23.01	24.00

CA_7C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	23.07	24.00
21100	21298	QPSK	1	99	1	0	23.19	24.00
21350	21152	QPSK	1	0	1	99	23.11	24.00

CA_7C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.78	24.00
21100	21298	QPSK	1	99	1	0	22.84	24.00
21350	21152	QPSK	1	0	1	99	22.81	24.00

CA_7C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.62	24.00
21100	21298	QPSK	1	99	1	0	22.66	24.00
21350	21152	QPSK	1	0	1	99	22.57	24.00

CA_7C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.57	24.00
21100	21298	QPSK	1	99	1	0	22.63	24.00
21350	21152	QPSK	1	0	1	99	22.59	24.00

CA_41C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.8	24.00
40185	40383	QPSK	1	99	1	0	22.78	24.00
40620	40818	QPSK	1	99	1	0	22.87	24.00
41055	41253	QPSK	1	99	1	0	22.82	24.00
41490	41292	QPSK	1	0	1	99	22.73	24.00

CA_41C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.92	24.00
40185	40383	QPSK	1	99	1	0	22.88	24.00
40620	40818	QPSK	1	99	1	0	22.97	24.00
41055	41253	QPSK	1	99	1	0	22.93	24.00
41490	41292	QPSK	1	0	1	99	22.86	24.00

CA_41C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.81	24.00
40185	40383	QPSK	1	99	1	0	22.76	24.00
40620	40818	QPSK	1	99	1	0	22.85	24.00
41055	41253	QPSK	1	99	1	0	22.8	24.00
41490	41292	QPSK	1	0	1	99	22.73	24.00

CA_41C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.57	24.00
40185	40383	QPSK	1	99	1	0	22.52	24.00
40620	40818	QPSK	1	99	1	0	22.61	24.00
41055	41253	QPSK	1	99	1	0	22.54	24.00
41490	41292	QPSK	1	0	1	99	22.51	24.00

CA_41C HPUE Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	25.78	27.00
40185	40383	QPSK	1	99	1	0	25.73	27.00
40620	40818	QPSK	1	99	1	0	25.81	27.00
41055	41253	QPSK	1	99	1	0	25.77	27.00
41490	41292	QPSK	1	0	1	99	22.74	27.00

CA_41C HPUE Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	25.99	27.00
40185	40383	QPSK	1	99	1	0	25.92	27.00
40620	40818	QPSK	1	99	1	0	26.03	27.00
41055	41253	QPSK	1	99	1	0	25.95	27.00
41490	41292	QPSK	1	0	1	99	25.91	27.00

CA_41C HPUE Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	25.86	27.00
40185	40383	QPSK	1	99	1	0	25.8	27.00
40620	40818	QPSK	1	99	1	0	25.91	27.00
41055	41253	QPSK	1	99	1	0	25.88	27.00
41490	41292	QPSK	1	0	1	99	25.82	27.00

CA_41C HPUE Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	25.88	27.00
40185	40383	QPSK	1	99	1	0	25.84	27.00
40620	40818	QPSK	1	99	1	0	25.91	27.00
41055	41253	QPSK	1	99	1	0	25.89	27.00
41490	41292	QPSK	1	0	1	99	25.82	27.00

1

CA_48C Ant 4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	22.82	24.00
55830	56028	QPSK	1	99	1	0	22.91	24.00
56150	56348	QPSK	1	99	1	0	22.84	24.00
56640	56442	QPSK	1	0	1	99	22.79	24.00

CA_48B Ant 4								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	22.8	24.00
55820	55913	QPSK	1	74	1	0	22.86	24.00
56160	56253	QPSK	1	74	1	0	22.74	24.00
56665	56572	QPSK	1	0	1	24	22.82	24.00

CA_n5B Ant 0								
Combination 10MHz+10MHz (75RB+75RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
165800	167780	QPSK	25	27	25	0	22.66	24.00
166300	168280	QPSK	25	27	25	0	22.71	24.00
166820	168800	QPSK	25	27	25	0	22.45	24.00

2

CA_48C Ant 6								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	23.1	24.00
55830	56028	QPSK	1	99	1	0	23.20	24.00
56150	56348	QPSK	1	99	1	0	23.15	24.00
56640	56442	QPSK	1	0	1	99	23.04	24.00

CA_48B Ant 6								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	23.02	24.00
55820	55913	QPSK	1	74	1	0	23.11	24.00
56160	56253	QPSK	1	74	1	0	23.07	24.00
56665	56572	QPSK	1	0	1	24	23.06	24.00

CA_n5B Ant 1								
Combination 10MHz+10MHz (75RB+75RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
165800	167780	QPSK	25	27	25	0	22.61	24.00
166300	168280	QPSK	25	27	25	0	22.66	24.00
166820	168800	QPSK	25	27	25	0	22.54	24.00

3

CA_48C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	22.87	24.00
55830	56028	QPSK	1	99	1	0	22.92	24.00
56150	56348	QPSK	1	99	1	0	22.8	24.00
56640	56442	QPSK	1	0	1	99	22.88	24.00

CA_48B Ant 3								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	22.81	24.00
55820	55913	QPSK	1	74	1	0	22.88	24.00
56160	56253	QPSK	1	74	1	0	22.74	24.00
56665	56572	QPSK	1	0	1	24	22.84	24.00

4

CA_48C Ant 8								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	23.18	24.00
55830	56028	QPSK	1	99	1	0	23.29	24.00
56150	56348	QPSK	1	99	1	0	23.24	24.00
56640	56442	QPSK	1	0	1	99	23.11	24.00

CA_48B Ant 8								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	23.05	24.00
55820	55913	QPSK	1	74	1	0	23.20	24.00
56160	56253	QPSK	1	74	1	0	23.14	24.00
56665	56572	QPSK	1	0	1	24	23.09	24.00

CA_n41C Ant 0								
Combination 100MHz+40MHz (270RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
509202	523146	QPSK	180	93	6	0	21.22	23.00
514602	528546	QPSK	180	93	6	0	21.61	23.00
520056	534000	QPSK	180	93	6	0	21.35	23.00

CA_n41C HPUE Ant 0								
Combination 100MHz+40MHz (270RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
509202	523146	QPSK	180	93	6	0	24.12	26.00
514602	528546	QPSK	180	93	6	0	24.45	26.00
520056	534000	QPSK	180	93	6	0	24.31	26.00

CA_n48B Ant 3								
Combination 20MHz+20MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
637334	638666	QPSK	25	26	25	0	11.31	12.50
641000	642332	QPSK	25	26	25	0	21.74	23.00
644668	646000	QPSK	25	26	25	0	11.42	12.50

CA_n41C Ant 1								
Combination 100MHz+40MHz (270RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
509202	523146	QPSK	180	93	6	0	21.32	23.00
514602	528546	QPSK	180	93	6	0	21.45	23.00
520056	534000	QPSK	180	93	6	0	21.28	23.00

CA_n41C HPUE Ant 1								
Combination 100MHz+40MHz (270RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
509202	523146	QPSK	180	93	6	0	24.32	26.00
514602	528546	QPSK	180	93	6	0	24.41	26.00
520056	534000	QPSK	180	93	6	0	24.38	26.00

CA_n48B Ant 4								
Combination 20MHz+20MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
637334	638666	QPSK	25	26	25	0	11.61	12.50
641000	642332	QPSK	25	26	25	0	21.74	23.00
644668	646000	QPSK	25	26	25	0	11.55	12.50

CA_n41C Ant 2								
Combination 100MHz+40MHz (270RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
509202	523146	QPSK	180	93	6	0	22.89	24.00
514602	528546	QPSK	180	93	6	0	22.97	24.00
520056	534000	QPSK	180	93	6	0	22.86	24.00

CA_n41C HPUE Ant 2								
Combination 100MHz+40MHz (270RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
509202	523146	QPSK	180	93	6	0	24.51	26.00
514602	528546	QPSK	180	93	6	0	24.73	26.00
520056	534000	QPSK	180	93	6	0	24.58	26.00

CA_n48B Ant 6								
Combination 20MHz+20MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
637334	638666	QPSK	25	26	25	0	11.22	12.50
641000	642332	QPSK	25	26	25	0	21.22	23.00
644668	646000	QPSK	25	26	25	0	11.34	12.50

CA_n41C Ant 3								
Combination 100MHz+40MHz (270RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
509202	523146	QPSK	180	93	6	0	21.21	22.00
514602	528546	QPSK	180	93	6	0	21.45	22.00
520056	534000	QPSK	180	93	6	0	21.36	22.00

CA_n41C HPUE Ant 3								
Combination 100MHz+40MHz (270RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
509202	523146	QPSK	180	93	6	0	23.81	25.00
514602	528546	QPSK	180	93	6	0	23.96	25.00
520056	534000	QPSK	180	93	6	0	23.84	25.00

CA_n48B Ant 8								
Combination 20MHz+20MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
637334	638666	QPSK	25	26	25	0	11.22	12.50
641000	642332	QPSK	25	26	25	0	21.22	23.00
644668	646000	QPSK	25	26	25	0	11.34	12.50

CA_66B Ant 2								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	12.28	13.50
132322	132415	QPSK	1	74	1	0	12.36	13.50
132597	132504	QPSK	1	0	1	24	12.32	13.50

CA_66C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	12.33	13.50
132322	132520	QPSK	1	99	1	0	12.41	13.50
132572	132374	QPSK	1	0	1	99	12.29	13.50

CA_5B Ant 0								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	21.8	23.00
20476	20575	QPSK	1	49	1	0	21.99	23.00
20600	20501	QPSK	1	0	1	49	22.01	23.00

CA_66B Ant 3								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	14.16	15.50
132322	132415	QPSK	1	74	1	0	14.21	15.50
132597	132504	QPSK	1	0	1	24	14.17	15.50

CA_66C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	14.11	15.50
132322	132520	QPSK	1	99	1	0	14.25	15.50
132572	132374	QPSK	1	0	1	99	14.19	15.50

CA_5B Ant 1								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	21.53	23.00
20476	20575	QPSK	1	49	1	0	21.72	23.00
20600	20501	QPSK	1	0	1	49	21.63	23.00

CA_66B Ant 0								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	22.60	24.00
132322	132415	QPSK	1	74	1	0	22.69	24.00
132597	132504	QPSK	1	0	1	24	22.66	24.00

CA_66C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	22.65	24.00
132322	132520	QPSK	1	99	1	0	22.76	24.00
132572	132374	QPSK	1	0	1	99	22.73	24.00

CA_66B Ant 1								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	22.81	24.00
132322	132415	QPSK	1	74	1	0	23.02	24.00
132597	132504	QPSK	1	0	1	24	23.01	24.00

CA_66C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	22.95	24.00
132322	132520	QPSK	1	99	1	0	23.04	24.00
132572	132374	QPSK	1	0	1	99	23.03	24.00

CA_7C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	14.14	15.40
21100	21298	QPSK	1	99	1	0	14.22	15.40
21350	21152	QPSK	1	0	1	99	14.2	15.40

CA_7C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	15.18	16.30
21100	21298	QPSK	1	99	1	0	15.21	16.30
21350	21152	QPSK	1	0	1	99	15.19	16.30

CA_7C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.62	24.00
21100	21298	QPSK	1	99	1	0	22.66	24.00
21350	21152	QPSK	1	0	1	99	22.57	24.00

CA_7C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.57	24.00
21100	21298	QPSK	1	99	1	0	22.63	24.00
21350	21152	QPSK	1	0	1	99	22.59	24.00

CA_41C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	14.66	15.50
40185	40383	QPSK	1	99	1	0	14.7	15.50
40620	40818	QPSK	1	99	1	0	14.72	15.50
41055	41253	QPSK	1	99	1	0	14.69	15.50
41490	41292	QPSK	1	0	1	99	14.7	15.50

CA_41C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	18.01	18.70
40185	40383	QPSK	1	99	1	0	17.97	18.70
40620	40818	QPSK	1	99	1	0	18.09	18.70
41055	41253	QPSK	1	99	1	0	17.98	18.70
41490	41292	QPSK	1	0	1	99	18.01	18.70

CA_41C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.81	24.00
40185	40383	QPSK	1	99	1	0	22.76	24.00
40620	40818	QPSK	1	99	1	0	22.85	24.00
41055	41253	QPSK	1	99	1	0	22.8	24.00
41490	41292	QPSK	1	0	1	99	22.73	24.00

CA_41C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.57	24.00
40185	40383	QPSK	1	99	1	0	22.52	24.00
40620	40818	QPSK	1	99	1	0	22.61	24.00
41055	41253	QPSK	1	99	1	0	22.54	24.00
41490	41292	QPSK	1	0	1	99	22.51	24.00

CA_41C HPUE Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	15.81	17.10
40185	40383	QPSK	1	99	1	0	15.79	17.10
40620	40818	QPSK	1	99	1	0	15.89	17.10
41055	41253	QPSK	1	99	1	0	15.76	17.10
41490	41292	QPSK	1	0	1	99	15.79	17.10

CA_41C HPUE Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	19.2	20.30
40185	40383	QPSK	1	99	1	0	19.32	20.30
40620	40818	QPSK	1	99	1	0	19.35	20.30
41055	41253	QPSK	1	99	1	0	19.2	20.30
41490	41292	QPSK	1	0	1	99	19.24	20.30

CA_41C HPUE Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	25.86	27.00
40185	40383	QPSK	1	99	1	0	25.8	27.00
40620	40818	QPSK	1	99	1	0	25.91	27.00
41055	41253	QPSK	1	99	1	0	25.88	27.00
41490	41292	QPSK	1	0	1	99	25.82	27.00

CA_41C HPUE Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	25.88	27.00
40185	40383	QPSK	1	99	1	0	25.84	27.00
40620	40818	QPSK	1	99	1	0	25.91	27.00
41055	41253	QPSK	1	99	1	0	25.89	27.00
41490	41292	QPSK	1	0	1	99	25.82	27.00

1

CA_48C Ant 4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	16.47	17.80
55830	56028	QPSK	1	99	1	0	16.54	17.80
56150	56348	QPSK	1	99	1	0	16.43	17.80
56640	56442	QPSK	1	0	1	99	16.46	17.80

CA_48B Ant 4								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	16.42	17.80
55820	55913	QPSK	1	74	1	0	16.52	17.80
56160	56253	QPSK	1	74	1	0	16.45	17.80
56665	56572	QPSK	1	0	1	24	16.39	17.80

2

CA_48C Ant 6								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	15.76	17.30
55830	56028	QPSK	1	99	1	0	15.81	17.30
56150	56348	QPSK	1	99	1	0	15.72	17.30
56640	56442	QPSK	1	0	1	99	15.76	17.30

CA_48B Ant 6								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	15.73	17.30
55820	55913	QPSK	1	74	1	0	15.75	17.30
56160	56253	QPSK	1	74	1	0	15.65	17.30
56665	56572	QPSK	1	0	1	24	15.74	17.30

3

CA_48C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	16.56	17.80
55830	56028	QPSK	1	99	1	0	16.58	17.80
56150	56348	QPSK	1	99	1	0	16.53	17.80
56640	56442	QPSK	1	0	1	99	16.44	17.80

CA_48B Ant 3								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	16.54	17.80
55820	55913	QPSK	1	74	1	0	16.57	17.80
56160	56253	QPSK	1	74	1	0	16.48	17.80
56665	56572	QPSK	1	0	1	24	16.47	17.80

4

CA_48C Ant 8								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	18.49	19.90
55830	56028	QPSK	1	99	1	0	18.57	19.90
56150	56348	QPSK	1	99	1	0	18.55	19.90
56640	56442	QPSK	1	0	1	99	18.4	19.90

CA_48B Ant 8								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	18.52	19.90
55820	55913	QPSK	1	74	1	0	18.55	19.90
56160	56253	QPSK	1	74	1	0	18.5	19.90
56665	56572	QPSK	1	0	1	24	18.41	19.90

CA_66B Ant 2								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	15.08	16.20
132322	132415	QPSK	1	74	1	0	15.14	16.20
132597	132504	QPSK	1	0	1	24	15.13	16.20

CA_66C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	15.07	16.20
132322	132520	QPSK	1	99	1	0	15.19	16.20
132572	132374	QPSK	1	0	1	99	15.14	16.20

CA_5B Ant 0								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	21.8	23.00
20476	20575	QPSK	1	49	1	0	21.99	23.00
20600	20501	QPSK	1	0	1	49	22.01	23.00

CA_66B Ant 3								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	19.06	20.30
132322	132415	QPSK	1	74	1	0	19.09	20.30
132597	132504	QPSK	1	0	1	24	19.00	20.30

CA_66C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	19.09	20.30
132322	132520	QPSK	1	99	1	0	19.14	20.30
132572	132374	QPSK	1	0	1	99	19.09	20.30

CA_5B Ant 1								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	21.53	23.00
20476	20575	QPSK	1	49	1	0	21.72	23.00
20600	20501	QPSK	1	0	1	49	21.63	23.00

CA_66B Ant 0								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	20.60	22.00
132322	132415	QPSK	1	74	1	0	20.62	22.00
132597	132504	QPSK	1	0	1	24	20.52	22.00

CA_66C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	20.58	22.00
132322	132520	QPSK	1	99	1	0	20.64	22.00
132572	132374	QPSK	1	0	1	99	20.57	22.00

CA_66B Ant 1								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	19.82	21.10
132322	132415	QPSK	1	74	1	0	19.90	21.10
132597	132504	QPSK	1	0	1	24	19.81	21.10

CA_66C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	19.85	21.10
132322	132520	QPSK	1	99	1	0	19.91	21.10
132572	132374	QPSK	1	0	1	99	19.80	21.10

CA_7C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	16.65	18.00
21100	21298	QPSK	1	99	1	0	16.78	18.00
21350	21152	QPSK	1	0	1	99	16.75	18.00

CA_7C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	18.19	19.60
21100	21298	QPSK	1	99	1	0	18.35	19.60
21350	21152	QPSK	1	0	1	99	18.22	19.60

CA_7C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	20.88	22.20
21100	21298	QPSK	1	99	1	0	20.96	22.20
21350	21152	QPSK	1	0	1	99	20.83	22.20

CA_7C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	20.64	22.00
21100	21298	QPSK	1	99	1	0	20.78	22.00
21350	21152	QPSK	1	0	1	99	20.68	22.00

CA_41C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	18.08	18.90
40185	40383	QPSK	1	99	1	0	18.01	18.90
40620	40818	QPSK	1	99	1	0	18.09	18.90
41055	41253	QPSK	1	99	1	0	18.07	18.90
41490	41292	QPSK	1	0	1	99	17.97	18.90

CA_41C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	20.57	21.40
40185	40383	QPSK	1	99	1	0	20.54	21.40
40620	40818	QPSK	1	99	1	0	20.65	21.40
41055	41253	QPSK	1	99	1	0	20.57	21.40
41490	41292	QPSK	1	0	1	99	20.49	21.40

CA_41C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.21	23.20
40185	40383	QPSK	1	99	1	0	22.22	23.20
40620	40818	QPSK	1	99	1	0	22.29	23.20
41055	41253	QPSK	1	99	1	0	22.18	23.20
41490	41292	QPSK	1	0	1	99	22.1	23.20

CA_41C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	21.14	22.10
40185	40383	QPSK	1	99	1	0	21.24	22.10
40620	40818	QPSK	1	99	1	0	21.3	22.10
41055	41253	QPSK	1	99	1	0	21.23	22.10
41490	41292	QPSK	1	0	1	99	21.19	22.10

CA_41C HPUE Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	19.24	20.50
40185	40383	QPSK	1	99	1	0	19.26	20.50
40620	40818	QPSK	1	99	1	0	19.35	20.50
41055	41253	QPSK	1	99	1	0	19.31	20.50
41490	41292	QPSK	1	0	1	99	19.19	20.50

CA_41C HPUE Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	21.76	23.00
40185	40383	QPSK	1	99	1	0	21.83	23.00
40620	40818	QPSK	1	99	1	0	21.84	23.00
41055	41253	QPSK	1	99	1	0	21.81	23.00
41490	41292	QPSK	1	0	1	99	21.74	23.00

CA_41C HPUE Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	23.43	24.80
40185	40383	QPSK	1	99	1	0	23.42	24.80
40620	40818	QPSK	1	99	1	0	23.53	24.80
41055	41253	QPSK	1	99	1	0	23.51	24.80
41490	41292	QPSK	1	0	1	99	23.45	24.80

CA_41C HPUE Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.46	23.70
40185	40383	QPSK	1	99	1	0	22.43	23.70
40620	40818	QPSK	1	99	1	0	22.59	23.70
41055	41253	QPSK	1	99	1	0	22.53	23.70
41490	41292	QPSK	1	0	1	99	22.53	23.70

1

CA_48C Ant 4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	17.96	19.30
55830	56028	QPSK	1	99	1	0	17.99	19.30
56150	56348	QPSK	1	99	1	0	17.91	19.30
56640	56442	QPSK	1	0	1	99	17.93	19.30

CA_48B Ant 4								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	17.94	19.30
55820	55913	QPSK	1	74	1	0	17.96	19.30
56160	56253	QPSK	1	74	1	0	17.88	19.30
56665	56572	QPSK	1	0	1	24	17.93	19.30

CA_n48B Ant 6								
Combination 20MHz+20MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
637334	638666	QPSK	25	26	25	0	11.22	12.50
641000	642332	QPSK	25	26	25	0	19.56	20.70
644668	646000	QPSK	25	26	25	0	11.34	12.50

2

CA_48C Ant 6								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	16.35	17.70
55830	56028	QPSK	1	99	1	0	16.49	17.70
56150	56348	QPSK	1	99	1	0	16.39	17.70
56640	56442	QPSK	1	0	1	99	16.41	17.70

CA_48B Ant 6								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	16.41	17.70
55820	55913	QPSK	1	74	1	0	16.48	17.70
56160	56253	QPSK	1	74	1	0	16.37	17.70
56665	56572	QPSK	1	0	1	24	16.37	17.70

CA_n41C HPUE Ant 1								
Combination 100MHz+40MHz (270RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
509202	523146	QPSK	180	93	6	0	18.54	20.30
514602	528546	QPSK	180	93	6	0	18.57	20.30
520056	534000	QPSK	180	93	6	0	18.45	20.30

3

CA_48C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	20.54	21.90
55830	56028	QPSK	1	99	1	0	20.58	21.90
56150	56348	QPSK	1	99	1	0	20.57	21.90
56640	56442	QPSK	1	0	1	99	20.53	21.90

CA_48B Ant 3								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	20.52	21.90
55820	55913	QPSK	1	74	1	0	20.57	21.90
56160	56253	QPSK	1	74	1	0	20.49	21.90
56665	56572	QPSK	1	0	1	24	20.54	21.90

4

CA_48C Ant 8								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	18.92	20.30
55830	56028	QPSK	1	99	1	0	19.11	20.30
56150	56348	QPSK	1	99	1	0	19.05	20.30
56640	56442	QPSK	1	0	1	99	18.99	20.30

CA_48B Ant 8								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	18.91	20.30
55820	55913	QPSK	1	74	1	0	19.09	20.30
56160	56253	QPSK	1	74	1	0	19.04	20.30
56665	56572	QPSK	1	0	1	24	18.96	20.30

CA_66B Ant 2								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	18.58	19.70
132322	132415	QPSK	1	74	1	0	18.63	19.70
132597	132504	QPSK	1	0	1	24	18.57	19.70

CA_66C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	18.55	19.70
132322	132520	QPSK	1	99	1	0	18.67	19.70
132572	132374	QPSK	1	0	1	99	18.56	19.70

CA_5B Ant 0								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	21.8	23.00
20476	20575	QPSK	1	49	1	0	21.99	23.00
20600	20501	QPSK	1	0	1	49	22.01	23.00

CA_66B Ant 3								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	19.14	20.60
132322	132415	QPSK	1	74	1	0	19.18	20.60
132597	132504	QPSK	1	0	1	24	19.17	20.60

CA_66C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	19.14	20.60
132322	132520	QPSK	1	99	1	0	19.23	20.60
132572	132374	QPSK	1	0	1	99	19.16	20.60

CA_5B Ant 1								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	21.53	23.00
20476	20575	QPSK	1	49	1	0	21.72	23.00
20600	20501	QPSK	1	0	1	49	21.63	23.00

CA_66B Ant 0								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	22.47	23.90
132322	132415	QPSK	1	74	1	0	22.56	23.90
132597	132504	QPSK	1	0	1	24	22.50	23.90

CA_66C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	22.53	23.90
132322	132520	QPSK	1	99	1	0	22.60	23.90
132572	132374	QPSK	1	0	1	99	22.49	23.90

CA_66B Ant 1								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	21.78	23.00
132322	132415	QPSK	1	74	1	0	21.82	23.00
132597	132504	QPSK	1	0	1	24	21.78	23.00

CA_66C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	21.80	23.00
132322	132520	QPSK	1	99	1	0	21.87	23.00
132572	132374	QPSK	1	0	1	99	21.85	23.00

CA_7C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	19.95	21.20
21100	21298	QPSK	1	99	1	0	20.01	21.20
21350	21152	QPSK	1	0	1	99	19.87	21.20

CA_7C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	18.42	19.90
21100	21298	QPSK	1	99	1	0	18.5	19.90
21350	21152	QPSK	1	0	1	99	18.46	19.90

CA_7C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.19	23.70
21100	21298	QPSK	1	99	1	0	22.25	23.70
21350	21152	QPSK	1	0	1	99	22.18	23.70

CA_7C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.56	23.80
21100	21298	QPSK	1	99	1	0	22.64	23.80
21350	21152	QPSK	1	0	1	99	22.63	23.80

CA_41C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	21.44	23.00
40185	40383	QPSK	1	99	1	0	21.51	23.00
40620	40818	QPSK	1	99	1	0	21.52	23.00
41055	41253	QPSK	1	99	1	0	21.44	23.00
41490	41292	QPSK	1	0	1	99	21.45	23.00

CA_41C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	20.44	22.20
40185	40383	QPSK	1	99	1	0	20.46	22.20
40620	40818	QPSK	1	99	1	0	20.51	22.20
41055	41253	QPSK	1	99	1	0	20.47	22.20
41490	41292	QPSK	1	0	1	99	20.48	22.20

CA_41C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.81	24.00
40185	40383	QPSK	1	99	1	0	22.76	24.00
40620	40818	QPSK	1	99	1	0	22.85	24.00
41055	41253	QPSK	1	99	1	0	22.8	24.00
41490	41292	QPSK	1	0	1	99	22.73	24.00

CA_41C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.57	24.00
40185	40383	QPSK	1	99	1	0	22.52	24.00
40620	40818	QPSK	1	99	1	0	22.61	24.00
41055	41253	QPSK	1	99	1	0	22.54	24.00
41490	41292	QPSK	1	0	1	99	22.51	24.00

CA_41C HPUE Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	23.78	24.60
40185	40383	QPSK	1	99	1	0	23.75	24.60
40620	40818	QPSK	1	99	1	0	23.9	24.60
41055	41253	QPSK	1	99	1	0	23.76	24.60
41490	41292	QPSK	1	0	1	99	23.74	24.60

CA_41C HPUE Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.79	23.80
40185	40383	QPSK	1	99	1	0	22.76	23.80
40620	40818	QPSK	1	99	1	0	22.81	23.80
41055	41253	QPSK	1	99	1	0	22.73	23.80
41490	41292	QPSK	1	0	1	99	22.78	23.80

CA_41C HPUE Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	25.86	27.00
40185	40383	QPSK	1	99	1	0	25.8	27.00
40620	40818	QPSK	1	99	1	0	25.91	27.00
41055	41253	QPSK	1	99	1	0	25.88	27.00
41490	41292	QPSK	1	0	1	99	25.82	27.00

CA_41C HPUE Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	25.88	27.00
40185	40383	QPSK	1	99	1	0	25.84	27.00
40620	40818	QPSK	1	99	1	0	25.91	27.00
41055	41253	QPSK	1	99	1	0	25.89	27.00
41490	41292	QPSK	1	0	1	99	25.82	27.00

1

CA_48C Ant 4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	17.44	18.80
55830	56028	QPSK	1	99	1	0	17.52	18.80
56150	56348	QPSK	1	99	1	0	17.42	18.80
56640	56442	QPSK	1	0	1	99	17.46	18.80

CA_48B Ant 4								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	17.43	18.80
55820	55913	QPSK	1	74	1	0	17.49	18.80
56160	56253	QPSK	1	74	1	0	17.4	18.80
56665	56572	QPSK	1	0	1	24	17.4	18.80

CA_n41C HPUE Ant 1								
Combination 100MHz+40MHz (270RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
509202	523146	QPSK	180	93	6	0	22.67	24.00
514602	528546	QPSK	180	93	6	0	22.76	24.00
520056	534000	QPSK	180	93	6	0	22.69	24.00

2

CA_48C Ant 6								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	21.11	22.50
55830	56028	QPSK	1	99	1	0	21.24	22.50
56150	56348	QPSK	1	99	1	0	21.19	22.50
56640	56442	QPSK	1	0	1	99	21.2	22.50

CA_48B Ant 6								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	21.15	22.50
55820	55913	QPSK	1	74	1	0	21.21	22.50
56160	56253	QPSK	1	74	1	0	21.07	22.50
56665	56572	QPSK	1	0	1	24	21.21	22.50

CA_n48B Ant 3								
Combination 20MHz+20MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
637334	638666	QPSK	25	26	25	0	11.31	12.50
641000	642332	QPSK	25	26	25	0	18.73	20.30
644668	646000	QPSK	25	26	25	0	11.42	12.50

3

CA_48C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	22.55	23.70
55830	56028	QPSK	1	99	1	0	22.60	23.70
56150	56348	QPSK	1	99	1	0	22.55	23.70
56640	56442	QPSK	1	0	1	99	22.51	23.70

CA_48B Ant 3								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	22.54	23.70
55820	55913	QPSK	1	74	1	0	22.57	23.70
56160	56253	QPSK	1	74	1	0	22.44	23.70
56665	56572	QPSK	1	0	1	24	22.46	23.70

4

CA_48C Ant 8								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	21.86	23.40
55830	56028	QPSK	1	99	1	0	21.97	23.40
56150	56348	QPSK	1	99	1	0	21.88	23.40
56640	56442	QPSK	1	0	1	99	21.95	23.40

CA_48B Ant 8								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	21.82	23.40
55820	55913	QPSK	1	74	1	0	21.94	23.40
56160	56253	QPSK	1	74	1	0	21.82	23.40
56665	56572	QPSK	1	0	1	24	21.92	23.40

CA_66B Ant 2								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	9.90	11.30
132322	132415	QPSK	1	74	1	0	9.94	11.30
132597	132504	QPSK	1	0	1	24	9.89	11.30

CA_66C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	9.94	11.30
132322	132520	QPSK	1	99	1	0	10.00	11.30
132572	132374	QPSK	1	0	1	99	9.88	11.30

CA_5B Ant 0								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	21.8	23.00
20476	20575	QPSK	1	49	1	0	21.99	23.00
20600	20501	QPSK	1	0	1	49	22.01	23.00

CA_66B Ant 3								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	17.06	18.30
132322	132415	QPSK	1	74	1	0	17.13	18.30
132597	132504	QPSK	1	0	1	24	17.04	18.30

CA_66C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	17.04	18.30
132322	132520	QPSK	1	99	1	0	17.19	18.30
132572	132374	QPSK	1	0	1	99	17.12	18.30

CA_5B Ant 1								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	21.53	23.00
20476	20575	QPSK	1	49	1	0	21.72	23.00
20600	20501	QPSK	1	0	1	49	21.63	23.00

CA_66B Ant 0								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	21.07	22.50
132322	132415	QPSK	1	74	1	0	21.12	22.50
132597	132504	QPSK	1	0	1	24	21.08	22.50

CA_66C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	21.12	22.50
132322	132520	QPSK	1	99	1	0	21.13	22.50
132572	132374	QPSK	1	0	1	99	21.12	22.50

CA_66B Ant 1								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	18.49	19.80
132322	132415	QPSK	1	74	1	0	18.50	19.80
132597	132504	QPSK	1	0	1	24	18.48	19.80

CA_66C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	18.50	19.80
132322	132520	QPSK	1	99	1	0	18.54	19.80
132572	132374	QPSK	1	0	1	99	18.42	19.80

CA_7C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	13.59	15.00
21100	21298	QPSK	1	99	1	0	13.6	15.00
21350	21152	QPSK	1	0	1	99	13.54	15.00

CA_7C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	13.69	15.20
21100	21298	QPSK	1	99	1	0	13.76	15.20
21350	21152	QPSK	1	0	1	99	13.62	15.20

CA_7C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	20.28	21.80
21100	21298	QPSK	1	99	1	0	20.34	21.80
21350	21152	QPSK	1	0	1	99	20.28	21.80

CA_7C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	20.12	21.50
21100	21298	QPSK	1	99	1	0	20.18	21.50
21350	21152	QPSK	1	0	1	99	20.11	21.50

CA_41C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	16.47	17.30
40185	40383	QPSK	1	99	1	0	16.49	17.30
40620	40818	QPSK	1	99	1	0	16.5	17.30
41055	41253	QPSK	1	99	1	0	16.48	17.30
41490	41292	QPSK	1	0	1	99	16.49	17.30

CA_41C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	15.95	16.90
40185	40383	QPSK	1	99	1	0	15.98	16.90
40620	40818	QPSK	1	99	1	0	16.08	16.90
41055	41253	QPSK	1	99	1	0	15.98	16.90
41490	41292	QPSK	1	0	1	99	15.95	16.90

CA_41C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	21.63	22.60
40185	40383	QPSK	1	99	1	0	21.69	22.60
40620	40818	QPSK	1	99	1	0	21.76	22.60
41055	41253	QPSK	1	99	1	0	21.68	22.60
41490	41292	QPSK	1	0	1	99	21.61	22.60

CA_41C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	19.6	20.90
40185	40383	QPSK	1	99	1	0	19.62	20.90
40620	40818	QPSK	1	99	1	0	19.69	20.90
41055	41253	QPSK	1	99	1	0	19.57	20.90
41490	41292	QPSK	1	0	1	99	19.64	20.90

CA_41C HPUE Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	17.68	18.90
40185	40383	QPSK	1	99	1	0	17.64	18.90
40620	40818	QPSK	1	99	1	0	17.81	18.90
41055	41253	QPSK	1	99	1	0	17.75	18.90
41490	41292	QPSK	1	0	1	99	17.78	18.90

CA_41C HPUE Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	17.11	18.50
40185	40383	QPSK	1	99	1	0	17.19	18.50
40620	40818	QPSK	1	99	1	0	17.24	18.50
41055	41253	QPSK	1	99	1	0	17.17	18.50
41490	41292	QPSK	1	0	1	99	17.21	18.50

CA_41C HPUE Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.91	24.20
40185	40383	QPSK	1	99	1	0	22.84	24.20
40620	40818	QPSK	1	99	1	0	23.01	24.20
41055	41253	QPSK	1	99	1	0	22.91	24.20
41490	41292	QPSK	1	0	1	99	22.93	24.20

CA_41C HPUE Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	20.98	22.50
40185	40383	QPSK	1	99	1	0	20.9	22.50
40620	40818	QPSK	1	99	1	0	21.01	22.50
41055	41253	QPSK	1	99	1	0	20.91	22.50
41490	41292	QPSK	1	0	1	99	20.95	22.50

1

CA_48C Ant 4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	12.32	13.70
55830	56028	QPSK	1	99	1	0	12.40	13.70
56150	56348	QPSK	1	99	1	0	12.35	13.70
56640	56442	QPSK	1	0	1	99	12.38	13.70

CA_48B Ant 4								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	12.32	13.70
55820	55913	QPSK	1	74	1	0	12.38	13.70
56160	56253	QPSK	1	74	1	0	12.36	13.70
56665	56572	QPSK	1	0	1	24	12.36	13.70

CA_n5B Ant 0								
Combination 10MHz+10MHz (75RB+75RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
165800	167780	QPSK	25	27	25	0	22.66	24.00
166300	168280	QPSK	25	27	25	0	22.71	24.00
166820	168800	QPSK	25	27	25	0	22.45	24.00

2

CA_48C Ant 6								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	12.41	13.70
55830	56028	QPSK	1	99	1	0	12.47	13.70
56150	56348	QPSK	1	99	1	0	12.38	13.70
56640	56442	QPSK	1	0	1	99	12.33	13.70

CA_48B Ant 6								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	12.4	13.70
55820	55913	QPSK	1	74	1	0	12.45	13.70
56160	56253	QPSK	1	74	1	0	12.34	13.70
56665	56572	QPSK	1	0	1	24	12.35	13.70

CA_n41C HPUE Ant 1								
Combination 100MHz+40MHz (270RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
509202	523146	QPSK	180	93	6	0	18.54	20.30
514602	528546	QPSK	180	93	6	0	18.57	20.30
520056	534000	QPSK	180	93	6	0	18.45	20.30

3

CA_48C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	15.11	16.40
55830	56028	QPSK	1	99	1	0	15.16	16.40
56150	56348	QPSK	1	99	1	0	15	16.40
56640	56442	QPSK	1	0	1	99	15.12	16.40

CA_48B Ant 3								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	15.1	16.40
55820	55913	QPSK	1	74	1	0	15.15	16.40
56160	56253	QPSK	1	74	1	0	15.09	16.40
56665	56572	QPSK	1	0	1	24	15.05	16.40

4

CA_48C Ant 8								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	15.47	16.70
55830	56028	QPSK	1	99	1	0	15.57	16.70
56150	56348	QPSK	1	99	1	0	15.44	16.70
56640	56442	QPSK	1	0	1	99	15.4	16.70

CA_48B Ant 8								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	15.47	16.70
55820	55913	QPSK	1	74	1	0	15.54	16.70
56160	56253	QPSK	1	74	1	0	15.43	16.70
56665	56572	QPSK	1	0	1	24	15.5	16.70

CA_66B Ant 2								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	17.99	19.20
132322	132415	QPSK	1	74	1	0	18.01	19.20
132597	132504	QPSK	1	0	1	24	17.98	19.20

CA_66C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	18.05	19.20
132322	132520	QPSK	1	99	1	0	18.07	19.20
132572	132374	QPSK	1	0	1	99	17.98	19.20

CA_5B Ant 0								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	21.11	22.30
20476	20575	QPSK	1	49	1	0	21.34	22.30
20600	20501	QPSK	1	0	1	49	21.17	22.30

CA_66B Ant 3								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	22.88	24.00
132322	132415	QPSK	1	74	1	0	22.97	24.00
132597	132504	QPSK	1	0	1	24	22.94	24.00

CA_66C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	22.92	24.00
132322	132520	QPSK	1	99	1	0	22.99	24.00
132572	132374	QPSK	1	0	1	99	22.97	24.00

CA_5B Ant 1								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	21.53	23.00
20476	20575	QPSK	1	49	1	0	21.72	23.00
20600	20501	QPSK	1	0	1	49	21.63	23.00

CA_66B Ant 0								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	19.57	21.30
132322	132415	QPSK	1	74	1	0	19.63	21.30
132597	132504	QPSK	1	0	1	24	19.53	21.30

CA_66C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	19.56	21.30
132322	132520	QPSK	1	99	1	0	19.71	21.30
132572	132374	QPSK	1	0	1	99	19.55	21.30

CA_66B Ant 1								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	18.51	19.90
132322	132415	QPSK	1	74	1	0	18.59	19.90
132597	132504	QPSK	1	0	1	24	18.50	19.90

CA_66C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	18.47	19.90
132322	132520	QPSK	1	99	1	0	18.61	19.90
132572	132374	QPSK	1	0	1	99	18.56	19.90

CA_7C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	18.14	19.50
21100	21298	QPSK	1	99	1	0	18.15	19.50
21350	21152	QPSK	1	0	1	99	18.13	19.50

CA_7C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	19.58	21.10
21100	21298	QPSK	1	99	1	0	19.7	21.10
21350	21152	QPSK	1	0	1	99	19.65	21.10

CA_7C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	19.83	21.20
21100	21298	QPSK	1	99	1	0	20.18	21.20
21350	21152	QPSK	1	0	1	99	20.15	21.20

CA_7C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	19.49	21.00
21100	21298	QPSK	1	99	1	0	19.56	21.00
21350	21152	QPSK	1	0	1	99	19.39	21.00

CA_41C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	19.45	20.80
40185	40383	QPSK	1	99	1	0	19.48	20.80
40620	40818	QPSK	1	99	1	0	19.58	20.80
41055	41253	QPSK	1	99	1	0	19.56	20.80
41490	41292	QPSK	1	0	1	99	19.49	20.80

CA_41C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	21.84	22.90
40185	40383	QPSK	1	99	1	0	21.88	22.90
40620	40818	QPSK	1	99	1	0	21.91	22.90
41055	41253	QPSK	1	99	1	0	21.86	22.90
41490	41292	QPSK	1	0	1	99	21.88	22.90

CA_41C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.88	23.90
40185	40383	QPSK	1	99	1	0	22.84	23.90
40620	40818	QPSK	1	99	1	0	22.92	23.90
41055	41253	QPSK	1	99	1	0	22.74	23.90
41490	41292	QPSK	1	0	1	99	22.75	23.90

CA_41C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.19	23.60
40185	40383	QPSK	1	99	1	0	22.21	23.60
40620	40818	QPSK	1	99	1	0	22.31	23.60
41055	41253	QPSK	1	99	1	0	22.15	23.60
41490	41292	QPSK	1	0	1	99	22.2	23.60

CA_41C HPUE Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	20.77	22.40
40185	40383	QPSK	1	99	1	0	20.8	22.40
40620	40818	QPSK	1	99	1	0	20.82	22.40
41055	41253	QPSK	1	99	1	0	20.8	22.40
41490	41292	QPSK	1	0	1	99	20.68	22.40

CA_41C HPUE Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	23.13	24.50
40185	40383	QPSK	1	99	1	0	23.13	24.50
40620	40818	QPSK	1	99	1	0	23.22	24.50
41055	41253	QPSK	1	99	1	0	23.18	24.50
41490	41292	QPSK	1	0	1	99	23.12	24.50

CA_41C HPUE Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	23.99	25.50
40185	40383	QPSK	1	99	1	0	23.93	25.50
40620	40818	QPSK	1	99	1	0	24.15	25.50
41055	41253	QPSK	1	99	1	0	23.9	25.50
41490	41292	QPSK	1	0	1	99	24.07	25.50

CA_41C HPUE Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	23.67	25.20
40185	40383	QPSK	1	99	1	0	23.67	25.20
40620	40818	QPSK	1	99	1	0	23.75	25.20
41055	41253	QPSK	1	99	1	0	23.7	25.20
41490	41292	QPSK	1	0	1	99	23.6	25.20

1

CA_48C Ant 4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	19.53	20.80
55830	56028	QPSK	1	99	1	0	19.60	20.80
56150	56348	QPSK	1	99	1	0	19.56	20.80
56640	56442	QPSK	1	0	1	99	19.55	20.80

CA_48B Ant 4								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	19.48	20.80
55820	55913	QPSK	1	74	1	0	19.53	20.80
56160	56253	QPSK	1	74	1	0	19.51	20.80
56665	56572	QPSK	1	0	1	24	19.48	20.80

2

CA_48C Ant 6								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	19.13	20.50
55830	56028	QPSK	1	99	1	0	19.20	20.50
56150	56348	QPSK	1	99	1	0	19.06	20.50
56640	56442	QPSK	1	0	1	99	19.16	20.50

CA_48B Ant 6								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	19.17	20.50
55820	55913	QPSK	1	74	1	0	19.18	20.50
56160	56253	QPSK	1	74	1	0	19.06	20.50
56665	56572	QPSK	1	0	1	24	19.14	20.50

3

CA_48C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	22.87	24.00
55830	56028	QPSK	1	99	1	0	22.92	24.00
56150	56348	QPSK	1	99	1	0	22.8	24.00
56640	56442	QPSK	1	0	1	99	22.88	24.00

CA_48B Ant 3								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	22.81	24.00
55820	55913	QPSK	1	74	1	0	22.88	24.00
56160	56253	QPSK	1	74	1	0	22.74	24.00
56665	56572	QPSK	1	0	1	24	22.84	24.00

4

CA_48C Ant 8								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	21.82	23.60
55830	56028	QPSK	1	99	1	0	21.91	23.60
56150	56348	QPSK	1	99	1	0	21.8	23.60
56640	56442	QPSK	1	0	1	99	21.82	23.60

CA_48B Ant 8								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	21.83	23.60
55820	55913	QPSK	1	74	1	0	21.85	23.60
56160	56253	QPSK	1	74	1	0	21.75	23.60
56665	56572	QPSK	1	0	1	24	21.81	23.60

CA_66B Ant 2								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	12.50	13.80
132322	132415	QPSK	1	74	1	0	12.53	13.80
132597	132504	QPSK	1	0	1	24	12.43	13.80

CA_66C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	12.46	13.80
132322	132520	QPSK	1	99	1	0	12.55	13.80
132572	132374	QPSK	1	0	1	99	12.48	13.80

CA_5B Ant 0								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	19.64	21.30
20476	20575	QPSK	1	49	1	0	19.77	21.30
20600	20501	QPSK	1	0	1	49	19.64	21.30

CA_66B Ant 3								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	19.66	21.20
132322	132415	QPSK	1	74	1	0	19.67	21.20
132597	132504	QPSK	1	0	1	24	19.64	21.20

CA_66C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	19.59	21.20
132322	132520	QPSK	1	99	1	0	19.70	21.20
132572	132374	QPSK	1	0	1	99	19.67	21.20

CA_5B Ant 1								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	21.53	23.00
20476	20575	QPSK	1	49	1	0	21.72	23.00
20600	20501	QPSK	1	0	1	49	21.63	23.00

CA_66B Ant 0								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	16.09	17.30
132322	132415	QPSK	1	74	1	0	16.18	17.30
132597	132504	QPSK	1	0	1	24	16.09	17.30

CA_66C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	16.03	17.30
132322	132520	QPSK	1	99	1	0	16.21	17.30
132572	132374	QPSK	1	0	1	99	16.18	17.30

CA_66B Ant 1								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	16.42	17.80
132322	132415	QPSK	1	74	1	0	16.47	17.80
132597	132504	QPSK	1	0	1	24	16.40	17.80

CA_66C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	16.48	17.80
132322	132520	QPSK	1	99	1	0	16.51	17.80
132572	132374	QPSK	1	0	1	99	16.39	17.80

CA_7C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	13.02	14.20
21100	21298	QPSK	1	99	1	0	13.06	14.20
21350	21152	QPSK	1	0	1	99	13	14.20

CA_7C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	15.69	16.80
21100	21298	QPSK	1	99	1	0	15.71	16.80
21350	21152	QPSK	1	0	1	99	15.68	16.80

CA_7C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	19.21	20.60
21100	21298	QPSK	1	99	1	0	19.28	20.60
21350	21152	QPSK	1	0	1	99	19.24	20.60

CA_7C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	17.64	18.70
21100	21298	QPSK	1	99	1	0	17.74	18.70
21350	21152	QPSK	1	0	1	99	17.65	18.70

CA_41C Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	15.02	16.20
40185	40383	QPSK	1	99	1	0	15.05	16.20
40620	40818	QPSK	1	99	1	0	15.07	16.20
41055	41253	QPSK	1	99	1	0	14.95	16.20
41490	41292	QPSK	1	0	1	99	15.06	16.20

CA_41C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	17.45	18.80
40185	40383	QPSK	1	99	1	0	17.41	18.80
40620	40818	QPSK	1	99	1	0	17.52	18.80
41055	41253	QPSK	1	99	1	0	17.43	18.80
41490	41292	QPSK	1	0	1	99	17.51	18.80

CA_41C Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.24	22.80
40185	40383	QPSK	1	99	1	0	22.06	22.80
40620	40818	QPSK	1	99	1	0	22.26	22.80
41055	41253	QPSK	1	99	1	0	22.09	22.80
41490	41292	QPSK	1	0	1	99	22.16	22.80

CA_41C Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	18.78	20.40
40185	40383	QPSK	1	99	1	0	18.77	20.40
40620	40818	QPSK	1	99	1	0	18.86	20.40
41055	41253	QPSK	1	99	1	0	18.82	20.40
41490	41292	QPSK	1	0	1	99	18.73	20.40

CA_41C HPUE Ant 2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	16.24	17.80
40185	40383	QPSK	1	99	1	0	16.27	17.80
40620	40818	QPSK	1	99	1	0	16.29	17.80
41055	41253	QPSK	1	99	1	0	16.25	17.80
41490	41292	QPSK	1	0	1	99	16.16	17.80

CA_41C HPUE Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	18.62	20.40
40185	40383	QPSK	1	99	1	0	18.78	20.40
40620	40818	QPSK	1	99	1	0	18.79	20.40
41055	41253	QPSK	1	99	1	0	18.66	20.40
41490	41292	QPSK	1	0	1	99	18.65	20.40

CA_41C HPUE Ant 0								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	23.41	24.40
40185	40383	QPSK	1	99	1	0	23.36	24.40
40620	40818	QPSK	1	99	1	0	23.5	24.40
41055	41253	QPSK	1	99	1	0	23.39	24.40
41490	41292	QPSK	1	0	1	99	23.38	24.40

CA_41C HPUE Ant 1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	19.96	22.00
40185	40383	QPSK	1	99	1	0	19.95	22.00
40620	40818	QPSK	1	99	1	0	20.06	22.00
41055	41253	QPSK	1	99	1	0	19.96	22.00
41490	41292	QPSK	1	0	1	99	20.01	22.00

CA_48C Ant 4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	11.47	12.80
55830	56028	QPSK	1	99	1	0	11.60	12.80
56150	56348	QPSK	1	99	1	0	11.49	12.80
56640	56442	QPSK	1	0	1	99	11.51	12.80

CA_48B Ant 4								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	11.5	12.80
55820	55913	QPSK	1	74	1	0	11.58	12.80
56160	56253	QPSK	1	74	1	0	11.43	12.80
56665	56572	QPSK	1	0	1	24	11.5	12.80

CA_48C Ant 6								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	17.38	18.80
55830	56028	QPSK	1	99	1	0	17.50	18.80
56150	56348	QPSK	1	99	1	0	17.33	18.80
56640	56442	QPSK	1	0	1	99	17.37	18.80

CA_48B Ant 6								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	17.41	18.80
55820	55913	QPSK	1	74	1	0	17.44	18.80
56160	56253	QPSK	1	74	1	0	17.32	18.80
56665	56572	QPSK	1	0	1	24	17.4	18.80

CA_48C Ant 3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	16.25	17.90
55830	56028	QPSK	1	99	1	0	16.43	17.90
56150	56348	QPSK	1	99	1	0	16.35	17.90
56640	56442	QPSK	1	0	1	99	16.32	17.90

CA_48B Ant 3								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	16.36	17.90
55820	55913	QPSK	1	74	1	0	16.42	17.90
56160	56253	QPSK	1	74	1	0	16.35	17.90
56665	56572	QPSK	1	0	1	24	16.39	17.90

CA_48C Ant 8								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55340	55538	QPSK	1	99	1	0	20.07	21.40
55830	56028	QPSK	1	99	1	0	20.16	21.40
56150	56348	QPSK	1	99	1	0	20.09	21.40
56640	56442	QPSK	1	0	1	99	20.13	21.40

CA_48B Ant 8								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
55315	55408	QPSK	1	74	1	0	20.09	21.40
55820	55913	QPSK	1	74	1	0	20.15	21.40
56160	56253	QPSK	1	74	1	0	20.09	21.40
56665	56572	QPSK	1	0	1	24	20.1	21.40

Full&Default& ECI4 Power Mode

n2 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PI/2 BPSK	1	1	22.96	23.02	22.90	24.0	0.0
40	PI/2 BPSK	1	108	22.80	22.94	22.86		
40	PI/2 BPSK	1	214	22.87	22.91	22.78		
40	PI/2 BPSK	108	0	22.32	22.45	22.34	23.5	0.5
40	PI/2 BPSK	108	54	22.89	22.96	22.85	24.0	0.0
40	PI/2 BPSK	108	108	22.25	22.33	22.27	23.5	0.5
40	PI/2 BPSK	216	0	22.36	22.40	22.33		
40	QPSK	1	1	23.01	23.07	22.94	24.0	0.0
40	QPSK	1	108	22.88	23.01	22.90		
40	QPSK	1	214	22.86	22.96	22.93		
40	QPSK	108	0	21.84	21.88	21.81	23.0	1.0
40	QPSK	108	54	22.91	23.01	22.87	24.0	0.0
40	QPSK	108	108	21.82	21.87	21.79	23.0	1.0
40	QPSK	216	0	21.89	21.92	21.82		
40	16QAM	1	1	21.53	21.67	21.54	23.0	1.0
40	64QAM	1	1	20.21	20.30	20.23	21.5	2.5
40	256QAM	1	1	18.80	18.83	18.74	19.5	4.5
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	22.89	22.97	22.82	0.0	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	22.95	22.98	22.84	0.0	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	22.88	22.96	22.80	0.0	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	22.87	22.93	22.82	0.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	22.97	22.95	22.82	24.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	22.92	22.98	22.81	24.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	22.91	23.03	22.90	24.0	0.0

n5 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.15	23.22	23.10	24.0	0.0
20	PI/2 BPSK	1	53	23.07	23.06	23.14		
20	PI/2 BPSK	1	104	23.11	23.13	22.99		
20	PI/2 BPSK	50	0	22.54	22.61	22.59	23.5	0.5
20	PI/2 BPSK	50	28	23.06	23.15	23.10	24.0	0.0
20	PI/2 BPSK	50	56	22.37	22.53	22.41	23.5	0.5
20	PI/2 BPSK	100	0	22.58	22.66	22.38		
20	QPSK	1	1	23.23	23.29	23.19	24.0	0.0
20	QPSK	1	53	23.20	23.27	22.96		
20	QPSK	1	104	23.10	23.17	23.06		
20	QPSK	50	0	22.99	22.10	21.88	23.0	1.0
20	QPSK	50	28	23.12	23.26	23.11	24.0	0.0
20	QPSK	50	56	22.02	22.13	21.95	23.0	1.0
20	QPSK	100	0	22.12	22.17	21.86		
20	16QAM	1	1	21.97	22.08	21.93	23.0	1.0
20	64QAM	1	1	20.73	20.76	20.54	21.5	2.5
20	256QAM	1	1	19.29	19.36	19.34	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.13	23.24	23.11	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.14	23.16	23.16	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.08	23.21	23.14	24.0	0.0

n7 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	23.17	23.29	23.13	24.0	0.0
50	PI/2 BPSK	1	135	23.06	23.14	23.12		
50	PI/2 BPSK	1	268	23.10	23.10	23.09		
50	PI/2 BPSK	135	0	22.55	22.62	22.57	23.5	0.5
50	PI/2 BPSK	135	68	23.12	23.15	23.04	24.0	0.0
50	PI/2 BPSK	135	135	22.43	22.57	22.40	23.5	0.5
50	PI/2 BPSK	270	0	22.54	22.63	22.47		
50	QPSK	1	1	23.27	23.32	23.19	24.0	0.0
50	QPSK	1	135	23.20	23.29	23.09		
50	QPSK	1	268	23.12	23.19	23.06		
50	QPSK	135	0	22.06	22.12	21.98	23.0	1.0
50	QPSK	135	68	23.16	23.28	23.11	24.0	0.0
50	QPSK	135	135	22.07	22.06	21.97	23.0	1.0
50	QPSK	270	0	22.08	22.20	21.98		
50	16QAM	1	1	21.80	21.85	21.76	23.0	1.0
50	64QAM	1	1	20.49	20.54	20.49	21.5	2.5
50	256QAM	1	1	19.09	19.06	18.91	19.5	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	23.18	23.28	23.07	24.0	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	23.18	23.26	23.06	0.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	23.13	23.20	23.14	24.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	23.23	23.24	23.09	24.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	23.16	23.28	23.12	24.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	23.20	23.27	23.07	24.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.22	23.22	23.12	24.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	23.21	23.22	23.12	24.0	0.0

n12 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	23.07	23.19	23.03	24.0	0.0
15	PI/2 BPSK	1	40	23.01	23.05	23.05		
15	PI/2 BPSK	1	77	23.01	23.07	22.97		
15	PI/2 BPSK	36	0	22.46	22.54	22.51	23.5	0.5
15	PI/2 BPSK	36	22	23.05	23.07	22.98	24.0	0.0
15	PI/2 BPSK	36	43	22.29	22.43	22.37	23.5	0.5
15	PI/2 BPSK	75	0	22.51	22.58	22.37		
15	QPSK	1	1	23.13	23.27	23.08	24.0	0.0
15	QPSK	1	40	23.15	23.17	22.95		
15	QPSK	1	77	23.01	23.10	22.99		
15	QPSK	36	0	22.00	22.05	21.84	23.0	1.0
15	QPSK	36	22	23.04	23.24	23.01	24.0	0.0
15	QPSK	36	43	22.00	22.05	21.94	23.0	1.0
15	QPSK	75	0	22.01	22.11	21.85		
15	16QAM	1	1	21.94	21.98	21.85	23.0	1.0
15	64QAM	1	1	20.61	20.67	20.54	21.5	2.5
15	256QAM	1	1	19.17	19.31	19.26	19.5	4.5
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	23.08	23.16	23.04	24.0	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	23.10	23.14	22.95	24.0	0.0

n14 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					158600			
Frequency (MHz)					793			
10	PI/2 BPSK	1	1		23.57		24.0	0.0
10	PI/2 BPSK	1	26		23.36			
10	PI/2 BPSK	1	50		23.39			
10	PI/2 BPSK	25	0		22.88		23.5	0.5
10	PI/2 BPSK	25	14		23.43		24.0	0.0
10	PI/2 BPSK	25	27		22.81		23.5	0.5
10	PI/2 BPSK	50	0		22.89			
10	QPSK	1	1		23.63		24.0	0.0
10	QPSK	1	26		23.49			
10	QPSK	1	50		23.45			
10	QPSK	25	0		22.40		23.0	1.0
10	QPSK	25	14		23.55		24.0	0.0
10	QPSK	25	27		22.40		23.0	1.0
10	QPSK	50	0		22.44			
10	16QAM	1	1		22.39		23.0	1.0
10	64QAM	1	1		21.04		21.5	2.5
10	256QAM	1	1		19.33		19.5	4.5
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	23.45	23.48	23.39	24.0	0.0

n25 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	23.20	23.26	23.09	24.0	0.0
40	PI/2 BPSK	1	108	23.11	23.21	23.21		
40	PI/2 BPSK	1	214	23.09	23.17	23.03		
40	PI/2 BPSK	108	0	22.60	22.60	22.66	23.5	0.5
40	PI/2 BPSK	108	54	23.10	23.23	23.10	24.0	0.0
40	PI/2 BPSK	108	108	22.42	22.55	22.54	23.5	0.5
40	PI/2 BPSK	216	0	22.61	22.72	22.47		
40	QPSK	1	1	23.32	23.36	23.15	24.0	0.0
40	QPSK	1	108	23.28	23.30	23.12		
40	QPSK	1	214	23.15	23.18	23.07		
40	QPSK	108	0	22.12	22.20	21.99	23.0	1.0
40	QPSK	108	54	23.10	23.32	23.15	24.0	0.0
40	QPSK	108	108	22.05	22.22	22.08	23.0	1.0
40	QPSK	216	0	22.14	22.19	21.94		
40	16QAM	1	1	22.06	22.05	22.01	23.0	1.0
40	64QAM	1	1	20.70	20.74	20.63	21.5	2.5
40	256QAM	1	1	19.25	19.41	19.34	19.5	4.5
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1	23.15	23.20	23.13	24.0	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	23.18	23.27	23.01	24.0	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	23.24	23.31	23.08	24.0	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	23.18	23.23	23.02	24.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	23.28	23.32	23.10	24.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	23.26	23.31	23.01	24.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	23.19	23.27	23.08	24.0	0.0

n26 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	23.24	23.39	23.25	24.0	0.0
20	PI/2 BPSK	1	53	23.12	23.24	23.21		
20	PI/2 BPSK	1	104	23.14	23.18	23.13		
20	PI/2 BPSK	50	0	22.65	22.75	22.65	23.5	0.5
20	PI/2 BPSK	50	28	23.16	23.26	23.16	24.0	0.0
20	PI/2 BPSK	50	56	22.55	22.65	22.54	23.5	0.5
20	PI/2 BPSK	100	0	22.63	22.70	22.62		
20	QPSK	1	1	23.34	23.40	23.28	24.0	0.0
20	QPSK	1	53	23.24	23.34	23.16		
20	QPSK	1	104	23.22	23.29	23.19		
20	QPSK	50	0	22.20	22.20	22.12	23.0	1.0
20	QPSK	50	28	23.23	23.36	23.19	24.0	0.0
20	QPSK	50	56	22.17	22.19	22.06	23.0	1.0
20	QPSK	100	0	22.20	22.28	22.10		
20	16QAM	1	1	21.85	21.98	21.86	23.0	1.0
20	64QAM	1	1	20.53	20.59	20.58	21.5	2.5
20	256QAM	1	1	19.12	19.15	19.00	19.5	4.5
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	23.22	23.36	23.18	24.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	23.24	23.26	23.15	24.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	23.25	23.30	23.23	24.0	0.0

n30 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					462000			
Frequency (MHz)					2310			
10	PI/2 BPSK	1	1		23.41		24.0	0.0
10	PI/2 BPSK	1	26		23.30			
10	PI/2 BPSK	1	50		23.36			
10	PI/2 BPSK	25	0		22.78		23.5	0.5
10	PI/2 BPSK	25	14		23.33		24.0	0.0
10	PI/2 BPSK	25	27		22.70		23.5	0.5
10	PI/2 BPSK	50	0		22.84			
10	QPSK	1	1		23.49		24.0	0.0
10	QPSK	1	26		23.44			
10	QPSK	1	50		23.43			
10	QPSK	25	0		22.25		23.0	1.0
10	QPSK	25	14		23.41		24.0	0.0
10	QPSK	25	27		22.28		23.0	1.0
10	QPSK	50	0		22.35			
10	16QAM	1	1		22.13		23.0	1.0
10	64QAM	1	1		20.69		21.5	2.5
10	256QAM	1	1		19.42		19.5	4.5
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	23.36	23.43	23.32	24.0	0.0

n66 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	22.96	23.04	22.91	24.0	0.0
40	PI/2 BPSK	1	108	22.88	22.91	22.89		
40	PI/2 BPSK	1	214	22.80	22.83	22.77		
40	PI/2 BPSK	108	0	22.30	22.39	22.26	23.5	0.5
40	PI/2 BPSK	108	54	22.88	22.85	22.81	24.0	0.0
40	PI/2 BPSK	108	108	22.10	22.30	22.15	23.5	0.5
40	PI/2 BPSK	216	0	22.31	22.42	22.23		
40	QPSK	1	1	23.05	23.13	23.00	24.0	0.0
40	QPSK	1	108	22.98	22.95	22.80		
40	QPSK	1	214	22.83	22.97	22.80		
40	QPSK	108	0	21.85	21.89	21.71	23.0	1.0
40	QPSK	108	54	22.86	23.05	22.80	24.0	0.0
40	QPSK	108	108	21.85	21.87	21.80	23.0	1.0
40	QPSK	216	0	21.77	21.92	21.66		
40	16QAM	1	1	21.78	21.81	21.66	23.0	1.0
40	64QAM	1	1	20.45	20.43	20.30	21.5	2.5
40	256QAM	1	1	19.03	19.10	19.08	19.5	4.5
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	22.97	23.09	22.91	24.0	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	23.01	23.07	22.90	24.0	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	23.01	23.04	22.89	24.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	22.94	23.09	22.87	24.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	22.92	23.08	22.95	24.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	22.94	22.99	22.89	24.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.00	23.07	22.88	24.0	0.0

n70 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					340500			
Frequency (MHz)					1702.5			
15	PI/2 BPSK	1	1		23.18		24.0	0.0
15	PI/2 BPSK	1	40		23.09			
15	PI/2 BPSK	1	77		23.02			
15	PI/2 BPSK	36	0		22.47		23.5	0.5
15	PI/2 BPSK	36	22		22.98		24.0	0.0
15	PI/2 BPSK	36	43		22.41		23.5	0.5
15	PI/2 BPSK	75	0		22.53			
15	QPSK	1	1		23.30		24.0	0.0
15	QPSK	1	40		23.03			
15	QPSK	1	77		23.15			
15	QPSK	36	0		21.97		23.0	1.0
15	QPSK	36	22		23.22		24.0	0.0
15	QPSK	36	43		21.97		23.0	1.0
15	QPSK	75	0		22.05			
15	16QAM	1	1		21.96		23.0	1.0
15	64QAM	1	1		20.52		21.5	2.5
15	256QAM	1	1		19.05		19.5	4.5
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	23.13	23.25	23.16	24.0	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	23.10	23.18	23.09	24.0	0.0

n71 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	23.50	23.57	23.42	24.0	0.0
20	PI/2 BPSK	1	53	23.43	23.41	23.46		
20	PI/2 BPSK	1	104	23.28	23.36	23.26		
20	PI/2 BPSK	50	0	22.81	22.93	22.82	23.5	0.5
20	PI/2 BPSK	50	28	23.38	23.34	23.29	24.0	0.0
20	PI/2 BPSK	50	56	22.63	22.85	22.66	23.5	0.5
20	PI/2 BPSK	100	0	22.81	22.91	22.77		
20	QPSK	1	1	23.59	23.69	23.54	24.0	0.0
20	QPSK	1	53	23.48	23.46	23.31		
20	QPSK	1	104	23.31	23.49	23.35		
20	QPSK	50	0	22.32	22.38	22.20	23.0	1.0
20	QPSK	50	28	23.34	23.50	23.26	24.0	0.0
20	QPSK	50	56	22.36	22.38	22.30	23.0	1.0
20	QPSK	100	0	22.24	22.42	22.20		
20	16QAM	1	1	22.29	22.36	22.22	23.0	1.0
20	64QAM	1	1	20.98	21.00	20.87	21.5	2.5
20	256QAM	1	1	19.28	19.45	19.40	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	23.48	23.58	23.50	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	23.56	23.59	23.43	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	23.52	23.60	23.44	24.0	0.0

n38 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	23.10	23.21	23.14	24.0	0.0
40	PI/2 BPSK	1	53	23.03	23.06	23.07		
40	PI/2 BPSK	1	104	22.94	22.96	22.97		
40	PI/2 BPSK	50	0	22.48	22.58	22.41	23.5	0.5
40	PI/2 BPSK	50	28	23.01	23.01	22.95	24.0	0.0
40	PI/2 BPSK	50	56	22.32	22.52	22.35	23.5	0.5
40	PI/2 BPSK	100	0	22.50	22.57	22.39		
40	QPSK	1	1	23.26	23.34	23.21	24.0	0.0
40	QPSK	1	53	23.18	23.13	23.00		
40	QPSK	1	104	22.95	23.17	23.01		
40	QPSK	50	0	22.06	22.10	21.87	23.0	1.0
40	QPSK	50	28	22.97	23.19	22.97	24.0	0.0
40	QPSK	50	56	22.00	22.05	21.93	23.0	1.0
40	QPSK	100	0	21.95	22.14	21.86		
40	16QAM	1	1	21.99	21.94	21.78	23.0	1.0
40	64QAM	1	1	20.61	20.59	20.41	21.5	2.5
40	256QAM	1	1	19.19	19.31	19.29	19.5	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	23.19	23.31	23.09	24.0	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	23.19	23.21	23.11	24.0	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	23.18	23.29	23.07	24.0	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	23.13	23.24	23.07	24.0	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	23.19	23.28	23.10	24.0	0.0

n41 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	21.82	21.86	21.74	23.0	0.0
100	PI/2 BPSK	1	137	21.74	21.83	21.71		
100	PI/2 BPSK	1	271	21.64	21.78	21.67		
100	PI/2 BPSK	135	0	21.67	21.73	21.69	23.0	0.0
100	PI/2 BPSK	135	69	21.65	21.70	21.57	23.0	0.0
100	PI/2 BPSK	135	138	21.53	21.66	21.51	23.0	0.0
100	PI/2 BPSK	270	0	21.62	21.72	21.58		
100	QPSK	1	1	21.84	21.91	21.88	23.0	0.0
100	QPSK	1	137	21.80	21.85	21.78		
100	QPSK	1	271	21.67	21.78	21.65		
100	QPSK	135	0	21.65	21.72	21.69	23.0	0.0
100	QPSK	135	69	21.80	21.85	21.72	23.0	0.0
100	QPSK	135	138	21.55	21.68	21.57	23.0	0.0
100	QPSK	270	0	21.67	21.75	21.71		
100	16QAM	1	1	21.54	21.66	21.60	23.0	0.0
100	64QAM	1	1	21.11	21.24	21.12	23.0	0.0
100	256QAM	1	1	20.72	20.78	20.74	21.5	1.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.69	21.80	21.76	23.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	21.70	21.84	21.76	23.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.77	21.82	21.80	23.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	21.80	21.77	21.84	23.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.70	21.86	21.79	23.0	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	21.70	21.77	21.82	23.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.77	21.84	21.85	23.0	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	21.73	21.80	21.78	23.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.70	21.84	21.77	23.0	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	21.73	21.85	21.79	23.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.77	21.79	21.82	23.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	21.75	21.84	21.74	23.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	21.70	21.87	21.83	23.0	0.0

n41 HPUE Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	24.79	24.87	24.82	26.0	0.0
100	PI/2 BPSK	1	137	24.75	24.67	24.71		
100	PI/2 BPSK	1	271	24.60	24.60	24.61		
100	PI/2 BPSK	135	0	24.09	24.19	24.07	25.5	0.5
100	PI/2 BPSK	135	69	24.72	24.63	24.65	26.0	0.0
100	PI/2 BPSK	135	138	23.89	24.16	24.01	25.5	0.5
100	PI/2 BPSK	270	0	24.15	24.22	24.00		
100	QPSK	1	1	24.90	24.99	24.94	26.0	0.0
100	QPSK	1	137	24.79	24.75	24.63		
100	QPSK	1	271	24.64	24.75	24.63		
100	QPSK	135	0	23.63	23.67	23.46	25.0	1.0
100	QPSK	135	69	24.72	24.87	24.63	26.0	0.0
100	QPSK	135	138	23.70	23.72	23.69	25.0	1.0
100	QPSK	270	0	23.75	23.79	23.71		
100	16QAM	1	1	23.67	23.72	23.67	25.0	1.0
100	64QAM	1	1	22.37	22.42	22.35	23.5	2.5
100	256QAM	1	1	19.68	19.76	19.71	21.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	24.84	24.89	24.86	26.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	24.86	24.90	24.82	26.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	24.87	24.96	24.88	26.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	24.82	24.94	24.82	26.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	24.80	24.87	24.90	26.0	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	24.80	24.85	24.84	26.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	24.80	24.87	24.81	26.0	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	24.84	24.92	24.85	26.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	24.80	24.84	24.82	26.0	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	24.78	24.86	24.86	26.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	24.86	24.86	24.85	26.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	24.83	24.87	24.85	26.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	24.84	24.91	24.81	26.0	0.0

n2 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PI/2 BPSK	1	1	23.02	23.18	23.04	24.0	0.0
40	PI/2 BPSK	1	108	22.96	23.06	22.95		
40	PI/2 BPSK	1	214	22.89	22.94	22.89		
40	PI/2 BPSK	108	0	22.44	22.46	22.35	23.5	0.5
40	PI/2 BPSK	108	54	23.04	22.94	22.98	24.0	0.0
40	PI/2 BPSK	108	108	22.18	22.37	22.31	23.5	0.5
40	PI/2 BPSK	216	0	22.42	22.49	22.29		
40	QPSK	1	1	23.17	23.19	23.10	24.0	0.0
40	QPSK	1	108	23.07	23.06	22.96		
40	QPSK	1	214	22.93	23.08	22.95		
40	QPSK	108	0	21.95	22.02	21.83	23.0	1.0
40	QPSK	108	54	23.02	23.14	22.86	24.0	0.0
40	QPSK	108	108	21.96	21.92	21.87	23.0	1.0
40	QPSK	216	0	21.89	22.08	21.73		
40	16QAM	1	1	21.94	21.89	21.80	23.0	1.0
40	64QAM	1	1	20.58	20.51	20.42	21.5	2.5
40	256QAM	1	1	19.12	19.24	19.19	19.5	4.5
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	23.03	23.12	22.98	0.0	0.0
Channel				372000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	23.09	23.15	22.96	0.0	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	23.03	23.14	22.99	0.0	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	23.03	23.06	23.05	0.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	23.09	23.14	23.03	24.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	23.11	23.10	22.99	24.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	23.09	23.15	22.97	24.0	0.0

n5 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	22.87	22.91	22.82	24.0	0.0
20	PI/2 BPSK	1	53	22.77	22.80	22.84		
20	PI/2 BPSK	1	104	22.76	22.77	22.62		
20	PI/2 BPSK	50	0	22.26	22.26	22.22	23.5	0.5
20	PI/2 BPSK	50	28	22.80	22.79	22.74	24.0	0.0
20	PI/2 BPSK	50	56	21.97	22.21	22.01	23.5	0.5
20	PI/2 BPSK	100	0	22.22	22.37	22.20		
20	QPSK	1	1	22.90	22.99	22.91	24.0	0.0
20	QPSK	1	53	22.92	22.85	22.66		
20	QPSK	1	104	22.74	22.88	22.75		
20	QPSK	50	0	21.74	21.81	21.62	23.0	1.0
20	QPSK	50	28	22.82	22.90	22.77	24.0	0.0
20	QPSK	50	56	21.80	21.77	21.68	23.0	1.0
20	QPSK	100	0	21.72	21.80	21.61		
20	16QAM	1	1	21.64	21.68	21.60	23.0	1.0
20	64QAM	1	1	20.38	20.37	20.23	21.5	2.5
20	256QAM	1	1	18.98	18.99	18.97	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.86	22.93	22.79	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.81	22.87	22.82	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.85	22.89	22.78	24.0	0.0

n7 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	22.76	22.81	22.69	24.0	0.0
50	PI/2 BPSK	1	135	22.71	22.67	22.81		
50	PI/2 BPSK	1	268	22.66	22.67	22.52		
50	PI/2 BPSK	135	0	22.15	22.17	22.19	23.5	0.5
50	PI/2 BPSK	135	68	22.72	22.69	22.69	24.0	0.0
50	PI/2 BPSK	135	135	21.83	22.14	21.87	23.5	0.5
50	PI/2 BPSK	270	0	22.18	22.23	22.14		
50	QPSK	1	1	22.77	22.88	22.84	24.0	0.0
50	QPSK	1	135	22.84	22.75	22.59		
50	QPSK	1	268	22.61	22.75	22.60		
50	QPSK	135	0	21.63	21.74	21.57	23.0	1.0
50	QPSK	135	68	22.74	22.81	22.68	24.0	0.0
50	QPSK	135	135	21.76	21.70	21.63	23.0	1.0
50	QPSK	270	0	21.60	21.66	21.46		
50	16QAM	1	1	21.47	21.52	21.43	23.0	1.0
50	64QAM	1	1	19.98	20.05	19.90	21.5	2.5
50	256QAM	1	1	18.52	18.59	18.53	19.5	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	22.68	22.76	22.75	24.0	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	22.66	22.85	22.73	0.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	22.63	22.79	22.72	24.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	22.70	22.77	22.75	24.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	22.73	22.84	22.79	24.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.67	22.76	22.71	24.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.66	22.75	22.79	24.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	22.62	22.81	22.76	24.0	0.0

n12 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	22.83	22.92	22.83	24.0	0.0
15	PI/2 BPSK	1	40	22.80	22.78	22.86		
15	PI/2 BPSK	1	77	22.79	22.78	22.68		
15	PI/2 BPSK	36	0	22.23	22.31	22.27	23.5	0.5
15	PI/2 BPSK	36	22	22.82	22.81	22.79	24.0	0.0
15	PI/2 BPSK	36	43	21.88	22.29	22.01	23.5	0.5
15	PI/2 BPSK	75	0	22.29	22.36	22.21		
15	QPSK	1	1	22.84	23.01	22.94	24.0	0.0
15	QPSK	1	40	22.94	22.91	22.72		
15	QPSK	1	77	22.77	22.83	22.71		
15	QPSK	36	0	21.77	21.88	21.68	23.0	1.0
15	QPSK	36	22	22.83	22.97	22.74	24.0	0.0
15	QPSK	36	43	21.72	21.76	21.57	23.0	1.0
15	QPSK	75	0	21.80	21.81	21.77		
15	16QAM	1	1	21.71	21.75	21.70	23.0	1.0
15	64QAM	1	1	20.19	20.34	20.21	21.5	2.5
	256QAM	1	1	18.97	19.05	18.94	19.5	4.5
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	22.74	22.91	22.89	24.0	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	22.73	22.88	22.83	24.0	0.0

n14 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					158600			
Frequency (MHz)					793			
10	PI/2 BPSK	1	1		23.25		24.0	0.0
10	PI/2 BPSK	1	26		23.14			
10	PI/2 BPSK	1	50		23.05			
10	PI/2 BPSK	25	0		22.60		23.5	0.5
10	PI/2 BPSK	25	14		23.15		24.0	0.0
10	PI/2 BPSK	25	27		22.61		23.5	0.5
10	PI/2 BPSK	50	0		22.69			
10	QPSK	1	1		23.34		24.0	0.0
10	QPSK	1	26		23.21			
10	QPSK	1	50		23.13			
10	QPSK	25	0		22.16		23.0	1.0
10	QPSK	25	14		23.27		24.0	0.0
10	QPSK	25	27		22.08		23.0	1.0
10	QPSK	50	0		22.15			
10	16QAM	1	1		22.09		23.0	1.0
10	64QAM	1	1		20.69		21.5	2.5
10	256QAM	1	1		19.39		19.5	4.5
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	23.15	23.21	23.17	24.0	0.0

n25 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	23.06	23.07	23.01	24.0	0.0
40	PI/2 BPSK	1	108	22.90	22.97	22.98		
40	PI/2 BPSK	1	214	22.87	22.86	22.88		
40	PI/2 BPSK	108	0	22.30	22.42	22.28	23.5	0.5
40	PI/2 BPSK	108	54	22.90	22.89	22.89	24.0	0.0
40	PI/2 BPSK	108	108	22.16	22.40	22.17	23.5	0.5
40	PI/2 BPSK	216	0	22.40	22.48	22.29		
40	QPSK	1	1	23.15	23.20	23.12	24.0	0.0
40	QPSK	1	108	23.08	22.96	22.84		
40	QPSK	1	214	22.85	23.01	22.89		
40	QPSK	108	0	21.93	21.99	21.75	23.0	1.0
40	QPSK	108	54	22.92	23.09	22.80	24.0	0.0
40	QPSK	108	108	21.86	21.88	21.90	23.0	1.0
40	QPSK	216	0	21.82	22.01	21.73		
40	16QAM	1	1	21.88	21.82	21.67	23.0	1.0
40	64QAM	1	1	20.52	20.50	20.30	21.5	2.5
40	256QAM	1	1	19.12	19.19	19.16	19.5	4.5
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1	23.05	23.10	23.04	24.0	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	23.03	23.11	23.08	24.0	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	23.02	23.09	23.03	24.0	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	23.10	23.15	23.06	24.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	23.12	23.07	23.07	24.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	23.12	23.16	23.08	24.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	23.04	23.14	23.00	24.0	0.0

n26 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	22.92	22.99	22.93	24.0	0.0
20	PI/2 BPSK	1	53	22.77	22.92	22.85		
20	PI/2 BPSK	1	104	22.78	22.78	22.84		
20	PI/2 BPSK	50	0	22.22	22.36	22.19	23.5	0.5
20	PI/2 BPSK	50	28	22.84	22.86	22.81	24.0	0.0
20	PI/2 BPSK	50	56	22.10	22.26	22.08	23.5	0.5
20	PI/2 BPSK	100	0	22.32	22.44	22.16		
20	QPSK	1	1	23.06	23.13	22.99	24.0	0.0
20	QPSK	1	53	23.01	22.82	22.80		
20	QPSK	1	104	22.80	22.97	22.78		
20	QPSK	50	0	21.89	21.84	21.67	23.0	1.0
20	QPSK	50	28	22.82	23.04	22.89	24.0	0.0
20	QPSK	50	56	21.73	21.85	21.79	23.0	1.0
20	QPSK	100	0	21.74	21.88	21.62		
20	16QAM	1	1	21.79	21.78	21.53	23.0	1.0
20	64QAM	1	1	20.44	20.37	20.16	21.5	2.5
20	256QAM	1	1	19.00	19.15	19.03	19.5	4.5
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	22.99	23.05	22.84	24.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	22.96	23.00	22.92	24.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	22.92	23.07	22.85	24.0	0.0

n30 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					462000			
Frequency (MHz)					2310			
10	PI/2 BPSK	1	1		22.90		24.0	0.0
10	PI/2 BPSK	1	26		22.79			
10	PI/2 BPSK	1	50		22.66			
10	PI/2 BPSK	25	0		22.22		23.5	0.5
10	PI/2 BPSK	25	14		22.76		24.0	0.0
10	PI/2 BPSK	25	27		22.21		23.5	0.5
10	PI/2 BPSK	50	0		22.35			
10	QPSK	1	1		23.04		24.0	0.0
10	QPSK	1	26		22.76			
10	QPSK	1	50		22.92			
10	QPSK	25	0		21.77		23.0	1.0
10	QPSK	25	14		22.98		24.0	0.0
10	QPSK	25	27		21.76		23.0	1.0
10	QPSK	50	0		21.84			
10	16QAM	1	1		21.64		23.0	1.0
10	64QAM	1	1		20.27		21.5	2.5
10	256QAM	1	1		19.09		19.5	4.5
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	22.91	22.98	22.82	24.0	0.0

n66 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	23.22	23.32	23.21	24.0	0.0
40	PI/2 BPSK	1	108	23.21	23.24	23.15		
40	PI/2 BPSK	1	214	23.16	23.09	23.07		
40	PI/2 BPSK	108	0	22.60	22.69	22.54	23.5	0.5
40	PI/2 BPSK	108	54	23.16	23.17	23.09	24.0	0.0
40	PI/2 BPSK	108	108	22.36	22.56	22.48	23.5	0.5
40	PI/2 BPSK	216	0	22.58	22.77	22.53		
40	QPSK	1	1	23.37	23.39	23.28	24.0	0.0
40	QPSK	1	108	23.20	23.23	23.15		
40	QPSK	1	214	23.17	23.29	23.06		
40	QPSK	108	0	22.13	22.15	21.98	23.0	1.0
40	QPSK	108	54	23.22	23.30	23.06	24.0	0.0
40	QPSK	108	108	22.20	22.18	22.09	23.0	1.0
40	QPSK	216	0	22.03	22.22	22.01		
40	16QAM	1	1	21.77	21.82	21.67	23.0	1.0
40	64QAM	1	1	20.32	20.43	20.34	21.5	2.5
40	256QAM	1	1	18.77	18.91	18.86	19.5	4.5
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	23.30	23.32	23.19	24.0	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	23.32	23.26	23.15	24.0	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	23.29	23.24	23.21	24.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.24	23.28	23.19	24.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.27	23.34	23.21	24.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.23	23.24	23.22	24.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.30	23.32	23.13	24.0	0.0

n70 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					340500			
Frequency (MHz)					1702.5			
15	PI/2 BPSK	1	1		23.60		24.0	0.0
15	PI/2 BPSK	1	40		23.52			
15	PI/2 BPSK	1	77		23.35			
15	PI/2 BPSK	36	0		23.05		23.5	0.5
15	PI/2 BPSK	36	22		23.48		24.0	0.0
15	PI/2 BPSK	36	43		22.88		23.5	0.5
15	PI/2 BPSK	75	0		23.09			
15	QPSK	1	1		23.66		24.0	0.0
15	QPSK	1	40		23.48			
15	QPSK	1	77		23.56			
15	QPSK	36	0		22.47		23.0	1.0
15	QPSK	36	22		23.60		24.0	0.0
15	QPSK	36	43		22.52		23.0	1.0
15	QPSK	75	0		22.57			
15	16QAM	1	1		22.10		23.0	1.0
15	64QAM	1	1		20.74		21.5	2.5
	256QAM	1	1		19.17		19.5	4.5
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	23.51	23.60	23.57	24.0	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	23.50	23.52	23.50	24.0	0.0

n71 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	23.33	23.49	23.30	24.0	0.0
20	PI/2 BPSK	1	53	23.26	23.32	23.30		
20	PI/2 BPSK	1	104	23.33	23.19	23.15		
20	PI/2 BPSK	50	0	22.75	22.85	22.68	23.5	0.5
20	PI/2 BPSK	50	28	23.27	23.32	23.15	24.0	0.0
20	PI/2 BPSK	50	56	22.53	22.71	22.63	23.5	0.5
20	PI/2 BPSK	100	0	22.64	22.91	22.59		
20	QPSK	1	1	23.47	23.50	23.36	24.0	0.0
20	QPSK	1	53	23.28	23.36	23.22		
20	QPSK	1	104	23.28	23.45	23.21		
20	QPSK	50	0	22.28	22.29	22.08	23.0	1.0
20	QPSK	50	28	23.35	23.39	23.12	24.0	0.0
20	QPSK	50	56	22.28	22.30	22.18	23.0	1.0
20	QPSK	100	0	22.16	22.36	22.18		
20	16QAM	1	1	22.05	22.17	22.02	23.0	1.0
20	64QAM	1	1	20.73	20.86	20.71	21.5	2.5
20	256QAM	1	1	19.40	19.43	19.34	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	23.38	23.44	23.32	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	23.34	23.37	23.23	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	23.34	23.42	23.30	24.0	0.0

n38 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	22.82	22.97	22.83	24.0	0.0
40	PI/2 BPSK	1	53	22.80	22.77	22.76		
40	PI/2 BPSK	1	104	22.66	22.69	22.68		
40	PI/2 BPSK	50	0	22.19	22.36	22.22	23.5	0.5
40	PI/2 BPSK	50	28	22.76	22.70	22.66	24.0	0.0
40	PI/2 BPSK	50	56	22.01	22.20	22.09	23.5	0.5
40	PI/2 BPSK	100	0	22.26	22.28	22.11		
40	QPSK	1	1	22.97	23.01	22.85	24.0	0.0
40	QPSK	1	53	22.91	22.83	22.66		
40	QPSK	1	104	22.77	22.91	22.74		
40	QPSK	50	0	21.81	21.79	21.61	23.0	1.0
40	QPSK	50	28	22.82	22.92	22.73	24.0	0.0
40	QPSK	50	56	21.80	21.80	21.71	23.0	1.0
40	QPSK	100	0	21.68	21.84	21.54		
40	16QAM	1	1	21.64	21.76	21.53	23.0	1.0
40	64QAM	1	1	20.36	20.30	20.23	21.5	2.5
40	256QAM	1	1	18.98	19.01	18.97	19.5	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	22.90	22.96	22.79	24.0	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	22.84	22.92	22.75	24.0	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	22.92	22.98	22.72	24.0	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	22.86	22.91	22.73	24.0	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	22.86	22.93	22.76	24.0	0.0

n41 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	21.65	21.79	21.73	23.0	0.0
100	PI/2 BPSK	1	137	21.60	21.70	21.58		
100	PI/2 BPSK	1	271	21.61	21.74	21.61		
100	PI/2 BPSK	135	0	21.46	21.60	21.53	23.0	0.0
100	PI/2 BPSK	135	69	21.53	21.64	21.59	23.0	0.0
100	PI/2 BPSK	135	138	21.43	21.55	21.46	23.0	0.0
100	PI/2 BPSK	270	0	21.53	21.65	21.54		
100	QPSK	1	1	21.80	21.85	21.70	23.0	0.0
100	QPSK	1	137	21.65	21.78	21.64		
100	QPSK	1	271	21.57	21.70	21.57		
100	QPSK	135	0	21.58	21.66	21.61	23.0	0.0
100	QPSK	135	69	21.68	21.76	21.65	23.0	0.0
100	QPSK	135	138	21.58	21.61	21.52	23.0	0.0
100	QPSK	270	0	21.56	21.66	21.54		
100	16QAM	1	1	21.40	21.52	21.43	23.0	0.0
100	64QAM	1	1	21.16	21.20	21.05	23.0	0.0
100	256QAM	1	1	20.51	20.66	20.61	21.5	1.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.72	21.78	21.60	23.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	21.70	21.75	21.61	23.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.73	21.73	21.62	23.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	21.70	21.71	21.66	23.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.73	21.80	21.59	23.0	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	21.67	21.79	21.67	23.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.75	21.81	21.56	23.0	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	21.73	21.71	21.66	23.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.70	21.78	21.56	23.0	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	21.77	21.76	21.65	23.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.69	21.82	21.57	23.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	21.70	21.75	21.56	23.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	21.76	21.79	21.65	23.0	0.0

n41 HPUE Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	24.59	24.65	24.57	26.0	0.0
100	PI/2 BPSK	1	137	24.53	24.51	24.52		
100	PI/2 BPSK	1	271	24.37	24.48	24.35		
100	PI/2 BPSK	135	0	23.89	24.06	23.91	25.5	0.5
100	PI/2 BPSK	135	69	24.46	24.48	24.37	26.0	0.0
100	PI/2 BPSK	135	138	23.70	23.95	23.74	25.5	0.5
100	PI/2 BPSK	270	0	23.94	24.01	23.88		
100	QPSK	1	1	24.61	24.76	24.70	26.0	0.0
100	QPSK	1	137	24.64	24.55	24.39		
100	QPSK	1	271	24.39	24.55	24.37		
100	QPSK	135	0	23.49	23.46	23.26	25.0	1.0
100	QPSK	135	69	24.41	24.64	24.47	26.0	0.0
100	QPSK	135	138	23.40	23.44	23.38	25.0	1.0
100	QPSK	270	0	23.37	23.55	23.22		
100	16QAM	1	1	23.58	23.66	23.61	25.0	1.0
100	64QAM	1	1	22.17	22.28	22.23	23.5	2.5
100	256QAM	1	1	19.84	19.97	19.83	21.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	24.50	24.65	24.66	26.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	24.49	24.70	24.58	26.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	24.56	24.70	24.65	26.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	24.57	24.69	24.67	26.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	24.53	24.66	24.67	26.0	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	24.47	24.67	24.57	26.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	24.53	24.61	24.55	26.0	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	24.53	24.68	24.64	26.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	24.54	24.72	24.58	26.0	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	24.53	24.71	24.60	26.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	24.50	24.65	24.60	26.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	24.49	24.61	24.65	26.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	24.56	24.63	24.62	26.0	0.0

n2 Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PI/2 BPSK	1	1	22.92	22.98	22.84	24.0	0.0
40	PI/2 BPSK	1	108	22.78	22.83	22.79		
40	PI/2 BPSK	1	214	22.74	22.71	22.65		
40	PI/2 BPSK	108	0	22.23	22.34	22.15	23.5	0.5
40	PI/2 BPSK	108	54	22.82	22.79	22.72	24.0	0.0
40	PI/2 BPSK	108	108	22.07	22.26	22.07	23.5	0.5
40	PI/2 BPSK	216	0	22.17	22.34	22.20		
40	QPSK	1	1	22.97	23.04	22.94	24.0	0.0
40	QPSK	1	108	22.88	22.88	22.71		
40	QPSK	1	214	22.74	22.86	22.70		
40	QPSK	108	0	21.71	21.82	21.60	23.0	1.0
40	QPSK	108	54	22.82	22.99	22.67	24.0	0.0
40	QPSK	108	108	21.78	21.80	21.70	23.0	1.0
40	QPSK	216	0	21.66	21.87	21.53		
40	16QAM	1	1	21.66	21.72	21.58	23.0	1.0
40	64QAM	1	1	20.40	20.30	20.22	21.5	2.5
40	256QAM	1	1	18.98	19.05	19.03	19.5	4.5
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	22.90	22.96	22.88	0.0	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	22.87	22.95	22.89	0.0	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	22.92	22.93	22.87	0.0	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	22.92	23.00	22.87	0.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	22.84	22.94	22.91	24.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	22.91	23.02	22.89	24.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	22.93	23.04	22.90	24.0	0.0

n7 Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	23.45	23.45	23.32	24.0	0.0
50	PI/2 BPSK	1	135	23.24	23.31	23.26		
50	PI/2 BPSK	1	268	23.25	23.19	23.15		
50	PI/2 BPSK	135	0	22.68	22.89	22.70	23.5	0.5
50	PI/2 BPSK	135	68	23.31	23.32	23.20	24.0	0.0
50	PI/2 BPSK	135	135	22.53	22.81	22.56	23.5	0.5
50	PI/2 BPSK	270	0	22.63	22.84	22.70		
50	QPSK	1	1	23.53	23.61	23.43	24.0	0.0
50	QPSK	1	135	23.39	23.35	23.26		
50	QPSK	1	268	23.26	23.37	23.24		
50	QPSK	135	0	22.18	22.32	22.09	23.0	1.0
50	QPSK	135	68	23.36	23.49	23.21	24.0	0.0
50	QPSK	135	135	22.23	22.36	22.23	23.0	1.0
50	QPSK	270	0	22.15	22.35	22.01		
50	16QAM	1	1	21.69	21.76	21.64	23.0	1.0
50	64QAM	1	1	20.38	20.44	20.36	21.5	2.5
50	256QAM	1	1	18.80	18.87	18.82	19.5	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	23.49	23.50	23.39	24.0	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	23.45	23.55	23.33	0.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	23.46	23.50	23.28	24.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	23.45	23.52	23.36	24.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	23.49	23.47	23.35	24.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	23.39	23.54	23.36	24.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.50	23.50	23.38	24.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	23.49	23.57	23.32	24.0	0.0

n25 Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	22.91	22.90	22.77	24.0	0.0
40	PI/2 BPSK	1	108	22.76	22.82	22.76		
40	PI/2 BPSK	1	214	22.71	22.78	22.72		
40	PI/2 BPSK	108	0	22.17	22.26	22.14	23.5	0.5
40	PI/2 BPSK	108	54	22.82	22.81	22.68	24.0	0.0
40	PI/2 BPSK	108	108	21.99	22.24	22.08	23.5	0.5
40	PI/2 BPSK	216	0	22.24	22.38	22.15		
40	QPSK	1	1	22.97	23.07	22.92	24.0	0.0
40	QPSK	1	108	22.92	22.90	22.71		
40	QPSK	1	214	22.77	22.83	22.73		
40	QPSK	108	0	21.71	21.82	21.65	23.0	1.0
40	QPSK	108	54	22.74	23.01	22.72	24.0	0.0
40	QPSK	108	108	21.75	21.78	21.73	23.0	1.0
40	QPSK	216	0	21.63	21.87	21.54		
40	16QAM	1	1	21.63	21.68	21.60	23.0	1.0
40	64QAM	1	1	20.33	20.30	20.17	21.5	2.5
40	256QAM	1	1	18.89	19.03	18.93	19.5	4.5
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1	22.89	22.95	22.91	24.0	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	22.90	22.93	22.79	24.0	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	22.88	22.98	22.88	24.0	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	22.87	22.92	22.87	24.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	22.82	22.91	22.87	24.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	22.93	22.89	22.87	24.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	22.93	22.96	22.79	24.0	0.0

n30 Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					462000			
Frequency (MHz)					2310			
10	PI/2 BPSK	1	1		22.97		24.0	0.0
10	PI/2 BPSK	1	26		22.76			
10	PI/2 BPSK	1	50		22.71			
10	PI/2 BPSK	25	0		22.25		23.5	0.5
10	PI/2 BPSK	25	14		22.81		24.0	0.0
10	PI/2 BPSK	25	27		22.15		23.5	0.5
10	PI/2 BPSK	50	0		22.37			
10	QPSK	1	1		23.03		24.0	0.0
10	QPSK	1	26		22.90			
10	QPSK	1	50		22.93			
10	QPSK	25	0		21.78		23.0	1.0
10	QPSK	25	14		22.96		24.0	0.0
10	QPSK	25	27		21.72		23.0	1.0
10	QPSK	50	0		21.79			
10	16QAM	1	1		21.70		23.0	1.0
10	64QAM	1	1		20.40		21.5	2.5
10	256QAM	1	1		19.02		19.5	4.5
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	22.86	22.91	22.85	24.0	0.0

n66 Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	23.22	23.23	23.14	24.0	0.0
40	PI/2 BPSK	1	108	23.14	23.07	23.09		
40	PI/2 BPSK	1	214	23.06	23.07	22.99		
40	PI/2 BPSK	108	0	22.50	22.58	22.44	23.5	0.5
40	PI/2 BPSK	108	54	23.04	23.08	22.98	24.0	0.0
40	PI/2 BPSK	108	108	22.35	22.56	22.37	23.5	0.5
40	PI/2 BPSK	216	0	22.51	22.59	22.42		
40	QPSK	1	1	23.30	23.35	23.23	24.0	0.0
40	QPSK	1	108	23.13	23.13	23.02		
40	QPSK	1	214	23.00	23.13	23.05		
40	QPSK	108	0	22.09	22.14	21.98	23.0	1.0
40	QPSK	108	54	23.04	23.31	22.95	24.0	0.0
40	QPSK	108	108	22.03	22.10	21.90	23.0	1.0
40	QPSK	216	0	21.99	22.15	21.83		
40	16QAM	1	1	22.01	21.96	21.88	23.0	1.0
40	64QAM	1	1	20.61	20.69	20.46	21.5	2.5
40	256QAM	1	1	19.29	19.25	19.24	19.5	4.5
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	23.18	23.22	23.14	24.0	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	23.25	23.30	23.13	24.0	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	23.23	23.20	23.13	24.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.17	23.26	23.14	24.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.24	23.29	23.09	24.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.27	23.22	23.14	24.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.26	23.31	23.20	24.0	0.0

n70 Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					340500			
Frequency (MHz)					1702.5			
15	PI/2 BPSK	1	1		23.41		24.0	0.0
15	PI/2 BPSK	1	40		23.36			
15	PI/2 BPSK	1	77		23.18			
15	PI/2 BPSK	36	0		22.78		23.5	0.5
15	PI/2 BPSK	36	22		23.27		24.0	0.0
15	PI/2 BPSK	36	43		22.65		23.5	0.5
15	PI/2 BPSK	75	0		22.91			
15	QPSK	1	1		23.46		24.0	0.0
15	QPSK	1	40		23.34			
15	QPSK	1	77		23.35			
15	QPSK	36	0		22.24		23.0	1.0
15	QPSK	36	22		23.39		24.0	0.0
15	QPSK	36	43		22.28		23.0	1.0
15	QPSK	75	0		22.32			
15	16QAM	1	1		21.96		23.0	1.0
15	64QAM	1	1		20.59		21.5	2.5
15	256QAM	1	1		18.96		19.5	4.5
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	23.27	23.35	23.29	24.0	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	23.28	23.37	23.34	24.0	0.0

n38 Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	23.16	23.25	23.07	24.0	0.0
40	PI/2 BPSK	1	53	23.10	23.17	23.13		
40	PI/2 BPSK	1	104	23.04	23.10	22.93		
40	PI/2 BPSK	50	0	22.45	22.55	22.42	23.5	0.5
40	PI/2 BPSK	50	28	23.14	23.10	22.96	24.0	0.0
40	PI/2 BPSK	50	56	22.33	22.53	22.38	23.5	0.5
40	PI/2 BPSK	100	0	22.58	22.62	22.43		
40	QPSK	1	1	23.24	23.28	23.18	24.0	0.0
40	QPSK	1	53	23.19	23.15	22.98		
40	QPSK	1	104	23.07	23.13	22.97		
40	QPSK	50	0	22.04	22.05	21.95	23.0	1.0
40	QPSK	50	28	23.07	23.23	23.04	24.0	0.0
40	QPSK	50	56	22.03	22.05	21.96	23.0	1.0
40	QPSK	100	0	21.96	22.08	21.90		
40	16QAM	1	1	21.99	21.98	21.83	23.0	1.0
40	64QAM	1	1	20.67	20.64	20.46	21.5	2.5
40	256QAM	1	1	19.26	19.26	19.32	19.5	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	23.11	23.19	23.08	24.0	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	23.15	23.17	23.06	24.0	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	23.11	23.20	23.08	24.0	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	23.10	23.25	23.15	24.0	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	23.09	23.23	23.10	24.0	0.0

n41 Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.31	23.35	23.25	24.0	0.0
100	PI/2 BPSK	1	137	23.22	23.30	23.20		
100	PI/2 BPSK	1	271	23.17	23.24	23.11		
100	PI/2 BPSK	135	0	23.15	23.29	23.20	24.0	0.0
100	PI/2 BPSK	135	69	23.22	23.27	23.20	24.0	0.0
100	PI/2 BPSK	135	138	23.05	23.14	23.09	24.0	0.0
100	PI/2 BPSK	270	0	23.14	23.20	23.06		
100	QPSK	1	1	23.34	23.38	23.29	24.0	0.0
100	QPSK	1	137	23.18	23.31	23.21		
100	QPSK	1	271	23.22	23.33	23.22		
100	QPSK	135	0	23.15	23.26	23.20	24.0	0.0
100	QPSK	135	69	23.17	23.31	23.25	24.0	0.0
100	QPSK	135	138	23.13	23.21	23.16	24.0	0.0
100	QPSK	270	0	23.21	23.24	23.20		
100	16QAM	1	1	23.11	23.20	23.14	24.0	0.0
100	64QAM	1	1	22.80	22.92	22.87	24.0	0.0
100	256QAM	1	1	21.74	21.77	21.69	22.5	1.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	23.20	23.30	23.24	24.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	23.27	23.30	23.25	24.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	23.20	23.33	23.25	24.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	23.25	23.25	23.21	24.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	23.21	23.32	23.25	24.0	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	23.24	23.30	23.23	24.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	23.23	23.25	23.23	24.0	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	23.24	23.29	23.22	24.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	23.23	23.32	23.23	24.0	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	23.25	23.26	23.19	24.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	23.30	23.25	23.23	24.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	23.28	23.24	23.26	24.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	23.21	23.30	23.16	24.0	0.0

n41 HPUE Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	26.11	26.24	26.08	27.0	0.0
100	PI/2 BPSK	1	137	26.06	26.10	26.13		
100	PI/2 BPSK	1	271	25.95	25.99	25.94		
100	PI/2 BPSK	135	0	25.54	25.64	25.41	26.5	0.5
100	PI/2 BPSK	135	69	26.05	26.07	26.07	27.0	0.0
100	PI/2 BPSK	135	138	25.36	25.51	25.38	26.5	0.5
100	PI/2 BPSK	270	0	25.56	25.62	25.41		
100	QPSK	1	1	26.23	26.35	26.15	27.0	0.0
100	QPSK	1	137	26.15	26.16	26.05		
100	QPSK	1	271	26.10	26.14	26.01		
100	QPSK	135	0	25.08	25.05	24.93	26.0	1.0
100	QPSK	135	69	26.03	26.21	26.04	27.0	0.0
100	QPSK	135	138	25.11	25.22	25.05	26.0	1.0
100	QPSK	270	0	25.21	25.28	25.13		
100	16QAM	1	1	25.15	25.20	25.08	26.0	1.0
100	64QAM	1	1	23.85	23.97	23.89	24.5	2.5
100	256QAM	1	1	20.79	20.86	20.75	22.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	26.10	26.22	26.03	27.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	26.09	26.22	26.05	27.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	26.20	26.31	26.02	27.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	26.09	26.30	26.08	27.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	26.11	26.27	26.10	27.0	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	26.15	26.24	26.12	27.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	26.16	26.21	26.10	27.0	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	26.18	26.32	26.00	27.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	26.08	26.22	26.01	27.0	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	26.15	26.27	26.08	27.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	26.18	26.28	26.07	27.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	26.15	26.20	26.08	27.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	26.14	26.26	26.04	27.0	0.0

n2 Ant 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PI/2 BPSK	1	1	23.20	23.25	23.13	24.0	0.0
40	PI/2 BPSK	1	108	23.10	23.07	23.04		
40	PI/2 BPSK	1	214	22.98	23.03	22.93		
40	PI/2 BPSK	108	0	22.56	22.63	22.50	23.5	0.5
40	PI/2 BPSK	108	54	23.07	23.03	23.07	24.0	0.0
40	PI/2 BPSK	108	108	22.31	22.55	22.41	23.5	0.5
40	PI/2 BPSK	216	0	22.55	22.57	22.41		
40	QPSK	1	1	23.25	23.28	23.24	24.0	0.0
40	QPSK	1	108	23.23	23.20	23.06		
40	QPSK	1	214	22.99	23.16	23.00		
40	QPSK	108	0	22.05	22.08	21.91	23.0	1.0
40	QPSK	108	54	23.09	23.24	23.07	24.0	0.0
40	QPSK	108	108	22.06	22.13	21.98	23.0	1.0
40	QPSK	216	0	22.09	22.17	22.03		
40	16QAM	1	1	21.99	22.02	21.92	23.0	1.0
40	64QAM	1	1	20.66	20.64	20.46	21.5	2.5
40	256QAM	1	1	19.19	19.31	19.28	19.5	4.5
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	23.21	23.26	23.18	0.0	0.0
Channel				372000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	23.18	23.19	23.12	0.0	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	23.22	23.24	23.17	0.0	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	23.20	23.25	23.16	0.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	23.15	23.21	23.17	24.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	23.21	23.25	23.18	24.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	23.17	23.20	23.11	24.0	0.0

n7 Ant 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	23.42	23.42	23.34	24.0	0.0
50	PI/2 BPSK	1	135	23.30	23.33	23.30		
50	PI/2 BPSK	1	268	23.15	23.19	23.16		
50	PI/2 BPSK	135	0	22.73	22.84	22.69	23.5	0.5
50	PI/2 BPSK	135	68	23.25	23.26	23.23	24.0	0.0
50	PI/2 BPSK	135	135	22.51	22.71	22.68	23.5	0.5
50	PI/2 BPSK	270	0	22.77	22.76	22.60		
50	QPSK	1	1	23.47	23.54	23.44	24.0	0.0
50	QPSK	1	135	23.39	23.38	23.28		
50	QPSK	1	268	23.18	23.41	23.18		
50	QPSK	135	0	22.27	22.28	22.10	23.0	1.0
50	QPSK	135	68	23.26	23.49	23.34	24.0	0.0
50	QPSK	135	135	22.33	22.37	22.14	23.0	1.0
50	QPSK	270	0	22.25	22.43	22.25		
50	16QAM	1	1	22.03	22.18	22.08	23.0	1.0
50	64QAM	1	1	20.50	20.60	20.53	21.5	2.5
50	256QAM	1	1	18.96	19.06	18.93	19.5	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	23.41	23.49	23.37	24.0	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	23.39	23.45	23.34	0.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	23.33	23.51	23.33	24.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	23.40	23.43	23.40	24.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	23.38	23.47	23.36	24.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	23.39	23.50	23.37	24.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.39	23.45	23.35	24.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	23.37	23.48	23.39	24.0	0.0

n25 Ant 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	23.16	23.16	23.11	24.0	0.0
40	PI/2 BPSK	1	108	23.03	23.08	23.01		
40	PI/2 BPSK	1	214	22.94	22.99	22.89		
40	PI/2 BPSK	108	0	22.48	22.52	22.38	23.5	0.5
40	PI/2 BPSK	108	54	23.03	23.01	23.02	24.0	0.0
40	PI/2 BPSK	108	108	22.32	22.50	22.29	23.5	0.5
40	PI/2 BPSK	216	0	22.41	22.62	22.42		
40	QPSK	1	1	23.23	23.30	23.18	24.0	0.0
40	QPSK	1	108	23.12	23.14	22.98		
40	QPSK	1	214	23.03	23.10	23.00		
40	QPSK	108	0	22.01	22.09	21.84	23.0	1.0
40	QPSK	108	54	23.03	23.19	22.92	24.0	0.0
40	QPSK	108	108	21.98	21.99	21.97	23.0	1.0
40	QPSK	216	0	21.89	22.04	21.85		
40	16QAM	1	1	22.00	22.02	21.87	23.0	1.0
40	64QAM	1	1	20.64	20.62	20.47	21.5	2.5
40	256QAM	1	1	19.21	19.29	19.28	19.5	4.5
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1	23.16	23.20	23.14	24.0	0.0
Channel				372000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	23.17	23.25	23.15	24.0	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	23.15	23.23	23.05	24.0	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	23.17	23.21	23.13	24.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	23.17	23.18	23.13	24.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	23.19	23.22	23.11	24.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	23.09	23.24	23.10	24.0	0.0

n30 Ant 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					462000			
Frequency (MHz)					2310			
10	PI/2 BPSK	1	1		23.52		24.0	0.0
10	PI/2 BPSK	1	26		23.38			
10	PI/2 BPSK	1	50		23.38			
10	PI/2 BPSK	25	0		22.98		23.5	0.5
10	PI/2 BPSK	25	14		23.33		24.0	0.0
10	PI/2 BPSK	25	27		22.80		23.5	0.5
10	PI/2 BPSK	50	0		22.84			
10	QPSK	1	1		23.63		24.0	0.0
10	QPSK	1	26		23.46			
10	QPSK	1	50		23.45			
10	QPSK	25	0		22.37		23.0	1.0
10	QPSK	25	14		23.56		24.0	0.0
10	QPSK	25	27		22.42		23.0	1.0
10	QPSK	50	0		22.46			
10	16QAM	1	1		22.29		23.0	1.0
10	64QAM	1	1		20.78		21.5	2.5
10	256QAM	1	1		19.48		19.5	4.5
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	23.48	23.50	23.47	24.0	0.0

n66 Ant 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	22.99	23.12	22.93	24.0	0.0
40	PI/2 BPSK	1	108	22.96	22.93	22.99		
40	PI/2 BPSK	1	214	22.85	22.91	22.87		
40	PI/2 BPSK	108	0	22.39	22.45	22.34	23.5	0.5
40	PI/2 BPSK	108	54	22.93	22.99	22.87	24.0	0.0
40	PI/2 BPSK	108	108	22.20	22.33	22.16	23.5	0.5
40	PI/2 BPSK	216	0	22.38	22.53	22.25		
40	QPSK	1	1	23.14	23.18	23.02	24.0	0.0
40	QPSK	1	108	23.09	23.01	22.84		
40	QPSK	1	214	22.84	22.98	22.89		
40	QPSK	108	0	21.90	21.97	21.78	23.0	1.0
40	QPSK	108	54	22.87	23.11	22.85	24.0	0.0
40	QPSK	108	108	21.96	21.92	21.91	23.0	1.0
40	QPSK	216	0	21.87	21.97	21.74		
40	16QAM	1	1	21.87	21.83	21.66	23.0	1.0
40	64QAM	1	1	20.51	20.51	20.39	21.5	2.5
40	256QAM	1	1	19.08	19.13	19.15	19.5	4.5
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	23.00	23.09	22.90	24.0	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	23.04	23.03	22.90	24.0	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	23.07	23.06	22.96	24.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.01	23.11	22.87	24.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	22.99	23.12	22.97	24.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.02	23.09	22.89	24.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.10	23.05	22.99	24.0	0.0

n70 Ant 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					340500			
Frequency (MHz)					1702.5			
15	PI/2 BPSK	1	1		23.39		24.0	0.0
15	PI/2 BPSK	1	40		23.27			
15	PI/2 BPSK	1	77		23.28			
15	PI/2 BPSK	36	0		22.94		23.5	0.5
15	PI/2 BPSK	36	22		23.23		24.0	0.0
15	PI/2 BPSK	36	43		22.72		23.5	0.5
15	PI/2 BPSK	75	0		22.71			
15	QPSK	1	1		23.53		24.0	0.0
15	QPSK	1	40		23.34			
15	QPSK	1	77		23.33			
15	QPSK	36	0		22.30		23.0	1.0
15	QPSK	36	22		23.48		24.0	0.0
15	QPSK	36	43		22.33		23.0	1.0
15	QPSK	75	0		22.43			
15	16QAM	1	1		22.21		23.0	1.0
15	64QAM	1	1		20.68		21.5	2.5
	256QAM	1	1		19.33		19.5	4.5
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	23.41	23.48	23.39	24.0	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	23.32	23.39	23.28	24.0	0.0

n38 Ant 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	23.34	23.43	23.28	24.0	0.0
40	PI/2 BPSK	1	53	23.25	23.24	23.26		
40	PI/2 BPSK	1	104	23.09	23.23	23.12		
40	PI/2 BPSK	50	0	22.67	22.72	22.56	23.5	0.5
40	PI/2 BPSK	50	28	23.21	23.22	23.20	24.0	0.0
40	PI/2 BPSK	50	56	22.43	22.60	22.52	23.5	0.5
40	PI/2 BPSK	100	0	22.62	22.80	22.53		
40	QPSK	1	1	23.40	23.49	23.37	24.0	0.0
40	QPSK	1	53	23.38	23.35	23.09		
40	QPSK	1	104	23.19	23.37	23.17		
40	QPSK	50	0	22.24	22.25	22.10	23.0	1.0
40	QPSK	50	28	23.23	23.37	23.12	24.0	0.0
40	QPSK	50	56	22.16	22.18	22.11	23.0	1.0
40	QPSK	100	0	22.07	22.28	22.02		
40	16QAM	1	1	22.16	22.17	22.05	23.0	1.0
40	64QAM	1	1	20.80	20.77	20.65	21.5	2.5
40	256QAM	1	1	19.39	19.42	19.42	19.5	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	23.36	23.44	23.33	24.0	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	23.35	23.41	23.26	24.0	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	23.35	23.45	23.32	24.0	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	23.27	23.39	23.22	24.0	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	23.36	23.37	23.28	24.0	0.0

n41 Ant 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	21.33	21.40	21.31	22.0	0.0
100	PI/2 BPSK	1	137	21.29	21.34	21.29		
100	PI/2 BPSK	1	271	21.09	21.23	21.11		
100	PI/2 BPSK	135	0	21.17	21.20	21.09	22.0	0.0
100	PI/2 BPSK	135	69	21.13	21.25	21.21	22.0	0.0
100	PI/2 BPSK	135	138	21.11	21.21	21.17	22.0	0.0
100	PI/2 BPSK	270	0	21.19	21.25	21.20		
100	QPSK	1	1	21.40	21.46	21.38	22.0	0.0
100	QPSK	1	137	21.30	21.37	21.25		
100	QPSK	1	271	21.16	21.27	21.21		
100	QPSK	135	0	21.30	21.33	21.26	22.0	0.0
100	QPSK	135	69	21.27	21.40	21.34	22.0	0.0
100	QPSK	135	138	21.20	21.32	21.25	22.0	0.0
100	QPSK	270	0	21.22	21.35	21.28		
100	16QAM	1	1	21.09	21.21	21.14	22.0	0.0
100	64QAM	1	1	21.11	21.18	21.06	22.0	0.0
100	256QAM	1	1	19.74	19.87	19.82	20.5	1.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.34	21.42	21.33	22.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	21.36	21.35	21.29	22.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.37	21.39	21.29	22.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	21.33	21.34	21.24	22.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.36	21.33	21.33	22.0	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	21.34	21.40	21.30	22.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.28	21.38	21.35	22.0	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	21.25	21.35	21.31	22.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.32	21.37	21.29	22.0	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	21.35	21.39	21.33	22.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.29	21.41	21.28	22.0	0.0
Channel				500700	259299	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	1296.495	2682.48		
15	QPSK	1	1	21.26	21.37	21.29	22.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	21.31	21.40	21.33	22.0	0.0

n41 HPUE Ant 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	24.14	24.28	24.09	25.0	0.0
100	PI/2 BPSK	1	137	24.12	24.08	24.11		
100	PI/2 BPSK	1	271	23.96	24.06	23.98		
100	PI/2 BPSK	135	0	23.52	23.62	23.50	24.5	0.5
100	PI/2 BPSK	135	69	24.12	24.05	23.96	25.0	0.0
100	PI/2 BPSK	135	138	23.27	23.51	23.40	24.5	0.5
100	PI/2 BPSK	270	0	23.49	23.59	23.43		
100	QPSK	1	1	24.29	24.32	24.22	25.0	0.0
100	QPSK	1	137	24.21	24.20	24.07		
100	QPSK	1	271	24.04	24.16	23.96		
100	QPSK	135	0	23.10	23.08	22.91	24.0	1.0
100	QPSK	135	69	24.01	24.22	23.95	25.0	0.0
100	QPSK	135	138	23.03	23.05	22.97	24.0	1.0
100	QPSK	270	0	22.94	23.18	22.90		
100	16QAM	1	1	23.17	23.30	23.22	24.0	1.0
100	64QAM	1	1	21.76	21.89	21.79	22.5	2.5
100	256QAM	1	1	19.31	19.45	19.37	20.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	24.22	24.28	24.17	25.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	24.21	24.27	24.08	25.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	24.22	24.18	24.09	25.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	24.16	24.20	24.08	25.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	24.23	24.17	24.11	25.0	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	24.26	24.28	24.12	25.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	24.23	24.21	24.17	25.0	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	24.18	24.20	24.19	25.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	24.21	24.23	24.07	25.0	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	24.17	24.20	24.09	25.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	24.16	24.26	24.16	25.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	24.14	24.24	24.18	25.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	24.24	24.26	24.14	25.0	0.0

n48 Part 96 Ant 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	23.19	23.19	23.12	24.0	0.0
40	PI/2 BPSK	1	53	23.07	23.09	23.07		
40	PI/2 BPSK	1	104	23.03	23.00	22.94		
40	PI/2 BPSK	50	0	22.47	22.57	22.56	23.5	0.5
40	PI/2 BPSK	50	28	23.10	22.97	23.02	24.0	0.0
40	PI/2 BPSK	50	56	22.19	22.57	22.27	23.5	0.5
40	PI/2 BPSK	100	0	22.47	22.57	22.33		
40	QPSK	1	1	23.28	23.31	23.18	24.0	0.0
40	QPSK	1	53	23.15	23.10	23.01		
40	QPSK	1	104	23.07	23.17	22.94		
40	QPSK	50	0	22.00	22.10	21.96	23.0	1.0
40	QPSK	50	28	23.04	23.21	22.99	24.0	0.0
40	QPSK	50	56	21.98	22.08	21.96	23.0	1.0
40	QPSK	100	0	21.93	22.14	21.88		
40	16QAM	1	1	21.93	22.02	21.89	23.0	1.0
40	64QAM	1	1	20.62	20.62	20.47	21.5	2.5
40	256QAM	1	1	19.25	19.32	19.21	19.5	4.5
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3665.02	3624.99	3684.99		
30	QPSK	1	1	23.12	23.17	23.11	24.0	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	23.21	23.27	23.09	24.0	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	23.16	23.21	23.12	24.0	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	23.13	23.25	23.05	24.0	0.0

Part27O n77 Ant 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	23.28	23.26	23.13	24.0	0.0
100	PI/2 BPSK	1	137	23.17	23.18	23.13		
100	PI/2 BPSK	1	271	23.05	23.15	23.03		
100	PI/2 BPSK	135	0	23.02	23.09	23.07	24.0	0.0
100	PI/2 BPSK	135	69	23.12	23.20	23.10	24.0	0.0
100	PI/2 BPSK	135	138	22.98	23.05	23.06	24.0	0.0
100	PI/2 BPSK	270	0	23.09	23.18	22.95		
100	QPSK	1	1	23.25	23.32	23.30	24.0	0.0
100	QPSK	1	137	23.21	23.26	23.22		
100	QPSK	1	271	23.07	23.21	23.14		
100	QPSK	135	0	23.17	23.22	23.15	24.0	0.0
100	QPSK	135	69	23.22	23.27	23.18	24.0	0.0
100	QPSK	135	138	23.11	23.20	23.13	24.0	0.0
100	QPSK	270	0	23.15	23.23	23.16		
100	16QAM	1	1	23.09	23.18	23.11	24.0	0.0
100	64QAM	1	1	23.03	23.10	23.08	24.0	0.0
100	256QAM	1	1	21.66	21.78	21.72	22.5	1.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	23.18	23.19	23.16	24.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	23.17	23.20	23.24	24.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	23.09	23.26	23.17	24.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	23.14	23.15	23.15	24.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	23.09	23.16	23.18	24.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	23.08	23.21	23.12	24.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	23.15	23.26	23.17	24.0	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	23.14	23.14	23.23	24.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	23.17	23.20	23.19	24.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	23.09	23.25	23.12	24.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	23.19	23.21	23.19	24.0	0.0

Part27O n77 HPUE Ant 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	26.03	26.18	26.02	27.0	0.0
100	PI/2 BPSK	1	137	26.03	25.99	26.01		
100	PI/2 BPSK	1	271	25.86	25.96	25.88		
100	PI/2 BPSK	135	0	25.43	25.51	25.38	26.5	0.5
100	PI/2 BPSK	135	69	25.92	26.04	25.96	27.0	0.0
100	PI/2 BPSK	135	138	25.23	25.42	25.34	26.5	0.5
100	PI/2 BPSK	270	0	25.47	25.55	25.37		
100	QPSK	1	1	26.19	26.28	26.10	27.0	0.0
100	QPSK	1	137	26.11	26.06	25.97		
100	QPSK	1	271	25.87	26.17	25.94		
100	QPSK	135	0	24.95	25.11	24.83	26.0	1.0
100	QPSK	135	69	26.03	26.23	25.85	27.0	0.0
100	QPSK	135	138	24.97	24.99	24.86	26.0	1.0
100	QPSK	270	0	24.93	25.09	24.73		
100	16QAM	1	1	24.85	24.93	24.79	26.0	1.0
100	64QAM	1	1	23.48	23.56	23.40	24.5	2.5
100	256QAM	1	1	21.08	21.17	21.17	22.5	4.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	26.10	26.14	26.00	27.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	26.02	26.13	25.94	27.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	26.08	26.10	26.04	27.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	26.10	26.12	26.02	27.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	26.06	26.11	25.92	27.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	26.04	26.10	25.95	27.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	26.06	26.16	25.97	27.0	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	26.04	26.10	25.96	27.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	26.06	26.11	25.99	27.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	26.05	26.14	25.94	27.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	26.11	26.14	25.96	27.0	0.0

Part27Q n77 Ant 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		23.37		24.0	0.0
100	PI/2 BPSK	1	137		23.40			
100	PI/2 BPSK	1	271		23.28			
100	PI/2 BPSK	135	0		23.25		24.0	0.0
100	PI/2 BPSK	135	69		23.35		24.0	0.0
100	PI/2 BPSK	135	138		23.19		24.0	0.0
100	PI/2 BPSK	270	0		23.32			
100	QPSK	1	1		23.45		24.0	0.0
100	QPSK	1	137		23.34			
100	QPSK	1	271		23.33			
100	QPSK	135	0		23.36		24.0	0.0
100	QPSK	135	69		23.37		24.0	0.0
100	QPSK	135	138		23.29		24.0	0.0
100	QPSK	270	0		23.32			
100	16QAM	1	1		23.14		24.0	0.0
100	64QAM	1	1		22.90		24.0	0.0
100	256QAM	1	1		21.97		22.5	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3498	3500.01	3505.02		
90	QPSK	1	1	23.28	23.36	23.32	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	23.14	23.29	23.21	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	23.17	23.18	23.25	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	23.13	23.23	23.26	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	23.12	23.24	23.20	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	23.12	23.21	23.17	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	23.11	23.23	23.14	24.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	23.20	23.18	23.16	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	23.16	23.21	23.25	24.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	23.13	23.27	23.18	24.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	23.21	23.28	23.23	24.0	0.0

Part27Q n77 HPUE Ant 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		26.16		27.0	0.0
100	PI/2 BPSK	1	137		26.15			
100	PI/2 BPSK	1	271		25.98			
100	PI/2 BPSK	135	0		25.60		26.5	0.5
100	PI/2 BPSK	135	69		26.08		27.0	0.0
100	PI/2 BPSK	135	138		25.54		26.5	0.5
100	PI/2 BPSK	270	0		25.77			
100	QPSK	1	1		26.30		27.0	0.0
100	QPSK	1	137		26.13			
100	QPSK	1	271		26.10			
100	QPSK	135	0		25.07		26.0	1.0
100	QPSK	135	69		26.20		27.0	0.0
100	QPSK	135	138		25.09		26.0	1.0
100	QPSK	270	0		25.11			
100	16QAM	1	1		24.69		26.0	1.0
100	64QAM	1	1		23.37		24.5	2.5
100	256QAM	1	1		21.44		22.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	26.11	26.20	26.13	27.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	26.01	26.06	26.03	27.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	26.01	26.04	26.05	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	25.96	26.10	25.99	27.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	26.03	26.10	25.97	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	25.96	26.06	25.97	27.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	26.03	26.05	25.98	27.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	26.03	26.08	26.04	27.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	25.96	26.12	25.99	27.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	25.96	26.04	26.05	27.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	26.01	26.06	25.99	27.0	0.0

Part27O n78 Ant 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		23.10		24.0	0.0
100	PI/2 BPSK	1	137		23.11			
100	PI/2 BPSK	1	271		22.98			
100	PI/2 BPSK	135	0		22.97		24.0	0.0
100	PI/2 BPSK	135	69		23.13		24.0	0.0
100	PI/2 BPSK	135	138		22.92		24.0	0.0
100	PI/2 BPSK	270	0		23.01			
100	QPSK	1	1		23.23		24.0	0.0
100	QPSK	1	137		23.20			
100	QPSK	1	271		23.04			
100	QPSK	135	0		23.13		24.0	0.0
100	QPSK	135	69		23.16		24.0	0.0
100	QPSK	135	138		23.08		24.0	0.0
100	QPSK	270	0		23.11			
100	16QAM	1	1		23.06		24.0	0.0
100	64QAM	1	1		22.97		24.0	0.0
100	256QAM	1	1		21.78		22.5	1.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	23.12	23.15	23.09	24.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	23.01	23.08	22.95	24.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	22.97	23.08	22.97	24.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	23.01	23.02	23.02	24.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	22.97	23.00	23.01	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	23.04	23.00	22.92	24.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	23.00	23.05	22.93	24.0	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	22.94	23.03	22.93	24.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	23.03	23.06	22.98	24.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	23.03	23.09	22.91	24.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	23.00	23.06	22.93	24.0	0.0

Part27O n78 HPUE Ant 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		26.06		27.0	0.0
100	PI/2 BPSK	1	137		25.91			
100	PI/2 BPSK	1	271		25.78			
100	PI/2 BPSK	135	0		25.43		26.5	0.5
100	PI/2 BPSK	135	69		25.98		27.0	0.0
100	PI/2 BPSK	135	138		25.36		26.5	0.5
100	PI/2 BPSK	270	0		25.46			
100	QPSK	1	1		26.13		27.0	0.0
100	QPSK	1	137		25.91			
100	QPSK	1	271		26.05			
100	QPSK	135	0		25.03		26.0	1.0
100	QPSK	135	69		26.13		27.0	0.0
100	QPSK	135	138		24.83		26.0	1.0
100	QPSK	270	0		24.95			
100	16QAM	1	1		24.82		26.0	1.0
100	64QAM	1	1		23.40		24.5	2.5
100	256QAM	1	1		21.05		22.5	4.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	25.93	25.98	25.92	27.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	25.97	25.98	25.90	27.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	25.97	25.99	25.93	27.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	25.99	25.98	25.93	27.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	25.96	26.04	25.84	27.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	25.95	26.07	25.91	27.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	26.00	25.96	25.86	27.0	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	25.93	26.01	25.91	27.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	26.02	25.98	25.85	27.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	25.94	25.99	25.83	27.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	25.96	25.97	25.83	27.0	0.0

Part27Q n78 Ant 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		23.28		24.0	0.0
100	PI/2 BPSK	1	137		23.25			
100	PI/2 BPSK	1	271		23.11			
100	PI/2 BPSK	135	0		23.07		24.0	0.0
100	PI/2 BPSK	135	69		23.20		24.0	0.0
100	PI/2 BPSK	135	138		23.06		24.0	0.0
100	PI/2 BPSK	270	0		23.15			
100	QPSK	1	1		23.36		24.0	0.0
100	QPSK	1	137		23.22			
100	QPSK	1	271		23.21			
100	QPSK	135	0		23.14		24.0	0.0
100	QPSK	135	69		23.30		24.0	0.0
100	QPSK	135	138		23.23		24.0	0.0
100	QPSK	270	0		23.27			
100	16QAM	1	1		23.13		24.0	0.0
100	64QAM	1	1		22.98		24.0	0.0
100	256QAM	1	1		21.88		22.5	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	23.17	23.21	23.21	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	23.11	23.23	23.16	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	23.21	23.19	23.20	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	23.15	23.25	23.24	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	23.17	23.28	23.25	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	23.19	23.28	23.21	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	23.18	23.28	23.21	24.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	23.19	23.25	23.25	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	23.12	23.26	23.24	24.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	23.20	23.26	23.18	24.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	23.18	23.23	23.23	24.0	0.0

Part27Q n78 HPUE Ant 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		26.08		27.0	0.0
100	PI/2 BPSK	1	137		26.02			
100	PI/2 BPSK	1	271		25.81			
100	PI/2 BPSK	135	0		25.46		26.5	0.5
100	PI/2 BPSK	135	69		25.95		27.0	0.0
100	PI/2 BPSK	135	138		25.43		26.5	0.5
100	PI/2 BPSK	270	0		25.66			
100	QPSK	1	1		26.14		27.0	0.0
100	QPSK	1	137		25.99			
100	QPSK	1	271		26.02			
100	QPSK	135	0		24.99		26.0	1.0
100	QPSK	135	69		26.07		27.0	0.0
100	QPSK	135	138		24.93		26.0	1.0
100	QPSK	270	0		25.00			
100	16QAM	1	1		24.60		26.0	1.0
100	64QAM	1	1		23.20		24.5	2.5
100	256QAM	1	1		21.27		22.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	26.05	26.09	25.97	27.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	26.02	26.05	26.01	27.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	25.96	26.11	25.98	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	25.99	26.10	26.00	27.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	26.04	26.06	25.98	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	26.00	26.06	26.04	27.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	25.99	26.11	26.01	27.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	25.94	26.11	26.06	27.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	26.04	26.03	26.04	27.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	26.02	26.07	25.96	27.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	25.97	26.06	26.01	27.0	0.0

n48 Part 96 Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	23.33	23.48	23.30	25.0	0.0
40	PI/2 BPSK	1	53	23.31	23.33	23.29		
40	PI/2 BPSK	1	104	23.21	23.23	23.15		
40	PI/2 BPSK	50	0	22.75	22.81	22.65	24.5	0.5
40	PI/2 BPSK	50	28	23.33	23.29	23.24	25.0	0.0
40	PI/2 BPSK	50	56	22.67	22.73	22.65	24.5	0.5
40	PI/2 BPSK	100	0	22.72	22.86	22.64		
40	QPSK	1	1	23.43	23.51	23.39	25.0	0.0
40	QPSK	1	53	23.44	23.36	23.26		
40	QPSK	1	104	23.28	23.33	23.20		
40	QPSK	50	0	22.23	22.29	22.07	24.0	1.0
40	QPSK	50	28	23.27	23.50	23.18	25.0	0.0
40	QPSK	50	56	22.26	22.33	22.26	24.0	1.0
40	QPSK	100	0	22.22	22.30	22.10		
40	16QAM	1	1	22.16	22.17	22.08	24.0	1.0
40	64QAM	1	1	20.92	20.86	20.65	22.5	2.5
40	256QAM	1	1	19.39	19.46	19.44	20.5	4.5
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	23.36	23.37	23.31	25.0	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	23.38	23.40	23.24	25.0	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	23.40	23.38	23.26	25.0	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	23.31	23.43	23.31	25.0	0.0

Part27O n77 Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	23.25	23.39	23.31	24.0	0.0
100	PI/2 BPSK	1	137	23.30	23.39	23.27		
100	PI/2 BPSK	1	271	23.21	23.25	23.16		
100	PI/2 BPSK	135	0	23.19	23.23	23.19	24.0	0.0
100	PI/2 BPSK	135	69	23.18	23.22	23.07	24.0	0.0
100	PI/2 BPSK	135	138	23.13	23.21	23.09	24.0	0.0
100	PI/2 BPSK	270	0	23.12	23.21	23.09		
100	QPSK	1	1	23.35	23.44	23.39	24.0	0.0
100	QPSK	1	137	23.26	23.32	23.26		
100	QPSK	1	271	23.16	23.27	23.13		
100	QPSK	135	0	23.19	23.26	23.23	24.0	0.0
100	QPSK	135	69	23.25	23.31	23.24	24.0	0.0
100	QPSK	135	138	23.12	23.24	23.18	24.0	0.0
100	QPSK	270	0	23.20	23.27	23.21		
100	16QAM	1	1	23.12	23.21	23.17	24.0	0.0
100	64QAM	1	1	23.04	23.15	23.09	24.0	0.0
100	256QAM	1	1	21.89	21.96	21.93	22.5	1.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	23.21	23.40	23.25	24.0	0.0
Channel				648334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	23.24	23.41	23.33	24.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	23.21	23.40	23.34	24.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	23.25	23.37	23.28	24.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	23.28	23.40	23.34	24.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	23.23	23.33	23.30	24.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	23.25	23.31	23.26	24.0	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	23.28	23.34	23.30	24.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	23.22	23.30	23.35	24.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	23.30	23.37	23.26	24.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	23.30	23.30	23.27	24.0	0.0

Part27O n77 HPUE Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	26.25	26.31	26.27	27.0	0.0
100	PI/2 BPSK	1	137	26.16	26.16	26.20		
100	PI/2 BPSK	1	271	26.07	26.18	26.12		
100	PI/2 BPSK	135	0	25.62	25.76	25.63	26.5	0.5
100	PI/2 BPSK	135	69	26.20	26.22	26.11	27.0	0.0
100	PI/2 BPSK	135	138	25.63	25.66	25.59	26.5	0.5
100	PI/2 BPSK	270	0	25.56	25.77	25.57		
100	QPSK	1	1	26.37	26.46	26.33	27.0	0.0
100	QPSK	1	137	26.29	26.30	26.15		
100	QPSK	1	271	26.16	26.26	26.17		
100	QPSK	135	0	25.17	25.18	25.06	26.0	1.0
100	QPSK	135	69	26.13	26.34	26.16	27.0	0.0
100	QPSK	135	138	25.22	25.20	25.14	26.0	1.0
100	QPSK	270	0	25.08	25.25	25.13		
100	16QAM	1	1	25.05	25.09	25.07	26.0	1.0
100	64QAM	1	1	23.75	23.77	23.63	24.5	2.5
100	256QAM	1	1	22.35	22.37	22.42	22.5	4.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	26.34	26.33	26.28	27.0	0.0
Channel				648334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	26.22	26.39	26.21	27.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	26.27	26.43	26.20	27.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	26.24	26.34	26.22	27.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	26.30	26.37	26.28	27.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	26.33	26.34	26.20	27.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	26.25	26.38	26.28	27.0	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	26.28	26.41	26.28	27.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	26.26	26.38	26.23	27.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	26.32	26.42	26.20	27.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	26.30	26.32	26.27	27.0	0.0

Part27Q n77 Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		23.62		24.0	0.0
100	PI/2 BPSK	1	137		23.52			
100	PI/2 BPSK	1	271		23.53			
100	PI/2 BPSK	135	0		23.25		24.0	0.0
100	PI/2 BPSK	135	69		23.59		24.0	0.0
100	PI/2 BPSK	135	138		23.23		24.0	0.0
100	PI/2 BPSK	270	0		23.24			
100	QPSK	1	1		23.77		24.0	0.0
100	QPSK	1	137		23.65			
100	QPSK	1	271		23.69			
100	QPSK	135	0		23.67		24.0	0.0
100	QPSK	135	69		23.68		24.0	0.0
100	QPSK	135	138		23.59		24.0	0.0
100	QPSK	270	0		23.63			
100	16QAM	1	1		23.57		24.0	0.0
100	64QAM	1	1		23.51		24.0	0.0
100	256QAM	1	1		22.16		22.5	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	23.57	23.68	23.62	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	23.57	23.70	23.52	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	23.65	23.74	23.59	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	23.59	23.71	23.51	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	23.62	23.70	23.58	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	23.62	23.64	23.53	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	23.63	23.63	23.56	24.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	23.64	23.66	23.51	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	23.64	23.73	23.57	24.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	23.62	23.70	23.55	24.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	23.63	23.65	23.55	24.0	0.0

Part27Q n77 HPUE Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		26.60		27.0	0.0
100	PI/2 BPSK	1	137		26.58			
100	PI/2 BPSK	1	271		26.35			
100	PI/2 BPSK	135	0		25.97		26.5	0.5
100	PI/2 BPSK	135	69		26.52		27.0	0.0
100	PI/2 BPSK	135	138		25.89		26.5	0.5
100	PI/2 BPSK	270	0		26.08			
100	QPSK	1	1		26.74		27.0	0.0
100	QPSK	1	137		26.55			
100	QPSK	1	271		26.57			
100	QPSK	135	0		25.46		26.0	1.0
100	QPSK	135	69		26.58		27.0	0.0
100	QPSK	135	138		25.43		26.0	1.0
100	QPSK	270	0		25.53			
100	16QAM	1	1		25.14		26.0	1.0
100	64QAM	1	1		23.69		24.5	2.5
100	256QAM	1	1		22.27		22.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	26.66	26.66	26.61	27.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	26.58	26.68	26.60	27.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	26.60	26.69	26.59	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	26.62	26.65	26.56	27.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	26.59	26.66	26.54	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	26.58	26.62	26.56	27.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	26.56	26.65	26.56	27.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	26.64	26.61	26.56	27.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	26.64	26.65	26.54	27.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	26.57	26.71	26.58	27.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	26.65	26.66	26.54	27.0	0.0

Part27O n78 Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		23.30		24.0	0.0
100	PI/2 BPSK	1	137		23.31			
100	PI/2 BPSK	1	271		23.14			
100	PI/2 BPSK	135	0		23.11		24.0	0.0
100	PI/2 BPSK	135	69		23.07		24.0	0.0
100	PI/2 BPSK	135	138		23.14		24.0	0.0
100	PI/2 BPSK	270	0		23.14			
100	QPSK	1	1		23.33		24.0	0.0
100	QPSK	1	137		23.21			
100	QPSK	1	271		23.16			
100	QPSK	135	0		23.20		24.0	0.0
100	QPSK	135	69		23.25		24.0	0.0
100	QPSK	135	138		23.15		24.0	0.0
100	QPSK	270	0		23.19			
100	16QAM	1	1		23.13		24.0	0.0
100	64QAM	1	1		23.08		24.0	0.0
100	256QAM	1	1		21.84		22.5	1.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	23.08	23.24	23.12	24.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	23.11	23.26	23.17	24.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	23.09	23.27	23.13	24.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	23.07	23.31	23.18	24.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	23.10	23.30	23.10	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	23.13	23.25	23.12	24.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	23.09	23.27	23.11	24.0	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	23.15	23.27	23.18	24.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	23.05	23.25	23.11	24.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	23.06	23.29	23.18	24.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	23.14	23.22	23.15	24.0	0.0

Part27O n78 HPUE Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		26.36		27.0	0.0
100	PI/2 BPSK	1	137		26.28			
100	PI/2 BPSK	1	271		26.11			
100	PI/2 BPSK	135	0		25.74		26.5	0.5
100	PI/2 BPSK	135	69		26.15		27.0	0.0
100	PI/2 BPSK	135	138		25.64		26.5	0.5
100	PI/2 BPSK	270	0		25.86			
100	QPSK	1	1		26.41		27.0	0.0
100	QPSK	1	137		26.27			
100	QPSK	1	271		26.29			
100	QPSK	135	0		25.27		26.0	1.0
100	QPSK	135	69		26.34		27.0	0.0
100	QPSK	135	138		25.23		26.0	1.0
100	QPSK	270	0		25.30			
100	16QAM	1	1		25.06		26.0	1.0
100	64QAM	1	1		23.66		24.5	2.5
100	256QAM	1	1		22.00		22.5	4.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	26.16	26.21	26.16	27.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	26.20	26.13	26.07	27.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	26.16	26.16	26.15	27.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	26.15	26.21	26.14	27.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	26.18	26.15	26.10	27.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	26.21	26.15	26.13	27.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	26.25	26.18	26.18	27.0	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	26.22	26.19	26.10	27.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	26.24	26.19	26.19	27.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	26.20	26.21	26.14	27.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	26.17	26.19	26.08	27.0	0.0

Part27Q n78 Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		23.54		24.0	0.0
100	PI/2 BPSK	1	137		23.40			
100	PI/2 BPSK	1	271		23.45			
100	PI/2 BPSK	135	0		23.17		24.0	0.0
100	PI/2 BPSK	135	69		23.42		24.0	0.0
100	PI/2 BPSK	135	138		23.07		24.0	0.0
100	PI/2 BPSK	270	0		23.15			
100	QPSK	1	1		23.69		24.0	0.0
100	QPSK	1	137		23.57			
100	QPSK	1	271		23.62			
100	QPSK	135	0		23.55		24.0	0.0
100	QPSK	135	69		23.56		24.0	0.0
100	QPSK	135	138		23.49		24.0	0.0
100	QPSK	270	0		23.52			
100	16QAM	1	1		23.45		24.0	0.0
100	64QAM	1	1		23.33		24.0	0.0
100	256QAM	1	1		22.17		22.5	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	23.45	23.62	23.54	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	23.48	23.55	23.58	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	23.50	23.63	23.53	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	23.47	23.64	23.51	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	23.48	23.62	23.57	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	23.45	23.64	23.57	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	23.53	23.59	23.52	24.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	23.48	23.53	23.50	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	23.48	23.58	23.54	24.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	23.45	23.56	23.48	24.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	23.42	23.58	23.48	24.0	0.0

Part27Q n78 HPUE Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		26.65		27.0	0.0
100	PI/2 BPSK	1	137		26.56			
100	PI/2 BPSK	1	271		26.30			
100	PI/2 BPSK	135	0		25.97		26.5	0.5
100	PI/2 BPSK	135	69		26.44		27.0	0.0
100	PI/2 BPSK	135	138		25.77		26.5	0.5
100	PI/2 BPSK	270	0		25.96			
100	QPSK	1	1		26.66		27.0	0.0
100	QPSK	1	137		26.48			
100	QPSK	1	271		26.56			
100	QPSK	135	0		25.35		26.0	1.0
100	QPSK	135	69		26.61		27.0	0.0
100	QPSK	135	138		25.50		26.0	1.0
100	QPSK	270	0		25.44			
100	16QAM	1	1		25.03		26.0	1.0
100	64QAM	1	1		23.73		24.5	2.5
100	256QAM	1	1		22.10		22.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	26.59	26.51	26.48	27.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	26.53	26.59	26.55	27.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	26.57	26.55	26.53	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	26.60	26.56	26.46	27.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	26.58	26.58	26.48	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	26.61	26.58	26.52	27.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	26.59	26.55	26.56	27.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	26.58	26.59	26.47	27.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	26.55	26.57	26.52	27.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	26.52	26.56	26.48	27.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	26.60	26.59	26.51	27.0	0.0

n48 Part 96 Ant 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	21.32	21.30	21.27	22.0	0.0
40	PI/2 BPSK	1	53	21.24	21.21	21.25		
40	PI/2 BPSK	1	104	21.13	21.13	21.03		
40	PI/2 BPSK	50	0	20.63	20.73	20.62	21.5	0.5
40	PI/2 BPSK	50	28	21.20	21.17	21.12	22.0	0.0
40	PI/2 BPSK	50	56	20.40	20.58	20.49	21.5	0.5
40	PI/2 BPSK	100	0	20.66	20.78	20.56		
40	QPSK	1	1	21.35	21.44	21.31	22.0	0.0
40	QPSK	1	53	21.31	21.31	21.09		
40	QPSK	1	104	21.11	21.24	21.16		
40	QPSK	50	0	20.15	20.24	20.00	21.0	1.0
40	QPSK	50	28	21.17	21.40	21.11	22.0	0.0
40	QPSK	50	56	20.10	20.21	20.16	21.0	1.0
40	QPSK	100	0	20.04	20.27	19.98		
40	16QAM	1	1	20.14	20.16	19.93	21.0	1.0
40	64QAM	1	1	18.73	18.69	18.64	19.5	2.5
40	256QAM	1	1	17.37	17.36	17.42	17.5	4.5
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	21.26	21.29	21.25	22.0	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	21.28	21.40	21.23	22.0	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	21.32	21.38	21.25	22.0	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	21.21	21.30	21.22	22.0	0.0

Part27O n77 Ant 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.94	21.03	20.91	22.0	0.0
100	PI/2 BPSK	1	137	20.92	21.00	20.96		
100	PI/2 BPSK	1	271	20.83	20.94	20.83		
100	PI/2 BPSK	135	0	20.81	20.91	20.79	22.0	0.0
100	PI/2 BPSK	135	69	20.80	20.89	20.74	22.0	0.0
100	PI/2 BPSK	135	138	20.72	20.86	20.81	22.0	0.0
100	PI/2 BPSK	270	0	20.84	20.93	20.84		
100	QPSK	1	1	21.02	21.09	20.99	22.0	0.0
100	QPSK	1	137	20.96	21.05	21.00		
100	QPSK	1	271	20.95	21.04	20.93		
100	QPSK	135	0	20.91	21.02	21.00	22.0	0.0
100	QPSK	135	69	20.99	21.07	21.03	22.0	0.0
100	QPSK	135	138	20.90	21.00	20.92	22.0	0.0
100	QPSK	270	0	20.95	21.03	20.96		
100	16QAM	1	1	20.89	20.95	20.84	22.0	0.0
100	64QAM	1	1	20.78	20.91	20.82	22.0	0.0
100	256QAM	1	1	19.38	19.47	19.41	20.5	1.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	20.96	20.97	20.91	22.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	20.91	21.03	20.88	22.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	20.88	20.97	20.91	22.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	20.90	20.96	20.91	22.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	20.88	21.03	20.90	22.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	20.90	20.97	20.94	22.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	20.90	21.03	20.87	22.0	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	20.87	20.97	20.91	22.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	20.95	21.02	20.86	22.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	20.95	20.98	20.85	22.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	20.96	21.05	20.87	22.0	0.0

Part27O n77 HPUE Ant 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	23.82	23.83	23.70	25.0	0.0
100	PI/2 BPSK	1	137	23.70	23.73	23.64		
100	PI/2 BPSK	1	271	23.65	23.64	23.54		
100	PI/2 BPSK	135	0	23.10	23.19	23.11	24.5	0.5
100	PI/2 BPSK	135	69	23.70	23.69	23.56	25.0	0.0
100	PI/2 BPSK	135	138	22.94	23.15	23.01	24.5	0.5
100	PI/2 BPSK	270	0	23.12	23.20	23.01		
100	QPSK	1	1	23.87	23.92	23.81	25.0	0.0
100	QPSK	1	137	23.84	23.75	23.62		
100	QPSK	1	271	23.58	23.74	23.58		
100	QPSK	135	0	22.66	22.66	22.49	24.0	1.0
100	QPSK	135	69	23.63	23.84	23.58	25.0	0.0
100	QPSK	135	138	22.65	22.66	22.56	24.0	1.0
100	QPSK	270	0	22.60	22.74	22.46		
100	16QAM	1	1	22.59	22.66	22.41	24.0	1.0
100	64QAM	1	1	21.30	21.25	21.17	22.5	2.5
100	256QAM	1	1	19.31	19.39	19.24	20.5	4.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	23.78	23.79	23.75	25.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	23.79	23.87	23.73	25.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	23.80	23.77	23.77	25.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	23.76	23.83	23.69	25.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	23.83	23.81	23.77	25.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	23.83	23.86	23.77	25.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	23.81	23.85	23.68	25.0	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	23.73	23.82	23.73	25.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	23.73	23.79	23.77	25.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	23.73	23.88	23.69	25.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	23.77	23.86	23.74	25.0	0.0

Part27Q n77 Ant 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.37		22.0	0.0
100	PI/2 BPSK	1	137		21.38			
100	PI/2 BPSK	1	271		21.28			
100	PI/2 BPSK	135	0		21.25		22.0	0.0
100	PI/2 BPSK	135	69		21.16		22.0	0.0
100	PI/2 BPSK	135	138		21.18		22.0	0.0
100	PI/2 BPSK	270	0		21.17			
100	QPSK	1	1		21.41		22.0	0.0
100	QPSK	1	137		21.38			
100	QPSK	1	271		21.30			
100	QPSK	135	0		21.24		22.0	0.0
100	QPSK	135	69		21.34		22.0	0.0
100	QPSK	135	138		21.21		22.0	0.0
100	QPSK	270	0		21.29			
100	16QAM	1	1		21.23		22.0	0.0
100	64QAM	1	1		21.16		22.0	0.0
100	256QAM	1	1		19.89		20.5	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.31	21.36	21.26	22.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.20	21.30	21.23	22.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.29	21.38	21.28	22.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.24	21.26	21.26	22.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.24	21.33	21.30	22.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.26	21.38	21.25	22.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.31	21.34	21.25	22.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	21.25	21.27	21.32	22.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.29	21.34	21.26	22.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	21.24	21.32	21.29	22.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	21.29	21.35	21.25	22.0	0.0

Part27Q n77 HPUE Ant 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		24.10		25.0	0.0
100	PI/2 BPSK	1	137		24.07			
100	PI/2 BPSK	1	271		23.93			
100	PI/2 BPSK	135	0		23.54		24.5	0.5
100	PI/2 BPSK	135	69		23.94		25.0	0.0
100	PI/2 BPSK	135	138		23.42		24.5	0.5
100	PI/2 BPSK	270	0		23.55			
100	QPSK	1	1		24.25		25.0	0.0
100	QPSK	1	137		24.05			
100	QPSK	1	271		24.10			
100	QPSK	135	0		23.03		24.0	1.0
100	QPSK	135	69		24.20		25.0	0.0
100	QPSK	135	138		23.07		24.0	1.0
100	QPSK	270	0		23.15			
100	16QAM	1	1		23.03		24.0	1.0
100	64QAM	1	1		21.96		22.5	2.5
100	256QAM	1	1		19.10		20.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	24.09	24.17	24.06	25.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	24.08	24.15	24.08	25.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	24.17	24.21	24.11	25.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	24.09	24.11	24.09	25.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	24.15	24.18	24.12	25.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	24.08	24.18	24.04	25.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	24.12	24.17	24.04	25.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	24.07	24.10	24.11	25.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	24.09	24.18	24.10	25.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	24.11	24.16	24.08	25.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	24.12	24.21	24.03	25.0	0.0

Part27O n78 Ant 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		20.88		22.0	0.0
100	PI/2 BPSK	1	137		20.86			
100	PI/2 BPSK	1	271		20.77			
100	PI/2 BPSK	135	0		20.78		22.0	0.0
100	PI/2 BPSK	135	69		20.77		22.0	0.0
100	PI/2 BPSK	135	138		20.78		22.0	0.0
100	PI/2 BPSK	270	0		20.77			
100	QPSK	1	1		21.02		22.0	0.0
100	QPSK	1	137		20.92			
100	QPSK	1	271		20.86			
100	QPSK	135	0		20.91		22.0	0.0
100	QPSK	135	69		20.93		22.0	0.0
100	QPSK	135	138		20.84		22.0	0.0
100	QPSK	270	0		20.89			
100	16QAM	1	1		20.81		22.0	0.0
100	64QAM	1	1		20.76		22.0	0.0
100	256QAM	1	1		19.64		20.5	1.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	20.91	20.90	20.85	22.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	20.87	20.96	20.88	22.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	20.92	20.93	20.90	22.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	20.90	20.93	20.81	22.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	20.90	20.93	20.89	22.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	20.96	20.86	20.90	22.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	20.91	20.97	20.81	22.0	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	20.88	20.85	20.86	22.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	20.93	20.85	20.82	22.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	20.92	20.90	20.83	22.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	20.89	20.91	20.84	22.0	0.0

Part27O n78 HPUE Ant 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		23.78		25.0	0.0
100	PI/2 BPSK	1	137		23.76			
100	PI/2 BPSK	1	271		23.63			
100	PI/2 BPSK	135	0		23.15		24.5	0.5
100	PI/2 BPSK	135	69		23.51		25.0	0.0
100	PI/2 BPSK	135	138		23.08		24.5	0.5
100	PI/2 BPSK	270	0		23.15			
100	QPSK	1	1		23.86		25.0	0.0
100	QPSK	1	137		23.70			
100	QPSK	1	271		23.71			
100	QPSK	135	0		22.68		24.0	1.0
100	QPSK	135	69		23.78		25.0	0.0
100	QPSK	135	138		22.83		24.0	1.0
100	QPSK	270	0		22.86			
100	16QAM	1	1		22.93		24.0	1.0
100	64QAM	1	1		21.56		22.5	2.5
100	256QAM	1	1		19.32		20.5	4.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	23.72	23.73	23.64	25.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	23.73	23.64	23.64	25.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	23.71	23.68	23.66	25.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	23.71	23.65	23.61	25.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	23.73	23.66	23.66	25.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	23.68	23.66	23.70	25.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	23.62	23.69	23.60	25.0	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	23.71	23.69	23.67	25.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	23.62	23.70	23.62	25.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	23.63	23.73	23.62	25.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	23.73	23.71	23.66	25.0	0.0

Part27Q n78 Ant 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.20		22.0	0.0
100	PI/2 BPSK	1	137		21.27			
100	PI/2 BPSK	1	271		21.16			
100	PI/2 BPSK	135	0		21.11		22.0	0.0
100	PI/2 BPSK	135	69		20.99		22.0	0.0
100	PI/2 BPSK	135	138		21.02		22.0	0.0
100	PI/2 BPSK	270	0		21.04			
100	QPSK	1	1		21.31		22.0	0.0
100	QPSK	1	137		21.22			
100	QPSK	1	271		21.13			
100	QPSK	135	0		21.15		22.0	0.0
100	QPSK	135	69		21.21		22.0	0.0
100	QPSK	135	138		21.11		22.0	0.0
100	QPSK	270	0		21.18			
100	16QAM	1	1		21.10		22.0	0.0
100	64QAM	1	1		21.03		22.0	0.0
100	256QAM	1	1		19.79		20.5	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.18	21.19	21.16	22.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.19	21.21	21.16	22.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.23	21.26	21.13	22.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.15	21.25	21.18	22.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.23	21.29	21.20	22.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.23	21.28	21.18	22.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.17	21.21	21.11	22.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	21.16	21.27	21.12	22.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.18	21.20	21.17	22.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	21.14	21.21	21.19	22.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	21.22	21.19	21.18	22.0	0.0

Part27Q n78 HPUE Ant 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		24.11		25.0	0.0
100	PI/2 BPSK	1	137		24.06			
100	PI/2 BPSK	1	271		23.79			
100	PI/2 BPSK	135	0		23.47		24.5	0.5
100	PI/2 BPSK	135	69		23.89		25.0	0.0
100	PI/2 BPSK	135	138		23.45		24.5	0.5
100	PI/2 BPSK	270	0		23.45			
100	QPSK	1	1		24.21		25.0	0.0
100	QPSK	1	137		24.01			
100	QPSK	1	271		24.07			
100	QPSK	135	0		22.90		24.0	1.0
100	QPSK	135	69		24.06		25.0	0.0
100	QPSK	135	138		23.00		24.0	1.0
100	QPSK	270	0		23.04			
100	16QAM	1	1		23.10		24.0	1.0
100	64QAM	1	1		21.76		22.5	2.5
100	256QAM	1	1		18.78		20.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	23.98	24.09	23.94	25.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	23.97	24.13	24.00	25.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	24.05	24.09	23.99	25.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	24.05	24.10	23.93	25.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	24.03	24.08	24.00	25.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	24.03	24.13	23.95	25.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	24.03	24.10	23.94	25.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	23.95	24.08	24.00	25.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	23.99	24.11	23.95	25.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	24.01	24.04	23.97	25.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	23.99	24.12	23.98	25.0	0.0

n48 Part 96 Ant 8

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	21.30	21.36	21.25	22.0	0.0
40	PI/2 BPSK	1	53	21.17	21.23	21.25		
40	PI/2 BPSK	1	104	21.07	21.13	21.10		
40	PI/2 BPSK	50	0	20.60	20.75	20.52	21.5	0.5
40	PI/2 BPSK	50	28	21.23	21.22	21.15	22.0	0.0
40	PI/2 BPSK	50	56	20.38	20.67	20.42	21.5	0.5
40	PI/2 BPSK	100	0	20.67	20.69	20.51		
40	QPSK	1	1	21.32	21.41	21.27	22.0	0.0
40	QPSK	1	53	21.31	21.27	21.07		
40	QPSK	1	104	21.10	21.27	21.16		
40	QPSK	50	0	20.12	20.21	20.02	21.0	1.0
40	QPSK	50	28	21.20	21.33	21.11	22.0	0.0
40	QPSK	50	56	20.16	20.24	20.17	21.0	1.0
40	QPSK	100	0	20.03	20.20	20.00		
40	16QAM	1	1	20.05	20.14	20.08	21.0	1.0
40	64QAM	1	1	19.15	19.22	19.18	19.5	2.5
40	256QAM	1	1	17.13	17.20	17.08	17.5	4.5
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3685.02	3624.99	3684.99		
30	QPSK	1	1	21.20	21.35	21.12	22.0	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	21.20	21.27	21.13	22.0	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	21.19	21.34	21.18	22.0	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	21.25	21.32	21.16	22.0	0.0

Part27O n77 Ant 8

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.87	20.92	20.81	22.0	0.0
100	PI/2 BPSK	1	137	20.94	20.99	20.88		
100	PI/2 BPSK	1	271	20.85	20.91	20.86		
100	PI/2 BPSK	135	0	20.80	20.88	20.75	22.0	0.0
100	PI/2 BPSK	135	69	20.71	20.82	20.72	22.0	0.0
100	PI/2 BPSK	135	138	20.72	20.75	20.71	22.0	0.0
100	PI/2 BPSK	270	0	20.82	20.88	20.80		
100	QPSK	1	1	20.95	21.05	20.98	22.0	0.0
100	QPSK	1	137	20.87	20.93	20.85		
100	QPSK	1	271	20.78	20.85	20.74		
100	QPSK	135	0	20.81	20.91	20.84	22.0	0.0
100	QPSK	135	69	20.93	20.96	20.90	22.0	0.0
100	QPSK	135	138	20.76	20.85	20.81	22.0	0.0
100	QPSK	270	0	20.85	20.92	20.81		
100	16QAM	1	1	20.75	20.84	20.79	22.0	0.0
100	64QAM	1	1	20.71	20.79	20.75	22.0	0.0
100	256QAM	1	1	19.47	19.56	19.51	20.5	1.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	20.86	21.01	20.93	22.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	20.86	20.92	20.90	22.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	20.90	20.99	20.93	22.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	20.90	20.95	20.93	22.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	20.86	20.91	20.90	22.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	20.82	20.92	20.87	22.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	20.89	21.00	20.88	22.0	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	20.81	21.01	20.93	22.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	20.85	20.97	20.93	22.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	20.83	21.02	20.87	22.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	20.89	20.92	20.93	22.0	0.0

Part27O n77 HPUE Ant 8

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	23.76	23.90	23.75	25.0	0.0
100	PI/2 BPSK	1	137	23.66	23.67	23.66		
100	PI/2 BPSK	1	271	23.66	23.68	23.56		
100	PI/2 BPSK	135	0	23.11	23.17	23.04	24.5	0.5
100	PI/2 BPSK	135	69	23.65	23.70	23.60	25.0	0.0
100	PI/2 BPSK	135	138	22.90	23.11	22.98	24.5	0.5
100	PI/2 BPSK	270	0	23.13	23.22	23.02		
100	QPSK	1	1	23.83	23.92	23.79	25.0	0.0
100	QPSK	1	137	23.76	23.76	23.59		
100	QPSK	1	271	23.66	23.83	23.60		
100	QPSK	135	0	22.61	22.68	22.54	24.0	1.0
100	QPSK	135	69	23.84	23.89	23.80	25.0	0.0
100	QPSK	135	138	22.67	22.72	22.61	24.0	1.0
100	QPSK	270	0	22.55	22.68	22.49		
100	16QAM	1	1	22.62	22.60	22.48	24.0	1.0
100	64QAM	1	1	21.30	21.20	21.08	22.5	2.5
100	256QAM	1	1	19.27	19.29	19.25	20.5	4.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	23.76	23.78	23.68	25.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	23.76	23.80	23.71	25.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	23.72	23.77	23.73	25.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	23.75	23.81	23.72	25.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	23.74	23.79	23.70	25.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	23.68	23.86	23.74	25.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	23.72	23.86	23.73	25.0	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	23.76	23.79	23.74	25.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	23.71	23.88	23.70	25.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	23.75	23.80	23.68	25.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	23.72	23.84	23.69	25.0	0.0

Part27Q n77 Ant 8

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.25		22.0	0.0
100	PI/2 BPSK	1	137		21.21			
100	PI/2 BPSK	1	271		21.17			
100	PI/2 BPSK	135	0		21.08		22.0	0.0
100	PI/2 BPSK	135	69		21.09		22.0	0.0
100	PI/2 BPSK	135	138		21.01		22.0	0.0
100	PI/2 BPSK	270	0		21.19			
100	QPSK	1	1		21.34		22.0	0.0
100	QPSK	1	137		21.31			
100	QPSK	1	271		21.14			
100	QPSK	135	0		21.25		22.0	0.0
100	QPSK	135	69		21.29		22.0	0.0
100	QPSK	135	138		21.15		22.0	0.0
100	QPSK	270	0		21.21			
100	16QAM	1	1		21.14		22.0	0.0
100	64QAM	1	1		21.09		22.0	0.0
100	256QAM	1	1		19.84		20.5	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3498	3500.01	3505.02		
90	QPSK	1	1	21.18	21.21	21.12	22.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.18	21.30	21.09	22.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.17	21.27	21.13	22.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.21	21.23	21.19	22.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.18	21.25	21.15	22.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.24	21.29	21.17	22.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.17	21.26	21.14	22.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	21.19	21.31	21.09	22.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.21	21.26	21.10	22.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	21.13	21.24	21.18	22.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	21.12	21.22	21.15	22.0	0.0

Part27Q n77 HPUE Ant 8

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		24.10		25.0	0.0
100	PI/2 BPSK	1	137		24.04			
100	PI/2 BPSK	1	271		23.86			
100	PI/2 BPSK	135	0		23.54		24.5	0.5
100	PI/2 BPSK	135	69		23.96		25.0	0.0
100	PI/2 BPSK	135	138		23.36		24.5	0.5
100	PI/2 BPSK	270	0		23.56			
100	QPSK	1	1		24.22		25.0	0.0
100	QPSK	1	137		24.00			
100	QPSK	1	271		24.09			
100	QPSK	135	0		22.94		24.0	1.0
100	QPSK	135	69		24.14		25.0	0.0
100	QPSK	135	138		23.01		24.0	1.0
100	QPSK	270	0		23.07			
100	16QAM	1	1		23.27		24.0	1.0
100	64QAM	1	1		21.87		22.5	2.5
100	256QAM	1	1		18.99		20.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	24.11	24.17	24.06	25.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	24.06	24.19	24.10	25.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	24.02	24.13	24.09	25.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	24.06	24.18	24.08	25.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	24.11	24.14	24.06	25.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	24.09	24.19	24.15	25.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	24.02	24.18	24.06	25.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	24.06	24.14	24.09	25.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	24.01	24.09	24.16	25.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	24.11	24.13	24.17	25.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	24.07	24.07	24.06	25.0	0.0

Part27O n78 Ant 8

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		20.85		22.0	0.0
100	PI/2 BPSK	1	137		20.91			
100	PI/2 BPSK	1	271		20.79			
100	PI/2 BPSK	135	0		20.83		22.0	0.0
100	PI/2 BPSK	135	69		20.74		22.0	0.0
100	PI/2 BPSK	135	138		20.61		22.0	0.0
100	PI/2 BPSK	270	0		20.74			
100	QPSK	1	1		20.99		22.0	0.0
100	QPSK	1	137		20.87			
100	QPSK	1	271		20.70			
100	QPSK	135	0		20.80		22.0	0.0
100	QPSK	135	69		20.84		22.0	0.0
100	QPSK	135	138		20.77		22.0	0.0
100	QPSK	270	0		20.81			
100	16QAM	1	1		20.76		22.0	0.0
100	64QAM	1	1		20.69		22.0	0.0
100	256QAM	1	1		19.38		20.5	1.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	20.73	20.90	20.80	22.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	20.80	20.87	20.88	22.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	20.71	20.94	20.79	22.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	20.78	20.89	20.78	22.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	20.77	20.91	20.77	22.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	20.78	20.92	20.78	22.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	20.74	20.94	20.86	22.0	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	20.81	20.94	20.83	22.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	20.78	20.93	20.84	22.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	20.82	20.90	20.81	22.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	20.80	20.89	20.86	22.0	0.0

Part27O n78 HPUE Ant 8

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		23.82		25.0	0.0
100	PI/2 BPSK	1	137		23.64			
100	PI/2 BPSK	1	271		23.58			
100	PI/2 BPSK	135	0		23.05		24.5	0.5
100	PI/2 BPSK	135	69		23.64		25.0	0.0
100	PI/2 BPSK	135	138		22.99		24.5	0.5
100	PI/2 BPSK	270	0		23.21			
100	QPSK	1	1		23.86		25.0	0.0
100	QPSK	1	137		23.80			
100	QPSK	1	271		23.73			
100	QPSK	135	0		22.60		24.0	1.0
100	QPSK	135	69		23.76		25.0	0.0
100	QPSK	135	138		22.63		24.0	1.0
100	QPSK	270	0		22.60			
100	16QAM	1	1		22.83		24.0	1.0
100	64QAM	1	1		21.35		22.5	2.5
100	256QAM	1	1		18.62		20.5	4.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	23.63	23.70	23.59	25.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	23.71	23.66	23.63	25.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	23.62	23.70	23.60	25.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	23.65	23.75	23.64	25.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	23.65	23.68	23.61	25.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	23.63	23.69	23.58	25.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	23.63	23.73	23.58	25.0	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	23.68	23.69	23.60	25.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	23.68	23.73	23.57	25.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	23.63	23.67	23.65	25.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	23.64	23.65	23.57	25.0	0.0

Part27Q n78 Ant 8

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.16		22.0	0.0
100	PI/2 BPSK	1	137		21.15			
100	PI/2 BPSK	1	271		21.07			
100	PI/2 BPSK	135	0		20.94		22.0	0.0
100	PI/2 BPSK	135	69		20.98		22.0	0.0
100	PI/2 BPSK	135	138		20.87		22.0	0.0
100	PI/2 BPSK	270	0		21.09			
100	QPSK	1	1		21.25		22.0	0.0
100	QPSK	1	137		21.16			
100	QPSK	1	271		21.06			
100	QPSK	135	0		21.19		22.0	0.0
100	QPSK	135	69		21.24		22.0	0.0
100	QPSK	135	138		21.12		22.0	0.0
100	QPSK	270	0		21.19			
100	16QAM	1	1		21.12		22.0	0.0
100	64QAM	1	1		21.04		22.0	0.0
100	256QAM	1	1		19.67		20.5	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.09	21.18	21.12	22.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.18	21.17	21.10	22.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.14	21.14	21.02	22.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.16	21.22	21.09	22.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.14	21.15	21.08	22.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.14	21.12	21.01	22.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.18	21.14	21.08	22.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	21.09	21.18	21.06	22.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.11	21.11	21.10	22.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	21.10	21.22	21.10	22.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	21.14	21.17	21.10	22.0	0.0

Part27Q n78 HPUE Ant 8

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		24.00		25.0	0.0
100	PI/2 BPSK	1	137		23.98			
100	PI/2 BPSK	1	271		23.85			
100	PI/2 BPSK	135	0		23.43		24.5	0.5
100	PI/2 BPSK	135	69		23.85		25.0	0.0
100	PI/2 BPSK	135	138		23.33		24.5	0.5
100	PI/2 BPSK	270	0		23.60			
100	QPSK	1	1		24.18		25.0	0.0
100	QPSK	1	137		24.07			
100	QPSK	1	271		24.12			
100	QPSK	135	0		22.98		24.0	1.0
100	QPSK	135	69		24.14		25.0	0.0
100	QPSK	135	138		23.03		24.0	1.0
100	QPSK	270	0		23.15			
100	16QAM	1	1		23.11		24.0	1.0
100	64QAM	1	1		21.93		22.5	2.5
100	256QAM	1	1		19.20		20.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	24.05	24.12	24.03	25.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	24.06	24.07	24.01	25.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	24.03	24.05	24.05	25.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	24.07	24.15	24.06	25.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	24.03	24.10	24.01	25.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	24.01	24.13	23.95	25.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	23.99	24.09	23.95	25.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	24.10	24.07	24.03	25.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	24.09	24.06	24.05	25.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	24.10	24.11	24.04	25.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	24.08	24.13	24.00	25.0	0.0

Reduced Power Mode for ECI2

n2 Ant 0 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PI/2 BPSK	1	1	22.96	23.02	22.90	24.0	0.0
40	PI/2 BPSK	1	108	22.80	22.94	22.86		
40	PI/2 BPSK	1	214	22.87	22.91	22.78		
40	PI/2 BPSK	108	0	22.32	22.45	22.34	23.5	0.5
40	PI/2 BPSK	108	54	22.89	22.96	22.85	24.0	0.0
40	PI/2 BPSK	108	108	22.25	22.33	22.27	23.5	0.5
40	PI/2 BPSK	216	0	22.36	22.40	22.33		
40	QPSK	1	1	23.01	23.07	22.94	24.0	0.0
40	QPSK	1	108	22.88	23.01	22.90		
40	QPSK	1	214	22.86	22.96	22.93		
40	QPSK	108	0	21.84	21.88	21.81	23.0	1.0
40	QPSK	108	54	22.91	23.01	22.87	24.0	0.0
40	QPSK	108	108	21.82	21.87	21.79	23.0	1.0
40	QPSK	216	0	21.89	21.92	21.82		
40	16QAM	1	1	21.53	21.67	21.54	23.0	1.0
40	64QAM	1	1	20.21	20.30	20.23	21.5	2.5
40	256QAM	1	1	18.80	18.83	18.74	19.5	4.5
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	22.89	22.97	22.82	0.0	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	22.95	22.98	22.84	0.0	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	22.88	22.96	22.80	0.0	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	22.87	22.93	22.82	0.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	22.97	22.95	22.82	24.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	22.92	22.98	22.81	24.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	22.91	23.03	22.90	24.0	0.0

n5 Ant 0 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.15	23.22	23.10	24.0	0.0
20	PI/2 BPSK	1	53	23.07	23.06	23.14		
20	PI/2 BPSK	1	104	23.11	23.13	22.99		
20	PI/2 BPSK	50	0	22.54	22.61	22.59	23.5	0.5
20	PI/2 BPSK	50	28	23.06	23.15	23.10	24.0	0.0
20	PI/2 BPSK	50	56	22.37	22.53	22.41	23.5	0.5
20	PI/2 BPSK	100	0	22.58	22.66	22.38		
20	QPSK	1	1	23.23	23.29	23.19	24.0	0.0
20	QPSK	1	53	23.20	23.27	22.96		
20	QPSK	1	104	23.10	23.17	23.06		
20	QPSK	50	0	22.09	22.10	21.88	23.0	1.0
20	QPSK	50	28	23.12	23.26	23.11	24.0	0.0
20	QPSK	50	56	22.02	22.13	21.95	23.0	1.0
20	QPSK	100	0	22.12	22.17	21.86		
20	16QAM	1	1	21.97	22.08	21.93	23.0	1.0
20	64QAM	1	1	20.73	20.76	20.54	21.5	2.5
20	256QAM	1	1	19.29	19.36	19.34	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.13	23.24	23.11	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.14	23.16	23.16	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.08	23.21	23.14	24.0	0.0

n7 Ant 0 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	23.17	23.29	23.13	24.0	0.0
50	PI/2 BPSK	1	135	23.06	23.14	23.12		
50	PI/2 BPSK	1	268	23.10	23.10	23.09		
50	PI/2 BPSK	135	0	22.55	22.62	22.57	23.5	0.5
50	PI/2 BPSK	135	68	23.12	23.15	23.04	24.0	0.0
50	PI/2 BPSK	135	135	22.43	22.57	22.40	23.5	0.5
50	PI/2 BPSK	270	0	22.54	22.63	22.47		
50	QPSK	1	1	23.27	23.32	23.19	24.0	0.0
50	QPSK	1	135	23.20	23.29	23.09		
50	QPSK	1	268	23.12	23.19	23.06		
50	QPSK	135	0	22.06	22.12	21.98	23.0	1.0
50	QPSK	135	68	23.16	23.28	23.11	24.0	0.0
50	QPSK	135	135	22.07	22.06	21.97	23.0	1.0
50	QPSK	270	0	22.08	22.20	21.98		
50	16QAM	1	1	21.80	21.85	21.76	23.0	1.0
50	64QAM	1	1	20.49	20.54	20.49	21.5	2.5
50	256QAM	1	1	19.09	19.06	18.91	19.5	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	23.18	23.28	23.07	24.0	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	23.18	23.26	23.06	0.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	23.13	23.20	23.14	24.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	23.23	23.24	23.09	24.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	23.16	23.28	23.12	24.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	23.20	23.27	23.07	24.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.22	23.22	23.12	24.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	23.21	23.22	23.12	24.0	0.0

n12 Ant 0 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	23.07	23.19	23.03	24.0	0.0
15	PI/2 BPSK	1	40	23.01	23.05	23.05		
15	PI/2 BPSK	1	77	23.01	23.07	22.97		
15	PI/2 BPSK	36	0	22.46	22.54	22.51	23.5	0.5
15	PI/2 BPSK	36	22	23.05	23.07	22.98	24.0	0.0
15	PI/2 BPSK	36	43	22.29	22.43	22.37	23.5	0.5
15	PI/2 BPSK	75	0	22.51	22.58	22.37		
15	QPSK	1	1	23.13	23.27	23.08	24.0	0.0
15	QPSK	1	40	23.15	23.17	22.95		
15	QPSK	1	77	23.01	23.10	22.99		
15	QPSK	36	0	22.00	22.05	21.84	23.0	1.0
15	QPSK	36	22	23.04	23.24	23.01	24.0	0.0
15	QPSK	36	43	22.00	22.05	21.94	23.0	1.0
15	QPSK	75	0	22.01	22.11	21.85		
15	16QAM	1	1	21.94	21.98	21.85	23.0	1.0
15	64QAM	1	1	20.61	20.67	20.54	21.5	2.5
	256QAM	1	1	19.17	19.31	19.26	19.5	4.5
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	23.08	23.16	23.04	24.0	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	23.10	23.14	22.95	24.0	0.0

n14 Ant 0 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					158600			
Frequency (MHz)					793			
10	PI/2 BPSK	1	1		23.57		24.0	0.0
10	PI/2 BPSK	1	26		23.36			
10	PI/2 BPSK	1	50		23.39			
10	PI/2 BPSK	25	0		22.88		23.5	0.5
10	PI/2 BPSK	25	14		23.43		24.0	0.0
10	PI/2 BPSK	25	27		22.81		23.5	0.5
10	PI/2 BPSK	50	0		22.89			
10	QPSK	1	1		23.63		24.0	0.0
10	QPSK	1	26		23.49			
10	QPSK	1	50		23.45			
10	QPSK	25	0		22.40		23.0	1.0
10	QPSK	25	14		23.55		24.0	0.0
10	QPSK	25	27		22.40		23.0	1.0
10	QPSK	50	0		22.44			
10	16QAM	1	1		22.39		23.0	1.0
10	64QAM	1	1		21.04		21.5	2.5
10	256QAM	1	1		19.33		19.5	4.5
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	23.45	23.48	23.39	24.0	0.0

n25 Ant 0 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	23.20	23.26	23.09	24.0	0.0
40	PI/2 BPSK	1	108	23.11	23.21	23.21		
40	PI/2 BPSK	1	214	23.09	23.17	23.03		
40	PI/2 BPSK	108	0	22.60	22.60	22.66	23.5	0.5
40	PI/2 BPSK	108	54	23.10	23.23	23.10	24.0	0.0
40	PI/2 BPSK	108	108	22.42	22.55	22.54	23.5	0.5
40	PI/2 BPSK	216	0	22.61	22.72	22.47		
40	QPSK	1	1	23.32	23.36	23.15	24.0	0.0
40	QPSK	1	108	23.28	23.30	23.12		
40	QPSK	1	214	23.15	23.18	23.07		
40	QPSK	108	0	22.12	22.20	21.99	23.0	1.0
40	QPSK	108	54	23.10	23.32	23.15	24.0	0.0
40	QPSK	108	108	22.05	22.22	22.08	23.0	1.0
40	QPSK	216	0	22.14	22.19	21.94		
40	16QAM	1	1	22.06	22.05	22.01	23.0	1.0
40	64QAM	1	1	20.70	20.74	20.63	21.5	2.5
40	256QAM	1	1	19.25	19.41	19.34	19.5	4.5
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1	23.15	23.20	23.13	24.0	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	23.18	23.27	23.01	24.0	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	23.24	23.31	23.08	24.0	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	23.18	23.23	23.02	24.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	23.28	23.32	23.10	24.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	23.26	23.31	23.01	24.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	23.19	23.27	23.08	24.0	0.0

n26 Ant 0 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	23.24	23.39	23.25	24.0	0.0
20	PI/2 BPSK	1	53	23.12	23.24	23.21		
20	PI/2 BPSK	1	104	23.14	23.18	23.13		
20	PI/2 BPSK	50	0	22.65	22.75	22.65	23.5	0.5
20	PI/2 BPSK	50	28	23.16	23.26	23.16	24.0	0.0
20	PI/2 BPSK	50	56	22.55	22.65	22.54	23.5	0.5
20	PI/2 BPSK	100	0	22.63	22.70	22.62		
20	QPSK	1	1	23.34	23.40	23.28	24.0	0.0
20	QPSK	1	53	23.24	23.34	23.16		
20	QPSK	1	104	23.22	23.29	23.19		
20	QPSK	50	0	22.20	22.20	22.12	23.0	1.0
20	QPSK	50	28	23.23	23.36	23.19	24.0	0.0
20	QPSK	50	56	22.17	22.19	22.06	23.0	1.0
20	QPSK	100	0	22.20	22.28	22.10		
20	16QAM	1	1	21.85	21.98	21.86	23.0	1.0
20	64QAM	1	1	20.53	20.59	20.58	21.5	2.5
20	256QAM	1	1	19.12	19.15	19.00	19.5	4.5
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	23.22	23.36	23.18	24.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	23.24	23.26	23.15	24.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	23.25	23.30	23.23	24.0	0.0

n30 Ant 0 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					462000			
Frequency (MHz)					2310			
10	PI/2 BPSK	1	1		23.41		24.0	0.0
10	PI/2 BPSK	1	26		23.30			
10	PI/2 BPSK	1	50		23.36			
10	PI/2 BPSK	25	0		22.78		23.5	0.5
10	PI/2 BPSK	25	14		23.33		24.0	0.0
10	PI/2 BPSK	25	27		22.70		23.5	0.5
10	PI/2 BPSK	50	0		22.84			
10	QPSK	1	1		23.49		24.0	0.0
10	QPSK	1	26		23.44			
10	QPSK	1	50		23.43			
10	QPSK	25	0		22.25		23.0	1.0
10	QPSK	25	14		23.41		24.0	0.0
10	QPSK	25	27		22.28		23.0	1.0
10	QPSK	50	0		22.35			
10	16QAM	1	1		22.13		23.0	1.0
10	64QAM	1	1		20.69		21.5	2.5
10	256QAM	1	1		19.42		19.5	4.5
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	23.36	23.43	23.32	24.0	0.0

n66 Ant 0 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	22.96	23.04	22.91	24.0	0.0
40	PI/2 BPSK	1	108	22.88	22.91	22.89		
40	PI/2 BPSK	1	214	22.80	22.83	22.77		
40	PI/2 BPSK	108	0	22.30	22.39	22.26	23.5	0.5
40	PI/2 BPSK	108	54	22.88	22.85	22.81	24.0	0.0
40	PI/2 BPSK	108	108	22.10	22.30	22.15	23.5	0.5
40	PI/2 BPSK	216	0	22.31	22.42	22.23		
40	QPSK	1	1	23.05	23.13	23.00	24.0	0.0
40	QPSK	1	108	22.98	22.95	22.80		
40	QPSK	1	214	22.83	22.97	22.80		
40	QPSK	108	0	21.85	21.89	21.71	23.0	1.0
40	QPSK	108	54	22.86	23.05	22.80	24.0	0.0
40	QPSK	108	108	21.85	21.87	21.80	23.0	1.0
40	QPSK	216	0	21.77	21.92	21.66		
40	16QAM	1	1	21.78	21.81	21.66	23.0	1.0
40	64QAM	1	1	20.45	20.43	20.30	21.5	2.5
40	256QAM	1	1	19.03	19.10	19.08	19.5	4.5
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	22.97	23.09	22.91	24.0	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	23.01	23.07	22.90	24.0	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	23.01	23.04	22.89	24.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	22.94	23.09	22.87	24.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	22.92	23.08	22.95	24.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	22.94	22.99	22.89	24.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.00	23.07	22.88	24.0	0.0

n70 Ant 0 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					340500			
Frequency (MHz)					1702.5			
15	PI/2 BPSK	1	1		23.18		24.0	0.0
15	PI/2 BPSK	1	40		23.09			
15	PI/2 BPSK	1	77		23.02			
15	PI/2 BPSK	36	0		22.47		23.5	0.5
15	PI/2 BPSK	36	22		22.98		24.0	0.0
15	PI/2 BPSK	36	43		22.41		23.5	0.5
15	PI/2 BPSK	75	0		22.53			
15	QPSK	1	1		23.30		24.0	0.0
15	QPSK	1	40		23.03			
15	QPSK	1	77		23.15			
15	QPSK	36	0		21.97		23.0	1.0
15	QPSK	36	22		23.22		24.0	0.0
15	QPSK	36	43		21.97		23.0	1.0
15	QPSK	75	0		22.05			
15	16QAM	1	1		21.96		23.0	1.0
15	64QAM	1	1		20.52		21.5	2.5
	256QAM	1	1		19.05		19.5	4.5
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	23.13	23.25	23.16	24.0	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	23.10	23.18	23.09	24.0	0.0

n71 Ant 0 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	23.50	23.57	23.42	24.0	0.0
20	PI/2 BPSK	1	53	23.43	23.41	23.46		
20	PI/2 BPSK	1	104	23.28	23.36	23.26		
20	PI/2 BPSK	50	0	22.81	22.93	22.82	23.5	0.5
20	PI/2 BPSK	50	28	23.38	23.34	23.29	24.0	0.0
20	PI/2 BPSK	50	56	22.63	22.85	22.66	23.5	0.5
20	PI/2 BPSK	100	0	22.81	22.91	22.77		
20	QPSK	1	1	23.59	23.69	23.54	24.0	0.0
20	QPSK	1	53	23.48	23.46	23.31		
20	QPSK	1	104	23.31	23.49	23.35		
20	QPSK	50	0	22.32	22.38	22.20	23.0	1.0
20	QPSK	50	28	23.34	23.50	23.26	24.0	0.0
20	QPSK	50	56	22.36	22.38	22.30	23.0	1.0
20	QPSK	100	0	22.24	22.42	22.20		
20	16QAM	1	1	22.29	22.36	22.22	23.0	1.0
20	64QAM	1	1	20.98	21.00	20.87	21.5	2.5
20	256QAM	1	1	19.28	19.45	19.40	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	23.48	23.58	23.50	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	23.56	23.59	23.43	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	23.52	23.60	23.44	24.0	0.0

n38 Ant 0 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	23.10	23.21	23.14	24.0	0.0
40	PI/2 BPSK	1	53	23.03	23.06	23.07		
40	PI/2 BPSK	1	104	22.94	22.96	22.97		
40	PI/2 BPSK	50	0	22.48	22.58	22.41	23.5	0.5
40	PI/2 BPSK	50	28	23.01	23.01	22.95	24.0	0.0
40	PI/2 BPSK	50	56	22.32	22.52	22.35	23.5	0.5
40	PI/2 BPSK	100	0	22.50	22.57	22.39		
40	QPSK	1	1	23.26	23.34	23.21	24.0	0.0
40	QPSK	1	53	23.18	23.13	23.00		
40	QPSK	1	104	22.95	23.17	23.01		
40	QPSK	50	0	22.06	22.10	21.87	23.0	1.0
40	QPSK	50	28	22.97	23.19	22.97	24.0	0.0
40	QPSK	50	56	22.00	22.05	21.93	23.0	1.0
40	QPSK	100	0	21.95	22.14	21.86		
40	16QAM	1	1	21.99	21.94	21.78	23.0	1.0
40	64QAM	1	1	20.61	20.59	20.41	21.5	2.5
40	256QAM	1	1	19.19	19.31	19.29	19.5	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	23.19	23.31	23.09	24.0	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	23.19	23.21	23.11	24.0	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	23.18	23.29	23.07	24.0	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	23.13	23.24	23.07	24.0	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	23.19	23.28	23.10	24.0	0.0

n41 Ant 0 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	21.82	21.86	21.74	23.0	0.0
100	PI/2 BPSK	1	137	21.74	21.83	21.71		
100	PI/2 BPSK	1	271	21.64	21.78	21.67		
100	PI/2 BPSK	135	0	21.67	21.73	21.69	23.0	0.0
100	PI/2 BPSK	135	69	21.65	21.70	21.57	23.0	0.0
100	PI/2 BPSK	135	138	21.53	21.66	21.51	23.0	0.0
100	PI/2 BPSK	270	0	21.62	21.72	21.58		
100	QPSK	1	1	21.84	21.91	21.88	23.0	0.0
100	QPSK	1	137	21.80	21.85	21.78		
100	QPSK	1	271	21.67	21.78	21.65		
100	QPSK	135	0	21.65	21.72	21.69	23.0	0.0
100	QPSK	135	69	21.80	21.85	21.72	23.0	0.0
100	QPSK	135	138	21.55	21.68	21.57	23.0	0.0
100	QPSK	270	0	21.67	21.75	21.71		
100	16QAM	1	1	21.54	21.66	21.60	23.0	0.0
100	64QAM	1	1	21.11	21.24	21.12	23.0	0.0
100	256QAM	1	1	20.72	20.78	20.74	21.5	1.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.69	21.80	21.76	23.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	21.70	21.84	21.76	23.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.77	21.82	21.80	23.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	21.80	21.77	21.84	23.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.70	21.86	21.79	23.0	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	21.70	21.77	21.82	23.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.77	21.84	21.85	23.0	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	21.73	21.80	21.78	23.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.70	21.84	21.77	23.0	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	21.73	21.85	21.79	23.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.77	21.79	21.82	23.0	0.0
Channel				500700	259299	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	1296.495	2682.48		
15	QPSK	1	1	21.75	21.84	21.74	23.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	21.70	21.87	21.83	23.0	0.0

n41 HPUE Ant 0 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	24.79	24.87	24.82	26.0	0.0
100	PI/2 BPSK	1	137	24.75	24.67	24.71		
100	PI/2 BPSK	1	271	24.60	24.60	24.61		
100	PI/2 BPSK	135	0	24.09	24.19	24.07	25.5	0.5
100	PI/2 BPSK	135	69	24.72	24.63	24.65	26.0	0.0
100	PI/2 BPSK	135	138	23.89	24.16	24.01	25.5	0.5
100	PI/2 BPSK	270	0	24.15	24.22	24.00		
100	QPSK	1	1	24.90	24.99	24.94	26.0	0.0
100	QPSK	1	137	24.79	24.75	24.63		
100	QPSK	1	271	24.64	24.75	24.63		
100	QPSK	135	0	23.63	23.67	23.46	25.0	1.0
100	QPSK	135	69	24.72	24.87	24.63	26.0	0.0
100	QPSK	135	138	23.70	23.72	23.69	25.0	1.0
100	QPSK	270	0	23.75	23.79	23.71		
100	16QAM	1	1	23.67	23.72	23.67	25.0	1.0
100	64QAM	1	1	22.37	22.42	22.35	23.5	2.5
100	256QAM	1	1	19.68	19.76	19.71	21.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	24.84	24.89	24.86	26.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	24.86	24.90	24.82	26.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	24.87	24.98	24.88	26.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	24.82	24.94	24.82	26.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	24.80	24.87	24.90	26.0	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	24.80	24.85	24.84	26.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	24.80	24.87	24.81	26.0	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	24.84	24.92	24.85	26.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	24.80	24.84	24.82	26.0	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	24.78	24.86	24.86	26.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	24.86	24.86	24.85	26.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	24.83	24.87	24.85	26.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	24.84	24.91	24.81	26.0	0.0

n2 Ant 1 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PI/2 BPSK	1	1	23.02	23.18	23.04	24.0	0.0
40	PI/2 BPSK	1	108	22.96	23.06	22.95		
40	PI/2 BPSK	1	214	22.89	22.94	22.89		
40	PI/2 BPSK	108	0	22.44	22.46	22.35	23.5	0.5
40	PI/2 BPSK	108	54	23.04	22.94	22.98	24.0	0.0
40	PI/2 BPSK	108	108	22.18	22.37	22.31	23.5	0.5
40	PI/2 BPSK	216	0	22.42	22.49	22.29		
40	QPSK	1	1	23.17	23.19	23.10	24.0	0.0
40	QPSK	1	108	23.07	23.06	22.96		
40	QPSK	1	214	22.93	23.08	22.95		
40	QPSK	108	0	21.95	22.02	21.83	23.0	1.0
40	QPSK	108	54	23.02	23.14	22.86	24.0	0.0
40	QPSK	108	108	21.96	21.92	21.87	23.0	1.0
40	QPSK	216	0	21.89	22.08	21.73		
40	16QAM	1	1	21.94	21.89	21.80	23.0	1.0
40	64QAM	1	1	20.58	20.51	20.42	21.5	2.5
40	256QAM	1	1	19.12	19.24	19.19	19.5	4.5
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	23.03	23.12	22.96	0.0	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	23.09	23.15	22.96	0.0	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	23.03	23.14	22.99	0.0	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	23.03	23.06	23.05	0.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	23.09	23.14	23.03	24.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	23.11	23.10	22.99	24.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	23.09	23.15	22.97	24.0	0.0

n5 Ant 1 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	22.87	22.91	22.82	24.0	0.0
20	PI/2 BPSK	1	53	22.77	22.80	22.84		
20	PI/2 BPSK	1	104	22.76	22.77	22.62		
20	PI/2 BPSK	50	0	22.26	22.26	22.22	23.5	0.5
20	PI/2 BPSK	50	28	22.80	22.79	22.74	24.0	0.0
20	PI/2 BPSK	50	56	21.97	22.21	22.01	23.5	0.5
20	PI/2 BPSK	100	0	22.22	22.37	22.20		
20	QPSK	1	1	22.90	22.99	22.91	24.0	0.0
20	QPSK	1	53	22.92	22.85	22.66		
20	QPSK	1	104	22.74	22.88	22.75		
20	QPSK	50	0	21.74	21.81	21.62	23.0	1.0
20	QPSK	50	28	22.82	22.90	22.77	24.0	0.0
20	QPSK	50	56	21.80	21.77	21.68	23.0	1.0
20	QPSK	100	0	21.72	21.80	21.61		
20	16QAM	1	1	21.64	21.68	21.60	23.0	1.0
20	64QAM	1	1	20.38	20.37	20.23	21.5	2.5
20	256QAM	1	1	18.98	18.99	18.97	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.86	22.93	22.79	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.81	22.87	22.82	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.85	22.89	22.78	24.0	0.0

n7 Ant 1 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	22.76	22.81	22.69	24.0	0.0
50	PI/2 BPSK	1	135	22.71	22.67	22.81		
50	PI/2 BPSK	1	268	22.66	22.67	22.52		
50	PI/2 BPSK	135	0	22.15	22.17	22.19	23.5	0.5
50	PI/2 BPSK	135	68	22.72	22.69	22.69	24.0	0.0
50	PI/2 BPSK	135	135	21.83	22.14	21.87	23.5	0.5
50	PI/2 BPSK	270	0	22.18	22.23	22.14		
50	QPSK	1	1	22.77	22.88	22.84	24.0	0.0
50	QPSK	1	135	22.84	22.75	22.59		
50	QPSK	1	268	22.61	22.75	22.60		
50	QPSK	135	0	21.63	21.74	21.57	23.0	1.0
50	QPSK	135	68	22.74	22.81	22.68	24.0	0.0
50	QPSK	135	135	21.76	21.70	21.63	23.0	1.0
50	QPSK	270	0	21.60	21.66	21.46		
50	16QAM	1	1	21.47	21.52	21.43	23.0	1.0
50	64QAM	1	1	19.98	20.05	19.90	21.5	2.5
50	256QAM	1	1	18.52	18.59	18.53	19.5	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	22.68	22.76	22.75	24.0	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	22.66	22.85	22.73	0.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	22.63	22.79	22.72	24.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	22.70	22.77	22.75	24.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	22.73	22.84	22.79	24.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.67	22.76	22.71	24.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.66	22.75	22.79	24.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	22.62	22.81	22.76	24.0	0.0

n12 Ant 1 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	22.83	22.92	22.83	24.0	0.0
15	PI/2 BPSK	1	40	22.80	22.78	22.86		
15	PI/2 BPSK	1	77	22.79	22.78	22.68		
15	PI/2 BPSK	36	0	22.23	22.31	22.27	23.5	0.5
15	PI/2 BPSK	36	22	22.82	22.81	22.79	24.0	0.0
15	PI/2 BPSK	36	43	21.88	22.29	22.01	23.5	0.5
15	PI/2 BPSK	75	0	22.29	22.36	22.21		
15	QPSK	1	1	22.84	23.01	22.94	24.0	0.0
15	QPSK	1	40	22.94	22.91	22.72		
15	QPSK	1	77	22.77	22.83	22.71		
15	QPSK	36	0	21.77	21.88	21.68	23.0	1.0
15	QPSK	36	22	22.83	22.97	22.74	24.0	0.0
15	QPSK	36	43	21.72	21.76	21.57	23.0	1.0
15	QPSK	75	0	21.80	21.81	21.77		
15	16QAM	1	1	21.71	21.75	21.70	23.0	1.0
15	64QAM	1	1	20.19	20.34	20.21	21.5	2.5
	256QAM	1	1	18.97	19.05	18.94	19.5	4.5
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	22.74	22.91	22.89	24.0	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	22.73	22.88	22.83	24.0	0.0

n14 Ant 1 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					158600			
Frequency (MHz)					793			
10	PI/2 BPSK	1	1		23.25		24.0	0.0
10	PI/2 BPSK	1	26		23.14			
10	PI/2 BPSK	1	50		23.05			
10	PI/2 BPSK	25	0		22.60		23.5	0.5
10	PI/2 BPSK	25	14		23.15		24.0	0.0
10	PI/2 BPSK	25	27		22.61		23.5	0.5
10	PI/2 BPSK	50	0		22.69			
10	QPSK	1	1		23.34		24.0	0.0
10	QPSK	1	26		23.21			
10	QPSK	1	50		23.13			
10	QPSK	25	0		22.16		23.0	1.0
10	QPSK	25	14		23.27		24.0	0.0
10	QPSK	25	27		22.08		23.0	1.0
10	QPSK	50	0		22.15			
10	16QAM	1	1		22.09		23.0	1.0
10	64QAM	1	1		20.69		21.5	2.5
10	256QAM	1	1		19.39		19.5	4.5
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	23.15	23.21	23.17	24.0	0.0

n25 Ant 1 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	23.06	23.07	23.01	24.0	0.0
40	PI/2 BPSK	1	108	22.90	22.97	22.98		
40	PI/2 BPSK	1	214	22.87	22.86	22.88		
40	PI/2 BPSK	108	0	22.30	22.42	22.28	23.5	0.5
40	PI/2 BPSK	108	54	22.90	22.89	22.89	24.0	0.0
40	PI/2 BPSK	108	108	22.16	22.40	22.17	23.5	0.5
40	PI/2 BPSK	216	0	22.40	22.48	22.29		
40	QPSK	1	1	23.15	23.20	23.12	24.0	0.0
40	QPSK	1	108	23.08	22.96	22.84		
40	QPSK	1	214	22.85	23.01	22.89		
40	QPSK	108	0	21.93	21.99	21.75	23.0	1.0
40	QPSK	108	54	22.92	23.09	22.80	24.0	0.0
40	QPSK	108	108	21.86	21.88	21.90	23.0	1.0
40	QPSK	216	0	21.82	22.01	21.73		
40	16QAM	1	1	21.88	21.82	21.67	23.0	1.0
40	64QAM	1	1	20.52	20.50	20.30	21.5	2.5
40	256QAM	1	1	19.12	19.19	19.16	19.5	4.5
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1	23.05	23.10	23.04	24.0	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	23.03	23.11	23.08	24.0	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	23.02	23.09	23.03	24.0	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	23.10	23.15	23.06	24.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	23.12	23.07	23.07	24.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	23.12	23.16	23.08	24.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	23.04	23.14	23.00	24.0	0.0

n26 Ant 1 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	22.92	22.99	22.93	24.0	0.0
20	PI/2 BPSK	1	53	22.77	22.92	22.85		
20	PI/2 BPSK	1	104	22.78	22.78	22.84		
20	PI/2 BPSK	50	0	22.22	22.36	22.19	23.5	0.5
20	PI/2 BPSK	50	28	22.84	22.86	22.81	24.0	0.0
20	PI/2 BPSK	50	56	22.10	22.26	22.08	23.5	0.5
20	PI/2 BPSK	100	0	22.32	22.44	22.16		
20	QPSK	1	1	23.06	23.13	22.99	24.0	0.0
20	QPSK	1	53	23.01	22.82	22.80		
20	QPSK	1	104	22.80	22.97	22.78		
20	QPSK	50	0	21.89	21.84	21.67	23.0	1.0
20	QPSK	50	28	22.82	23.04	22.69	24.0	0.0
20	QPSK	50	56	21.73	21.85	21.79	23.0	1.0
20	QPSK	100	0	21.74	21.88	21.62		
20	16QAM	1	1	21.79	21.78	21.53	23.0	1.0
20	64QAM	1	1	20.44	20.37	20.16	21.5	2.5
20	256QAM	1	1	19.00	19.15	19.03	19.5	4.5
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	22.99	23.05	22.84	24.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	22.96	23.00	22.92	24.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	22.92	23.07	22.85	24.0	0.0

n30 Ant 1 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					462000			
Frequency (MHz)					2310			
10	PI/2 BPSK	1	1		22.90		24.0	0.0
10	PI/2 BPSK	1	26		22.79			
10	PI/2 BPSK	1	50		22.66			
10	PI/2 BPSK	25	0		22.22		23.5	0.5
10	PI/2 BPSK	25	14		22.76		24.0	0.0
10	PI/2 BPSK	25	27		22.21		23.5	0.5
10	PI/2 BPSK	50	0		22.35			
10	QPSK	1	1		23.04		24.0	0.0
10	QPSK	1	26		22.76			
10	QPSK	1	50		22.92			
10	QPSK	25	0		21.77		23.0	1.0
10	QPSK	25	14		22.98		24.0	0.0
10	QPSK	25	27		21.76		23.0	1.0
10	QPSK	50	0		21.84			
10	16QAM	1	1		21.64		23.0	1.0
10	64QAM	1	1		20.27		21.5	2.5
10	256QAM	1	1		19.09		19.5	4.5
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	22.91	22.98	22.82	24.0	0.0

n66 Ant 1 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	23.22	23.32	23.21	24.0	0.0
40	PI/2 BPSK	1	108	23.21	23.24	23.15		
40	PI/2 BPSK	1	214	23.16	23.09	23.07		
40	PI/2 BPSK	108	0	22.60	22.69	22.54	23.5	0.5
40	PI/2 BPSK	108	54	23.16	23.17	23.09	24.0	0.0
40	PI/2 BPSK	108	108	22.36	22.56	22.48	23.5	0.5
40	PI/2 BPSK	216	0	22.58	22.77	22.53		
40	QPSK	1	1	23.37	23.39	23.28	24.0	0.0
40	QPSK	1	108	23.20	23.23	23.15		
40	QPSK	1	214	23.17	23.29	23.06		
40	QPSK	108	0	22.13	22.15	21.98	23.0	1.0
40	QPSK	108	54	23.22	23.30	23.06	24.0	0.0
40	QPSK	108	108	22.20	22.18	22.09	23.0	1.0
40	QPSK	216	0	22.03	22.22	22.01		
40	16QAM	1	1	21.77	21.82	21.67	23.0	1.0
40	64QAM	1	1	20.32	20.43	20.34	21.5	2.5
40	256QAM	1	1	18.77	18.91	18.86	19.5	4.5
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	23.30	23.32	23.19	24.0	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	23.32	23.26	23.15	24.0	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	23.29	23.24	23.21	24.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.24	23.28	23.19	24.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.27	23.34	23.21	24.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.23	23.24	23.22	24.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.30	23.32	23.13	24.0	0.0

n70 Ant 1 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					340500			
Frequency (MHz)					1702.5			
15	PI/2 BPSK	1	1		23.60		24.0	0.0
15	PI/2 BPSK	1	40		23.52			
15	PI/2 BPSK	1	77		23.35			
15	PI/2 BPSK	36	0		23.05		23.5	0.5
15	PI/2 BPSK	36	22		23.48		24.0	0.0
15	PI/2 BPSK	36	43		22.88		23.5	0.5
15	PI/2 BPSK	75	0		23.09			
15	QPSK	1	1		23.66		24.0	0.0
15	QPSK	1	40		23.48			
15	QPSK	1	77		23.56			
15	QPSK	36	0		22.47		23.0	1.0
15	QPSK	36	22		23.60		24.0	0.0
15	QPSK	36	43		22.52		23.0	1.0
15	QPSK	75	0		22.57			
15	16QAM	1	1		22.10		23.0	1.0
15	64QAM	1	1		20.74		21.5	2.5
	256QAM	1	1		19.17		19.5	4.5
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	23.51	23.60	23.57	24.0	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	23.50	23.52	23.50	24.0	0.0

n71 Ant 1 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	23.33	23.49	23.30	24.0	0.0
20	PI/2 BPSK	1	53	23.26	23.32	23.30		
20	PI/2 BPSK	1	104	23.33	23.19	23.15		
20	PI/2 BPSK	50	0	22.75	22.85	22.68	23.5	0.5
20	PI/2 BPSK	50	28	23.27	23.32	23.15	24.0	0.0
20	PI/2 BPSK	50	56	22.53	22.71	22.63	23.5	0.5
20	PI/2 BPSK	100	0	22.64	22.91	22.59		
20	QPSK	1	1	23.47	23.50	23.36	24.0	0.0
20	QPSK	1	53	23.28	23.36	23.22		
20	QPSK	1	104	23.28	23.45	23.21		
20	QPSK	50	0	22.28	22.29	22.08	23.0	1.0
20	QPSK	50	28	23.35	23.39	23.12	24.0	0.0
20	QPSK	50	56	22.28	22.30	22.18	23.0	1.0
20	QPSK	100	0	22.16	22.36	22.18		
20	16QAM	1	1	22.05	22.17	22.02	23.0	1.0
20	64QAM	1	1	20.73	20.86	20.71	21.5	2.5
20	256QAM	1	1	19.40	19.43	19.34	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	23.38	23.44	23.32	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	23.34	23.37	23.23	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	23.34	23.42	23.30	24.0	0.0

n38 Ant 1 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	22.82	22.97	22.83	24.0	0.0
40	PI/2 BPSK	1	53	22.80	22.77	22.76		
40	PI/2 BPSK	1	104	22.66	22.69	22.68		
40	PI/2 BPSK	50	0	22.19	22.36	22.22	23.5	0.5
40	PI/2 BPSK	50	28	22.76	22.70	22.66	24.0	0.0
40	PI/2 BPSK	50	56	22.01	22.20	22.09	23.5	0.5
40	PI/2 BPSK	100	0	22.26	22.28	22.11		
40	QPSK	1	1	22.97	23.01	22.85	24.0	0.0
40	QPSK	1	53	22.91	22.83	22.66		
40	QPSK	1	104	22.77	22.91	22.74		
40	QPSK	50	0	21.81	21.79	21.61	23.0	1.0
40	QPSK	50	28	22.82	22.92	22.73	24.0	0.0
40	QPSK	50	56	21.80	21.80	21.71	23.0	1.0
40	QPSK	100	0	21.68	21.84	21.54		
40	16QAM	1	1	21.64	21.76	21.53	23.0	1.0
40	64QAM	1	1	20.36	20.30	20.23	21.5	2.5
40	256QAM	1	1	18.98	19.01	18.97	19.5	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	22.90	22.96	22.79	24.0	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	22.84	22.92	22.75	24.0	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	22.92	22.98	22.72	24.0	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	22.86	22.91	22.73	24.0	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	22.86	22.93	22.76	24.0	0.0

n41 Ant 1 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	21.65	21.79	21.73	23.0	0.0
100	PI/2 BPSK	1	137	21.60	21.70	21.58		
100	PI/2 BPSK	1	271	21.61	21.74	21.61		
100	PI/2 BPSK	135	0	21.46	21.60	21.53	23.0	0.0
100	PI/2 BPSK	135	69	21.53	21.64	21.59	23.0	0.0
100	PI/2 BPSK	135	138	21.43	21.55	21.46	23.0	0.0
100	PI/2 BPSK	270	0	21.53	21.65	21.54		
100	QPSK	1	1	21.80	21.85	21.70	23.0	0.0
100	QPSK	1	137	21.65	21.78	21.64		
100	QPSK	1	271	21.57	21.70	21.57		
100	QPSK	135	0	21.58	21.66	21.61	23.0	0.0
100	QPSK	135	69	21.68	21.76	21.65	23.0	0.0
100	QPSK	135	138	21.58	21.61	21.52	23.0	0.0
100	QPSK	270	0	21.56	21.66	21.54		
100	16QAM	1	1	21.40	21.52	21.43	23.0	0.0
100	64QAM	1	1	21.16	21.20	21.05	23.0	0.0
100	256QAM	1	1	20.51	20.66	20.61	21.5	1.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.72	21.76	21.60	23.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	21.70	21.75	21.61	23.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.73	21.73	21.62	23.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	21.70	21.71	21.66	23.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.73	21.80	21.59	23.0	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	21.67	21.79	21.67	23.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.75	21.81	21.56	23.0	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	21.73	21.71	21.66	23.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.70	21.78	21.56	23.0	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	21.77	21.76	21.65	23.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.69	21.82	21.57	23.0	0.0
Channel				500700	259299	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	1296.495	2682.48		
15	QPSK	1	1	21.70	21.75	21.56	23.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	21.76	21.79	21.65	23.0	0.0

n41 HPUE Ant 1 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	24.59	24.65	24.57	26.0	0.0
100	PI/2 BPSK	1	137	24.53	24.51	24.52		
100	PI/2 BPSK	1	271	24.37	24.48	24.35		
100	PI/2 BPSK	135	0	23.89	24.06	23.91	25.5	0.5
100	PI/2 BPSK	135	69	24.46	24.48	24.37	26.0	0.0
100	PI/2 BPSK	135	138	23.70	23.95	23.74	25.5	0.5
100	PI/2 BPSK	270	0	23.94	24.01	23.88		
100	QPSK	1	1	24.61	24.76	24.70	26.0	0.0
100	QPSK	1	137	24.64	24.55	24.39		
100	QPSK	1	271	24.39	24.55	24.37		
100	QPSK	135	0	23.49	23.46	23.26	25.0	1.0
100	QPSK	135	69	24.41	24.64	24.47	26.0	0.0
100	QPSK	135	138	23.40	23.44	23.38	25.0	1.0
100	QPSK	270	0	23.37	23.55	23.22		
100	16QAM	1	1	23.58	23.66	23.61	25.0	1.0
100	64QAM	1	1	22.17	22.28	22.23	23.5	2.5
100	256QAM	1	1	19.84	19.97	19.83	21.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	24.50	24.65	24.66	26.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	24.49	24.70	24.58	26.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	24.56	24.70	24.65	26.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	24.57	24.69	24.67	26.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	24.53	24.66	24.67	26.0	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	24.47	24.67	24.57	26.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	24.53	24.61	24.55	26.0	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	24.53	24.68	24.64	26.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	24.54	24.72	24.58	26.0	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	24.53	24.71	24.60	26.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	24.50	24.65	24.60	26.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	24.49	24.61	24.65	26.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	24.56	24.63	24.62	26.0	0.0

n2 Ant 2 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PI/2 BPSK	1	1	14.21	14.36	14.34	15.3	0.0
40	PI/2 BPSK	1	108	14.23	14.32	14.21		
40	PI/2 BPSK	1	214	14.13	14.22	14.24		
40	PI/2 BPSK	108	0	14.22	14.20	14.22	15.3	0.0
40	PI/2 BPSK	108	54	14.23	14.22	14.20	15.3	0.0
40	PI/2 BPSK	108	108	14.18	14.17	14.14	15.3	0.0
40	PI/2 BPSK	216	0	14.14	14.23	14.17		
40	QPSK	1	1	14.35	14.42	14.38	15.3	0.0
40	QPSK	1	108	14.32	14.38	14.34		
40	QPSK	1	214	14.27	14.33	14.29		
40	QPSK	108	0	14.29	14.32	14.30	15.3	0.0
40	QPSK	108	54	14.28	14.36	14.25	15.3	0.0
40	QPSK	108	108	14.22	14.25	14.18	15.3	0.0
40	QPSK	216	0	14.18	14.29	14.22		
40	16QAM	1	1	14.21	14.26	14.19	15.3	0.0
40	64QAM	1	1	14.23	14.27	14.17	15.3	0.0
40	256QAM	1	1	14.20	14.24	14.18	15.3	0.0
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	14.29	14.35	14.30	0.0	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	14.24	14.32	14.35	0.0	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	14.31	14.32	14.27	0.0	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	14.31	14.33	14.29	0.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	14.29	14.34	14.24	15.3	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	14.26	14.36	14.31	15.3	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	14.23	14.33	14.24	15.3	0.0

n7 Ant 2 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	15.78	15.98	15.95	16.8	0.0
50	PI/2 BPSK	1	135	15.85	15.89	15.85		
50	PI/2 BPSK	1	268	15.77	15.80	15.83		
50	PI/2 BPSK	135	0	15.77	15.84	15.85	16.8	0.0
50	PI/2 BPSK	135	68	15.87	15.79	15.82	16.8	0.0
50	PI/2 BPSK	135	135	15.79	15.80	15.77	16.8	0.0
50	PI/2 BPSK	270	0	15.74	15.79	15.78		
50	QPSK	1	1	15.97	16.01	15.94	16.8	0.0
50	QPSK	1	135	15.94	15.98	15.93		
50	QPSK	1	268	15.87	15.97	15.90		
50	QPSK	135	0	15.84	15.93	15.90	16.8	0.0
50	QPSK	135	68	15.84	15.97	15.86	16.8	0.0
50	QPSK	135	135	15.79	15.86	15.82	16.8	0.0
50	QPSK	270	0	15.71	15.90	15.84		
50	16QAM	1	1	15.78	15.90	15.79	16.8	0.0
50	64QAM	1	1	15.81	15.80	15.70	16.8	0.0
50	256QAM	1	1	15.74	15.87	15.78	16.8	0.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	15.81	15.91	15.86	16.8	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	15.78	15.95	15.90	0.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	15.82	15.94	15.91	16.8	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	15.84	15.87	15.80	16.8	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	15.80	15.87	15.80	16.8	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	15.81	15.94	15.89	16.8	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	15.74	15.98	15.85	16.8	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	15.82	15.94	15.88	16.8	0.0

n25 Ant 2 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	14.25	14.40	14.34	15.3	0.0
40	PI/2 BPSK	1	108	14.27	14.36	14.23		
40	PI/2 BPSK	1	214	14.19	14.32	14.27		
40	PI/2 BPSK	108	0	14.24	14.29	14.30	15.3	0.0
40	PI/2 BPSK	108	54	14.27	14.29	14.31	15.3	0.0
40	PI/2 BPSK	108	108	14.22	14.23	14.15	15.3	0.0
40	PI/2 BPSK	216	0	14.17	14.35	14.23		
40	QPSK	1	1	14.39	14.45	14.40	15.3	0.0
40	QPSK	1	108	14.34	14.43	14.38		
40	QPSK	1	214	14.29	14.40	14.33		
40	QPSK	108	0	14.30	14.32	14.27	15.3	0.0
40	QPSK	108	54	14.29	14.41	14.37	15.3	0.0
40	QPSK	108	108	14.23	14.28	14.26	15.3	0.0
40	QPSK	216	0	14.29	14.35	14.31		
40	16QAM	1	1	14.28	14.33	14.27	15.3	0.0
40	64QAM	1	1	14.33	14.36	14.28	15.3	0.0
40	256QAM	1	1	14.20	14.27	14.22	15.3	0.0
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1	14.29	14.36	14.31	15.3	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	14.33	14.37	14.26	15.3	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	14.33	14.36	14.35	15.3	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	14.32	14.40	14.28	15.3	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	14.28	14.38	14.35	15.3	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	14.29	14.41	14.36	15.3	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	14.26	14.35	14.31	15.3	0.0

n30 Ant 2 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					462000			
Frequency (MHz)					2310			
10	PI/2 BPSK	1	1		16.38		17.3	0.0
10	PI/2 BPSK	1	26		16.35			
10	PI/2 BPSK	1	50		16.31			
10	PI/2 BPSK	25	0		16.23		17.3	0.0
10	PI/2 BPSK	25	14		16.35		17.3	0.0
10	PI/2 BPSK	25	27		16.22		17.3	0.0
10	PI/2 BPSK	50	0		16.27			
10	QPSK	1	1		16.43		17.3	0.0
10	QPSK	1	26		16.40			
10	QPSK	1	50		16.33			
10	QPSK	25	0		16.29		17.3	0.0
10	QPSK	25	14		16.38		17.3	0.0
10	QPSK	25	27		16.26		17.3	0.0
10	QPSK	50	0		16.30			
10	16QAM	1	1		16.25		17.3	0.0
10	64QAM	1	1		16.31		17.3	0.0
10	256QAM	1	1		16.28		17.3	0.0
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	16.32	16.36	16.30	17.3	0.0

n66 Ant 2 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	15.09	15.29	15.22	16.1	0.0
40	PI/2 BPSK	1	108	15.12	15.22	15.17		
40	PI/2 BPSK	1	214	15.01	15.14	15.11		
40	PI/2 BPSK	108	0	15.10	15.11	15.20	16.1	0.0
40	PI/2 BPSK	108	54	15.22	15.16	15.09	16.1	0.0
40	PI/2 BPSK	108	108	15.10	15.08	15.03	16.1	0.0
40	PI/2 BPSK	216	0	15.08	15.20	15.05		
40	QPSK	1	1	15.33	15.39	15.29	16.1	0.0
40	QPSK	1	108	15.25	15.34	15.22		
40	QPSK	1	214	15.19	15.29	15.19		
40	QPSK	108	0	15.20	15.21	15.26	16.1	0.0
40	QPSK	108	54	15.28	15.34	15.19	16.1	0.0
40	QPSK	108	108	15.14	15.19	15.06	16.1	0.0
40	QPSK	216	0	15.22	15.27	15.18		
40	16QAM	1	1	15.15	15.20	15.09	16.1	0.0
40	64QAM	1	1	15.08	15.15	15.12	16.1	0.0
40	256QAM	1	1	15.09	15.14	15.10	16.1	0.0
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	15.24	15.27	15.18	16.1	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	15.21	15.36	15.16	16.1	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	15.27	15.30	15.21	16.1	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	15.23	15.34	15.21	16.1	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	15.23	15.33	15.25	16.1	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	15.21	15.28	15.19	16.1	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	15.22	15.25	15.20	16.1	0.0

n70 Ant 2 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					340500			
Frequency (MHz)					1702.5			
15	PI/2 BPSK	1	1		15.62		16.5	0.0
15	PI/2 BPSK	1	40		15.55			
15	PI/2 BPSK	1	77		15.49			
15	PI/2 BPSK	36	0		15.41		16.5	0.0
15	PI/2 BPSK	36	22		15.59		16.5	0.0
15	PI/2 BPSK	36	43		15.53		16.5	0.0
15	PI/2 BPSK	75	0		15.58			
15	QPSK	1	1		15.68		16.5	0.0
15	QPSK	1	40		15.63			
15	QPSK	1	77		15.59			
15	QPSK	36	0		15.47		16.5	0.0
15	QPSK	36	22		15.62		16.5	0.0
15	QPSK	36	43		15.52		16.5	0.0
15	QPSK	75	0		15.57			
15	16QAM	1	1		15.51		16.5	0.0
15	64QAM	1	1		15.47		16.5	0.0
15	256QAM	1	1		15.50		16.5	0.0
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	15.51	15.54	15.52	16.5	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	15.52	15.62	15.54	16.5	0.0

n41 HPUE Ant 2 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	14.98	15.06	15.04	15.8	0.0
100	PI/2 BPSK	1	137	14.94	14.93	14.83		
100	PI/2 BPSK	1	271	14.85	14.90	14.95		
100	PI/2 BPSK	135	0	14.80	14.85	14.91	15.8	0.0
100	PI/2 BPSK	135	69	14.93	15.01	14.85	15.8	0.0
100	PI/2 BPSK	135	138	14.86	14.91	14.84	15.8	0.0
100	PI/2 BPSK	270	0	14.82	14.93	14.90		
100	QPSK	1	1	15.05	15.13	15.09	15.8	0.0
100	QPSK	1	137	14.99	15.00	15.07		
100	QPSK	1	271	15.06	14.93	14.92		
100	QPSK	135	0	14.85	15.03	14.82	15.8	0.0
100	QPSK	135	69	15.02	15.05	14.94	15.8	0.0
100	QPSK	135	138	14.85	14.95	14.81	15.8	0.0
100	QPSK	270	0	14.88	15.01	14.92		
100	16QAM	1	1	14.96	15.00	14.91	15.8	0.0
100	64QAM	1	1	14.86	14.88	14.85	15.8	0.0
100	256QAM	1	1	14.80	14.83	14.78	15.8	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	14.99	15.08	15.03	15.8	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	15.01	15.03	14.97	15.8	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	14.94	15.10	15.04	15.8	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	15.00	15.05	14.95	15.8	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	15.02	15.06	15.02	15.8	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	14.93	15.00	14.97	15.8	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	14.98	15.09	15.02	15.8	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	14.99	15.01	14.96	15.8	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	14.98	15.03	14.97	15.8	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	14.91	15.00	14.97	15.8	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	15.00	15.05	14.99	15.8	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	14.97	15.02	14.98	15.8	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	15.01	15.09	14.99	15.8	0.0

n2 Ant 3 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PI/2 BPSK	1	1	16.90	17.02	16.93	17.9	0.0
40	PI/2 BPSK	1	108	16.87	16.94	16.79		
40	PI/2 BPSK	1	214	16.80	16.88	16.89		
40	PI/2 BPSK	108	0	16.90	16.88	16.87	17.9	0.0
40	PI/2 BPSK	108	54	16.88	16.89	16.80	17.9	0.0
40	PI/2 BPSK	108	108	16.85	16.83	16.73	17.9	0.0
40	PI/2 BPSK	216	0	16.76	16.83	16.79		
40	QPSK	1	1	17.02	17.06	16.98	17.9	0.0
40	QPSK	1	108	16.96	17.01	16.97		
40	QPSK	1	214	16.90	16.99	16.89		
40	QPSK	108	0	16.95	17.02	16.96	17.9	0.0
40	QPSK	108	54	16.86	16.90	16.88	17.9	0.0
40	QPSK	108	108	16.86	16.95	16.78	17.9	0.0
40	QPSK	216	0	16.88	16.93	16.83		
40	16QAM	1	1	16.84	16.87	16.88	17.9	0.0
40	64QAM	1	1	16.89	16.89	16.85	17.9	0.0
40	256QAM	1	1	16.86	16.83	16.80	17.9	0.0
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	16.95	17.01	16.84	0.0	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	16.91	16.99	16.89	0.0	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	16.94	16.96	16.91	0.0	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	16.87	16.91	16.84	0.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	16.89	16.94	16.91	17.9	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	16.95	16.98	16.94	17.9	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	16.94	17.02	16.93	17.9	0.0

n7 Ant 3 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	15.48	15.53	15.51	16.4	0.0
50	PI/2 BPSK	1	135	15.41	15.46	15.35		
50	PI/2 BPSK	1	268	15.32	15.44	15.42		
50	PI/2 BPSK	135	0	15.46	15.43	15.45	16.4	0.0
50	PI/2 BPSK	135	68	15.45	15.40	15.38	16.4	0.0
50	PI/2 BPSK	135	135	15.31	15.42	15.29	16.4	0.0
50	PI/2 BPSK	270	0	15.33	15.37	15.40		
50	QPSK	1	1	15.60	15.62	15.57	16.4	0.0
50	QPSK	1	135	15.53	15.54	15.54		
50	QPSK	1	268	15.42	15.56	15.50		
50	QPSK	135	0	15.46	15.47	15.44	16.4	0.0
50	QPSK	135	68	15.50	15.53	15.39	16.4	0.0
50	QPSK	135	135	15.40	15.41	15.34	16.4	0.0
50	QPSK	270	0	15.42	15.52	15.38		
50	16QAM	1	1	15.40	15.43	15.43	16.4	0.0
50	64QAM	1	1	15.39	15.48	15.34	16.4	0.0
50	256QAM	1	1	15.41	15.48	15.43	16.4	0.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	15.57	15.58	15.51	16.4	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	15.47	15.55	15.44	0.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	15.49	15.58	15.43	16.4	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	15.50	15.59	15.45	16.4	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	15.46	15.57	15.48	16.4	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	15.48	15.53	15.49	16.4	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	15.53	15.51	15.45	16.4	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	15.49	15.54	15.51	16.4	0.0

n25 Ant 3 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	16.94	17.06	17.01	17.9	0.0
40	PI/2 BPSK	1	108	16.88	16.89	16.81		
40	PI/2 BPSK	1	214	16.85	16.89	16.85		
40	PI/2 BPSK	108	0	16.92	16.94	16.92	17.9	0.0
40	PI/2 BPSK	108	54	16.86	16.88	16.79	17.9	0.0
40	PI/2 BPSK	108	108	16.82	16.84	16.69	17.9	0.0
40	PI/2 BPSK	216	0	16.81	16.79	16.81		
40	QPSK	1	1	17.09	17.12	17.06	17.9	0.0
40	QPSK	1	108	16.95	17.01	17.02		
40	QPSK	1	214	16.96	17.04	16.90		
40	QPSK	108	0	17.01	17.02	16.91	17.9	0.0
40	QPSK	108	54	16.91	16.88	16.86	17.9	0.0
40	QPSK	108	108	16.85	17.00	16.85	17.9	0.0
40	QPSK	216	0	16.95	16.98	16.89		
40	16QAM	1	1	16.81	16.89	16.90	17.9	0.0
40	64QAM	1	1	16.90	16.86	16.86	17.9	0.0
40	256QAM	1	1	16.82	16.84	16.79	17.9	0.0
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1	16.98	17.06	17.01	17.9	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	17.03	17.05	16.92	17.9	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	16.98	17.08	17.00	17.9	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	17.02	17.08	16.97	17.9	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	17.04	17.03	16.92	17.9	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	17.06	17.01	16.98	17.9	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	16.94	17.07	16.94	17.9	0.0

n30 Ant 3 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					462000			
Frequency (MHz)					2310			
10	PI/2 BPSK	1	1		16.96		18.0	0.0
10	PI/2 BPSK	1	26		16.89			
10	PI/2 BPSK	1	50		16.91			
10	PI/2 BPSK	25	0		16.82		18.0	0.0
10	PI/2 BPSK	25	14		16.90		18.0	0.0
10	PI/2 BPSK	25	27		16.83		18.0	0.0
10	PI/2 BPSK	50	0		16.89			
10	QPSK	1	1		17.03		18.0	0.0
10	QPSK	1	26		16.99			
10	QPSK	1	50		16.96			
10	QPSK	25	0		16.91		18.0	0.0
10	QPSK	25	14		16.99		18.0	0.0
10	QPSK	25	27		16.88		18.0	0.0
10	QPSK	50	0		16.97			
10	16QAM	1	1		16.95		18.0	0.0
10	64QAM	1	1		16.90		18.0	0.0
10	256QAM	1	1		16.92		18.0	0.0
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	16.90	16.98	16.92	18.0	0.0

n66 Ant 3 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	17.46	17.55	17.51	18.5	0.0
40	PI/2 BPSK	1	108	17.37	17.50	17.33		
40	PI/2 BPSK	1	214	17.29	17.38	17.35		
40	PI/2 BPSK	108	0	17.36	17.30	17.34	18.5	0.0
40	PI/2 BPSK	108	54	17.38	17.42	17.35	18.5	0.0
40	PI/2 BPSK	108	108	17.34	17.25	17.24	18.5	0.0
40	PI/2 BPSK	216	0	17.27	17.39	17.36		
40	QPSK	1	1	17.53	17.62	17.59	18.5	0.0
40	QPSK	1	108	17.45	17.54	17.54		
40	QPSK	1	214	17.43	17.50	17.42		
40	QPSK	108	0	17.44	17.47	17.49	18.5	0.0
40	QPSK	108	54	17.48	17.54	17.39	18.5	0.0
40	QPSK	108	108	17.33	17.36	17.30	18.5	0.0
40	QPSK	216	0	17.34	17.47	17.41		
40	16QAM	1	1	17.31	17.35	17.36	18.5	0.0
40	64QAM	1	1	17.35	17.36	17.31	18.5	0.0
40	256QAM	1	1	17.28	17.40	17.33	18.5	0.0
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	17.42	17.55	17.50	18.5	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	17.39	17.49	17.53	18.5	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	17.47	17.51	17.54	18.5	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	17.48	17.49	17.47	18.5	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	17.45	17.56	17.45	18.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	17.40	17.58	17.50	18.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	17.47	17.48	17.46	18.5	0.0

n70 Ant 3 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					340500			
Frequency (MHz)					1702.5			
15	PI/2 BPSK	1	1		17.90		18.9	0.0
15	PI/2 BPSK	1	40		17.88			
15	PI/2 BPSK	1	77		17.79			
15	PI/2 BPSK	36	0		17.61		18.9	0.0
15	PI/2 BPSK	36	22		17.85		18.9	0.0
15	PI/2 BPSK	36	43		17.68		18.9	0.0
15	PI/2 BPSK	75	0		17.73			
15	QPSK	1	1		17.94		18.9	0.0
15	QPSK	1	40		17.91			
15	QPSK	1	77		17.87			
15	QPSK	36	0		17.80		18.9	0.0
15	QPSK	36	22		17.86		18.9	0.0
15	QPSK	36	43		17.69		18.9	0.0
15	QPSK	75	0		17.73			
15	16QAM	1	1		17.63		18.9	0.0
15	64QAM	1	1		17.66		18.9	0.0
	256QAM	1	1		17.68		18.9	0.0
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	17.81	17.89	17.83	18.9	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	17.80	17.85	17.79	18.9	0.0

n41 HPUE Ant 3 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	15.81	15.85	15.89	16.8	0.0
100	PI/2 BPSK	1	137	15.74	15.78	15.75		
100	PI/2 BPSK	1	271	15.58	15.70	15.73		
100	PI/2 BPSK	135	0	15.65	15.76	15.99	16.8	0.0
100	PI/2 BPSK	135	69	15.65	15.86	15.68	16.8	0.0
100	PI/2 BPSK	135	138	15.73	15.59	15.52	16.8	0.0
100	PI/2 BPSK	270	0	15.63	15.62	15.59		
100	QPSK	1	1	15.90	15.97	15.93	16.8	0.0
100	QPSK	1	137	15.79	15.79	15.87		
100	QPSK	1	271	15.68	15.89	15.71		
100	QPSK	135	0	15.82	15.84	15.77	16.8	0.0
100	QPSK	135	69	15.90	15.94	15.87	16.8	0.0
100	QPSK	135	138	15.77	15.79	15.67	16.8	0.0
100	QPSK	270	0	15.76	15.82	15.68		
100	16QAM	1	1	15.63	15.65	15.67	16.8	0.0
100	64QAM	1	1	15.75	15.79	15.65	16.8	0.0
100	256QAM	1	1	15.76	15.79	15.72	16.8	0.0
Channel				506200	518598	526996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	15.81	15.87	15.82	16.8	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	15.83	15.88	15.79	16.8	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	15.75	15.93	15.85	16.8	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	15.83	15.90	15.78	16.8	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	15.85	15.89	15.82	16.8	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	15.76	15.85	15.85	16.8	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	15.83	15.90	15.84	16.8	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	15.77	15.85	15.90	16.8	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	15.83	15.87	15.78	16.8	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	15.81	15.83	15.85	16.8	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	15.80	15.87	15.80	16.8	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	15.79	15.87	15.81	16.8	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	15.81	15.92	15.81	16.8	0.0

n48 Part 96 Ant 3 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	15.58	15.76	15.70	16.7	0.0
40	PI/2 BPSK	1	53	15.55	15.67	15.63		
40	PI/2 BPSK	1	104	15.54	15.56	15.66		
40	PI/2 BPSK	50	0	15.57	15.55	15.56	16.7	0.0
40	PI/2 BPSK	50	28	15.66	15.71	15.59	16.7	0.0
40	PI/2 BPSK	50	56	15.55	15.52	15.50	16.7	0.0
40	PI/2 BPSK	100	0	15.56	15.61	15.57		
40	QPSK	1	1	15.75	15.83	15.77	16.7	0.0
40	QPSK	1	53	15.70	15.71	15.76		
40	QPSK	1	104	15.68	15.76	15.64		
40	QPSK	50	0	15.65	15.72	15.69	16.7	0.0
40	QPSK	50	28	15.72	15.77	15.60	16.7	0.0
40	QPSK	50	56	15.64	15.65	15.52	16.7	0.0
40	QPSK	100	0	15.61	15.69	15.64		
40	16QAM	1	1	15.64	15.65	15.63	16.7	0.0
40	64QAM	1	1	15.57	15.63	15.60	16.7	0.0
40	256QAM	1	1	15.52	15.60	15.58	16.7	0.0
Channel				637668	641666	645664	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	15.62	15.68	15.74	16.7	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	15.62	15.69	15.65	16.7	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	15.61	15.78	15.71	16.7	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	15.67	15.76	15.64	16.7	0.0

Part27O n77 HPUE Ant 3 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	15.64	15.70	15.67	16.6	0.0
100	PI/2 BPSK	1	137	15.57	15.64	15.58		
100	PI/2 BPSK	1	271	15.54	15.62	15.53		
100	PI/2 BPSK	135	0	15.52	15.58	15.47	16.6	0.0
100	PI/2 BPSK	135	69	15.63	15.66	15.60	16.6	0.0
100	PI/2 BPSK	135	138	15.49	15.55	15.46	16.6	0.0
100	PI/2 BPSK	270	0	15.54	15.62	15.56		
100	QPSK	1	1	15.69	15.76	15.72	16.6	0.0
100	QPSK	1	137	15.66	15.70	15.61		
100	QPSK	1	271	15.59	15.65	15.57		
100	QPSK	135	0	15.61	15.66	15.63	16.6	0.0
100	QPSK	135	69	15.64	15.71	15.62	16.6	0.0
100	QPSK	135	138	15.58	15.61	15.53	16.6	0.0
100	QPSK	270	0	15.54	15.65	15.57		
100	16QAM	1	1	15.52	15.59	15.54	16.6	0.0
100	64QAM	1	1	15.48	15.55	15.43	16.6	0.0
100	256QAM	1	1	15.45	15.52	15.50	16.6	0.0
Channel				649000	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	15.66	15.74	15.67	16.6	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	15.58	15.71	15.59	16.6	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	15.57	15.64	15.65	16.6	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	15.57	15.65	15.55	16.6	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	15.56	15.64	15.67	16.6	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	15.53	15.73	15.70	16.6	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	15.62	15.59	15.69	16.6	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	15.59	15.62	15.57	16.6	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	15.52	15.67	15.64	16.6	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	15.61	15.60	15.59	16.6	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	15.61	15.67	15.58	16.6	0.0

Part27Q n77 HPUE Ant 3 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		15.81		16.6	0.0
100	PI/2 BPSK	1	137		15.79			
100	PI/2 BPSK	1	271		15.60			
100	PI/2 BPSK	135	0		15.66		16.6	0.0
100	PI/2 BPSK	135	69		15.67		16.6	0.0
100	PI/2 BPSK	135	138		15.53		16.6	0.0
100	PI/2 BPSK	270	0		15.64			
100	QPSK	1	1		15.86		16.6	0.0
100	QPSK	1	137		15.81			
100	QPSK	1	271		15.64			
100	QPSK	135	0		15.70		16.6	0.0
100	QPSK	135	69		15.80		16.6	0.0
100	QPSK	135	138		15.67		16.6	0.0
100	QPSK	270	0		15.72			
100	16QAM	1	1		15.64		16.6	0.0
100	64QAM	1	1		15.56		16.6	0.0
100	256QAM	1	1		15.50		16.6	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	15.73	15.83	15.74	16.6	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	15.71	15.73	15.68	16.6	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	15.68	15.69	15.77	16.6	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	15.69	15.70	15.69	16.6	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	15.75	15.73	15.78	16.6	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	15.78	15.76	15.71	16.6	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	15.77	15.70	15.77	16.6	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	15.70	15.78	15.67	16.6	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	15.67	15.69	15.66	16.6	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	15.70	15.80	15.76	16.6	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	15.79	15.82	15.65	16.6	0.0

Part27O n78 HPUE Ant 3 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		15.59		16.6	0.0
100	PI/2 BPSK	1	137		15.53			
100	PI/2 BPSK	1	271		15.51			
100	PI/2 BPSK	135	0		15.54		16.6	0.0
100	PI/2 BPSK	135	69		15.52		16.6	0.0
100	PI/2 BPSK	135	138		15.51		16.6	0.0
100	PI/2 BPSK	270	0		15.49			
100	QPSK	1	1		15.65		16.6	0.0
100	QPSK	1	137		15.62			
100	QPSK	1	271		15.51			
100	QPSK	135	0		15.50		16.6	0.0
100	QPSK	135	69		15.61		16.6	0.0
100	QPSK	135	138		15.49		16.6	0.0
100	QPSK	270	0		15.55			
100	16QAM	1	1		15.40		16.6	0.0
100	64QAM	1	1		15.46		16.6	0.0
100	256QAM	1	1		15.32		16.6	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	15.44	15.61	15.45	16.6	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	15.45	15.59	15.50	16.6	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	15.47	15.50	15.44	16.6	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	15.48	15.54	15.44	16.6	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	15.46	15.61	15.41	16.6	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	15.46	15.58	15.45	16.6	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	15.43	15.53	15.47	16.6	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	15.57	15.61	15.56	16.6	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	15.49	15.55	15.44	16.6	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	15.50	15.59	15.46	16.6	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	15.55	15.52	15.43	16.6	0.0

Part27Q n78 HPUE Ant 3 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		15.59		16.6	0.0
100	PI/2 BPSK	1	137		15.56			
100	PI/2 BPSK	1	271		15.51			
100	PI/2 BPSK	135	0		15.48		16.6	0.0
100	PI/2 BPSK	135	69		15.53		16.6	0.0
100	PI/2 BPSK	135	138		15.43		16.6	0.0
100	PI/2 BPSK	270	0		15.52			
100	QPSK	1	1		15.62		16.6	0.0
100	QPSK	1	137		15.59			
100	QPSK	1	271		15.53			
100	QPSK	135	0		15.51		16.6	0.0
100	QPSK	135	69		15.53		16.6	0.0
100	QPSK	135	138		15.46		16.6	0.0
100	QPSK	270	0		15.48			
100	16QAM	1	1		15.34		16.6	0.0
100	64QAM	1	1		15.43		16.6	0.0
100	256QAM	1	1		15.32		16.6	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	15.45	15.48	15.46	16.6	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	15.44	15.47	15.36	16.6	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	15.41	15.55	15.42	16.6	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	15.46	15.57	15.47	16.6	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	15.40	15.48	15.36	16.6	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	15.41	15.53	15.42	16.6	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	15.38	15.49	15.37	16.6	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	15.42	15.51	15.44	16.6	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	15.44	15.59	15.48	16.6	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	15.49	15.52	15.43	16.6	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	15.43	15.55	15.38	16.6	0.0

n48 Part 96 Ant 4 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	15.10	15.21	15.13	16.1	0.0
40	PI/2 BPSK	1	53	15.03	15.17	15.05		
40	PI/2 BPSK	1	104	15.05	15.11	15.04		
40	PI/2 BPSK	50	0	15.05	15.09	15.02	16.1	0.0
40	PI/2 BPSK	50	28	15.03	15.17	15.11	16.1	0.0
40	PI/2 BPSK	50	56	15.01	15.06	15.03	16.1	0.0
40	PI/2 BPSK	100	0	15.03	15.06	15.05		
40	QPSK	1	1	15.23	15.26	15.21	16.1	0.0
40	QPSK	1	53	15.11	15.20	15.14		
40	QPSK	1	104	15.05	15.22	15.18		
40	QPSK	50	0	15.16	15.18	15.15	16.1	0.0
40	QPSK	50	28	15.17	15.23	15.14	16.1	0.0
40	QPSK	50	56	15.09	15.15	15.02	16.1	0.0
40	QPSK	100	0	15.12	15.19	15.17		
40	16QAM	1	1	15.01	15.06	15.06	16.1	0.0
40	64QAM	1	1	15.04	15.09	15.04	16.1	0.0
40	256QAM	1	1	15.01	15.05	15.03	16.1	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	15.19	15.21	15.10	16.1	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	15.17	15.20	15.18	16.1	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	15.16	15.19	15.12	16.1	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	15.19	15.21	15.07	16.1	0.0

Part27O n77 HPUE Ant 4 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	15.19	15.27	15.21	16.2	0.0
100	PI/2 BPSK	1	137	15.14	15.19	15.02		
100	PI/2 BPSK	1	271	14.99	15.10	15.17		
100	PI/2 BPSK	135	0	14.99	15.00	15.11	16.2	0.0
100	PI/2 BPSK	135	69	15.08	15.15	14.96	16.2	0.0
100	PI/2 BPSK	135	138	15.05	15.18	15.04	16.2	0.0
100	PI/2 BPSK	270	0	15.04	15.19	15.06		
100	QPSK	1	1	15.25	15.31	15.29	16.2	0.0
100	QPSK	1	137	15.20	15.23	15.25		
100	QPSK	1	271	15.04	15.22	15.11		
100	QPSK	135	0	15.08	15.19	15.10	16.2	0.0
100	QPSK	135	69	15.17	15.26	15.22	16.2	0.0
100	QPSK	135	138	15.07	15.12	15.06	16.2	0.0
100	QPSK	270	0	14.98	15.23	15.08		
100	16QAM	1	1	15.10	15.12	15.03	16.2	0.0
100	64QAM	1	1	15.12	15.16	15.01	16.2	0.0
100	256QAM	1	1	15.01	15.09	15.06	16.2	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	15.20	15.21	15.18	16.2	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	15.19	15.23	15.16	16.2	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	15.14	15.27	15.24	16.2	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	15.13	15.17	15.25	16.2	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	15.19	15.19	15.17	16.2	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	15.15	15.26	15.23	16.2	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	15.13	15.22	15.22	16.2	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	15.18	15.18	15.15	16.2	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	15.21	15.25	15.18	16.2	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	15.11	15.16	15.16	16.2	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	15.17	15.21	15.18	16.2	0.0

Part27Q n77 HPUE Ant 4 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		15.16		16.2	0.0
100	PI/2 BPSK	1	137		15.08			
100	PI/2 BPSK	1	271		14.91			
100	PI/2 BPSK	135	0		14.91		16.2	0.0
100	PI/2 BPSK	135	69		15.01		16.2	0.0
100	PI/2 BPSK	135	138		14.99		16.2	0.0
100	PI/2 BPSK	270	0		15.09			
100	QPSK	1	1		15.19		16.2	0.0
100	QPSK	1	137		15.13			
100	QPSK	1	271		15.08			
100	QPSK	135	0		15.03		16.2	0.0
100	QPSK	135	69		15.10		16.2	0.0
100	QPSK	135	138		14.97		16.2	0.0
100	QPSK	270	0		15.05			
100	16QAM	1	1		15.00		16.2	0.0
100	64QAM	1	1		15.04		16.2	0.0
100	256QAM	1	1		14.93		16.2	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	15.07	15.11	14.96	16.2	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	15.09	15.13	15.00	16.2	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	14.99	15.10	15.05	16.2	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	15.09	15.04	15.03	16.2	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	15.08	15.05	15.04	16.2	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	15.01	15.13	14.98	16.2	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	15.04	15.16	14.95	16.2	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	15.04	15.06	15.04	16.2	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	14.99	15.06	15.06	16.2	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	15.01	15.14	15.03	16.2	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	15.08	15.12	14.96	16.2	0.0

Part27O n78 HPUE Ant 4 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		14.92		16.2	0.0
100	PI/2 BPSK	1	137		14.86			
100	PI/2 BPSK	1	271		14.68			
100	PI/2 BPSK	135	0		14.66		16.2	0.0
100	PI/2 BPSK	135	69		14.78		16.2	0.0
100	PI/2 BPSK	135	138		14.74		16.2	0.0
100	PI/2 BPSK	270	0		14.80			
100	QPSK	1	1		14.95		16.2	0.0
100	QPSK	1	137		14.79			
100	QPSK	1	271		14.78			
100	QPSK	135	0		14.78		16.2	0.0
100	QPSK	135	69		14.89		16.2	0.0
100	QPSK	135	138		14.78		16.2	0.0
100	QPSK	270	0		14.83			
100	16QAM	1	1		14.79		16.2	0.0
100	64QAM	1	1		14.70		16.2	0.0
100	256QAM	1	1		14.69		16.2	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	14.79	14.88	14.81	16.2	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	14.82	14.85	14.77	16.2	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	14.88	14.90	14.75	16.2	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	14.76	14.88	14.76	16.2	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	14.84	14.88	14.82	16.2	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	14.76	14.90	14.80	16.2	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	14.79	14.91	14.78	16.2	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	14.80	14.85	14.74	16.2	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	14.78	14.88	14.78	16.2	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	14.84	14.90	14.75	16.2	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	14.78	14.82	14.77	16.2	0.0

Part27Q n78 HPUE Ant 4 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		15.18		16.2	0.0
100	PI/2 BPSK	1	137		15.05			
100	PI/2 BPSK	1	271		15.00			
100	PI/2 BPSK	135	0		14.85		16.2	0.0
100	PI/2 BPSK	135	69		15.06		16.2	0.0
100	PI/2 BPSK	135	138		15.09		16.2	0.0
100	PI/2 BPSK	270	0		15.01			
100	QPSK	1	1		15.22		16.2	0.0
100	QPSK	1	137		15.12			
100	QPSK	1	271		15.11			
100	QPSK	135	0		15.10		16.2	0.0
100	QPSK	135	69		15.16		16.2	0.0
100	QPSK	135	138		15.03		16.2	0.0
100	QPSK	270	0		15.10			
100	16QAM	1	1		14.98		16.2	0.0
100	64QAM	1	1		15.02		16.2	0.0
100	256QAM	1	1		15.00		16.2	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	15.05	15.08	15.00	16.2	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	15.06	15.12	15.04	16.2	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	15.08	15.17	15.02	16.2	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	15.04	15.11	14.98	16.2	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	15.10	15.16	14.99	16.2	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	15.07	15.19	14.96	16.2	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	15.00	15.16	15.06	16.2	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	15.01	15.09	15.03	16.2	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	15.01	15.11	15.03	16.2	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	15.09	15.12	15.01	16.2	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	15.05	15.17	14.98	16.2	0.0

n48 Part 96 Ant 6 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	14.67	14.83	14.80	15.8	0.0
40	PI/2 BPSK	1	53	14.67	14.76	14.62		
40	PI/2 BPSK	1	104	14.58	14.73	14.67		
40	PI/2 BPSK	50	0	14.72	14.70	14.63	15.8	0.0
40	PI/2 BPSK	50	28	14.69	14.63	14.67	15.8	0.0
40	PI/2 BPSK	50	56	14.67	14.58	14.62	15.8	0.0
40	PI/2 BPSK	100	0	14.61	14.68	14.65		
40	QPSK	1	1	14.79	14.90	14.89	15.8	0.0
40	QPSK	1	53	14.77	14.85	14.76		
40	QPSK	1	104	14.74	14.78	14.74		
40	QPSK	50	0	14.69	14.76	14.76	15.8	0.0
40	QPSK	50	28	14.74	14.85	14.70	15.8	0.0
40	QPSK	50	56	14.66	14.69	14.63	15.8	0.0
40	QPSK	100	0	14.66	14.72	14.67		
40	16QAM	1	1	14.67	14.72	14.65	15.8	0.0
40	64QAM	1	1	14.74	14.67	14.68	15.8	0.0
40	256QAM	1	1	14.65	14.69	14.68	15.8	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	14.32	14.42	14.40	15.8	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	14.30	14.38	14.32	15.8	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	14.33	14.47	14.40	15.8	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	14.39	14.46	14.43	15.8	0.0

Part27O n77 HPUE Ant 6 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	12.15	12.23	12.11	13.6	0.0
100	PI/2 BPSK	1	137	12.08	12.13	11.96		
100	PI/2 BPSK	1	271	11.97	12.06	12.07		
100	PI/2 BPSK	135	0	11.95	11.98	11.95	13.6	0.0
100	PI/2 BPSK	135	69	12.00	12.07	12.00	13.6	0.0
100	PI/2 BPSK	135	138	11.97	11.95	11.95	13.6	0.0
100	PI/2 BPSK	270	0	11.92	12.08	11.90		
100	QPSK	1	1	12.24	12.26	12.21	13.6	0.0
100	QPSK	1	137	12.13	12.09	12.15		
100	QPSK	1	271	12.17	12.08	12.08		
100	QPSK	135	0	12.05	12.11	12.10	13.6	0.0
100	QPSK	135	69	12.15	12.22	12.05	13.6	0.0
100	QPSK	135	138	11.93	12.06	12.06	13.6	0.0
100	QPSK	270	0	12.03	12.14	12.02		
100	16QAM	1	1	11.99	12.04	12.02	13.6	0.0
100	64QAM	1	1	12.07	12.12	12.00	13.6	0.0
100	256QAM	1	1	11.99	12.07	12.04	13.6	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	12.15	12.20	12.09	13.6	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	12.09	12.18	12.11	13.6	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	12.15	12.21	12.09	13.6	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	12.21	12.22	12.09	13.6	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	12.10	12.12	12.16	13.6	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	12.14	12.21	12.17	13.6	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	12.15	12.18	12.15	13.6	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	12.15	12.19	12.07	13.6	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	12.15	12.16	12.11	13.6	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	12.15	12.18	12.08	13.6	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	12.18	12.22	12.10	13.6	0.0

Part27Q n77 HPUE Ant 6 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		12.75		13.6	0.0
100	PI/2 BPSK	1	137		12.69			
100	PI/2 BPSK	1	271		12.65			
100	PI/2 BPSK	135	0		12.53		13.6	0.0
100	PI/2 BPSK	135	69		12.70		13.6	0.0
100	PI/2 BPSK	135	138		12.60		13.6	0.0
100	PI/2 BPSK	270	0		12.68			
100	QPSK	1	1		12.81		13.6	0.0
100	QPSK	1	137		12.55			
100	QPSK	1	271		12.54			
100	QPSK	135	0		12.67		13.6	0.0
100	QPSK	135	69		12.78		13.6	0.0
100	QPSK	135	138		12.67		13.6	0.0
100	QPSK	270	0		12.71			
100	16QAM	1	1		12.65		13.6	0.0
100	64QAM	1	1		12.61		13.6	0.0
100	256QAM	1	1		12.59		13.6	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	12.66	12.64	12.60	13.6	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	12.64	12.65	12.64	13.6	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	12.68	12.73	12.66	13.6	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	12.60	12.71	12.62	13.6	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	12.65	12.63	12.61	13.6	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.68	12.68	12.60	13.6	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	12.66	12.72	12.57	13.6	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	12.68	12.66	12.56	13.6	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.66	12.71	12.55	13.6	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	12.68	12.70	12.58	13.6	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	12.59	12.66	12.63	13.6	0.0

Part27O n78 HPUE Ant 6 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		12.32		13.6	0.0
100	PI/2 BPSK	1	137		12.28			
100	PI/2 BPSK	1	271		12.23			
100	PI/2 BPSK	135	0		12.19		13.6	0.0
100	PI/2 BPSK	135	69		12.28		13.6	0.0
100	PI/2 BPSK	135	138		12.17		13.6	0.0
100	PI/2 BPSK	270	0		12.27			
100	QPSK	1	1		12.36		13.6	0.0
100	QPSK	1	137		12.25			
100	QPSK	1	271		12.26			
100	QPSK	135	0		12.25		13.6	0.0
100	QPSK	135	69		12.31		13.6	0.0
100	QPSK	135	138		12.23		13.6	0.0
100	QPSK	270	0		12.28			
100	16QAM	1	1		12.17		13.6	0.0
100	64QAM	1	1		12.14		13.6	0.0
100	256QAM	1	1		12.16		13.6	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	12.23	12.31	12.17	13.6	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	12.14	12.23	12.21	13.6	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	12.16	12.26	12.20	13.6	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	12.21	12.32	12.25	13.6	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	12.18	12.30	12.25	13.6	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	12.17	12.27	12.22	13.6	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	12.19	12.24	12.22	13.6	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	12.22	12.33	12.20	13.6	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	12.21	12.24	12.20	13.6	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	12.21	12.33	12.27	13.6	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	12.23	12.26	12.22	13.6	0.0

Part27Q n78 HPUE Ant 6 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		12.64		13.6	0.0
100	PI/2 BPSK	1	137		12.59			
100	PI/2 BPSK	1	271		12.51			
100	PI/2 BPSK	135	0		12.43		13.6	0.0
100	PI/2 BPSK	135	69		12.61		13.6	0.0
100	PI/2 BPSK	135	138		12.52		13.6	0.0
100	PI/2 BPSK	270	0		12.58			
100	QPSK	1	1		12.69		13.6	0.0
100	QPSK	1	137		12.61			
100	QPSK	1	271		12.56			
100	QPSK	135	0		12.60		13.6	0.0
100	QPSK	135	69		12.64		13.6	0.0
100	QPSK	135	138		12.51		13.6	0.0
100	QPSK	270	0		12.59			
100	16QAM	1	1		12.46		13.6	0.0
100	64QAM	1	1		12.53		13.6	0.0
100	256QAM	1	1		12.50		13.6	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	12.54	12.62	12.45	13.6	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	12.51	12.55	12.49	13.6	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	12.50	12.59	12.57	13.6	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	12.53	12.57	12.51	13.6	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	12.53	12.64	12.53	13.6	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.62	12.64	12.56	13.6	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	12.61	12.61	12.50	13.6	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	12.51	12.58	12.54	13.6	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.58	12.64	12.54	13.6	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	12.60	12.60	12.52	13.6	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	12.58	12.61	12.48	13.6	0.0

n48 Part 96 Ant 8 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	16.55	16.67	16.61	17.6	0.0
40	PI/2 BPSK	1	53	16.47	16.53	16.44		
40	PI/2 BPSK	1	104	16.32	16.48	16.48		
40	PI/2 BPSK	50	0	16.50	16.41	16.51	17.6	0.0
40	PI/2 BPSK	50	28	16.46	16.48	16.46	17.6	0.0
40	PI/2 BPSK	50	56	16.37	16.44	16.33	17.6	0.0
40	PI/2 BPSK	100	0	16.34	16.50	16.46		
40	QPSK	1	1	16.59	16.71	16.66	17.6	0.0
40	QPSK	1	53	16.53	16.67	16.60		
40	QPSK	1	104	16.56	16.57	16.51		
40	QPSK	50	0	16.53	16.55	16.55	17.6	0.0
40	QPSK	50	28	16.47	16.62	16.54	17.6	0.0
40	QPSK	50	56	16.52	16.49	16.47	17.6	0.0
40	QPSK	100	0	16.39	16.56	16.50		
40	16QAM	1	1	16.43	16.52	16.41	17.6	0.0
40	64QAM	1	1	16.50	16.55	16.46	17.6	0.0
40	256QAM	1	1	16.40	16.49	16.45	17.5	0.1
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	16.53	16.59	16.54	17.6	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	16.48	16.56	16.54	17.6	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	16.47	16.60	16.57	17.6	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	16.45	16.66	16.59	17.6	0.0

Part27O n77 HPUE Ant 8 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	16.42	16.54	16.51	17.3	0.0
100	PI/2 BPSK	1	137	16.41	16.57	16.33		
100	PI/2 BPSK	1	271	16.28	16.27	16.32		
100	PI/2 BPSK	135	0	16.26	16.36	16.36	17.3	0.0
100	PI/2 BPSK	135	69	16.45	16.41	16.36	17.3	0.0
100	PI/2 BPSK	135	138	16.27	16.29	16.33	17.3	0.0
100	PI/2 BPSK	270	0	16.29	16.41	16.35		
100	QPSK	1	1	16.50	16.59	16.57	17.3	0.0
100	QPSK	1	137	16.47	16.53	16.44		
100	QPSK	1	271	16.38	16.42	16.47		
100	QPSK	135	0	16.44	16.52	16.40	17.3	0.0
100	QPSK	135	69	16.44	16.55	16.45	17.3	0.0
100	QPSK	135	138	16.30	16.34	16.31	17.3	0.0
100	QPSK	270	0	16.38	16.44	16.36		
100	16QAM	1	1	16.40	16.39	16.37	17.3	0.0
100	64QAM	1	1	16.40	16.37	16.30	17.3	0.0
100	256QAM	1	1	16.28	16.39	16.35	17.3	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	16.36	16.50	16.47	17.3	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	16.41	16.50	16.46	17.3	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	16.39	16.51	16.45	17.3	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	16.44	16.44	16.48	17.3	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	16.44	16.45	16.50	17.3	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	16.44	16.49	16.50	17.3	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	16.42	16.50	16.44	17.3	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	16.35	16.55	16.42	17.3	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	16.42	16.49	16.43	17.3	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	16.37	16.55	16.46	17.3	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	16.41	16.53	16.46	17.3	0.0

Part27Q n77 HPUE Ant 8 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		15.76		17.3	0.0
100	PI/2 BPSK	1	137		16.65			
100	PI/2 BPSK	1	271		16.57			
100	PI/2 BPSK	135	0		16.53		17.3	0.0
100	PI/2 BPSK	135	69		16.72		17.3	0.0
100	PI/2 BPSK	135	138		16.49		17.3	0.0
100	PI/2 BPSK	270	0		16.67			
100	QPSK	1	1		16.84		17.3	0.0
100	QPSK	1	137		16.80			
100	QPSK	1	271		16.78			
100	QPSK	135	0		16.71		17.3	0.0
100	QPSK	135	69		16.77		17.3	0.0
100	QPSK	135	138		16.63		17.3	0.0
100	QPSK	270	0		16.69			
100	16QAM	1	1		16.62		17.3	0.0
100	64QAM	1	1		16.66		17.3	0.0
100	256QAM	1	1		16.58		17.3	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.74	16.82	16.71	17.3	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.68	16.76	16.63	17.3	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.69	16.73	16.68	17.3	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.69	16.76	16.68	17.3	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.68	16.82	16.70	17.3	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.69	16.79	16.64	17.3	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.72	16.79	16.73	17.3	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	16.70	16.74	16.68	17.3	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.66	16.81	16.67	17.3	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	16.68	16.83	16.63	17.3	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	16.67	16.74	16.66	17.3	0.0

Part27O n78 HPUE Ant 8 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		16.31		17.3	0.0
100	PI/2 BPSK	1	137		16.27			
100	PI/2 BPSK	1	271		16.20			
100	PI/2 BPSK	135	0		16.13		17.3	0.0
100	PI/2 BPSK	135	69		16.15		17.3	0.0
100	PI/2 BPSK	135	138		16.07		17.3	0.0
100	PI/2 BPSK	270	0		16.24			
100	QPSK	1	1		16.41		17.3	0.0
100	QPSK	1	137		16.39			
100	QPSK	1	271		16.34			
100	QPSK	135	0		16.24		17.3	0.0
100	QPSK	135	69		16.37		17.3	0.0
100	QPSK	135	138		16.22		17.3	0.0
100	QPSK	270	0		16.30			
100	16QAM	1	1		16.21		17.3	0.0
100	64QAM	1	1		16.26		17.3	0.0
100	256QAM	1	1		16.14		17.3	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	16.20	16.31	16.19	17.3	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	16.20	16.29	16.18	17.3	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	16.27	16.27	16.29	17.3	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	16.20	16.36	16.18	17.3	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	16.21	16.29	16.26	17.3	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	16.30	16.28	16.27	17.3	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	16.29	16.28	16.28	17.3	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	16.25	16.29	16.21	17.3	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	16.29	16.36	16.29	17.3	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	16.28	16.32	16.21	17.3	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	16.20	16.37	16.19	17.3	0.0

Part27Q n78 HPUE Ant 8 ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		16.55		17.3	0.0
100	PI/2 BPSK	1	137		16.50			
100	PI/2 BPSK	1	271		16.41			
100	PI/2 BPSK	135	0		16.42		17.3	0.0
100	PI/2 BPSK	135	69		16.36		17.3	0.0
100	PI/2 BPSK	135	138		16.29		17.3	0.0
100	PI/2 BPSK	270	0		16.56			
100	QPSK	1	1		16.63		17.3	0.0
100	QPSK	1	137		16.58			
100	QPSK	1	271		16.52			
100	QPSK	135	0		16.49		17.3	0.0
100	QPSK	135	69		16.56		17.3	0.0
100	QPSK	135	138		16.43		17.3	0.0
100	QPSK	270	0		16.44			
100	16QAM	1	1		16.36		17.3	0.0
100	64QAM	1	1		16.32		17.3	0.0
100	256QAM	1	1		16.30		17.3	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.41	16.52	16.50	17.3	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.51	16.58	16.46	17.3	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.46	16.51	16.43	17.3	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.43	16.49	16.50	17.3	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.53	16.58	16.43	17.3	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.45	16.55	16.38	17.3	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.52	16.60	16.45	17.3	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	16.44	16.53	16.38	17.3	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.52	16.57	16.46	17.3	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	16.52	16.53	16.45	17.3	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	16.43	16.49	16.41	17.3	0.0

Reduced Power Mode for ECI 3

n2 Ant 0 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PI/2 BPSK	1	1	21.01	21.07	20.99		
40	PI/2 BPSK	1	108	20.96	20.94	20.95	22.1	0.0
40	PI/2 BPSK	1	214	20.90	20.93	20.85		
40	PI/2 BPSK	108	0	20.92	21.02	20.82	22.1	0.0
40	PI/2 BPSK	108	54	20.96	20.96	20.88	22.1	0.0
40	PI/2 BPSK	108	108	20.83	20.93	20.84	22.1	0.0
40	PI/2 BPSK	216	0	20.92	20.97	20.90		
40	QPSK	1	1	21.05	21.14	21.11		
40	QPSK	1	108	20.95	21.09	20.90	22.1	0.0
40	QPSK	1	214	20.85	21.01	20.80		
40	QPSK	108	0	20.91	20.99	20.90	22.1	0.0
40	QPSK	108	54	20.90	21.08	20.91	22.1	0.0
40	QPSK	108	108	20.83	20.96	20.85	22.1	0.0
40	QPSK	216	0	20.93	21.02	20.93		
40	16QAM	1	1	20.88	20.98	20.88	22.1	0.0
40	64QAM	1	1	20.21	20.30	20.23	21.6	0.5
40	256QAM	1	1	18.80	18.83	18.74	19.6	2.5
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	20.93	21.01	20.97	0.0	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	20.99	21.04	21.00	0.0	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	20.94	21.06	21.04	0.0	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	20.98	21.09	21.04	0.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	20.97	21.00	20.99	22.1	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	20.90	21.05	21.03	22.1	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	20.91	21.07	21.02	22.1	0.0

n5 Ant 0 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.15	23.22	23.10		
20	PI/2 BPSK	1	53	23.07	23.06	23.14	24.0	0.0
20	PI/2 BPSK	1	104	23.11	23.13	22.99		
20	PI/2 BPSK	50	0	22.54	22.61	22.59	23.5	0.5
20	PI/2 BPSK	50	28	23.06	23.15	23.10	24.0	0.0
20	PI/2 BPSK	50	56	22.37	22.53	22.41	23.5	0.5
20	PI/2 BPSK	100	0	22.58	22.66	22.38		
20	QPSK	1	1	23.23	23.29	23.19		
20	QPSK	1	53	23.20	23.27	22.96	24.0	0.0
20	QPSK	1	104	23.10	23.17	23.06		
20	QPSK	50	0	22.09	22.10	21.88	23.0	1.0
20	QPSK	50	28	23.12	23.26	23.11	24.0	0.0
20	QPSK	50	56	22.02	22.13	21.95	23.0	1.0
20	QPSK	100	0	22.12	22.17	21.86		
20	16QAM	1	1	21.97	22.08	21.93	23.0	1.0
20	64QAM	1	1	20.73	20.76	20.54	21.5	2.5
20	256QAM	1	1	19.29	19.36	19.34	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.13	23.24	23.11	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.14	23.16	23.16	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.08	23.21	23.14	24.0	0.0

n7 Ant 0 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	20.63	20.72	20.54		
50	PI/2 BPSK	1	135	20.55	20.53	20.51	21.7	0.0
50	PI/2 BPSK	1	268	20.43	20.48	20.46		
50	PI/2 BPSK	135	0	20.46	20.59	20.46	21.7	0.0
50	PI/2 BPSK	135	68	20.57	20.52	20.44	21.7	0.0
50	PI/2 BPSK	135	135	20.41	20.55	20.43	21.7	0.0
50	PI/2 BPSK	270	0	20.47	20.59	20.52		
50	QPSK	1	1	20.70	20.78	20.75		
50	QPSK	1	135	20.58	20.72	20.65	21.7	0.0
50	QPSK	1	268	20.59	20.66	20.63		
50	QPSK	135	0	20.48	20.61	20.44	21.7	0.0
50	QPSK	135	68	20.55	20.67	20.47	21.7	0.0
50	QPSK	135	135	20.48	20.56	20.49	21.7	0.0
50	QPSK	270	0	20.55	20.59	20.51		
50	16QAM	1	1	20.49	20.51	20.48	21.7	0.0
50	64QAM	1	1	20.37	20.42	20.31	21.5	0.2
50	256QAM	1	1	19.09	19.06	18.91	19.5	2.2
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	20.63	20.69	20.60	21.7	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	20.56	20.72	20.66	0.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	20.63	20.67	20.63	21.7	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	20.63	20.75	20.64	21.7	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	20.60	20.69	20.72	21.7	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	20.65	20.68	20.64	21.7	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	20.61	20.73	20.62	21.7	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	20.65	20.71	20.66	21.7	0.0

n12 Ant 0 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	23.07	23.19	23.03	24.0	0.0
15	PI/2 BPSK	1	40	23.01	23.05	23.05		
15	PI/2 BPSK	1	77	23.01	23.07	22.97		
15	PI/2 BPSK	36	0	22.46	22.54	22.51	23.5	0.5
15	PI/2 BPSK	36	22	23.05	23.07	22.98	24.0	0.0
15	PI/2 BPSK	36	43	22.29	22.43	22.37	23.5	0.5
15	PI/2 BPSK	75	0	22.51	22.58	22.37		
15	QPSK	1	1	23.13	23.27	23.08	24.0	0.0
15	QPSK	1	40	23.15	23.17	22.95		
15	QPSK	1	77	23.01	23.10	22.99		
15	QPSK	36	0	22.00	22.05	21.84	23.0	1.0
15	QPSK	36	22	23.04	23.24	23.01	24.0	0.0
15	QPSK	36	43	22.00	22.05	21.94	23.0	1.0
15	QPSK	75	0	22.01	22.11	21.85		
15	16QAM	1	1	21.94	21.98	21.85	23.0	1.0
15	64QAM	1	1	20.61	20.67	20.54	21.5	2.5
	256QAM	1	1	19.17	19.31	19.26	19.5	4.5
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	23.08	23.16	23.04	24.0	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	23.10	23.14	22.95	24.0	0.0

n14 Ant 0 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					158600			
Frequency (MHz)					793			
10	PI/2 BPSK	1	1		23.57		24.0	0.0
10	PI/2 BPSK	1	26		23.36			
10	PI/2 BPSK	1	50		23.39			
10	PI/2 BPSK	25	0		22.88		23.5	0.5
10	PI/2 BPSK	25	14		23.43		24.0	0.0
10	PI/2 BPSK	25	27		22.81		23.5	0.5
10	PI/2 BPSK	50	0		22.89			
10	QPSK	1	1		23.63		24.0	0.0
10	QPSK	1	26		23.49			
10	QPSK	1	50		23.45			
10	QPSK	25	0		22.40		23.0	1.0
10	QPSK	25	14		23.55		24.0	0.0
10	QPSK	25	27		22.40		23.0	1.0
10	QPSK	50	0		22.44			
10	16QAM	1	1		22.39		23.0	1.0
10	64QAM	1	1		21.04		21.5	2.5
10	256QAM	1	1		19.33		19.5	4.5
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	23.45	23.48	23.39	24.0	0.0

n25 Ant 0 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	21.12	21.20	21.14	22.1	0.0
40	PI/2 BPSK	1	108	21.14	21.07	21.16		
40	PI/2 BPSK	1	214	21.01	21.13	20.97		
40	PI/2 BPSK	108	0	21.10	21.20	20.99	22.1	0.0
40	PI/2 BPSK	108	54	21.09	21.10	21.08	22.1	0.0
40	PI/2 BPSK	108	108	21.02	21.09	20.97	22.1	0.0
40	PI/2 BPSK	216	0	21.04	21.08	21.00		
40	QPSK	1	1	21.23	21.29	21.21	22.1	0.0
40	QPSK	1	108	21.11	21.21	21.08		
40	QPSK	1	214	20.97	21.14	20.95		
40	QPSK	108	0	21.03	21.11	21.02	22.1	0.0
40	QPSK	108	54	21.08	21.24	21.03	22.1	0.0
40	QPSK	108	108	20.94	21.09	20.97	22.1	0.0
40	QPSK	216	0	21.13	21.21	21.05		
40	16QAM	1	1	21.01	21.19	20.98	22.1	0.0
40	64QAM	1	1	20.70	20.74	20.63	21.5	0.6
40	256QAM	1	1	19.25	19.41	19.34	19.5	2.6
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1	21.16	21.20	21.12	22.1	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	21.15	21.21	21.13	22.1	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	21.16	21.25	21.14	22.1	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	21.13	21.18	21.09	22.1	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	21.15	21.23	21.10	22.1	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	21.19	21.21	21.16	22.1	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	21.17	21.27	21.10	22.1	0.0

n26 Ant 0 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	23.24	23.39	23.25	24.0	0.0
20	PI/2 BPSK	1	53	23.12	23.24	23.21		
20	PI/2 BPSK	1	104	23.14	23.18	23.13		
20	PI/2 BPSK	50	0	22.65	22.75	22.65	23.5	0.5
20	PI/2 BPSK	50	28	23.16	23.26	23.16	24.0	0.0
20	PI/2 BPSK	50	56	22.55	22.65	22.54	23.5	0.5
20	PI/2 BPSK	100	0	22.63	22.70	22.62		
20	QPSK	1	1	23.34	23.40	23.28	24.0	0.0
20	QPSK	1	53	23.24	23.34	23.16		
20	QPSK	1	104	23.22	23.29	23.19		
20	QPSK	50	0	22.20	22.20	22.12	23.0	1.0
20	QPSK	50	28	23.23	23.36	23.19	24.0	0.0
20	QPSK	50	56	22.17	22.19	22.06	23.0	1.0
20	QPSK	100	0	22.20	22.28	22.10		
20	16QAM	1	1	21.85	21.98	21.86	23.0	1.0
20	64QAM	1	1	20.53	20.59	20.58	21.5	2.5
20	256QAM	1	1	19.12	19.15	19.00	19.5	4.5
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	23.22	23.36	23.18	24.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	23.24	23.26	23.15	24.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	23.25	23.30	23.23	24.0	0.0

n30 Ant 0 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					462000			
Frequency (MHz)					2310			
10	PI/2 BPSK	1	1		22.35		23.2	0.0
10	PI/2 BPSK	1	26		22.30			
10	PI/2 BPSK	1	50		22.27			
10	PI/2 BPSK	25	0		22.21		23.2	0.0
10	PI/2 BPSK	25	14		22.31		23.2	0.0
10	PI/2 BPSK	25	27		22.26		23.2	0.0
10	PI/2 BPSK	50	0		22.30			
10	QPSK	1	1		22.42		23.2	0.0
10	QPSK	1	26		22.38			
10	QPSK	1	50		22.31			
10	QPSK	25	0		22.14		23.0	0.2
10	QPSK	25	14		22.36		23.2	0.0
10	QPSK	25	27		22.18		23.0	0.2
10	QPSK	50	0		22.24			
10	16QAM	1	1		22.31		23.0	0.2
10	64QAM	1	1		20.69		21.5	1.7
10	256QAM	1	1		19.02		19.5	3.7
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	22.31	22.34	22.26	23.2	0.0

n66 Ant 0 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	22.63	22.68	22.60	23.8	0.0
40	PI/2 BPSK	1	108	22.62	22.64	22.59		
40	PI/2 BPSK	1	214	22.55	22.65	22.61		
40	PI/2 BPSK	108	0	22.30	22.39	22.26	23.5	0.3
40	PI/2 BPSK	108	54	22.56	22.64	22.54	23.8	0.0
40	PI/2 BPSK	108	108	22.10	22.30	22.15	23.5	0.3
40	PI/2 BPSK	216	0	22.31	22.42	22.23		
40	QPSK	1	1	22.69	22.72	22.65	23.8	0.0
40	QPSK	1	108	22.56	22.68	22.57		
40	QPSK	1	214	22.61	22.65	22.54		
40	QPSK	108	0	21.85	21.89	21.71	23.0	0.8
40	QPSK	108	54	22.62	22.68	22.64	23.8	0.0
40	QPSK	108	108	21.85	21.87	21.80	23.0	0.8
40	QPSK	216	0	21.77	21.92	21.66		
40	16QAM	1	1	21.78	21.81	21.66	23.0	0.8
40	64QAM	1	1	20.45	20.43	20.30	21.5	2.3
40	256QAM	1	1	19.03	19.10	19.08	19.5	4.3
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	22.65	22.67	22.56	23.8	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	22.62	22.63	22.57	23.8	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	22.56	22.65	22.56	23.8	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	22.60	22.68	22.61	23.8	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	22.60	22.69	22.65	23.8	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	22.51	22.66	22.62	23.8	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	22.57	22.61	22.59	23.8	0.0

n70 Ant 0 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					340500			
Frequency (MHz)					1702.5			
15	PI/2 BPSK	1	1		22.09		23.1	0.0
15	PI/2 BPSK	1	40		21.96			
15	PI/2 BPSK	1	77		22.03			
15	PI/2 BPSK	36	0		21.95		23.1	0.0
15	PI/2 BPSK	36	22		22.06		23.1	0.0
15	PI/2 BPSK	36	43		21.88		23.1	0.0
15	PI/2 BPSK	75	0		21.97			
15	QPSK	1	1		22.15		23.1	0.0
15	QPSK	1	40		22.10			
15	QPSK	1	77		22.06			
15	QPSK	36	0		21.98		23.0	0.1
15	QPSK	36	22		22.11		23.1	0.0
15	QPSK	36	43		21.89		23.0	0.1
15	QPSK	75	0		21.92			
15	16QAM	1	1		21.96		23.0	0.1
15	64QAM	1	1		20.52		21.5	1.6
	256QAM	1	1		19.05		19.5	3.6
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	22.03	22.07	22.01	23.1	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	22.02	22.10	22.05	23.1	0.0

n71 Ant 0 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	23.50	23.57	23.42	24.0	0.0
20	PI/2 BPSK	1	53	23.43	23.41	23.46		
20	PI/2 BPSK	1	104	23.28	23.36	23.26		
20	PI/2 BPSK	50	0	22.81	22.93	22.82	23.5	0.5
20	PI/2 BPSK	50	28	23.38	23.34	23.29	24.0	0.0
20	PI/2 BPSK	50	56	22.63	22.85	22.66	23.5	0.5
20	PI/2 BPSK	100	0	22.81	22.91	22.77		
20	QPSK	1	1	23.59	23.69	23.54	24.0	0.0
20	QPSK	1	53	23.48	23.46	23.31		
20	QPSK	1	104	23.31	23.49	23.35		
20	QPSK	50	0	22.32	22.38	22.20	23.0	1.0
20	QPSK	50	28	23.34	23.50	23.26	24.0	0.0
20	QPSK	50	56	22.36	22.38	22.30	23.0	1.0
20	QPSK	100	0	22.24	22.42	22.20		
20	16QAM	1	1	22.29	22.36	22.22	23.0	1.0
20	64QAM	1	1	20.98	21.00	20.87	21.5	2.5
20	256QAM	1	1	19.28	19.45	19.40	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	23.48	23.58	23.50	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	23.56	23.59	23.43	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	23.52	23.60	23.44	24.0	0.0

n41 HPUE Ant 0 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	20.19	20.26	20.17	21.3	0.0
100	PI/2 BPSK	1	137	20.07	20.16	20.07		
100	PI/2 BPSK	1	271	20.15	20.19	20.01		
100	PI/2 BPSK	135	0	20.08	20.12	19.94	21.3	0.0
100	PI/2 BPSK	135	69	20.16	20.23	20.11	21.3	0.0
100	PI/2 BPSK	135	138	20.05	20.10	20.02	21.3	0.0
100	PI/2 BPSK	270	0	20.09	20.14	20.07		
100	QPSK	1	1	20.17	20.34	20.29	21.3	0.0
100	QPSK	1	137	20.11	20.21	20.19		
100	QPSK	1	271	20.17	20.20	20.07		
100	QPSK	135	0	20.08	20.24	20.15	21.3	0.0
100	QPSK	135	69	20.09	20.30	20.13	21.3	0.0
100	QPSK	135	138	20.05	20.14	20.03	21.3	0.0
100	QPSK	270	0	20.14	20.19	20.06		
100	16QAM	1	1	19.95	20.04	20.03	21.3	0.0
100	64QAM	1	1	20.01	20.08	19.86	21.3	0.0
100	256QAM	1	1	20.10	20.16	20.10	21.3	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	20.08	20.29	20.18	21.3	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	20.09	20.28	20.24	21.3	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	20.09	20.23	20.17	21.3	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	20.10	20.27	20.24	21.3	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	20.12	20.22	20.26	21.3	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	20.14	20.25	20.22	21.3	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	20.04	20.30	20.23	21.3	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	20.12	20.30	20.24	21.3	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	20.19	20.23	20.17	21.3	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	20.07	20.25	20.15	21.3	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	20.10	20.20	20.18	21.3	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	20.05	20.21	20.21	21.3	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	20.13	20.29	20.15	21.3	0.0

n2 Ant 1 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PI/2 BPSK	1	1	23.02	23.18	23.04	24.0	0.0
40	PI/2 BPSK	1	108	22.96	23.06	22.95		
40	PI/2 BPSK	1	214	22.89	22.94	22.89		
40	PI/2 BPSK	108	0	22.44	22.46	22.35	23.5	0.5
40	PI/2 BPSK	108	54	23.04	22.94	22.98	24.0	0.0
40	PI/2 BPSK	108	108	22.18	22.37	22.31	23.5	0.5
40	PI/2 BPSK	216	0	22.42	22.49	22.29		
40	QPSK	1	1	23.17	23.19	23.10	24.0	0.0
40	QPSK	1	108	23.07	23.06	22.96		
40	QPSK	1	214	22.93	23.08	22.95		
40	QPSK	108	0	21.95	22.02	21.83	23.0	1.0
40	QPSK	108	54	23.02	23.14	22.86	24.0	0.0
40	QPSK	108	108	21.96	21.92	21.87	23.0	1.0
40	QPSK	216	0	21.89	22.08	21.73		
40	16QAM	1	1	21.94	21.89	21.80	23.0	1.0
40	64QAM	1	1	20.58	20.51	20.42	21.5	2.5
40	256QAM	1	1	19.12	19.24	19.19	19.5	4.5
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	23.03	23.12	22.96	0.0	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	23.09	23.15	22.96	0.0	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	23.03	23.14	22.99	0.0	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	23.03	23.06	23.05	0.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	23.09	23.14	23.03	24.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	23.11	23.10	22.99	24.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	23.09	23.15	22.97	24.0	0.0

n5 Ant 1 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	22.87	22.91	22.82	24.0	0.0
20	PI/2 BPSK	1	53	22.77	22.80	22.84		
20	PI/2 BPSK	1	104	22.76	22.77	22.62		
20	PI/2 BPSK	50	0	22.26	22.26	22.22	23.5	0.5
20	PI/2 BPSK	50	28	22.80	22.79	22.74	24.0	0.0
20	PI/2 BPSK	50	56	21.97	22.21	22.01	23.5	0.5
20	PI/2 BPSK	100	0	22.22	22.37	22.20		
20	QPSK	1	1	22.90	22.99	22.91	24.0	0.0
20	QPSK	1	53	22.92	22.85	22.66		
20	QPSK	1	104	22.74	22.88	22.75		
20	QPSK	50	0	21.74	21.81	21.62	23.0	1.0
20	QPSK	50	28	22.82	22.90	22.77	24.0	0.0
20	QPSK	50	56	21.80	21.77	21.68	23.0	1.0
20	QPSK	100	0	21.72	21.80	21.61		
20	16QAM	1	1	21.64	21.68	21.60	23.0	1.0
20	64QAM	1	1	20.38	20.37	20.23	21.5	2.5
20	256QAM	1	1	18.98	18.99	18.97	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.86	22.93	22.79	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.81	22.87	22.82	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.85	22.89	22.78	24.0	0.0

n7 Ant 1 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	21.71	21.78	21.75	22.9	0.0
50	PI/2 BPSK	1	135	21.61	21.64	21.62		
50	PI/2 BPSK	1	268	21.57	21.69	21.67		
50	PI/2 BPSK	135	0	21.56	21.63	21.60	22.9	0.0
50	PI/2 BPSK	135	68	21.65	21.71	21.61	22.9	0.0
50	PI/2 BPSK	135	135	21.51	21.58	21.52	22.9	0.0
50	PI/2 BPSK	270	0	21.55	21.75	21.60		
50	QPSK	1	1	21.73	21.82	21.78	22.9	0.0
50	QPSK	1	135	21.69	21.79	21.71		
50	QPSK	1	268	21.64	21.69	21.67		
50	QPSK	135	0	21.60	21.74	21.65	22.9	0.0
50	QPSK	135	68	21.66	21.79	21.72	22.9	0.0
50	QPSK	135	135	21.61	21.69	21.59	22.9	0.0
50	QPSK	270	0	21.66	21.72	21.64		
50	16QAM	1	1	21.47	21.52	21.43	22.9	0.0
50	64QAM	1	1	19.98	20.05	19.90	21.5	1.4
50	256QAM	1	1	18.52	18.59	18.53	19.5	3.4
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	21.60	21.76	21.73	22.9	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	21.60	21.71	21.68	22.9	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	21.64	21.66	21.63	22.9	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	21.70	21.79	21.74	22.9	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	21.57	21.69	21.74	22.9	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	21.71	21.77	21.65	22.9	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	21.57	21.70	21.62	22.9	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	21.62	21.71	21.69	22.9	0.0

n12 Ant 1 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	22.83	22.92	22.83	24.0	0.0
15	PI/2 BPSK	1	40	22.80	22.78	22.86		
15	PI/2 BPSK	1	77	22.79	22.78	22.68		
15	PI/2 BPSK	36	0	22.23	22.31	22.27	23.5	0.5
15	PI/2 BPSK	36	22	22.82	22.81	22.79	24.0	0.0
15	PI/2 BPSK	36	43	21.88	22.29	22.01	23.5	0.5
15	PI/2 BPSK	75	0	22.29	22.36	22.21		
15	QPSK	1	1	22.84	23.01	22.94	24.0	0.0
15	QPSK	1	40	22.94	22.91	22.72		
15	QPSK	1	77	22.77	22.83	22.71		
15	QPSK	36	0	21.77	21.88	21.68	23.0	1.0
15	QPSK	36	22	22.83	22.97	22.74	24.0	0.0
15	QPSK	36	43	21.72	21.76	21.57	23.0	1.0
15	QPSK	75	0	21.80	21.81	21.77		
15	16QAM	1	1	21.71	21.75	21.70	23.0	1.0
15	64QAM	1	1	20.19	20.34	20.21	21.5	2.5
	256QAM	1	1	18.97	19.05	18.94	19.5	4.5
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	22.74	22.91	22.89	24.0	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	22.73	22.88	22.83	24.0	0.0

n14 Ant 1 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					158600			
Frequency (MHz)					793			
10	PI/2 BPSK	1	1		23.25		24.0	0.0
10	PI/2 BPSK	1	26		23.14			
10	PI/2 BPSK	1	50		23.05			
10	PI/2 BPSK	25	0		22.60		23.5	0.5
10	PI/2 BPSK	25	14		23.15		24.0	0.0
10	PI/2 BPSK	25	27		22.61		23.5	0.5
10	PI/2 BPSK	50	0		22.69			
10	QPSK	1	1		23.34		24.0	0.0
10	QPSK	1	26		23.21			
10	QPSK	1	50		23.13			
10	QPSK	25	0		22.16		23.0	1.0
10	QPSK	25	14		23.27		24.0	0.0
10	QPSK	25	27		22.08		23.0	1.0
10	QPSK	50	0		22.15			
10	16QAM	1	1		22.09		23.0	1.0
10	64QAM	1	1		20.69		21.5	2.5
10	256QAM	1	1		19.39		19.5	4.5
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	23.15	23.21	23.17	24.0	0.0

n25 Ant 1 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	23.06	23.07	23.01	24.0	0.0
40	PI/2 BPSK	1	108	22.90	22.97	22.98		
40	PI/2 BPSK	1	214	22.87	22.86	22.88		
40	PI/2 BPSK	108	0	22.30	22.42	22.28	23.5	0.5
40	PI/2 BPSK	108	54	22.90	22.89	22.89	24.0	0.0
40	PI/2 BPSK	108	108	22.16	22.40	22.17	23.5	0.5
40	PI/2 BPSK	216	0	22.40	22.48	22.29		
40	QPSK	1	1	23.15	23.20	23.12	24.0	0.0
40	QPSK	1	108	23.08	22.96	22.84		
40	QPSK	1	214	22.85	23.01	22.89		
40	QPSK	108	0	21.93	21.99	21.75	23.0	1.0
40	QPSK	108	54	22.92	23.09	22.80	24.0	0.0
40	QPSK	108	108	21.86	21.88	21.90	23.0	1.0
40	QPSK	216	0	21.82	22.01	21.73		
40	16QAM	1	1	21.88	21.82	21.67	23.0	1.0
40	64QAM	1	1	20.52	20.50	20.30	21.5	2.5
40	256QAM	1	1	19.12	19.19	19.16	19.5	4.5
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1	23.05	23.10	23.04	24.0	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	23.03	23.11	23.08	24.0	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	23.02	23.09	23.03	24.0	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	23.10	23.15	23.06	24.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	23.12	23.07	23.07	24.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	23.12	23.16	23.08	24.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	23.04	23.14	23.00	24.0	0.0

n26 Ant 1 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	22.92	22.99	22.93	24.0	0.0
20	PI/2 BPSK	1	53	22.77	22.92	22.85		
20	PI/2 BPSK	1	104	22.78	22.78	22.84		
20	PI/2 BPSK	50	0	22.22	22.36	22.19	23.5	0.5
20	PI/2 BPSK	50	28	22.84	22.86	22.81	24.0	0.0
20	PI/2 BPSK	50	56	22.10	22.26	22.08	23.5	0.5
20	PI/2 BPSK	100	0	22.32	22.44	22.16		
20	QPSK	1	1	23.06	23.13	22.99	24.0	0.0
20	QPSK	1	53	23.01	22.82	22.80		
20	QPSK	1	104	22.80	22.97	22.78		
20	QPSK	50	0	21.89	21.84	21.67	23.0	1.0
20	QPSK	50	28	22.82	23.04	22.69	24.0	0.0
20	QPSK	50	56	21.73	21.85	21.79	23.0	1.0
20	QPSK	100	0	21.74	21.88	21.62		
20	16QAM	1	1	21.79	21.78	21.53	23.0	1.0
20	64QAM	1	1	20.44	20.37	20.16	21.5	2.5
20	256QAM	1	1	19.00	19.15	19.03	19.5	4.5
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	22.99	23.05	22.84	24.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	22.96	23.00	22.92	24.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	22.92	23.07	22.85	24.0	0.0

n30 Ant 1 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					462000			
Frequency (MHz)					2310			
10	PI/2 BPSK	1	1		22.06		23.3	0.0
10	PI/2 BPSK	1	26		22.01			
10	PI/2 BPSK	1	50		21.97			
10	PI/2 BPSK	25	0		22.02		23.3	0.0
10	PI/2 BPSK	25	14		22.04		23.3	0.0
10	PI/2 BPSK	25	27		21.92		23.3	0.0
10	PI/2 BPSK	50	0		21.97			
10	QPSK	1	1		22.10		23.3	0.0
10	QPSK	1	26		22.06			
10	QPSK	1	50		22.01			
10	QPSK	25	0		21.77		23.0	0.3
10	QPSK	25	14		22.05		23.3	0.0
10	QPSK	25	27		21.76		23.0	0.3
10	QPSK	50	0		21.84			
10	16QAM	1	1		21.64		23.0	0.3
10	64QAM	1	1		20.27		21.5	1.8
10	256QAM	1	1		19.09		19.5	3.8
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	22.01	22.06	22.03	23.3	0.0

n66 Ant 1 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	22.31	22.41	22.33	23.5	0.0
40	PI/2 BPSK	1	108	22.20	22.28	22.25		
40	PI/2 BPSK	1	214	22.19	22.29	22.22		
40	PI/2 BPSK	108	0	22.16	22.24	22.19	23.5	0.0
40	PI/2 BPSK	108	54	22.26	22.40	22.30	23.5	0.0
40	PI/2 BPSK	108	108	22.13	22.30	22.20	23.5	0.0
40	PI/2 BPSK	216	0	22.26	22.23	22.31		
40	QPSK	1	1	22.36	22.47	22.41	23.5	0.0
40	QPSK	1	108	22.30	22.33	22.24		
40	QPSK	1	214	22.21	22.25	22.19		
40	QPSK	108	0	22.13	22.15	21.98	23.0	0.5
40	QPSK	108	54	22.32	22.43	22.36	23.5	0.0
40	QPSK	108	108	22.18	22.20	22.09	23.0	0.5
40	QPSK	216	0	22.03	22.22	22.01		
40	16QAM	1	1	21.77	21.82	21.67	23.0	0.5
40	64QAM	1	1	20.32	20.43	20.34	21.5	2.0
40	256QAM	1	1	18.77	18.91	18.86	19.5	4.0
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	22.32	22.38	22.30	23.5	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	22.30	22.30	22.39	23.5	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	22.23	22.36	22.31	23.5	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	22.29	22.39	22.32	23.5	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	22.34	22.38	22.31	23.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	22.39	22.42	22.34	23.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	22.32	22.40	22.37	23.5	0.0

n70 Ant 1 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					340500			
Frequency (MHz)					1702.5			
15	PI/2 BPSK	1	1		23.09		24.0	0.0
15	PI/2 BPSK	1	40		23.02			
15	PI/2 BPSK	1	77		23.00			
15	PI/2 BPSK	36	0		23.05		24.0	0.0
15	PI/2 BPSK	36	22		23.05		24.0	0.0
15	PI/2 BPSK	36	43		22.88		24.0	0.0
15	PI/2 BPSK	75	0		23.09			
15	QPSK	1	1		23.13		24.0	0.0
15	QPSK	1	40		23.08			
15	QPSK	1	77		23.02			
15	QPSK	36	0		22.47		23.5	0.5
15	QPSK	36	22		23.06		24.0	0.0
15	QPSK	36	43		22.52		23.5	0.5
15	QPSK	75	0		22.57			
15	16QAM	1	1		22.10		23.5	0.5
15	64QAM	1	1		20.74		22.0	2.0
	256QAM	1	1		19.17		20.0	4.0
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	22.98	23.07	23.03	24.0	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	22.94	23.05	23.01	24.0	0.0

n71 Ant 1 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	23.33	23.49	23.30	24.0	0.0
20	PI/2 BPSK	1	53	23.26	23.32	23.30		
20	PI/2 BPSK	1	104	23.33	23.19	23.15		
20	PI/2 BPSK	50	0	22.75	22.85	22.68	23.5	0.5
20	PI/2 BPSK	50	28	23.27	23.32	23.15	24.0	0.0
20	PI/2 BPSK	50	56	22.53	22.71	22.63	23.5	0.5
20	PI/2 BPSK	100	0	22.64	22.91	22.59		
20	QPSK	1	1	23.47	23.50	23.36	24.0	0.0
20	QPSK	1	53	23.28	23.36	23.22		
20	QPSK	1	104	23.28	23.45	23.21		
20	QPSK	50	0	22.28	22.29	22.08	23.0	1.0
20	QPSK	50	28	23.35	23.39	23.12	24.0	0.0
20	QPSK	50	56	22.28	22.30	22.18	23.0	1.0
20	QPSK	100	0	22.16	22.36	22.18		
20	16QAM	1	1	22.05	22.17	22.02	23.0	1.0
20	64QAM	1	1	20.73	20.86	20.71	21.5	2.5
20	256QAM	1	1	19.40	19.43	19.34	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	23.38	23.44	23.32	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	23.34	23.37	23.23	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	23.34	23.42	23.30	24.0	0.0

n41 HPUE Ant 1 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	19.55	19.60	19.49	20.6	0.0
100	PI/2 BPSK	1	137	19.38	19.48	19.46		
100	PI/2 BPSK	1	271	19.38	19.45	19.40		
100	PI/2 BPSK	135	0	19.40	19.53	19.39	20.6	0.0
100	PI/2 BPSK	135	69	19.43	19.48	19.47	20.6	0.0
100	PI/2 BPSK	135	138	19.39	19.36	19.34	20.6	0.0
100	PI/2 BPSK	270	0	19.42	19.43	19.45		
100	QPSK	1	1	19.64	19.67	19.62	20.6	0.0
100	QPSK	1	137	19.59	19.58	19.43		
100	QPSK	1	271	19.47	19.53	19.40		
100	QPSK	135	0	19.40	19.52	19.57	20.6	0.0
100	QPSK	135	69	19.51	19.59	19.55	20.6	0.0
100	QPSK	135	138	19.47	19.50	19.47	20.6	0.0
100	QPSK	270	0	19.43	19.52	19.48		
100	16QAM	1	1	19.34	19.39	19.37	20.6	0.0
100	64QAM	1	1	19.35	19.48	19.25	20.6	0.0
100	256QAM	1	1	19.26	19.40	19.31	20.6	0.0
Channel				506200	518598	526996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	19.49	19.64	19.53	20.6	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	19.48	19.61	19.46	20.6	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	19.49	19.62	19.47	20.6	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	19.54	19.61	19.51	20.6	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	19.46	19.53	19.45	20.6	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	19.50	19.60	19.54	20.6	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	19.61	19.57	19.53	20.6	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	19.55	19.65	19.45	20.6	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	19.53	19.60	19.55	20.6	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	19.59	19.55	19.44	20.6	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	19.61	19.53	19.47	20.6	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	19.54	19.65	19.55	20.6	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	19.56	19.59	19.49	20.6	0.0

n2 Ant 2 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PI/2 BPSK	1	1	16.79	16.86	16.81	17.8	0.0
40	PI/2 BPSK	1	108	16.69	16.79	16.75		
40	PI/2 BPSK	1	214	16.64	16.71	16.74		
40	PI/2 BPSK	108	0	16.72	16.80	16.75	17.8	0.0
40	PI/2 BPSK	108	54	16.78	16.83	16.70	17.8	0.0
40	PI/2 BPSK	108	108	16.72	16.62	16.68	17.8	0.0
40	PI/2 BPSK	216	0	16.70	16.77	16.71		
40	QPSK	1	1	16.88	16.91	16.90	17.8	0.0
40	QPSK	1	108	16.79	16.85	16.81		
40	QPSK	1	214	16.77	16.80	16.85		
40	QPSK	108	0	16.80	16.83	16.78	17.8	0.0
40	QPSK	108	54	16.82	16.88	16.74	17.8	0.0
40	QPSK	108	108	16.72	16.75	16.65	17.8	0.0
40	QPSK	216	0	16.63	16.81	16.71		
40	16QAM	1	1	16.66	16.76	16.65	17.8	0.0
40	64QAM	1	1	16.71	16.84	16.67	17.8	0.0
40	256QAM	1	1	16.70	16.77	16.66	17.8	0.0
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	16.74	16.85	16.75	0.0	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	16.74	16.84	16.78	0.0	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	16.80	16.82	16.79	0.0	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	16.74	16.80	16.79	0.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	16.77	16.80	16.81	17.8	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	16.79	16.83	16.75	17.8	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	16.74	16.79	16.75	17.8	0.0

n7 Ant 2 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	18.90	18.90	18.85	20.0	0.0
50	PI/2 BPSK	1	135	18.83	18.87	18.82		
50	PI/2 BPSK	1	268	18.85	18.89	18.82		
50	PI/2 BPSK	135	0	18.93	18.98	18.82	20.0	0.0
50	PI/2 BPSK	135	68	18.92	18.96	18.88	20.0	0.0
50	PI/2 BPSK	135	135	18.90	18.99	18.88	20.0	0.0
50	PI/2 BPSK	270	0	18.83	18.90	18.80		
50	QPSK	1	1	19.00	19.05	18.97	20.0	0.0
50	QPSK	1	135	18.93	19.00	18.84		
50	QPSK	1	268	18.87	18.98	18.90		
50	QPSK	135	0	18.94	18.97	18.85	20.0	0.0
50	QPSK	135	68	18.86	18.99	18.89	20.0	0.0
50	QPSK	135	135	18.88	18.97	18.83	20.0	0.0
50	QPSK	270	0	18.87	18.95	18.84		
50	16QAM	1	1	18.91	18.91	18.81	20.0	0.0
50	64QAM	1	1	18.84	18.91	18.80	20.0	0.0
50	256QAM	1	1	18.45	18.50	18.37	19.5	0.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	18.86	18.97	18.83	20.0	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	18.92	18.95	18.80	0.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	18.83	18.98	18.88	20.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	18.82	18.92	18.90	20.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	18.87	18.94	18.86	20.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	18.91	18.88	18.79	20.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	18.82	18.97	18.82	20.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	18.84	18.94	18.83	20.0	0.0

n25 Ant 2 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	16.92	16.99	16.90	17.8	0.0
40	PI/2 BPSK	1	108	16.81	16.95	16.90		
40	PI/2 BPSK	1	214	16.80	16.83	16.89		
40	PI/2 BPSK	108	0	16.88	16.97	16.87	17.8	0.0
40	PI/2 BPSK	108	54	16.84	16.98	16.80	17.8	0.0
40	PI/2 BPSK	108	108	16.79	16.76	16.78	17.8	0.0
40	PI/2 BPSK	216	0	16.84	16.94	16.77		
40	QPSK	1	1	16.99	17.06	16.96	17.8	0.0
40	QPSK	1	108	16.93	16.99	16.90		
40	QPSK	1	214	16.88	16.92	16.85		
40	QPSK	108	0	16.89	16.90	16.88	17.8	0.0
40	QPSK	108	54	16.87	16.94	16.87	17.8	0.0
40	QPSK	108	108	16.79	16.82	16.70	17.8	0.0
40	QPSK	216	0	16.79	16.88	16.80		
40	16QAM	1	1	16.77	16.83	16.80	17.8	0.0
40	64QAM	1	1	16.84	16.99	16.84	17.8	0.0
40	256QAM	1	1	16.85	16.87	16.72	17.8	0.0
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1	16.91	16.95	16.96	17.8	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	16.92	16.99	16.82	17.8	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	16.90	17.02	16.85	17.8	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	16.91	16.93	16.85	17.8	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	16.85	16.95	16.83	17.8	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	16.89	16.99	16.90	17.8	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	16.88	16.94	16.85	17.8	0.0

n30 Ant 2 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					462000			
Frequency (MHz)					2310			
10	PI/2 BPSK	1	1		18.84		19.8	0.0
10	PI/2 BPSK	1	26		18.91			
10	PI/2 BPSK	1	50		18.84			
10	PI/2 BPSK	25	0		18.75		19.8	0.0
10	PI/2 BPSK	25	14		18.87		19.8	0.0
10	PI/2 BPSK	25	27		18.70		19.8	0.0
10	PI/2 BPSK	50	0		18.81			
10	QPSK	1	1		18.98		19.8	0.0
10	QPSK	1	26		18.91			
10	QPSK	1	50		18.82			
10	QPSK	25	0		18.83		19.8	0.0
10	QPSK	25	14		18.91		19.8	0.0
10	QPSK	25	27		18.77		19.8	0.0
10	QPSK	50	0		18.85			
10	16QAM	1	1		18.77		19.8	0.0
10	64QAM	1	1		18.69		19.8	0.0
10	256QAM	1	1		18.65		19.8	0.0
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	18.84	18.92	18.89	19.8	0.0

n66 Ant 2 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	18.15	18.32	18.25	19.3	0.0
40	PI/2 BPSK	1	108	18.22	18.30	18.16		
40	PI/2 BPSK	1	214	18.18	18.24	18.08		
40	PI/2 BPSK	108	0	18.24	18.27	18.14	19.3	0.0
40	PI/2 BPSK	108	54	18.30	18.36	18.21	19.3	0.0
40	PI/2 BPSK	108	108	18.10	18.21	18.15	19.3	0.0
40	PI/2 BPSK	216	0	18.27	18.31	18.28		
40	QPSK	1	1	18.30	18.42	18.33	19.3	0.0
40	QPSK	1	108	18.26	18.28	18.25		
40	QPSK	1	214	18.20	18.22	18.09		
40	QPSK	108	0	18.22	18.28	18.24	19.3	0.0
40	QPSK	108	54	18.26	18.35	18.28	19.3	0.0
40	QPSK	108	108	18.17	18.22	18.08	19.3	0.0
40	QPSK	216	0	18.23	18.28	18.19		
40	16QAM	1	1	18.19	18.21	18.22	19.3	0.0
40	64QAM	1	1	18.12	18.24	18.18	19.3	0.0
40	256QAM	1	1	18.11	18.19	18.16	19.3	0.0
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	18.19	18.37	18.25	19.3	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	18.22	18.28	18.26	19.3	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	18.18	18.31	18.30	19.3	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	18.24	18.30	18.25	19.3	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	18.22	18.39	18.22	19.3	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	18.20	18.30	18.25	19.3	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	18.22	18.35	18.24	19.3	0.0

n70 Ant 2 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					340500			
Frequency (MHz)					1702.5			
15	PI/2 BPSK	1	1		18.18		19.4	0.0
15	PI/2 BPSK	1	40		18.13			
15	PI/2 BPSK	1	77		18.11			
15	PI/2 BPSK	36	0		18.10		19.4	0.0
15	PI/2 BPSK	36	22		18.16		19.4	0.0
15	PI/2 BPSK	36	43		17.97		19.4	0.0
15	PI/2 BPSK	75	0		18.09			
15	QPSK	1	1		18.24		19.4	0.0
15	QPSK	1	40		18.07			
15	QPSK	1	77		18.10			
15	QPSK	36	0		18.11		19.4	0.0
15	QPSK	36	22		18.21		19.4	0.0
15	QPSK	36	43		18.01		19.4	0.0
15	QPSK	75	0		18.05			
15	16QAM	1	1		18.03		19.4	0.0
15	64QAM	1	1		18.01		19.4	0.0
15	256QAM	1	1		17.97		19.4	0.0
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	18.09	18.17	18.14	19.4	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	18.10	18.13	18.06	19.4	0.0

n41 HPUE Ant 2 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	17.64	17.71	17.67	19.0	0.0
100	PI/2 BPSK	1	137	17.57	17.67	17.52		
100	PI/2 BPSK	1	271	17.52	17.60	17.55		
100	PI/2 BPSK	135	0	17.42	17.61	17.50	19.0	0.0
100	PI/2 BPSK	135	69	17.52	17.68	17.50	19.0	0.0
100	PI/2 BPSK	135	138	17.49	17.57	17.42	19.0	0.0
100	PI/2 BPSK	270	0	17.45	17.59	17.54		
100	QPSK	1	1	17.69	17.78	17.74	19.0	0.0
100	QPSK	1	137	17.56	17.61	17.53		
100	QPSK	1	271	17.69	17.61	17.55		
100	QPSK	135	0	17.52	17.57	17.38	19.0	0.0
100	QPSK	135	69	17.59	17.73	17.55	19.0	0.0
100	QPSK	135	138	17.51	17.63	17.48	19.0	0.0
100	QPSK	270	0	17.56	17.68	17.46		
100	16QAM	1	1	17.52	17.48	17.52	19.0	0.0
100	64QAM	1	1	17.56	17.52	17.37	19.0	0.0
100	256QAM	1	1	17.41	17.46	17.39	19.0	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	17.60	17.68	17.69	19.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	17.63	17.70	17.69	19.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	17.59	17.71	17.70	19.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	17.63	17.72	17.70	19.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	17.65	17.68	17.62	19.0	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	17.61	17.74	17.70	19.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	17.62	17.70	17.67	19.0	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	17.63	17.67	17.67	19.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	17.56	17.70	17.61	19.0	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	17.55	17.64	17.62	19.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	17.55	17.73	17.65	19.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	17.58	17.68	17.62	19.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	17.64	17.67	17.59	19.0	0.0

n2 Ant 3 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PI/2 BPSK	1	1	20.06	20.13	20.04	21.1	0.0
40	PI/2 BPSK	1	108	20.00	20.10	20.02		
40	PI/2 BPSK	1	214	19.93	20.11	19.92		
40	PI/2 BPSK	108	0	20.03	20.15	19.97	21.1	0.0
40	PI/2 BPSK	108	54	20.05	20.11	19.96	21.1	0.0
40	PI/2 BPSK	108	108	19.94	20.06	19.94	21.1	0.0
40	PI/2 BPSK	216	0	20.08	20.13	20.12		
40	QPSK	1	1	20.05	20.18	20.11	21.1	0.0
40	QPSK	1	108	20.00	20.13	20.03		
40	QPSK	1	214	20.11	20.09	19.92		
40	QPSK	108	0	20.02	20.10	20.06	21.1	0.0
40	QPSK	108	54	20.12	20.15	20.07	21.1	0.0
40	QPSK	108	108	20.00	20.05	20.01	21.1	0.0
40	QPSK	216	0	20.01	20.12	20.00		
40	16QAM	1	1	20.00	20.10	20.01	21.1	0.0
40	64QAM	1	1	19.92	20.00	20.00	21.1	0.0
40	256QAM	1	1	19.19	19.31	19.28	19.5	1.6
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	20.02	20.15	20.07	0.0	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	20.02	20.06	19.96	0.0	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	19.94	20.10	20.04	0.0	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	19.91	20.05	19.98	0.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	19.95	20.11	20.03	21.1	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	19.91	20.08	19.97	21.1	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	19.91	20.04	19.99	21.1	0.0

n7 Ant 3 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	18.61	18.73	18.68	19.9	0.0
50	PI/2 BPSK	1	135	18.50	18.66	18.53		
50	PI/2 BPSK	1	268	18.50	18.55	18.53		
50	PI/2 BPSK	135	0	18.63	18.56	18.62	19.9	0.0
50	PI/2 BPSK	135	68	18.57	18.56	18.48	19.9	0.0
50	PI/2 BPSK	135	135	18.48	18.59	18.43	19.9	0.0
50	PI/2 BPSK	270	0	18.43	18.45	18.51		
50	QPSK	1	1	18.71	18.80	18.70	19.9	0.0
50	QPSK	1	135	18.70	18.65	18.66		
50	QPSK	1	268	18.61	18.67	18.68		
50	QPSK	135	0	18.55	18.63	18.55	19.9	0.0
50	QPSK	135	68	18.67	18.70	18.48	19.9	0.0
50	QPSK	135	135	18.50	18.50	18.43	19.9	0.0
50	QPSK	270	0	18.53	18.66	18.51		
50	16QAM	1	1	18.50	18.61	18.54	19.9	0.0
50	64QAM	1	1	18.57	18.63	18.51	19.5	0.4
50	256QAM	1	1	18.60	18.67	18.51	19.5	0.4
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	18.57	18.76	18.64	19.9	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	18.59	18.69	18.63	0.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	18.65	18.75	18.65	19.9	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	18.57	18.73	18.60	19.9	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	18.65	18.75	18.60	19.9	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	18.66	18.68	18.64	19.9	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	18.67	18.71	18.61	19.9	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	18.64	18.67	18.60	19.9	0.0

n25 Ant 3 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	20.09	20.18	20.06	21.1	0.0
40	PI/2 BPSK	1	108	20.02	20.13	20.12		
40	PI/2 BPSK	1	214	20.04	20.12	20.04		
40	PI/2 BPSK	108	0	20.14	20.17	20.08	21.1	0.0
40	PI/2 BPSK	108	54	20.15	20.16	20.05	21.1	0.0
40	PI/2 BPSK	108	108	20.06	20.17	19.98	21.1	0.0
40	PI/2 BPSK	216	0	20.18	20.20	20.12		
40	QPSK	1	1	20.14	20.23	20.19	21.1	0.0
40	QPSK	1	108	20.12	20.16	20.11		
40	QPSK	1	214	20.07	20.20	20.14		
40	QPSK	108	0	20.09	20.12	20.08	21.1	0.0
40	QPSK	108	54	20.17	20.19	20.08	21.1	0.0
40	QPSK	108	108	20.05	20.09	20.02	21.1	0.0
40	QPSK	216	0	20.12	20.14	20.10		
40	16QAM	1	1	20.09	20.15	20.06	21.1	0.0
40	64QAM	1	1	19.98	20.01	20.00	21.1	0.0
40	256QAM	1	1	19.21	19.29	19.28	19.5	1.6
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1	20.12	20.19	20.16	21.1	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	20.01	20.14	20.13	21.1	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	20.02	20.10	20.06	21.1	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	20.11	20.16	20.10	21.1	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	20.06	20.13	20.15	21.1	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	20.09	20.16	20.10	21.1	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	20.08	20.19	20.07	21.1	0.0

n30 Ant 3 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					462000			
Frequency (MHz)					2310			
10	PI/2 BPSK	1	1		21.04		22.2	0.0
10	PI/2 BPSK	1	26		20.91			
10	PI/2 BPSK	1	50		20.97			
10	PI/2 BPSK	25	0		21.03		22.2	0.0
10	PI/2 BPSK	25	14		20.94		22.2	0.0
10	PI/2 BPSK	25	27		20.89		22.2	0.0
10	PI/2 BPSK	50	0		20.94			
10	QPSK	1	1		21.07		22.2	0.0
10	QPSK	1	26		21.03			
10	QPSK	1	50		20.96			
10	QPSK	25	0		21.00		22.2	0.0
10	QPSK	25	14		21.03		22.2	0.0
10	QPSK	25	27		20.91		22.2	0.0
10	QPSK	50	0		20.98			
10	16QAM	1	1		20.87		22.2	0.0
10	64QAM	1	1		20.67		21.5	0.7
10	256QAM	1	1		19.48		19.5	2.7
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	20.95	21.02	20.98	22.2	0.0

n66 Ant 3 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	20.49	20.55	20.46	21.6	0.0
40	PI/2 BPSK	1	108	20.43	20.54	20.46		
40	PI/2 BPSK	1	214	20.28	20.42	20.40		
40	PI/2 BPSK	108	0	20.43	20.52	20.37	21.6	0.0
40	PI/2 BPSK	108	54	20.43	20.51	20.31	21.6	0.0
40	PI/2 BPSK	108	108	20.29	20.43	20.38	21.6	0.0
40	PI/2 BPSK	216	0	20.47	20.51	20.47		
40	QPSK	1	1	20.50	20.63	20.54	21.6	0.0
40	QPSK	1	108	20.45	20.58	20.47		
40	QPSK	1	214	20.41	20.53	20.34		
40	QPSK	108	0	20.46	20.43	20.45	21.6	0.0
40	QPSK	108	54	20.48	20.56	20.45	21.6	0.0
40	QPSK	108	108	20.28	20.41	20.37	21.6	0.0
40	QPSK	216	0	20.35	20.46	20.36		
40	16QAM	1	1	20.43	20.44	20.36	21.6	0.0
40	64QAM	1	1	20.41	20.42	20.30	21.5	0.1
40	256QAM	1	1	19.08	19.13	19.15	19.5	2.1
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	20.37	20.59	20.48	21.6	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	20.46	20.50	20.41	21.6	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	20.36	20.52	20.42	21.6	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	20.35	20.49	20.44	21.6	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	20.40	20.48	20.46	21.6	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	20.42	20.50	20.41	21.6	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	20.44	20.53	20.51	21.6	0.0

n70 Ant 3 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					340500			
Frequency (MHz)					1702.5			
15	PI/2 BPSK	1	1		21.92		23.2	0.0
15	PI/2 BPSK	1	40		21.87			
15	PI/2 BPSK	1	77		21.80			
15	PI/2 BPSK	36	0		21.76		23.2	0.0
15	PI/2 BPSK	36	22		21.88		23.2	0.0
15	PI/2 BPSK	36	43		21.76		23.2	0.0
15	PI/2 BPSK	75	0		21.81			
15	QPSK	1	1		21.98		23.2	0.0
15	QPSK	1	40		21.93			
15	QPSK	1	77		21.89			
15	QPSK	36	0		21.80		23.0	0.2
15	QPSK	36	22		21.94		23.2	0.0
15	QPSK	36	43		21.81		23.0	0.2
15	QPSK	75	0		21.88			
15	16QAM	1	1		21.71		23.0	0.2
15	64QAM	1	1		20.68		21.5	1.7
	256QAM	1	1		19.33		19.5	3.7
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	21.73	21.85	21.79	23.2	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	21.80	21.90	21.74	23.2	0.0

n41 HPUE Ant 3 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	19.74	19.72	19.64	20.7	0.0
100	PI/2 BPSK	1	137	19.47	19.71	19.58		
100	PI/2 BPSK	1	271	19.52	19.58	19.50		
100	PI/2 BPSK	135	0	19.39	19.54	19.35	20.7	0.0
100	PI/2 BPSK	135	69	19.43	19.59	19.54	20.7	0.0
100	PI/2 BPSK	135	138	19.50	19.38	19.38	20.7	0.0
100	PI/2 BPSK	270	0	19.57	19.43	19.47		
100	QPSK	1	1	19.76	19.78	19.70	20.7	0.0
100	QPSK	1	137	19.57	19.64	19.65		
100	QPSK	1	271	19.44	19.67	19.44		
100	QPSK	135	0	19.54	19.66	19.55	20.7	0.0
100	QPSK	135	69	19.67	19.72	19.56	20.7	0.0
100	QPSK	135	138	19.58	19.62	19.50	20.7	0.0
100	QPSK	270	0	19.57	19.67	19.53		
100	16QAM	1	1	19.48	19.38	19.55	20.7	0.0
100	64QAM	1	1	19.47	19.58	19.48	20.7	0.0
100	256QAM	1	1	19.53	19.55	19.57	20.5	0.2
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	19.62	19.65	19.57	20.7	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	19.66	19.70	19.60	20.7	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	19.61	19.77	19.62	20.7	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	19.61	19.76	19.66	20.7	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	19.66	19.69	19.60	20.7	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	19.71	19.73	19.59	20.7	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	19.69	19.66	19.56	20.7	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	19.69	19.77	19.59	20.7	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	19.68	19.73	19.57	20.7	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	19.71	19.76	19.56	20.7	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	19.62	19.74	19.61	20.7	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	19.70	19.77	19.63	20.7	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	19.62	19.75	19.66	20.7	0.0

n48 Part 96 Ant 3 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	19.80	19.85	19.75	21.0	0.0
40	PI/2 BPSK	1	53	19.78	19.83	19.66		
40	PI/2 BPSK	1	104	19.65	19.70	19.67		
40	PI/2 BPSK	50	0	19.66	19.79	19.69	21.0	0.0
40	PI/2 BPSK	50	28	19.79	19.80	19.61	21.0	0.0
40	PI/2 BPSK	50	56	19.66	19.78	19.61	21.0	0.0
40	PI/2 BPSK	100	0	19.72	19.73	19.78		
40	QPSK	1	1	19.81	19.92	19.88	21.0	0.0
40	QPSK	1	53	19.79	19.79	19.77		
40	QPSK	1	104	19.68	19.78	19.58		
40	QPSK	50	0	19.76	19.77	19.69	21.0	0.0
40	QPSK	50	28	19.71	19.84	19.76	21.0	0.0
40	QPSK	50	56	19.66	19.78	19.60	21.0	0.0
40	QPSK	100	0	19.68	19.81	19.70		
40	16QAM	1	1	19.69	19.74	19.70	21.0	0.0
40	64QAM	1	1	19.63	19.71	19.59	21.0	0.0
40	256QAM	1	1	18.31	18.42	18.38	19.5	1.5
Channel				637602	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	19.63	19.82	19.72	21.0	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	19.61	19.76	19.67	21.0	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	19.61	19.85	19.71	21.0	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	19.62	19.75	19.71	21.0	0.0

Part27O n77 HPUE Ant 3 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	18.66	18.79	18.67	19.7	0.0
100	PI/2 BPSK	1	137	18.56	18.70	18.56		
100	PI/2 BPSK	1	271	18.48	18.71	18.56		
100	PI/2 BPSK	135	0	18.59	18.64	18.39	19.7	0.0
100	PI/2 BPSK	135	69	18.56	18.78	18.49	19.7	0.0
100	PI/2 BPSK	135	138	18.49	18.54	18.37	19.7	0.0
100	PI/2 BPSK	270	0	18.65	18.62	18.51		
100	QPSK	1	1	18.75	18.85	18.77	19.7	0.0
100	QPSK	1	137	18.65	18.81	18.63		
100	QPSK	1	271	18.60	18.67	18.55		
100	QPSK	135	0	18.69	18.68	18.75	19.7	0.0
100	QPSK	135	69	18.70	18.82	18.58	19.7	0.0
100	QPSK	135	138	18.57	18.69	18.61	19.7	0.0
100	QPSK	270	0	18.52	18.74	18.57		
100	16QAM	1	1	18.54	18.66	18.69	19.7	0.0
100	64QAM	1	1	18.41	18.49	18.39	19.7	0.0
100	256QAM	1	1	18.36	18.42	18.33	19.7	0.0
Channel				649600	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.68	18.81	18.67	19.7	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	18.61	18.80	18.67	19.7	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	18.65	18.71	18.72	19.7	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	18.63	18.77	18.67	19.7	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	18.58	18.69	18.72	19.7	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	18.71	18.81	18.62	19.7	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	18.61	18.75	18.69	19.7	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	18.58	18.73	18.69	19.7	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	18.71	18.83	18.67	19.7	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	18.68	18.80	18.61	19.7	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	18.66	18.78	18.70	19.7	0.0

Part27Q n77 HPUE Ant 3 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		18.83		19.7	0.0
100	PI/2 BPSK	1	137		18.79			
100	PI/2 BPSK	1	271		18.72			
100	PI/2 BPSK	135	0		18.66		19.7	0.0
100	PI/2 BPSK	135	69		18.69		19.7	0.0
100	PI/2 BPSK	135	138		18.46		19.7	0.0
100	PI/2 BPSK	270	0		18.63			
100	QPSK	1	1		18.87		19.7	0.0
100	QPSK	1	137		18.56			
100	QPSK	1	271		18.72			
100	QPSK	135	0		18.58		19.7	0.0
100	QPSK	135	69		18.77		19.7	0.0
100	QPSK	135	138		18.61		19.7	0.0
100	QPSK	270	0		18.69			
100	16QAM	1	1		18.65		19.7	0.0
100	64QAM	1	1		18.44		19.7	0.0
100	256QAM	1	1		18.59		19.7	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	18.66	18.78	18.69	19.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.65	18.72	18.63	19.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	18.69	18.76	18.75	19.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.64	18.85	18.64	19.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	18.78	18.73	18.69	19.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.76	18.81	18.63	19.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.65	18.72	18.66	19.7	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	18.75	18.80	18.61	19.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.73	18.70	18.66	19.7	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	18.68	18.71	18.72	19.7	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	18.69	18.82	18.75	19.7	0.0

Part27O n78 HPUE Ant 3 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		18.62		19.7	0.0
100	PI/2 BPSK	1	137		18.59			
100	PI/2 BPSK	1	271		18.56			
100	PI/2 BPSK	135	0		18.48		19.7	0.0
100	PI/2 BPSK	135	69		18.55		19.7	0.0
100	PI/2 BPSK	135	138		18.48		19.7	0.0
100	PI/2 BPSK	270	0		18.52			
100	QPSK	1	1		18.66		19.7	0.0
100	QPSK	1	137		18.61			
100	QPSK	1	271		18.58			
100	QPSK	135	0		18.58		19.7	0.0
100	QPSK	135	69		18.60		19.7	0.0
100	QPSK	135	138		18.52		19.7	0.0
100	QPSK	270	0		18.57			
100	16QAM	1	1		18.52		19.7	0.0
100	64QAM	1	1		18.43		19.7	0.0
100	256QAM	1	1		18.36		19.7	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	18.46	18.53	18.49	19.7	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	18.60	18.54	18.39	19.7	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	18.44	18.59	18.51	19.7	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	18.54	18.54	18.43	19.7	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	18.46	18.53	18.40	19.7	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	18.48	18.57	18.43	19.7	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	18.55	18.51	18.48	19.7	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	18.48	18.53	18.45	19.7	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	18.49	18.59	18.40	19.7	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	18.48	18.52	18.41	19.7	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	18.50	18.63	18.40	19.7	0.0

Part27Q n78 HPUE Ant 3 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		18.62		19.7	0.0
100	PI/2 BPSK	1	137		18.52			
100	PI/2 BPSK	1	271		18.44			
100	PI/2 BPSK	135	0		18.49		19.7	0.0
100	PI/2 BPSK	135	69		18.55		19.7	0.0
100	PI/2 BPSK	135	138		18.46		19.7	0.0
100	PI/2 BPSK	270	0		18.50			
100	QPSK	1	1		18.68		19.7	0.0
100	QPSK	1	137		18.59			
100	QPSK	1	271		18.53			
100	QPSK	135	0		18.51		19.7	0.0
100	QPSK	135	69		18.62		19.7	0.0
100	QPSK	135	138		18.51		19.7	0.0
100	QPSK	270	0		18.57			
100	16QAM	1	1		18.42		19.7	0.0
100	64QAM	1	1		18.55		19.7	0.0
100	256QAM	1	1		18.45		19.7	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	18.49	18.58	18.52	19.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.52	18.51	18.46	19.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	18.49	18.62	18.59	19.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.49	18.55	18.49	19.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	18.44	18.52	18.48	19.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.53	18.62	18.46	19.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.51	18.66	18.49	19.7	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	18.49	18.61	18.60	19.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.51	18.58	18.58	19.7	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	18.52	18.57	18.59	19.7	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	18.46	18.58	18.53	19.7	0.0

n48 Part 96 Ant 4 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	18.21	18.32	18.26	19.2	0.0
40	PI/2 BPSK	1	53	18.09	18.17	18.10		
40	PI/2 BPSK	1	104	18.13	18.21	18.06		
40	PI/2 BPSK	50	0	18.14	18.09	17.98	19.2	0.0
40	PI/2 BPSK	50	28	18.15	18.17	18.21	19.2	0.0
40	PI/2 BPSK	50	56	18.11	18.09	18.01	19.2	0.0
40	PI/2 BPSK	100	0	18.14	18.16	18.14		
40	QPSK	1	1	18.25	18.36	18.33	19.2	0.0
40	QPSK	1	53	18.21	18.28	18.25		
40	QPSK	1	104	18.20	18.24	18.18		
40	QPSK	50	0	18.14	18.29	18.28	19.2	0.0
40	QPSK	50	28	18.23	18.31	18.12	19.2	0.0
40	QPSK	50	56	18.20	18.16	18.09	19.2	0.0
40	QPSK	100	0	18.17	18.20	18.12		
40	16QAM	1	1	18.05	18.12	18.05	19.2	0.0
40	64QAM	1	1	18.02	18.14	17.97	19.2	0.0
40	256QAM	1	1	18.06	18.04	18.03	19.2	0.0
Channel				637668	641666	645664	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	18.22	18.33	18.30	19.2	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	18.07	18.21	18.19	19.2	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	18.22	18.24	18.20	19.2	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	18.13	18.31	18.16	19.2	0.0

Part27O n77 HPUE Ant 4 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	17.68	17.83	17.78	19.3	0.0
100	PI/2 BPSK	1	137	17.75	17.67	17.57		
100	PI/2 BPSK	1	271	17.63	17.72	17.64		
100	PI/2 BPSK	135	0	17.69	17.82	17.68	19.3	0.0
100	PI/2 BPSK	135	69	17.62	17.82	17.68	19.3	0.0
100	PI/2 BPSK	135	138	17.59	17.68	17.64	19.3	0.0
100	PI/2 BPSK	270	0	17.65	17.67	17.75		
100	QPSK	1	1	17.84	17.91	17.82	19.3	0.0
100	QPSK	1	137	17.81	17.73	17.72		
100	QPSK	1	271	17.70	17.71	17.64		
100	QPSK	135	0	17.62	17.73	17.75	19.3	0.0
100	QPSK	135	69	17.79	17.81	17.78	19.3	0.0
100	QPSK	135	138	17.75	17.72	17.51	19.3	0.0
100	QPSK	270	0	17.59	17.77	17.65		
100	16QAM	1	1	17.70	17.71	17.69	19.3	0.0
100	64QAM	1	1	17.80	17.79	17.65	19.3	0.0
100	256QAM	1	1	17.57	17.66	17.69	19.3	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	17.79	17.80	17.68	19.3	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	17.69	17.85	17.79	19.3	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	17.75	17.77	17.78	19.3	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	17.79	17.87	17.79	19.3	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	17.70	17.83	17.75	19.3	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	17.76	17.79	17.76	19.3	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	17.76	17.88	17.77	19.3	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	17.71	17.82	17.79	19.3	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	17.80	17.85	17.68	19.3	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	17.73	17.82	17.75	19.3	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	17.72	17.86	17.68	19.3	0.0

Part27Q n77 HPUE Ant 4 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		17.92		19.3	0.0
100	PI/2 BPSK	1	137		17.81			
100	PI/2 BPSK	1	271		17.82			
100	PI/2 BPSK	135	0		17.71		19.3	0.0
100	PI/2 BPSK	135	69		17.89		19.3	0.0
100	PI/2 BPSK	135	138		17.86		19.3	0.0
100	PI/2 BPSK	270	0		17.77			
100	QPSK	1	1		17.98		19.3	0.0
100	QPSK	1	137		17.89			
100	QPSK	1	271		17.82			
100	QPSK	135	0		17.85		19.3	0.0
100	QPSK	135	69		17.94		19.3	0.0
100	QPSK	135	138		17.82		19.3	0.0
100	QPSK	270	0		17.87			
100	16QAM	1	1		17.84		19.3	0.0
100	64QAM	1	1		17.95		19.3	0.0
100	256QAM	1	1		17.76		19.3	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.80	17.86	17.81	19.3	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.82	17.93	17.83	19.3	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	17.83	17.85	17.80	19.3	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.82	17.84	17.79	19.3	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.82	17.94	17.80	19.3	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.83	17.92	17.83	19.3	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	17.82	17.95	17.86	19.3	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	17.81	17.90	17.84	19.3	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.91	17.84	17.79	19.3	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	17.90	17.87	17.85	19.3	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	17.81	17.90	17.84	19.3	0.0

Part27O n78 HPUE Ant 4 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		17.88		19.3	0.0
100	PI/2 BPSK	1	137		17.73			
100	PI/2 BPSK	1	271		17.72			
100	PI/2 BPSK	135	0		17.67		19.3	0.0
100	PI/2 BPSK	135	69		17.87		19.3	0.0
100	PI/2 BPSK	135	138		17.71		19.3	0.0
100	PI/2 BPSK	270	0		17.71			
100	QPSK	1	1		17.93		19.3	0.0
100	QPSK	1	137		17.82			
100	QPSK	1	271		17.78			
100	QPSK	135	0		17.72		19.3	0.0
100	QPSK	135	69		17.90		19.3	0.0
100	QPSK	135	138		17.77		19.3	0.0
100	QPSK	270	0		17.84			
100	16QAM	1	1		17.72		19.3	0.0
100	64QAM	1	1		17.83		19.3	0.0
100	256QAM	1	1		17.64		19.3	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	17.82	17.89	17.73	19.3	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	17.79	17.84	17.74	19.3	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	17.77	17.85	17.81	19.3	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	17.78	17.86	17.82	19.3	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	17.73	17.82	17.80	19.3	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	17.74	17.85	17.77	19.3	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	17.75	17.87	17.76	19.3	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	17.78	17.80	17.71	19.3	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	17.85	17.90	17.77	19.3	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	17.82	17.81	17.80	19.3	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	17.83	17.88	17.71	19.3	0.0

Part27Q n78 HPUE Ant 4 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		18.18		19.3	0.0
100	PI/2 BPSK	1	137		18.02			
100	PI/2 BPSK	1	271		18.10			
100	PI/2 BPSK	135	0		17.91		19.3	0.0
100	PI/2 BPSK	135	69		18.11		19.3	0.0
100	PI/2 BPSK	135	138		18.06		19.3	0.0
100	PI/2 BPSK	270	0		17.98			
100	QPSK	1	1		18.25		19.3	0.0
100	QPSK	1	137		18.02			
100	QPSK	1	271		18.01			
100	QPSK	135	0		18.10		19.3	0.0
100	QPSK	135	69		18.20		19.3	0.0
100	QPSK	135	138		18.01		19.3	0.0
100	QPSK	270	0		18.11			
100	16QAM	1	1		18.05		19.3	0.0
100	64QAM	1	1		18.15		19.3	0.0
100	256QAM	1	1		18.04		19.3	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	18.11	18.14	18.04	19.3	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.15	18.20	18.02	19.3	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	18.14	18.16	18.01	19.3	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.10	18.22	18.03	19.3	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	18.09	18.16	18.02	19.3	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.11	18.15	18.12	19.3	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.07	18.14	18.06	19.3	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	18.17	18.19	18.02	19.3	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.15	18.20	18.04	19.3	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	18.08	18.13	18.01	19.3	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	18.08	18.16	18.11	19.3	0.0

n48 Part 96 Ant 6 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	19.54	19.67	19.59	20.7	0.0
40	PI/2 BPSK	1	53	19.55	19.65	19.47		
40	PI/2 BPSK	1	104	19.49	19.52	19.40		
40	PI/2 BPSK	50	0	19.51	19.65	19.50	20.7	0.0
40	PI/2 BPSK	50	28	19.61	19.62	19.52	20.7	0.0
40	PI/2 BPSK	50	56	19.41	19.57	19.45	20.7	0.0
40	PI/2 BPSK	100	0	19.53	19.52	19.52		
40	QPSK	1	1	19.62	19.69	19.60	20.7	0.0
40	QPSK	1	53	19.57	19.60	19.54		
40	QPSK	1	104	19.47	19.54	19.50		
40	QPSK	50	0	19.48	19.61	19.51	20.7	0.0
40	QPSK	50	28	19.60	19.65	19.51	20.7	0.0
40	QPSK	50	56	19.39	19.51	19.40	20.7	0.0
40	QPSK	100	0	19.52	19.57	19.47		
40	16QAM	1	1	19.50	19.50	19.48	20.7	0.0
40	64QAM	1	1	18.40	18.44	18.35	19.5	1.2
40	256QAM	1	1	17.08	17.07	17.13	17.5	3.2
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	19.55	19.61	19.56	20.7	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	19.58	19.60	19.48	20.7	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	19.58	19.59	19.55	20.7	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	19.54	19.65	19.48	20.7	0.0

Part27O n77 HPUE Ant 6 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	16.33	16.37	16.30	17.5	0.0
100	PI/2 BPSK	1	137	16.18	16.32	16.24		
100	PI/2 BPSK	1	271	16.11	16.23	16.25		
100	PI/2 BPSK	135	0	16.18	16.17	16.20	17.5	0.0
100	PI/2 BPSK	135	69	16.21	16.11	16.19	17.5	0.0
100	PI/2 BPSK	135	138	16.11	16.11	16.18	17.5	0.0
100	PI/2 BPSK	270	0	16.05	16.16	16.14		
100	QPSK	1	1	16.37	16.46	16.35	17.5	0.0
100	QPSK	1	137	16.22	16.39	16.31		
100	QPSK	1	271	16.23	16.31	16.28		
100	QPSK	135	0	16.26	16.23	16.18	17.5	0.0
100	QPSK	135	69	16.29	16.35	16.16	17.5	0.0
100	QPSK	135	138	16.13	16.20	16.06	17.5	0.0
100	QPSK	270	0	16.06	16.26	16.10		
100	16QAM	1	1	16.26	16.21	16.14	17.5	0.0
100	64QAM	1	1	16.21	16.26	16.15	17.5	0.0
100	256QAM	1	1	16.10	16.21	16.09	17.5	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	16.29	16.36	16.24	17.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	16.28	16.32	16.26	17.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	16.30	16.37	16.26	17.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	16.27	16.35	16.32	17.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	16.26	16.31	16.27	17.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	16.25	16.32	16.30	17.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	16.33	16.38	16.27	17.5	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	16.25	16.30	16.31	17.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	16.31	16.29	16.23	17.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	16.23	16.36	16.28	17.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	16.33	16.34	16.26	17.5	0.0

Part27Q n77 HPUE Ant 6 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		16.81		17.5	0.0
100	PI/2 BPSK	1	137		16.78			
100	PI/2 BPSK	1	271		16.76			
100	PI/2 BPSK	135	0		16.63		17.5	0.0
100	PI/2 BPSK	135	69		16.76		17.5	0.0
100	PI/2 BPSK	135	138		16.57		17.5	0.0
100	PI/2 BPSK	270	0		16.65			
100	QPSK	1	1		16.85		17.5	0.0
100	QPSK	1	137		16.81			
100	QPSK	1	271		16.76			
100	QPSK	135	0		16.71		17.5	0.0
100	QPSK	135	69		16.79		17.5	0.0
100	QPSK	135	138		16.71		17.5	0.0
100	QPSK	270	0		16.75			
100	16QAM	1	1		16.66		17.5	0.0
100	64QAM	1	1		16.70		17.5	0.0
100	256QAM	1	1		16.61		17.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.72	16.84	16.71	17.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.71	16.81	16.70	17.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.75	16.80	16.70	17.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.71	16.80	16.76	17.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.76	16.79	16.74	17.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.71	16.75	16.70	17.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.70	16.84	16.73	17.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	16.72	16.79	16.76	17.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.77	16.75	16.71	17.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	16.73	16.78	16.73	17.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	16.72	16.76	16.76	17.5	0.0

Part27O n78 HPUE Ant 6 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		16.48		17.5	0.0
100	PI/2 BPSK	1	137		16.44			
100	PI/2 BPSK	1	271		16.39			
100	PI/2 BPSK	135	0		16.23		17.5	0.0
100	PI/2 BPSK	135	69		16.43		17.5	0.0
100	PI/2 BPSK	135	138		16.32		17.5	0.0
100	PI/2 BPSK	270	0		16.36			
100	QPSK	1	1		16.53		17.5	0.0
100	QPSK	1	137		16.52			
100	QPSK	1	271		16.43			
100	QPSK	135	0		16.37		17.5	0.0
100	QPSK	135	69		16.50		17.5	0.0
100	QPSK	135	138		16.34		17.5	0.0
100	QPSK	270	0		16.42			
100	16QAM	1	1		16.34		17.5	0.0
100	64QAM	1	1		16.35		17.5	0.0
100	256QAM	1	1		16.28		17.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	16.38	16.40	16.34	17.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	16.39	16.48	16.38	17.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	16.43	16.44	16.30	17.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	16.37	16.45	16.38	17.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	16.35	16.47	16.36	17.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	16.39	16.43	16.32	17.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	16.33	16.42	16.30	17.5	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	16.35	16.49	16.29	17.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	16.37	16.44	16.28	17.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	16.36	16.39	16.39	17.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	16.43	16.48	16.36	17.5	0.0

Part27Q n78 HPUE Ant 6 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		16.81		17.5	0.0
100	PI/2 BPSK	1	137		16.78			
100	PI/2 BPSK	1	271		16.72			
100	PI/2 BPSK	135	0		16.61		17.5	0.0
100	PI/2 BPSK	135	69		16.77		17.5	0.0
100	PI/2 BPSK	135	138		16.61		17.5	0.0
100	PI/2 BPSK	270	0		16.65			
100	QPSK	1	1		16.84		17.5	0.0
100	QPSK	1	137		16.81			
100	QPSK	1	271		16.72			
100	QPSK	135	0		16.62		17.5	0.0
100	QPSK	135	69		16.76		17.5	0.0
100	QPSK	135	138		16.61		17.5	0.0
100	QPSK	270	0		16.73			
100	16QAM	1	1		16.68		17.5	0.0
100	64QAM	1	1		16.65		17.5	0.0
100	256QAM	1	1		16.60		17.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.68	16.73	16.71	17.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.70	16.81	16.69	17.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.75	16.77	16.73	17.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.71	16.79	16.63	17.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.67	16.74	16.64	17.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.72	16.75	16.64	17.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.71	16.81	16.64	17.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	16.68	16.79	16.74	17.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.78	16.80	16.64	17.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	16.67	16.70	16.66	17.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	16.67	16.78	16.66	17.5	0.0

n48 Part 96 Ant 8 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	19.68	19.80	19.76	20.8	0.0
40	PI/2 BPSK	1	53	19.59	19.74	19.60		
40	PI/2 BPSK	1	104	19.53	19.61	19.58		
40	PI/2 BPSK	50	0	19.69	19.77	19.61	20.8	0.0
40	PI/2 BPSK	50	28	19.69	19.71	19.64	20.8	0.0
40	PI/2 BPSK	50	56	19.60	19.66	19.56	20.8	0.0
40	PI/2 BPSK	100	0	19.65	19.68	19.68		
40	QPSK	1	1	19.73	19.85	19.78	20.8	0.0
40	QPSK	1	53	19.66	19.69	19.67		
40	QPSK	1	104	19.62	19.72	19.57		
40	QPSK	50	0	19.65	19.69	19.60	20.8	0.0
40	QPSK	50	28	19.64	19.81	19.63	20.8	0.0
40	QPSK	50	56	19.60	19.67	19.56	20.8	0.0
40	QPSK	100	0	19.59	19.73	19.62		
40	16QAM	1	1	19.65	19.62	19.56	20.8	0.0
40	64QAM	1	1	19.02	19.09	19.05	19.8	1.0
40	256QAM	1	1	17.00	17.07	16.95	17.8	3.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	19.61	19.81	19.74	20.8	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	19.66	19.74	19.66	20.8	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	19.63	19.79	19.64	20.8	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	19.64	19.78	19.65	20.8	0.0

Part27O n77 Ant 8 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	13.35	13.54	13.53	14.5	0.0
100	PI/2 BPSK	1	137	13.40	13.50	13.34		
100	PI/2 BPSK	1	271	13.32	13.31	13.34		
100	PI/2 BPSK	135	0	13.30	13.37	13.31	14.5	0.0
100	PI/2 BPSK	135	69	13.42	13.42	13.34	14.5	0.0
100	PI/2 BPSK	135	138	13.30	13.27	13.30	14.5	0.0
100	PI/2 BPSK	270	0	13.31	13.37	13.29		
100	QPSK	1	1	13.45	13.57	13.55	14.5	0.0
100	QPSK	1	137	13.41	13.46	13.48		
100	QPSK	1	271	13.43	13.42	13.40		
100	QPSK	135	0	13.41	13.49	13.45	14.5	0.0
100	QPSK	135	69	13.40	13.54	13.44	14.5	0.0
100	QPSK	135	138	13.35	13.36	13.34	14.5	0.0
100	QPSK	270	0	13.34	13.44	13.34		
100	16QAM	1	1	13.36	13.37	13.37	14.5	0.0
100	64QAM	1	1	13.43	13.35	13.27	14.5	0.0
100	256QAM	1	1	13.29	13.42	13.34	14.5	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	13.36	13.47	13.43	14.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	13.30	13.54	13.42	14.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	13.31	13.48	13.45	14.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	13.41	13.53	13.42	14.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	13.34	13.50	13.47	14.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	13.33	13.48	13.42	14.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	13.30	13.54	13.46	14.5	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	13.39	13.52	13.43	14.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	13.42	13.48	13.48	14.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	13.33	13.53	13.40	14.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	13.33	13.45	13.47	14.5	0.0

Part27O n77 HPUE Ant 8 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	16.29	16.41	16.38	17.5	0.0
100	PI/2 BPSK	1	137	16.28	16.44	16.20		
100	PI/2 BPSK	1	271	16.15	16.14	16.19		
100	PI/2 BPSK	135	0	16.13	16.23	16.23	17.5	0.0
100	PI/2 BPSK	135	69	16.32	16.28	16.23	17.5	0.0
100	PI/2 BPSK	135	138	16.14	16.16	16.20	17.5	0.0
100	PI/2 BPSK	270	0	16.16	16.28	16.22		
100	QPSK	1	1	16.37	16.46	16.44	17.5	0.0
100	QPSK	1	137	16.34	16.40	16.31		
100	QPSK	1	271	16.25	16.29	16.34		
100	QPSK	135	0	16.31	16.39	16.27	17.5	0.0
100	QPSK	135	69	16.31	16.42	16.32	17.5	0.0
100	QPSK	135	138	16.17	16.21	16.18	17.5	0.0
100	QPSK	270	0	16.25	16.31	16.23		
100	16QAM	1	1	16.27	16.26	16.24	17.5	0.0
100	64QAM	1	1	16.27	16.24	16.17	17.5	0.0
100	256QAM	1	1	16.15	16.26	16.22	17.5	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	16.23	16.37	16.34	17.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	16.28	16.37	16.33	17.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	16.26	16.38	16.32	17.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	16.23	16.31	16.25	17.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	16.31	16.32	16.27	17.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	16.33	16.36	16.30	17.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	16.29	16.37	16.31	17.5	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	16.22	16.42	16.29	17.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	16.29	16.36	16.30	17.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	16.24	16.42	16.33	17.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	16.28	16.40	16.37	17.5	0.0

Part27Q n77 HPUE Ant 8 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		16.80		17.5	0.0
100	PI/2 BPSK	1	137		16.61			
100	PI/2 BPSK	1	271		16.53			
100	PI/2 BPSK	135	0		16.49		17.5	0.0
100	PI/2 BPSK	135	69		16.68		17.5	0.0
100	PI/2 BPSK	135	138		16.45		17.5	0.0
100	PI/2 BPSK	270	0		16.63			
100	QPSK	1	1		16.83		17.5	0.0
100	QPSK	1	137		16.76			
100	QPSK	1	271		16.76			
100	QPSK	135	0		16.67		17.5	0.0
100	QPSK	135	69		16.73		17.5	0.0
100	QPSK	135	138		16.59		17.5	0.0
100	QPSK	270	0		16.65			
100	16QAM	1	1		16.58		17.5	0.0
100	64QAM	1	1		16.62		17.5	0.0
100	256QAM	1	1		16.54		17.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.70	16.78	16.67	17.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.64	16.72	16.59	17.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.65	16.69	16.64	17.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.65	16.72	16.64	17.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.64	16.78	16.66	17.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.65	16.75	16.60	17.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.68	16.75	16.69	17.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	16.66	16.70	16.64	17.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.62	16.77	16.63	17.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	16.64	16.79	16.59	17.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	16.63	16.70	16.62	17.5	0.0

Part27O n78 HPUE Ant 8 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		16.31		17.5	0.0
100	PI/2 BPSK	1	137		16.27			
100	PI/2 BPSK	1	271		16.20			
100	PI/2 BPSK	135	0		16.13		17.5	0.0
100	PI/2 BPSK	135	69		16.15		17.5	0.0
100	PI/2 BPSK	135	138		16.07		17.5	0.0
100	PI/2 BPSK	270	0		16.24			
100	QPSK	1	1		16.41		17.5	0.0
100	QPSK	1	137		16.39			
100	QPSK	1	271		16.34			
100	QPSK	135	0		16.24		17.5	0.0
100	QPSK	135	69		16.37		17.5	0.0
100	QPSK	135	138		16.22		17.5	0.0
100	QPSK	270	0		16.30			
100	16QAM	1	1		16.21		17.5	0.0
100	64QAM	1	1		16.26		17.5	0.0
100	256QAM	1	1		16.14		17.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	16.20	16.31	16.19	17.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	16.20	16.29	16.18	17.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	16.27	16.27	16.29	17.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	16.20	16.36	16.18	17.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	16.21	16.29	16.26	17.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	16.30	16.28	16.27	17.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	16.29	16.28	16.28	17.5	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	16.25	16.29	16.21	17.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	16.29	16.36	16.29	17.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	16.28	16.32	16.21	17.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	16.20	16.37	16.19	17.5	0.0

Part27Q n78 HPUE Ant 8 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		16.55		17.5	0.0
100	PI/2 BPSK	1	137		16.50			
100	PI/2 BPSK	1	271		16.41			
100	PI/2 BPSK	135	0		16.42		17.5	0.0
100	PI/2 BPSK	135	69		16.36		17.5	0.0
100	PI/2 BPSK	135	138		16.29		17.5	0.0
100	PI/2 BPSK	270	0		16.56			
100	QPSK	1	1		16.63		17.5	0.0
100	QPSK	1	137		16.58			
100	QPSK	1	271		16.52			
100	QPSK	135	0		16.49		17.5	0.0
100	QPSK	135	69		16.56		17.5	0.0
100	QPSK	135	138		16.43		17.5	0.0
100	QPSK	270	0		16.44			
100	16QAM	1	1		16.36		17.5	0.0
100	64QAM	1	1		16.32		17.5	0.0
100	256QAM	1	1		16.30		17.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.41	16.52	16.50	17.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.51	16.58	16.46	17.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.46	16.51	16.43	17.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.43	16.49	16.50	17.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.53	16.58	16.43	17.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.45	16.55	16.38	17.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.52	16.60	16.45	17.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	16.44	16.53	16.38	17.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.52	16.57	16.46	17.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	16.52	16.53	16.45	17.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	16.43	16.49	16.41	17.5	0.0

Reduced Power Mode for ECI5

n2 Ant 0 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PI/2 BPSK	1	1	20.40	20.59	20.51	21.8	0.0
40	PI/2 BPSK	1	108	20.40	20.45	20.43		
40	PI/2 BPSK	1	214	20.35	20.43	20.36		
40	PI/2 BPSK	108	0	20.38	20.55	20.39	21.8	0.0
40	PI/2 BPSK	108	54	20.47	20.45	20.31	21.8	0.0
40	PI/2 BPSK	108	108	20.31	20.43	20.36	21.8	0.0
40	PI/2 BPSK	216	0	20.37	20.50	20.40		
40	QPSK	1	1	20.52	20.60	20.56	21.8	0.0
40	QPSK	1	108	20.39	20.48	20.41		
40	QPSK	1	214	20.45	20.46	20.28		
40	QPSK	108	0	20.44	20.44	20.42	21.8	0.0
40	QPSK	108	54	20.43	20.55	20.42	21.8	0.0
40	QPSK	108	108	20.29	20.42	20.30	21.8	0.0
40	QPSK	216	0	20.42	20.46	20.32		
40	16QAM	1	1	20.41	20.40	20.44	21.8	0.0
40	64QAM	1	1	20.21	20.30	20.23	21.5	0.0
40	256QAM	1	1	18.80	18.83	18.74	19.5	2.3
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	20.37	20.55	20.47	21.8	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	20.49	20.51	20.46	21.8	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	20.43	20.54	20.45	21.8	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	20.43	20.46	20.42	21.8	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	20.46	20.52	20.50	21.8	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	20.38	20.52	20.47	21.8	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	20.45	20.57	20.48	21.8	0.0

n5 Ant 0 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	22.59	22.74	22.62	24.0	0.0
20	PI/2 BPSK	1	53	22.68	22.68	22.58		
20	PI/2 BPSK	1	104	22.58	22.71	22.66		
20	PI/2 BPSK	50	0	22.54	22.61	22.59	23.5	0.5
20	PI/2 BPSK	50	28	22.64	22.69	22.58	24.0	0.0
20	PI/2 BPSK	50	56	22.37	22.53	22.41	23.5	0.5
20	PI/2 BPSK	100	0	22.58	22.66	22.38		
20	QPSK	1	1	22.72	22.78	22.69	24.0	0.0
20	QPSK	1	53	22.70	22.74	22.65		
20	QPSK	1	104	22.57	22.64	22.60		
20	QPSK	50	0	22.09	22.10	21.88	23.0	1.0
20	QPSK	50	28	22.64	22.70	22.57	24.0	0.0
20	QPSK	50	56	22.02	22.13	21.95	23.0	1.0
20	QPSK	100	0	22.12	22.17	21.86		
20	16QAM	1	1	21.97	22.08	21.93	23.0	1.0
20	64QAM	1	1	20.73	20.76	20.54	21.5	2.5
20	256QAM	1	1	19.29	19.36	19.34	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.57	22.74	22.62	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.63	22.67	22.65	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.60	22.72	22.55	24.0	0.0

n7 Ant 0 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	19.91	20.01	19.87	21.1	0.0
50	PI/2 BPSK	1	135	19.76	19.84	19.80		
50	PI/2 BPSK	1	268	19.79	19.76	19.85		
50	PI/2 BPSK	135	0	19.80	19.85	19.76	21.1	0.0
50	PI/2 BPSK	135	68	19.86	19.91	19.76	21.1	0.0
50	PI/2 BPSK	135	135	19.66	19.79	19.63	21.1	0.0
50	PI/2 BPSK	270	0	19.69	19.85	19.73		
50	QPSK	1	1	20.02	20.07	19.95	21.1	0.0
50	QPSK	1	135	19.88	19.97	19.83		
50	QPSK	1	268	19.82	19.95	19.77		
50	QPSK	135	0	19.72	19.77	19.67	21.1	0.0
50	QPSK	135	68	19.84	19.97	19.77	21.1	0.0
50	QPSK	135	135	19.82	19.76	19.71	21.1	0.0
50	QPSK	270	0	19.78	19.94	19.63		
50	16QAM	1	1	19.52	19.52	19.41	21.1	0.0
50	64QAM	1	1	19.72	19.78	19.74	21.1	0.0
50	256QAM	1	1	19.09	19.06	18.91	19.5	1.6
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	20.01	20.01	19.93	21.1	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	19.93	20.09	19.86	21.1	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	20.00	20.05	19.90	21.1	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	19.95	19.99	19.98	21.1	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	20.01	20.01	19.88	21.1	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	19.97	19.99	19.96	21.1	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	19.95	20.05	19.90	21.1	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	20.03	20.01	19.89	21.1	0.0

n12 Ant 0 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	23.07	23.19	23.03	24.0	0.0
15	PI/2 BPSK	1	40	23.01	23.05	23.05		
15	PI/2 BPSK	1	77	23.01	23.07	22.97		
15	PI/2 BPSK	36	0	22.46	22.54	22.51	23.5	0.5
15	PI/2 BPSK	36	22	23.05	23.07	22.98	24.0	0.0
15	PI/2 BPSK	36	43	22.29	22.43	22.37	23.5	0.5
15	PI/2 BPSK	75	0	22.51	22.58	22.37		
15	QPSK	1	1	23.13	23.27	23.08	24.0	0.0
15	QPSK	1	40	23.15	23.17	22.95		
15	QPSK	1	77	23.01	23.10	22.99		
15	QPSK	36	0	22.00	22.05	21.84	23.0	1.0
15	QPSK	36	22	23.04	23.24	23.01	24.0	0.0
15	QPSK	36	43	22.00	22.05	21.94	23.0	1.0
15	QPSK	75	0	22.01	22.11	21.85		
15	16QAM	1	1	21.94	21.98	21.85	23.0	1.0
15	64QAM	1	1	20.61	20.67	20.54	21.5	2.5
	256QAM	1	1	19.17	19.31	19.26	19.5	4.5
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	23.08	23.16	23.04	24.0	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	23.10	23.14	22.95	24.0	0.0

n14 Ant 0 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					158600			
Frequency (MHz)					793			
10	PI/2 BPSK	1	1		23.57		24.0	0.0
10	PI/2 BPSK	1	26		23.36			
10	PI/2 BPSK	1	50		23.39			
10	PI/2 BPSK	25	0		22.88		23.5	0.5
10	PI/2 BPSK	25	14		23.43		24.0	0.0
10	PI/2 BPSK	25	27		22.81		23.5	0.5
10	PI/2 BPSK	50	0		22.89			
10	QPSK	1	1		23.63		24.0	0.0
10	QPSK	1	26		23.49			
10	QPSK	1	50		23.45			
10	QPSK	25	0		22.40		23.0	1.0
10	QPSK	25	14		23.55		24.0	0.0
10	QPSK	25	27		22.40		23.0	1.0
10	QPSK	50	0		22.44			
10	16QAM	1	1		22.39		23.0	1.0
10	64QAM	1	1		21.04		21.5	2.5
10	256QAM	1	1		19.33		19.5	4.5
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	23.45	23.48	23.39	24.0	0.0

n25 Ant 0 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	20.58	20.73	20.69	21.8	0.0
40	PI/2 BPSK	1	108	20.56	20.60	20.59		
40	PI/2 BPSK	1	214	20.54	20.55	20.54		
40	PI/2 BPSK	108	0	20.60	20.68	20.52	21.8	0.0
40	PI/2 BPSK	108	54	20.63	20.60	20.50	21.8	0.0
40	PI/2 BPSK	108	108	20.50	20.63	20.50		
40	PI/2 BPSK	216	0	20.59	20.70	20.59	21.8	0.0
40	QPSK	1	1	20.65	20.80	20.67		
40	QPSK	1	108	20.50	20.62	20.53		
40	QPSK	1	214	20.57	20.61	20.45		
40	QPSK	108	0	20.64	20.55	20.62	21.8	0.0
40	QPSK	108	54	20.55	20.79	20.61	21.8	0.0
40	QPSK	108	108	20.46	20.60	20.52	21.8	0.0
40	QPSK	216	0	20.57	20.63	20.53		
40	16QAM	1	1	20.52	20.57	20.58	21.8	0.0
40	64QAM	1	1	20.70	20.74	20.63	21.5	0.3
40	256QAM	1	1	19.25	19.41	19.34	19.5	2.3
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1	20.65	20.71	20.68	21.8	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	20.52	20.70	20.60	21.8	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	20.55	20.68	20.53	21.8	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	20.60	20.77	20.61	21.8	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	20.61	20.71	20.64	21.8	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	20.54	20.72	20.56	21.8	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	20.50	20.67	20.63	21.8	0.0

n26 Ant 0 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	22.74	22.89	22.81	24.0	0.0
20	PI/2 BPSK	1	53	22.70	22.82	22.74		
20	PI/2 BPSK	1	104	22.67	22.84	22.74		
20	PI/2 BPSK	50	0	22.65	22.75	22.65	23.5	0.5
20	PI/2 BPSK	50	28	22.75	22.87	22.77	24.0	0.0
20	PI/2 BPSK	50	56	22.55	22.65	22.54	23.5	0.5
20	PI/2 BPSK	100	0	22.63	22.70	22.62		
20	QPSK	1	1	22.81	22.93	22.87	24.0	0.0
20	QPSK	1	53	22.78	22.85	22.81		
20	QPSK	1	104	22.67	22.83	22.77		
20	QPSK	50	0	22.20	22.20	22.12	23.0	1.0
20	QPSK	50	28	22.74	22.82	22.79	24.0	0.0
20	QPSK	50	56	22.17	22.19	22.06	23.0	1.0
20	QPSK	100	0	22.20	22.28	22.10		
20	16QAM	1	1	21.85	21.98	21.86	23.0	1.0
20	64QAM	1	1	20.53	20.59	20.58	21.5	2.5
20	256QAM	1	1	19.12	19.15	19.00	19.5	4.5
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	22.67	22.79	22.74	24.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	22.78	22.81	22.81	24.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	22.67	22.85	22.80	24.0	0.0

n30 Ant 0 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					462000			
Frequency (MHz)					2310			
10	PI/2 BPSK	1	1		21.95		23.3	0.0
10	PI/2 BPSK	1	26		21.92			
10	PI/2 BPSK	1	50		21.79			
10	PI/2 BPSK	25	0		21.87		23.3	0.0
10	PI/2 BPSK	25	14		21.95		23.3	0.0
10	PI/2 BPSK	25	27		21.82		23.3	0.0
10	PI/2 BPSK	50	0		21.88			
10	QPSK	1	1		21.96		23.3	0.0
10	QPSK	1	26		21.94			
10	QPSK	1	50		21.92			
10	QPSK	25	0		21.81		23.0	0.3
10	QPSK	25	14		21.94		23.3	0.0
10	QPSK	25	27		21.85		23.0	0.3
10	QPSK	50	0		21.93			
10	16QAM	1	1		21.78		23.0	0.3
10	64QAM	1	1		20.69		21.5	1.8
10	256QAM	1	1		19.42		19.5	3.8
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	21.88	21.93	21.92	23.3	0.0

n66 Ant 0 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	19.85	20.00	19.87	21.2	0.0
40	PI/2 BPSK	1	108	19.81	19.86	19.77		
40	PI/2 BPSK	1	214	19.79	19.83	19.75		
40	PI/2 BPSK	108	0	19.78	19.87	19.81	21.2	0.0
40	PI/2 BPSK	108	54	19.86	19.92	19.79	21.2	0.0
40	PI/2 BPSK	108	108	19.73	19.80	19.71	21.2	0.0
40	PI/2 BPSK	216	0	19.78	19.83	19.81		
40	QPSK	1	1	19.88	20.03	19.95	21.2	0.0
40	QPSK	1	108	19.77	19.92	19.81		
40	QPSK	1	214	19.81	19.89	19.72		
40	QPSK	108	0	19.84	19.80	19.78	21.2	0.0
40	QPSK	108	54	19.83	19.97	19.88	21.2	0.0
40	QPSK	108	108	19.70	19.85	19.70	21.2	0.0
40	QPSK	216	0	19.75	19.90	19.81		
40	16QAM	1	1	19.78	19.78	19.82	21.2	0.0
40	64QAM	1	1	19.73	19.85	19.70	21.2	0.0
40	256QAM	1	1	18.93	19.00	18.98	19.5	1.7
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	19.89	20.02	20.00	21.2	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	19.95	20.00	19.98	21.2	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	19.85	20.00	19.90	21.2	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	19.85	20.00	19.91	21.2	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	19.84	19.95	19.94	21.2	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	19.85	19.99	19.97	21.2	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	19.93	20.00	19.96	21.2	0.0

n70 Ant 0 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					340500			
Frequency (MHz)					1702.5			
15	PI/2 BPSK	1	1		20.11		21.0	0.0
15	PI/2 BPSK	1	40		20.03			
15	PI/2 BPSK	1	77		19.98			
15	PI/2 BPSK	36	0		20.05		21.0	0.0
15	PI/2 BPSK	36	22		20.10		21.0	0.0
15	PI/2 BPSK	36	43		20.02		21.0	0.0
15	PI/2 BPSK	75	0		20.04			
15	QPSK	1	1		20.14		21.0	0.0
15	QPSK	1	40		20.05			
15	QPSK	1	77		20.08			
15	QPSK	36	0		20.04		21.0	0.0
15	QPSK	36	22		20.10		21.0	0.0
15	QPSK	36	43		19.97		21.0	0.0
15	QPSK	75	0		20.02			
15	16QAM	1	1		19.95		21.0	0.0
15	64QAM	1	1		19.92		21.0	0.0
	256QAM	1	1		19.05		19.5	1.5
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	20.10	20.13	20.11	21.0	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	20.11	20.13	20.08	21.0	0.0

n71 Ant 0 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	23.50	23.57	23.42	24.0	0.0
20	PI/2 BPSK	1	53	23.43	23.41	23.46		
20	PI/2 BPSK	1	104	23.28	23.36	23.26		
20	PI/2 BPSK	50	0	22.81	22.93	22.82	23.5	0.5
20	PI/2 BPSK	50	28	23.38	23.34	23.29	24.0	0.0
20	PI/2 BPSK	50	56	22.63	22.85	22.66	23.5	0.5
20	PI/2 BPSK	100	0	22.81	22.91	22.77		
20	QPSK	1	1	23.59	23.69	23.54	24.0	0.0
20	QPSK	1	53	23.48	23.46	23.31		
20	QPSK	1	104	23.31	23.49	23.35		
20	QPSK	50	0	22.32	22.38	22.20	23.0	1.0
20	QPSK	50	28	23.34	23.50	23.26	24.0	0.0
20	QPSK	50	56	22.36	22.38	22.30	23.0	1.0
20	QPSK	100	0	22.24	22.42	22.20		
20	16QAM	1	1	22.29	22.36	22.22	23.0	1.0
20	64QAM	1	1	20.98	21.00	20.87	21.5	2.5
20	256QAM	1	1	19.28	19.45	19.40	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	23.48	23.58	23.50	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	23.56	23.59	23.43	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	23.52	23.60	23.44	24.0	0.0

n41 HPUE Ant 0 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	19.66	19.77	19.71	20.8	0.0
100	PI/2 BPSK	1	137	19.60	19.73	19.67		
100	PI/2 BPSK	1	271	19.53	19.56	19.55		
100	PI/2 BPSK	135	0	19.51	19.74	19.41	20.8	0.0
100	PI/2 BPSK	135	69	19.54	19.61	19.53	20.8	0.0
100	PI/2 BPSK	135	138	19.45	19.74	19.55	20.8	0.0
100	PI/2 BPSK	270	0	19.57	19.77	19.55		
100	QPSK	1	1	19.68	19.80	19.73	20.8	0.0
100	QPSK	1	137	19.61	19.65	19.55		
100	QPSK	1	271	19.54	19.65	19.47		
100	QPSK	135	0	19.61	19.57	19.55	20.8	0.0
100	QPSK	135	69	19.67	19.78	19.58	20.8	0.0
100	QPSK	135	138	19.45	19.63	19.48	20.8	0.0
100	QPSK	270	0	19.52	19.71	19.55		
100	16QAM	1	1	19.59	19.59	19.63	20.8	0.0
100	64QAM	1	1	19.50	19.65	19.48	20.8	0.0
100	256QAM	1	1	19.51	19.67	19.62	20.8	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	19.55	19.68	19.66	20.8	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	19.55	19.76	19.68	20.8	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	19.63	19.69	19.58	20.8	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	19.61	19.73	19.70	20.8	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	19.57	19.75	19.67	20.8	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	19.58	19.72	19.61	20.8	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	19.55	19.65	19.69	20.8	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	19.61	19.69	19.60	20.8	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	19.58	19.65	19.66	20.8	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	19.56	19.77	19.69	20.8	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	19.62	19.74	19.66	20.8	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	19.64	19.67	19.68	20.8	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	19.55	19.72	19.61	20.8	0.0

n2 Ant 1 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PI/2 BPSK	1	1	19.89	20.04	20.00	21.0	0.0
40	PI/2 BPSK	1	108	19.98	19.99	19.96		
40	PI/2 BPSK	1	214	19.81	19.91	19.83		
40	PI/2 BPSK	108	0	19.90	20.03	19.82	21.0	0.0
40	PI/2 BPSK	108	54	19.92	20.03	19.89	21.0	0.0
40	PI/2 BPSK	108	108	19.87	19.90	19.82	21.0	0.0
40	PI/2 BPSK	216	0	19.94	19.98	19.93		
40	QPSK	1	1	19.93	20.05	20.03	21.0	0.0
40	QPSK	1	108	19.87	20.04	19.94		
40	QPSK	1	214	19.96	19.92	19.80		
40	QPSK	108	0	19.97	19.94	19.95	21.0	0.0
40	QPSK	108	54	19.89	20.00	19.96	21.0	0.0
40	QPSK	108	108	19.81	19.90	19.78	21.0	0.0
40	QPSK	216	0	19.91	19.94	19.85		
40	16QAM	1	1	19.86	19.89	19.87	21.0	0.0
40	64QAM	1	1	19.81	19.95	19.77	21.0	0.0
40	256QAM	1	1	19.12	19.24	19.19	19.5	1.5
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	19.89	20.03	19.96	21.0	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	19.84	19.98	19.93	21.0	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	19.79	19.99	19.88	21.0	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	19.87	19.96	19.97	21.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	19.87	20.02	19.98	21.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	19.85	19.94	19.95	21.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	19.79	20.00	19.94	21.0	0.0

n5 Ant 1 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	22.87	22.91	22.82	24.0	0.0
20	PI/2 BPSK	1	53	22.77	22.80	22.84		
20	PI/2 BPSK	1	104	22.76	22.77	22.62		
20	PI/2 BPSK	50	0	22.26	22.26	22.22	23.5	0.5
20	PI/2 BPSK	50	28	22.80	22.79	22.74	24.0	0.0
20	PI/2 BPSK	50	56	21.97	22.21	22.01	23.5	0.5
20	PI/2 BPSK	100	0	22.22	22.37	22.20		
20	QPSK	1	1	22.90	22.99	22.91	24.0	0.0
20	QPSK	1	53	22.92	22.85	22.66		
20	QPSK	1	104	22.74	22.88	22.75		
20	QPSK	50	0	21.74	21.81	21.62	23.0	1.0
20	QPSK	50	28	22.82	22.90	22.77	24.0	0.0
20	QPSK	50	56	21.80	21.77	21.68	23.0	1.0
20	QPSK	100	0	21.72	21.80	21.61		
20	16QAM	1	1	21.64	21.68	21.60	23.0	1.0
20	64QAM	1	1	20.38	20.37	20.23	21.5	2.5
20	256QAM	1	1	18.98	18.99	18.97	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.86	22.93	22.79	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.81	22.87	22.82	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.85	22.89	22.78	24.0	0.0

n7 Ant 1 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	20.73	20.87	20.84	21.7	0.0
50	PI/2 BPSK	1	135	20.82	20.77	20.76		
50	PI/2 BPSK	1	268	20.62	20.69	20.67		
50	PI/2 BPSK	135	0	20.69	20.88	20.66	21.7	0.0
50	PI/2 BPSK	135	68	20.68	20.86	20.73	21.7	0.0
50	PI/2 BPSK	135	135	20.63	20.76	20.60	21.7	0.0
50	PI/2 BPSK	270	0	20.80	20.82	20.73		
50	QPSK	1	1	20.77	20.94	20.86	21.7	0.0
50	QPSK	1	135	20.72	20.87	20.79		
50	QPSK	1	268	20.78	20.72	20.55		
50	QPSK	135	0	20.73	20.79	20.80	21.7	0.0
50	QPSK	135	68	20.75	20.86	20.80	21.7	0.0
50	QPSK	135	135	20.59	20.74	20.55	21.7	0.0
50	QPSK	270	0	20.67	20.81	20.61		
50	16QAM	1	1	20.71	20.67	20.64	21.7	0.0
50	64QAM	1	1	20.67	20.82	20.62	21.5	0.2
50	256QAM	1	1	18.52	18.59	18.53	19.5	2.2
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	20.67	20.89	20.73	21.7	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	20.71	20.87	20.75	21.7	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	20.72	20.84	20.73	21.7	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	20.65	20.89	20.75	21.7	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	20.65	20.87	20.78	21.7	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	20.67	20.81	20.83	21.7	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	20.66	20.83	20.73	21.7	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	20.73	20.90	20.80	21.7	0.0

n12 Ant 1 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	22.83	22.92	22.83	24.0	0.0
15	PI/2 BPSK	1	40	22.80	22.78	22.86		
15	PI/2 BPSK	1	77	22.79	22.78	22.68		
15	PI/2 BPSK	36	0	22.23	22.31	22.27	23.5	0.5
15	PI/2 BPSK	36	22	22.82	22.81	22.79	24.0	0.0
15	PI/2 BPSK	36	43	21.88	22.29	22.01	23.5	0.5
15	PI/2 BPSK	75	0	22.29	22.36	22.21		
15	QPSK	1	1	22.84	23.01	22.94	24.0	0.0
15	QPSK	1	40	22.94	22.91	22.72		
15	QPSK	1	77	22.77	22.83	22.71		
15	QPSK	36	0	21.77	21.88	21.68	23.0	1.0
15	QPSK	36	22	22.83	22.97	22.74	24.0	0.0
15	QPSK	36	43	21.72	21.76	21.57	23.0	1.0
15	QPSK	75	0	21.80	21.81	21.77		
15	16QAM	1	1	21.71	21.75	21.70	23.0	1.0
15	64QAM	1	1	20.19	20.34	20.21	21.5	2.5
	256QAM	1	1	18.97	19.05	18.94	19.5	4.5
Channel				140800	141500	142200	Tune-up limit	MPR
Frequency (MHz)				704	707.5	711	(dBm)	(dB)
10	QPSK	1	1	22.74	22.91	22.89	24.0	0.0
Channel				140300	141500	142700	Tune-up limit	MPR
Frequency (MHz)				701.5	707.5	713.5	(dBm)	(dB)
5	QPSK	1	1	22.73	22.88	22.83	24.0	0.0

n14 Ant 1 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					158600			
Frequency (MHz)					793			
10	PI/2 BPSK	1	1		23.25		24.0	0.0
10	PI/2 BPSK	1	26		23.14			
10	PI/2 BPSK	1	50		23.05			
10	PI/2 BPSK	25	0		22.60		23.5	0.5
10	PI/2 BPSK	25	14		23.15		24.0	0.0
10	PI/2 BPSK	25	27		22.61		23.5	0.5
10	PI/2 BPSK	50	0		22.69			
10	QPSK	1	1		23.34		24.0	0.0
10	QPSK	1	26		23.21			
10	QPSK	1	50		23.13			
10	QPSK	25	0		22.16		23.0	1.0
10	QPSK	25	14		23.27		24.0	0.0
10	QPSK	25	27		22.08		23.0	1.0
10	QPSK	50	0		22.15			
10	16QAM	1	1		22.09		23.0	1.0
10	64QAM	1	1		20.69		21.5	2.5
10	256QAM	1	1		19.39		19.5	4.5
Channel				158100	158600	159100	Tune-up limit	MPR
Frequency (MHz)				790.5	793	795.5	(dBm)	(dB)
5	QPSK	1	1	23.15	23.21	23.17	24.0	0.0

n25 Ant 1 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	19.86	20.04	19.99	21.0	0.0
40	PI/2 BPSK	1	108	19.91	19.93	19.84		
40	PI/2 BPSK	1	214	19.72	19.80	19.80		
40	PI/2 BPSK	108	0	19.79	19.97	19.74	21.0	0.0
40	PI/2 BPSK	108	54	19.82	19.98	19.77	21.0	0.0
40	PI/2 BPSK	108	108	19.78	19.78	19.73	21.0	0.0
40	PI/2 BPSK	216	0	19.82	19.97	19.86		
40	QPSK	1	1	19.96	20.07	20.03	21.0	0.0
40	QPSK	1	108	19.83	20.01	19.92		
40	QPSK	1	214	19.86	19.86	19.79		
40	QPSK	108	0	19.84	19.87	19.87	21.0	0.0
40	QPSK	108	54	19.78	20.01	19.86	21.0	0.0
40	QPSK	108	108	19.79	19.84	19.71	21.0	0.0
40	QPSK	216	0	19.89	19.91	19.73		
40	16QAM	1	1	19.80	19.78	19.75	21.0	0.0
40	64QAM	1	1	19.74	19.82	19.69	21.0	0.0
40	256QAM	1	1	18.94	19.01	18.98	19.5	1.5
Channel				373500	376500	379500	Tune-up limit	MPR
Frequency (MHz)				1867.5	1882.5	1897.5	(dBm)	(dB)
35	QPSK	1	1	19.90	19.95	19.92	21.0	0.0
Channel				373000	376500	380000	Tune-up limit	MPR
Frequency (MHz)				1865	1882.5	1900	(dBm)	(dB)
30	QPSK	1	1	19.89	20.00	20.01	21.0	0.0
Channel				372500	376500	380500	Tune-up limit	MPR
Frequency (MHz)				1862.5	1882.5	1902.5	(dBm)	(dB)
25	QPSK	1	1	19.89	20.03	19.95	21.0	0.0
Channel				372000	376500	381000	Tune-up limit	MPR
Frequency (MHz)				1860	1882.5	1905	(dBm)	(dB)
20	QPSK	1	1	19.98	20.00	19.96	21.0	0.0
Channel				371500	376500	381500	Tune-up limit	MPR
Frequency (MHz)				1857.5	1882.5	1907.5	(dBm)	(dB)
15	QPSK	1	1	19.87	20.05	20.00	21.0	0.0
Channel				371000	376500	382000	Tune-up limit	MPR
Frequency (MHz)				1855	1882.5	1910	(dBm)	(dB)
10	QPSK	1	1	19.89	19.98	19.97	21.0	0.0
Channel				370500	376500	382500	Tune-up limit	MPR
Frequency (MHz)				1852.5	1882.5	1912.5	(dBm)	(dB)
5	QPSK	1	1	19.92	20.03	19.99	21.0	0.0

n26 Ant 1 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	22.92	22.99	22.93	24.0	0.0
20	PI/2 BPSK	1	53	22.77	22.92	22.85		
20	PI/2 BPSK	1	104	22.78	22.78	22.84		
20	PI/2 BPSK	50	0	22.22	22.36	22.19	23.5	0.5
20	PI/2 BPSK	50	28	22.84	22.86	22.81	24.0	0.0
20	PI/2 BPSK	50	56	22.10	22.26	22.08	23.5	0.5
20	PI/2 BPSK	100	0	22.32	22.44	22.16		
20	QPSK	1	1	23.06	23.13	22.99	24.0	0.0
20	QPSK	1	53	23.01	22.82	22.80		
20	QPSK	1	104	22.80	22.97	22.78		
20	QPSK	50	0	21.89	21.84	21.67	23.0	1.0
20	QPSK	50	28	22.82	23.04	22.89	24.0	0.0
20	QPSK	50	56	21.73	21.85	21.79	23.0	1.0
20	QPSK	100	0	21.74	21.88	21.62		
20	16QAM	1	1	21.79	21.78	21.53	23.0	1.0
20	64QAM	1	1	20.44	20.37	20.16	21.5	2.5
20	256QAM	1	1	19.00	19.15	19.03	19.5	4.5
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	22.99	23.05	22.84	24.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	22.96	23.00	22.92	24.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	22.92	23.07	22.85	24.0	0.0

n30 Ant 1 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					462000			
Frequency (MHz)					2310			
10	PI/2 BPSK	1	1		20.06		21.3	0.0
10	PI/2 BPSK	1	26		19.94			
10	PI/2 BPSK	1	50		19.97			
10	PI/2 BPSK	25	0		19.96		21.3	0.0
10	PI/2 BPSK	25	14		20.03		21.3	0.0
10	PI/2 BPSK	25	27		19.92		21.3	0.0
10	PI/2 BPSK	50	0		19.97			
10	QPSK	1	1		20.10		21.3	0.0
10	QPSK	1	26		20.06			
10	QPSK	1	50		19.93			
10	QPSK	25	0		19.97		21.3	0.0
10	QPSK	25	14		20.07		21.3	0.0
10	QPSK	25	27		19.97		21.3	0.0
10	QPSK	50	0		20.00			
10	16QAM	1	1		19.89		21.3	0.0
10	64QAM	1	1		19.94		21.3	0.0
10	256QAM	1	1		19.09		19.5	1.8
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	19.89	20.02	19.96	21.3	0.0

n66 Ant 1 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	20.69	20.78	20.72	22.0	0.0
40	PI/2 BPSK	1	108	20.64	20.71	20.63		
40	PI/2 BPSK	1	214	20.50	20.60	20.57		
40	PI/2 BPSK	108	0	20.66	20.65	20.54	22.0	0.0
40	PI/2 BPSK	108	54	20.71	20.67	20.59	22.0	0.0
40	PI/2 BPSK	108	108	20.56	20.63	20.51	22.0	0.0
40	PI/2 BPSK	216	0	20.63	20.73	20.62		
40	QPSK	1	1	20.70	20.85	20.77	22.0	0.0
40	QPSK	1	108	20.57	20.72	20.62		
40	QPSK	1	214	20.63	20.66	20.48		
40	QPSK	108	0	20.64	20.61	20.63	22.0	0.0
40	QPSK	108	54	20.67	20.76	20.72	22.0	0.0
40	QPSK	108	108	20.55	20.71	20.52	22.0	0.0
40	QPSK	216	0	20.62	20.69	20.59		
40	16QAM	1	1	20.57	20.60	20.56	22.0	0.0
40	64QAM	1	1	20.32	20.43	20.34	21.5	0.5
40	256QAM	1	1	18.77	18.91	18.86	19.5	2.5
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	20.63	20.79	20.70	22.0	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	20.66	20.71	20.67	22.0	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	20.59	20.74	20.69	22.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	20.60	20.70	20.66	22.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	20.58	20.73	20.71	22.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	20.59	20.81	20.64	22.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	20.62	20.71	20.62	22.0	0.0

n70 Ant 1 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					340500			
Frequency (MHz)					1702.5			
15	PI/2 BPSK	1	1		20.68		22.0	0.0
15	PI/2 BPSK	1	40		20.52			
15	PI/2 BPSK	1	77		20.45			
15	PI/2 BPSK	36	0		20.54		22.0	0.0
15	PI/2 BPSK	36	22		20.48		22.0	0.0
15	PI/2 BPSK	36	43		20.48		22.0	0.0
15	PI/2 BPSK	75	0		20.60			
15	QPSK	1	1		20.72		22.0	0.0
15	QPSK	1	40		20.62			
15	QPSK	1	77		20.50			
15	QPSK	36	0		20.44		22.0	0.0
15	QPSK	36	22		20.65		22.0	0.0
15	QPSK	36	43		20.55		22.0	0.0
15	QPSK	75	0		20.60			
15	16QAM	1	1		20.45		22.0	0.0
15	64QAM	1	1		20.24		21.5	0.5
	256QAM	1	1		19.17		19.5	2.5
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	20.53	20.62	20.58	22.0	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	20.49	20.59	20.52	22.0	0.0

n71 Ant 1 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	23.33	23.49	23.30	24.0	0.0
20	PI/2 BPSK	1	53	23.26	23.32	23.30		
20	PI/2 BPSK	1	104	23.33	23.19	23.15		
20	PI/2 BPSK	50	0	22.75	22.85	22.68	23.5	0.5
20	PI/2 BPSK	50	28	23.27	23.32	23.15	24.0	0.0
20	PI/2 BPSK	50	56	22.53	22.71	22.63	23.5	0.5
20	PI/2 BPSK	100	0	22.64	22.91	22.59		
20	QPSK	1	1	23.47	23.50	23.36	24.0	0.0
20	QPSK	1	53	23.28	23.36	23.22		
20	QPSK	1	104	23.28	23.45	23.21		
20	QPSK	50	0	22.28	22.29	22.08	23.0	1.0
20	QPSK	50	28	23.35	23.39	23.12	24.0	0.0
20	QPSK	50	56	22.28	22.30	22.18	23.0	1.0
20	QPSK	100	0	22.16	22.36	22.18		
20	16QAM	1	1	22.05	22.17	22.02	23.0	1.0
20	64QAM	1	1	20.73	20.86	20.71	21.5	2.5
20	256QAM	1	1	19.40	19.43	19.34	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	23.38	23.44	23.32	24.0	0.0
Channel				133800	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	23.34	23.37	23.23	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	23.34	23.42	23.30	24.0	0.0

n41 HPUE Ant 1 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	20.45	20.66	20.56	22.1	0.0
100	PI/2 BPSK	1	137	20.58	20.51	20.58		
100	PI/2 BPSK	1	271	20.34	20.47	20.43		
100	PI/2 BPSK	135	0	20.59	20.62	20.43	22.1	0.0
100	PI/2 BPSK	135	69	20.57	20.54	20.43	22.1	0.0
100	PI/2 BPSK	135	138	20.42	20.51	20.36	22.1	0.0
100	PI/2 BPSK	270	0	20.52	20.56	20.57		
100	QPSK	1	1	20.60	20.71	20.62	22.1	0.0
100	QPSK	1	137	20.49	20.63	20.56		
100	QPSK	1	271	20.66	20.58	20.42		
100	QPSK	135	0	20.56	20.57	20.49	22.1	0.0
100	QPSK	135	69	20.65	20.66	20.52	22.1	0.0
100	QPSK	135	138	20.50	20.63	20.58	22.1	0.0
100	QPSK	270	0	20.59	20.61	20.54		
100	16QAM	1	1	20.50	20.44	20.49	22.1	0.0
100	64QAM	1	1	20.50	20.61	20.37	22.1	0.0
100	256QAM	1	1	19.69	19.82	19.68	21.5	0.6
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	20.53	20.66	20.54	22.1	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	20.50	20.64	20.58	22.1	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	20.55	20.59	20.52	22.1	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	20.52	20.57	20.47	22.1	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	20.52	20.65	20.52	22.1	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	20.48	20.56	20.59	22.1	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	20.53	20.64	20.52	22.1	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	20.48	20.66	20.57	22.1	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	20.50	20.64	20.54	22.1	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	20.48	20.58	20.50	22.1	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	20.52	20.60	20.53	22.1	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	20.53	20.61	20.57	22.1	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	20.49	20.58	20.54	22.1	0.0

n2 Ant 2 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PI/2 BPSK	1	1	17.57	17.77	17.72	18.9	0.0
40	PI/2 BPSK	1	108	17.66	17.73	17.64		
40	PI/2 BPSK	1	214	17.48	17.65	17.64		
40	PI/2 BPSK	108	0	17.57	17.60	17.58	18.9	0.0
40	PI/2 BPSK	108	54	17.62	17.57	17.63	18.9	0.0
40	PI/2 BPSK	108	108	17.63	17.62	17.57	18.9	0.0
40	PI/2 BPSK	216	0	17.52	17.57	17.61		
40	QPSK	1	1	17.78	17.85	17.79	18.9	0.0
40	QPSK	1	108	17.77	17.83	17.71		
40	QPSK	1	214	17.66	17.77	17.71		
40	QPSK	108	0	17.71	17.75	17.75	18.9	0.0
40	QPSK	108	54	17.63	17.79	17.65	18.9	0.0
40	QPSK	108	108	17.65	17.71	17.52	18.9	0.0
40	QPSK	216	0	17.56	17.74	17.62		
40	16QAM	1	1	17.57	17.68	17.59	18.9	0.0
40	64QAM	1	1	17.69	17.62	17.57	18.9	0.0
40	256QAM	1	1	17.59	17.59	17.56	18.9	0.0
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	17.73	17.72	17.74	0.0	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	17.72	17.78	17.69	0.0	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	17.63	17.81	17.73	0.0	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	17.73	17.77	17.72	0.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	17.65	17.70	17.72	18.9	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	17.75	17.81	17.65	18.9	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	17.66	17.73	17.64	18.9	0.0

n7 Ant 2 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	18.61	18.72	18.77	19.8	0.0
50	PI/2 BPSK	1	135	18.66	18.75	18.69		
50	PI/2 BPSK	1	268	18.51	18.63	18.62		
50	PI/2 BPSK	135	0	18.58	18.60	18.57	19.8	0.0
50	PI/2 BPSK	135	68	18.65	18.63	18.65	19.8	0.0
50	PI/2 BPSK	135	135	18.62	18.64	18.61	19.8	0.0
50	PI/2 BPSK	270	0	18.49	18.55	18.57		
50	QPSK	1	1	18.75	18.87	18.77	19.8	0.0
50	QPSK	1	135	18.79	18.85	18.77		
50	QPSK	1	268	18.64	18.78	18.72		
50	QPSK	135	0	18.74	18.72	18.74	19.8	0.0
50	QPSK	135	68	18.65	18.85	18.62	19.8	0.0
50	QPSK	135	135	18.66	18.75	18.56	19.8	0.0
50	QPSK	270	0	18.58	18.79	18.59		
50	16QAM	1	1	18.57	18.67	18.61	19.8	0.0
50	64QAM	1	1	18.71	18.58	18.60	19.8	0.0
50	256QAM	1	1	18.64	18.61	18.58	19.5	0.3
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	18.71	18.76	18.74	19.8	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	18.61	18.73	18.65	0.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	18.66	18.77	18.73	19.8	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	18.70	18.75	18.64	19.8	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	18.64	18.77	18.69	19.8	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	18.64	18.83	18.71	19.8	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	18.65	18.80	18.69	19.8	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	18.72	18.78	18.73	19.8	0.0

n25 Ant 2 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	17.69	17.83	17.75	18.9	0.0
40	PI/2 BPSK	1	108	17.72	17.83	17.69		
40	PI/2 BPSK	1	214	17.54	17.66	17.65		
40	PI/2 BPSK	108	0	17.61	17.64	17.69	18.9	0.0
40	PI/2 BPSK	108	54	17.63	17.67	17.73	18.9	0.0
40	PI/2 BPSK	108	108	17.67	17.67	17.64	18.9	0.0
40	PI/2 BPSK	216	0	17.58	17.62	17.72		
40	QPSK	1	1	17.82	17.91	17.86	18.9	0.0
40	QPSK	1	108	17.79	17.86	17.72		
40	QPSK	1	214	17.76	17.81	17.78		
40	QPSK	108	0	17.71	17.85	17.75	18.9	0.0
40	QPSK	108	54	17.68	17.89	17.75	18.9	0.0
40	QPSK	108	108	17.71	17.72	17.62	18.9	0.0
40	QPSK	216	0	17.66	17.80	17.68		
40	16QAM	1	1	17.58	17.70	17.69	18.9	0.0
40	64QAM	1	1	17.72	17.69	17.68	18.9	0.0
40	256QAM	1	1	17.64	17.70	17.56	18.9	0.0
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1	17.81	17.85	17.78	18.9	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	17.73	17.81	17.76	18.9	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	17.79	17.83	17.72	18.9	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	17.75	17.86	17.78	18.9	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	17.72	17.76	17.74	18.9	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	17.70	17.87	17.77	18.9	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	17.73	17.82	17.74	18.9	0.0

n30 Ant 2 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					462000			
Frequency (MHz)					2310			
10	PI/2 BPSK	1	1		18.49		19.4	0.0
10	PI/2 BPSK	1	26		18.51			
10	PI/2 BPSK	1	50		18.47			
10	PI/2 BPSK	25	0		18.38		19.4	0.0
10	PI/2 BPSK	25	14		18.51		19.4	0.0
10	PI/2 BPSK	25	27		18.36		19.4	0.0
10	PI/2 BPSK	50	0		18.45			
10	QPSK	1	1		18.52		19.4	0.0
10	QPSK	1	26		18.50			
10	QPSK	1	50		18.45			
10	QPSK	25	0		18.40		19.4	0.0
10	QPSK	25	14		18.49		19.4	0.0
10	QPSK	25	27		18.36		19.4	0.0
10	QPSK	50	0		18.42			
10	16QAM	1	1		18.41		19.4	0.0
10	64QAM	1	1		18.45		19.4	0.0
10	256QAM	1	1		18.43		19.4	0.0
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	18.48	18.50	18.49	19.4	0.0

n66 Ant 2 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	19.61	19.75	19.66	20.8	0.0
40	PI/2 BPSK	1	108	19.56	19.65	19.60		
40	PI/2 BPSK	1	214	19.57	19.60	19.48		
40	PI/2 BPSK	108	0	19.60	19.71	19.58	20.8	0.0
40	PI/2 BPSK	108	54	19.65	19.67	19.58	20.8	0.0
40	PI/2 BPSK	108	108	19.51	19.62	19.55	20.8	0.0
40	PI/2 BPSK	216	0	19.67	19.71	19.62		
40	QPSK	1	1	19.73	19.78	19.71	20.8	0.0
40	QPSK	1	108	19.67	19.73	19.61		
40	QPSK	1	214	19.61	19.63	19.58		
40	QPSK	108	0	19.63	19.62	19.58	20.8	0.0
40	QPSK	108	54	19.59	19.67	19.62	20.8	0.0
40	QPSK	108	108	19.54	19.60	19.49	20.8	0.0
40	QPSK	216	0	19.58	19.66	19.56		
40	16QAM	1	1	19.61	19.64	19.63	20.8	0.0
40	64QAM	1	1	19.56	19.67	19.55	20.8	0.0
40	256QAM	1	1	19.29	19.25	19.24	19.5	1.3
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	19.58	19.69	19.58	20.8	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	19.51	19.70	19.67	20.8	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	19.51	19.68	19.64	20.8	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	19.54	19.67	19.66	20.8	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	19.57	19.72	19.67	20.8	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	19.49	19.75	19.66	20.8	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	19.53	19.70	19.56	20.8	0.0

n70 Ant 2 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					340500			
Frequency (MHz)					1702.5			
15	PI/2 BPSK	1	1		19.73		20.9	0.0
15	PI/2 BPSK	1	40		19.70			
15	PI/2 BPSK	1	77		19.60			
15	PI/2 BPSK	36	0		19.67		20.9	0.0
15	PI/2 BPSK	36	22		19.69		20.9	0.0
15	PI/2 BPSK	36	43		19.56		20.9	0.0
15	PI/2 BPSK	75	0		19.66			
15	QPSK	1	1		19.78		20.9	0.0
15	QPSK	1	40		19.68			
15	QPSK	1	77		19.64			
15	QPSK	36	0		19.69		20.9	0.0
15	QPSK	36	22		19.74		20.9	0.0
15	QPSK	36	43		19.60		20.9	0.0
15	QPSK	75	0		19.64			
15	16QAM	1	1		19.57		20.9	0.0
15	64QAM	1	1		19.51		20.9	0.0
15	256QAM	1	1		18.96		19.5	1.4
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	19.60	19.71	19.67	20.9	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	19.60	19.66	19.62	20.9	0.0

n41 HPUE Ant 2 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	17.52	17.57	17.54	19.1	0.0
100	PI/2 BPSK	1	137	17.40	17.41	17.47		
100	PI/2 BPSK	1	271	17.42	17.50	17.53		
100	PI/2 BPSK	135	0	17.52	17.38	17.41	19.1	0.0
100	PI/2 BPSK	135	69	17.49	17.51	17.51	19.1	0.0
100	PI/2 BPSK	135	138	17.46	17.35	17.37	19.1	0.0
100	PI/2 BPSK	270	0	17.44	17.49	17.44		
100	QPSK	1	1	17.56	17.73	17.67	19.1	0.0
100	QPSK	1	137	17.50	17.67	17.50		
100	QPSK	1	271	17.57	17.64	17.51		
100	QPSK	135	0	17.55	17.46	17.41	19.1	0.0
100	QPSK	135	69	17.52	17.68	17.55	19.1	0.0
100	QPSK	135	138	17.39	17.50	17.38	19.1	0.0
100	QPSK	270	0	17.45	17.61	17.46		
100	16QAM	1	1	17.54	17.58	17.42	19.1	0.0
100	64QAM	1	1	17.52	17.54	17.53	19.1	0.0
100	256QAM	1	1	17.37	17.49	17.42	19.1	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	17.48	17.69	17.56	19.1	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	17.51	17.59	17.62	19.1	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	17.46	17.67	17.61	19.1	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	17.41	17.66	17.55	19.1	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	17.41	17.61	17.56	19.1	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	17.41	17.64	17.62	19.1	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	17.52	17.62	17.62	19.1	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	17.45	17.58	17.64	19.1	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	17.47	17.60	17.58	19.1	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	17.41	17.69	17.59	19.1	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	17.48	17.67	17.60	19.1	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	17.49	17.65	17.56	19.1	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	17.44	17.63	17.53	19.1	0.0

n2 Ant 3 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PI/2 BPSK	1	1	21.32	21.49	21.42	22.7	0.0
40	PI/2 BPSK	1	108	21.43	21.50	21.41		
40	PI/2 BPSK	1	214	21.27	21.46	21.27		
40	PI/2 BPSK	108	0	21.38	21.48	21.37	22.7	0.0
40	PI/2 BPSK	108	54	21.43	21.42	21.32	22.7	0.0
40	PI/2 BPSK	108	108	21.30	21.35	21.33	22.7	0.0
40	PI/2 BPSK	216	0	21.38	21.44	21.39		
40	QPSK	1	1	21.41	21.57	21.53	22.7	0.0
40	QPSK	1	108	21.37	21.52	21.40		
40	QPSK	1	214	21.35	21.48	21.29		
40	QPSK	108	0	21.39	21.46	21.42	22.7	0.0
40	QPSK	108	54	21.37	21.50	21.41	22.7	0.0
40	QPSK	108	108	21.34	21.42	21.33	22.7	0.0
40	QPSK	216	0	21.36	21.46	21.38		
40	16QAM	1	1	21.38	21.36	21.42	22.7	0.0
40	64QAM	1	1	20.37	20.43	20.33	21.5	1.2
40	256QAM	1	1	18.96	19.08	19.05	19.5	3.2
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	21.43	21.56	21.54	22.7	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	21.42	21.56	21.51	22.7	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	21.37	21.49	21.54	22.7	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	21.37	21.56	21.56	22.7	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	21.35	21.55	21.52	22.7	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	21.39	21.56	21.48	22.7	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	21.44	21.55	21.45	22.7	0.0

n7 Ant 3 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	20.39	20.46	20.32	21.7	0.0
50	PI/2 BPSK	1	135	20.34	20.40	20.30		
50	PI/2 BPSK	1	268	20.21	20.36	20.28		
50	PI/2 BPSK	135	0	20.30	20.38	20.31	21.7	0.0
50	PI/2 BPSK	135	68	20.33	20.30	20.22	21.7	0.0
50	PI/2 BPSK	135	135	20.24	20.34	20.27	21.7	0.0
50	PI/2 BPSK	270	0	20.28	20.34	20.28		
50	QPSK	1	1	20.41	20.48	20.45	21.7	0.0
50	QPSK	1	135	20.36	20.44	20.38		
50	QPSK	1	268	20.34	20.38	20.21		
50	QPSK	135	0	20.29	20.37	20.31	21.7	0.0
50	QPSK	135	68	20.30	20.46	20.35	21.7	0.0
50	QPSK	135	135	20.22	20.36	20.32	21.7	0.0
50	QPSK	270	0	20.31	20.39	20.27		
50	16QAM	1	1	20.30	20.34	20.26	21.7	0.0
50	64QAM	1	1	20.28	20.32	20.21	21.5	0.2
50	256QAM	1	1	18.96	19.06	18.93	19.5	2.2
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	20.37	20.45	20.31	21.7	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	20.33	20.42	20.35	21.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	20.31	20.35	20.32	21.7	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	20.30	20.40	20.31	21.7	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	20.26	20.37	20.30	21.7	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	20.32	20.41	20.38	21.7	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	20.36	20.39	20.35	21.7	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	20.29	20.45	20.39	21.7	0.0

n25 Ant 3 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	21.48	21.64	21.49	22.7	0.0
40	PI/2 BPSK	1	108	21.49	21.65	21.55		
40	PI/2 BPSK	1	214	21.41	21.59	21.38		
40	PI/2 BPSK	108	0	21.45	21.63	21.50	22.7	0.0
40	PI/2 BPSK	108	54	21.57	21.50	21.48	22.7	0.0
40	PI/2 BPSK	108	108	21.43	21.49	21.45	22.7	0.0
40	PI/2 BPSK	216	0	21.45	21.53	21.50		
40	QPSK	1	1	21.49	21.68	21.60	22.7	0.0
40	QPSK	1	108	21.53	21.58	21.52		
40	QPSK	1	214	21.48	21.60	21.45		
40	QPSK	108	0	21.52	21.59	21.51	22.7	0.0
40	QPSK	108	54	21.53	21.63	21.55	22.7	0.0
40	QPSK	108	108	21.46	21.47	21.44	22.7	0.0
40	QPSK	216	0	21.48	21.54	21.51		
40	16QAM	1	1	21.46	21.48	21.43	22.7	0.0
40	64QAM	1	1	20.61	20.64	20.57	21.5	1.2
40	256QAM	1	1	19.21	19.29	19.28	19.5	3.2
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1	21.56	21.60	21.55	22.7	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	21.42	21.62	21.62	22.7	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	21.49	21.66	21.61	22.7	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	21.47	21.64	21.59	22.7	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	21.47	21.66	21.59	22.7	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	21.47	21.63	21.57	22.7	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	21.49	21.64	21.61	22.7	0.0

n30 Ant 3 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					462000			
Frequency (MHz)					2310			
10	PI/2 BPSK	1	1		20.87		22.2	0.0
10	PI/2 BPSK	1	26		20.84			
10	PI/2 BPSK	1	50		20.76			
10	PI/2 BPSK	25	0		20.89		22.2	0.0
10	PI/2 BPSK	25	14		20.84		22.2	0.0
10	PI/2 BPSK	25	27		20.74		22.2	0.0
10	PI/2 BPSK	50	0		20.80			
10	QPSK	1	1		21.01		22.2	0.0
10	QPSK	1	26		20.93			
10	QPSK	1	50		20.84			
10	QPSK	25	0		20.89		22.2	0.0
10	QPSK	25	14		20.92		22.2	0.0
10	QPSK	25	27		20.79		22.2	0.0
10	QPSK	50	0		20.84			
10	16QAM	1	1		20.77		22.2	0.0
10	64QAM	1	1		20.64		21.5	0.7
10	256QAM	1	1		19.48		19.5	2.7
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	20.86	20.95	20.89	22.2	0.0

n66 Ant 3 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	22.99	23.12	22.93	24.0	0.0
40	PI/2 BPSK	1	108	22.96	22.93	22.99		
40	PI/2 BPSK	1	214	22.85	22.91	22.87		
40	PI/2 BPSK	108	0	22.39	22.45	22.34	23.5	0.5
40	PI/2 BPSK	108	54	22.93	22.99	22.87	24.0	0.0
40	PI/2 BPSK	108	108	22.20	22.33	22.16	23.5	0.5
40	PI/2 BPSK	216	0	22.38	22.53	22.25		
40	QPSK	1	1	23.14	23.18	23.02	24.0	0.0
40	QPSK	1	108	23.09	23.01	22.84		
40	QPSK	1	214	22.84	22.98	22.89		
40	QPSK	108	0	21.90	21.97	21.78	23.0	1.0
40	QPSK	108	54	22.87	23.11	22.85	24.0	0.0
40	QPSK	108	108	21.96	21.92	21.91	23.0	1.0
40	QPSK	216	0	21.87	21.97	21.74		
40	16QAM	1	1	21.87	21.83	21.66	23.0	1.0
40	64QAM	1	1	20.51	20.51	20.39	21.5	2.5
40	256QAM	1	1	19.08	19.13	19.15	19.5	4.5
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	23.00	23.09	22.90	24.0	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	23.04	23.03	22.90	24.0	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	23.07	23.06	22.96	24.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.01	23.11	22.87	24.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	22.99	23.12	22.97	24.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.02	23.09	22.89	24.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.10	23.05	22.99	24.0	0.0

n70 Ant 3 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					340500			
Frequency (MHz)					1702.5			
15	PI/2 BPSK	1	1		22.48		23.9	0.0
15	PI/2 BPSK	1	40		22.43			
15	PI/2 BPSK	1	77		22.38			
15	PI/2 BPSK	36	0		22.40		23.5	0.4
15	PI/2 BPSK	36	22		22.46		23.9	0.0
15	PI/2 BPSK	36	43		22.30		23.5	0.4
15	PI/2 BPSK	75	0		22.41			
15	QPSK	1	1		22.51		23.9	0.0
15	QPSK	1	40		22.40			
15	QPSK	1	77		22.34			
15	QPSK	36	0		21.55		23.0	0.9
15	QPSK	36	22		22.41		23.9	0.0
15	QPSK	36	43		21.48		23.0	0.9
15	QPSK	75	0		21.56			
15	16QAM	1	1		21.50		23.0	0.9
15	64QAM	1	1		20.68		21.5	2.4
	256QAM	1	1		19.33		19.5	4.4
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	22.34	22.46	22.40	23.9	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	22.32	22.41	22.36	23.9	0.0

n41 HPUE Ant 3 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	18.70	18.72	18.64	20.2	0.0
100	PI/2 BPSK	1	137	18.51	18.58	18.65		
100	PI/2 BPSK	1	271	18.52	18.57	18.51		
100	PI/2 BPSK	135	0	18.53	18.67	18.51	20.2	0.0
100	PI/2 BPSK	135	69	18.58	18.67	18.59	20.2	0.0
100	PI/2 BPSK	135	138	18.57	18.56	18.50	20.2	0.0
100	PI/2 BPSK	270	0	18.60	18.61	18.55		
100	QPSK	1	1	18.80	18.86	18.81	20.2	0.0
100	QPSK	1	137	18.71	18.79	18.69		
100	QPSK	1	271	18.66	18.72	18.71		
100	QPSK	135	0	18.68	18.71	18.60	20.2	0.0
100	QPSK	135	69	18.75	18.76	18.60	20.2	0.0
100	QPSK	135	138	18.45	18.60	18.44	20.2	0.0
100	QPSK	270	0	18.47	18.65	18.59		
100	16QAM	1	1	18.49	18.68	18.58	20.2	0.0
100	64QAM	1	1	18.54	18.56	18.49	20.2	0.0
100	256QAM	1	1	18.46	18.56	18.44	20.2	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	18.66	18.82	18.67	20.2	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	18.69	18.78	18.66	20.2	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	18.71	18.82	18.79	20.2	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	18.69	18.72	18.73	20.2	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	18.74	18.81	18.69	20.2	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	18.72	18.77	18.77	20.2	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	18.70	18.74	18.67	20.2	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	18.77	18.82	18.71	20.2	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	18.74	18.80	18.69	20.2	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	18.62	18.77	18.73	20.2	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	18.65	18.75	18.71	20.2	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	18.62	18.71	18.67	20.2	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	18.74	18.82	18.74	20.2	0.0

n48 Part 96 Ant 3 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	21.20	21.22	21.10	22.5	0.0
40	PI/2 BPSK	1	53	20.99	21.04	21.11		
40	PI/2 BPSK	1	104	20.95	21.13	21.04		
40	PI/2 BPSK	50	0	21.08	21.15	21.07	22.5	0.0
40	PI/2 BPSK	50	28	21.11	21.12	21.13	22.5	0.0
40	PI/2 BPSK	50	56	21.14	21.02	21.00	22.5	0.0
40	PI/2 BPSK	100	0	21.11	21.10	21.05		
40	QPSK	1	1	21.28	21.35	21.34	22.5	0.0
40	QPSK	1	53	21.23	21.28	21.26		
40	QPSK	1	104	21.20	21.23	21.18		
40	QPSK	50	0	21.24	21.13	21.16	22.5	0.0
40	QPSK	50	28	21.22	21.32	21.16	22.5	0.0
40	QPSK	50	56	21.03	21.18	21.09	22.5	0.0
40	QPSK	100	0	21.18	21.27	21.21		
40	16QAM	1	1	20.95	21.18	21.09	22.5	0.0
40	64QAM	1	1	20.60	20.62	20.57	21.5	1.0
40	256QAM	1	1	19.25	19.32	19.21	19.5	3.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	21.13	21.32	21.27	22.5	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	21.20	21.24	21.23	22.5	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	21.21	21.26	21.27	22.5	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	21.25	21.26	21.23	22.5	0.0

Part27O n77 HPUE Ant 3 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	18.57	18.68	18.53	19.9	0.0
100	PI/2 BPSK	1	137	18.53	18.48	18.49		
100	PI/2 BPSK	1	271	18.30	18.41	18.35		
100	PI/2 BPSK	135	0	18.43	18.51	18.42	19.9	0.0
100	PI/2 BPSK	135	69	18.43	18.50	18.40	19.9	0.0
100	PI/2 BPSK	135	138	18.26	18.45	18.34	19.9	0.0
100	PI/2 BPSK	270	0	18.47	18.54	18.40		
100	QPSK	1	1	18.70	18.82	18.59	19.9	0.0
100	QPSK	1	137	18.58	18.62	18.53		
100	QPSK	1	271	18.36	18.67	18.59		
100	QPSK	135	0	18.46	18.61	18.48	19.9	0.0
100	QPSK	135	69	18.57	18.80	18.51	19.9	0.0
100	QPSK	135	138	18.48	18.45	18.32	19.9	0.0
100	QPSK	270	0	18.43	18.60	18.23		
100	16QAM	1	1	18.31	18.45	18.34	19.9	0.0
100	64QAM	1	1	18.48	18.56	18.45	19.9	0.0
100	256QAM	1	1	18.07	18.23	18.14	19.9	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.65	18.76	18.58	19.9	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	18.65	18.79	18.56	19.9	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	18.67	18.73	18.56	19.9	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	18.72	18.76	18.58	19.9	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	18.66	18.80	18.52	19.9	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	18.68	18.77	18.59	19.9	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	18.61	18.77	18.50	19.9	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	18.66	18.77	18.54	19.9	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	18.63	18.73	18.54	19.9	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	18.64	18.75	18.57	19.9	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	18.71	18.81	18.61	19.9	0.0

Part27Q n77 HPUE Ant 3 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		18.62		19.9	0.0
100	PI/2 BPSK	1	137		18.59			
100	PI/2 BPSK	1	271		18.49			
100	PI/2 BPSK	135	0		18.56		19.9	0.0
100	PI/2 BPSK	135	69		18.56		19.9	0.0
100	PI/2 BPSK	135	138		18.57		19.9	0.0
100	PI/2 BPSK	270	0		18.74			
100	QPSK	1	1		18.86		19.9	0.0
100	QPSK	1	137		18.57			
100	QPSK	1	271		18.64			
100	QPSK	135	0		18.58		19.9	0.0
100	QPSK	135	69		18.65		19.9	0.0
100	QPSK	135	138		18.61		19.9	0.0
100	QPSK	270	0		18.66			
100	16QAM	1	1		18.16		19.9	0.0
100	64QAM	1	1		18.39		19.9	0.0
100	256QAM	1	1		18.42		19.9	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	18.60	18.65	18.69	19.9	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.57	18.72	18.65	19.9	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	18.59	18.67	18.65	19.9	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.63	18.72	18.61	19.9	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	18.58	18.67	18.60	19.9	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.63	18.71	18.59	19.9	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.61	18.72	18.60	19.9	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	18.57	18.72	18.66	19.9	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.56	18.67	18.59	19.9	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	18.60	18.70	18.62	19.9	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	18.56	18.74	18.65	19.9	0.0

Part27O n78 HPUE Ant 3 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		18.55		19.9	0.0
100	PI/2 BPSK	1	137		18.42			
100	PI/2 BPSK	1	271		18.22			
100	PI/2 BPSK	135	0		18.39		19.9	0.0
100	PI/2 BPSK	135	69		18.53		19.9	0.0
100	PI/2 BPSK	135	138		18.41		19.9	0.0
100	PI/2 BPSK	270	0		18.47			
100	QPSK	1	1		18.65		19.9	0.0
100	QPSK	1	137		18.35			
100	QPSK	1	271		18.59			
100	QPSK	135	0		18.55		19.9	0.0
100	QPSK	135	69		18.62		19.9	0.0
100	QPSK	135	138		18.38		19.9	0.0
100	QPSK	270	0		18.49			
100	16QAM	1	1		18.31		19.9	0.0
100	64QAM	1	1		18.42		19.9	0.0
100	256QAM	1	1		18.03		19.9	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	18.40	18.49	18.37	19.9	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	18.43	18.51	18.38	19.9	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	18.42	18.44	18.42	19.9	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	18.39	18.52	18.45	19.9	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	18.42	18.44	18.40	19.9	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	18.43	18.53	18.43	19.9	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	18.41	18.48	18.47	19.9	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	18.41	18.44	18.47	19.9	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	18.47	18.43	18.48	19.9	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	18.48	18.44	18.42	19.9	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	18.40	18.48	18.40	19.9	0.0

Part27Q n78 HPUE Ant 3 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		18.54		19.9	0.0
100	PI/2 BPSK	1	137		18.55			
100	PI/2 BPSK	1	271		18.33			
100	PI/2 BPSK	135	0		18.46		19.9	0.0
100	PI/2 BPSK	135	69		18.49		19.9	0.0
100	PI/2 BPSK	135	138		18.48		19.9	0.0
100	PI/2 BPSK	270	0		18.62			
100	QPSK	1	1		18.64		19.9	0.0
100	QPSK	1	137		18.49			
100	QPSK	1	271		18.55			
100	QPSK	135	0		18.44		19.9	0.0
100	QPSK	135	69		18.61		19.9	0.0
100	QPSK	135	138		18.48		19.9	0.0
100	QPSK	270	0		18.53			
100	16QAM	1	1		18.06		19.9	0.0
100	64QAM	1	1		18.23		19.9	0.0
100	256QAM	1	1		18.25		19.9	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	18.53	18.56	18.44	19.9	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.59	18.63	18.49	19.9	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	18.55	18.59	18.51	19.9	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.50	18.54	18.44	19.9	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	18.52	18.53	18.46	19.9	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.60	18.58	18.48	19.9	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.51	18.57	18.48	19.9	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	18.54	18.53	18.43	19.9	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.54	18.58	18.51	19.9	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	18.56	18.59	18.48	19.9	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	18.57	18.61	18.43	19.9	0.0

n48 Part 96 Ant 4 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	20.23	20.30	20.25	21.2	0.0
40	PI/2 BPSK	1	53	20.22	20.24	20.19		
40	PI/2 BPSK	1	104	20.08	20.25	20.15		
40	PI/2 BPSK	50	0	20.13	20.22	20.16	21.2	0.0
40	PI/2 BPSK	50	28	20.20	20.26	20.14	21.2	0.0
40	PI/2 BPSK	50	56	20.16	20.20	20.15	21.2	0.0
40	PI/2 BPSK	100	0	20.18	20.27	20.24		
40	QPSK	1	1	20.30	20.39	20.34	21.2	0.0
40	QPSK	1	53	20.25	20.34	20.22		
40	QPSK	1	104	20.23	20.21	20.12		
40	QPSK	50	0	20.18	20.20	20.24	21.2	0.0
40	QPSK	50	28	20.25	20.33	20.30	21.2	0.0
40	QPSK	50	56	20.13	20.17	20.04	21.2	0.0
40	QPSK	100	0	20.19	20.24	20.11		
40	16QAM	1	1	20.13	20.23	20.18	21.2	0.0
40	64QAM	1	1	20.13	20.15	20.10	21.2	0.0
40	256QAM	1	1	19.39	19.46	19.44	20.5	0.7
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	20.29	20.33	20.29	21.2	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	20.32	20.33	20.26	21.2	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	20.23	20.36	20.27	21.2	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	20.26	20.31	20.32	21.2	0.0

Part27O n77 HPUE Ant 4 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.59	19.64	19.63	21.0	0.0
100	PI/2 BPSK	1	137	19.48	19.58	19.60		
100	PI/2 BPSK	1	271	19.46	19.50	19.52		
100	PI/2 BPSK	135	0	19.45	19.67	19.51	21.0	0.0
100	PI/2 BPSK	135	69	19.63	19.80	19.45	21.0	0.0
100	PI/2 BPSK	135	138	19.47	19.57	19.49	21.0	0.0
100	PI/2 BPSK	270	0	19.42	19.68	19.49		
100	QPSK	1	1	19.69	19.87	19.75	21.0	0.0
100	QPSK	1	137	19.71	19.66	19.53		
100	QPSK	1	271	19.54	19.66	19.56		
100	QPSK	135	0	19.49	19.51	19.46	21.0	0.0
100	QPSK	135	69	19.44	19.69	19.52	21.0	0.0
100	QPSK	135	138	19.55	19.52	19.52	21.0	0.0
100	QPSK	270	0	19.44	19.59	19.47		
100	16QAM	1	1	19.42	19.48	19.38	21.0	0.0
100	64QAM	1	1	19.57	19.60	19.47	21.0	0.0
100	256QAM	1	1	19.75	19.70	19.81	21.0	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	19.61	19.81	19.70	21.0	0.0
Channel				648334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	19.66	19.78	19.69	21.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	19.62	19.83	19.75	21.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	19.68	19.81	19.74	21.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	19.68	19.79	19.75	21.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	19.62	19.84	19.77	21.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	19.66	19.78	19.72	21.0	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	19.63	19.83	19.76	21.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	19.62	19.83	19.72	21.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	19.63	19.83	19.68	21.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	19.64	19.81	19.71	21.0	0.0

Part27Q n77 HPUE Ant 4 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.95		21.0	0.0
100	PI/2 BPSK	1	137		19.87			
100	PI/2 BPSK	1	271		19.65			
100	PI/2 BPSK	135	0		19.74		21.0	0.0
100	PI/2 BPSK	135	69		19.79		21.0	0.0
100	PI/2 BPSK	135	138		19.70		21.0	0.0
100	PI/2 BPSK	270	0		19.84			
100	QPSK	1	1		20.02		21.0	0.0
100	QPSK	1	137		19.90			
100	QPSK	1	271		19.90			
100	QPSK	135	0		19.78		21.0	0.0
100	QPSK	135	69		19.87		21.0	0.0
100	QPSK	135	138		19.74		21.0	0.0
100	QPSK	270	0		19.83			
100	16QAM	1	1		19.41		21.0	0.0
100	64QAM	1	1		19.49		21.0	0.0
100	256QAM	1	1		19.57		21.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.99	19.91	19.93	21.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.00	19.91	19.96	21.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.95	20.00	19.86	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.96	20.00	19.97	21.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.91	19.92	19.87	21.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.90	20.00	19.93	21.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.98	19.95	19.91	21.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	19.98	20.01	19.94	21.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.92	19.93	19.90	21.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	20.01	19.96	19.93	21.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	19.93	20.00	19.93	21.0	0.0

Part27O n78 HPUE Ant 4 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		19.72		21.0	0.0
100	PI/2 BPSK	1	137		19.64			
100	PI/2 BPSK	1	271		19.49			
100	PI/2 BPSK	135	0		19.63		21.0	0.0
100	PI/2 BPSK	135	69		19.61		21.0	0.0
100	PI/2 BPSK	135	138		19.59		21.0	0.0
100	PI/2 BPSK	270	0		19.78			
100	QPSK	1	1		19.81		21.0	0.0
100	QPSK	1	137		19.64			
100	QPSK	1	271		19.65			
100	QPSK	135	0		19.65		21.0	0.0
100	QPSK	135	69		19.76		21.0	0.0
100	QPSK	135	138		19.68		21.0	0.0
100	QPSK	270	0		19.65			
100	16QAM	1	1		19.49		21.0	0.0
100	64QAM	1	1		19.52		21.0	0.0
100	256QAM	1	1		19.44		21.0	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	19.71	19.69	19.64	21.0	0.0
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	19.68	19.66	19.71	21.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	19.71	19.65	19.64	21.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	19.61	19.65	19.68	21.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	19.64	19.71	19.69	21.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	19.62	19.67	19.63	21.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	19.71	19.73	19.66	21.0	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	19.71	19.69	19.72	21.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	19.66	19.75	19.64	21.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	19.66	19.73	19.62	21.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	19.64	19.74	19.60	21.0	0.0

Part27Q n78 HPUE Ant 4 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.96		21.0	0.0
100	PI/2 BPSK	1	137		19.95			
100	PI/2 BPSK	1	271		19.76			
100	PI/2 BPSK	135	0		19.86		21.0	0.0
100	PI/2 BPSK	135	69		19.79		21.0	0.0
100	PI/2 BPSK	135	138		19.66		21.0	0.0
100	PI/2 BPSK	270	0		19.87			
100	QPSK	1	1		20.00		21.0	0.0
100	QPSK	1	137		19.89			
100	QPSK	1	271		19.93			
100	QPSK	135	0		19.73		21.0	0.0
100	QPSK	135	69		19.96		21.0	0.0
100	QPSK	135	138		19.89		21.0	0.0
100	QPSK	270	0		19.90			
100	16QAM	1	1		19.44		21.0	0.0
100	64QAM	1	1		19.60		21.0	0.0
100	256QAM	1	1		19.58		21.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.90	19.95	19.90	21.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.94	19.87	19.94	21.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.92	19.90	19.96	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.97	19.87	19.85	21.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.87	19.91	19.94	21.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.96	19.95	19.95	21.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.86	19.96	19.93	21.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	19.85	19.96	19.88	21.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.87	19.91	19.89	21.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	19.95	19.97	19.84	21.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	19.91	19.92	19.91	21.0	0.0

n48 Part 96 Ant 6 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	20.39	20.32	20.27	21.5	0.0
40	PI/2 BPSK	1	53	20.30	20.21	20.35		
40	PI/2 BPSK	1	104	20.18	20.18	20.07		
40	PI/2 BPSK	50	0	20.18	20.28	20.17	21.5	0.0
40	PI/2 BPSK	50	28	20.29	20.19	20.14	21.5	0.0
40	PI/2 BPSK	50	56	19.95	20.13	20.04	21.5	0.0
40	PI/2 BPSK	100	0	20.21	20.33	20.11		
40	QPSK	1	1	20.38	20.49	20.39	21.5	0.0
40	QPSK	1	53	20.38	20.34	20.17		
40	QPSK	1	104	20.20	20.23	20.16		
40	QPSK	50	0	19.78	19.84	19.62	21.0	0.5
40	QPSK	50	28	20.20	20.41	20.14	21.5	0.0
40	QPSK	50	56	19.70	19.82	19.76	21.0	0.5
40	QPSK	100	0	19.68	19.91	19.56		
40	16QAM	1	1	19.76	19.72	19.58	21.0	0.5
40	64QAM	1	1	18.73	18.69	18.64	19.5	2.0
40	256QAM	1	1	17.37	17.36	17.42	17.5	4.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	20.34	20.48	20.35	21.5	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	20.40	20.46	20.33	21.5	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	20.39	20.45	20.37	21.5	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	20.40	20.41	20.35	21.5	0.0

Part27O n77 HPUE Ant 6 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	16.87	16.94	16.80	18.1	0.0
100	PI/2 BPSK	1	137	16.82	16.74	16.68		
100	PI/2 BPSK	1	271	16.77	16.67	16.59		
100	PI/2 BPSK	135	0	16.63	16.71	16.68	18.1	0.0
100	PI/2 BPSK	135	69	16.74	16.76	16.58	18.1	0.0
100	PI/2 BPSK	135	138	16.46	16.69	16.53	18.1	0.0
100	PI/2 BPSK	270	0	16.68	16.81	16.62		
100	QPSK	1	1	16.87	16.96	16.86	18.1	0.0
100	QPSK	1	137	16.95	16.77	16.71		
100	QPSK	1	271	16.71	16.82	16.70		
100	QPSK	135	0	16.71	16.73	16.56	18.1	0.0
100	QPSK	135	69	16.72	16.88	16.68	18.1	0.0
100	QPSK	135	138	16.72	16.68	16.66	18.1	0.0
100	QPSK	270	0	16.69	16.78	16.47		
100	16QAM	1	1	16.65	16.74	16.44	18.1	0.0
100	64QAM	1	1	16.87	16.79	16.75	18.1	0.0
100	256QAM	1	1	16.89	16.91	16.79	18.1	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	16.75	16.83	16.75	18.1	0.0
Channel				648334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	16.79	16.81	16.72	18.1	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	16.80	16.78	16.78	18.1	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	16.72	16.80	16.71	18.1	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	16.82	16.74	16.74	18.1	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	16.75	16.74	16.70	18.1	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	16.80	16.74	16.80	18.1	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	16.83	16.83	16.79	18.1	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	16.83	16.77	16.70	18.1	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	16.83	16.79	16.75	18.1	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	16.76	16.79	16.75	18.1	0.0

Part27Q n77 HPUE Ant 6 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		17.08		18.1	0.0
100	PI/2 BPSK	1	137		17.08			
100	PI/2 BPSK	1	271		16.91			
100	PI/2 BPSK	135	0		17.04		18.1	0.0
100	PI/2 BPSK	135	69		16.96		18.1	0.0
100	PI/2 BPSK	135	138		16.88		18.1	0.0
100	PI/2 BPSK	270	0		17.05			
100	QPSK	1	1		17.28		18.1	0.0
100	QPSK	1	137		17.04			
100	QPSK	1	271		17.06			
100	QPSK	135	0		16.97		18.1	0.0
100	QPSK	135	69		17.25		18.1	0.0
100	QPSK	135	138		17.06		18.1	0.0
100	QPSK	270	0		17.18			
100	16QAM	1	1		17.04		18.1	0.0
100	64QAM	1	1		17.16		18.1	0.0
100	256QAM	1	1		16.72		18.1	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.12	17.11	17.11	18.1	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.10	17.22	17.11	18.1	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	17.05	17.13	17.02	18.1	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.09	17.19	17.07	18.1	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.12	17.14	17.09	18.1	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.12	17.18	17.07	18.1	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	17.07	17.11	17.09	18.1	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	17.04	17.17	17.09	18.1	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.09	17.14	17.01	18.1	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	17.10	17.14	17.09	18.1	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	17.12	17.17	17.12	18.1	0.0

Part27O n78 HPUE Ant 6 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		16.77		18.1	0.0
100	PI/2 BPSK	1	137		16.74			
100	PI/2 BPSK	1	271		16.64			
100	PI/2 BPSK	135	0		16.59		18.1	0.0
100	PI/2 BPSK	135	69		16.48		18.1	0.0
100	PI/2 BPSK	135	138		16.57		18.1	0.0
100	PI/2 BPSK	270	0		16.67			
100	QPSK	1	1		16.89		18.1	0.0
100	QPSK	1	137		16.72			
100	QPSK	1	271		16.71			
100	QPSK	135	0		16.68		18.1	0.0
100	QPSK	135	69		16.82		18.1	0.0
100	QPSK	135	138		16.78		18.1	0.0
100	QPSK	270	0		16.81			
100	16QAM	1	1		16.87		18.1	0.0
100	64QAM	1	1		16.86		18.1	0.0
100	256QAM	1	1		16.82		18.1	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	16.75	16.70	16.61	18.1	0.0
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	16.75	16.68	16.67	18.1	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	16.71	16.77	16.67	18.1	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	16.73	16.76	16.67	18.1	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	16.70	16.71	16.63	18.1	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	16.67	16.75	16.62	18.1	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	16.73	16.71	16.64	18.1	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	16.72	16.68	16.65	18.1	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	16.72	16.76	16.62	18.1	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	16.77	16.70	16.61	18.1	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	16.75	16.72	16.63	18.1	0.0

Part27Q n78 HPUE Ant 6 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		17.13		18.1	0.0
100	PI/2 BPSK	1	137		17.04			
100	PI/2 BPSK	1	271		16.81			
100	PI/2 BPSK	135	0		16.96		18.1	0.0
100	PI/2 BPSK	135	69		16.88		18.1	0.0
100	PI/2 BPSK	135	138		17.01		18.1	0.0
100	PI/2 BPSK	270	0		16.92			
100	QPSK	1	1		17.26		18.1	0.0
100	QPSK	1	137		17.01			
100	QPSK	1	271		17.11			
100	QPSK	135	0		16.96		18.1	0.0
100	QPSK	135	69		17.08		18.1	0.0
100	QPSK	135	138		17.00		18.1	0.0
100	QPSK	270	0		17.07			
100	16QAM	1	1		17.09		18.1	0.0
100	64QAM	1	1		17.20		18.1	0.0
100	256QAM	1	1		16.98		18.1	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.97	17.06	16.94	18.1	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.99	17.07	16.90	18.1	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	17.04	17.05	16.91	18.1	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.02	17.09	16.90	18.1	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.96	17.05	16.94	18.1	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.00	17.08	16.88	18.1	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.96	17.10	16.92	18.1	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	16.99	17.10	16.89	18.1	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.03	17.04	16.91	18.1	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	16.95	17.07	16.99	18.1	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	16.98	17.09	16.95	18.1	0.0

n48 Part 96 Ant 8 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	20.39	20.45	20.34	21.9	0.0
40	PI/2 BPSK	1	53	20.23	20.35	20.37		
40	PI/2 BPSK	1	104	20.14	20.27	20.18		
40	PI/2 BPSK	50	0	20.16	20.36	20.09	21.5	0.4
40	PI/2 BPSK	50	28	20.26	20.33	20.27	21.9	0.0
40	PI/2 BPSK	50	56	19.92	20.23	20.01	21.5	0.4
40	PI/2 BPSK	100	0	20.23	20.27	20.13		
40	QPSK	1	1	20.35	20.46	20.37	21.9	0.0
40	QPSK	1	53	20.36	20.37	20.20		
40	QPSK	1	104	20.14	20.32	20.25		
40	QPSK	50	0	20.12	20.21	20.02	21.0	0.9
40	QPSK	50	28	20.32	20.41	20.16	21.9	0.0
40	QPSK	50	56	20.16	20.24	20.17	21.0	0.9
40	QPSK	100	0	20.03	20.20	20.00		
40	16QAM	1	1	20.05	20.14	20.08	21.0	0.9
40	64QAM	1	1	19.15	19.22	19.18	19.5	2.4
40	256QAM	1	1	17.13	17.20	17.08	17.5	4.4
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	20.12	20.28	20.19	21.9	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	20.17	20.31	20.25	21.9	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	20.22	20.26	20.16	21.9	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	20.17	20.22	20.23	21.9	0.0

Part27O n77 HPUE Ant 8 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.33	19.40	19.33	20.6	0.0
100	PI/2 BPSK	1	137	19.18	19.15	19.25		
100	PI/2 BPSK	1	271	19.13	19.18	19.03		
100	PI/2 BPSK	135	0	19.09	19.21	19.08	20.6	0.0
100	PI/2 BPSK	135	69	19.23	19.24	19.08	20.6	0.0
100	PI/2 BPSK	135	138	18.99	19.08	18.96	20.6	0.0
100	PI/2 BPSK	270	0	19.21	19.19	19.07		
100	QPSK	1	1	19.34	19.46	19.28	20.6	0.0
100	QPSK	1	137	19.32	19.24	19.14		
100	QPSK	1	271	19.22	19.32	19.10		
100	QPSK	135	0	19.12	19.22	19.10	20.6	0.0
100	QPSK	135	69	19.34	19.42	19.31	20.6	0.0
100	QPSK	135	138	19.24	19.21	19.11	20.6	0.0
100	QPSK	270	0	19.14	19.19	18.99		
100	16QAM	1	1	19.09	19.18	19.02	20.6	0.0
100	64QAM	1	1	19.07	19.34	19.28	20.6	0.0
100	256QAM	1	1	19.30	19.32	19.28	20.5	0.1
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	19.24	19.30	19.16	20.6	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	19.31	19.23	19.18	20.6	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	19.27	19.24	19.14	20.6	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	19.21	19.24	19.16	20.6	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	19.23	19.26	19.14	20.6	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	19.25	19.24	19.18	20.6	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	19.21	19.26	19.17	20.6	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	19.31	19.28	19.14	20.6	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	19.20	19.25	19.17	20.6	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	19.27	19.25	19.22	20.6	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	19.32	19.22	19.23	20.6	0.0

Part27Q n77 HPUE Ant 8 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.46		20.6	0.0
100	PI/2 BPSK	1	137		19.44			
100	PI/2 BPSK	1	271		19.27			
100	PI/2 BPSK	135	0		19.42		20.6	0.0
100	PI/2 BPSK	135	69		19.37		20.6	0.0
100	PI/2 BPSK	135	138		19.30		20.6	0.0
100	PI/2 BPSK	270	0		19.42			
100	QPSK	1	1		19.68		20.6	0.0
100	QPSK	1	137		19.44			
100	QPSK	1	271		19.47			
100	QPSK	135	0		19.35		20.6	0.0
100	QPSK	135	69		19.60		20.6	0.0
100	QPSK	135	138		19.38		20.6	0.0
100	QPSK	270	0		19.49			
100	16QAM	1	1		19.66		20.6	0.0
100	64QAM	1	1		19.65		20.6	0.0
100	256QAM	1	1		18.99		20.5	0.1
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.66	19.60	19.61	20.6	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.65	19.60	19.54	20.6	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.58	19.64	19.56	20.6	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.60	19.60	19.55	20.6	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.62	19.65	19.50	20.6	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.59	19.65	19.58	20.6	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.59	19.62	19.55	20.6	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	19.57	19.61	19.62	20.6	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.66	19.61	19.55	20.6	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	19.65	19.62	19.59	20.6	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	19.67	19.63	19.56	20.6	0.0

Part27O n78 HPUE Ant 8 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		19.27		20.6	0.0
100	PI/2 BPSK	1	137		19.15			
100	PI/2 BPSK	1	271		19.02			
100	PI/2 BPSK	135	0		19.00		20.6	0.0
100	PI/2 BPSK	135	69		19.19		20.6	0.0
100	PI/2 BPSK	135	138		18.97		20.6	0.0
100	PI/2 BPSK	270	0		19.22			
100	QPSK	1	1		19.38		20.6	0.0
100	QPSK	1	137		19.29			
100	QPSK	1	271		19.24			
100	QPSK	135	0		19.13		20.6	0.0
100	QPSK	135	69		19.33		20.6	0.0
100	QPSK	135	138		19.11		20.6	0.0
100	QPSK	270	0		19.31			
100	16QAM	1	1		19.30		20.6	0.0
100	64QAM	1	1		19.30		20.6	0.0
100	256QAM	1	1		18.62		20.5	0.1
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	19.19	19.20	19.10	20.6	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	19.11	19.24	19.11	20.6	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	19.08	19.14	19.12	20.6	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	19.12	19.21	19.08	20.6	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	19.12	19.21	19.12	20.6	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	19.19	19.23	19.11	20.6	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	19.08	19.25	19.06	20.6	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	19.08	19.19	19.09	20.6	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	19.14	19.24	19.12	20.6	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	19.19	19.23	19.06	20.6	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	19.11	19.24	19.07	20.6	0.0

Part27Q n78 HPUE Ant 8 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.50		20.6	0.0
100	PI/2 BPSK	1	137		19.54			
100	PI/2 BPSK	1	271		19.30			
100	PI/2 BPSK	135	0		19.43		20.6	0.0
100	PI/2 BPSK	135	69		19.30		20.6	0.0
100	PI/2 BPSK	135	138		19.31		20.6	0.0
100	PI/2 BPSK	270	0		19.61			
100	QPSK	1	1		19.64		20.6	0.0
100	QPSK	1	137		19.59			
100	QPSK	1	271		19.63			
100	QPSK	135	0		19.53		20.6	0.0
100	QPSK	135	69		19.62		20.6	0.0
100	QPSK	135	138		19.56		20.6	0.0
100	QPSK	270	0		19.60			
100	16QAM	1	1		19.62		20.6	0.0
100	64QAM	1	1		19.63		20.6	0.0
100	256QAM	1	1		19.20		20.5	0.1
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.50	19.59	19.54	20.6	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.55	19.56	19.52	20.6	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.57	19.63	19.58	20.6	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.51	19.63	19.55	20.6	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.56	19.63	19.51	20.6	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.57	19.59	19.48	20.6	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.50	19.60	19.50	20.6	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	19.55	19.62	19.53	20.6	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.57	19.59	19.54	20.6	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	19.55	19.58	19.51	20.6	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	19.61	19.59	19.52	20.6	0.0

Reduced Power Mode for ECI6

n2 Ant 0 ECI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PI/2 BPSK	1	1	22.96	23.02	22.90	24.0	0.0
40	PI/2 BPSK	1	108	22.80	22.94	22.86		
40	PI/2 BPSK	1	214	22.87	22.91	22.78		
40	PI/2 BPSK	108	0	22.32	22.45	22.34	23.5	0.5
40	PI/2 BPSK	108	54	22.89	22.96	22.85	24.0	0.0
40	PI/2 BPSK	108	108	22.25	22.33	22.27	23.5	0.5
40	PI/2 BPSK	216	0	22.36	22.40	22.33		
40	QPSK	1	1	23.01	23.07	22.94	24.0	0.0
40	QPSK	1	108	22.88	23.01	22.90		
40	QPSK	1	214	22.86	22.96	22.93		
40	QPSK	108	0	21.84	21.88	21.81	23.0	1.0
40	QPSK	108	54	22.91	23.01	22.87	24.0	0.0
40	QPSK	108	108	21.82	21.87	21.79	23.0	1.0
40	QPSK	216	0	21.89	21.92	21.82		
40	16QAM	1	1	21.53	21.67	21.54	23.0	1.0
40	64QAM	1	1	20.21	20.30	20.23	21.5	2.5
40	256QAM	1	1	18.80	18.83	18.74	19.5	4.5
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	22.89	22.97	22.82	0.0	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	22.95	22.98	22.84	0.0	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	22.88	22.96	22.80	0.0	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	22.87	22.93	22.82	0.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	22.97	22.95	22.82	24.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	22.92	22.98	22.81	24.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	22.91	23.03	22.90	24.0	0.0

n5 Ant 0 ECI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.15	23.22	23.10	24.0	0.0
20	PI/2 BPSK	1	53	23.07	23.06	23.14		
20	PI/2 BPSK	1	104	23.11	23.13	22.99		
20	PI/2 BPSK	50	0	22.54	22.61	22.59	23.5	0.5
20	PI/2 BPSK	50	28	23.06	23.15	23.10	24.0	0.0
20	PI/2 BPSK	50	56	22.37	22.53	22.41	23.5	0.5
20	PI/2 BPSK	100	0	22.58	22.66	22.38		
20	QPSK	1	1	23.23	23.29	23.19	24.0	0.0
20	QPSK	1	53	23.20	23.27	22.96		
20	QPSK	1	104	23.10	23.17	23.06		
20	QPSK	50	0	22.09	22.10	21.88	23.0	1.0
20	QPSK	50	28	23.12	23.26	23.11	24.0	0.0
20	QPSK	50	56	22.02	22.13	21.95	23.0	1.0
20	QPSK	100	0	22.12	22.17	21.86		
20	16QAM	1	1	21.97	22.08	21.93	23.0	1.0
20	64QAM	1	1	20.73	20.76	20.54	21.5	2.5
20	256QAM	1	1	19.29	19.36	19.34	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.13	23.24	23.11	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.14	23.16	23.16	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.08	23.21	23.14	24.0	0.0

n7 Ant 0 ECI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	23.17	23.29	23.13	24.0	0.0
50	PI/2 BPSK	1	135	23.06	23.14	23.12		
50	PI/2 BPSK	1	268	23.10	23.10	23.09		
50	PI/2 BPSK	135	0	22.55	22.62	22.57	23.5	0.5
50	PI/2 BPSK	135	68	23.12	23.15	23.04	24.0	0.0
50	PI/2 BPSK	135	135	22.43	22.57	22.40	23.5	0.5
50	PI/2 BPSK	270	0	22.54	22.63	22.47		
50	QPSK	1	1	23.27	23.32	23.19	24.0	0.0
50	QPSK	1	135	23.20	23.29	23.09		
50	QPSK	1	268	23.12	23.19	23.06		
50	QPSK	135	0	22.06	22.12	21.98	23.0	1.0
50	QPSK	135	68	23.16	23.28	23.11	24.0	0.0
50	QPSK	135	135	22.07	22.06	21.97	23.0	1.0
50	QPSK	270	0	22.08	22.20	21.98		
50	16QAM	1	1	21.80	21.85	21.76	23.0	1.0
50	64QAM	1	1	20.49	20.54	20.49	21.5	2.5
50	256QAM	1	1	19.09	19.06	18.91	19.5	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	23.18	23.28	23.07	24.0	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	23.18	23.26	23.06	0.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	23.13	23.20	23.14	24.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	23.23	23.24	23.09	24.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	23.16	23.28	23.12	24.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	23.20	23.27	23.07	24.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.22	23.22	23.12	24.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	23.21	23.22	23.12	24.0	0.0

n12 Ant 0 ECI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	23.07	23.19	23.03	24.0	0.0
15	PI/2 BPSK	1	40	23.01	23.05	23.05		
15	PI/2 BPSK	1	77	23.01	23.07	22.97		
15	PI/2 BPSK	36	0	22.46	22.54	22.51	23.5	0.5
15	PI/2 BPSK	36	22	23.05	23.07	22.98	24.0	0.0
15	PI/2 BPSK	36	43	22.29	22.43	22.37	23.5	0.5
15	PI/2 BPSK	75	0	22.51	22.58	22.37		
15	QPSK	1	1	23.13	23.27	23.08	24.0	0.0
15	QPSK	1	40	23.15	23.17	22.95		
15	QPSK	1	77	23.01	23.10	22.99		
15	QPSK	36	0	22.00	22.05	21.84	23.0	1.0
15	QPSK	36	22	23.04	23.24	23.01	24.0	0.0
15	QPSK	36	43	22.00	22.05	21.94	23.0	1.0
15	QPSK	75	0	22.01	22.11	21.85		
15	16QAM	1	1	21.94	21.98	21.85	23.0	1.0
15	64QAM	1	1	20.61	20.67	20.54	21.5	2.5
	256QAM	1	1	19.17	19.31	19.26	19.5	4.5
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	23.08	23.16	23.04	24.0	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	23.10	23.14	22.95	24.0	0.0

n14 Ant 0 ECI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					158600			
Frequency (MHz)					793			
10	PI/2 BPSK	1	1		23.57		24.0	0.0
10	PI/2 BPSK	1	26		23.36			
10	PI/2 BPSK	1	50		23.39			
10	PI/2 BPSK	25	0		22.88		23.5	0.5
10	PI/2 BPSK	25	14		23.43		24.0	0.0
10	PI/2 BPSK	25	27		22.81		23.5	0.5
10	PI/2 BPSK	50	0		22.89			
10	QPSK	1	1		23.63		24.0	0.0
10	QPSK	1	26		23.49			
10	QPSK	1	50		23.45			
10	QPSK	25	0		22.40		23.0	1.0
10	QPSK	25	14		23.55		24.0	0.0
10	QPSK	25	27		22.40		23.0	1.0
10	QPSK	50	0		22.44			
10	16QAM	1	1		22.39		23.0	1.0
10	64QAM	1	1		21.04		21.5	2.5
10	256QAM	1	1		19.33		19.5	4.5
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	23.45	23.48	23.39	24.0	0.0

n25 Ant 0 ECI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	23.20	23.26	23.09	24.0	0.0
40	PI/2 BPSK	1	108	23.11	23.21	23.21		
40	PI/2 BPSK	1	214	23.09	23.17	23.03		
40	PI/2 BPSK	108	0	22.60	22.60	22.66	23.5	0.5
40	PI/2 BPSK	108	54	23.10	23.23	23.10	24.0	0.0
40	PI/2 BPSK	108	108	22.42	22.55	22.54	23.5	0.5
40	PI/2 BPSK	216	0	22.61	22.72	22.47		
40	QPSK	1	1	23.32	23.36	23.15	24.0	0.0
40	QPSK	1	108	23.28	23.30	23.12		
40	QPSK	1	214	23.15	23.18	23.07		
40	QPSK	108	0	22.12	22.20	21.99	23.0	1.0
40	QPSK	108	54	23.10	23.32	23.15	24.0	0.0
40	QPSK	108	108	22.05	22.22	22.08	23.0	1.0
40	QPSK	216	0	22.14	22.19	21.94		
40	16QAM	1	1	22.06	22.05	22.01	23.0	1.0
40	64QAM	1	1	20.70	20.74	20.63	21.5	2.5
40	256QAM	1	1	19.25	19.41	19.34	19.5	4.5
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1	23.15	23.20	23.13	24.0	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	23.18	23.27	23.01	24.0	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	23.24	23.31	23.08	24.0	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	23.18	23.23	23.02	24.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	23.28	23.32	23.10	24.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	23.26	23.31	23.01	24.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	23.19	23.27	23.08	24.0	0.0

n26 Ant 0 ECI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	23.24	23.39	23.25	24.0	0.0
20	PI/2 BPSK	1	53	23.12	23.24	23.21		
20	PI/2 BPSK	1	104	23.14	23.18	23.13		
20	PI/2 BPSK	50	0	22.65	22.75	22.65	23.5	0.5
20	PI/2 BPSK	50	28	23.16	23.26	23.16	24.0	0.0
20	PI/2 BPSK	50	56	22.55	22.65	22.54	23.5	0.5
20	PI/2 BPSK	100	0	22.63	22.70	22.62		
20	QPSK	1	1	23.34	23.40	23.28	24.0	0.0
20	QPSK	1	53	23.24	23.34	23.16		
20	QPSK	1	104	23.22	23.29	23.19		
20	QPSK	50	0	22.20	22.20	22.12	23.0	1.0
20	QPSK	50	28	23.23	23.36	23.19	24.0	0.0
20	QPSK	50	56	22.17	22.19	22.06	23.0	1.0
20	QPSK	100	0	22.20	22.28	22.10		
20	16QAM	1	1	21.85	21.98	21.86	23.0	1.0
20	64QAM	1	1	20.53	20.59	20.58	21.5	2.5
20	256QAM	1	1	19.12	19.15	19.00	19.5	4.5
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	23.22	23.36	23.18	24.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	23.24	23.26	23.15	24.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	23.25	23.30	23.23	24.0	0.0

n30 Ant 0 ECI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					462000			
Frequency (MHz)					2310			
10	PI/2 BPSK	1	1		23.41		24.0	0.0
10	PI/2 BPSK	1	26		23.30			
10	PI/2 BPSK	1	50		23.36			
10	PI/2 BPSK	25	0		22.78		23.5	0.5
10	PI/2 BPSK	25	14		23.33		24.0	0.0
10	PI/2 BPSK	25	27		22.70		23.5	0.5
10	PI/2 BPSK	50	0		22.84			
10	QPSK	1	1		23.49		24.0	0.0
10	QPSK	1	26		23.44			
10	QPSK	1	50		23.43			
10	QPSK	25	0		22.25		23.0	1.0
10	QPSK	25	14		23.41		24.0	0.0
10	QPSK	25	27		22.28		23.0	1.0
10	QPSK	50	0		22.35			
10	16QAM	1	1		22.13		23.0	1.0
10	64QAM	1	1		20.69		21.5	2.5
10	256QAM	1	1		19.42		19.5	4.5
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	23.36	23.43	23.32	24.0	0.0

n66 Ant 0 ECI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	22.96	23.04	22.91	24.0	0.0
40	PI/2 BPSK	1	108	22.88	22.91	22.89		
40	PI/2 BPSK	1	214	22.80	22.83	22.77		
40	PI/2 BPSK	108	0	22.30	22.39	22.26	23.5	0.5
40	PI/2 BPSK	108	54	22.88	22.85	22.81	24.0	0.0
40	PI/2 BPSK	108	108	22.10	22.30	22.15	23.5	0.5
40	PI/2 BPSK	216	0	22.31	22.42	22.23		
40	QPSK	1	1	23.05	23.13	23.00	24.0	0.0
40	QPSK	1	108	22.98	22.95	22.80		
40	QPSK	1	214	22.83	22.97	22.80		
40	QPSK	108	0	21.85	21.89	21.71	23.0	1.0
40	QPSK	108	54	22.86	23.05	22.80	24.0	0.0
40	QPSK	108	108	21.85	21.87	21.80	23.0	1.0
40	QPSK	216	0	21.77	21.92	21.66		
40	16QAM	1	1	21.78	21.81	21.66	23.0	1.0
40	64QAM	1	1	20.45	20.43	20.30	21.5	2.5
40	256QAM	1	1	19.03	19.10	19.08	19.5	4.5
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	22.97	23.09	22.91	24.0	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	23.01	23.07	22.90	24.0	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	23.01	23.04	22.89	24.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	22.94	23.09	22.87	24.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	22.92	23.08	22.95	24.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	22.94	22.99	22.89	24.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.00	23.07	22.88	24.0	0.0

n70 Ant 0 ECI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					340500			
Frequency (MHz)					1702.5			
15	PI/2 BPSK	1	1		23.18		24.0	0.0
15	PI/2 BPSK	1	40		23.09			
15	PI/2 BPSK	1	77		23.02			
15	PI/2 BPSK	36	0		22.47		23.5	0.5
15	PI/2 BPSK	36	22		22.98		24.0	0.0
15	PI/2 BPSK	36	43		22.41		23.5	0.5
15	PI/2 BPSK	75	0		22.53			
15	QPSK	1	1		23.30		24.0	0.0
15	QPSK	1	40		23.03			
15	QPSK	1	77		23.15			
15	QPSK	36	0		21.97		23.0	1.0
15	QPSK	36	22		23.22		24.0	0.0
15	QPSK	36	43		21.97		23.0	1.0
15	QPSK	75	0		22.05			
15	16QAM	1	1		21.96		23.0	1.0
15	64QAM	1	1		20.52		21.5	2.5
	256QAM	1	1		19.05		19.5	4.5
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	23.13	23.25	23.16	24.0	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	23.10	23.18	23.09	24.0	0.0

n71 Ant 0 ECI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	23.50	23.57	23.42	24.0	0.0
20	PI/2 BPSK	1	53	23.43	23.41	23.46		
20	PI/2 BPSK	1	104	23.28	23.36	23.26		
20	PI/2 BPSK	50	0	22.81	22.93	22.82	23.5	0.5
20	PI/2 BPSK	50	28	23.38	23.34	23.29	24.0	0.0
20	PI/2 BPSK	50	56	22.63	22.85	22.66	23.5	0.5
20	PI/2 BPSK	100	0	22.81	22.91	22.77		
20	QPSK	1	1	23.59	23.69	23.54	24.0	0.0
20	QPSK	1	53	23.48	23.46	23.31		
20	QPSK	1	104	23.31	23.49	23.35		
20	QPSK	50	0	22.32	22.38	22.20	23.0	1.0
20	QPSK	50	28	23.34	23.50	23.26	24.0	0.0
20	QPSK	50	56	22.36	22.38	22.30	23.0	1.0
20	QPSK	100	0	22.24	22.42	22.20		
20	16QAM	1	1	22.29	22.36	22.22	23.0	1.0
20	64QAM	1	1	20.98	21.00	20.87	21.5	2.5
20	256QAM	1	1	19.28	19.45	19.40	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	23.48	23.58	23.50	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	23.56	23.59	23.43	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	23.52	23.60	23.44	24.0	0.0

n38 Ant 0 ECI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	23.10	23.21	23.14	24.0	0.0
40	PI/2 BPSK	1	53	23.03	23.06	23.07		
40	PI/2 BPSK	1	104	22.94	22.96	22.97		
40	PI/2 BPSK	50	0	22.48	22.58	22.41	23.5	0.5
40	PI/2 BPSK	50	28	23.01	23.01	22.95	24.0	0.0
40	PI/2 BPSK	50	56	22.32	22.52	22.35	23.5	0.5
40	PI/2 BPSK	100	0	22.50	22.57	22.39		
40	QPSK	1	1	23.26	23.34	23.21	24.0	0.0
40	QPSK	1	53	23.18	23.13	23.00		
40	QPSK	1	104	22.95	23.17	23.01		
40	QPSK	50	0	22.06	22.10	21.87	23.0	1.0
40	QPSK	50	28	22.97	23.19	22.97	24.0	0.0
40	QPSK	50	56	22.00	22.05	21.93	23.0	1.0
40	QPSK	100	0	21.95	22.14	21.86		
40	16QAM	1	1	21.99	21.94	21.78	23.0	1.0
40	64QAM	1	1	20.61	20.59	20.41	21.5	2.5
40	256QAM	1	1	19.19	19.31	19.29	19.5	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	23.19	23.31	23.09	24.0	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	23.19	23.21	23.11	24.0	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	23.18	23.29	23.07	24.0	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	23.13	23.24	23.07	24.0	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	23.19	23.28	23.10	24.0	0.0

n41 Ant 0 ECI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	21.82	21.86	21.74	23.0	0.0
100	PI/2 BPSK	1	137	21.74	21.83	21.71		
100	PI/2 BPSK	1	271	21.64	21.78	21.67		
100	PI/2 BPSK	135	0	21.67	21.73	21.69	23.0	0.0
100	PI/2 BPSK	135	69	21.65	21.70	21.57	23.0	0.0
100	PI/2 BPSK	135	138	21.53	21.66	21.51	23.0	0.0
100	PI/2 BPSK	270	0	21.62	21.72	21.58		
100	QPSK	1	1	21.84	21.91	21.88	23.0	0.0
100	QPSK	1	137	21.80	21.85	21.78		
100	QPSK	1	271	21.67	21.78	21.65		
100	QPSK	135	0	21.65	21.72	21.69	23.0	0.0
100	QPSK	135	69	21.80	21.85	21.72	23.0	0.0
100	QPSK	135	138	21.55	21.68	21.57	23.0	0.0
100	QPSK	270	0	21.67	21.75	21.71		
100	16QAM	1	1	21.54	21.66	21.60	23.0	0.0
100	64QAM	1	1	21.11	21.24	21.12	23.0	0.0
100	256QAM	1	1	20.72	20.78	20.74	21.5	1.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.69	21.80	21.76	23.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	21.70	21.84	21.76	23.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.77	21.82	21.80	23.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	21.80	21.77	21.84	23.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.70	21.86	21.79	23.0	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	21.70	21.77	21.82	23.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.77	21.84	21.85	23.0	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	21.73	21.80	21.78	23.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.70	21.84	21.77	23.0	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	21.73	21.85	21.79	23.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.77	21.79	21.82	23.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	21.75	21.84	21.74	23.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	21.70	21.87	21.83	23.0	0.0

n41 HPUE Ant 0 ECI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	24.79	24.87	24.82	26.0	0.0
100	PI/2 BPSK	1	137	24.75	24.67	24.71		
100	PI/2 BPSK	1	271	24.60	24.60	24.61		
100	PI/2 BPSK	135	0	24.09	24.19	24.07	25.5	0.5
100	PI/2 BPSK	135	69	24.72	24.63	24.65	26.0	0.0
100	PI/2 BPSK	135	138	23.89	24.16	24.01	25.5	0.5
100	PI/2 BPSK	270	0	24.15	24.22	24.00		
100	QPSK	1	1	24.90	24.99	24.94	26.0	0.0
100	QPSK	1	137	24.79	24.75	24.63		
100	QPSK	1	271	24.64	24.75	24.63		
100	QPSK	135	0	23.63	23.67	23.46	25.0	1.0
100	QPSK	135	69	24.72	24.87	24.63	26.0	0.0
100	QPSK	135	138	23.70	23.72	23.69	25.0	1.0
100	QPSK	270	0	23.75	23.79	23.71		
100	16QAM	1	1	23.67	23.72	23.67	25.0	1.0
100	64QAM	1	1	22.37	22.42	22.35	23.5	2.5
100	256QAM	1	1	19.68	19.76	19.71	21.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	24.84	24.89	24.86	26.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	24.86	24.90	24.82	26.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	24.87	24.96	24.88	26.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	24.82	24.94	24.82	26.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	24.80	24.87	24.90	26.0	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	24.80	24.85	24.84	26.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	24.80	24.87	24.81	26.0	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	24.84	24.92	24.85	26.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	24.80	24.84	24.82	26.0	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	24.78	24.86	24.86	26.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	24.86	24.86	24.85	26.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	24.83	24.87	24.85	26.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	24.84	24.91	24.81	26.0	0.0

n2 Ant 1 ECI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PI/2 BPSK	1	1	23.02	23.18	23.04	24.0	0.0
40	PI/2 BPSK	1	108	22.96	23.06	22.95		
40	PI/2 BPSK	1	214	22.89	22.94	22.89		
40	PI/2 BPSK	108	0	22.44	22.46	22.35	23.5	0.5
40	PI/2 BPSK	108	54	23.04	22.94	22.98	24.0	0.0
40	PI/2 BPSK	108	108	22.18	22.37	22.31	23.5	0.5
40	PI/2 BPSK	216	0	22.42	22.49	22.29		
40	QPSK	1	1	23.17	23.19	23.10	24.0	0.0
40	QPSK	1	108	23.07	23.06	22.96		
40	QPSK	1	214	22.93	23.08	22.95		
40	QPSK	108	0	21.95	22.02	21.83	23.0	1.0
40	QPSK	108	54	23.02	23.14	22.86	24.0	0.0
40	QPSK	108	108	21.96	21.92	21.87	23.0	1.0
40	QPSK	216	0	21.89	22.08	21.73		
40	16QAM	1	1	21.94	21.89	21.80	23.0	1.0
40	64QAM	1	1	20.58	20.51	20.42	21.5	2.5
40	256QAM	1	1	19.12	19.24	19.19	19.5	4.5
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	23.03	23.12	22.96	0.0	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	23.09	23.15	22.96	0.0	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	23.03	23.14	22.99	0.0	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	23.03	23.06	23.05	0.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	23.09	23.14	23.03	24.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	23.11	23.10	22.99	24.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	23.09	23.15	22.97	24.0	0.0

n5 Ant 1 ECI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	22.87	22.91	22.82	24.0	0.0
20	PI/2 BPSK	1	53	22.77	22.80	22.84		
20	PI/2 BPSK	1	104	22.76	22.77	22.62		
20	PI/2 BPSK	50	0	22.26	22.26	22.22	23.5	0.5
20	PI/2 BPSK	50	28	22.80	22.79	22.74	24.0	0.0
20	PI/2 BPSK	50	56	21.97	22.21	22.01	23.5	0.5
20	PI/2 BPSK	100	0	22.22	22.37	22.20		
20	QPSK	1	1	22.90	22.99	22.91	24.0	0.0
20	QPSK	1	53	22.92	22.85	22.66		
20	QPSK	1	104	22.74	22.88	22.75		
20	QPSK	50	0	21.74	21.81	21.62	23.0	1.0
20	QPSK	50	28	22.82	22.90	22.77	24.0	0.0
20	QPSK	50	56	21.80	21.77	21.68	23.0	1.0
20	QPSK	100	0	21.72	21.80	21.61		
20	16QAM	1	1	21.64	21.68	21.60	23.0	1.0
20	64QAM	1	1	20.38	20.37	20.23	21.5	2.5
20	256QAM	1	1	18.98	18.99	18.97	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.86	22.93	22.79	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.81	22.87	22.82	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.85	22.89	22.78	24.0	0.0

n7 Ant 1 ECI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	22.76	22.81	22.69	24.0	0.0
50	PI/2 BPSK	1	135	22.71	22.67	22.81		
50	PI/2 BPSK	1	268	22.66	22.67	22.52		
50	PI/2 BPSK	135	0	22.15	22.17	22.19	23.5	0.5
50	PI/2 BPSK	135	68	22.72	22.69	22.69	24.0	0.0
50	PI/2 BPSK	135	135	21.83	22.14	21.87	23.5	0.5
50	PI/2 BPSK	270	0	22.18	22.23	22.14		
50	QPSK	1	1	22.77	22.88	22.84	24.0	0.0
50	QPSK	1	135	22.84	22.75	22.59		
50	QPSK	1	268	22.61	22.75	22.60		
50	QPSK	135	0	21.63	21.74	21.57	23.0	1.0
50	QPSK	135	68	22.74	22.81	22.68	24.0	0.0
50	QPSK	135	135	21.76	21.70	21.63	23.0	1.0
50	QPSK	270	0	21.60	21.66	21.46		
50	16QAM	1	1	21.47	21.52	21.43	23.0	1.0
50	64QAM	1	1	19.98	20.05	19.90	21.5	2.5
50	256QAM	1	1	18.52	18.59	18.53	19.5	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	22.68	22.76	22.75	24.0	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	22.66	22.85	22.73	0.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	22.63	22.79	22.72	24.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	22.70	22.77	22.75	24.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	22.73	22.84	22.79	24.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.67	22.76	22.71	24.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.68	22.75	22.79	24.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	22.62	22.81	22.76	24.0	0.0

n12 Ant 1 ECI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	22.83	22.92	22.83	24.0	0.0
15	PI/2 BPSK	1	40	22.80	22.78	22.86		
15	PI/2 BPSK	1	77	22.79	22.78	22.68		
15	PI/2 BPSK	36	0	22.23	22.31	22.27	23.5	0.5
15	PI/2 BPSK	36	22	22.82	22.81	22.79	24.0	0.0
15	PI/2 BPSK	36	43	21.88	22.29	22.01	23.5	0.5
15	PI/2 BPSK	75	0	22.29	22.36	22.21		
15	QPSK	1	1	22.84	23.01	22.94	24.0	0.0
15	QPSK	1	40	22.94	22.91	22.72		
15	QPSK	1	77	22.77	22.83	22.71		
15	QPSK	36	0	21.77	21.88	21.68	23.0	1.0
15	QPSK	36	22	22.83	22.97	22.74	24.0	0.0
15	QPSK	36	43	21.72	21.76	21.57	23.0	1.0
15	QPSK	75	0	21.80	21.81	21.77		
15	16QAM	1	1	21.71	21.75	21.70	23.0	1.0
15	64QAM	1	1	20.19	20.34	20.21	21.5	2.5
	256QAM	1	1	18.97	19.05	18.94	19.5	4.5
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	22.74	22.91	22.89	24.0	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	22.73	22.88	22.83	24.0	0.0

n14 Ant 1 ECI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					158600			
Frequency (MHz)					793			
10	PI/2 BPSK	1	1		23.25		24.0	0.0
10	PI/2 BPSK	1	26		23.14			
10	PI/2 BPSK	1	50		23.05			
10	PI/2 BPSK	25	0		22.60		23.5	0.5
10	PI/2 BPSK	25	14		23.15		24.0	0.0
10	PI/2 BPSK	25	27		22.61		23.5	0.5
10	PI/2 BPSK	50	0		22.69			
10	QPSK	1	1		23.34		24.0	0.0
10	QPSK	1	26		23.21			
10	QPSK	1	50		23.13			
10	QPSK	25	0		22.16		23.0	1.0
10	QPSK	25	14		23.27		24.0	0.0
10	QPSK	25	27		22.08		23.0	1.0
10	QPSK	50	0		22.15			
10	16QAM	1	1		22.09		23.0	1.0
10	64QAM	1	1		20.69		21.5	2.5
10	256QAM	1	1		19.39		19.5	4.5
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	23.15	23.21	23.17	24.0	0.0

n25 Ant 1 ECI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	23.06	23.07	23.01	24.0	0.0
40	PI/2 BPSK	1	108	22.90	22.97	22.98		
40	PI/2 BPSK	1	214	22.87	22.86	22.88		
40	PI/2 BPSK	108	0	22.30	22.42	22.28	23.5	0.5
40	PI/2 BPSK	108	54	22.90	22.89	22.89	24.0	0.0
40	PI/2 BPSK	108	108	22.16	22.40	22.17	23.5	0.5
40	PI/2 BPSK	216	0	22.40	22.48	22.29		
40	QPSK	1	1	23.15	23.20	23.12	24.0	0.0
40	QPSK	1	108	23.08	22.96	22.84		
40	QPSK	1	214	22.85	23.01	22.89		
40	QPSK	108	0	21.93	21.99	21.75	23.0	1.0
40	QPSK	108	54	22.92	23.09	22.80	24.0	0.0
40	QPSK	108	108	21.86	21.88	21.90	23.0	1.0
40	QPSK	216	0	21.82	22.01	21.73		
40	16QAM	1	1	21.88	21.82	21.67	23.0	1.0
40	64QAM	1	1	20.52	20.50	20.30	21.5	2.5
40	256QAM	1	1	19.12	19.19	19.16	19.5	4.5
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1	23.05	23.10	23.04	24.0	0.0
Channel				372000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	23.03	23.11	23.08	24.0	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	23.02	23.09	23.03	24.0	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	23.10	23.15	23.06	24.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	23.12	23.07	23.07	24.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	23.12	23.16	23.08	24.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	23.04	23.14	23.00	24.0	0.0

n26 Ant 1 ECI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	22.92	22.99	22.93	24.0	0.0
20	PI/2 BPSK	1	53	22.77	22.92	22.85		
20	PI/2 BPSK	1	104	22.78	22.78	22.84		
20	PI/2 BPSK	50	0	22.22	22.36	22.19	23.5	0.5
20	PI/2 BPSK	50	28	22.84	22.86	22.81	24.0	0.0
20	PI/2 BPSK	50	56	22.10	22.26	22.08	23.5	0.5
20	PI/2 BPSK	100	0	22.32	22.44	22.16		
20	QPSK	1	1	23.06	23.13	22.99	24.0	0.0
20	QPSK	1	53	23.01	22.82	22.80		
20	QPSK	1	104	22.80	22.97	22.78		
20	QPSK	50	0	21.89	21.84	21.67	23.0	1.0
20	QPSK	50	28	22.82	23.04	22.89	24.0	0.0
20	QPSK	50	56	21.73	21.85	21.79	23.0	1.0
20	QPSK	100	0	21.74	21.88	21.62		
20	16QAM	1	1	21.79	21.78	21.53	23.0	1.0
20	64QAM	1	1	20.44	20.37	20.16	21.5	2.5
20	256QAM	1	1	19.00	19.15	19.03	19.5	4.5
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	22.99	23.05	22.84	24.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	22.96	23.00	22.92	24.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	22.92	23.07	22.85	24.0	0.0

n30 Ant 1 ECI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					462000			
Frequency (MHz)					2310			
10	PI/2 BPSK	1	1		22.41		23.4	0.0
10	PI/2 BPSK	1	26		22.27			
10	PI/2 BPSK	1	50		22.22			
10	PI/2 BPSK	25	0		22.22		23.4	0.0
10	PI/2 BPSK	25	14		22.24		23.4	0.0
10	PI/2 BPSK	25	27		22.21		23.4	0.0
10	PI/2 BPSK	50	0		22.35			
10	QPSK	1	1		22.45		23.4	0.0
10	QPSK	1	26		22.32			
10	QPSK	1	50		22.43			
10	QPSK	25	0		21.77		23.0	0.4
10	QPSK	25	14		22.40		23.4	0.0
10	QPSK	25	27		21.76		23.0	0.4
10	QPSK	50	0		21.84			
10	16QAM	1	1		21.64		23.0	0.4
10	64QAM	1	1		20.27		21.5	1.9
10	256QAM	1	1		19.09		19.5	3.9
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	22.39	22.41	22.37	23.4	0.0

n66 Ant 1 ECI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	23.22	23.32	23.21	24.0	0.0
40	PI/2 BPSK	1	108	23.21	23.24	23.15		
40	PI/2 BPSK	1	214	23.16	23.09	23.07		
40	PI/2 BPSK	108	0	22.60	22.69	22.54	23.5	0.5
40	PI/2 BPSK	108	54	23.16	23.17	23.09	24.0	0.0
40	PI/2 BPSK	108	108	22.36	22.56	22.48	23.5	0.5
40	PI/2 BPSK	216	0	22.58	22.77	22.53		
40	QPSK	1	1	23.37	23.39	23.28	24.0	0.0
40	QPSK	1	108	23.20	23.23	23.15		
40	QPSK	1	214	23.17	23.29	23.06		
40	QPSK	108	0	22.13	22.15	21.98	23.0	1.0
40	QPSK	108	54	23.22	23.30	23.06	24.0	0.0
40	QPSK	108	108	22.20	22.18	22.09	23.0	1.0
40	QPSK	216	0	22.03	22.22	22.01		
40	16QAM	1	1	21.77	21.82	21.67	23.0	1.0
40	64QAM	1	1	20.32	20.43	20.34	21.5	2.5
40	256QAM	1	1	18.77	18.91	18.86	19.5	4.5
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	23.30	23.32	23.19	24.0	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	23.32	23.26	23.15	24.0	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	23.29	23.24	23.21	24.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.24	23.28	23.19	24.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.27	23.34	23.21	24.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.23	23.24	23.22	24.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.30	23.32	23.13	24.0	0.0

n70 Ant 1 ECI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					340500			
Frequency (MHz)					1702.5			
15	PI/2 BPSK	1	1		23.60		24.0	0.0
15	PI/2 BPSK	1	40		23.52			
15	PI/2 BPSK	1	77		23.35			
15	PI/2 BPSK	36	0		23.05		23.5	0.5
15	PI/2 BPSK	36	22		23.48		24.0	0.0
15	PI/2 BPSK	36	43		22.88		23.5	0.5
15	PI/2 BPSK	75	0		23.09			
15	QPSK	1	1		23.66		24.0	0.0
15	QPSK	1	40		23.48			
15	QPSK	1	77		23.56			
15	QPSK	36	0		22.47		23.0	1.0
15	QPSK	36	22		23.60		24.0	0.0
15	QPSK	36	43		22.52		23.0	1.0
15	QPSK	75	0		22.57			
15	16QAM	1	1		22.10		23.0	1.0
15	64QAM	1	1		20.74		21.5	2.5
	256QAM	1	1		19.17		19.5	4.5
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	23.51	23.60	23.57	24.0	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	23.50	23.52	23.50	24.0	0.0

n71 Ant 1 ECI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	23.33	23.49	23.30	24.0	0.0
20	PI/2 BPSK	1	53	23.26	23.32	23.30		
20	PI/2 BPSK	1	104	23.33	23.19	23.15		
20	PI/2 BPSK	50	0	22.75	22.85	22.68	23.5	0.5
20	PI/2 BPSK	50	28	23.27	23.32	23.15	24.0	0.0
20	PI/2 BPSK	50	56	22.53	22.71	22.63	23.5	0.5
20	PI/2 BPSK	100	0	22.64	22.91	22.59		
20	QPSK	1	1	23.47	23.50	23.36	24.0	0.0
20	QPSK	1	53	23.28	23.36	23.22		
20	QPSK	1	104	23.28	23.45	23.21		
20	QPSK	50	0	22.28	22.29	22.08	23.0	1.0
20	QPSK	50	28	23.35	23.39	23.12	24.0	0.0
20	QPSK	50	56	22.28	22.30	22.18	23.0	1.0
20	QPSK	100	0	22.16	22.36	22.18		
20	16QAM	1	1	22.05	22.17	22.02	23.0	1.0
20	64QAM	1	1	20.73	20.86	20.71	21.5	2.5
20	256QAM	1	1	19.40	19.43	19.34	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	23.38	23.44	23.32	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	23.34	23.37	23.23	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	23.34	23.42	23.30	24.0	0.0

n38 Ant 1 ECI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	22.82	22.97	22.83	24.0	0.0
40	PI/2 BPSK	1	53	22.80	22.77	22.76		
40	PI/2 BPSK	1	104	22.66	22.69	22.68		
40	PI/2 BPSK	50	0	22.19	22.36	22.22	23.5	0.5
40	PI/2 BPSK	50	28	22.76	22.70	22.66	24.0	0.0
40	PI/2 BPSK	50	56	22.01	22.20	22.09	23.5	0.5
40	PI/2 BPSK	100	0	22.26	22.28	22.11		
40	QPSK	1	1	22.97	23.01	22.85	24.0	0.0
40	QPSK	1	53	22.91	22.83	22.66		
40	QPSK	1	104	22.77	22.91	22.74		
40	QPSK	50	0	21.81	21.79	21.61	23.0	1.0
40	QPSK	50	28	22.82	22.92	22.73	24.0	0.0
40	QPSK	50	56	21.80	21.80	21.71	23.0	1.0
40	QPSK	100	0	21.68	21.84	21.54		
40	16QAM	1	1	21.64	21.76	21.53	23.0	1.0
40	64QAM	1	1	20.36	20.30	20.23	21.5	2.5
40	256QAM	1	1	18.98	19.01	18.97	19.5	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	22.90	22.96	22.79	24.0	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	22.84	22.92	22.75	24.0	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	22.92	22.98	22.72	24.0	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	22.86	22.91	22.73	24.0	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	22.86	22.93	22.76	24.0	0.0

n41 Ant 1 ECI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	21.65	21.79	21.73	23.0	0.0
100	PI/2 BPSK	1	137	21.60	21.70	21.58		
100	PI/2 BPSK	1	271	21.61	21.74	21.61		
100	PI/2 BPSK	135	0	21.46	21.60	21.53	23.0	0.0
100	PI/2 BPSK	135	69	21.53	21.64	21.59	23.0	0.0
100	PI/2 BPSK	135	138	21.43	21.55	21.46	23.0	0.0
100	PI/2 BPSK	270	0	21.53	21.65	21.54		
100	QPSK	1	1	21.80	21.85	21.70	23.0	0.0
100	QPSK	1	137	21.65	21.78	21.64		
100	QPSK	1	271	21.57	21.70	21.57		
100	QPSK	135	0	21.58	21.66	21.61	23.0	0.0
100	QPSK	135	69	21.68	21.76	21.65	23.0	0.0
100	QPSK	135	138	21.58	21.61	21.52	23.0	0.0
100	QPSK	270	0	21.56	21.66	21.54		
100	16QAM	1	1	21.40	21.52	21.43	23.0	0.0
100	64QAM	1	1	21.16	21.20	21.05	23.0	0.0
100	256QAM	1	1	20.51	20.66	20.61	21.5	1.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.72	21.78	21.60	23.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	21.70	21.75	21.61	23.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.73	21.73	21.62	23.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	21.70	21.71	21.66	23.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.73	21.80	21.59	23.0	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	21.67	21.79	21.67	23.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.75	21.81	21.56	23.0	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	21.73	21.71	21.66	23.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.70	21.78	21.56	23.0	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	21.77	21.76	21.65	23.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.69	21.82	21.57	23.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	21.70	21.75	21.56	23.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	21.76	21.79	21.65	23.0	0.0

n41 HPUE Ant 1 ECI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	24.59	24.65	24.57	26.0	0.0
100	PI/2 BPSK	1	137	24.53	24.51	24.52		
100	PI/2 BPSK	1	271	24.37	24.48	24.35		
100	PI/2 BPSK	135	0	23.89	24.06	23.91	25.5	0.5
100	PI/2 BPSK	135	69	24.46	24.48	24.37	26.0	0.0
100	PI/2 BPSK	135	138	23.70	23.95	23.74	25.5	0.5
100	PI/2 BPSK	270	0	23.94	24.01	23.88		
100	QPSK	1	1	24.61	24.76	24.70	26.0	0.0
100	QPSK	1	137	24.64	24.55	24.39		
100	QPSK	1	271	24.39	24.55	24.37		
100	QPSK	135	0	23.49	23.46	23.26	25.0	1.0
100	QPSK	135	69	24.41	24.64	24.47	26.0	0.0
100	QPSK	135	138	23.40	23.44	23.38	25.0	1.0
100	QPSK	270	0	23.37	23.55	23.22		
100	16QAM	1	1	23.58	23.66	23.61	25.0	1.0
100	64QAM	1	1	22.17	22.28	22.23	23.5	2.5
100	256QAM	1	1	19.84	19.97	19.83	21.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	24.50	24.65	24.66	26.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	24.49	24.70	24.58	26.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	24.56	24.70	24.65	26.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	24.57	24.69	24.67	26.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	24.53	24.66	24.67	26.0	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	24.47	24.67	24.57	26.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	24.53	24.61	24.55	26.0	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	24.53	24.68	24.64	26.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	24.54	24.72	24.58	26.0	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	24.53	24.71	24.60	26.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	24.50	24.65	24.60	26.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	24.49	24.61	24.65	26.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	24.56	24.63	24.62	26.0	0.0

n2 Ant 2 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PI/2 BPSK	1	1	19.85	19.86	19.72	21.1	0.0
40	PI/2 BPSK	1	108	19.72	19.79	19.73		
40	PI/2 BPSK	1	214	19.62	19.66	19.52		
40	PI/2 BPSK	108	0	19.62	19.72	19.61	21.1	0.0
40	PI/2 BPSK	108	54	19.77	19.65	19.62	21.1	0.0
40	PI/2 BPSK	108	108	19.46	19.61	19.42	21.1	0.0
40	PI/2 BPSK	216	0	19.63	19.74	19.57		
40	QPSK	1	1	19.91	19.99	19.81	21.1	0.0
40	QPSK	1	108	19.77	19.79	19.66		
40	QPSK	1	214	19.59	19.80	19.56		
40	QPSK	108	0	19.68	19.71	19.48	21.1	0.0
40	QPSK	108	54	19.78	19.89	19.60	21.1	0.0
40	QPSK	108	108	19.68	19.65	19.56	21.1	0.0
40	QPSK	216	0	19.52	19.79	19.38		
40	16QAM	1	1	19.51	19.67	19.52	21.1	0.0
40	64QAM	1	1	19.84	19.76	19.69	21.1	0.0
40	256QAM	1	1	18.98	19.05	19.03	19.5	1.6
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	19.78	19.84	19.82	0.0	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	19.70	19.75	19.77	0.0	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	19.74	19.87	19.80	0.0	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	19.80	19.85	19.79	0.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	19.79	19.81	19.82	21.1	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	19.73	19.83	19.77	21.1	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	19.76	19.80	19.76	21.1	0.0

n7 Ant 2 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	21.30	21.34	21.20	22.6	0.0
50	PI/2 BPSK	1	135	21.09	21.12	21.13		
50	PI/2 BPSK	1	268	21.09	21.00	21.01		
50	PI/2 BPSK	135	0	21.09	21.29	21.06	22.6	0.0
50	PI/2 BPSK	135	68	21.22	21.24	21.01	22.6	0.0
50	PI/2 BPSK	135	135	20.95	21.13	20.92	22.6	0.0
50	PI/2 BPSK	270	0	21.02	21.25	21.12		
50	QPSK	1	1	21.42	21.43	21.24	22.6	0.0
50	QPSK	1	135	21.30	21.17	21.13		
50	QPSK	1	268	21.08	21.28	21.09		
50	QPSK	135	0	20.99	21.16	20.95	22.6	0.0
50	QPSK	135	68	21.27	21.36	21.08	22.6	0.0
50	QPSK	135	135	21.10	21.23	21.14	22.6	0.0
50	QPSK	270	0	21.00	21.16	20.90		
50	16QAM	1	1	20.90	20.96	20.82	22.6	0.0
50	64QAM	1	1	20.74	20.80	20.72	21.5	1.1
50	256QAM	1	1	18.80	18.87	18.82	19.5	3.1
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	21.41	21.40	21.25	22.6	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	21.38	21.36	21.26	0.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	21.37	21.40	21.21	22.6	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	21.38	21.39	21.21	22.6	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	21.42	21.36	21.26	22.6	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	21.39	21.35	21.17	22.6	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	21.38	21.38	21.17	22.6	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	21.37	21.36	21.24	22.6	0.0

n25 Ant 2 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	19.88	19.86	19.72	21.1	0.0
40	PI/2 BPSK	1	108	19.77	19.79	19.71		
40	PI/2 BPSK	1	214	19.76	19.82	19.76		
40	PI/2 BPSK	108	0	19.61	19.71	19.61	21.1	0.0
40	PI/2 BPSK	108	54	19.88	19.79	19.71	21.1	0.0
40	PI/2 BPSK	108	108	19.54	19.75	19.52	21.1	0.0
40	PI/2 BPSK	216	0	19.72	19.92	19.68		
40	QPSK	1	1	20.00	20.01	19.93	21.1	0.0
40	QPSK	1	108	19.94	19.85	19.70		
40	QPSK	1	214	19.74	19.87	19.70		
40	QPSK	108	0	19.76	19.81	19.62	21.1	0.0
40	QPSK	108	54	19.78	20.00	19.82	21.1	0.0
40	QPSK	108	108	19.75	19.82	19.70	21.1	0.0
40	QPSK	216	0	19.70	19.88	19.69		
40	16QAM	1	1	19.66	19.70	19.64	21.1	0.0
40	64QAM	1	1	19.89	19.77	19.65	21.1	0.0
40	256QAM	1	1	18.89	19.03	18.93	19.5	1.6
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1	19.80	19.85	19.81	21.1	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	19.94	19.88	19.76	21.1	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	19.91	19.97	19.79	21.1	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	19.89	19.96	19.76	21.1	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	19.89	19.88	19.80	21.1	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	19.86	19.88	19.81	21.1	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	19.92	19.92	19.76	21.1	0.0

n30 Ant 2 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					462000			
Frequency (MHz)					2310			
10	PI/2 BPSK	1	1		21.29		22.5	0.0
10	PI/2 BPSK	1	26		21.07			
10	PI/2 BPSK	1	50		21.03			
10	PI/2 BPSK	25	0		21.17		22.5	0.0
10	PI/2 BPSK	25	14		21.13		22.5	0.0
10	PI/2 BPSK	25	27		21.00		22.5	0.0
10	PI/2 BPSK	50	0		21.24			
10	QPSK	1	1		21.42		22.5	0.0
10	QPSK	1	26		21.30			
10	QPSK	1	50		21.32			
10	QPSK	25	0		21.15		22.5	0.0
10	QPSK	25	14		21.37		22.5	0.0
10	QPSK	25	27		21.04		22.5	0.0
10	QPSK	50	0		21.17			
10	16QAM	1	1		21.09		22.5	0.0
10	64QAM	1	1		20.40		21.5	1.0
10	256QAM	1	1		19.02		19.5	3.0
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	21.37	21.37	21.32	22.5	0.0

n66 Ant 2 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	20.76	20.67	20.68	21.9	0.0
40	PI/2 BPSK	1	108	20.65	20.51	20.59		
40	PI/2 BPSK	1	214	20.60	20.58	20.54		
40	PI/2 BPSK	108	0	20.47	20.58	20.41	21.9	0.0
40	PI/2 BPSK	108	54	20.59	20.61	20.46	21.9	0.0
40	PI/2 BPSK	108	108	20.33	20.53	20.32	21.9	0.0
40	PI/2 BPSK	216	0	20.56	20.59	20.45		
40	QPSK	1	1	20.73	20.79	20.68	21.9	0.0
40	QPSK	1	108	20.58	20.68	20.57		
40	QPSK	1	214	20.52	20.58	20.54		
40	QPSK	108	0	20.61	20.61	20.52	21.9	0.0
40	QPSK	108	54	20.69	20.78	20.58	21.9	0.0
40	QPSK	108	108	20.53	20.61	20.42	21.9	0.0
40	QPSK	216	0	20.46	20.60	20.38		
40	16QAM	1	1	20.46	20.52	20.36	21.9	0.0
40	64QAM	1	1	20.61	20.69	20.46	21.5	0.4
40	256QAM	1	1	19.29	19.25	19.24	19.5	2.4
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	20.73	20.76	20.80	21.9	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	20.67	20.71	20.67	21.9	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	20.72	20.77	20.68	21.9	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	20.69	20.76	20.71	21.9	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	20.74	20.73	20.70	21.9	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	20.75	20.72	20.62	21.9	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	20.73	20.73	20.64	21.9	0.0

n70 Ant 2 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					340500			
Frequency (MHz)					1702.5			
15	PI/2 BPSK	1	1		20.80		22.0	0.0
15	PI/2 BPSK	1	40		20.80			
15	PI/2 BPSK	1	77		20.57			
15	PI/2 BPSK	36	0		20.72		22.0	0.0
15	PI/2 BPSK	36	22		20.71		22.0	0.0
15	PI/2 BPSK	36	43		20.50		22.0	0.0
15	PI/2 BPSK	75	0		20.81			
15	QPSK	1	1		20.84		22.0	0.0
15	QPSK	1	40		20.71			
15	QPSK	1	77		20.77			
15	QPSK	36	0		20.62		22.0	0.0
15	QPSK	36	22		20.75		22.0	0.0
15	QPSK	36	43		20.73		22.0	0.0
15	QPSK	75	0		20.66			
15	16QAM	1	1		20.47		22.0	0.0
15	64QAM	1	1		20.59		21.5	0.5
15	256QAM	1	1		18.96		19.5	2.5
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	20.65	20.76	20.65	22.0	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	20.66	20.77	20.66	22.0	0.0

n41 HPUE Ant 2 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	20.51	20.65	20.46	21.6	0.0
100	PI/2 BPSK	1	137	20.51	20.50	20.57		
100	PI/2 BPSK	1	271	20.36	20.46	20.33		
100	PI/2 BPSK	135	0	20.52	20.61	20.34	21.6	0.0
100	PI/2 BPSK	135	69	20.51	20.50	20.44	21.6	0.0
100	PI/2 BPSK	135	138	20.31	20.39	20.33	21.6	0.0
100	PI/2 BPSK	270	0	20.45	20.57	20.33		
100	QPSK	1	1	20.70	20.73	20.59	21.6	0.0
100	QPSK	1	137	20.62	20.53	20.43		
100	QPSK	1	271	20.51	20.52	20.45		
100	QPSK	135	0	20.55	20.41	20.37	21.6	0.0
100	QPSK	135	69	20.49	20.59	20.43	21.6	0.0
100	QPSK	135	138	20.56	20.58	20.47	21.6	0.0
100	QPSK	270	0	20.64	20.65	20.55		
100	16QAM	1	1	20.59	20.61	20.51	21.6	0.0
100	64QAM	1	1	20.34	20.44	20.43	21.6	0.0
100	256QAM	1	1	19.76	19.89	19.76	21.6	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	20.53	20.65	20.58	21.6	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	20.67	20.66	20.51	21.6	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	20.70	20.69	20.53	21.6	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	20.62	20.69	20.60	21.6	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	20.63	20.67	20.58	21.6	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	20.65	20.71	20.61	21.6	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	20.64	20.65	20.58	21.6	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	20.69	20.69	20.61	21.6	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	20.64	20.69	20.55	21.6	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	20.62	20.70	20.61	21.6	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	20.66	20.72	20.59	21.6	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	20.63	20.72	20.59	21.6	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	20.65	20.67	20.50	21.6	0.0

n2 Ant 3 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PI/2 BPSK	1	1	22.70	22.72	22.65	23.6	0.0
40	PI/2 BPSK	1	108	22.64	22.61	22.54		
40	PI/2 BPSK	1	214	22.44	22.54	22.45		
40	PI/2 BPSK	108	0	22.56	22.63	22.50	23.5	0.1
40	PI/2 BPSK	108	54	22.55	22.54	22.56	23.6	0.0
40	PI/2 BPSK	108	108	22.31	22.55	22.41	23.5	0.1
40	PI/2 BPSK	216	0	22.55	22.57	22.41		
40	QPSK	1	1	22.70	22.74	22.71	23.6	0.0
40	QPSK	1	108	22.71	22.72	22.62		
40	QPSK	1	214	22.55	22.68	22.48		
40	QPSK	108	0	22.05	22.08	21.91	23.0	0.6
40	QPSK	108	54	22.57	22.70	22.61	23.6	0.0
40	QPSK	108	108	22.06	22.13	21.98	23.0	0.6
40	QPSK	216	0	22.09	22.17	22.03		
40	16QAM	1	1	21.99	22.02	21.92	23.0	0.6
40	64QAM	1	1	20.66	20.64	20.46	21.5	2.1
40	256QAM	1	1	19.19	19.31	19.28	19.5	4.1
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	22.71	22.76	22.72	0.0	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	22.69	22.76	22.68	0.0	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	22.61	22.70	22.66	0.0	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	22.70	22.68	22.72	0.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	22.65	22.67	22.70	23.6	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	22.69	22.66	22.67	23.6	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	22.63	22.68	22.69	23.6	0.0

n7 Ant 3 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	18.13	18.19	18.11	19.3	0.0
50	PI/2 BPSK	1	135	18.00	18.12	18.00		
50	PI/2 BPSK	1	268	17.90	17.90	17.93		
50	PI/2 BPSK	135	0	17.98	18.11	17.90	19.3	0.0
50	PI/2 BPSK	135	68	17.98	18.04	17.95	19.3	0.0
50	PI/2 BPSK	135	135	17.78	17.98	17.93	19.3	0.0
50	PI/2 BPSK	270	0	18.03	17.96	17.79		
50	QPSK	1	1	18.18	18.29	18.21	19.3	0.0
50	QPSK	1	135	18.19	18.13	17.98		
50	QPSK	1	268	17.92	18.11	17.90		
50	QPSK	135	0	18.00	18.08	17.80	19.3	0.0
50	QPSK	135	68	17.99	18.19	18.04	19.3	0.0
50	QPSK	135	135	18.03	18.09	17.95	19.3	0.0
50	QPSK	270	0	17.97	18.12	18.05		
50	16QAM	1	1	17.73	17.91	17.83	19.3	0.0
50	64QAM	1	1	17.73	17.87	17.78	19.3	0.0
50	256QAM	1	1	18.24	18.26	18.14	19.3	0.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	18.18	18.21	18.16	19.3	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	18.15	18.30	18.14	0.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	18.21	18.22	18.17	19.3	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	18.09	18.28	18.18	19.3	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	18.16	18.26	18.19	19.3	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	18.15	18.21	18.17	19.3	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	18.14	18.24	18.19	19.3	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	18.15	18.26	18.16	19.3	0.0

n25 Ant 3 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	22.68	22.62	22.64	23.6	0.0
40	PI/2 BPSK	1	108	22.50	22.62	22.48		
40	PI/2 BPSK	1	214	22.48	22.54	22.38		
40	PI/2 BPSK	108	0	22.48	22.52	22.38	23.5	0.1
40	PI/2 BPSK	108	54	22.54	22.50	22.57	23.6	0.0
40	PI/2 BPSK	108	108	22.32	22.50	22.29	23.5	0.1
40	PI/2 BPSK	216	0	22.41	22.62	22.42		
40	QPSK	1	1	22.74	22.76	22.64	23.6	0.0
40	QPSK	1	108	22.60	22.60	22.51		
40	QPSK	1	214	22.56	22.66	22.52		
40	QPSK	108	0	22.01	22.09	21.84	23.0	0.6
40	QPSK	108	54	22.52	22.63	22.42	23.6	0.0
40	QPSK	108	108	21.98	21.99	21.97	23.0	0.6
40	QPSK	216	0	21.89	22.04	21.85		
40	16QAM	1	1	22.00	22.02	21.87	23.0	0.6
40	64QAM	1	1	20.64	20.62	20.47	21.5	2.1
40	256QAM	1	1	19.21	19.29	19.28	19.5	4.1
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1	22.64	22.66	22.61	23.6	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	22.68	22.72	22.59	23.6	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	22.73	22.69	22.55	23.6	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	22.66	22.69	22.67	23.6	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	22.74	22.73	22.57	23.6	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	22.69	22.69	22.61	23.6	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	22.70	22.67	22.57	23.6	0.0

n30 Ant 3 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					462000			
Frequency (MHz)					2310			
10	PI/2 BPSK	1	1		20.96		21.9	0.0
10	PI/2 BPSK	1	26		20.83			
10	PI/2 BPSK	1	50		20.82			
10	PI/2 BPSK	25	0		20.94		21.9	0.0
10	PI/2 BPSK	25	14		20.79		21.9	0.0
10	PI/2 BPSK	25	27		20.68		21.9	0.0
10	PI/2 BPSK	50	0		20.73			
10	QPSK	1	1		21.07		21.9	0.0
10	QPSK	1	26		20.92			
10	QPSK	1	50		20.85			
10	QPSK	25	0		20.82		21.9	0.0
10	QPSK	25	14		21.02		21.9	0.0
10	QPSK	25	27		20.85		21.9	0.0
10	QPSK	50	0		20.85			
10	16QAM	1	1		20.77		21.9	0.0
10	64QAM	1	1		20.78		21.5	0.4
10	256QAM	1	1		19.48		19.5	2.4
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	20.95	20.99	20.98	21.9	0.0

n66 Ant 3 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	21.47	21.58	21.43	22.9	0.0
40	PI/2 BPSK	1	108	21.41	21.41	21.53		
40	PI/2 BPSK	1	214	21.33	21.46	21.40		
40	PI/2 BPSK	108	0	21.40	21.41	21.38	22.9	0.0
40	PI/2 BPSK	108	54	21.38	21.38	21.32	22.9	0.0
40	PI/2 BPSK	108	108	21.15	21.36	21.19	22.9	0.0
40	PI/2 BPSK	216	0	21.41	21.55	21.24		
40	QPSK	1	1	21.67	21.71	21.55	22.9	0.0
40	QPSK	1	108	21.57	21.50	21.36		
40	QPSK	1	214	21.28	21.47	21.38		
40	QPSK	108	0	21.42	21.52	21.23	22.9	0.0
40	QPSK	108	54	21.39	21.63	21.31	22.9	0.0
40	QPSK	108	108	21.44	21.40	21.46	22.9	0.0
40	QPSK	216	0	21.43	21.50	21.19		
40	16QAM	1	1	21.34	21.36	21.22	22.9	0.0
40	64QAM	1	1	20.51	20.51	20.39	21.5	1.4
40	256QAM	1	1	19.08	19.13	19.15	19.5	3.4
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	21.63	21.63	21.57	22.9	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	21.65	21.68	21.55	22.9	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	21.68	21.68	21.52	22.9	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	21.59	21.63	21.52	22.9	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	21.65	21.64	21.50	22.9	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	21.63	21.64	21.50	22.9	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	21.65	21.66	21.57	22.9	0.0

n70 Ant 3 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					340500			
Frequency (MHz)					1702.5			
15	PI/2 BPSK	1	1		21.93		23.0	0.0
15	PI/2 BPSK	1	40		21.78			
15	PI/2 BPSK	1	77		21.77			
15	PI/2 BPSK	36	0		21.89		23.0	0.0
15	PI/2 BPSK	36	22		21.75		23.0	0.0
15	PI/2 BPSK	36	43		21.73		23.0	0.0
15	PI/2 BPSK	75	0		21.72			
15	QPSK	1	1		21.98		23.0	0.0
15	QPSK	1	40		21.89			
15	QPSK	1	77		21.86			
15	QPSK	36	0		21.75		23.0	0.0
15	QPSK	36	22		21.93		23.0	0.0
15	QPSK	36	43		21.84		23.0	0.0
15	QPSK	75	0		21.93			
15	16QAM	1	1		21.71		23.0	0.0
15	64QAM	1	1		20.68		21.5	1.5
	256QAM	1	1		19.33		19.5	3.5
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	21.87	21.95	21.92	23.0	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	21.95	21.96	21.92	23.0	0.0

n41 HPUE Ant 3 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	19.01	19.13	18.96	20.1	0.0
100	PI/2 BPSK	1	137	19.01	19.03	18.99		
100	PI/2 BPSK	1	271	18.90	18.98	18.86		
100	PI/2 BPSK	135	0	18.88	19.04	18.84	20.1	0.0
100	PI/2 BPSK	135	69	18.97	18.91	18.92	20.1	0.0
100	PI/2 BPSK	135	138	18.68	18.90	18.76	20.1	0.0
100	PI/2 BPSK	270	0	18.83	19.01	18.84		
100	QPSK	1	1	19.16	19.21	19.10	20.1	0.0
100	QPSK	1	137	19.07	19.04	18.96		
100	QPSK	1	271	18.96	19.05	18.89		
100	QPSK	135	0	18.97	19.04	18.79	20.1	0.0
100	QPSK	135	69	18.95	19.09	18.82	20.1	0.0
100	QPSK	135	138	18.92	18.96	18.82	20.1	0.0
100	QPSK	270	0	18.89	19.08	18.80		
100	16QAM	1	1	19.05	19.17	19.08	20.1	0.0
100	64QAM	1	1	19.10	19.16	19.14	20.1	0.0
100	256QAM	1	1	18.84	18.91	18.86	20.1	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	19.11	19.18	19.04	20.1	0.0
Channel				507204	518598	529992	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	19.17	19.15	19.02	20.1	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	19.14	19.16	19.07	20.1	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	19.17	19.14	19.07	20.1	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	19.08	19.19	19.11	20.1	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	19.08	19.20	19.02	20.1	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	19.12	19.13	19.12	20.1	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	19.15	19.15	19.07	20.1	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	19.19	19.13	19.10	20.1	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	19.13	19.20	19.12	20.1	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	19.14	19.17	19.10	20.1	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	19.10	19.14	19.01	20.1	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	19.12	19.14	19.13	20.1	0.0

n48 Part 96 Ant 3 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	19.24	19.24	19.15	20.3	0.0
40	PI/2 BPSK	1	53	19.05	19.03	19.04		
40	PI/2 BPSK	1	104	19.01	18.98	18.94		
40	PI/2 BPSK	50	0	18.99	19.09	19.12	20.3	0.0
40	PI/2 BPSK	50	28	19.09	19.00	19.01	20.3	0.0
40	PI/2 BPSK	50	56	18.67	19.06	18.81	20.3	0.0
40	PI/2 BPSK	100	0	18.95	19.07	18.85		
40	QPSK	1	1	19.27	19.28	19.21	20.3	0.0
40	QPSK	1	53	19.19	19.14	18.99		
40	QPSK	1	104	19.12	19.22	18.88		
40	QPSK	50	0	18.99	19.13	18.95	20.3	0.0
40	QPSK	50	28	19.00	19.25	18.94	20.3	0.0
40	QPSK	50	56	18.95	19.08	18.97	20.3	0.0
40	QPSK	100	0	18.88	19.18	18.89		
40	16QAM	1	1	18.92	19.07	18.89	20.3	0.0
40	64QAM	1	1	19.12	19.17	19.00	20.3	0.0
40	256QAM	1	1	19.25	19.22	19.21	19.5	0.8
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	19.15	19.20	19.19	20.3	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	19.19	19.24	19.21	20.3	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	19.24	19.24	19.19	20.3	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	19.20	19.23	19.23	20.3	0.0

Part27O n77 HPUE Ant 3 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	21.11	21.29	21.13	22.3	0.0
100	PI/2 BPSK	1	137	21.11	21.06	21.09		
100	PI/2 BPSK	1	271	20.90	20.97	20.94		
100	PI/2 BPSK	135	0	20.99	21.13	20.94	22.3	0.0
100	PI/2 BPSK	135	69	20.98	21.15	21.02	22.3	0.0
100	PI/2 BPSK	135	138	20.80	20.98	20.89	22.3	0.0
100	PI/2 BPSK	270	0	21.03	21.10	20.89		
100	QPSK	1	1	21.23	21.34	21.15	22.3	0.0
100	QPSK	1	137	21.20	21.11	20.98		
100	QPSK	1	271	20.98	21.24	21.00		
100	QPSK	135	0	20.98	21.15	20.87	22.3	0.0
100	QPSK	135	69	21.12	21.33	21.08	22.3	0.0
100	QPSK	135	138	21.02	21.09	20.92	22.3	0.0
100	QPSK	270	0	20.94	21.10	20.75		
100	16QAM	1	1	20.97	20.97	20.82	22.3	0.0
100	64QAM	1	1	20.99	21.09	20.93	22.3	0.0
100	256QAM	1	1	21.08	21.17	21.17	22.3	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	21.22	21.27	21.13	22.3	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	21.20	21.29	21.15	22.3	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	21.17	21.29	21.13	22.3	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	21.16	21.32	21.17	22.3	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	21.20	21.26	21.17	22.3	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	21.16	21.28	21.12	22.3	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	21.25	21.33	21.07	22.3	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	21.18	21.26	21.06	22.3	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	21.19	21.30	21.07	22.3	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	21.17	21.30	21.13	22.3	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	21.22	21.29	21.10	22.3	0.0

Part27Q n77 HPUE Ant 3 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.13		22.3	0.0
100	PI/2 BPSK	1	137		21.17			
100	PI/2 BPSK	1	271		21.03			
100	PI/2 BPSK	135	0		21.07		22.3	0.0
100	PI/2 BPSK	135	69		21.13		22.3	0.0
100	PI/2 BPSK	135	138		21.04		22.3	0.0
100	PI/2 BPSK	270	0		21.27			
100	QPSK	1	1		21.32		22.3	0.0
100	QPSK	1	137		21.08			
100	QPSK	1	271		21.13			
100	QPSK	135	0		21.06		22.3	0.0
100	QPSK	135	69		21.19		22.3	0.0
100	QPSK	135	138		21.03		22.3	0.0
100	QPSK	270	0		21.13			
100	16QAM	1	1		20.74		22.3	0.0
100	64QAM	1	1		20.87		22.3	0.0
100	256QAM	1	1		21.14		22.3	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.05	21.16	21.10	22.3	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.10	21.19	21.12	22.3	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.10	21.20	21.13	22.3	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.09	21.25	21.09	22.3	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.08	21.21	21.10	22.3	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.13	21.22	21.14	22.3	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.10	21.16	21.14	22.3	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	21.06	21.21	21.14	22.3	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.15	21.14	21.17	22.3	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	21.15	21.18	21.12	22.3	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	21.06	21.18	21.08	22.3	0.0

Part27O n78 HPUE Ant 3 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		21.11		22.3	0.0
100	PI/2 BPSK	1	137		20.90			
100	PI/2 BPSK	1	271		20.82			
100	PI/2 BPSK	135	0		20.93		22.3	0.0
100	PI/2 BPSK	135	69		21.01		22.3	0.0
100	PI/2 BPSK	135	138		20.82		22.3	0.0
100	PI/2 BPSK	270	0		20.96			
100	QPSK	1	1		21.19		22.3	0.0
100	QPSK	1	137		20.94			
100	QPSK	1	271		21.00			
100	QPSK	135	0		21.00		22.3	0.0
100	QPSK	135	69		21.09		22.3	0.0
100	QPSK	135	138		20.77		22.3	0.0
100	QPSK	270	0		21.00			
100	16QAM	1	1		20.80		22.3	0.0
100	64QAM	1	1		20.90		22.3	0.0
100	256QAM	1	1		20.75		22.3	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	20.88	20.94	20.90	22.3	0.0
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	20.90	20.94	20.90	22.3	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	20.93	20.97	20.87	22.3	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	20.93	20.98	20.96	22.3	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	20.89	21.01	20.95	22.3	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	20.87	20.99	20.90	22.3	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	20.87	21.01	20.88	22.3	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	20.88	20.92	20.98	22.3	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	20.89	21.00	20.90	22.3	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	20.93	21.03	20.89	22.3	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	20.89	21.03	20.94	22.3	0.0

Part27Q n78 HPUE Ant 3 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.02		22.3	0.0
100	PI/2 BPSK	1	137		21.07			
100	PI/2 BPSK	1	271		20.80			
100	PI/2 BPSK	135	0		20.93		22.3	0.0
100	PI/2 BPSK	135	69		20.96		22.3	0.0
100	PI/2 BPSK	135	138		20.90		22.3	0.0
100	PI/2 BPSK	270	0		21.10			
100	QPSK	1	1		21.11		22.3	0.0
100	QPSK	1	137		20.93			
100	QPSK	1	271		21.04			
100	QPSK	135	0		20.97		22.3	0.0
100	QPSK	135	69		21.05		22.3	0.0
100	QPSK	135	138		20.89		22.3	0.0
100	QPSK	270	0		20.99			
100	16QAM	1	1		20.64		22.3	0.0
100	64QAM	1	1		20.70		22.3	0.0
100	256QAM	1	1		20.77		22.3	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.04	21.09	20.94	22.3	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.01	21.07	21.02	22.3	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.04	21.08	20.95	22.3	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.04	21.09	21.00	22.3	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.00	21.09	20.95	22.3	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.04	21.10	20.99	22.3	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.06	21.10	20.98	22.3	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	21.08	21.09	20.91	22.3	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.02	21.06	20.98	22.3	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	21.09	21.05	20.94	22.3	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	21.02	21.10	20.91	22.3	0.0

n48 Part 96 Ant 4 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	18.27	18.35	18.25	19.1	0.0
40	PI/2 BPSK	1	53	18.26	18.21	18.23		
40	PI/2 BPSK	1	104	18.08	18.08	18.01		
40	PI/2 BPSK	50	0	18.20	18.17	18.03	19.1	0.0
40	PI/2 BPSK	50	28	18.20	18.22	18.18	19.1	0.0
40	PI/2 BPSK	50	56	18.12	18.07	18.08	19.1	0.0
40	PI/2 BPSK	100	0	18.09	18.29	18.03		
40	QPSK	1	1	18.29	18.37	18.29	19.1	0.0
40	QPSK	1	53	18.35	18.29	18.18		
40	QPSK	1	104	18.13	18.18	18.06		
40	QPSK	50	0	18.16	18.15	18.00	19.1	0.0
40	QPSK	50	28	18.23	18.36	18.08	19.1	0.0
40	QPSK	50	56	18.11	18.23	18.15	19.1	0.0
40	QPSK	100	0	18.09	18.25	17.94		
40	16QAM	1	1	18.04	18.03	17.93	19.1	0.0
40	64QAM	1	1	18.32	18.36	18.11	19.1	0.0
40	256QAM	1	1	18.33	18.31	18.32	19.1	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	18.21	18.34	18.31	19.1	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	18.30	18.30	18.32	19.1	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	18.27	18.33	18.22	19.1	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	18.28	18.31	18.29	19.1	0.0

Part27O n77 HPUE Ant 4 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	18.24	18.29	18.18	19.1	0.0
100	PI/2 BPSK	1	137	18.12	18.14	18.14		
100	PI/2 BPSK	1	271	18.03	18.10	18.08		
100	PI/2 BPSK	135	0	18.04	18.23	18.03	19.1	0.0
100	PI/2 BPSK	135	69	18.19	18.17	18.10	19.1	0.0
100	PI/2 BPSK	135	138	18.13	18.09	18.04	19.1	0.0
100	PI/2 BPSK	270	0	18.00	18.28	17.97		
100	QPSK	1	1	18.29	18.38	18.31	19.1	0.0
100	QPSK	1	137	18.28	18.21	18.16		
100	QPSK	1	271	18.11	18.25	18.12		
100	QPSK	135	0	18.07	18.08	18.05	19.1	0.0
100	QPSK	135	69	18.05	18.25	18.07	19.1	0.0
100	QPSK	135	138	18.16	18.21	18.07	19.1	0.0
100	QPSK	270	0	17.98	18.16	18.05		
100	16QAM	1	1	18.03	18.06	17.97	19.1	0.0
100	64QAM	1	1	18.20	18.24	18.06	19.1	0.0
100	256QAM	1	1	18.31	18.32	18.30	19.1	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.27	18.36	18.22	19.1	0.0
Channel				648334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	18.28	18.33	18.32	19.1	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	18.23	18.33	18.24	19.1	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	18.25	18.35	18.24	19.1	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	18.26	18.33	18.31	19.1	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	18.20	18.32	18.24	19.1	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	18.24	18.30	18.24	19.1	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	18.24	18.34	18.23	19.1	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	18.31	18.30	18.30	19.1	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	18.23	18.31	18.23	19.1	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	18.25	18.34	18.30	19.1	0.0

Part27Q n77 HPUE Ant 4 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		18.51		19.1	0.0
100	PI/2 BPSK	1	137		18.51			
100	PI/2 BPSK	1	271		18.19			
100	PI/2 BPSK	135	0		18.31		19.1	0.0
100	PI/2 BPSK	135	69		18.38		19.1	0.0
100	PI/2 BPSK	135	138		18.34		19.1	0.0
100	PI/2 BPSK	270	0		18.44			
100	QPSK	1	1		18.63		19.1	0.0
100	QPSK	1	137		18.44			
100	QPSK	1	271		18.43			
100	QPSK	135	0		18.33		19.1	0.0
100	QPSK	135	69		18.47		19.1	0.0
100	QPSK	135	138		18.33		19.1	0.0
100	QPSK	270	0		18.48			
100	16QAM	1	1		18.18		19.1	0.0
100	64QAM	1	1		18.19		19.1	0.0
100	256QAM	1	1		18.27		19.1	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	18.53	18.61	18.61	19.1	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.56	18.60	18.56	19.1	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	18.57	18.59	18.58	19.1	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.56	18.52	18.60	19.1	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	18.58	18.58	18.60	19.1	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.54	18.54	18.57	19.1	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.53	18.56	18.56	19.1	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	18.61	18.56	18.56	19.1	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.57	18.57	18.58	19.1	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	18.58	18.55	18.58	19.1	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	18.55	18.62	18.62	19.1	0.0

Part27O n78 HPUE Ant 4 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		18.31		19.1	0.0
100	PI/2 BPSK	1	137		18.24			
100	PI/2 BPSK	1	271		18.09			
100	PI/2 BPSK	135	0		18.23		19.1	0.0
100	PI/2 BPSK	135	69		18.17		19.1	0.0
100	PI/2 BPSK	135	138		18.17		19.1	0.0
100	PI/2 BPSK	270	0		18.31			
100	QPSK	1	1		18.35		19.1	0.0
100	QPSK	1	137		18.33			
100	QPSK	1	271		18.33			
100	QPSK	135	0		18.28		19.1	0.0
100	QPSK	135	69		18.32		19.1	0.0
100	QPSK	135	138		18.25		19.1	0.0
100	QPSK	270	0		18.29			
100	16QAM	1	1		18.11		19.1	0.0
100	64QAM	1	1		18.16		19.1	0.0
100	256QAM	1	1		18.17		19.1	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	18.11	18.17	18.15	19.1	0.0
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	18.17	18.26	18.13	19.1	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	18.12	18.22	18.21	19.1	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	18.19	18.24	18.13	19.1	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	18.14	18.25	18.20	19.1	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	18.17	18.17	18.12	19.1	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	18.17	18.24	18.18	19.1	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	18.19	18.19	18.16	19.1	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	18.11	18.24	18.11	19.1	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	18.17	18.16	18.16	19.1	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	18.14	18.23	18.20	19.1	0.0

Part27Q n78 HPUE Ant 4 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		18.52		19.1	0.0
100	PI/2 BPSK	1	137		18.59			
100	PI/2 BPSK	1	271		18.29			
100	PI/2 BPSK	135	0		18.48		19.1	0.0
100	PI/2 BPSK	135	69		18.42		19.1	0.0
100	PI/2 BPSK	135	138		18.28		19.1	0.0
100	PI/2 BPSK	270	0		18.46			
100	QPSK	1	1		18.60		19.1	0.0
100	QPSK	1	137		18.43			
100	QPSK	1	271		18.52			
100	QPSK	135	0		18.37		19.1	0.0
100	QPSK	135	69		18.56		19.1	0.0
100	QPSK	135	138		18.50		19.1	0.0
100	QPSK	270	0		18.48			
100	16QAM	1	1		18.02		19.1	0.0
100	64QAM	1	1		18.23		19.1	0.0
100	256QAM	1	1		18.15		19.1	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	18.50	18.53	18.51	19.1	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.57	18.48	18.52	19.1	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	18.50	18.53	18.46	19.1	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.56	18.49	18.45	19.1	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	18.58	18.51	18.52	19.1	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.56	18.45	18.47	19.1	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.53	18.49	18.44	19.1	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	18.54	18.50	18.53	19.1	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.54	18.48	18.44	19.1	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	18.41	18.45	18.53	19.1	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	18.57	18.48	18.52	19.1	0.0

n48 Part 96 Ant 6 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	19.49	19.55	19.48	20.9	0.0
40	PI/2 BPSK	1	53	19.41	19.38	19.44		
40	PI/2 BPSK	1	104	19.38	19.36	19.27		
40	PI/2 BPSK	50	0	19.31	19.40	19.32	20.9	0.0
40	PI/2 BPSK	50	28	19.40	19.36	19.30	20.9	0.0
40	PI/2 BPSK	50	56	19.10	19.24	19.18	20.9	0.0
40	PI/2 BPSK	100	0	19.33	19.47	19.29		
40	QPSK	1	1	19.61	19.69	19.49	20.9	0.0
40	QPSK	1	53	19.52	19.49	19.27		
40	QPSK	1	104	19.29	19.48	19.38		
40	QPSK	50	0	19.32	19.44	19.22	20.9	0.0
40	QPSK	50	28	19.36	19.62	19.36	20.9	0.0
40	QPSK	50	56	19.29	19.38	19.33	20.9	0.0
40	QPSK	100	0	19.32	19.44	19.20		
40	16QAM	1	1	19.38	19.41	19.21	20.9	0.0
40	64QAM	1	1	18.73	18.69	18.64	19.5	1.4
40	256QAM	1	1	17.37	17.36	17.42	17.5	3.4
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	19.62	19.61	19.42	20.9	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	19.55	19.60	19.45	20.9	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	19.62	19.68	19.42	20.9	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	19.58	19.66	19.40	20.9	0.0

Part27O n77 HPUE Ant 6 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	18.30	18.37	18.16	19.9	0.0
100	PI/2 BPSK	1	137	18.17	18.21	18.10		
100	PI/2 BPSK	1	271	18.16	18.17	18.01		
100	PI/2 BPSK	135	0	18.04	18.23	18.08	19.9	0.0
100	PI/2 BPSK	135	69	18.20	18.24	18.09	19.9	0.0
100	PI/2 BPSK	135	138	18.00	18.16	17.98	19.9	0.0
100	PI/2 BPSK	270	0	18.09	18.22	18.00		
100	QPSK	1	1	18.42	18.48	18.32	19.9	0.0
100	QPSK	1	137	18.28	18.20	18.14		
100	QPSK	1	271	18.13	18.28	18.13		
100	QPSK	135	0	18.11	18.10	17.96	19.9	0.0
100	QPSK	135	69	18.11	18.29	18.13	19.9	0.0
100	QPSK	135	138	18.19	18.14	18.10	19.9	0.0
100	QPSK	270	0	18.08	18.27	18.00		
100	16QAM	1	1	18.04	18.21	18.15	19.9	0.0
100	64QAM	1	1	18.36	18.29	18.16	19.9	0.0
100	256QAM	1	1	18.27	18.37	18.18	19.9	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.42	18.44	18.29	19.9	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	18.43	18.47	18.32	19.9	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	18.41	18.41	18.34	19.9	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	18.33	18.40	18.29	19.9	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	18.37	18.44	18.34	19.9	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	18.39	18.43	18.25	19.9	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	18.34	18.47	18.24	19.9	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	18.40	18.42	18.23	19.9	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	18.42	18.42	18.27	19.9	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	18.45	18.40	18.34	19.9	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	18.40	18.45	18.29	19.9	0.0

Part27Q n77 HPUE Ant 6 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		18.72		19.9	0.0
100	PI/2 BPSK	1	137		18.66			
100	PI/2 BPSK	1	271		18.54			
100	PI/2 BPSK	135	0		18.64		19.9	0.0
100	PI/2 BPSK	135	69		18.54		19.9	0.0
100	PI/2 BPSK	135	138		18.58		19.9	0.0
100	PI/2 BPSK	270	0		18.67			
100	QPSK	1	1		18.82		19.9	0.0
100	QPSK	1	137		18.69			
100	QPSK	1	271		18.77			
100	QPSK	135	0		18.68		19.9	0.0
100	QPSK	135	69		18.78		19.9	0.0
100	QPSK	135	138		18.70		19.9	0.0
100	QPSK	270	0		18.82			
100	16QAM	1	1		18.64		19.9	0.0
100	64QAM	1	1		18.59		19.9	0.0
100	256QAM	1	1		18.23		19.9	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	18.59	18.66	18.54	19.9	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.62	18.61	18.53	19.9	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	18.60	18.65	18.57	19.9	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.65	18.73	18.61	19.9	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	18.61	18.66	18.61	19.9	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.61	18.72	18.59	19.9	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.55	18.62	18.51	19.9	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	18.54	18.66	18.62	19.9	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.54	18.64	18.51	19.9	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	18.58	18.65	18.51	19.9	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	18.62	18.68	18.60	19.9	0.0

Part27O n78 HPUE Ant 6 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		18.33		19.9	0.0
100	PI/2 BPSK	1	137		18.28			
100	PI/2 BPSK	1	271		18.08			
100	PI/2 BPSK	135	0		18.12		19.9	0.0
100	PI/2 BPSK	135	69		18.00		19.9	0.0
100	PI/2 BPSK	135	138		18.03		19.9	0.0
100	PI/2 BPSK	270	0		18.20			
100	QPSK	1	1		18.38		19.9	0.0
100	QPSK	1	137		18.19			
100	QPSK	1	271		18.25			
100	QPSK	135	0		18.19		19.9	0.0
100	QPSK	135	69		18.27		19.9	0.0
100	QPSK	135	138		18.23		19.9	0.0
100	QPSK	270	0		18.31			
100	16QAM	1	1		18.34		19.9	0.0
100	64QAM	1	1		18.26		19.9	0.0
100	256QAM	1	1		18.32		19.9	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	18.19	18.20	18.12	19.9	0.0
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	18.23	18.25	18.11	19.9	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	18.20	18.29	18.11	19.9	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	18.25	18.21	18.08	19.9	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	18.17	18.28	18.08	19.9	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	18.23	18.18	18.11	19.9	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	18.26	18.24	18.13	19.9	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	18.24	18.24	18.16	19.9	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	18.20	18.23	18.09	19.9	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	18.17	18.23	18.17	19.9	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	18.24	18.21	18.16	19.9	0.0

Part27Q n78 HPUE Ant 6 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		18.57		19.9	0.0
100	PI/2 BPSK	1	137		18.62			
100	PI/2 BPSK	1	271		18.24			
100	PI/2 BPSK	135	0		18.44		19.9	0.0
100	PI/2 BPSK	135	69		18.34		19.9	0.0
100	PI/2 BPSK	135	138		18.43		19.9	0.0
100	PI/2 BPSK	270	0		18.44			
100	QPSK	1	1		18.72		19.9	0.0
100	QPSK	1	137		18.51			
100	QPSK	1	271		18.53			
100	QPSK	135	0		18.46		19.9	0.0
100	QPSK	135	69		18.52		19.9	0.0
100	QPSK	135	138		18.49		19.9	0.0
100	QPSK	270	0		18.59			
100	16QAM	1	1		18.57		19.9	0.0
100	64QAM	1	1		18.66		19.9	0.0
100	256QAM	1	1		18.18		19.9	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	18.52	18.57	18.49	19.9	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.45	18.64	18.41	19.9	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	18.45	18.60	18.41	19.9	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.54	18.60	18.50	19.9	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	18.44	18.57	18.40	19.9	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.51	18.57	18.45	19.9	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.53	18.58	18.42	19.9	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	18.48	18.64	18.43	19.9	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.48	18.61	18.45	19.9	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	18.45	18.58	18.49	19.9	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	18.43	18.58	18.48	19.9	0.0

n48 Part 96 Ant 8 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	18.77	18.83	18.73	19.7	0.0
40	PI/2 BPSK	1	53	18.72	18.73	18.80		
40	PI/2 BPSK	1	104	18.55	18.58	18.65		
40	PI/2 BPSK	50	0	18.55	18.79	18.49	19.7	0.0
40	PI/2 BPSK	50	28	18.72	18.73	18.66	19.7	0.0
40	PI/2 BPSK	50	56	18.36	18.66	18.36	19.7	0.0
40	PI/2 BPSK	100	0	18.62	18.70	18.52		
40	QPSK	1	1	18.81	18.85	18.81	19.7	0.0
40	QPSK	1	53	18.82	18.75	18.52		
40	QPSK	1	104	18.64	18.77	18.66		
40	QPSK	50	0	18.57	18.74	18.53	19.7	0.0
40	QPSK	50	28	18.69	18.75	18.65	19.7	0.0
40	QPSK	50	56	18.70	18.68	18.66	19.7	0.0
40	QPSK	100	0	18.50	18.74	18.51		
40	16QAM	1	1	18.59	18.69	18.62	19.7	0.0
40	64QAM	1	1	18.64	18.74	18.68	19.5	0.2
40	256QAM	1	1	17.13	17.20	17.08	17.5	2.2
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585.02	3624.99	3684.99		
30	QPSK	1	1	18.63	18.84	18.72	19.7	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	18.73	18.83	18.76	19.7	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	18.66	18.83	18.76	19.7	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	18.65	18.80	18.71	19.7	0.0

Part27O n77 HPUE Ant 8 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	17.77	17.85	17.70	19.1	0.0
100	PI/2 BPSK	1	137	17.70	17.69	17.68		
100	PI/2 BPSK	1	271	17.62	17.69	17.54		
100	PI/2 BPSK	135	0	17.60	17.72	17.51	19.1	0.0
100	PI/2 BPSK	135	69	17.64	17.65	17.61	19.1	0.0
100	PI/2 BPSK	135	138	17.36	17.62	17.43	19.1	0.0
100	PI/2 BPSK	270	0	17.69	17.72	17.47		
100	QPSK	1	1	17.85	17.99	17.76	19.1	0.0
100	QPSK	1	137	17.72	17.71	17.62		
100	QPSK	1	271	17.61	17.78	17.56		
100	QPSK	135	0	17.62	17.70	17.55	19.1	0.0
100	QPSK	135	69	17.81	17.86	17.78	19.1	0.0
100	QPSK	135	138	17.72	17.72	17.56	19.1	0.0
100	QPSK	270	0	17.58	17.73	17.44		
100	16QAM	1	1	17.58	17.60	17.50	19.1	0.0
100	64QAM	1	1	17.81	17.70	17.62	19.1	0.0
100	256QAM	1	1	17.78	17.83	17.79	19.1	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	17.75	17.76	17.69	19.1	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	17.74	17.79	17.69	19.1	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	17.70	17.82	17.69	19.1	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	17.81	17.76	17.67	19.1	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	17.77	17.80	17.65	19.1	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	17.80	17.82	17.69	19.1	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	17.72	17.74	17.67	19.1	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	17.80	17.73	17.64	19.1	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	17.79	17.80	17.69	19.1	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	17.73	17.82	17.69	19.1	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	17.79	17.76	17.63	19.1	0.0

Part27Q n77 HPUE Ant 8 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		18.11		19.1	0.0
100	PI/2 BPSK	1	137		18.03			
100	PI/2 BPSK	1	271		17.91			
100	PI/2 BPSK	135	0		18.00		19.1	0.0
100	PI/2 BPSK	135	69		17.94		19.1	0.0
100	PI/2 BPSK	135	138		17.86		19.1	0.0
100	PI/2 BPSK	270	0		18.08			
100	QPSK	1	1		18.27		19.1	0.0
100	QPSK	1	137		17.97			
100	QPSK	1	271		18.15			
100	QPSK	135	0		17.90		19.1	0.0
100	QPSK	135	69		18.19		19.1	0.0
100	QPSK	135	138		18.03		19.1	0.0
100	QPSK	270	0		18.01			
100	16QAM	1	1		18.26		19.1	0.0
100	64QAM	1	1		18.26		19.1	0.0
100	256QAM	1	1		17.99		19.1	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	18.11	18.22	18.09	19.1	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.15	18.15	18.03	19.1	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	18.16	18.18	18.11	19.1	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.11	18.16	18.01	19.1	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	18.11	18.17	18.02	19.1	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.15	18.22	18.00	19.1	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.17	18.13	18.10	19.1	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	18.13	18.20	18.09	19.1	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.07	18.17	18.12	19.1	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	18.14	18.22	18.04	19.1	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	18.15	18.16	18.07	19.1	0.0

Part27O n78 HPUE Ant 8 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		17.86		19.1	0.0
100	PI/2 BPSK	1	137		17.59			
100	PI/2 BPSK	1	271		17.61			
100	PI/2 BPSK	135	0		17.56		19.1	0.0
100	PI/2 BPSK	135	69		17.62		19.1	0.0
100	PI/2 BPSK	135	138		17.49		19.1	0.0
100	PI/2 BPSK	270	0		17.73			
100	QPSK	1	1		17.89		19.1	0.0
100	QPSK	1	137		17.82			
100	QPSK	1	271		17.76			
100	QPSK	135	0		17.55		19.1	0.0
100	QPSK	135	69		17.70		19.1	0.0
100	QPSK	135	138		17.58		19.1	0.0
100	QPSK	270	0		17.56			
100	16QAM	1	1		17.80		19.1	0.0
100	64QAM	1	1		17.82		19.1	0.0
100	256QAM	1	1		17.62		19.1	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	17.57	17.76	17.57	19.1	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	17.65	17.65	17.58	19.1	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	17.66	17.64	17.63	19.1	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	17.57	17.64	17.55	19.1	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	17.67	17.66	17.58	19.1	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	17.69	17.71	17.62	19.1	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	17.68	17.76	17.61	19.1	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	17.66	17.74	17.58	19.1	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	17.61	17.71	17.62	19.1	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	17.60	17.73	17.54	19.1	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	17.68	17.76	17.63	19.1	0.0

Part27Q n78 HPUE Ant 8 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		18.06		19.1	0.0
100	PI/2 BPSK	1	137		17.93			
100	PI/2 BPSK	1	271		17.83			
100	PI/2 BPSK	135	0		17.98		19.1	0.0
100	PI/2 BPSK	135	69		17.89		19.1	0.0
100	PI/2 BPSK	135	138		17.94		19.1	0.0
100	PI/2 BPSK	270	0		17.78			
100	QPSK	1	1		18.22		19.1	0.0
100	QPSK	1	137		18.01			
100	QPSK	1	271		18.06			
100	QPSK	135	0		17.96		19.1	0.0
100	QPSK	135	69		18.17		19.1	0.0
100	QPSK	135	138		18.08		19.1	0.0
100	QPSK	270	0		18.19			
100	16QAM	1	1		18.17		19.1	0.0
100	64QAM	1	1		18.13		19.1	0.0
100	256QAM	1	1		17.95		19.1	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	18.05	18.13	18.02	19.1	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.10	18.18	17.98	19.1	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	18.01	18.16	18.05	19.1	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.08	18.08	17.99	19.1	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	18.07	18.17	18.07	19.1	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.01	18.16	18.04	19.1	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.08	18.15	18.02	19.1	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	18.00	18.15	18.01	19.1	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.11	18.14	17.98	19.1	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	18.07	18.16	18.04	19.1	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	18.07	18.11	18.06	19.1	0.0

Reduced Power Mode for ECI9

n2 Ant 0 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PI/2 BPSK	1	1	19.95	20.04	19.96	21.3	0.0
40	PI/2 BPSK	1	108	19.81	19.92	19.88		
40	PI/2 BPSK	1	214	19.84	19.86	19.79		
40	PI/2 BPSK	108	0	19.80	19.98	19.83	21.3	0.0
40	PI/2 BPSK	108	54	19.89	19.95	19.91	21.3	0.0
40	PI/2 BPSK	108	108	19.70	19.89	19.79	21.3	0.0
40	PI/2 BPSK	216	0	19.81	19.91	19.87		
40	QPSK	1	1	20.11	20.30	20.04	21.3	0.0
40	QPSK	1	108	19.87	19.96	19.85		
40	QPSK	1	214	19.82	19.93	19.97		
40	QPSK	108	0	19.89	20.00	19.89	21.3	0.0
40	QPSK	108	54	20.17	20.24	20.04	21.3	0.0
40	QPSK	108	108	20.08	20.17	19.92	21.3	0.0
40	QPSK	216	0	20.11	20.22	20.09		
40	16QAM	1	1	20.11	20.02	19.95	21.3	0.0
40	64QAM	1	1	19.70	19.79	19.69	21.3	0.0
40	256QAM	1	1	18.80	18.83	18.74	19.5	1.8
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	19.93	19.97	19.81	0.0	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	19.88	19.98	19.77	0.0	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	19.86	19.92	19.87	0.0	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	19.84	19.95	19.76	0.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	19.85	20.01	19.80	21.3	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	19.84	19.99	19.79	21.3	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	19.93	19.92	19.85	21.3	0.0

n5 Ant 0 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.15	23.22	23.10	24.0	0.0
20	PI/2 BPSK	1	53	23.07	23.06	23.14		
20	PI/2 BPSK	1	104	23.11	23.13	22.99		
20	PI/2 BPSK	50	0	22.54	22.61	22.59	23.5	0.5
20	PI/2 BPSK	50	28	23.06	23.15	23.10	24.0	0.0
20	PI/2 BPSK	50	56	22.37	22.53	22.41	23.5	0.5
20	PI/2 BPSK	100	0	22.58	22.66	22.38		
20	QPSK	1	1	23.23	23.29	23.19	24.0	0.0
20	QPSK	1	53	23.20	23.27	22.96		
20	QPSK	1	104	23.10	23.17	23.06		
20	QPSK	50	0	22.09	22.10	21.88	23.0	1.0
20	QPSK	50	28	23.12	23.26	23.11	24.0	0.0
20	QPSK	50	56	22.02	22.13	21.95	23.0	1.0
20	QPSK	100	0	22.12	22.17	21.86		
20	16QAM	1	1	21.97	22.08	21.93	23.0	1.0
20	64QAM	1	1	20.73	20.76	20.54	21.5	2.5
20	256QAM	1	1	19.29	19.36	19.34	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.13	23.24	23.11	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.14	23.16	23.16	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.08	23.21	23.14	24.0	0.0

n7 Ant 0 ECI 9

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	20.12	20.22	20.14	21.3	0.0
50	PI/2 BPSK	1	135	20.04	20.11	20.07		
50	PI/2 BPSK	1	268	20.04	20.15	20.14		
50	PI/2 BPSK	135	0	20.01	20.17	20.04	21.3	0.0
50	PI/2 BPSK	135	68	20.17	20.12	19.99	21.3	0.0
50	PI/2 BPSK	135	135	19.98	20.01	19.92	21.3	0.0
50	PI/2 BPSK	270	0	20.03	20.12	20.01		
50	QPSK	1	1	20.24	20.25	20.17	21.3	0.0
50	QPSK	1	135	20.19	20.21	20.04		
50	QPSK	1	268	20.14	20.13	20.12		
50	QPSK	135	0	20.04	20.12	20.04	21.3	0.0
50	QPSK	135	68	20.15	20.23	20.15	21.3	0.0
50	QPSK	135	135	20.03	20.00	19.94	21.3	0.0
50	QPSK	270	0	20.02	20.23	20.02		
50	16QAM	1	1	19.80	19.84	19.74	21.3	0.0
50	64QAM	1	1	19.98	20.03	20.03	21.3	0.0
50	256QAM	1	1	19.09	19.06	18.91	19.5	1.8
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	20.24	20.22	20.10	21.3	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	20.18	20.28	20.05	0.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	20.23	20.23	20.09	21.3	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	20.16	20.24	20.04	21.3	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	20.18	20.23	20.09	21.3	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	20.23	20.23	20.02	21.3	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	20.13	20.22	20.12	21.3	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	20.21	20.23	20.06	21.3	0.0

n12 Ant 0 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	23.07	23.19	23.03	24.0	0.0
15	PI/2 BPSK	1	40	23.01	23.05	23.05		
15	PI/2 BPSK	1	77	23.01	23.07	22.97		
15	PI/2 BPSK	36	0	22.46	22.54	22.51	23.5	0.5
15	PI/2 BPSK	36	22	23.05	23.07	22.98	24.0	0.0
15	PI/2 BPSK	36	43	22.29	22.43	22.37	23.5	0.5
15	PI/2 BPSK	75	0	22.51	22.58	22.37		
15	QPSK	1	1	23.13	23.27	23.08	24.0	0.0
15	QPSK	1	40	23.15	23.17	22.95		
15	QPSK	1	77	23.01	23.10	22.99		
15	QPSK	36	0	22.00	22.05	21.84	23.0	1.0
15	QPSK	36	22	23.04	23.24	23.01	24.0	0.0
15	QPSK	36	43	22.00	22.05	21.94	23.0	1.0
15	QPSK	75	0	22.01	22.11	21.85		
15	16QAM	1	1	21.94	21.98	21.85	23.0	1.0
15	64QAM	1	1	20.61	20.67	20.54	21.5	2.5
	256QAM	1	1	19.17	19.31	19.26	19.5	4.5
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	23.08	23.16	23.04	24.0	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	23.10	23.14	22.95	24.0	0.0

n14 Ant 0 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					158600			
Frequency (MHz)					793			
10	PI/2 BPSK	1	1		23.57		24.0	0.0
10	PI/2 BPSK	1	26		23.36			
10	PI/2 BPSK	1	50		23.39			
10	PI/2 BPSK	25	0		22.88		23.5	0.5
10	PI/2 BPSK	25	14		23.43		24.0	0.0
10	PI/2 BPSK	25	27		22.81		23.5	0.5
10	PI/2 BPSK	50	0		22.89			
10	QPSK	1	1		23.63		24.0	0.0
10	QPSK	1	26		23.49			
10	QPSK	1	50		23.45			
10	QPSK	25	0		22.40		23.0	1.0
10	QPSK	25	14		23.55		24.0	0.0
10	QPSK	25	27		22.40		23.0	1.0
10	QPSK	50	0		22.44			
10	16QAM	1	1		22.39		23.0	1.0
10	64QAM	1	1		21.04		21.5	2.5
10	256QAM	1	1		19.33		19.5	4.5
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	23.45	23.48	23.39	24.0	0.0

n25 Ant 0 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	20.25	20.20	20.07	21.3	0.0
40	PI/2 BPSK	1	108	20.09	20.20	20.18		
40	PI/2 BPSK	1	214	20.07	20.12	20.03		
40	PI/2 BPSK	108	0	20.08	20.04	20.11	21.3	0.0
40	PI/2 BPSK	108	54	20.11	20.17	20.12	21.3	0.0
40	PI/2 BPSK	108	108	19.86	20.07	20.05	21.3	0.0
40	PI/2 BPSK	216	0	20.16	20.16	19.97		
40	QPSK	1	1	20.27	20.31	20.19	21.3	0.0
40	QPSK	1	108	20.27	20.28	20.08		
40	QPSK	1	214	20.20	20.15	20.09		
40	QPSK	108	0	20.11	20.15	20.01	21.3	0.0
40	QPSK	108	54	20.11	20.28	20.15	21.3	0.0
40	QPSK	108	108	20.05	20.19	20.13	21.3	0.0
40	QPSK	216	0	20.14	20.19	19.90		
40	16QAM	1	1	20.07	20.06	19.98	21.3	0.0
40	64QAM	1	1	20.25	20.26	20.12	21.3	0.0
40	256QAM	1	1	19.25	19.41	19.34	19.5	1.8
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1	20.23	20.28	20.21	21.3	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	20.13	20.24	20.03	21.3	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	20.20	20.28	19.99	21.3	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	20.12	20.28	20.06	21.3	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	20.14	20.22	20.04	21.3	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	20.16	20.21	20.06	21.3	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	20.24	20.29	19.96	21.3	0.0

n26 Ant 0 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	23.24	23.39	23.25	24.0	0.0
20	PI/2 BPSK	1	53	23.12	23.24	23.21		
20	PI/2 BPSK	1	104	23.14	23.18	23.13		
20	PI/2 BPSK	50	0	22.65	22.75	22.65	23.5	0.5
20	PI/2 BPSK	50	28	23.16	23.26	23.16	24.0	0.0
20	PI/2 BPSK	50	56	22.55	22.65	22.54	23.5	0.5
20	PI/2 BPSK	100	0	22.63	22.70	22.62		
20	QPSK	1	1	23.34	23.40	23.28	24.0	0.0
20	QPSK	1	53	23.24	23.34	23.16		
20	QPSK	1	104	23.22	23.29	23.19		
20	QPSK	50	0	22.20	22.20	22.12	23.0	1.0
20	QPSK	50	28	23.23	23.36	23.19	24.0	0.0
20	QPSK	50	56	22.17	22.19	22.06	23.0	1.0
20	QPSK	100	0	22.20	22.28	22.10		
20	16QAM	1	1	21.85	21.98	21.86	23.0	1.0
20	64QAM	1	1	20.53	20.59	20.58	21.5	2.5
20	256QAM	1	1	19.12	19.15	19.00	19.5	4.5
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	23.22	23.36	23.18	24.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	23.24	23.26	23.15	24.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	23.25	23.30	23.23	24.0	0.0

n30 Ant 0 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					462000			
Frequency (MHz)					2310			
10	PI/2 BPSK	1	1		22.26		23.3	0.0
10	PI/2 BPSK	1	26		22.21			
10	PI/2 BPSK	1	50		22.21			
10	PI/2 BPSK	25	0		22.32		23.3	0.0
10	PI/2 BPSK	25	14		22.28		23.3	0.0
10	PI/2 BPSK	25	27		22.30		23.3	0.0
10	PI/2 BPSK	50	0		22.34			
10	QPSK	1	1		22.37		23.3	0.0
10	QPSK	1	26		22.35			
10	QPSK	1	50		22.36			
10	QPSK	25	0		22.15		23.0	0.3
10	QPSK	25	14		22.31		23.3	0.0
10	QPSK	25	27		22.18		23.0	0.3
10	QPSK	50	0		22.25			
10	16QAM	1	1		22.13		23.0	0.3
10	64QAM	1	1		20.69		21.5	1.8
10	256QAM	1	1		19.42		19.5	3.8
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	22.25	22.32	22.28	23.3	0.0

n66 Ant 0 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	19.60	19.72	19.56	20.4	0.0
40	PI/2 BPSK	1	108	19.53	19.51	19.56		
40	PI/2 BPSK	1	214	19.46	19.46	19.45		
40	PI/2 BPSK	108	0	19.48	19.52	19.42	20.4	0.0
40	PI/2 BPSK	108	54	19.59	19.46	19.43	20.4	0.0
40	PI/2 BPSK	108	108	19.26	19.45	19.27	20.4	0.0
40	PI/2 BPSK	216	0	19.40	19.61	19.43		
40	QPSK	1	1	19.65	19.74	19.67	20.4	0.0
40	QPSK	1	108	19.65	19.59	19.40		
40	QPSK	1	214	19.53	19.68	19.51		
40	QPSK	108	0	19.49	19.59	19.37	20.4	0.0
40	QPSK	108	54	19.48	19.67	19.46	20.4	0.0
40	QPSK	108	108	19.47	19.52	19.46	20.4	0.0
40	QPSK	216	0	19.37	19.59	19.28		
40	16QAM	1	1	19.40	19.41	19.36	20.4	0.0
40	64QAM	1	1	19.55	19.62	19.50	20.4	0.0
40	256QAM	1	1	19.03	19.10	19.08	19.5	0.9
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	19.57	19.73	19.65	20.4	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	19.63	19.70	19.61	20.4	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	19.66	19.69	19.58	20.4	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	19.61	19.67	19.65	20.4	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	19.59	19.69	19.63	20.4	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	19.64	19.71	19.69	20.4	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	19.59	19.72	19.61	20.4	0.0

n70 Ant 0 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					340500			
Frequency (MHz)					1702.5			
15	PI/2 BPSK	1	1		18.67		20.2	0.0
15	PI/2 BPSK	1	40		18.56			
15	PI/2 BPSK	1	77		18.48			
15	PI/2 BPSK	36	0		18.42		20.2	0.0
15	PI/2 BPSK	36	22		18.52		20.2	0.0
15	PI/2 BPSK	36	43		18.44		20.2	0.0
15	PI/2 BPSK	75	0		18.48			
15	QPSK	1	1		18.75		20.2	0.0
15	QPSK	1	40		18.52			
15	QPSK	1	77		18.66			
15	QPSK	36	0		18.42		20.2	0.0
15	QPSK	36	22		18.74		20.2	0.0
15	QPSK	36	43		18.49		20.2	0.0
15	QPSK	75	0		18.60			
15	16QAM	1	1		18.49		20.2	0.0
15	64QAM	1	1		18.52		20.2	0.0
	256QAM	1	1		18.55		19.5	0.7
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	18.60	18.69	18.62	20.2	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	18.63	18.70	18.69	20.2	0.0

n71 Ant 0 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	23.50	23.57	23.42	24.0	0.0
20	PI/2 BPSK	1	53	23.43	23.41	23.46		
20	PI/2 BPSK	1	104	23.28	23.36	23.26		
20	PI/2 BPSK	50	0	22.81	22.93	22.82	23.5	0.5
20	PI/2 BPSK	50	28	23.38	23.34	23.29	24.0	0.0
20	PI/2 BPSK	50	56	22.63	22.85	22.66	23.5	0.5
20	PI/2 BPSK	100	0	22.81	22.91	22.77		
20	QPSK	1	1	23.59	23.69	23.54	24.0	0.0
20	QPSK	1	53	23.48	23.46	23.31		
20	QPSK	1	104	23.31	23.49	23.35		
20	QPSK	50	0	22.32	22.38	22.20	23.0	1.0
20	QPSK	50	28	23.34	23.50	23.26	24.0	0.0
20	QPSK	50	56	22.36	22.38	22.30	23.0	1.0
20	QPSK	100	0	22.24	22.42	22.20		
20	16QAM	1	1	22.29	22.36	22.22	23.0	1.0
20	64QAM	1	1	20.98	21.00	20.87	21.5	2.5
20	256QAM	1	1	19.28	19.45	19.40	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	23.48	23.58	23.50	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	23.56	23.59	23.43	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	23.52	23.60	23.44	24.0	0.0

n41 HPUE Ant 0 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	20.16	20.18	20.12	21.5	0.0
100	PI/2 BPSK	1	137	20.11	20.06	20.04		
100	PI/2 BPSK	1	271	19.90	19.92	19.97		
100	PI/2 BPSK	135	0	19.91	20.10	19.94	21.5	0.0
100	PI/2 BPSK	135	69	20.09	20.02	19.95	21.5	0.0
100	PI/2 BPSK	135	138	19.75	19.96	19.87	21.5	0.0
100	PI/2 BPSK	270	0	20.03	20.05	19.86		
100	QPSK	1	1	20.24	20.34	20.29	21.5	0.0
100	QPSK	1	137	20.13	20.08	19.93		
100	QPSK	1	271	20.01	20.06	19.94		
100	QPSK	135	0	19.99	20.07	19.76	21.5	0.0
100	QPSK	135	69	20.13	20.21	20.00	21.5	0.0
100	QPSK	135	138	19.99	20.03	20.09	21.5	0.0
100	QPSK	270	0	20.12	20.14	20.09		
100	16QAM	1	1	20.05	20.09	20.00	21.5	0.0
100	64QAM	1	1	20.17	20.24	20.25	21.5	0.0
100	256QAM	1	1	19.68	19.76	19.71	21.5	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	20.23	20.25	20.22	21.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	20.24	20.32	20.25	21.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	20.18	20.33	20.31	21.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	20.20	20.33	20.31	21.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	20.21	20.26	20.25	21.5	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	20.20	20.31	20.31	21.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	20.19	20.27	20.26	21.5	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	20.25	20.25	20.21	21.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	20.21	20.32	20.24	21.5	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	20.21	20.31	20.25	21.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	20.17	20.30	20.24	21.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	20.19	20.26	20.23	21.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	20.22	20.28	20.23	21.5	0.0

n2 Ant 1 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PI/2 BPSK	1	1	23.02	23.18	23.04	24.0	0.0
40	PI/2 BPSK	1	108	22.96	23.06	22.95		
40	PI/2 BPSK	1	214	22.89	22.94	22.89		
40	PI/2 BPSK	108	0	22.44	22.46	22.35	23.5	0.5
40	PI/2 BPSK	108	54	23.04	22.94	22.98	24.0	0.0
40	PI/2 BPSK	108	108	22.18	22.37	22.31	23.5	0.5
40	PI/2 BPSK	216	0	22.42	22.49	22.29		
40	QPSK	1	1	23.17	23.19	23.10	24.0	0.0
40	QPSK	1	108	23.07	23.06	22.96		
40	QPSK	1	214	22.93	23.08	22.95		
40	QPSK	108	0	21.95	22.02	21.83	23.0	1.0
40	QPSK	108	54	23.02	23.14	22.86	24.0	0.0
40	QPSK	108	108	21.96	21.92	21.87	23.0	1.0
40	QPSK	216	0	21.89	22.08	21.73		
40	16QAM	1	1	21.94	21.89	21.80	23.0	1.0
40	64QAM	1	1	20.58	20.51	20.42	21.5	2.5
40	256QAM	1	1	19.12	19.24	19.19	19.5	4.5
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	23.03	23.12	22.96	0.0	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	23.09	23.15	22.96	0.0	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	23.03	23.14	22.99	0.0	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	23.03	23.06	23.05	0.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	23.09	23.14	23.03	24.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	23.11	23.10	22.99	24.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	23.09	23.15	22.97	24.0	0.0

n5 Ant 1 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	22.87	22.91	22.82	24.0	0.0
20	PI/2 BPSK	1	53	22.77	22.80	22.84		
20	PI/2 BPSK	1	104	22.76	22.77	22.62		
20	PI/2 BPSK	50	0	22.26	22.26	22.22	23.5	0.5
20	PI/2 BPSK	50	28	22.80	22.79	22.74	24.0	0.0
20	PI/2 BPSK	50	56	21.97	22.21	22.01	23.5	0.5
20	PI/2 BPSK	100	0	22.22	22.37	22.20		
20	QPSK	1	1	22.90	22.99	22.91	24.0	0.0
20	QPSK	1	53	22.92	22.85	22.66		
20	QPSK	1	104	22.74	22.88	22.75		
20	QPSK	50	0	21.74	21.81	21.62	23.0	1.0
20	QPSK	50	28	22.82	22.90	22.77	24.0	0.0
20	QPSK	50	56	21.80	21.77	21.68	23.0	1.0
20	QPSK	100	0	21.72	21.80	21.61		
20	16QAM	1	1	21.64	21.68	21.60	23.0	1.0
20	64QAM	1	1	20.38	20.37	20.23	21.5	2.5
20	256QAM	1	1	18.98	18.99	18.97	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.86	22.93	22.79	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.81	22.87	22.82	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.85	22.89	22.78	24.0	0.0

n7 Ant 1 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	20.74	20.81	20.65	21.8	0.0
50	PI/2 BPSK	1	135	20.76	20.69	20.82		
50	PI/2 BPSK	1	268	20.63	20.67	20.48		
50	PI/2 BPSK	135	0	20.63	20.68	20.74	21.8	0.0
50	PI/2 BPSK	135	68	20.70	20.68	20.69	21.8	0.0
50	PI/2 BPSK	135	135	20.33	20.61	20.41	21.8	0.0
50	PI/2 BPSK	270	0	20.67	20.71	20.68		
50	QPSK	1	1	20.80	20.92	20.82	21.8	0.0
50	QPSK	1	135	20.86	20.74	20.57		
50	QPSK	1	268	20.57	20.71	20.66		
50	QPSK	135	0	20.69	20.73	20.62	21.8	0.0
50	QPSK	135	68	20.75	20.85	20.68	21.8	0.0
50	QPSK	135	135	20.71	20.71	20.67	21.8	0.0
50	QPSK	270	0	20.61	20.65	20.42		
50	16QAM	1	1	20.43	20.51	20.45	21.8	0.0
50	64QAM	1	1	19.98	20.05	19.90	21.5	0.3
50	256QAM	1	1	18.52	18.59	18.53	19.5	2.3
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	20.64	20.77	20.75	21.8	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	20.70	20.73	20.70	0.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	20.70	20.74	20.77	21.8	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	20.63	20.81	20.69	21.8	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	20.71	20.82	20.77	21.8	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	20.71	20.81	20.79	21.8	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	20.65	20.78	20.74	21.8	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	20.67	20.79	20.73	21.8	0.0

n12 Ant 1 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	22.83	22.92	22.83	24.0	0.0
15	PI/2 BPSK	1	40	22.80	22.78	22.86		
15	PI/2 BPSK	1	77	22.79	22.78	22.68		
15	PI/2 BPSK	36	0	22.23	22.31	22.27	23.5	0.5
15	PI/2 BPSK	36	22	22.82	22.81	22.79	24.0	0.0
15	PI/2 BPSK	36	43	21.88	22.29	22.01	23.5	0.5
15	PI/2 BPSK	75	0	22.29	22.36	22.21		
15	QPSK	1	1	22.84	23.01	22.94	24.0	0.0
15	QPSK	1	40	22.94	22.91	22.72		
15	QPSK	1	77	22.77	22.83	22.71		
15	QPSK	36	0	21.77	21.88	21.68	23.0	1.0
15	QPSK	36	22	22.83	22.97	22.74	24.0	0.0
15	QPSK	36	43	21.72	21.76	21.57	23.0	1.0
15	QPSK	75	0	21.80	21.81	21.77		
15	16QAM	1	1	21.71	21.75	21.70	23.0	1.0
15	64QAM	1	1	20.19	20.34	20.21	21.5	2.5
	256QAM	1	1	18.97	19.05	18.94	19.5	4.5
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	22.74	22.91	22.89	24.0	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	22.73	22.88	22.83	24.0	0.0

n14 Ant 1 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					158600			
Frequency (MHz)					793			
10	PI/2 BPSK	1	1		23.25		24.0	0.0
10	PI/2 BPSK	1	26		23.14			
10	PI/2 BPSK	1	50		23.05			
10	PI/2 BPSK	25	0		22.60		23.5	0.5
10	PI/2 BPSK	25	14		23.15		24.0	0.0
10	PI/2 BPSK	25	27		22.61		23.5	0.5
10	PI/2 BPSK	50	0		22.69			
10	QPSK	1	1		23.34		24.0	0.0
10	QPSK	1	26		23.21			
10	QPSK	1	50		23.13			
10	QPSK	25	0		22.16		23.0	1.0
10	QPSK	25	14		23.27		24.0	0.0
10	QPSK	25	27		22.08		23.0	1.0
10	QPSK	50	0		22.15			
10	16QAM	1	1		22.09		23.0	1.0
10	64QAM	1	1		20.69		21.5	2.5
10	256QAM	1	1		19.39		19.5	4.5
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	23.15	23.21	23.17	24.0	0.0

n25 Ant 1 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	23.06	23.07	23.01	24.0	0.0
40	PI/2 BPSK	1	108	22.90	22.97	22.98		
40	PI/2 BPSK	1	214	22.87	22.86	22.88		
40	PI/2 BPSK	108	0	22.30	22.42	22.28	23.5	0.5
40	PI/2 BPSK	108	54	22.90	22.89	22.89	24.0	0.0
40	PI/2 BPSK	108	108	22.16	22.40	22.17	23.5	0.5
40	PI/2 BPSK	216	0	22.40	22.48	22.29		
40	QPSK	1	1	23.15	23.20	23.12	24.0	0.0
40	QPSK	1	108	23.08	22.96	22.84		
40	QPSK	1	214	22.85	23.01	22.89		
40	QPSK	108	0	21.93	21.99	21.75	23.0	1.0
40	QPSK	108	54	22.92	23.09	22.80	24.0	0.0
40	QPSK	108	108	21.86	21.88	21.90	23.0	1.0
40	QPSK	216	0	21.82	22.01	21.73		
40	16QAM	1	1	21.88	21.82	21.67	23.0	1.0
40	64QAM	1	1	20.52	20.50	20.30	21.5	2.5
40	256QAM	1	1	19.12	19.19	19.16	19.5	4.5
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1	23.05	23.10	23.04	24.0	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	23.03	23.11	23.08	24.0	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	23.02	23.09	23.03	24.0	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	23.10	23.15	23.06	24.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	23.12	23.07	23.07	24.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	23.12	23.16	23.08	24.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	23.04	23.14	23.00	24.0	0.0

n26 Ant 1 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	22.92	22.99	22.93	24.0	0.0
20	PI/2 BPSK	1	53	22.77	22.92	22.85		
20	PI/2 BPSK	1	104	22.78	22.78	22.84		
20	PI/2 BPSK	50	0	22.22	22.36	22.19	23.5	0.5
20	PI/2 BPSK	50	28	22.84	22.86	22.81	24.0	0.0
20	PI/2 BPSK	50	56	22.10	22.26	22.08	23.5	0.5
20	PI/2 BPSK	100	0	22.32	22.44	22.16		
20	QPSK	1	1	23.06	23.13	22.99	24.0	0.0
20	QPSK	1	53	23.01	22.82	22.80		
20	QPSK	1	104	22.80	22.97	22.78		
20	QPSK	50	0	21.89	21.84	21.67	23.0	1.0
20	QPSK	50	28	22.82	23.04	22.69	24.0	0.0
20	QPSK	50	56	21.73	21.85	21.79	23.0	1.0
20	QPSK	100	0	21.74	21.88	21.62		
20	16QAM	1	1	21.79	21.78	21.53	23.0	1.0
20	64QAM	1	1	20.44	20.37	20.16	21.5	2.5
20	256QAM	1	1	19.00	19.15	19.03	19.5	4.5
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	22.99	23.05	22.84	24.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	22.96	23.00	22.92	24.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	22.92	23.07	22.85	24.0	0.0

n30 Ant 1 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					462000			
Frequency (MHz)					2310			
10	PI/2 BPSK	1	1		19.89		21.1	0.0
10	PI/2 BPSK	1	26		19.79			
10	PI/2 BPSK	1	50		19.68			
10	PI/2 BPSK	25	0		19.78		21.1	0.0
10	PI/2 BPSK	25	14		19.78		21.1	0.0
10	PI/2 BPSK	25	27		19.65		21.1	0.0
10	PI/2 BPSK	50	0		19.84			
10	QPSK	1	1		20.01		21.1	0.0
10	QPSK	1	26		19.75			
10	QPSK	1	50		19.93			
10	QPSK	25	0		19.80		21.1	0.0
10	QPSK	25	14		19.97		21.1	0.0
10	QPSK	25	27		19.77		21.1	0.0
10	QPSK	50	0		19.80			
10	16QAM	1	1		19.61		21.1	0.0
10	64QAM	1	1		19.77		21.1	0.0
10	256QAM	1	1		19.09		19.5	1.6
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	19.91	19.96	19.86	21.1	0.0

n66 Ant 1 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	21.67	21.82	21.68	22.9	0.0
40	PI/2 BPSK	1	108	21.69	21.77	21.67		
40	PI/2 BPSK	1	214	21.69	21.56	21.51		
40	PI/2 BPSK	108	0	21.63	21.75	21.60	22.9	0.0
40	PI/2 BPSK	108	54	21.66	21.62	21.55	22.9	0.0
40	PI/2 BPSK	108	108	21.39	21.54	21.46	22.9	0.0
40	PI/2 BPSK	216	0	21.54	21.78	21.59		
40	QPSK	1	1	21.85	21.91	21.79	22.9	0.0
40	QPSK	1	108	21.68	21.73	21.71		
40	QPSK	1	214	21.73	21.83	21.50		
40	QPSK	108	0	21.67	21.65	21.45	22.9	0.0
40	QPSK	108	54	21.78	21.88	21.60	22.9	0.0
40	QPSK	108	108	21.75	21.68	21.55	22.9	0.0
40	QPSK	216	0	21.50	21.76	21.45		
40	16QAM	1	1	21.28	21.38	21.17	22.9	0.0
40	64QAM	1	1	20.32	20.43	20.34	21.5	1.4
40	256QAM	1	1	18.77	18.91	18.86	19.5	3.4
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	21.75	21.83	21.71	22.9	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	21.86	21.82	21.71	22.9	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	21.80	21.78	21.65	22.9	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	21.84	21.82	21.75	22.9	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	21.80	21.81	21.71	22.9	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	21.74	21.79	21.72	22.9	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	21.86	21.77	21.71	22.9	0.0

n70 Ant 1 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					340500			
Frequency (MHz)					1702.5			
15	PI/2 BPSK	1	1		22.04		23.0	0.0
15	PI/2 BPSK	1	40		21.95			
15	PI/2 BPSK	1	77		21.78			
15	PI/2 BPSK	36	0		21.96		23.0	0.0
15	PI/2 BPSK	36	22		21.89		23.0	0.0
15	PI/2 BPSK	36	43		21.85		23.0	0.0
15	PI/2 BPSK	75	0		21.99			
15	QPSK	1	1		22.11		23.0	0.0
15	QPSK	1	40		21.90			
15	QPSK	1	77		22.02			
15	QPSK	36	0		21.88		23.0	0.0
15	QPSK	36	22		22.08		23.0	0.0
15	QPSK	36	43		21.98		23.0	0.0
15	QPSK	75	0		22.05			
15	16QAM	1	1		21.59		23.0	0.0
15	64QAM	1	1		20.74		21.5	1.5
	256QAM	1	1		19.17		19.5	3.5
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	22.07	22.09	22.07	23.0	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	21.96	22.08	22.05	23.0	0.0

n71 Ant 1 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	23.33	23.49	23.30	24.0	0.0
20	PI/2 BPSK	1	53	23.26	23.32	23.30		
20	PI/2 BPSK	1	104	23.33	23.19	23.15		
20	PI/2 BPSK	50	0	22.75	22.85	22.68	23.5	0.5
20	PI/2 BPSK	50	28	23.27	23.32	23.15	24.0	0.0
20	PI/2 BPSK	50	56	22.53	22.71	22.63	23.5	0.5
20	PI/2 BPSK	100	0	22.64	22.91	22.59		
20	QPSK	1	1	23.47	23.50	23.36	24.0	0.0
20	QPSK	1	53	23.28	23.36	23.22		
20	QPSK	1	104	23.28	23.45	23.21		
20	QPSK	50	0	22.28	22.29	22.08	23.0	1.0
20	QPSK	50	28	23.35	23.39	23.12	24.0	0.0
20	QPSK	50	56	22.28	22.30	22.18	23.0	1.0
20	QPSK	100	0	22.16	22.36	22.18		
20	16QAM	1	1	22.05	22.17	22.02	23.0	1.0
20	64QAM	1	1	20.73	20.86	20.71	21.5	2.5
20	256QAM	1	1	19.40	19.43	19.34	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	23.38	23.44	23.32	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	23.34	23.37	23.23	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	23.34	23.42	23.30	24.0	0.0

n41 HPUE Ant 1 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	18.68	18.70	18.73	20.3	0.0
100	PI/2 BPSK	1	137	18.60	18.56	18.64		
100	PI/2 BPSK	1	271	18.51	18.57	18.48		
100	PI/2 BPSK	135	0	18.46	18.68	18.53	20.3	0.0
100	PI/2 BPSK	135	69	18.54	18.58	18.44	20.3	0.0
100	PI/2 BPSK	135	138	18.45	18.54	18.32	20.3	0.0
100	PI/2 BPSK	270	0	18.53	18.65	18.44		
100	QPSK	1	1	18.76	18.82	18.80	20.3	0.0
100	QPSK	1	137	18.69	18.67	18.46		
100	QPSK	1	271	18.49	18.62	18.49		
100	QPSK	135	0	18.64	18.52	18.38	20.3	0.0
100	QPSK	135	69	18.52	18.77	18.56	20.3	0.0
100	QPSK	135	138	18.49	18.54	18.51	20.3	0.0
100	QPSK	270	0	18.47	18.62	18.35		
100	16QAM	1	1	18.65	18.77	18.74	20.3	0.0
100	64QAM	1	1	18.79	18.81	18.80	20.3	0.0
100	256QAM	1	1	18.34	18.44	18.34	20.3	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	18.47	18.61	18.71	20.3	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	18.47	18.67	18.70	20.3	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	18.49	18.70	18.64	20.3	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	18.47	18.65	18.63	20.3	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	18.46	18.65	18.69	20.3	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	18.55	18.65	18.62	20.3	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	18.56	18.66	18.68	20.3	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	18.51	18.66	18.72	20.3	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	18.46	18.71	18.61	20.3	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	18.50	18.66	18.60	20.3	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	18.53	18.66	18.69	20.3	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	18.54	18.62	18.61	20.3	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	18.46	18.67	18.71	20.3	0.0

n2 Ant 2 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PI/2 BPSK	1	1	12.39	12.47	12.31	13.6	0.0
40	PI/2 BPSK	1	108	12.27	12.35	12.30		
40	PI/2 BPSK	1	214	12.20	12.24	12.13		
40	PI/2 BPSK	108	0	12.35	12.38	12.30	13.6	0.0
40	PI/2 BPSK	108	54	12.30	12.28	12.22	13.6	0.0
40	PI/2 BPSK	108	108	12.30	12.38	12.38	13.6	0.0
40	PI/2 BPSK	216	0	12.37	12.38	12.31		
40	QPSK	1	1	12.45	12.48	12.44	13.6	0.0
40	QPSK	1	108	12.34	12.32	12.16		
40	QPSK	1	214	12.29	12.39	12.17		
40	QPSK	108	0	12.28	12.43	12.20	13.6	0.0
40	QPSK	108	54	12.33	12.46	12.15	13.6	0.0
40	QPSK	108	108	12.27	12.28	12.20	13.6	0.0
40	QPSK	216	0	12.19	12.42	12.03		
40	16QAM	1	1	12.18	12.25	12.14	13.6	0.0
40	64QAM	1	1	12.36	12.26	12.27	13.6	0.0
40	256QAM	1	1	12.44	12.45	12.42	13.6	0.0
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	12.38	12.45	12.44	0.0	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	12.38	12.44	12.43	0.0	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	12.38	12.45	12.33	0.0	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	12.40	12.41	12.35	0.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	12.43	12.44	12.32	13.6	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	12.46	12.47	12.41	13.6	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	12.37	12.45	12.33	13.6	0.0

n7 Ant 2 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	14.19	14.22	14.10	15.7	0.0
50	PI/2 BPSK	1	135	14.07	14.11	14.10		
50	PI/2 BPSK	1	268	14.00	13.99	13.90		
50	PI/2 BPSK	135	0	13.99	14.14	13.96	15.7	0.0
50	PI/2 BPSK	135	68	14.10	14.08	13.97	15.7	0.0
50	PI/2 BPSK	135	135	13.85	14.16	13.87	15.7	0.0
50	PI/2 BPSK	270	0	13.94	14.14	13.93		
50	QPSK	1	1	14.33	14.45	14.20	15.7	0.0
50	QPSK	1	135	14.17	14.16	14.08		
50	QPSK	1	268	14.08	14.13	13.99		
50	QPSK	135	0	13.98	14.10	13.87	15.7	0.0
50	QPSK	135	68	14.10	14.28	14.04	15.7	0.0
50	QPSK	135	135	14.08	14.20	14.07	15.7	0.0
50	QPSK	270	0	14.05	14.25	14.06		
50	16QAM	1	1	13.95	13.91	13.90	15.7	0.0
50	64QAM	1	1	13.85	13.98	13.91	15.7	0.0
50	256QAM	1	1	14.26	14.41	14.37	15.7	0.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	14.33	14.38	14.11	15.7	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	14.25	14.44	14.23	0.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	14.26	14.40	14.16	15.7	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	14.25	14.40	14.17	15.7	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	14.27	14.43	14.14	15.7	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	14.30	14.36	14.17	15.7	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	14.36	14.40	14.19	15.7	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	14.35	14.44	14.14	15.7	0.0

n25 Ant 2 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	12.40	12.42	12.25	13.6	0.0
40	PI/2 BPSK	1	108	12.23	12.32	12.21		
40	PI/2 BPSK	1	214	12.18	12.32	12.25		
40	PI/2 BPSK	108	0	12.23	12.30	12.10	13.6	0.0
40	PI/2 BPSK	108	54	12.34	12.30	12.17	13.6	0.0
40	PI/2 BPSK	108	108	12.03	12.24	12.13	13.6	0.0
40	PI/2 BPSK	216	0	12.19	12.37	12.20		
40	QPSK	1	1	12.48	12.52	12.36	13.6	0.0
40	QPSK	1	108	12.42	12.42	12.17		
40	QPSK	1	214	12.22	12.31	12.26		
40	QPSK	108	0	12.25	12.37	12.11	13.6	0.0
40	QPSK	108	54	12.21	12.46	12.22	13.6	0.0
40	QPSK	108	108	12.28	12.24	12.21	13.6	0.0
40	QPSK	216	0	12.16	12.32	12.05		
40	16QAM	1	1	12.08	12.23	12.09	13.6	0.0
40	64QAM	1	1	12.34	12.27	12.17	13.6	0.0
40	256QAM	1	1	12.44	12.51	12.45	13.6	0.0
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1	12.34	12.42	12.38	13.6	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	12.43	12.39	12.26	13.6	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	12.36	12.48	12.25	13.6	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	12.36	12.39	12.32	13.6	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	12.45	12.40	12.34	13.6	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	12.38	12.41	12.35	13.6	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	12.38	12.40	12.29	13.6	0.0

n30 Ant 2 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					462000			
Frequency (MHz)					2310			
10	PI/2 BPSK	1	1		14.35		15.5	0.0
10	PI/2 BPSK	1	26		14.15			
10	PI/2 BPSK	1	50		14.09			
10	PI/2 BPSK	25	0		14.17		15.5	0.0
10	PI/2 BPSK	25	14		14.21		15.5	0.0
10	PI/2 BPSK	25	27		14.07		15.5	0.0
10	PI/2 BPSK	50	0		14.28			
10	QPSK	1	1		14.44		15.5	0.0
10	QPSK	1	26		14.35			
10	QPSK	1	50		14.29			
10	QPSK	25	0		14.16		15.5	0.0
10	QPSK	25	14		14.36		15.5	0.0
10	QPSK	25	27		14.18		15.5	0.0
10	QPSK	50	0		14.17			
10	16QAM	1	1		14.14		15.5	0.0
10	64QAM	1	1		14.31		15.5	0.0
10	256QAM	1	1		14.43		15.5	0.0
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	14.34	14.37	14.32	15.5	0.0

n66 Ant 2 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	13.29	13.23	13.23	14.4	0.0
40	PI/2 BPSK	1	108	13.17	13.14	13.11		
40	PI/2 BPSK	1	214	13.06	13.14	13.00		
40	PI/2 BPSK	108	0	13.00	13.11	12.96	14.4	0.0
40	PI/2 BPSK	108	54	13.03	13.09	13.00	14.4	0.0
40	PI/2 BPSK	108	108	12.88	13.05	12.95	14.4	0.0
40	PI/2 BPSK	216	0	13.02	13.11	12.96		
40	QPSK	1	1	13.31	13.36	13.32	14.4	0.0
40	QPSK	1	108	13.24	13.12	13.02		
40	QPSK	1	214	12.99	13.16	13.15		
40	QPSK	108	0	13.14	13.14	13.01	14.4	0.0
40	QPSK	108	54	13.08	13.30	13.02	14.4	0.0
40	QPSK	108	108	13.06	13.13	12.89	14.4	0.0
40	QPSK	216	0	12.98	13.22	12.85		
40	16QAM	1	1	13.10	13.00	12.91	14.4	0.0
40	64QAM	1	1	13.16	13.29	12.97	14.4	0.0
40	256QAM	1	1	13.30	13.27	13.33	14.4	0.0
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	13.33	13.34	13.24	14.4	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	13.31	13.32	13.27	14.4	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	13.35	13.32	13.24	14.4	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	13.26	13.28	13.33	14.4	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	13.32	13.35	13.30	14.4	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	13.35	13.33	13.33	14.4	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	13.33	13.28	13.24	14.4	0.0

n70 Ant 2 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					340500			
Frequency (MHz)					1702.5			
15	PI/2 BPSK	1	1		14.23		15.2	0.0
15	PI/2 BPSK	1	40		14.15			
15	PI/2 BPSK	1	77		14.02			
15	PI/2 BPSK	36	0		14.10		15.2	0.0
15	PI/2 BPSK	36	22		14.07		15.2	0.0
15	PI/2 BPSK	36	43		13.93		15.2	0.0
15	PI/2 BPSK	75	0		14.21			
15	QPSK	1	1		14.27		15.2	0.0
15	QPSK	1	40		14.17			
15	QPSK	1	77		14.11			
15	QPSK	36	0		14.00		15.2	0.0
15	QPSK	36	22		14.19		15.2	0.0
15	QPSK	36	43		14.10		15.2	0.0
15	QPSK	75	0		14.12			
15	16QAM	1	1		13.90		15.2	0.0
15	64QAM	1	1		14.09		15.2	0.0
15	256QAM	1	1		13.96		15.2	0.0
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	14.01	14.14	14.13	15.2	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	14.09	14.15	14.08	15.2	0.0

n41 HPUE Ant 2 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	13.46	13.66	13.46	14.7	0.0
100	PI/2 BPSK	1	137	13.46	13.45	13.52		
100	PI/2 BPSK	1	271	13.33	13.31	13.29		
100	PI/2 BPSK	135	0	13.36	13.48	13.28	14.7	0.0
100	PI/2 BPSK	135	69	13.35	13.43	13.46	14.7	0.0
100	PI/2 BPSK	135	138	13.18	13.35	13.24	14.7	0.0
100	PI/2 BPSK	270	0	13.38	13.53	13.25		
100	QPSK	1	1	13.54	13.69	13.54	14.7	0.0
100	QPSK	1	137	13.45	13.58	13.37		
100	QPSK	1	271	13.50	13.52	13.39		
100	QPSK	135	0	13.42	13.47	13.25	14.7	0.0
100	QPSK	135	69	13.41	13.57	13.43	14.7	0.0
100	QPSK	135	138	13.42	13.53	13.44	14.7	0.0
100	QPSK	270	0	13.58	13.60	13.53		
100	16QAM	1	1	13.51	13.54	13.46	14.7	0.0
100	64QAM	1	1	13.47	13.67	13.41	14.7	0.0
100	256QAM	1	1	12.81	12.83	12.71	14.7	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	13.50	13.61	13.38	14.7	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	13.46	13.67	13.48	14.7	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	13.48	13.59	13.43	14.7	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	13.48	13.63	13.40	14.7	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	13.56	13.59	13.42	14.7	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	13.52	13.63	13.41	14.7	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	13.47	13.65	13.48	14.7	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	13.53	13.64	13.43	14.7	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	13.55	13.68	13.42	14.7	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	13.49	13.68	13.47	14.7	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	13.56	13.60	13.45	14.7	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	13.46	13.62	13.46	14.7	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	13.51	13.60	13.46	14.7	0.0

n2 Ant 3 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PI/2 BPSK	1	1	16.97	17.02	16.96	18.1	0.0
40	PI/2 BPSK	1	108	16.91	16.85	16.85		
40	PI/2 BPSK	1	214	16.80	16.78	16.76		
40	PI/2 BPSK	108	0	16.78	16.95	16.75	18.1	0.0
40	PI/2 BPSK	108	54	16.79	16.75	16.90	18.1	0.0
40	PI/2 BPSK	108	108	16.54	16.84	16.65	18.1	0.0
40	PI/2 BPSK	216	0	16.84	16.89	16.64		
40	QPSK	1	1	17.02	17.06	16.99	18.1	0.0
40	QPSK	1	108	17.01	16.99	16.79		
40	QPSK	1	214	16.77	16.98	16.73		
40	QPSK	108	0	16.89	16.85	16.69	18.1	0.0
40	QPSK	108	54	16.86	17.04	16.79	18.1	0.0
40	QPSK	108	108	16.85	16.95	16.73	18.1	0.0
40	QPSK	216	0	16.86	17.00	16.77		
40	16QAM	1	1	16.78	16.83	16.65	18.1	0.0
40	64QAM	1	1	16.95	16.87	16.79	18.1	0.0
40	256QAM	1	1	16.98	17.03	17.02	18.1	0.0
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	17.03	17.00	16.95	0.0	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	16.97	16.98	16.99	0.0	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	17.02	17.03	16.93	0.0	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	17.04	16.98	16.95	0.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	16.94	17.02	16.99	18.1	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	16.96	17.05	16.91	18.1	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	16.96	17.01	16.92	18.1	0.0

n7 Ant 3 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	14.63	14.64	14.55	15.4	0.0
50	PI/2 BPSK	1	135	14.46	14.57	14.49		
50	PI/2 BPSK	1	268	14.37	14.42	14.42		
50	PI/2 BPSK	135	0	14.39	14.60	14.45	15.4	0.0
50	PI/2 BPSK	135	68	14.46	14.43	14.45	15.4	0.0
50	PI/2 BPSK	135	135	14.25	14.37	14.35	15.4	0.0
50	PI/2 BPSK	270	0	14.51	14.41	14.28		
50	QPSK	1	1	14.66	14.76	14.65	15.4	0.0
50	QPSK	1	135	14.60	14.61	14.53		
50	QPSK	1	268	14.39	14.59	14.33		
50	QPSK	135	0	14.45	14.45	14.30	15.4	0.0
50	QPSK	135	68	14.43	14.67	14.56	15.4	0.0
50	QPSK	135	135	14.56	14.59	14.29	15.4	0.0
50	QPSK	270	0	14.39	14.62	14.47		
50	16QAM	1	1	14.17	14.43	14.32	15.4	0.0
50	64QAM	1	1	14.19	14.36	14.24	15.4	0.0
50	256QAM	1	1	14.25	14.32	14.26	15.4	0.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	14.62	14.70	14.56	15.4	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	14.59	14.72	14.60	0.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	14.60	14.65	14.59	15.4	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	14.57	14.73	14.52	15.4	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	14.60	14.71	14.57	15.4	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	14.66	14.70	14.58	15.4	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	14.62	14.75	14.60	15.4	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	14.62	14.66	14.53	15.4	0.0

n25 Ant 3 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	16.99	16.88	16.92	18.1	0.0
40	PI/2 BPSK	1	108	16.76	16.86	16.79		
40	PI/2 BPSK	1	214	16.75	16.73	16.69		
40	PI/2 BPSK	108	0	16.73	16.75	16.70	18.1	0.0
40	PI/2 BPSK	108	54	16.81	16.75	16.81	18.1	0.0
40	PI/2 BPSK	108	108	16.59	16.82	16.53	18.1	0.0
40	PI/2 BPSK	216	0	16.69	16.91	16.69		
40	QPSK	1	1	17.01	17.12	16.92	18.1	0.0
40	QPSK	1	108	16.85	16.87	16.79		
40	QPSK	1	214	16.76	16.91	16.72		
40	QPSK	108	0	16.81	16.87	16.64	18.1	0.0
40	QPSK	108	54	16.84	16.92	16.72	18.1	0.0
40	QPSK	108	108	16.79	16.76	16.70	18.1	0.0
40	QPSK	216	0	16.70	16.85	16.68		
40	16QAM	1	1	16.77	16.79	16.70	18.1	0.0
40	64QAM	1	1	16.97	16.90	16.73	18.1	0.0
40	256QAM	1	1	17.03	17.09	17.09	18.1	0.0
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1	16.98	17.05	17.03	18.1	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	17.01	17.10	16.95	18.1	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	16.95	17.04	16.84	18.1	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	16.94	17.03	16.93	18.1	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	17.03	17.10	16.85	18.1	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	16.96	17.10	16.93	18.1	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	17.00	17.04	16.84	18.1	0.0

n30 Ant 3 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					462000			
Frequency (MHz)					2310			
10	PI/2 BPSK	1	1		18.36		19.3	0.0
10	PI/2 BPSK	1	26		18.25			
10	PI/2 BPSK	1	50		18.21			
10	PI/2 BPSK	25	0		18.42		19.3	0.0
10	PI/2 BPSK	25	14		18.18		19.3	0.0
10	PI/2 BPSK	25	27		18.21		19.3	0.0
10	PI/2 BPSK	50	0		18.24			
10	QPSK	1	1		18.49		19.3	0.0
10	QPSK	1	26		18.33			
10	QPSK	1	50		18.35			
10	QPSK	25	0		18.22		19.3	0.0
10	QPSK	25	14		18.45		19.3	0.0
10	QPSK	25	27		18.33		19.3	0.0
10	QPSK	50	0		18.32			
10	16QAM	1	1		18.29		19.3	0.0
10	64QAM	1	1		18.28		19.3	0.0
10	256QAM	1	1		18.48		19.3	0.0
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	18.47	18.47	18.43	19.3	0.0

n66 Ant 3 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	16.48	16.58	16.42	17.8	0.0
40	PI/2 BPSK	1	108	16.40	16.42	16.47		
40	PI/2 BPSK	1	214	16.29	16.35	16.32		
40	PI/2 BPSK	108	0	16.38	16.46	16.35	17.8	0.0
40	PI/2 BPSK	108	54	16.44	16.41	16.34	17.8	0.0
40	PI/2 BPSK	108	108	16.19	16.30	16.17	17.8	0.0
40	PI/2 BPSK	216	0	16.34	16.52	16.25		
40	QPSK	1	1	16.53	16.60	16.56	17.8	0.0
40	QPSK	1	108	16.50	16.48	16.25		
40	QPSK	1	214	16.29	16.43	16.40		
40	QPSK	108	0	16.41	16.48	16.23	17.8	0.0
40	QPSK	108	54	16.34	16.53	16.29	17.8	0.0
40	QPSK	108	108	16.42	16.37	16.33	17.8	0.0
40	QPSK	216	0	16.35	16.38	16.18		
40	16QAM	1	1	16.33	16.28	16.11	17.8	0.0
40	64QAM	1	1	16.44	16.45	16.35	17.8	0.0
40	256QAM	1	1	16.57	16.59	16.56	17.8	0.0
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	16.56	16.59	16.48	17.8	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	16.57	16.54	16.56	17.8	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	16.55	16.55	16.59	17.8	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	16.58	16.59	16.51	17.8	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	16.54	16.59	16.49	17.8	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	16.59	16.59	16.58	17.8	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	16.59	16.53	16.58	17.8	0.0

n70 Ant 3 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					340500			
Frequency (MHz)					1702.5			
15	PI/2 BPSK	1	1		17.29		18.3	0.0
15	PI/2 BPSK	1	40		17.19			
15	PI/2 BPSK	1	77		17.24			
15	PI/2 BPSK	36	0		17.38		18.3	0.0
15	PI/2 BPSK	36	22		17.16		18.3	0.0
15	PI/2 BPSK	36	43		17.18		18.3	0.0
15	PI/2 BPSK	75	0		17.13			
15	QPSK	1	1		17.45		18.3	0.0
15	QPSK	1	40		17.29			
15	QPSK	1	77		17.28			
15	QPSK	36	0		17.22		18.3	0.0
15	QPSK	36	22		17.42		18.3	0.0
15	QPSK	36	43		17.31		18.3	0.0
15	QPSK	75	0		17.32			
15	16QAM	1	1		17.18		18.3	0.0
15	64QAM	1	1		17.18		18.3	0.0
	256QAM	1	1		17.33		18.3	0.0
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	17.34	17.39	17.34	18.3	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	17.30	17.42	17.29	18.3	0.0

n41 HPUE Ant 3 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518998	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	14.53	14.60	14.55	16.1	0.0
100	PI/2 BPSK	1	137	14.50	14.56	14.48		
100	PI/2 BPSK	1	271	14.34	14.49	14.47		
100	PI/2 BPSK	135	0	14.48	14.49	14.45	16.1	0.0
100	PI/2 BPSK	135	69	14.61	14.43	14.41	16.1	0.0
100	PI/2 BPSK	135	138	14.26	14.49	14.29	16.1	0.0
100	PI/2 BPSK	270	0	14.45	14.57	14.36		
100	QPSK	1	1	14.74	14.75	14.59	16.1	0.0
100	QPSK	1	137	14.68	14.68	14.45		
100	QPSK	1	271	14.46	14.65	14.39		
100	QPSK	135	0	14.54	14.50	14.33	16.1	0.0
100	QPSK	135	69	14.44	14.67	14.39	16.1	0.0
100	QPSK	135	138	14.41	14.45	14.46	16.1	0.0
100	QPSK	270	0	14.33	14.64	14.32		
100	16QAM	1	1	14.60	14.70	14.61	16.1	0.0
100	64QAM	1	1	14.68	14.73	14.68	16.1	0.0
100	256QAM	1	1	14.34	14.50	14.42	16.1	0.0
Channel				508200	518998	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	14.67	14.73	14.58	16.1	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	14.65	14.67	14.54	16.1	0.0
Channel				506202	518998	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	14.67	14.74	14.57	16.1	0.0
Channel				505200	518998	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	14.66	14.71	14.52	16.1	0.0
Channel				504204	518998	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	14.69	14.68	14.59	16.1	0.0
Channel				503700	518998	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	14.66	14.73	14.58	16.1	0.0
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	14.67	14.74	14.53	16.1	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	14.74	14.68	14.53	16.1	0.0
Channel				502200	518998	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	14.73	14.72	14.50	16.1	0.0
Channel				501702	518998	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	14.72	14.71	14.62	16.1	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	14.71	14.74	14.52	16.1	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	14.73	14.74	14.51	16.1	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	14.69	14.73	14.58	16.1	0.0

n48 Part 96 Ant 3 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	14.23	14.23	14.12	15.3	0.0
40	PI/2 BPSK	1	53	14.12	14.09	14.08		
40	PI/2 BPSK	1	104	14.04	13.97	13.95		
40	PI/2 BPSK	50	0	13.99	14.06	14.10	15.3	0.0
40	PI/2 BPSK	50	28	14.08	14.00	14.02	15.3	0.0
40	PI/2 BPSK	50	56	13.75	14.13	13.80	15.3	0.0
40	PI/2 BPSK	100	0	14.03	14.09	13.84		
40	QPSK	1	1	14.23	14.36	14.14	15.3	0.0
40	QPSK	1	53	14.17	14.12	14.03		
40	QPSK	1	104	14.11	14.11	13.98		
40	QPSK	50	0	14.04	14.05	13.94	15.3	0.0
40	QPSK	50	28	14.08	14.25	13.97	15.3	0.0
40	QPSK	50	56	13.98	14.06	13.97	15.3	0.0
40	QPSK	100	0	13.98	14.18	13.92		
40	16QAM	1	1	13.99	13.96	13.88	15.3	0.0
40	64QAM	1	1	14.09	14.09	14.03	15.3	0.0
40	256QAM	1	1	14.20	14.31	14.25	15.3	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	14.28	14.31	14.09	15.3	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	14.25	14.30	14.06	15.3	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	14.22	14.30	14.17	15.3	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	14.23	14.33	14.11	15.3	0.0

Part27O n77 HPUE Ant 3 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	12.03	12.29	12.12	13.8	0.0
100	PI/2 BPSK	1	137	12.15	12.01	12.07		
100	PI/2 BPSK	1	271	11.93	12.06	11.97		
100	PI/2 BPSK	135	0	11.99	12.09	11.99	13.8	0.0
100	PI/2 BPSK	135	69	12.00	12.14	11.99	13.8	0.0
100	PI/2 BPSK	135	138	11.88	11.99	11.88	13.8	0.0
100	PI/2 BPSK	270	0	12.06	12.15	11.97		
100	QPSK	1	1	12.27	12.34	12.13	13.8	0.0
100	QPSK	1	137	12.22	12.09	11.98		
100	QPSK	1	271	11.89	12.20	11.99		
100	QPSK	135	0	12.02	12.21	11.86	13.8	0.0
100	QPSK	135	69	12.14	12.27	11.95	13.8	0.0
100	QPSK	135	138	12.01	12.02	11.96	13.8	0.0
100	QPSK	270	0	12.04	12.10	11.81		
100	16QAM	1	1	11.93	11.97	11.87	13.8	0.0
100	64QAM	1	1	12.04	12.13	11.94	13.8	0.0
100	256QAM	1	1	12.08	12.20	12.20	13.8	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	12.19	12.30	12.07	13.8	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	12.24	12.30	12.14	13.8	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	12.26	12.26	12.09	13.8	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	12.26	12.29	12.13	13.8	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	12.18	12.30	12.14	13.8	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	12.19	12.28	12.15	13.8	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	12.27	12.29	12.07	13.8	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	12.29	12.30	12.06	13.8	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	12.29	12.32	12.09	13.8	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	12.30	12.30	12.08	13.8	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	12.28	12.33	12.09	13.8	0.0

Part27Q n77 HPUE Ant 3 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		12.23		13.8	0.0
100	PI/2 BPSK	1	137		12.17			
100	PI/2 BPSK	1	271		12.05			
100	PI/2 BPSK	135	0		12.17		13.8	0.0
100	PI/2 BPSK	135	69		12.10		13.8	0.0
100	PI/2 BPSK	135	138		12.14		13.8	0.0
100	PI/2 BPSK	270	0		12.30			
100	QPSK	1	1		12.36		13.8	0.0
100	QPSK	1	137		12.24			
100	QPSK	1	271		12.20			
100	QPSK	135	0		12.17		13.8	0.0
100	QPSK	135	69		12.33		13.8	0.0
100	QPSK	135	138		12.11		13.8	0.0
100	QPSK	270	0		12.23			
100	16QAM	1	1		11.90		13.8	0.0
100	64QAM	1	1		11.95		13.8	0.0
100	256QAM	1	1		12.02		13.8	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3498	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	12.16	12.25	12.18	13.8	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	12.09	12.15	12.09	13.8	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	12.07	12.24	12.19	13.8	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	12.16	12.14	12.17	13.8	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	12.15	12.16	12.14	13.8	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	12.09	12.21	12.11	13.8	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	12.13	12.24	12.09	13.8	0.0
Channel				630834	633334	635834	Tune-up limit	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	(dBm)	(dB)
25	QPSK	1	1	12.09	12.20	12.17	13.8	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	12.07	12.25	12.07	13.8	0.0
Channel				630500	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	1	12.16	12.25	12.16	13.8	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	1	12.12	12.17	12.18	13.8	0.0

Part27O n78 HPUE Ant 3 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		12.06		13.8	0.0
100	PI/2 BPSK	1	137		11.95			
100	PI/2 BPSK	1	271		11.99			
100	PI/2 BPSK	135	0		11.98		13.8	0.0
100	PI/2 BPSK	135	69		11.99		13.8	0.0
100	PI/2 BPSK	135	138		11.87		13.8	0.0
100	PI/2 BPSK	270	0		11.92			
100	QPSK	1	1		12.17		13.8	0.0
100	QPSK	1	137		11.87			
100	QPSK	1	271		12.03			
100	QPSK	135	0		12.03		13.8	0.0
100	QPSK	135	69		12.14		13.8	0.0
100	QPSK	135	138		11.88		13.8	0.0
100	QPSK	270	0		12.00			
100	16QAM	1	1		11.81		13.8	0.0
100	64QAM	1	1		11.90		13.8	0.0
100	256QAM	1	1		11.95		13.8	0.0
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	11.96	12.02	11.93	13.8	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	11.89	11.99	11.89	13.8	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	11.95	11.97	11.92	13.8	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	11.88	12.00	11.91	13.8	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	11.88	11.98	11.93	13.8	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	11.91	11.95	11.88	13.8	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	11.90	12.04	11.92	13.8	0.0
Channel				647500	650000	652500	Tune-up limit	MPR
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)
25	QPSK	1	1	11.94	11.93	11.95	13.8	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	11.92	11.95	11.95	13.8	0.0
Channel				647168	650000	652834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	1	11.99	12.04	11.97	13.8	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	11.92	11.95	11.92	13.8	0.0

Part27Q n78 HPUE Ant 3 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		12.09		13.8	0.0
100	PI/2 BPSK	1	137		12.07			
100	PI/2 BPSK	1	271		11.94			
100	PI/2 BPSK	135	0		11.97		13.8	0.0
100	PI/2 BPSK	135	69		11.91		13.8	0.0
100	PI/2 BPSK	135	138		11.93		13.8	0.0
100	PI/2 BPSK	270	0		12.11			
100	QPSK	1	1		12.16		13.8	0.0
100	QPSK	1	137		11.96			
100	QPSK	1	271		12.06			
100	QPSK	135	0		11.95		13.8	0.0
100	QPSK	135	69		12.03		13.8	0.0
100	QPSK	135	138		11.88		13.8	0.0
100	QPSK	270	0		12.02			
100	16QAM	1	1		11.95		13.8	0.0
100	64QAM	1	1		11.90		13.8	0.0
100	256QAM	1	1		11.97		13.8	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	12.00	12.08	11.95	13.8	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	12.03	12.10	12.00	13.8	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	12.02	12.12	11.93	13.8	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	12.09	12.12	12.02	13.8	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	12.04	12.08	11.94	13.8	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	12.09	12.14	12.02	13.8	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	12.08	12.11	11.98	13.8	0.0
Channel				630834	633334	635834	Tune-up limit	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	(dBm)	(dB)
25	QPSK	1	1	12.07	12.11	11.98	13.8	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	12.06	12.03	11.92	13.8	0.0
Channel				630500	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	1	12.08	12.05	11.95	13.8	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	1	12.04	12.05	11.93	13.8	0.0

n48 Part 96 Ant 4 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	12.77	12.88	12.77	14.5	0.0
40	PI/2 BPSK	1	53	12.71	12.80	12.74		
40	PI/2 BPSK	1	104	12.62	12.65	12.62		
40	PI/2 BPSK	50	0	12.69	12.73	12.64	14.5	0.0
40	PI/2 BPSK	50	28	12.83	12.71	12.63	14.5	0.0
40	PI/2 BPSK	50	56	12.63	12.64	12.65	14.5	0.0
40	PI/2 BPSK	100	0	12.62	12.77	12.55		
40	QPSK	1	1	12.90	12.99	12.89	14.5	0.0
40	QPSK	1	53	12.83	12.78	12.70		
40	QPSK	1	104	12.76	12.72	12.66		
40	QPSK	50	0	12.69	12.75	12.51	14.5	0.0
40	QPSK	50	28	12.71	12.94	12.63	14.5	0.0
40	QPSK	50	56	12.72	12.77	12.72	14.5	0.0
40	QPSK	100	0	12.71	12.74	12.60		
40	16QAM	1	1	12.58	12.55	12.55	14.5	0.0
40	64QAM	1	1	12.82	12.82	12.60	14.5	0.0
40	256QAM	1	1	12.89	12.95	12.94	14.5	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	12.90	12.98	12.90	14.5	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	12.88	12.91	12.89	14.5	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	12.87	12.95	12.88	14.5	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	12.83	12.93	12.85	14.5	0.0

Part27O n77 HPUE Ant 4 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	12.88	12.92	12.92	13.8	0.0
100	PI/2 BPSK	1	137	12.70	12.78	12.79		
100	PI/2 BPSK	1	271	12.70	12.74	12.69		
100	PI/2 BPSK	135	0	12.71	12.84	12.68	13.8	0.0
100	PI/2 BPSK	135	69	12.80	12.77	12.73	13.8	0.0
100	PI/2 BPSK	135	138	12.68	12.73	12.69	13.8	0.0
100	PI/2 BPSK	270	0	12.62	12.92	12.65		
100	QPSK	1	1	13.03	13.11	12.95	13.8	0.0
100	QPSK	1	137	12.91	12.87	12.73		
100	QPSK	1	271	12.71	12.92	12.74		
100	QPSK	135	0	12.71	12.78	12.69	13.8	0.0
100	QPSK	135	69	12.68	12.98	12.74	13.8	0.0
100	QPSK	135	138	12.80	12.84	12.80	13.8	0.0
100	QPSK	270	0	12.73	12.89	12.74		
100	16QAM	1	1	12.64	12.68	12.70	13.8	0.0
100	64QAM	1	1	12.82	12.85	12.74	13.8	0.0
100	256QAM	1	1	12.97	12.95	13.05	13.8	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	12.85	12.81	12.76	13.8	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	12.84	12.82	12.76	13.8	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	12.88	12.84	12.74	13.8	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	12.81	12.81	12.75	13.8	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	12.83	12.79	12.79	13.8	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	12.84	12.81	12.73	13.8	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	12.82	12.84	12.76	13.8	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	12.86	12.86	12.76	13.8	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	12.80	12.87	12.73	13.8	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	12.87	12.86	12.81	13.8	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	12.79	12.88	12.79	13.8	0.0

Part27Q n77 HPUE Ant 4 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		12.93		13.8	0.0
100	PI/2 BPSK	1	137		12.94			
100	PI/2 BPSK	1	271		12.69			
100	PI/2 BPSK	135	0		12.81		13.8	0.0
100	PI/2 BPSK	135	69		12.86		13.8	0.0
100	PI/2 BPSK	135	138		12.68		13.8	0.0
100	PI/2 BPSK	270	0		12.92			
100	QPSK	1	1		13.13		13.8	0.0
100	QPSK	1	137		12.95			
100	QPSK	1	271		12.95			
100	QPSK	135	0		12.84		13.8	0.0
100	QPSK	135	69		12.93		13.8	0.0
100	QPSK	135	138		12.76		13.8	0.0
100	QPSK	270	0		12.82			
100	16QAM	1	1		12.66		13.8	0.0
100	64QAM	1	1		12.69		13.8	0.0
100	256QAM	1	1		12.97		13.8	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	13.01	12.99	12.95	13.8	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	13.02	12.96	12.86	13.8	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	12.96	12.91	12.92	13.8	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	12.90	12.99	12.96	13.8	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	13.00	12.98	12.94	13.8	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.97	12.98	12.92	13.8	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	12.96	12.98	12.85	13.8	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	12.92	12.93	12.86	13.8	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.96	12.93	12.87	13.8	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	12.96	12.99	12.88	13.8	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	13.00	12.93	12.88	13.8	0.0

Part27O n78 HPUE Ant 4 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		12.81		13.8	0.0
100	PI/2 BPSK	1	137		12.80			
100	PI/2 BPSK	1	271		12.57			
100	PI/2 BPSK	135	0		12.74		13.8	0.0
100	PI/2 BPSK	135	69		12.66		13.8	0.0
100	PI/2 BPSK	135	138		12.68		13.8	0.0
100	PI/2 BPSK	270	0		12.81			
100	QPSK	1	1		12.92		13.8	0.0
100	QPSK	1	137		12.77			
100	QPSK	1	271		12.81			
100	QPSK	135	0		12.72		13.8	0.0
100	QPSK	135	69		12.90		13.8	0.0
100	QPSK	135	138		12.70		13.8	0.0
100	QPSK	270	0		12.80			
100	16QAM	1	1		12.55		13.8	0.0
100	64QAM	1	1		12.66		13.8	0.0
100	256QAM	1	1		12.89		13.8	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	12.63	12.71	12.71	13.8	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	12.63	12.76	12.70	13.8	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	12.61	12.70	12.70	13.8	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	12.66	12.68	12.71	13.8	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	12.62	12.66	12.61	13.8	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	12.71	12.65	12.64	13.8	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	12.60	12.77	12.70	13.8	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	12.61	12.75	12.71	13.8	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	12.68	12.66	12.61	13.8	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	12.70	12.71	12.64	13.8	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	12.62	12.67	12.66	13.8	0.0

Part27Q n78 HPUE Ant 4 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		13.11		13.8	0.0
100	PI/2 BPSK	1	137		13.09			
100	PI/2 BPSK	1	271		12.81			
100	PI/2 BPSK	135	0		13.02		13.8	0.0
100	PI/2 BPSK	135	69		12.90		13.8	0.0
100	PI/2 BPSK	135	138		12.81		13.8	0.0
100	PI/2 BPSK	270	0		12.93			
100	QPSK	1	1		13.12		13.8	0.0
100	QPSK	1	137		12.96			
100	QPSK	1	271		13.10			
100	QPSK	135	0		12.88		13.8	0.0
100	QPSK	135	69		13.10		13.8	0.0
100	QPSK	135	138		13.04		13.8	0.0
100	QPSK	270	0		12.95			
100	16QAM	1	1		12.52		13.8	0.0
100	64QAM	1	1		12.73		13.8	0.0
100	256QAM	1	1		13.10		13.8	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	13.09	13.00	12.94	13.8	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	13.07	13.00	13.03	13.8	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	13.08	13.05	12.92	13.8	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	13.04	13.06	12.98	13.8	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	13.07	13.05	13.01	13.8	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	13.05	13.07	13.02	13.8	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	13.04	12.96	12.99	13.8	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	13.05	12.96	13.00	13.8	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	13.08	13.05	12.99	13.8	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	13.08	13.02	12.93	13.8	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	13.10	13.03	12.95	13.8	0.0

n48 Part 96 Ant 6 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	15.00	14.95	15.01	16.3	0.0
40	PI/2 BPSK	1	53	15.00	14.90	14.92		
40	PI/2 BPSK	1	104	14.79	14.86	14.79		
40	PI/2 BPSK	50	0	14.82	14.95	14.81	16.3	0.0
40	PI/2 BPSK	50	28	14.92	14.90	14.79	16.3	0.0
40	PI/2 BPSK	50	56	14.55	14.82	14.70	16.3	0.0
40	PI/2 BPSK	100	0	14.92	14.95	14.83		
40	QPSK	1	1	15.10	15.19	15.14	16.3	0.0
40	QPSK	1	53	14.99	14.98	14.74		
40	QPSK	1	104	14.81	14.98	14.89		
40	QPSK	50	0	14.88	14.97	14.71	16.3	0.0
40	QPSK	50	28	14.90	15.10	14.79	16.3	0.0
40	QPSK	50	56	14.82	14.97	14.93	16.3	0.0
40	QPSK	100	0	14.77	15.03	14.74		
40	16QAM	1	1	14.86	14.90	14.63	16.3	0.0
40	64QAM	1	1	14.90	14.95	14.89	16.3	0.0
40	256QAM	1	1	15.03	15.06	15.01	16.3	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	15.11	15.17	15.08	16.3	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	15.02	15.16	15.08	16.3	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	15.09	15.19	15.10	16.3	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	15.12	15.15	15.08	16.3	0.0

Part27O n77 HPUE Ant 6 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	12.87	12.94	12.85	14.4	0.0
100	PI/2 BPSK	1	137	12.83	12.88	12.77		
100	PI/2 BPSK	1	271	12.78	12.74	12.70		
100	PI/2 BPSK	135	0	12.66	12.79	12.71	14.4	0.0
100	PI/2 BPSK	135	69	12.77	12.83	12.69	14.4	0.0
100	PI/2 BPSK	135	138	12.51	12.72	12.63	14.4	0.0
100	PI/2 BPSK	270	0	12.71	12.83	12.64		
100	QPSK	1	1	12.99	13.02	12.88	14.4	0.0
100	QPSK	1	137	12.90	12.90	12.69		
100	QPSK	1	271	12.66	12.87	12.72		
100	QPSK	135	0	12.76	12.77	12.55	14.4	0.0
100	QPSK	135	69	12.79	12.99	12.63	14.4	0.0
100	QPSK	135	138	12.81	12.72	12.63	14.4	0.0
100	QPSK	270	0	12.73	12.89	12.51		
100	16QAM	1	1	12.66	12.81	12.46	14.4	0.0
100	64QAM	1	1	12.89	12.88	12.83	14.4	0.0
100	256QAM	1	1	12.89	12.99	12.85	14.4	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	12.86	12.96	12.86	14.4	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	12.99	13.00	12.90	14.4	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	12.95	12.99	12.83	14.4	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	13.00	13.00	12.88	14.4	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	12.97	12.97	12.85	14.4	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	12.99	13.00	12.85	14.4	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	12.98	13.00	12.89	14.4	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	12.94	12.97	12.87	14.4	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	12.93	12.99	12.87	14.4	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	12.91	12.97	12.80	14.4	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	12.95	12.97	12.80	14.4	0.0

Part27Q n77 HPUE Ant 6 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		13.13		14.4	0.0
100	PI/2 BPSK	1	137		13.11			
100	PI/2 BPSK	1	271		12.87			
100	PI/2 BPSK	135	0		12.99		14.4	0.0
100	PI/2 BPSK	135	69		12.94		14.4	0.0
100	PI/2 BPSK	135	138		12.92		14.4	0.0
100	PI/2 BPSK	270	0		13.05			
100	QPSK	1	1		13.26		14.4	0.0
100	QPSK	1	137		13.10			
100	QPSK	1	271		13.15			
100	QPSK	135	0		13.08		14.4	0.0
100	QPSK	135	69		13.25		14.4	0.0
100	QPSK	135	138		13.03		14.4	0.0
100	QPSK	270	0		13.19			
100	16QAM	1	1		13.09		14.4	0.0
100	64QAM	1	1		13.16		14.4	0.0
100	256QAM	1	1		12.90		14.4	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	13.04	13.22	13.08	14.4	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	13.05	13.12	13.05	14.4	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	13.08	13.16	13.06	14.4	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	13.12	13.18	13.07	14.4	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	13.09	13.17	13.01	14.4	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	13.13	13.21	13.01	14.4	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	13.07	13.22	13.00	14.4	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	13.05	13.13	13.06	14.4	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	13.13	13.21	13.02	14.4	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	13.10	13.18	13.04	14.4	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	13.10	13.12	13.10	14.4	0.0

Part27O n78 HPUE Ant 6 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		12.81		14.4	0.0
100	PI/2 BPSK	1	137		12.80			
100	PI/2 BPSK	1	271		12.61			
100	PI/2 BPSK	135	0		12.70		14.4	0.0
100	PI/2 BPSK	135	69		12.46		14.4	0.0
100	PI/2 BPSK	135	138		12.53		14.4	0.0
100	PI/2 BPSK	270	0		12.67			
100	QPSK	1	1		13.00		14.4	0.0
100	QPSK	1	137		12.71			
100	QPSK	1	271		12.75			
100	QPSK	135	0		12.63		14.4	0.0
100	QPSK	135	69		12.82		14.4	0.0
100	QPSK	135	138		12.77		14.4	0.0
100	QPSK	270	0		12.91			
100	16QAM	1	1		12.95		14.4	0.0
100	64QAM	1	1		12.98		14.4	0.0
100	256QAM	1	1		12.82		14.4	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	12.73	12.78	12.60	14.4	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	12.76	12.77	12.68	14.4	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	12.68	12.74	12.63	14.4	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	12.76	12.76	12.67	14.4	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	12.75	12.76	12.65	14.4	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	12.76	12.70	12.66	14.4	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	12.72	12.72	12.63	14.4	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	12.71	12.74	12.59	14.4	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	12.75	12.73	12.59	14.4	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	12.74	12.75	12.63	14.4	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	12.66	12.73	12.68	14.4	0.0

Part27Q n78 HPUE Ant 6 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		13.06		14.4	0.0
100	PI/2 BPSK	1	137		13.06			
100	PI/2 BPSK	1	271		12.74			
100	PI/2 BPSK	135	0		13.02		14.4	0.0
100	PI/2 BPSK	135	69		12.86		14.4	0.0
100	PI/2 BPSK	135	138		12.96		14.4	0.0
100	PI/2 BPSK	270	0		12.93			
100	QPSK	1	1		13.20		14.4	0.0
100	QPSK	1	137		13.02			
100	QPSK	1	271		13.07			
100	QPSK	135	0		12.85		14.4	0.0
100	QPSK	135	69		13.08		14.4	0.0
100	QPSK	135	138		13.04		14.4	0.0
100	QPSK	270	0		13.01			
100	16QAM	1	1		13.11		14.4	0.0
100	64QAM	1	1		12.96		14.4	0.0
100	256QAM	1	1		12.98		14.4	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	12.95	13.14	12.96	14.4	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	13.02	13.04	12.95	14.4	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	12.98	13.08	12.91	14.4	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	13.00	13.11	12.95	14.4	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	12.97	13.12	12.97	14.4	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.94	13.06	12.97	14.4	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	12.93	13.11	12.95	14.4	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	12.96	13.03	12.89	14.4	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.99	13.15	12.91	14.4	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	12.93	13.14	12.92	14.4	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	12.95	13.12	12.92	14.4	0.0

n48 Part 96 Ant 8 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	14.70	14.84	14.76	16.0	0.0
40	PI/2 BPSK	1	53	14.69	14.66	14.75		
40	PI/2 BPSK	1	104	14.51	14.57	14.53		
40	PI/2 BPSK	50	0	14.58	14.71	14.52	16.0	0.0
40	PI/2 BPSK	50	28	14.75	14.67	14.67	16.0	0.0
40	PI/2 BPSK	50	56	14.31	14.58	14.35	16.0	0.0
40	PI/2 BPSK	100	0	14.66	14.66	14.43		
40	QPSK	1	1	14.78	14.93	14.68	16.0	0.0
40	QPSK	1	53	14.81	14.78	14.50		
40	QPSK	1	104	14.59	14.74	14.60		
40	QPSK	50	0	14.64	14.64	14.51	16.0	0.0
40	QPSK	50	28	14.64	14.77	14.53	16.0	0.0
40	QPSK	50	56	14.60	14.65	14.60	16.0	0.0
40	QPSK	100	0	14.44	14.63	14.51		
40	16QAM	1	1	14.51	14.55	14.55	16.0	0.0
40	64QAM	1	1	14.91	14.92	14.90	16.0	0.0
40	256QAM	1	1	14.83	14.85	14.80	16.0	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	14.76	14.91	14.68	16.0	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	14.76	14.87	14.68	16.0	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	14.74	14.90	14.69	16.0	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	14.69	14.86	14.62	16.0	0.0

Part27O n77 HPUE Ant 8 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	12.85	12.92	12.83	14.0	0.0
100	PI/2 BPSK	1	137	12.72	12.81	12.68		
100	PI/2 BPSK	1	271	12.72	12.82	12.60		
100	PI/2 BPSK	135	0	12.74	12.81	12.67	14.0	0.0
100	PI/2 BPSK	135	69	12.69	12.80	12.71	14.0	0.0
100	PI/2 BPSK	135	138	12.50	12.75	12.59	14.0	0.0
100	PI/2 BPSK	270	0	12.70	12.82	12.65		
100	QPSK	1	1	12.92	13.00	12.85	14.0	0.0
100	QPSK	1	137	12.85	12.85	12.67		
100	QPSK	1	271	12.75	12.93	12.70		
100	QPSK	135	0	12.64	12.71	12.64	14.0	0.0
100	QPSK	135	69	12.91	12.95	12.87	14.0	0.0
100	QPSK	135	138	12.70	12.80	12.70	14.0	0.0
100	QPSK	270	0	12.69	12.72	12.58		
100	16QAM	1	1	12.73	12.67	12.60	14.0	0.0
100	64QAM	1	1	12.87	12.80	12.68	14.0	0.0
100	256QAM	1	1	12.77	12.81	12.77	14.0	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	12.89	12.92	12.87	14.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	12.90	12.98	12.78	14.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	12.92	12.91	12.87	14.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	12.91	12.99	12.87	14.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	12.86	12.93	12.77	14.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	12.93	12.99	12.78	14.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	12.93	12.94	12.84	14.0	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	12.89	12.94	12.86	14.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	12.92	12.97	12.85	14.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	12.95	12.99	12.87	14.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	12.92	12.92	12.76	14.0	0.0

Part27Q n77 HPUE Ant 8 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		13.12		14.0	0.0
100	PI/2 BPSK	1	137		13.10			
100	PI/2 BPSK	1	271		12.82			
100	PI/2 BPSK	135	0		13.07		14.0	0.0
100	PI/2 BPSK	135	69		12.98		14.0	0.0
100	PI/2 BPSK	135	138		12.82		14.0	0.0
100	PI/2 BPSK	270	0		13.08			
100	QPSK	1	1		13.27		14.0	0.0
100	QPSK	1	137		12.98			
100	QPSK	1	271		13.12			
100	QPSK	135	0		13.00		14.0	0.0
100	QPSK	135	69		13.21		14.0	0.0
100	QPSK	135	138		12.96		14.0	0.0
100	QPSK	270	0		13.12			
100	16QAM	1	1		13.22		14.0	0.0
100	64QAM	1	1		13.17		14.0	0.0
100	256QAM	1	1		12.99		14.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	13.08	13.18	13.03	14.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	13.17	13.12	13.09	14.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	13.09	13.22	13.04	14.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	13.13	13.16	13.07	14.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	13.09	13.14	13.05	14.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	13.12	13.13	13.03	14.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	13.05	13.12	13.08	14.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	13.10	13.15	13.06	14.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	13.05	13.15	13.10	14.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	13.11	13.23	13.04	14.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	13.08	13.16	13.11	14.0	0.0

Part27O n78 HPUE Ant 8 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		12.80		14.0	0.0
100	PI/2 BPSK	1	137		12.70			
100	PI/2 BPSK	1	271		12.53			
100	PI/2 BPSK	135	0		12.51		14.0	0.0
100	PI/2 BPSK	135	69		12.68		14.0	0.0
100	PI/2 BPSK	135	138		12.46		14.0	0.0
100	PI/2 BPSK	270	0		12.70			
100	QPSK	1	1		12.81		14.0	0.0
100	QPSK	1	137		12.80			
100	QPSK	1	271		12.72			
100	QPSK	135	0		12.64		14.0	0.0
100	QPSK	135	69		12.74		14.0	0.0
100	QPSK	135	138		12.68		14.0	0.0
100	QPSK	270	0		12.55			
100	16QAM	1	1		12.78		14.0	0.0
100	64QAM	1	1		12.80		14.0	0.0
100	256QAM	1	1		12.72		14.0	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	12.61	12.75	12.56	14.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	12.59	12.69	12.56	14.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	12.67	12.76	12.62	14.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	12.64	12.67	12.61	14.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	12.66	12.71	12.56	14.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	12.60	12.66	12.58	14.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	12.66	12.73	12.59	14.0	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	12.65	12.71	12.54	14.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	12.66	12.67	12.58	14.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	12.64	12.70	12.55	14.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	12.60	12.66	12.64	14.0	0.0

Part27Q n78 HPUE Ant 8 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		13.00		14.0	0.0
100	PI/2 BPSK	1	137		13.01			
100	PI/2 BPSK	1	271		12.83			
100	PI/2 BPSK	135	0		12.93		14.0	0.0
100	PI/2 BPSK	135	69		12.86		14.0	0.0
100	PI/2 BPSK	135	138		12.79		14.0	0.0
100	PI/2 BPSK	270	0		13.13			
100	QPSK	1	1		13.17		14.0	0.0
100	QPSK	1	137		13.03			
100	QPSK	1	271		13.11			
100	QPSK	135	0		12.97		14.0	0.0
100	QPSK	135	69		13.10		14.0	0.0
100	QPSK	135	138		13.09		14.0	0.0
100	QPSK	270	0		13.12			
100	16QAM	1	1		13.15		14.0	0.0
100	64QAM	1	1		13.13		14.0	0.0
100	256QAM	1	1		13.07		14.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	13.08	13.12	13.05	14.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	13.04	13.15	13.01	14.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	13.03	13.10	13.06	14.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	13.06	13.07	13.01	14.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	13.03	13.09	13.01	14.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	13.11	13.15	13.07	14.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	13.08	13.14	13.06	14.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	13.09	13.07	13.02	14.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	13.09	13.14	13.08	14.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	13.01	13.13	13.07	14.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	12.99	13.13	13.08	14.0	0.0

Reduced Power Mode for ECI10

n2 Ant 0 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PI/2 BPSK	1	1	18.42	18.51	18.38	20.3	0.0
40	PI/2 BPSK	1	108	18.34	18.49	18.42		
40	PI/2 BPSK	1	214	18.34	18.47	18.33		
40	PI/2 BPSK	108	0	18.37	18.43	18.32	20.3	0.0
40	PI/2 BPSK	108	54	18.39	18.50	18.35	20.3	0.0
40	PI/2 BPSK	108	108	18.32	18.37	18.31	20.3	0.0
40	PI/2 BPSK	216	0	18.34	18.40	18.34		
40	QPSK	1	1	18.52	18.59	18.39	20.3	0.0
40	QPSK	1	108	18.42	18.52	18.44		
40	QPSK	1	214	18.34	18.48	18.46		
40	QPSK	108	0	18.31	18.43	18.38	20.3	0.0
40	QPSK	108	54	18.44	18.49	18.37	20.3	0.0
40	QPSK	108	108	18.34	18.37	18.36	20.3	0.0
40	QPSK	216	0	18.41	18.44	18.34		
40	16QAM	1	1	18.31	18.34	18.35	20.3	0.0
40	64QAM	1	1	18.32	18.33	18.32	20.3	0.0
40	256QAM	1	1	18.34	18.31	18.32	19.5	0.0
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	18.40	18.50	18.32	20.3	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	18.34	18.50	18.33	20.3	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	18.38	18.44	18.35	20.3	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	18.38	18.43	18.31	20.3	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	18.41	18.51	18.37	20.3	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	18.34	18.43	18.37	20.3	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	18.41	18.50	18.37	20.3	0.0

n5 Ant 0 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	21.60	21.72	21.56	23.1	0.0
20	PI/2 BPSK	1	53	21.56	21.53	21.64		
20	PI/2 BPSK	1	104	21.65	21.66	21.49		
20	PI/2 BPSK	50	0	21.58	21.65	21.56	23.1	0.0
20	PI/2 BPSK	50	28	21.56	21.61	21.62	23.1	0.0
20	PI/2 BPSK	50	56	21.32	21.50	21.42	23.1	0.0
20	PI/2 BPSK	100	0	21.55	21.68	21.43		
20	QPSK	1	1	21.78	21.79	21.69	23.1	0.0
20	QPSK	1	53	21.71	21.72	21.44		
20	QPSK	1	104	21.65	21.71	21.61		
20	QPSK	50	0	21.62	21.57	21.41	23.0	0.1
20	QPSK	50	28	21.63	21.71	21.57	23.1	0.0
20	QPSK	50	56	21.51	21.61	21.45	23.0	0.1
20	QPSK	100	0	21.59	21.66	21.34		
20	16QAM	1	1	21.49	21.57	21.41	23.0	0.1
20	64QAM	1	1	20.73	20.76	20.54	21.5	1.6
20	256QAM	1	1	19.29	19.36	19.34	19.5	3.6
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	21.62	21.73	21.63	23.1	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	21.62	21.75	21.62	23.1	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	21.60	21.70	21.63	23.1	0.0

n7 Ant 0 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	18.65	18.76	18.65	20.0	0.0
50	PI/2 BPSK	1	135	18.53	18.67	18.68		
50	PI/2 BPSK	1	268	18.64	18.54	18.59		
50	PI/2 BPSK	135	0	18.54	18.58	18.56	20.0	0.0
50	PI/2 BPSK	135	68	18.67	18.69	18.52	20.0	0.0
50	PI/2 BPSK	135	135	18.47	18.54	18.40	20.0	0.0
50	PI/2 BPSK	270	0	18.59	18.64	18.43		
50	QPSK	1	1	18.75	18.87	18.66	20.0	0.0
50	QPSK	1	135	18.75	18.74	18.62		
50	QPSK	1	268	18.56	18.71	18.58		
50	QPSK	135	0	18.60	18.68	18.50	20.0	0.0
50	QPSK	135	68	18.63	18.75	18.58	20.0	0.0
50	QPSK	135	135	18.60	18.55	18.48	20.0	0.0
50	QPSK	270	0	18.57	18.69	18.47		
50	16QAM	1	1	18.27	18.40	18.30	20.0	0.0
50	64QAM	1	1	18.44	18.57	18.43	20.0	0.0
50	256QAM	1	1	18.59	18.62	18.42	19.5	0.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	18.62	18.81	18.55	20.0	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	18.66	18.76	18.60	0.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	18.68	18.83	18.63	20.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	18.68	18.77	18.57	20.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	18.69	18.76	18.59	20.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	18.68	18.75	18.55	20.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	18.62	18.84	18.52	20.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	18.66	18.80	18.53	20.0	0.0

n12 Ant 0 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	22.10	22.22	22.04	23.3	0.0
15	PI/2 BPSK	1	40	22.04	22.03	22.08		
15	PI/2 BPSK	1	77	22.07	22.05	21.96		
15	PI/2 BPSK	36	0	21.91	22.00	22.05	23.3	0.0
15	PI/2 BPSK	36	22	22.08	22.12	21.92	23.3	0.0
15	PI/2 BPSK	36	43	21.83	21.95	21.91		
15	PI/2 BPSK	75	0	22.05	22.06	21.87	23.3	0.0
15	QPSK	1	1	22.09	22.31	22.10		
15	QPSK	1	40	22.18	22.21	21.95	23.3	0.0
15	QPSK	1	77	22.04	22.14	22.04		
15	QPSK	36	0	22.00	22.05	21.84	23.0	0.3
15	QPSK	36	22	22.06	22.22	22.02	23.3	0.0
15	QPSK	36	43	22.00	22.05	21.94	23.0	0.3
15	QPSK	75	0	22.01	22.11	21.85		
15	16QAM	1	1	21.94	21.98	21.85	23.0	0.3
15	64QAM	1	1	20.61	20.67	20.54	21.5	1.8
	256QAM	1	1	19.17	19.31	19.26	19.5	3.8
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	22.05	22.15	22.02	23.3	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	22.08	22.20	22.03	23.3	0.0

n14 Ant 0 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					158600			
Frequency (MHz)					793			
10	PI/2 BPSK	1	1		22.56		23.8	0.0
10	PI/2 BPSK	1	26		22.31			
10	PI/2 BPSK	1	50		22.43			
10	PI/2 BPSK	25	0		22.34		23.5	0.3
10	PI/2 BPSK	25	14		22.40		23.8	0.0
10	PI/2 BPSK	25	27		22.27		23.5	0.3
10	PI/2 BPSK	50	0		22.37			
10	QPSK	1	1		22.60		23.8	0.0
10	QPSK	1	26		22.46			
10	QPSK	1	50		22.41			
10	QPSK	25	0		22.40		23.0	0.8
10	QPSK	25	14		22.52		23.8	0.0
10	QPSK	25	27		22.40		23.0	0.8
10	QPSK	50	0		22.44			
10	16QAM	1	1		22.39		23.0	0.8
10	64QAM	1	1		21.04		21.5	2.3
10	256QAM	1	1		19.33		19.5	4.3
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	22.45	22.48	22.36	23.8	0.0

n25 Ant 0 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	18.64	18.64	18.45	20.3	0.0
40	PI/2 BPSK	1	108	18.53	18.61	18.66		
40	PI/2 BPSK	1	214	18.51	18.64	18.46		
40	PI/2 BPSK	108	0	18.51	18.53	18.59	20.3	0.0
40	PI/2 BPSK	108	54	18.55	18.65	18.54	20.3	0.0
40	PI/2 BPSK	108	108	18.33	18.42	18.49	20.3	0.0
40	PI/2 BPSK	216	0	18.51	18.61	18.40		
40	QPSK	1	1	18.70	18.78	18.57	20.3	0.0
40	QPSK	1	108	18.64	18.68	18.58		
40	QPSK	1	214	18.59	18.62	18.47		
40	QPSK	108	0	18.47	18.56	18.37	20.3	0.0
40	QPSK	108	54	18.48	18.77	18.52	20.3	0.0
40	QPSK	108	108	18.49	18.66	18.53	20.3	0.0
40	QPSK	216	0	18.54	18.62	18.40		
40	16QAM	1	1	18.42	18.45	18.45	20.3	0.0
40	64QAM	1	1	18.58	18.67	18.55	20.3	0.0
40	256QAM	1	1	18.65	18.71	18.70	19.5	0.8
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1	18.62	18.70	18.64	20.3	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	18.64	18.69	18.49	20.3	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	18.66	18.75	18.58	20.3	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	18.63	18.72	18.57	20.3	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	18.68	18.69	18.50	20.3	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	18.64	18.70	18.55	20.3	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	18.66	18.70	18.60	20.3	0.0

n26 Ant 0 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	21.68	21.84	21.80	23.1	0.0
20	PI/2 BPSK	1	53	21.67	21.77	21.71		
20	PI/2 BPSK	1	104	21.65	21.68	21.69		
20	PI/2 BPSK	50	0	21.71	21.73	21.60	23.1	0.0
20	PI/2 BPSK	50	28	21.65	21.81	21.64	23.1	0.0
20	PI/2 BPSK	50	56	21.59	21.67	21.56	23.1	0.0
20	PI/2 BPSK	100	0	21.59	21.66	21.63		
20	QPSK	1	1	21.90	21.93	21.72	23.1	0.0
20	QPSK	1	53	21.68	21.86	21.67		
20	QPSK	1	104	21.76	21.80	21.71		
20	QPSK	50	0	21.67	21.70	21.62	23.0	0.1
20	QPSK	50	28	21.79	21.86	21.65	23.1	0.0
20	QPSK	50	56	21.66	21.67	21.52	23.0	0.1
20	QPSK	100	0	21.68	21.78	21.59		
20	16QAM	1	1	21.35	21.50	21.32	23.0	0.1
20	64QAM	1	1	20.53	20.59	20.58	21.5	1.6
20	256QAM	1	1	19.12	19.15	19.00	19.5	3.6
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	21.73	21.92	21.70	23.1	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	21.71	21.89	21.70	23.1	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	21.71	21.82	21.72	23.1	0.0

n30 Ant 0 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					462000			
Frequency (MHz)					2310			
10	PI/2 BPSK	1	1		20.45		21.6	0.0
10	PI/2 BPSK	1	26		20.36			
10	PI/2 BPSK	1	50		20.36			
10	PI/2 BPSK	25	0		20.24		21.6	0.0
10	PI/2 BPSK	25	14		20.35		21.6	0.0
10	PI/2 BPSK	25	27		20.18		21.6	0.0
10	PI/2 BPSK	50	0		20.35			
10	QPSK	1	1		20.48		21.6	0.0
10	QPSK	1	26		20.42			
10	QPSK	1	50		20.42			
10	QPSK	25	0		20.30		21.6	0.0
10	QPSK	25	14		20.38		21.6	0.0
10	QPSK	25	27		20.24		21.6	0.0
10	QPSK	50	0		20.29			
10	16QAM	1	1		20.11		21.6	0.0
10	64QAM	1	1		20.29		21.5	0.1
10	256QAM	1	1		19.42		19.5	2.1
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	20.35	20.43	20.33	21.6	0.0

n66 Ant 0 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	17.94	18.07	17.93	19.1	0.0
40	PI/2 BPSK	1	108	17.91	17.92	17.86		
40	PI/2 BPSK	1	214	17.81	17.87	17.74		
40	PI/2 BPSK	108	0	17.85	17.93	17.72	19.1	0.0
40	PI/2 BPSK	108	54	17.93	17.88	17.75	19.1	0.0
40	PI/2 BPSK	108	108	17.56	17.85	17.65	19.1	0.0
40	PI/2 BPSK	216	0	17.78	17.90	17.68		
40	QPSK	1	1	18.09	18.11	18.03	19.1	0.0
40	QPSK	1	108	18.02	18.00	17.76		
40	QPSK	1	214	17.86	18.00	17.76		
40	QPSK	108	0	17.90	17.89	17.68	19.1	0.0
40	QPSK	108	54	17.89	17.93	17.76	19.1	0.0
40	QPSK	108	108	17.85	17.87	17.82	19.1	0.0
40	QPSK	216	0	17.82	17.96	17.62		
40	16QAM	1	1	17.79	17.77	17.69	19.1	0.0
40	64QAM	1	1	18.01	17.89	17.84	19.1	0.0
40	256QAM	1	1	17.99	18.10	18.08	19.1	0.0
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	17.93	18.07	17.89	19.1	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	17.95	18.10	17.94	19.1	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	17.97	18.05	17.88	19.1	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	17.94	18.07	17.96	19.1	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	17.95	18.04	17.96	19.1	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	17.99	18.09	17.97	19.1	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	17.96	18.06	17.86	19.1	0.0

n70 Ant 0 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					340500			
Frequency (MHz)					1702.5			
15	PI/2 BPSK	1	1		17.04		18.4	0.0
15	PI/2 BPSK	1	40		17.04			
15	PI/2 BPSK	1	77		16.90			
15	PI/2 BPSK	36	0		16.85		18.4	0.0
15	PI/2 BPSK	36	22		16.85		18.4	0.0
15	PI/2 BPSK	36	43		16.77		18.4	0.0
15	PI/2 BPSK	75	0		16.95			
15	QPSK	1	1		17.16		18.4	0.0
15	QPSK	1	40		16.98			
15	QPSK	1	77		17.04			
15	QPSK	36	0		16.93		18.4	0.0
15	QPSK	36	22		17.09		18.4	0.0
15	QPSK	36	43		16.83		18.4	0.0
15	QPSK	75	0		16.94			
15	16QAM	1	1		16.89		18.4	0.0
15	64QAM	1	1		16.93		18.4	0.0
	256QAM	1	1		17.06		18.4	0.0
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	16.95	17.04	16.92	18.4	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	16.93	17.09	17.00	18.4	0.0

n71 Ant 0 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	22.80	22.82	22.73	23.8	0.0
20	PI/2 BPSK	1	53	22.74	22.79	22.74		
20	PI/2 BPSK	1	104	22.73	22.86	22.81		
20	PI/2 BPSK	50	0	22.60	22.58	22.48	23.5	0.3
20	PI/2 BPSK	50	28	22.78	22.78	22.70	23.8	0.0
20	PI/2 BPSK	50	56	22.50	22.50	22.57	23.5	0.3
20	PI/2 BPSK	100	0	22.55	22.52	22.49		
20	QPSK	1	1	22.94	23.00	22.98	23.8	0.0
20	QPSK	1	53	22.82	22.86	22.70		
20	QPSK	1	104	22.78	22.86	22.71		
20	QPSK	50	0	22.08	22.09	22.06	23.0	0.8
20	QPSK	50	28	22.90	22.95	22.89	23.8	0.0
20	QPSK	50	56	22.09	22.13	21.99	23.0	0.8
20	QPSK	100	0	22.07	22.15	22.05		
20	16QAM	1	1	22.04	22.12	22.03	23.0	0.8
20	64QAM	1	1	20.60	20.57	20.55	21.5	2.3
20	256QAM	1	1	18.57	18.61	18.54	19.5	4.3
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.75	22.86	22.70	23.8	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.81	22.85	22.74	23.8	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.85	22.84	22.70	23.8	0.0

n41 HPUE Ant 0 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	18.27	18.35	18.34	19.7	0.0
100	PI/2 BPSK	1	137	18.29	18.22	18.23		
100	PI/2 BPSK	1	271	18.14	18.14	18.08		
100	PI/2 BPSK	135	0	18.15	18.15	18.01	19.7	0.0
100	PI/2 BPSK	135	69	18.17	18.08	18.19	19.7	0.0
100	PI/2 BPSK	135	138	17.88	18.22	18.06	19.7	0.0
100	PI/2 BPSK	270	0	18.19	18.17	17.98		
100	QPSK	1	1	18.42	18.52	18.46	19.7	0.0
100	QPSK	1	137	18.35	18.24	18.08		
100	QPSK	1	271	18.09	18.22	18.16		
100	QPSK	135	0	18.13	18.17	17.97	19.7	0.0
100	QPSK	135	69	18.20	18.31	18.13	19.7	0.0
100	QPSK	135	138	18.26	18.27	18.21	19.7	0.0
100	QPSK	270	0	18.21	18.34	18.17		
100	16QAM	1	1	18.19	18.25	18.20	19.7	0.0
100	64QAM	1	1	18.34	18.43	18.30	19.7	0.0
100	256QAM	1	1	17.74	17.77	17.71	19.7	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	18.35	18.33	18.40	19.7	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	18.37	18.39	18.35	19.7	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	18.28	18.39	18.40	19.7	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	18.30	18.44	18.34	19.7	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	18.30	18.43	18.33	19.7	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	18.35	18.43	18.33	19.7	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	18.31	18.45	18.42	19.7	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	18.33	18.44	18.32	19.7	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	18.28	18.39	18.37	19.7	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	18.37	18.44	18.35	19.7	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.98		
20	QPSK	1	1	18.34	18.43	18.37	19.7	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	18.31	18.36	18.37	19.7	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	18.36	18.37	18.35	19.7	0.0

n2 Ant 1 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PI/2 BPSK	1	1	18.01	18.10	18.00	19.2	0.0
40	PI/2 BPSK	1	108	17.99	18.04	18.00		
40	PI/2 BPSK	1	214	17.86	17.93	17.93		
40	PI/2 BPSK	108	0	17.98	17.91	17.87	19.2	0.0
40	PI/2 BPSK	108	54	18.02	17.97	17.97	19.2	0.0
40	PI/2 BPSK	108	108	17.71	17.91	17.76	19.2	0.0
40	PI/2 BPSK	216	0	17.96	17.96	17.84		
40	QPSK	1	1	18.12	18.15	18.14	19.2	0.0
40	QPSK	1	108	18.05	18.02	18.00		
40	QPSK	1	214	17.89	18.12	18.00		
40	QPSK	108	0	18.01	18.02	17.85	19.2	0.0
40	QPSK	108	54	17.98	18.11	17.83	19.2	0.0
40	QPSK	108	108	18.01	17.89	17.83	19.2	0.0
40	QPSK	216	0	17.86	18.07	17.76		
40	16QAM	1	1	17.93	17.85	17.83	19.2	0.0
40	64QAM	1	1	18.05	18.00	17.87	19.2	0.0
40	256QAM	1	1	18.08	18.10	18.06	19.2	0.0
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	18.03	18.17	18.02	0.0	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	18.04	18.13	17.91	0.0	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	18.03	18.11	17.94	0.0	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	17.98	18.14	17.99	0.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	18.05	18.12	17.99	19.2	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	18.04	18.12	17.97	19.2	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	17.99	18.08	17.93	19.2	0.0

n5 Ant 1 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	22.87	22.91	22.82	24.0	0.0
20	PI/2 BPSK	1	53	22.77	22.80	22.84		
20	PI/2 BPSK	1	104	22.76	22.77	22.62		
20	PI/2 BPSK	50	0	22.26	22.26	22.22	23.5	0.5
20	PI/2 BPSK	50	28	22.80	22.79	22.74	24.0	0.0
20	PI/2 BPSK	50	56	21.97	22.21	22.01	23.5	0.5
20	PI/2 BPSK	100	0	22.22	22.37	22.20		
20	QPSK	1	1	22.90	22.99	22.91	24.0	0.0
20	QPSK	1	53	22.92	22.85	22.66		
20	QPSK	1	104	22.74	22.88	22.75		
20	QPSK	50	0	21.74	21.81	21.62	23.0	1.0
20	QPSK	50	28	22.82	22.90	22.77	24.0	0.0
20	QPSK	50	56	21.80	21.77	21.68	23.0	1.0
20	QPSK	100	0	21.72	21.80	21.61		
20	16QAM	1	1	21.64	21.68	21.60	23.0	1.0
20	64QAM	1	1	20.38	20.37	20.23	21.5	2.5
20	256QAM	1	1	18.98	18.99	18.97	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.86	22.93	22.79	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.81	22.87	22.82	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.85	22.89	22.78	24.0	0.0

n7 Ant 1 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	19.88	19.90	19.84	20.8	0.0
50	PI/2 BPSK	1	135	19.87	19.86	19.93		
50	PI/2 BPSK	1	268	19.73	19.82	19.69		
50	PI/2 BPSK	135	0	19.73	19.85	19.86	20.8	0.0
50	PI/2 BPSK	135	68	19.84	19.83	19.87	20.8	0.0
50	PI/2 BPSK	135	135	19.48	19.71	19.55	20.8	0.0
50	PI/2 BPSK	270	0	19.86	19.82	19.73		
50	QPSK	1	1	19.96	20.06	19.91	20.8	0.0
50	QPSK	1	135	19.93	19.87	19.74		
50	QPSK	1	268	19.70	19.92	19.76		
50	QPSK	135	0	19.77	19.84	19.71	20.8	0.0
50	QPSK	135	68	19.82	19.92	19.82	20.8	0.0
50	QPSK	135	135	19.86	19.80	19.74	20.8	0.0
50	QPSK	270	0	19.77	19.83	19.56		
50	16QAM	1	1	19.65	19.63	19.52	20.8	0.0
50	64QAM	1	1	19.58	19.68	19.51	20.8	0.0
50	256QAM	1	1	18.52	18.59	18.53	19.5	1.3
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	19.99	19.99	19.86	20.8	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	19.91	19.99	19.88	0.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	19.91	20.01	19.83	20.8	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	19.99	20.05	19.87	20.8	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	19.90	20.04	19.87	20.8	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	19.92	19.98	19.92	20.8	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	19.97	19.99	19.92	20.8	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	19.93	20.01	19.89	20.8	0.0

n12 Ant 1 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	22.83	22.92	22.83	24.0	0.0
15	PI/2 BPSK	1	40	22.80	22.78	22.86		
15	PI/2 BPSK	1	77	22.79	22.78	22.68		
15	PI/2 BPSK	36	0	22.23	22.31	22.27	23.5	0.5
15	PI/2 BPSK	36	22	22.82	22.81	22.79	24.0	0.0
15	PI/2 BPSK	36	43	21.88	22.29	22.01	23.5	0.5
15	PI/2 BPSK	75	0	22.29	22.36	22.21		
15	QPSK	1	1	22.84	23.01	22.94	24.0	0.0
15	QPSK	1	40	22.94	22.91	22.72		
15	QPSK	1	77	22.77	22.83	22.71		
15	QPSK	36	0	21.77	21.88	21.68	23.0	1.0
15	QPSK	36	22	22.83	22.97	22.74	24.0	0.0
15	QPSK	36	43	21.72	21.76	21.57	23.0	1.0
15	QPSK	75	0	21.80	21.81	21.77		
15	16QAM	1	1	21.71	21.75	21.70	23.0	1.0
15	64QAM	1	1	20.19	20.34	20.21	21.5	2.5
	256QAM	1	1	18.97	19.05	18.94	19.5	4.5
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	22.74	22.91	22.89	24.0	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	22.73	22.88	22.83	24.0	0.0

n14 Ant 1 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					158600			
Frequency (MHz)					793			
10	PI/2 BPSK	1	1		23.25		24.0	0.0
10	PI/2 BPSK	1	26		23.14			
10	PI/2 BPSK	1	50		23.05			
10	PI/2 BPSK	25	0		22.60		23.5	0.5
10	PI/2 BPSK	25	14		23.15		24.0	0.0
10	PI/2 BPSK	25	27		22.61		23.5	0.5
10	PI/2 BPSK	50	0		22.69			
10	QPSK	1	1		23.34		24.0	0.0
10	QPSK	1	26		23.21			
10	QPSK	1	50		23.13			
10	QPSK	25	0		22.16		23.0	1.0
10	QPSK	25	14		23.27		24.0	0.0
10	QPSK	25	27		22.08		23.0	1.0
10	QPSK	50	0		22.15			
10	16QAM	1	1		22.09		23.0	1.0
10	64QAM	1	1		20.69		21.5	2.5
10	256QAM	1	1		19.39		19.5	4.5
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	1	23.15	23.21	23.17	24.0	0.0

n25 Ant 1 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	18.10	18.02	17.96	19.2	0.0
40	PI/2 BPSK	1	108	17.95	17.99	17.92		
40	PI/2 BPSK	1	214	17.85	17.87	17.91		
40	PI/2 BPSK	108	0	17.79	17.97	17.76	19.2	0.0
40	PI/2 BPSK	108	54	17.92	17.85	17.94	19.2	0.0
40	PI/2 BPSK	108	108	17.72	17.91	17.66	19.2	0.0
40	PI/2 BPSK	216	0	17.87	18.02	17.73		
40	QPSK	1	1	18.20	18.22	18.11	19.2	0.0
40	QPSK	1	108	18.10	17.90	17.87		
40	QPSK	1	214	17.90	18.03	17.87		
40	QPSK	108	0	17.91	17.97	17.70	19.2	0.0
40	QPSK	108	54	17.91	18.11	17.76	19.2	0.0
40	QPSK	108	108	17.86	17.92	17.93	19.2	0.0
40	QPSK	216	0	17.84	18.01	17.69		
40	16QAM	1	1	17.92	17.86	17.69	19.2	0.0
40	64QAM	1	1	18.02	17.99	17.82	19.2	0.0
40	256QAM	1	1	18.10	18.17	18.14	19.2	0.0
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1	18.09	18.15	18.12	19.2	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	18.04	18.11	18.08	19.2	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	17.98	18.09	18.07	19.2	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	18.01	18.06	18.05	19.2	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	18.05	18.10	18.12	19.2	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	17.99	18.11	18.13	19.2	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	18.07	18.07	18.03	19.2	0.0

n26 Ant 1 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	22.92	22.99	22.93	24.0	0.0
20	PI/2 BPSK	1	53	22.77	22.92	22.85		
20	PI/2 BPSK	1	104	22.78	22.78	22.84		
20	PI/2 BPSK	50	0	22.22	22.36	22.19	23.5	0.5
20	PI/2 BPSK	50	28	22.84	22.86	22.81	24.0	0.0
20	PI/2 BPSK	50	56	22.10	22.26	22.08	23.5	0.5
20	PI/2 BPSK	100	0	22.32	22.44	22.16		
20	QPSK	1	1	23.06	23.13	22.99	24.0	0.0
20	QPSK	1	53	23.01	22.82	22.80		
20	QPSK	1	104	22.80	22.97	22.78		
20	QPSK	50	0	21.89	21.84	21.67	23.0	1.0
20	QPSK	50	28	22.82	23.04	22.69	24.0	0.0
20	QPSK	50	56	21.73	21.85	21.79	23.0	1.0
20	QPSK	100	0	21.74	21.88	21.62		
20	16QAM	1	1	21.79	21.78	21.53	23.0	1.0
20	64QAM	1	1	20.44	20.37	20.16	21.5	2.5
20	256QAM	1	1	19.00	19.15	19.03	19.5	4.5
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	22.99	23.05	22.84	24.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	22.96	23.00	22.92	24.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	22.92	23.07	22.85	24.0	0.0

n30 Ant 1 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					462000			
Frequency (MHz)					2310			
10	PI/2 BPSK	1	1		16.96		17.8	0.0
10	PI/2 BPSK	1	26		16.81			
10	PI/2 BPSK	1	50		16.65			
10	PI/2 BPSK	25	0		16.75		17.8	0.0
10	PI/2 BPSK	25	14		16.77		17.8	0.0
10	PI/2 BPSK	25	27		16.70		17.8	0.0
10	PI/2 BPSK	50	0		16.89			
10	QPSK	1	1		17.05		17.8	0.0
10	QPSK	1	26		16.79			
10	QPSK	1	50		16.96			
10	QPSK	25	0		16.79		17.8	0.0
10	QPSK	25	14		17.04		17.8	0.0
10	QPSK	25	27		16.76		17.8	0.0
10	QPSK	50	0		16.81			
10	16QAM	1	1		16.69		17.8	0.0
10	64QAM	1	1		16.77		17.8	0.0
10	256QAM	1	1		16.89		17.8	0.0
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	16.94	17.01	16.78	17.8	0.0

n66 Ant 1 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	16.57	16.63	16.56	17.6	0.0
40	PI/2 BPSK	1	108	16.66	16.71	16.66		
40	PI/2 BPSK	1	214	16.63	16.66	16.63		
40	PI/2 BPSK	108	0	16.59	16.62	16.60	17.6	0.0
40	PI/2 BPSK	108	54	16.66	16.62	16.56	17.6	0.0
40	PI/2 BPSK	108	108	16.67	16.68	16.60	17.6	0.0
40	PI/2 BPSK	216	0	16.62	16.65	16.61		
40	QPSK	1	1	16.74	16.80	16.76	17.6	0.0
40	QPSK	1	108	16.67	16.73	16.62		
40	QPSK	1	214	16.62	16.62	16.65		
40	QPSK	108	0	16.61	16.72	16.63	17.6	0.0
40	QPSK	108	54	16.71	16.75	16.70	17.6	0.0
40	QPSK	108	108	16.62	16.66	16.61	17.6	0.0
40	QPSK	216	0	16.67	16.71	16.63		
40	16QAM	1	1	16.58	16.68	16.61	17.6	0.0
40	64QAM	1	1	16.64	16.67	16.58	17.6	0.0
40	256QAM	1	1	16.62	16.69	16.58	17.6	0.0
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	16.59	16.62	16.62	17.6	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	16.59	16.68	16.60	17.6	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	16.58	16.62	16.62	17.6	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	16.59	16.68	16.66	17.6	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	16.63	16.70	16.63	17.6	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	16.61	16.72	16.61	17.6	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	16.65	16.69	16.59	17.6	0.0

n70 Ant 1 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					340500			
Frequency (MHz)					1702.5			
15	PI/2 BPSK	1	1		20.07		21.1	0.0
15	PI/2 BPSK	1	40		20.03			
15	PI/2 BPSK	1	77		19.89			
15	PI/2 BPSK	36	0		19.99		21.1	0.0
15	PI/2 BPSK	36	22		20.03		21.1	0.0
15	PI/2 BPSK	36	43		19.92		21.1	0.0
15	PI/2 BPSK	75	0		20.10			
15	QPSK	1	1		20.11		21.1	0.0
15	QPSK	1	40		19.99			
15	QPSK	1	77		20.04			
15	QPSK	36	0		19.95		21.1	0.0
15	QPSK	36	22		20.08		21.1	0.0
15	QPSK	36	43		20.04		21.1	0.0
15	QPSK	75	0		20.07			
15	16QAM	1	1		19.56		21.1	0.0
15	64QAM	1	1		20.04		21.1	0.0
	256QAM	1	1		19.17		19.5	1.6
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	19.99	20.10	20.09	21.1	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	19.96	20.05	20.04	21.1	0.0

n71 Ant 1 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	22.38	22.40	22.32	23.8	0.0
20	PI/2 BPSK	1	53	22.23	22.28	22.25		
20	PI/2 BPSK	1	104	22.27	22.22	22.17		
20	PI/2 BPSK	50	0	22.28	22.31	22.19	23.5	0.3
20	PI/2 BPSK	50	28	22.24	22.30	22.16	23.8	0.0
20	PI/2 BPSK	50	56	22.04	22.22	22.11	23.5	0.3
20	PI/2 BPSK	100	0	22.20	22.36	22.05		
20	QPSK	1	1	22.42	22.45	22.31	23.8	0.0
20	QPSK	1	53	22.25	22.40	22.25		
20	QPSK	1	104	22.25	22.42	22.17		
20	QPSK	50	0	22.28	22.29	22.08	23.0	0.8
20	QPSK	50	28	22.40	22.42	22.13	23.8	0.0
20	QPSK	50	56	22.28	22.30	22.18	23.0	0.8
20	QPSK	100	0	22.16	22.36	22.18		
20	16QAM	1	1	22.05	22.17	22.02	23.0	0.8
20	64QAM	1	1	20.73	20.86	20.71	21.5	2.3
20	256QAM	1	1	19.40	19.43	19.34	19.5	4.3
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.41	22.42	22.33	23.8	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.42	22.43	22.29	23.8	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.44	22.44	22.30	23.8	0.0

n41 HPUE Ant 1 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	18.16	18.18	18.15	19.3	0.0
100	PI/2 BPSK	1	137	18.03	18.04	18.13		
100	PI/2 BPSK	1	271	17.90	18.09	17.88		
100	PI/2 BPSK	135	0	17.97	18.07	18.02	19.3	0.0
100	PI/2 BPSK	135	69	18.04	18.10	17.89	19.3	0.0
100	PI/2 BPSK	135	138	17.72	17.97	17.85	19.3	0.0
100	PI/2 BPSK	270	0	17.95	18.02	17.91		
100	QPSK	1	1	18.23	18.30	18.28	19.3	0.0
100	QPSK	1	137	18.20	18.16	17.94		
100	QPSK	1	271	17.90	18.06	17.94		
100	QPSK	135	0	18.09	17.98	17.85	19.3	0.0
100	QPSK	135	69	18.01	18.21	18.08	19.3	0.0
100	QPSK	135	138	18.02	18.06	17.99	19.3	0.0
100	QPSK	270	0	17.88	18.15	17.73		
100	16QAM	1	1	18.15	18.19	18.22	19.3	0.0
100	64QAM	1	1	18.28	18.29	18.27	19.3	0.0
100	256QAM	1	1	17.91	18.07	17.88	19.3	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	18.00	18.10	18.18	19.3	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	18.01	18.14	18.18	19.3	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	18.01	18.17	18.21	19.3	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	17.97	18.19	18.14	19.3	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	18.06	18.09	18.15	19.3	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	18.00	18.13	18.20	19.3	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	17.96	18.11	18.10	19.3	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	18.05	18.15	18.11	19.3	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	18.00	18.19	18.21	19.3	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	17.97	18.20	18.10	19.3	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	17.99	18.17	18.14	19.3	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	18.02	18.11	18.20	19.3	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	17.97	18.14	18.21	19.3	0.0

n2 Ant 2 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PI/2 BPSK	1	1	12.40	12.45	12.29	13.7	0.0
40	PI/2 BPSK	1	108	12.22	12.28	12.24		
40	PI/2 BPSK	1	214	12.23	12.22	12.17		
40	PI/2 BPSK	108	0	12.21	12.38	12.11	13.7	0.0
40	PI/2 BPSK	108	54	12.35	12.32	12.27	13.7	0.0
40	PI/2 BPSK	108	108	12.04	12.29	12.01	13.7	0.0
40	PI/2 BPSK	216	0	12.17	12.39	12.19		
40	QPSK	1	1	12.49	12.50	12.38	13.7	0.0
40	QPSK	1	108	12.33	12.39	12.18		
40	QPSK	1	214	12.25	12.39	12.21		
40	QPSK	108	0	12.21	12.36	12.04	13.7	0.0
40	QPSK	108	54	12.31	12.48	12.20	13.7	0.0
40	QPSK	108	108	12.24	12.29	12.15	13.7	0.0
40	QPSK	216	0	12.17	12.39	11.98		
40	16QAM	1	1	12.15	12.23	12.08	13.7	0.0
40	64QAM	1	1	12.38	12.29	12.19	13.7	0.0
40	256QAM	1	1	12.47	12.49	12.42	13.7	0.0
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	12.37	12.40	12.33	0.0	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	12.36	12.44	12.36	0.0	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	12.39	12.46	12.37	0.0	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	12.44	12.43	12.43	0.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	12.40	12.48	12.36	13.7	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	12.39	12.43	12.33	13.7	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	12.40	12.49	12.44	13.7	0.0

n7 Ant 2 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	14.83	14.82	14.66	16.0	0.0
50	PI/2 BPSK	1	135	14.57	14.63	14.65		
50	PI/2 BPSK	1	268	14.64	14.53	14.57		
50	PI/2 BPSK	135	0	14.55	14.75	14.52	16.0	0.0
50	PI/2 BPSK	135	68	14.70	14.66	14.60	16.0	0.0
50	PI/2 BPSK	135	135	14.37	14.69	14.42	16.0	0.0
50	PI/2 BPSK	270	0	14.50	14.72	14.54		
50	QPSK	1	1	14.85	14.94	14.77	16.0	0.0
50	QPSK	1	135	14.71	14.72	14.62		
50	QPSK	1	268	14.65	14.72	14.63		
50	QPSK	135	0	14.53	14.68	14.51	16.0	0.0
50	QPSK	135	68	14.71	14.83	14.63	16.0	0.0
50	QPSK	135	135	14.58	14.79	14.65	16.0	0.0
50	QPSK	270	0	14.48	14.67	14.38		
50	16QAM	1	1	14.06	14.13	14.02	16.0	0.0
50	64QAM	1	1	14.30	14.31	14.25	16.0	0.0
50	256QAM	1	1	14.68	14.69	14.76	16.0	0.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	14.78	14.86	14.70	16.0	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	14.82	14.92	14.78	0.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	14.86	14.91	14.78	16.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	14.85	14.89	14.70	16.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	14.84	14.90	14.76	16.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	14.77	14.92	14.78	16.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	14.85	14.87	14.76	16.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	14.81	14.89	14.77	16.0	0.0

n25 Ant 2 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	12.29	12.37	12.17	13.7	0.0
40	PI/2 BPSK	1	108	12.24	12.29	12.19		
40	PI/2 BPSK	1	214	12.11	12.21	12.18		
40	PI/2 BPSK	108	0	12.16	12.23	12.07	13.7	0.0
40	PI/2 BPSK	108	54	12.25	12.25	12.16	13.7	0.0
40	PI/2 BPSK	108	108	11.90	12.22	11.98	13.7	0.0
40	PI/2 BPSK	216	0	12.12	12.32	12.11		
40	QPSK	1	1	12.45	12.51	12.32	13.7	0.0
40	QPSK	1	108	12.38	12.36	12.12		
40	QPSK	1	214	12.16	12.22	12.13		
40	QPSK	108	0	12.16	12.27	12.05	13.7	0.0
40	QPSK	108	54	12.23	12.44	12.20	13.7	0.0
40	QPSK	108	108	12.22	12.21	12.12	13.7	0.0
40	QPSK	216	0	12.03	12.31	11.92		
40	16QAM	1	1	12.04	12.16	12.06	13.7	0.0
40	64QAM	1	1	12.29	12.25	12.05	13.7	0.0
40	256QAM	1	1	12.30	12.42	12.42	13.7	0.0
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1	12.38	12.41	12.35	13.7	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	12.46	12.47	12.33	13.7	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	12.40	12.48	12.30	13.7	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	12.36	12.50	12.28	13.7	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	12.37	12.44	12.26	13.7	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	12.36	12.49	12.34	13.7	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	12.40	12.47	12.33	13.7	0.0

n30 Ant 2 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					462000			
Frequency (MHz)					2310			
10	PI/2 BPSK	1	1		14.02		15.0	0.0
10	PI/2 BPSK	1	26		13.74			
10	PI/2 BPSK	1	50		13.66			
10	PI/2 BPSK	25	0		13.72		15.0	0.0
10	PI/2 BPSK	25	14		13.78		15.0	0.0
10	PI/2 BPSK	25	27		13.64		15.0	0.0
10	PI/2 BPSK	50	0		13.84			
10	QPSK	1	1		14.06		15.0	0.0
10	QPSK	1	26		13.90			
10	QPSK	1	50		13.99			
10	QPSK	25	0		13.83		15.0	0.0
10	QPSK	25	14		13.99		15.0	0.0
10	QPSK	25	27		13.71		15.0	0.0
10	QPSK	50	0		13.80			
10	16QAM	1	1		13.65		15.0	0.0
10	64QAM	1	1		13.90		15.0	0.0
10	256QAM	1	1		14.02		15.0	0.0
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	13.85	13.95	13.91	15.0	0.0

n66 Ant 2 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	14.22	14.25	14.12	15.6	0.0
40	PI/2 BPSK	1	108	14.17	14.10	14.06		
40	PI/2 BPSK	1	214	14.09	14.13	13.94		
40	PI/2 BPSK	108	0	13.96	14.06	13.91	15.6	0.0
40	PI/2 BPSK	108	54	14.06	14.06	13.93	15.6	0.0
40	PI/2 BPSK	108	108	13.83	14.03	13.89	15.6	0.0
40	PI/2 BPSK	216	0	13.99	14.14	13.91		
40	QPSK	1	1	14.28	14.33	14.25	15.6	0.0
40	QPSK	1	108	14.08	14.08	14.08		
40	QPSK	1	214	14.04	14.13	14.10		
40	QPSK	108	0	14.14	14.09	13.99	15.6	0.0
40	QPSK	108	54	14.06	14.21	13.93	15.6	0.0
40	QPSK	108	108	14.07	14.05	13.86	15.6	0.0
40	QPSK	216	0	14.05	14.20	13.89		
40	16QAM	1	1	13.99	13.92	13.90	15.6	0.0
40	64QAM	1	1	14.11	14.23	13.93	15.6	0.0
40	256QAM	1	1	14.15	14.22	14.18	15.6	0.0
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	14.18	14.26	14.14	15.6	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	14.14	14.19	14.08	15.6	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	14.18	14.25	14.18	15.6	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	14.13	14.19	14.15	15.6	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	14.18	14.27	14.12	15.6	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	14.20	14.21	14.17	15.6	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	14.16	14.17	14.12	15.6	0.0

n70 Ant 2 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					340500			
Frequency (MHz)					1702.5			
15	PI/2 BPSK	1	1		14.20		15.4	0.0
15	PI/2 BPSK	1	40		14.17			
15	PI/2 BPSK	1	77		14.03			
15	PI/2 BPSK	36	0		14.11		15.4	0.0
15	PI/2 BPSK	36	22		14.08		15.4	0.0
15	PI/2 BPSK	36	43		13.95		15.4	0.0
15	PI/2 BPSK	75	0		14.22			
15	QPSK	1	1		14.26		15.4	0.0
15	QPSK	1	40		14.13			
15	QPSK	1	77		14.18			
15	QPSK	36	0		14.05		15.4	0.0
15	QPSK	36	22		14.20		15.4	0.0
15	QPSK	36	43		14.13		15.4	0.0
15	QPSK	75	0		14.09			
15	16QAM	1	1		13.70		15.4	0.0
15	64QAM	1	1		14.08		15.4	0.0
15	256QAM	1	1		14.05		15.4	0.0
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	14.03	14.11	14.04	15.4	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	14.11	14.14	14.05	15.4	0.0

n41 HPUE Ant 2 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	13.38	13.53	13.44	14.7	0.0
100	PI/2 BPSK	1	137	13.37	13.42	13.47		
100	PI/2 BPSK	1	271	13.22	13.32	13.28		
100	PI/2 BPSK	135	0	13.41	13.44	13.19	14.7	0.0
100	PI/2 BPSK	135	69	13.42	13.38	13.41	14.7	0.0
100	PI/2 BPSK	135	138	13.16	13.38	13.17	14.7	0.0
100	PI/2 BPSK	270	0	13.35	13.41	13.29		
100	QPSK	1	1	13.54	13.69	13.42	14.7	0.0
100	QPSK	1	137	13.48	13.49	13.33		
100	QPSK	1	271	13.47	13.50	13.35		
100	QPSK	135	0	13.38	13.33	13.24	14.7	0.0
100	QPSK	135	69	13.35	13.58	13.36	14.7	0.0
100	QPSK	135	138	13.44	13.52	13.41	14.7	0.0
100	QPSK	270	0	13.49	13.56	13.48		
100	16QAM	1	1	13.41	13.54	13.42	14.7	0.0
100	64QAM	1	1	13.63	13.67	13.64	14.7	0.0
100	256QAM	1	1	12.82	12.92	12.83	14.7	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	13.50	13.63	13.43	14.7	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	13.47	13.66	13.45	14.7	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	13.55	13.64	13.43	14.7	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	13.54	13.68	13.43	14.7	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	13.47	13.62	13.37	14.7	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	13.49	13.63	13.43	14.7	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	13.51	13.67	13.39	14.7	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	13.53	13.61	13.40	14.7	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	13.53	13.66	13.40	14.7	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	13.48	13.63	13.42	14.7	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	13.53	13.63	13.33	14.7	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	13.46	13.63	13.36	14.7	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	13.56	13.64	13.42	14.7	0.0

n2 Ant 3 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PI/2 BPSK	1	1	21.66	21.71	21.59	22.8	0.0
40	PI/2 BPSK	1	108	21.61	21.54	21.56		
40	PI/2 BPSK	1	214	21.51	21.48	21.45		
40	PI/2 BPSK	108	0	21.57	21.58	21.49	22.8	0.0
40	PI/2 BPSK	108	54	21.63	21.52	21.55	22.8	0.0
40	PI/2 BPSK	108	108	21.26	21.57	21.46	22.8	0.0
40	PI/2 BPSK	216	0	21.60	21.60	21.40		
40	QPSK	1	1	21.69	21.76	21.72	22.8	0.0
40	QPSK	1	108	21.73	21.71	21.54		
40	QPSK	1	214	21.44	21.60	21.55		
40	QPSK	108	0	21.60	21.56	21.46	22.8	0.0
40	QPSK	108	54	21.64	21.68	21.54	22.8	0.0
40	QPSK	108	108	21.55	21.57	21.43	22.8	0.0
40	QPSK	216	0	21.55	21.69	21.55		
40	16QAM	1	1	21.51	21.52	21.47	22.8	0.0
40	64QAM	1	1	20.66	20.64	20.46	21.5	1.3
40	256QAM	1	1	19.19	19.31	19.28	19.5	3.3
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	21.69	21.72	21.73	0.0	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	21.74	21.73	21.68	0.0	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	21.68	21.72	21.63	0.0	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	21.69	21.74	21.65	0.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	21.67	21.72	21.72	22.8	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	21.76	21.74	21.73	22.8	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	21.66	21.74	21.64	22.8	0.0

n7 Ant 3 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	16.41	16.47	16.33	17.8	0.0
50	PI/2 BPSK	1	135	16.34	16.34	16.25		
50	PI/2 BPSK	1	268	16.13	16.23	16.21		
50	PI/2 BPSK	135	0	16.22	16.30	16.20	17.8	0.0
50	PI/2 BPSK	135	68	16.31	16.26	16.28	17.8	0.0
50	PI/2 BPSK	135	135	15.98	16.24	16.24	17.8	0.0
50	PI/2 BPSK	270	0	16.26	16.31	16.06		
50	QPSK	1	1	16.46	16.54	16.41	17.8	0.0
50	QPSK	1	135	16.39	16.39	16.34		
50	QPSK	1	268	16.21	16.42	16.17		
50	QPSK	135	0	16.25	16.32	16.05	17.8	0.0
50	QPSK	135	68	16.25	16.49	16.32	17.8	0.0
50	QPSK	135	135	16.28	16.38	16.19	17.8	0.0
50	QPSK	270	0	16.23	16.47	16.21		
50	16QAM	1	1	15.97	16.17	16.11	17.8	0.0
50	64QAM	1	1	16.01	16.07	16.03	17.8	0.0
50	256QAM	1	1	16.45	16.51	16.44	17.8	0.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	16.41	16.46	16.34	17.8	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	16.38	16.49	16.37	0.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	16.39	16.50	16.32	17.8	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	16.42	16.50	16.36	17.8	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	16.41	16.46	16.41	17.8	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	16.38	16.52	16.39	17.8	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	16.35	16.44	16.43	17.8	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	16.37	16.46	16.43	17.8	0.0

n25 Ant 3 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	21.69	21.61	21.57	22.8	0.0
40	PI/2 BPSK	1	108	21.58	21.53	21.48		
40	PI/2 BPSK	1	214	21.47	21.47	21.35		
40	PI/2 BPSK	108	0	21.48	21.48	21.37	22.8	0.0
40	PI/2 BPSK	108	54	21.50	21.52	21.50	22.8	0.0
40	PI/2 BPSK	108	108	21.32	21.52	21.27	22.8	0.0
40	PI/2 BPSK	216	0	21.39	21.66	21.47		
40	QPSK	1	1	21.76	21.85	21.66	22.8	0.0
40	QPSK	1	108	21.65	21.61	21.46		
40	QPSK	1	214	21.49	21.64	21.56		
40	QPSK	108	0	21.52	21.58	21.29	22.8	0.0
40	QPSK	108	54	21.49	21.63	21.43	22.8	0.0
40	QPSK	108	108	21.49	21.48	21.46	22.8	0.0
40	QPSK	216	0	21.38	21.50	21.35		
40	16QAM	1	1	21.47	21.48	21.34	22.8	0.0
40	64QAM	1	1	20.64	20.62	20.47	21.5	1.3
40	256QAM	1	1	19.21	19.29	19.28	19.5	3.3
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1	21.71	21.78	21.75	22.8	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	21.61	21.73	21.69	22.8	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	21.67	21.70	21.67	22.8	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	21.67	21.77	21.60	22.8	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	21.71	21.71	21.60	22.8	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	21.71	21.77	21.66	22.8	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	21.70	21.73	21.68	22.8	0.0

n30 Ant 3 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					462000			
Frequency (MHz)					2310			
10	PI/2 BPSK	1	1		18.53		19.7	0.0
10	PI/2 BPSK	1	26		18.40			
10	PI/2 BPSK	1	50		18.36			
10	PI/2 BPSK	25	0		18.52		19.7	0.0
10	PI/2 BPSK	25	14		18.36		19.7	0.0
10	PI/2 BPSK	25	27		18.30		19.7	0.0
10	PI/2 BPSK	50	0		18.39			
10	QPSK	1	1		18.59		19.7	0.0
10	QPSK	1	26		18.40			
10	QPSK	1	50		18.41			
10	QPSK	25	0		18.34		19.7	0.0
10	QPSK	25	14		18.55		19.7	0.0
10	QPSK	25	27		18.44		19.7	0.0
10	QPSK	50	0		18.51			
10	16QAM	1	1		18.26		19.7	0.0
10	64QAM	1	1		18.28		19.5	0.2
10	256QAM	1	1		18.48		19.5	0.2
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	18.48	18.51	18.51	19.7	0.0

n66 Ant 3 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	19.45	19.56	19.46	20.9	0.0
40	PI/2 BPSK	1	108	19.48	19.41	19.54		
40	PI/2 BPSK	1	214	19.34	19.45	19.37		
40	PI/2 BPSK	108	0	19.41	19.42	19.28	20.9	0.0
40	PI/2 BPSK	108	54	19.46	19.34	19.33	20.9	0.0
40	PI/2 BPSK	108	108	19.24	19.39	19.15	20.9	0.0
40	PI/2 BPSK	216	0	19.35	19.53	19.31		
40	QPSK	1	1	19.59	19.67	19.48	20.9	0.0
40	QPSK	1	108	19.54	19.54	19.39		
40	QPSK	1	214	19.33	19.49	19.41		
40	QPSK	108	0	19.50	19.51	19.47	20.9	0.0
40	QPSK	108	54	19.52	19.66	19.58	20.9	0.0
40	QPSK	108	108	19.43	19.47	19.44	20.9	0.0
40	QPSK	216	0	19.35	19.42	19.20		
40	16QAM	1	1	19.35	19.38	19.12	20.9	0.0
40	64QAM	1	1	19.52	19.56	19.38	20.9	0.0
40	256QAM	1	1	19.08	19.13	19.15	19.5	1.4
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	19.44	19.60	19.35	20.9	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	19.52	19.61	19.38	20.9	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	19.49	19.55	19.42	20.9	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	19.51	19.56	19.42	20.9	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	19.51	19.53	19.45	20.9	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	19.46	19.55	19.36	20.9	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	19.55	19.53	19.34	20.9	0.0

n70 Ant 3 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					340500			
Frequency (MHz)					1702.5			
15	PI/2 BPSK	1	1		17.52		18.6	0.0
15	PI/2 BPSK	1	40		17.30			
15	PI/2 BPSK	1	77		17.39			
15	PI/2 BPSK	36	0		17.50		18.6	0.0
15	PI/2 BPSK	36	22		17.30		18.6	0.0
15	PI/2 BPSK	36	43		17.32		18.6	0.0
15	PI/2 BPSK	75	0		17.33			
15	QPSK	1	1		17.56		18.6	0.0
15	QPSK	1	40		17.41			
15	QPSK	1	77		17.44			
15	QPSK	36	0		17.35		18.6	0.0
15	QPSK	36	22		17.52		18.6	0.0
15	QPSK	36	43		17.44		18.6	0.0
15	QPSK	75	0		17.54			
15	16QAM	1	1		17.26		18.6	0.0
15	64QAM	1	1		17.27		18.6	0.0
	256QAM	1	1		17.42		18.6	0.0
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	17.37	17.44	17.37	18.6	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	17.37	17.50	17.36	18.6	0.0

n41 HPUE Ant 3 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	15.12	15.30	15.05	16.1	0.0
100	PI/2 BPSK	1	137	15.14	15.06	15.10		
100	PI/2 BPSK	1	271	14.96	15.02	14.95		
100	PI/2 BPSK	135	0	14.98	15.10	14.99	16.1	0.0
100	PI/2 BPSK	135	69	15.10	15.05	14.91	16.1	0.0
100	PI/2 BPSK	135	138	14.79	15.00	14.88	16.1	0.0
100	PI/2 BPSK	270	0	14.96	15.06	14.88		
100	QPSK	1	1	15.32	15.37	15.17	16.1	0.0
100	QPSK	1	137	15.18	15.17	15.06		
100	QPSK	1	271	15.08	15.14	14.98		
100	QPSK	135	0	15.11	15.09	14.93	16.1	0.0
100	QPSK	135	69	14.99	15.25	14.89	16.1	0.0
100	QPSK	135	138	15.07	14.99	14.93	16.1	0.0
100	QPSK	270	0	14.98	15.17	14.87		
100	16QAM	1	1	15.22	15.28	15.17	16.1	0.0
100	64QAM	1	1	15.24	15.31	15.25	16.1	0.0
100	256QAM	1	1	14.77	14.95	14.88	16.1	0.0
Channel				506200	518598	526996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	15.21	15.23	15.20	16.1	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	15.22	15.24	15.11	16.1	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	15.20	15.26	15.22	16.1	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	15.19	15.31	15.13	16.1	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	15.17	15.26	15.20	16.1	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	15.28	15.26	15.14	16.1	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	15.21	15.26	15.16	16.1	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	15.21	15.32	15.14	16.1	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	15.21	15.23	15.19	16.1	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	15.17	15.23	15.21	16.1	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	15.18	15.23	15.14	16.1	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	15.17	15.31	15.20	16.1	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	15.21	15.32	15.19	16.1	0.0

n48 Part 96 Ant 3 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	14.22	14.19	14.15	15.7	0.0
40	PI/2 BPSK	1	53	14.08	14.05	14.08		
40	PI/2 BPSK	1	104	14.01	13.95	13.91		
40	PI/2 BPSK	50	0	13.91	14.13	14.07	15.7	0.0
40	PI/2 BPSK	50	28	14.16	13.99	13.99	15.7	0.0
40	PI/2 BPSK	50	56	13.74	14.04	13.77	15.7	0.0
40	PI/2 BPSK	100	0	14.02	14.02	13.80		
40	QPSK	1	1	14.31	14.36	14.22	15.7	0.0
40	QPSK	1	53	14.20	14.14	14.04		
40	QPSK	1	104	14.11	14.22	13.90		
40	QPSK	50	0	13.96	14.04	13.96	15.7	0.0
40	QPSK	50	28	13.98	14.25	13.98	15.7	0.0
40	QPSK	50	56	13.99	14.05	14.00	15.7	0.0
40	QPSK	100	0	13.89	14.10	13.93		
40	16QAM	1	1	13.96	14.00	13.86	15.7	0.0
40	64QAM	1	1	14.18	14.14	14.00	15.7	0.0
40	256QAM	1	1	14.24	14.26	14.23	15.7	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	14.19	14.25	14.14	15.7	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	14.23	14.26	14.15	15.7	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	14.20	14.19	14.10	15.7	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	14.28	14.29	14.14	15.7	0.0

Part27O n77 HPUE Ant 3 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	14.06	14.14	13.98	15.9	0.0
100	PI/2 BPSK	1	137	13.99	14.01	13.98		
100	PI/2 BPSK	1	271	14.00	14.01	13.91		
100	PI/2 BPSK	135	0	14.01	14.03	13.93	15.9	0.0
100	PI/2 BPSK	135	69	13.96	14.04	13.91	15.9	0.0
100	PI/2 BPSK	135	138	13.91	13.96	13.95	15.9	0.0
100	PI/2 BPSK	270	0	13.96	14.07	14.04		
100	QPSK	1	1	14.16	14.27	14.10	15.9	0.0
100	QPSK	1	137	14.17	14.05	13.97		
100	QPSK	1	271	13.98	14.16	13.98		
100	QPSK	135	0	13.94	14.07	14.02	15.9	0.0
100	QPSK	135	69	14.01	14.26	13.91	15.9	0.0
100	QPSK	135	138	14.01	13.94	13.93	15.9	0.0
100	QPSK	270	0	13.99	14.09	13.96		
100	16QAM	1	1	13.92	14.05	13.96	15.9	0.0
100	64QAM	1	1	13.97	14.06	13.92	15.9	0.0
100	256QAM	1	1	13.91	13.92	13.94	15.9	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	14.14	14.18	14.04	15.9	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	14.08	14.20	13.99	15.9	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	14.06	14.11	14.00	15.9	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	14.10	14.14	14.04	15.9	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	14.11	14.19	14.06	15.9	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	14.16	14.15	13.96	15.9	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	14.04	14.16	14.01	15.9	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	14.16	14.12	13.95	15.9	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	14.05	14.19	14.03	15.9	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	14.15	14.14	14.05	15.9	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	14.05	14.14	14.02	15.9	0.0

Part27Q n77 HPUE Ant 3 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		14.15		15.9	0.0
100	PI/2 BPSK	1	137		14.10			
100	PI/2 BPSK	1	271		13.94			
100	PI/2 BPSK	135	0		14.16		15.9	0.0
100	PI/2 BPSK	135	69		14.07		15.9	0.0
100	PI/2 BPSK	135	138		14.01		15.9	0.0
100	PI/2 BPSK	270	0		14.21			
100	QPSK	1	1		14.32		15.9	0.0
100	QPSK	1	137		14.12			
100	QPSK	1	271		14.06			
100	QPSK	135	0		14.05		15.9	0.0
100	QPSK	135	69		14.25		15.9	0.0
100	QPSK	135	138		14.10		15.9	0.0
100	QPSK	270	0		14.09			
100	16QAM	1	1		13.91		15.9	0.0
100	64QAM	1	1		13.97		15.9	0.0
100	256QAM	1	1		13.94		15.9	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	14.07	14.15	14.17	15.9	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	14.16	14.15	14.13	15.9	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	14.06	14.25	14.13	15.9	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	14.13	14.21	14.07	15.9	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	14.12	14.25	14.18	15.9	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	14.13	14.16	14.12	15.9	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	14.17	14.21	14.09	15.9	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	14.15	14.14	14.10	15.9	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	14.16	14.18	14.11	15.9	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	14.11	14.26	14.12	15.9	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	14.08	14.21	14.16	15.9	0.0

Part27O n78 HPUE Ant 3 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		14.08		15.9	0.0
100	PI/2 BPSK	1	137		14.08			
100	PI/2 BPSK	1	271		13.94			
100	PI/2 BPSK	135	0		13.96		15.9	0.0
100	PI/2 BPSK	135	69		14.03		15.9	0.0
100	PI/2 BPSK	135	138		13.93		15.9	0.0
100	PI/2 BPSK	270	0		13.91			
100	QPSK	1	1		14.17		15.9	0.0
100	QPSK	1	137		13.96			
100	QPSK	1	271		14.08			
100	QPSK	135	0		13.99		15.9	0.0
100	QPSK	135	69		14.13		15.9	0.0
100	QPSK	135	138		13.99		15.9	0.0
100	QPSK	270	0		13.91			
100	16QAM	1	1		13.98		15.9	0.0
100	64QAM	1	1		14.00		15.9	0.0
100	256QAM	1	1		13.95		15.9	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	13.91	14.02	13.91	15.9	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	13.98	14.00	13.97	15.9	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	13.92	14.01	13.96	15.9	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	13.94	14.01	13.92	15.9	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	13.95	13.97	13.91	15.9	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	13.96	14.03	13.93	15.9	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	13.94	14.00	13.92	15.9	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	13.93	13.97	13.98	15.9	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	13.94	14.02	13.98	15.9	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	13.91	14.00	13.97	15.9	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	13.91	13.93	13.96	15.9	0.0

Part27Q n78 HPUE Ant 3 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		14.07		15.9	0.0
100	PI/2 BPSK	1	137		14.06			
100	PI/2 BPSK	1	271		14.08			
100	PI/2 BPSK	135	0		13.99		15.9	0.0
100	PI/2 BPSK	135	69		14.00		15.9	0.0
100	PI/2 BPSK	135	138		13.92		15.9	0.0
100	PI/2 BPSK	270	0		14.06			
100	QPSK	1	1		14.10		15.9	0.0
100	QPSK	1	137		14.03			
100	QPSK	1	271		13.97			
100	QPSK	135	0		13.96		15.9	0.0
100	QPSK	135	69		14.08		15.9	0.0
100	QPSK	135	138		13.95		15.9	0.0
100	QPSK	270	0		14.05			
100	16QAM	1	1		13.93		15.9	0.0
100	64QAM	1	1		14.00		15.9	0.0
100	256QAM	1	1		13.97		15.9	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	14.00	14.04	13.98	15.9	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	14.00	14.03	13.99	15.9	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	14.05	14.06	13.92	15.9	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	14.08	14.08	14.02	15.9	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	14.07	14.04	13.91	15.9	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	14.07	14.03	13.93	15.9	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	14.06	14.08	13.97	15.9	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	14.08	14.06	13.92	15.9	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	14.00	14.06	13.99	15.9	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	14.01	14.03	13.97	15.9	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	14.04	14.03	13.91	15.9	0.0

n48 Part 96 Ant 4 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	12.79	12.90	12.77	14.2	0.0
40	PI/2 BPSK	1	53	12.80	12.81	12.68		
40	PI/2 BPSK	1	104	12.66	12.62	12.54		
40	PI/2 BPSK	50	0	12.65	12.74	12.61	14.2	0.0
40	PI/2 BPSK	50	28	12.72	12.77	12.64	14.2	0.0
40	PI/2 BPSK	50	56	12.55	12.63	12.56	14.2	0.0
40	PI/2 BPSK	100	0	12.69	12.78	12.61		
40	QPSK	1	1	12.91	12.93	12.85	14.2	0.0
40	QPSK	1	53	12.84	12.76	12.73		
40	QPSK	1	104	12.73	12.78	12.62		
40	QPSK	50	0	12.65	12.79	12.47	14.2	0.0
40	QPSK	50	28	12.65	12.89	12.65	14.2	0.0
40	QPSK	50	56	12.75	12.71	12.67	14.2	0.0
40	QPSK	100	0	12.64	12.77	12.49		
40	16QAM	1	1	12.66	12.62	12.48	14.2	0.0
40	64QAM	1	1	12.85	12.77	12.57	14.2	0.0
40	256QAM	1	1	12.86	12.92	12.89	14.2	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	12.82	12.91	12.87	14.2	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	12.88	12.84	12.80	14.2	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	12.85	12.91	12.82	14.2	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	12.93	12.87	12.83	14.2	0.0

Part27O n77 HPUE Ant 4 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	12.12	12.14	12.15	13.3	0.0
100	PI/2 BPSK	1	137	12.05	12.01	12.08		
100	PI/2 BPSK	1	271	11.93	12.05	12.00		
100	PI/2 BPSK	135	0	11.95	12.08	11.98	13.3	0.0
100	PI/2 BPSK	135	69	12.05	12.04	11.92	13.3	0.0
100	PI/2 BPSK	135	138	11.97	12.03	11.96	13.3	0.0
100	PI/2 BPSK	270	0	11.93	12.06	11.98		
100	QPSK	1	1	12.24	12.31	12.19	13.3	0.0
100	QPSK	1	137	12.10	12.10	12.03		
100	QPSK	1	271	11.97	12.05	12.05		
100	QPSK	135	0	11.99	11.98	11.96	13.3	0.0
100	QPSK	135	69	12.00	12.18	11.95	13.3	0.0
100	QPSK	135	138	12.04	12.09	12.03	13.3	0.0
100	QPSK	270	0	11.91	12.13	12.01		
100	16QAM	1	1	11.91	11.89	11.95	13.3	0.0
100	64QAM	1	1	12.13	12.14	12.00	13.3	0.0
100	256QAM	1	1	12.22	12.20	12.22	13.3	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	12.27	12.27	12.20	13.3	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	12.15	12.26	12.17	13.3	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	12.26	12.26	12.19	13.3	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	12.21	12.26	12.18	13.3	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	12.17	12.26	12.21	13.3	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	12.22	12.23	12.13	13.3	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	12.19	12.25	12.19	13.3	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	12.26	12.24	12.22	13.3	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	12.23	12.26	12.15	13.3	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	12.21	12.25	12.19	13.3	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	12.23	12.30	12.21	13.3	0.0

Part27Q n77 HPUE Ant 4 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		12.48		13.3	0.0
100	PI/2 BPSK	1	137		12.48			
100	PI/2 BPSK	1	271		12.27			
100	PI/2 BPSK	135	0		12.40		13.3	0.0
100	PI/2 BPSK	135	69		12.45		13.3	0.0
100	PI/2 BPSK	135	138		12.26		13.3	0.0
100	PI/2 BPSK	270	0		12.47			
100	QPSK	1	1		12.65		13.3	0.0
100	QPSK	1	137		12.40			
100	QPSK	1	271		12.53			
100	QPSK	135	0		12.39		13.3	0.0
100	QPSK	135	69		12.45		13.3	0.0
100	QPSK	135	138		12.40		13.3	0.0
100	QPSK	270	0		12.46			
100	16QAM	1	1		12.08		13.3	0.0
100	64QAM	1	1		12.20		13.3	0.0
100	256QAM	1	1		12.58		13.3	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	12.58	12.50	12.53	13.3	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	12.58	12.52	12.49	13.3	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	12.53	12.51	12.57	13.3	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	12.53	12.52	12.52	13.3	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	12.62	12.61	12.46	13.3	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.51	12.58	12.47	13.3	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	12.55	12.57	12.50	13.3	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	12.57	12.54	12.51	13.3	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.53	12.51	12.52	13.3	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	12.59	12.51	12.55	13.3	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	12.55	12.55	12.51	13.3	0.0

Part27O n78 HPUE Ant 4 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		12.24		13.3	0.0
100	PI/2 BPSK	1	137		12.16			
100	PI/2 BPSK	1	271		11.99			
100	PI/2 BPSK	135	0		12.22		13.3	0.0
100	PI/2 BPSK	135	69		12.03		13.3	0.0
100	PI/2 BPSK	135	138		12.05		13.3	0.0
100	PI/2 BPSK	270	0		12.28			
100	QPSK	1	1		12.29		13.3	0.0
100	QPSK	1	137		12.23			
100	QPSK	1	271		12.21			
100	QPSK	135	0		12.22		13.3	0.0
100	QPSK	135	69		12.27		13.3	0.0
100	QPSK	135	138		12.11		13.3	0.0
100	QPSK	270	0		12.24			
100	16QAM	1	1		11.94		13.3	0.0
100	64QAM	1	1		12.09		13.3	0.0
100	256QAM	1	1		12.23		13.3	0.0
Channel				649668	650334	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	12.18	12.19	12.16	13.3	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	12.14	12.16	12.14	13.3	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	12.12	12.20	12.17	13.3	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	12.22	12.21	12.15	13.3	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	12.16	12.24	12.12	13.3	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	12.18	12.18	12.19	13.3	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	12.21	12.16	12.20	13.3	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	12.12	12.22	12.16	13.3	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	12.19	12.22	12.20	13.3	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	12.19	12.22	12.21	13.3	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	12.11	12.25	12.22	13.3	0.0

Part27Q n78 HPUE Ant 4 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		12.60		13.3	0.0
100	PI/2 BPSK	1	137		12.57			
100	PI/2 BPSK	1	271		12.34			
100	PI/2 BPSK	135	0		12.50		13.3	0.0
100	PI/2 BPSK	135	69		12.40		13.3	0.0
100	PI/2 BPSK	135	138		12.30		13.3	0.0
100	PI/2 BPSK	270	0		12.47			
100	QPSK	1	1		12.62		13.3	0.0
100	QPSK	1	137		12.50			
100	QPSK	1	271		12.61			
100	QPSK	135	0		12.33		13.3	0.0
100	QPSK	135	69		12.56		13.3	0.0
100	QPSK	135	138		12.46		13.3	0.0
100	QPSK	270	0		12.50			
100	16QAM	1	1		12.23		13.3	0.0
100	64QAM	1	1		12.43		13.3	0.0
100	256QAM	1	1		12.60		13.3	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	12.56	12.56	12.48	13.3	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	12.54	12.52	12.50	13.3	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	12.56	12.51	12.48	13.3	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	12.44	12.56	12.48	13.3	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	12.56	12.46	12.53	13.3	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.52	12.50	12.46	13.3	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	12.56	12.56	12.48	13.3	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	12.60	12.48	12.44	13.3	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.59	12.54	12.51	13.3	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	12.40	12.48	12.44	13.3	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	12.58	12.49	12.46	13.3	0.0

n48 Part 96 Ant 6 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	16.41	16.41	16.43	17.8	0.0
40	PI/2 BPSK	1	53	16.31	16.29	16.40		
40	PI/2 BPSK	1	104	16.19	16.26	16.19		
40	PI/2 BPSK	50	0	16.27	16.38	16.20	17.8	0.0
40	PI/2 BPSK	50	28	16.35	16.34	16.18	17.8	0.0
40	PI/2 BPSK	50	56	15.96	16.15	16.04	17.8	0.0
40	PI/2 BPSK	100	0	16.32	16.36	16.21		
40	QPSK	1	1	16.46	16.50	16.48	17.8	0.0
40	QPSK	1	53	16.41	16.41	16.17		
40	QPSK	1	104	16.26	16.41	16.22		
40	QPSK	50	0	16.22	16.38	16.11	17.8	0.0
40	QPSK	50	28	16.27	16.48	16.23	17.8	0.0
40	QPSK	50	56	16.17	16.38	16.25	17.8	0.0
40	QPSK	100	0	16.20	16.39	16.06		
40	16QAM	1	1	16.20	16.30	16.02	17.8	0.0
40	64QAM	1	1	16.35	16.34	16.23	17.8	0.0
40	256QAM	1	1	16.42	16.47	16.40	17.8	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	16.28	16.33	16.19	17.8	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	16.29	16.36	16.26	17.8	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	16.26	16.38	16.17	17.8	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	16.32	16.43	16.19	17.8	0.0

Part27O n77 HPUE Ant 6 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	12.89	12.98	12.80	14.2	0.0
100	PI/2 BPSK	1	137	12.79	12.85	12.79		
100	PI/2 BPSK	1	271	12.80	12.75	12.72		
100	PI/2 BPSK	135	0	12.77	12.87	12.74	14.2	0.0
100	PI/2 BPSK	135	69	12.81	12.80	12.66	14.2	0.0
100	PI/2 BPSK	135	138	12.62	12.76	12.64	14.2	0.0
100	PI/2 BPSK	270	0	12.71	12.77	12.60		
100	QPSK	1	1	13.00	13.05	12.94	14.2	0.0
100	QPSK	1	137	12.97	12.88	12.77		
100	QPSK	1	271	12.77	12.85	12.73		
100	QPSK	135	0	12.83	12.85	12.64	14.2	0.0
100	QPSK	135	69	12.77	12.92	12.75	14.2	0.0
100	QPSK	135	138	12.76	12.84	12.68	14.2	0.0
100	QPSK	270	0	12.67	12.90	12.65		
100	16QAM	1	1	12.76	12.75	12.49	14.2	0.0
100	64QAM	1	1	12.95	12.85	12.81	14.2	0.0
100	256QAM	1	1	12.84	12.92	12.69	14.2	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	12.77	12.78	12.80	14.2	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	12.76	12.83	12.75	14.2	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	12.82	12.76	12.74	14.2	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	12.73	12.78	12.70	14.2	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	12.79	12.83	12.81	14.2	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	12.78	12.80	12.71	14.2	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	12.72	12.78	12.70	14.2	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	12.73	12.76	12.72	14.2	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	12.82	12.79	12.76	14.2	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	12.74	12.83	12.80	14.2	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	12.82	12.77	12.78	14.2	0.0

Part27Q n77 HPUE Ant 6 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		13.12		14.2	0.0
100	PI/2 BPSK	1	137		13.03			
100	PI/2 BPSK	1	271		12.91			
100	PI/2 BPSK	135	0		13.08		14.2	0.0
100	PI/2 BPSK	135	69		12.96		14.2	0.0
100	PI/2 BPSK	135	138		12.95		14.2	0.0
100	PI/2 BPSK	270	0		13.03			
100	QPSK	1	1		13.30		14.2	0.0
100	QPSK	1	137		13.00			
100	QPSK	1	271		13.13			
100	QPSK	135	0		13.06		14.2	0.0
100	QPSK	135	69		13.22		14.2	0.0
100	QPSK	135	138		13.06		14.2	0.0
100	QPSK	270	0		13.12			
100	16QAM	1	1		13.01		14.2	0.0
100	64QAM	1	1		13.26		14.2	0.0
100	256QAM	1	1		12.90		14.2	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	13.04	13.14	13.10	14.2	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	13.13	13.22	13.09	14.2	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	13.07	13.16	13.01	14.2	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	13.05	13.14	13.02	14.2	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	13.09	13.22	13.11	14.2	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	13.12	13.21	13.11	14.2	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	13.11	13.16	13.11	14.2	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	13.13	13.12	13.11	14.2	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	13.06	13.19	13.08	14.2	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	13.11	13.16	13.07	14.2	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	13.06	13.22	13.09	14.2	0.0

Part27O n78 HPUE Ant 6 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		12.83		14.2	0.0
100	PI/2 BPSK	1	137		12.75			
100	PI/2 BPSK	1	271		12.57			
100	PI/2 BPSK	135	0		12.65		14.2	0.0
100	PI/2 BPSK	135	69		12.50		14.2	0.0
100	PI/2 BPSK	135	138		12.58		14.2	0.0
100	PI/2 BPSK	270	0		12.68			
100	QPSK	1	1		12.88		14.2	0.0
100	QPSK	1	137		12.64			
100	QPSK	1	271		12.73			
100	QPSK	135	0		12.71		14.2	0.0
100	QPSK	135	69		12.85		14.2	0.0
100	QPSK	135	138		12.82		14.2	0.0
100	QPSK	270	0		12.86			
100	16QAM	1	1		12.82		14.2	0.0
100	64QAM	1	1		12.86		14.2	0.0
100	256QAM	1	1		12.82		14.2	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	12.72	12.70	12.70	14.2	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	12.68	12.73	12.63	14.2	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	12.68	12.69	12.68	14.2	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	12.74	12.77	12.62	14.2	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	12.77	12.74	12.58	14.2	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	12.70	12.67	12.63	14.2	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	12.67	12.69	12.60	14.2	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	12.77	12.74	12.62	14.2	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	12.66	12.72	12.65	14.2	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	12.69	12.74	12.62	14.2	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	12.71	12.77	12.66	14.2	0.0

Part27Q n78 HPUE Ant 6 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		13.05		14.2	0.0
100	PI/2 BPSK	1	137		13.02			
100	PI/2 BPSK	1	271		12.74			
100	PI/2 BPSK	135	0		12.93		14.2	0.0
100	PI/2 BPSK	135	69		12.92		14.2	0.0
100	PI/2 BPSK	135	138		12.94		14.2	0.0
100	PI/2 BPSK	270	0		12.91			
100	QPSK	1	1		13.21		14.2	0.0
100	QPSK	1	137		13.06			
100	QPSK	1	271		13.04			
100	QPSK	135	0		12.91		14.2	0.0
100	QPSK	135	69		13.05		14.2	0.0
100	QPSK	135	138		12.99		14.2	0.0
100	QPSK	270	0		13.06			
100	16QAM	1	1		13.10		14.2	0.0
100	64QAM	1	1		13.16		14.2	0.0
100	256QAM	1	1		12.98		14.2	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	13.04	13.08	12.88	14.2	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	12.95	13.09	12.97	14.2	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	12.93	13.15	12.89	14.2	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	12.95	13.06	12.94	14.2	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	13.01	13.05	12.97	14.2	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.99	13.09	12.89	14.2	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	13.01	13.09	12.96	14.2	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	12.97	13.04	13.00	14.2	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.99	13.13	12.95	14.2	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	13.02	13.07	12.95	14.2	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	12.99	13.15	12.99	14.2	0.0

n48 Part 96 Ant 8 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	15.31	15.42	15.31	16.2	0.0
40	PI/2 BPSK	1	53	15.24	15.32	15.37		
40	PI/2 BPSK	1	104	15.14	15.25	15.12		
40	PI/2 BPSK	50	0	15.12	15.31	15.02	16.2	0.0
40	PI/2 BPSK	50	28	15.33	15.34	15.26	16.2	0.0
40	PI/2 BPSK	50	56	14.95	15.18	14.99	16.2	0.0
40	PI/2 BPSK	100	0	15.28	15.21	15.11		
40	QPSK	1	1	15.33	15.43	15.36	16.2	0.0
40	QPSK	1	53	15.33	15.35	15.18		
40	QPSK	1	104	15.18	15.38	15.18		
40	QPSK	50	0	15.12	15.22	15.09	16.2	0.0
40	QPSK	50	28	15.27	15.39	15.21	16.2	0.0
40	QPSK	50	56	15.25	15.26	15.20	16.2	0.0
40	QPSK	100	0	15.09	15.26	15.03		
40	16QAM	1	1	15.08	15.18	15.19	16.2	0.0
40	64QAM	1	1	15.23	15.31	15.22	16.2	0.0
40	256QAM	1	1	15.13	15.21	15.08	16.2	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	15.20	15.33	15.18	16.2	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	15.12	15.33	15.24	16.2	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	15.14	15.29	15.20	16.2	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	15.15	15.27	15.20	16.2	0.0

Part27O n77 HPUE Ant 8 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	14.27	14.39	14.19	15.5	0.0
100	PI/2 BPSK	1	137	14.16	14.22	14.16		
100	PI/2 BPSK	1	271	14.21	14.15	14.07		
100	PI/2 BPSK	135	0	14.06	14.22	14.06	15.5	0.0
100	PI/2 BPSK	135	69	14.12	14.25	14.11	15.5	0.0
100	PI/2 BPSK	135	138	13.86	14.15	14.02	15.5	0.0
100	PI/2 BPSK	270	0	14.12	14.16	14.08		
100	QPSK	1	1	14.36	14.47	14.30	15.5	0.0
100	QPSK	1	137	14.23	14.20	14.06		
100	QPSK	1	271	14.20	14.37	14.10		
100	QPSK	135	0	14.12	14.23	14.06	15.5	0.0
100	QPSK	135	69	14.30	14.45	14.34	15.5	0.0
100	QPSK	135	138	14.15	14.18	14.10	15.5	0.0
100	QPSK	270	0	14.07	14.16	13.93		
100	16QAM	1	1	14.17	14.12	13.96	15.5	0.0
100	64QAM	1	1	14.26	14.26	14.08	15.5	0.0
100	256QAM	1	1	14.28	14.33	14.25	15.5	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	14.32	14.29	14.18	15.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	14.26	14.29	14.22	15.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	14.21	14.23	14.19	15.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	14.26	14.33	14.22	15.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	14.22	14.25	14.14	15.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	14.25	14.34	14.18	15.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	14.28	14.29	14.19	15.5	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	14.25	14.25	14.20	15.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	14.25	14.33	14.23	15.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	14.22	14.33	14.12	15.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	14.30	14.26	14.13	15.5	0.0

Part27Q n77 HPUE Ant 8 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		14.62		15.5	0.0
100	PI/2 BPSK	1	137		14.56			
100	PI/2 BPSK	1	271		14.41			
100	PI/2 BPSK	135	0		14.53		15.5	0.0
100	PI/2 BPSK	135	69		14.47		15.5	0.0
100	PI/2 BPSK	135	138		14.36		15.5	0.0
100	PI/2 BPSK	270	0		14.56			
100	QPSK	1	1		14.75		15.5	0.0
100	QPSK	1	137		14.54			
100	QPSK	1	271		14.60			
100	QPSK	135	0		14.43		15.5	0.0
100	QPSK	135	69		14.67		15.5	0.0
100	QPSK	135	138		14.55		15.5	0.0
100	QPSK	270	0		14.53			
100	16QAM	1	1		14.73		15.5	0.0
100	64QAM	1	1		14.67		15.5	0.0
100	256QAM	1	1		14.29		15.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	14.61	14.72	14.61	15.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	14.58	14.62	14.62	15.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	14.67	14.69	14.53	15.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	14.60	14.68	14.56	15.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	14.57	14.73	14.56	15.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	14.65	14.65	14.53	15.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	14.66	14.72	14.50	15.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	14.62	14.65	14.61	15.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	14.62	14.65	14.60	15.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	14.57	14.66	14.59	15.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	14.64	14.68	14.61	15.5	0.0

Part27O n78 HPUE Ant 8 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		14.27		15.5	0.0
100	PI/2 BPSK	1	137		14.12			
100	PI/2 BPSK	1	271		14.04			
100	PI/2 BPSK	135	0		13.99		15.5	0.0
100	PI/2 BPSK	135	69		14.10		15.5	0.0
100	PI/2 BPSK	135	138		13.94		15.5	0.0
100	PI/2 BPSK	270	0		14.23			
100	QPSK	1	1		14.33		15.5	0.0
100	QPSK	1	137		14.26			
100	QPSK	1	271		14.19			
100	QPSK	135	0		14.10		15.5	0.0
100	QPSK	135	69		14.29		15.5	0.0
100	QPSK	135	138		14.17		15.5	0.0
100	QPSK	270	0		14.14			
100	16QAM	1	1		14.32		15.5	0.0
100	64QAM	1	1		14.30		15.5	0.0
100	256QAM	1	1		13.81		15.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	14.16	14.21	14.12	15.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	14.14	14.25	14.06	15.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	14.10	14.20	14.14	15.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	14.12	14.17	14.08	15.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	14.13	14.22	14.07	15.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	14.13	14.19	14.12	15.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	14.18	14.18	14.12	15.5	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	14.12	14.25	14.09	15.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	14.16	14.20	14.11	15.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	14.11	14.24	14.07	15.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	14.19	14.19	14.09	15.5	0.0

Part27Q n78 HPUE Ant 8 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		14.48		15.5	0.0
100	PI/2 BPSK	1	137		14.42			
100	PI/2 BPSK	1	271		14.35			
100	PI/2 BPSK	135	0		14.45		15.5	0.0
100	PI/2 BPSK	135	69		14.30		15.5	0.0
100	PI/2 BPSK	135	138		14.37		15.5	0.0
100	PI/2 BPSK	270	0		14.63			
100	QPSK	1	1		14.64		15.5	0.0
100	QPSK	1	137		14.61			
100	QPSK	1	271		14.62			
100	QPSK	135	0		14.51		15.5	0.0
100	QPSK	135	69		14.62		15.5	0.0
100	QPSK	135	138		14.58		15.5	0.0
100	QPSK	270	0		14.60			
100	16QAM	1	1		14.58		15.5	0.0
100	64QAM	1	1		14.53		15.5	0.0
100	256QAM	1	1		14.20		15.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	14.52	14.59	14.56	15.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	14.56	14.61	14.59	15.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	14.60	14.61	14.58	15.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	14.51	14.60	14.53	15.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	14.53	14.58	14.56	15.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	14.51	14.62	14.53	15.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	14.61	14.61	14.58	15.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	14.52	14.56	14.58	15.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	14.51	14.58	14.53	15.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	14.58	14.58	14.51	15.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	14.50	14.62	14.51	15.5	0.0

Full&Default&ECI4 Power Mode Other PA

n7 Ant 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	23.42	23.42	23.34	24.0	0.0
50	PI/2 BPSK	1	135	23.30	23.33	23.30		
50	PI/2 BPSK	1	268	23.15	23.19	23.16		
50	PI/2 BPSK	135	0	22.73	22.84	22.69	23.5	0.5
50	PI/2 BPSK	135	68	23.25	23.26	23.23	24.0	0.0
50	PI/2 BPSK	135	135	22.51	22.71	22.68	23.5	0.5
50	PI/2 BPSK	270	0	22.77	22.76	22.60		
50	QPSK	1	1	23.47	23.54	23.44	24.0	0.0
50	QPSK	1	135	23.39	23.38	23.28		
50	QPSK	1	268	23.18	23.41	23.18		
50	QPSK	135	0	22.27	22.28	22.10	23.0	1.0
50	QPSK	135	68	23.26	23.49	23.34	24.0	0.0
50	QPSK	135	135	22.33	22.37	22.14	23.0	1.0
50	QPSK	270	0	22.25	22.43	22.25		
50	16QAM	1	1	22.03	22.18	22.08	23.0	1.0
50	64QAM	1	1	20.50	20.60	20.53	21.5	2.5
50	256QAM	1	1	18.96	19.06	18.93	19.5	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	23.41	23.49	23.37	24.0	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	23.39	23.45	23.34	0.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	23.33	23.51	23.33	24.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	23.40	23.43	23.40	24.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	23.38	23.47	23.36	24.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	23.39	23.50	23.37	24.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.39	23.45	23.35	24.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	23.37	23.48	23.39	24.0	0.0

n25 Ant 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	23.16	23.16	23.11	24.0	0.0
40	PI/2 BPSK	1	108	23.03	23.08	23.01		
40	PI/2 BPSK	1	214	22.94	22.99	22.89		
40	PI/2 BPSK	108	0	22.48	22.52	22.38	23.5	0.5
40	PI/2 BPSK	108	54	23.03	23.01	23.02	24.0	0.0
40	PI/2 BPSK	108	108	22.32	22.50	22.29	23.5	0.5
40	PI/2 BPSK	216	0	22.41	22.62	22.42		
40	QPSK	1	1	23.23	23.30	23.18	24.0	0.0
40	QPSK	1	108	23.12	23.14	22.98		
40	QPSK	1	214	23.03	23.10	23.00		
40	QPSK	108	0	22.01	22.09	21.84	23.0	1.0
40	QPSK	108	54	23.03	23.19	22.92	24.0	0.0
40	QPSK	108	108	21.98	21.99	21.97	23.0	1.0
40	QPSK	216	0	21.89	22.04	21.85		
40	16QAM	1	1	22.00	22.02	21.87	23.0	1.0
40	64QAM	1	1	20.64	20.62	20.47	21.5	2.5
40	256QAM	1	1	19.21	19.29	19.28	19.5	4.5
Channel				371500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1	23.16	23.20	23.14	24.0	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	23.17	23.25	23.15	24.0	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	23.15	23.23	23.05	24.0	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	23.17	23.21	23.13	24.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	23.17	23.18	23.13	24.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	23.19	23.22	23.11	24.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	23.09	23.24	23.10	24.0	0.0

n66 Ant 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	22.99	23.12	22.93	24.0	0.0
40	PI/2 BPSK	1	108	22.96	22.93	22.99		
40	PI/2 BPSK	1	214	22.85	22.91	22.87		
40	PI/2 BPSK	108	0	22.39	22.45	22.34	23.5	0.5
40	PI/2 BPSK	108	54	22.93	22.89	22.87	24.0	0.0
40	PI/2 BPSK	108	108	22.20	22.33	22.16	23.5	0.5
40	PI/2 BPSK	216	0	22.38	22.53	22.25		
40	QPSK	1	1	23.14	23.18	23.02	24.0	0.0
40	QPSK	1	108	23.09	23.01	22.84		
40	QPSK	1	214	22.84	22.98	22.89		
40	QPSK	108	0	21.90	21.97	21.78	23.0	1.0
40	QPSK	108	54	22.87	23.11	22.85	24.0	0.0
40	QPSK	108	108	21.96	21.92	21.91	23.0	1.0
40	QPSK	216	0	21.87	21.97	21.74		
40	16QAM	1	1	21.87	21.83	21.66	23.0	1.0
40	64QAM	1	1	20.51	20.51	20.39	21.5	2.5
40	256QAM	1	1	19.08	19.13	19.15	19.5	4.5
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	23.00	23.09	22.90	24.0	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	23.04	23.03	22.90	24.0	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	23.07	23.06	22.96	24.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.01	23.11	22.87	24.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	22.99	23.12	22.97	24.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.02	23.09	22.89	24.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.10	23.05	22.99	24.0	0.0

n41 Ant 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				506202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	22.50	22.62	22.44	24.0	0.0
100	PI/2 BPSK	1	137	22.49	22.58	22.45		
100	PI/2 BPSK	1	271	22.46	22.55	22.46		
100	PI/2 BPSK	135	0	22.15	22.12	22.07	23.5	0.5
100	PI/2 BPSK	135	69	22.51	22.55	22.51	24.0	0.0
100	PI/2 BPSK	135	138	22.12	22.20	22.08	23.5	0.5
100	PI/2 BPSK	270	0	22.16	22.16	22.06		
100	QPSK	1	1	22.60	22.65	22.57	24.0	0.0
100	QPSK	1	137	22.50	22.52	22.45		
100	QPSK	1	271	22.51	22.57	22.53		
100	QPSK	135	0	21.56	21.69	21.55	23.0	1.0
100	QPSK	135	69	22.52	22.61	22.50	24.0	0.0
100	QPSK	135	138	21.59	21.63	21.63	23.0	1.0
100	QPSK	270	0	21.65	21.70	21.58		
100	16QAM	1	1	21.58	21.64	21.62	23.0	1.0
100	64QAM	1	1	20.08	20.14	20.05	21.5	2.5
100	256QAM	1	1	18.13	18.19	18.06	19.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	22.52	22.51	22.44	24.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2649.99		
80	QPSK	1	1	22.54	22.59	22.43	24.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	22.44	22.54	22.42	24.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	22.49	22.59	22.47	24.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	22.48	22.50	22.48	24.0	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	22.49	22.57	22.43	24.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.49	22.49	22.48	24.0	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	22.46	22.51	22.47	24.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	22.53	22.60	22.42	24.0	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	22.52	22.51	22.44	24.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.50	22.51	22.51	24.0	0.0
Channel				500700	259299	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	1296.495	2682.48		
15	QPSK	1	1	22.55	22.55	22.50	24.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	22.52	22.58	22.46	24.0	0.0

n41 HPUE Ant 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				506202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	25.69	25.81	25.80	27.0	0.0
100	PI/2 BPSK	1	137	25.73	25.75	25.61		
100	PI/2 BPSK	1	271	25.61	25.76	25.64		
100	PI/2 BPSK	135	0	25.37	25.26	25.28	26.5	0.5
100	PI/2 BPSK	135	69	25.66	25.74	25.72	27.0	0.0
100	PI/2 BPSK	135	138	25.27	25.40	25.30	26.5	0.5
100	PI/2 BPSK	270	0	25.35	25.32	25.31		
100	QPSK	1	1	25.81	25.90	25.72	27.0	0.0
100	QPSK	1	137	25.70	25.69	25.61		
100	QPSK	1	271	25.69	25.75	25.75		
100	QPSK	135	0	24.72	24.90	24.75	26.0	1.0
100	QPSK	135	69	25.73	25.81	25.65	27.0	0.0
100	QPSK	135	138	24.78	24.87	24.84	26.0	1.0
100	QPSK	270	0	24.90	24.91	24.83		
100	16QAM	1	1	24.75	24.87	24.80	26.0	1.0
100	64QAM	1	1	23.30	23.33	23.20	24.5	2.5
100	256QAM	1	1	21.35	21.36	21.32	22.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	25.73	25.86	25.58	27.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2649.99		
80	QPSK	1	1	25.71	25.80	25.64	27.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	25.77	25.88	25.59	27.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	25.72	25.81	25.68	27.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	25.74	25.82	25.61	27.0	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	25.69	25.79	25.68	27.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	25.71	25.77	25.59	27.0	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	25.74	25.82	25.60	27.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	25.78	25.81	25.70	27.0	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	25.70	25.80	25.58	27.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	25.70	25.87	25.58	27.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	25.68	25.80	25.67	27.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	25.78	25.87	25.59	27.0	0.0

n48 Part 96 Ant 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	22.68	22.83	22.65	24.0	0.0
40	PI/2 BPSK	1	53	22.70	22.84	22.61		
40	PI/2 BPSK	1	104	22.60	22.73	22.61		
40	PI/2 BPSK	50	0	22.40	22.37	22.33	23.5	0.5
40	PI/2 BPSK	50	28	22.65	22.70	22.67	24.0	0.0
40	PI/2 BPSK	50	56	22.27	22.45	22.26	23.5	0.5
40	PI/2 BPSK	100	0	22.39	22.39	22.22		
40	QPSK	1	1	22.74	22.86	22.79	24.0	0.0
40	QPSK	1	53	22.70	22.76	22.60		
40	QPSK	1	104	22.68	22.81	22.79		
40	QPSK	50	0	21.74	21.91	21.77	23.0	1.0
40	QPSK	50	28	22.75	22.82	22.71	24.0	0.0
40	QPSK	50	56	21.74	21.82	21.83	23.0	1.0
40	QPSK	100	0	21.87	21.94	21.72		
40	16QAM	1	1	21.76	21.80	21.81	23.0	1.0
40	64QAM	1	1	20.32	20.31	20.28	21.5	2.5
40	256QAM	1	1	18.32	18.45	18.29	19.5	4.5
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	22.68	22.81	22.71	24.0	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	22.63	22.75	22.73	24.0	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	22.59	22.73	22.75	24.0	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	22.66	22.83	22.75	24.0	0.0

Part27O n77 Ant 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	23.03	23.12	23.03	24.0	0.0
100	PI/2 BPSK	1	137	23.04	23.09	23.04		
100	PI/2 BPSK	1	271	23.11	23.09	23.08		
100	PI/2 BPSK	135	0	22.72	22.69	22.59	23.5	0.5
100	PI/2 BPSK	135	69	23.12	23.12	22.99	24.0	0.0
100	PI/2 BPSK	135	138	22.64	22.64	22.63	23.5	0.5
100	PI/2 BPSK	270	0	22.70	22.71	22.63		
100	QPSK	1	1	23.16	23.20	23.13	24.0	0.0
100	QPSK	1	137	23.05	23.05	23.00		
100	QPSK	1	271	23.05	23.12	23.04		
100	QPSK	135	0	22.10	22.17	22.11	23.0	1.0
100	QPSK	135	69	23.11	23.17	23.09	24.0	0.0
100	QPSK	135	138	22.20	22.22	22.12	23.0	1.0
100	QPSK	270	0	22.20	22.25	22.10		
100	16QAM	1	1	22.20	22.24	22.14	23.0	1.0
100	64QAM	1	1	20.69	20.73	20.68	21.5	2.5
100	256QAM	1	1	18.61	18.68	18.61	19.5	4.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	23.08	23.06	23.04	24.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	23.09	23.12	23.02	24.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	23.06	23.10	22.99	24.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	23.02	23.16	23.01	24.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	23.05	23.06	23.02	24.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	23.07	23.10	23.00	24.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	23.11	23.09	23.07	24.0	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	23.09	23.07	23.04	24.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	23.08	23.14	23.09	24.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	23.03	23.06	22.99	24.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	23.10	23.07	23.10	24.0	0.0

Part27O n77 HPUE Ant 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	26.01	26.15	26.08	27.0	0.0
100	PI/2 BPSK	1	137	26.14	26.23	26.08		
100	PI/2 BPSK	1	271	26.05	26.21	26.07		
100	PI/2 BPSK	135	0	25.70	25.78	25.72	26.5	0.5
100	PI/2 BPSK	135	69	26.10	26.20	26.09	27.0	0.0
100	PI/2 BPSK	135	138	25.76	25.84	25.75	26.5	0.5
100	PI/2 BPSK	270	0	25.69	25.84	25.74		
100	QPSK	1	1	26.22	26.30	26.25	27.0	0.0
100	QPSK	1	137	26.08	26.16	26.06		
100	QPSK	1	271	26.14	26.19	26.12		
100	QPSK	135	0	25.17	25.33	25.28	26.0	1.0
100	QPSK	135	69	26.17	26.26	26.18	27.0	0.0
100	QPSK	135	138	25.25	25.34	25.28	26.0	1.0
100	QPSK	270	0	25.26	25.35	25.22		
100	16QAM	1	1	25.19	25.28	25.14	26.0	1.0
100	64QAM	1	1	23.66	23.82	23.75	24.5	2.5
100	256QAM	1	1	21.68	21.76	21.63	22.5	4.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	26.11	26.20	26.15	27.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	26.07	26.14	26.09	27.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	26.02	26.07	26.10	27.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	25.97	26.15	26.03	27.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	26.02	26.16	26.12	27.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	26.03	26.17	26.03	27.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	26.06	26.06	26.07	27.0	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	25.97	26.13	26.10	27.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	25.99	26.13	26.04	27.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	25.97	26.13	26.09	27.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	25.98	26.11	26.04	27.0	0.0

Part27Q n77 Ant 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		23.02		24.0	0.0
100	PI/2 BPSK	1	137		23.04			
100	PI/2 BPSK	1	271		23.05			
100	PI/2 BPSK	135	0		22.56		23.5	0.5
100	PI/2 BPSK	135	69		22.98		24.0	0.0
100	PI/2 BPSK	135	138		22.55		23.5	0.5
100	PI/2 BPSK	270	0		22.59			
100	QPSK	1	1		23.10		24.0	0.0
100	QPSK	1	137		22.95			
100	QPSK	1	271		23.06			
100	QPSK	135	0		22.05		23.0	1.0
100	QPSK	135	69		23.08		24.0	0.0
100	QPSK	135	138		22.12		23.0	1.0
100	QPSK	270	0		22.14			
100	16QAM	1	1		22.17		23.0	1.0
100	64QAM	1	1		20.67		21.5	2.5
100	256QAM	1	1		18.60		19.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.98	23.04	22.91	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	23.00	23.00	22.95	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.97	22.99	22.97	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	23.02	22.96	22.92	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	22.99	22.97	23.01	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	23.03	23.02	22.94	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	22.95	22.96	23.01	24.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	22.95	23.00	22.98	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	23.00	22.99	22.94	24.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	23.06	22.98	22.99	24.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	23.04	22.93	23.01	24.0	0.0

Part27Q n77 HPUE Ant 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		26.01		27.0	0.0
100	PI/2 BPSK	1	137		26.16			
100	PI/2 BPSK	1	271		26.16			
100	PI/2 BPSK	135	0		25.66		26.5	0.5
100	PI/2 BPSK	135	69		26.16		27.0	0.0
100	PI/2 BPSK	135	138		25.73		26.5	0.5
100	PI/2 BPSK	270	0		25.79			
100	QPSK	1	1		26.19		27.0	0.0
100	QPSK	1	137		26.09			
100	QPSK	1	271		26.09			
100	QPSK	135	0		25.31		26.0	1.0
100	QPSK	135	69		26.13		27.0	0.0
100	QPSK	135	138		25.22		26.0	1.0
100	QPSK	270	0		25.24			
100	16QAM	1	1		25.18		26.0	1.0
100	64QAM	1	1		23.76		24.5	2.5
100	256QAM	1	1		21.69		22.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	26.01	26.15	26.07	27.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	26.06	26.08	26.07	27.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	26.07	26.14	26.10	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	26.09	26.06	26.06	27.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	26.06	26.09	26.09	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	26.03	26.06	26.03	27.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	26.06	26.08	26.08	27.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	26.01	26.14	26.05	27.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	26.02	26.11	26.07	27.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	25.98	26.15	26.07	27.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	26.07	26.10	26.06	27.0	0.0

Part27O n78 Ant 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		22.97		24.0	0.0
100	PI/2 BPSK	1	137		22.94			
100	PI/2 BPSK	1	271		22.98			
100	PI/2 BPSK	135	0		22.58		23.5	0.5
100	PI/2 BPSK	135	69		22.96		24.0	0.0
100	PI/2 BPSK	135	138		22.49		23.5	0.5
100	PI/2 BPSK	270	0		22.57			
100	QPSK	1	1		23.05		24.0	0.0
100	QPSK	1	137		22.94			
100	QPSK	1	271		22.98			
100	QPSK	135	0		22.08		23.0	1.0
100	QPSK	135	69		23.03		24.0	0.0
100	QPSK	135	138		22.13		23.0	1.0
100	QPSK	270	0		22.10			
100	16QAM	1	1		22.11		23.0	1.0
100	64QAM	1	1		20.61		21.5	2.5
100	256QAM	1	1		18.50		19.5	4.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	22.96	22.91	22.86	24.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	22.98	22.91	22.95	24.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	22.94	22.94	22.90	24.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	22.96	22.89	22.92	24.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	22.90	22.88	22.84	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	22.97	22.89	22.84	24.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	22.98	22.91	22.86	24.0	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	22.91	22.95	22.84	24.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	22.91	22.86	22.90	24.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	22.92	22.88	22.93	24.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	22.89	22.97	22.94	24.0	0.0

Part27O n78 HPUE Ant 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		25.95		27.0	0.0
100	PI/2 BPSK	1	137		26.12			
100	PI/2 BPSK	1	271		26.07			
100	PI/2 BPSK	135	0		25.68		26.5	0.5
100	PI/2 BPSK	135	69		26.05		27.0	0.0
100	PI/2 BPSK	135	138		25.69		26.5	0.5
100	PI/2 BPSK	270	0		25.66			
100	QPSK	1	1		26.14		27.0	0.0
100	QPSK	1	137		26.05			
100	QPSK	1	271		26.03			
100	QPSK	135	0		25.20		26.0	1.0
100	QPSK	135	69		26.09		27.0	0.0
100	QPSK	135	138		25.25		26.0	1.0
100	QPSK	270	0		25.24			
100	16QAM	1	1		25.13		26.0	1.0
100	64QAM	1	1		23.66		24.5	2.5
100	256QAM	1	1		21.61		22.5	4.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	25.91	26.10	25.98	27.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	25.92	26.10	25.97	27.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	25.97	26.01	25.97	27.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	25.92	26.06	26.04	27.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	26.01	26.02	25.95	27.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	25.98	26.11	25.99	27.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	25.95	26.01	26.04	27.0	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	25.97	26.07	26.04	27.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	25.94	26.04	25.97	27.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	25.94	26.01	25.99	27.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	25.92	26.08	26.05	27.0	0.0

Part27Q n78 Ant 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		22.82		24.0	0.0
100	PI/2 BPSK	1	137		22.84			
100	PI/2 BPSK	1	271		22.85			
100	PI/2 BPSK	135	0		22.39		23.5	0.5
100	PI/2 BPSK	135	69		22.82		24.0	0.0
100	PI/2 BPSK	135	138		22.38		23.5	0.5
100	PI/2 BPSK	270	0		22.38			
100	QPSK	1	1		22.94		24.0	0.0
100	QPSK	1	137		22.75			
100	QPSK	1	271		22.91			
100	QPSK	135	0		21.91		23.0	1.0
100	QPSK	135	69		22.93		24.0	0.0
100	QPSK	135	138		21.95		23.0	1.0
100	QPSK	270	0		21.97			
100	16QAM	1	1		22.07		23.0	1.0
100	64QAM	1	1		20.51		21.5	2.5
100	256QAM	1	1		18.51		19.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.82	22.90	22.75	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.80	22.85	22.80	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.82	22.85	22.79	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	22.80	22.91	22.73	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	22.88	22.90	22.74	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.87	22.92	22.80	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	22.83	22.89	22.75	24.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	22.87	22.89	22.78	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.77	22.90	22.74	24.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	22.82	22.87	22.77	24.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	22.79	22.93	22.77	24.0	0.0

Part27Q n78 HPUE Ant 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		25.87		27.0	0.0
100	PI/2 BPSK	1	137		26.06			
100	PI/2 BPSK	1	271		25.97			
100	PI/2 BPSK	135	0		25.57		26.5	0.5
100	PI/2 BPSK	135	69		25.99		27.0	0.0
100	PI/2 BPSK	135	138		25.54		26.5	0.5
100	PI/2 BPSK	270	0		25.64			
100	QPSK	1	1		26.10		27.0	0.0
100	QPSK	1	137		25.94			
100	QPSK	1	271		25.90			
100	QPSK	135	0		25.13		26.0	1.0
100	QPSK	135	69		25.95		27.0	0.0
100	QPSK	135	138		25.09		26.0	1.0
100	QPSK	270	0		25.13			
100	16QAM	1	1		25.05		26.0	1.0
100	64QAM	1	1		23.64		24.5	2.5
100	256QAM	1	1		21.59		22.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	25.83	26.02	25.94	27.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	25.84	25.97	25.96	27.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	25.84	25.98	25.94	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	25.90	26.03	25.95	27.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	25.82	26.06	25.96	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	25.87	26.00	25.97	27.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	25.89	25.96	25.88	27.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	25.91	26.01	25.89	27.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	25.86	25.95	25.93	27.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	25.84	26.03	25.95	27.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	25.92	26.02	25.88	27.0	0.0

Reduced Power Mode for Other PA ECI2

n7 Ant 3 ECI 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	15.48	15.53	15.51	16.4	0.0
50	PI/2 BPSK	1	135	15.41	15.46	15.35		
50	PI/2 BPSK	1	268	15.32	15.44	15.42		
50	PI/2 BPSK	135	0	15.46	15.43	15.45	16.4	0.0
50	PI/2 BPSK	135	68	15.45	15.40	15.38	16.4	0.0
50	PI/2 BPSK	135	135	15.31	15.42	15.29	16.4	0.0
50	PI/2 BPSK	270	0	15.33	15.37	15.40		
50	QPSK	1	1	15.60	15.62	15.57	16.4	0.0
50	QPSK	1	135	15.53	15.54	15.54		
50	QPSK	1	268	15.42	15.56	15.50		
50	QPSK	135	0	15.46	15.47	15.44	16.4	0.0
50	QPSK	135	68	15.50	15.53	15.39	16.4	0.0
50	QPSK	135	135	15.40	15.41	15.34	16.4	0.0
50	QPSK	270	0	15.42	15.52	15.38		
50	16QAM	1	1	15.40	15.43	15.43	16.4	0.0
50	64QAM	1	1	15.39	15.48	15.34	16.4	0.0
50	256QAM	1	1	15.41	15.48	15.43	16.4	0.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	15.57	15.58	15.51	16.4	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	15.47	15.55	15.44	0.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	15.49	15.58	15.43	16.4	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	15.50	15.59	15.45	16.4	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	15.46	15.57	15.48	16.4	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	15.48	15.53	15.49	16.4	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	15.53	15.51	15.45	16.4	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	15.49	15.54	15.51	16.4	0.0

n25 Ant 3 ECI 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	16.94	17.06	17.01	17.9	0.0
40	PI/2 BPSK	1	108	16.88	16.89	16.81		
40	PI/2 BPSK	1	214	16.85	16.89	16.85		
40	PI/2 BPSK	108	0	16.92	16.94	16.92	17.9	0.0
40	PI/2 BPSK	108	54	16.86	16.88	16.79	17.9	0.0
40	PI/2 BPSK	108	108	16.82	16.84	16.69	17.9	0.0
40	PI/2 BPSK	216	0	16.81	16.79	16.81		
40	QPSK	1	1	17.09	17.12	17.06	17.9	0.0
40	QPSK	1	108	16.95	17.01	17.02		
40	QPSK	1	214	16.96	17.04	16.90		
40	QPSK	108	0	17.01	17.02	16.91	17.9	0.0
40	QPSK	108	54	16.91	16.88	16.86	17.9	0.0
40	QPSK	108	108	16.85	17.00	16.85	17.9	0.0
40	QPSK	216	0	16.95	16.98	16.89		
40	16QAM	1	1	16.81	16.89	16.90	17.9	0.0
40	64QAM	1	1	16.90	16.86	16.86	17.9	0.0
40	256QAM	1	1	16.82	16.84	16.79	17.9	0.0
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1	16.98	17.02	16.95	17.9	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	17.03	17.05	16.92	17.9	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	16.98	17.08	17.00	17.9	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	17.02	17.08	16.97	17.9	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	17.04	17.03	16.92	17.9	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	17.06	17.01	16.98	17.9	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	16.94	17.07	16.94	17.9	0.0

n66 Ant 3 ECI 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	17.46	17.55	17.51	18.5	0.0
40	PI/2 BPSK	1	108	17.37	17.50	17.33		
40	PI/2 BPSK	1	214	17.29	17.38	17.35		
40	PI/2 BPSK	108	0	17.36	17.30	17.34	18.5	0.0
40	PI/2 BPSK	108	54	17.38	17.42	17.35	18.5	0.0
40	PI/2 BPSK	108	108	17.34	17.25	17.24	18.5	0.0
40	PI/2 BPSK	216	0	17.27	17.39	17.36		
40	QPSK	1	1	17.53	17.62	17.59	18.5	0.0
40	QPSK	1	108	17.45	17.54	17.54		
40	QPSK	1	214	17.43	17.50	17.42		
40	QPSK	108	0	17.44	17.47	17.49	18.5	0.0
40	QPSK	108	54	17.48	17.54	17.39	18.5	0.0
40	QPSK	108	108	17.33	17.36	17.30	18.5	0.0
40	QPSK	216	0	17.34	17.47	17.41		
40	16QAM	1	1	17.31	17.35	17.36	18.5	0.0
40	64QAM	1	1	17.35	17.36	17.31	18.5	0.0
40	256QAM	1	1	17.28	17.40	17.33	18.5	0.0
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	17.42	17.55	17.50	18.5	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	17.39	17.49	17.53	18.5	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	17.47	17.51	17.54	18.5	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	17.48	17.49	17.47	18.5	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	17.45	17.56	17.45	18.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	17.40	17.58	17.50	18.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	17.47	17.48	17.46	18.5	0.0

n41 HPUE Ant 3 ECI 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	15.81	15.85	15.89	16.8	0.0
100	PI/2 BPSK	1	137	15.74	15.78	15.75		
100	PI/2 BPSK	1	271	15.58	15.70	15.73		
100	PI/2 BPSK	135	0	15.65	15.76	15.59	16.8	0.0
100	PI/2 BPSK	135	69	15.65	15.86	15.68	16.8	0.0
100	PI/2 BPSK	135	138	15.73	15.59	15.52	16.8	0.0
100	PI/2 BPSK	270	0	15.63	15.62	15.59		
100	QPSK	1	1	15.90	15.97	15.93	16.8	0.0
100	QPSK	1	137	15.79	15.79	15.87		
100	QPSK	1	271	15.68	15.89	15.71		
100	QPSK	135	0	15.82	15.84	15.77	16.8	0.0
100	QPSK	135	69	15.90	15.94	15.87	16.8	0.0
100	QPSK	135	138	15.77	15.79	15.67	16.8	0.0
100	QPSK	270	0	15.76	15.82	15.68		
100	16QAM	1	1	15.63	15.65	15.67	16.8	0.0
100	64QAM	1	1	15.75	15.79	15.65	16.8	0.0
100	256QAM	1	1	15.76	15.79	15.72	16.8	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	15.81	15.87	15.82	16.8	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	15.83	15.88	15.79	16.8	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	15.75	15.93	15.85	16.8	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	15.83	15.90	15.78	16.8	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	15.85	15.89	15.82	16.8	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	15.76	15.85	15.85	16.8	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	15.83	15.90	15.84	16.8	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	15.77	15.85	15.90	16.8	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	15.83	15.87	15.78	16.8	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	15.81	15.83	15.85	16.8	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	15.80	15.87	15.80	16.8	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	15.79	15.87	15.81	16.8	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	15.81	15.92	15.81	16.8	0.0

n48 Part 96 Ant 6 ECI 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	13.56	13.64	13.52	14.7	0.0
40	PI/2 BPSK	1	53	13.66	13.68	13.56		
40	PI/2 BPSK	1	104	13.60	13.65	13.56		
40	PI/2 BPSK	50	0	13.54	13.66	13.64	14.7	0.0
40	PI/2 BPSK	50	28	13.54	13.64	13.59	14.7	0.0
40	PI/2 BPSK	50	56	13.56	13.60	13.62	14.7	0.0
40	PI/2 BPSK	100	0	13.57	13.66	13.64		
40	QPSK	1	1	13.74	13.80	13.77	14.7	0.0
40	QPSK	1	53	13.58	13.61	13.57		
40	QPSK	1	104	13.58	13.70	13.61		
40	QPSK	50	0	13.65	13.67	13.60	14.7	0.0
40	QPSK	50	28	13.70	13.75	13.68	14.7	0.0
40	QPSK	50	56	13.64	13.66	13.54	14.7	0.0
40	QPSK	100	0	13.58	13.71	13.62		
40	16QAM	1	1	13.60	13.67	13.60	14.7	0.0
40	64QAM	1	1	13.59	13.69	13.57	14.7	0.0
40	256QAM	1	1	13.57	13.70	13.55	14.7	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	13.57	13.63	13.63	14.7	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	13.57	13.65	13.62	14.7	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	13.58	13.67	13.61	14.7	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	13.56	13.61	13.60	14.7	0.0

Part27O n77 HPUE Ant 6 ECI 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	14.01	14.11	14.03	15.3	0.0
100	PI/2 BPSK	1	137	14.06	14.08	14.07		
100	PI/2 BPSK	1	271	13.97	14.08	14.02		
100	PI/2 BPSK	135	0	14.17	14.19	14.12	15.3	0.0
100	PI/2 BPSK	135	69	14.08	14.12	14.10	15.3	0.0
100	PI/2 BPSK	135	138	14.05	14.13	14.06	15.3	0.0
100	PI/2 BPSK	270	0	14.04	14.13	14.09		
100	QPSK	1	1	14.20	14.25	14.18	15.3	0.0
100	QPSK	1	137	14.02	14.09	13.98		
100	QPSK	1	271	14.11	14.17	14.12		
100	QPSK	135	0	14.13	14.18	14.07	15.3	0.0
100	QPSK	135	69	14.20	14.21	14.20	15.3	0.0
100	QPSK	135	138	14.09	14.11	14.09	15.3	0.0
100	QPSK	270	0	14.08	14.19	14.11		
100	16QAM	1	1	14.13	14.19	14.13	15.3	0.0
100	64QAM	1	1	14.11	14.14	14.07	15.3	0.0
100	256QAM	1	1	14.04	14.08	14.03	15.3	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	13.98	14.12	14.02	15.3	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	14.01	14.13	14.04	15.3	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	13.98	14.08	14.04	15.3	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	14.01	14.07	14.08	15.3	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	14.08	14.07	14.05	15.3	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	14.00	14.13	14.09	15.3	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	14.05	14.17	14.05	15.3	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	14.05	14.08	13.99	15.3	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	13.98	14.14	14.03	15.3	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	14.00	14.15	14.04	15.3	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	14.07	14.12	14.01	15.3	0.0

Part27Q n77 HPUE Ant 6 ECI 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		14.06		15.3	0.0
100	PI/2 BPSK	1	137		14.07			
100	PI/2 BPSK	1	271		14.06			
100	PI/2 BPSK	135	0		14.10		15.3	0.0
100	PI/2 BPSK	135	69		14.09		15.3	0.0
100	PI/2 BPSK	135	138		14.10		15.3	0.0
100	PI/2 BPSK	270	0		14.06			
100	QPSK	1	1		14.15		15.3	0.0
100	QPSK	1	137		14.08			
100	QPSK	1	271		14.11			
100	QPSK	135	0		14.04		15.3	0.0
100	QPSK	135	69		14.12		15.3	0.0
100	QPSK	135	138		14.04		15.3	0.0
100	QPSK	270	0		14.08			
100	16QAM	1	1		14.07		15.3	0.0
100	64QAM	1	1		14.06		15.3	0.0
100	256QAM	1	1		14.05		15.3	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	14.05	14.10	14.08	15.3	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	13.93	14.08	13.99	15.3	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	13.97	14.06	14.01	15.3	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	13.98	14.06	14.03	15.3	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	13.99	14.09	14.02	15.3	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	14.02	14.07	13.99	15.3	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	14.03	14.06	13.96	15.3	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	13.94	14.01	14.00	15.3	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	13.94	14.05	14.04	15.3	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	14.04	14.06	14.07	15.3	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	14.02	14.05	13.96	15.3	0.0

Part27O n78 HPUE Ant 6 ECI 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		14.07		15.3	0.0
100	PI/2 BPSK	1	137		14.02			
100	PI/2 BPSK	1	271		14.04			
100	PI/2 BPSK	135	0		14.17		15.3	0.0
100	PI/2 BPSK	135	69		14.01		15.3	0.0
100	PI/2 BPSK	135	138		14.08		15.3	0.0
100	PI/2 BPSK	270	0		14.07			
100	QPSK	1	1		14.21		15.3	0.0
100	QPSK	1	137		14.04			
100	QPSK	1	271		14.15			
100	QPSK	135	0		14.10		15.3	0.0
100	QPSK	135	69		14.13		15.3	0.0
100	QPSK	135	138		14.03		15.3	0.0
100	QPSK	270	0		14.11			
100	16QAM	1	1		14.14		15.3	0.0
100	64QAM	1	1		14.05		15.3	0.0
100	256QAM	1	1		14.02		15.3	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1				15.3	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1				15.3	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1				15.3	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1				15.3	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1				15.3	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1				15.3	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1				15.3	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1				15.3	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1				15.3	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1				15.3	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1				15.3	0.0

Part27Q n78 HPUE Ant 6 ECI 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		13.97		15.3	0.0
100	PI/2 BPSK	1	137		14.04			
100	PI/2 BPSK	1	271		14.02			
100	PI/2 BPSK	135	0		13.99		15.3	0.0
100	PI/2 BPSK	135	69		14.03		15.3	0.0
100	PI/2 BPSK	135	138		14.01		15.3	0.0
100	PI/2 BPSK	270	0		14.04			
100	QPSK	1	1		14.09		15.3	0.0
100	QPSK	1	137		14.06			
100	QPSK	1	271		14.08			
100	QPSK	135	0		14.02		15.3	0.0
100	QPSK	135	69		14.03		15.3	0.0
100	QPSK	135	138		13.97		15.3	0.0
100	QPSK	270	0		13.97			
100	16QAM	1	1		14.06		15.3	0.0
100	64QAM	1	1		14.02		15.3	0.0
100	256QAM	1	1		13.99		15.3	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	14.01	14.06	14.06	15.3	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	14.02	14.08	13.98	15.3	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	13.94	14.07	14.01	15.3	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	13.97	14.06	14.04	15.3	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	13.94	14.03	14.07	15.3	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	13.98	14.01	13.97	15.3	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	14.01	14.07	14.05	15.3	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	13.96	14.03	14.03	15.3	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	13.93	14.06	14.01	15.3	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	14.00	14.06	13.96	15.3	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	14.00	14.02	14.04	15.3	0.0

Reduced Power Mode for Other PA ECI3

n7 Ant 3 ECI 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	18.61	18.73	18.68	19.9	0.0
50	PI/2 BPSK	1	135	18.50	18.66	18.53		
50	PI/2 BPSK	1	268	18.50	18.55	18.53		
50	PI/2 BPSK	135	0	18.63	18.56	18.62	19.9	0.0
50	PI/2 BPSK	135	68	18.57	18.56	18.48	19.9	0.0
50	PI/2 BPSK	135	135	18.48	18.59	18.43	19.9	0.0
50	PI/2 BPSK	270	0	18.43	18.45	18.51		
50	QPSK	1	1	18.71	18.80	18.70	19.9	0.0
50	QPSK	1	135	18.70	18.65	18.66		
50	QPSK	1	268	18.61	18.67	18.68		
50	QPSK	135	0	18.55	18.63	18.55	19.9	0.0
50	QPSK	135	68	18.67	18.70	18.48	19.9	0.0
50	QPSK	135	135	18.50	18.50	18.43	19.9	0.0
50	QPSK	270	0	18.53	18.66	18.51		
50	16QAM	1	1	18.50	18.61	18.54	19.9	0.0
50	64QAM	1	1	18.57	18.63	18.51	19.9	0.0
50	256QAM	1	1	18.60	18.67	18.51	19.5	0.4
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3520	2535	2550		
40	QPSK	1	1	18.57	18.76	18.64	19.9	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	18.59	18.69	18.63	0.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	18.65	18.75	18.65	19.9	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	18.57	18.73	18.60	19.9	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	18.65	18.75	18.60	19.9	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	18.66	18.68	18.64	19.9	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	18.67	18.71	18.61	19.9	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	18.64	18.67	18.60	19.9	0.0

n25 Ant 3 ECI 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	20.09	20.18	20.06	21.1	0.0
40	PI/2 BPSK	1	108	20.02	20.13	20.12		
40	PI/2 BPSK	1	214	20.04	20.12	20.04		
40	PI/2 BPSK	108	0	20.14	20.17	20.08	21.1	0.0
40	PI/2 BPSK	108	54	20.15	20.16	20.05	21.1	0.0
40	PI/2 BPSK	108	108	20.06	20.17	19.98	21.1	0.0
40	PI/2 BPSK	216	0	20.18	20.20	20.12		
40	QPSK	1	1	20.14	20.23	20.19	21.1	0.0
40	QPSK	1	108	20.12	20.16	20.11		
40	QPSK	1	214	20.07	20.20	20.14		
40	QPSK	108	0	20.09	20.12	20.08	21.1	0.0
40	QPSK	108	54	20.17	20.19	20.08	21.1	0.0
40	QPSK	108	108	20.05	20.09	20.02	21.1	0.0
40	QPSK	216	0	20.12	20.14	20.10		
40	16QAM	1	1	20.09	20.15	20.06	21.1	0.0
40	64QAM	1	1	19.98	20.01	20.00	21.1	0.0
40	256QAM	1	1	19.21	19.29	19.28	19.5	1.6
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1	20.06	20.12	20.08	21.1	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	20.01	20.14	20.13	21.1	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	20.02	20.10	20.06	21.1	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	20.11	20.16	20.10	21.1	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	20.06	20.13	20.15	21.1	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	20.09	20.16	20.10	21.1	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	20.08	20.19	20.07	21.1	0.0

n66 Ant 3 ECI 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	20.49	20.55	20.46	21.6	0.0
40	PI/2 BPSK	1	108	20.43	20.54	20.46		
40	PI/2 BPSK	1	214	20.28	20.42	20.40		
40	PI/2 BPSK	108	0	20.43	20.52	20.37	21.6	0.0
40	PI/2 BPSK	108	54	20.43	20.51	20.31	21.6	0.0
40	PI/2 BPSK	108	108	20.29	20.43	20.38	21.6	0.0
40	PI/2 BPSK	216	0	20.47	20.51	20.47		
40	QPSK	1	1	20.50	20.63	20.54	21.6	0.0
40	QPSK	1	108	20.45	20.58	20.47		
40	QPSK	1	214	20.41	20.53	20.34		
40	QPSK	108	0	20.46	20.43	20.45	21.6	0.0
40	QPSK	108	54	20.48	20.56	20.45	21.6	0.0
40	QPSK	108	108	20.28	20.41	20.37	21.6	0.0
40	QPSK	216	0	20.35	20.46	20.36		
40	16QAM	1	1	20.43	20.44	20.36	21.6	0.0
40	64QAM	1	1	20.41	20.42	20.30	21.5	0.1
40	256QAM	1	1	19.08	19.13	19.15	19.5	2.1
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	20.37	20.59	20.48	21.6	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	20.46	20.50	20.41	21.6	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	20.36	20.52	20.42	21.6	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	20.35	20.49	20.44	21.6	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	20.40	20.48	20.46	21.6	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	20.42	20.50	20.41	21.6	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	20.44	20.53	20.51	21.6	0.0

n41 HPUE Ant 3 ECI 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	19.68	19.80	19.73	21.1	0.0
100	PI/2 BPSK	1	137	19.74	19.78	19.62		
100	PI/2 BPSK	1	271	19.72	19.77	19.72		
100	PI/2 BPSK	135	0	19.72	19.72	19.67	21.1	0.0
100	PI/2 BPSK	135	69	19.66	19.76	19.62	21.1	0.0
100	PI/2 BPSK	135	138	19.73	19.75	19.65	21.1	0.0
100	PI/2 BPSK	270	0	19.67	19.79	19.70		
100	QPSK	1	1	19.82	19.86	19.80	21.1	0.0
100	QPSK	1	137	19.69	19.78	19.63		
100	QPSK	1	271	19.69	19.80	19.66		
100	QPSK	135	0	19.75	19.72	19.73	21.1	0.0
100	QPSK	135	69	19.76	19.81	19.74	21.1	0.0
100	QPSK	135	138	19.71	19.70	19.72	21.1	0.0
100	QPSK	270	0	19.75	19.76	19.71		
100	16QAM	1	1	19.72	19.75	19.67	21.1	0.0
100	64QAM	1	1	19.72	19.72	19.69	21.1	0.0
100	256QAM	1	1	19.67	19.73	19.64	21.1	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	19.68	19.69	19.65	21.1	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	19.76	19.79	19.65	21.1	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	19.72	19.80	19.62	21.1	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	19.67	19.76	19.69	21.1	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	19.66	19.70	19.69	21.1	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	19.69	19.80	19.67	21.1	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	19.65	19.76	19.68	21.1	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	19.72	19.77	19.71	21.1	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	19.65	19.79	19.65	21.1	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	19.64	19.74	19.69	21.1	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	19.70	19.70	19.64	21.1	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	19.69	19.77	19.63	21.1	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	19.73	19.74	19.70	21.1	0.0

n48 Part 96 Ant 6 ECI 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	18.69	18.74	18.68	20.0	0.0
40	PI/2 BPSK	1	53	18.70	18.80	18.77		
40	PI/2 BPSK	1	104	18.73	18.75	18.68		
40	PI/2 BPSK	50	0	18.71	18.73	18.75	20.0	0.0
40	PI/2 BPSK	50	28	18.78	18.80	18.77	20.0	0.0
40	PI/2 BPSK	50	56	18.79	18.74	18.77	20.0	0.0
40	PI/2 BPSK	100	0	18.72	18.77	18.76		
40	QPSK	1	1	18.85	18.89	18.84	20.0	0.0
40	QPSK	1	53	18.76	18.79	18.73		
40	QPSK	1	104	18.73	18.77	18.70		
40	QPSK	50	0	18.78	18.73	18.78	20.0	0.0
40	QPSK	50	28	18.78	18.86	18.76	20.0	0.0
40	QPSK	50	56	18.78	18.74	18.78	20.0	0.0
40	QPSK	100	0	18.78	18.80	18.76		
40	16QAM	1	1	18.69	18.84	18.68	20.0	0.0
40	64QAM	1	1	18.74	18.83	18.72	20.0	0.0
40	256QAM	1	1	18.37	18.44	18.38	19.5	0.5
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3585.02	3624.99	3684.99		
30	QPSK	1	1	18.78	18.83	18.73	20.0	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	18.73	18.80	18.75	20.0	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	18.76	18.80	18.75	20.0	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	18.76	18.78	18.77	20.0	0.0

Part27O n77 HPUE Ant 6 ECI 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	18.10	18.13	18.06	19.3	0.0
100	PI/2 BPSK	1	137	18.06	18.08	18.08		
100	PI/2 BPSK	1	271	18.02	18.17	18.10		
100	PI/2 BPSK	135	0	18.11	18.16	18.08	19.3	0.0
100	PI/2 BPSK	135	69	18.11	18.14	18.13	19.3	0.0
100	PI/2 BPSK	135	138	18.08	18.17	18.08	19.3	0.0
100	PI/2 BPSK	270	0	18.01	18.09	18.08		
100	QPSK	1	1	18.18	18.23	18.20	19.3	0.0
100	QPSK	1	137	18.11	18.07	18.08		
100	QPSK	1	271	18.08	18.09	18.14		
100	QPSK	135	0	18.11	18.16	18.09	19.3	0.0
100	QPSK	135	69	18.12	18.21	18.06	19.3	0.0
100	QPSK	135	138	18.00	18.08	18.05	19.3	0.0
100	QPSK	270	0	18.10	18.19	18.15		
100	16QAM	1	1	18.06	18.17	18.08	19.3	0.0
100	64QAM	1	1	18.04	18.17	18.12	19.3	0.0
100	256QAM	1	1	18.02	18.11	18.07	19.3	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.04	18.12	18.12	19.3	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	18.06	18.08	18.13	19.3	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	18.05	18.12	18.02	19.3	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	18.06	18.12	18.07	19.3	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	18.06	18.11	18.02	19.3	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	18.04	18.08	18.06	19.3	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	18.02	18.14	18.11	19.3	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	18.08	18.13	18.10	19.3	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	18.10	18.06	18.09	19.3	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	18.11	18.15	18.08	19.3	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	18.07	18.13	18.11	19.3	0.0

Part27Q n77 HPUE Ant 6 ECI 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		18.15		19.3	0.0
100	PI/2 BPSK	1	137		18.12			
100	PI/2 BPSK	1	271		18.11			
100	PI/2 BPSK	135	0		18.15		19.3	0.0
100	PI/2 BPSK	135	69		18.05		19.3	0.0
100	PI/2 BPSK	135	138		18.15		19.3	0.0
100	PI/2 BPSK	270	0		18.04			
100	QPSK	1	1		18.25		19.3	0.0
100	QPSK	1	137		18.07			
100	QPSK	1	271		18.05			
100	QPSK	135	0		18.11		19.3	0.0
100	QPSK	135	69		18.19		19.3	0.0
100	QPSK	135	138		18.05		19.3	0.0
100	QPSK	270	0		18.16			
100	16QAM	1	1		18.15		19.3	0.0
100	64QAM	1	1		18.08		19.3	0.0
100	256QAM	1	1		18.08		19.3	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	18.14	18.20	18.18	19.3	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.04	18.19	18.15	19.3	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	18.08	18.13	18.09	19.3	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.13	18.15	18.11	19.3	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	18.03	18.09	18.09	19.3	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.10	18.12	18.10	19.3	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.10	18.09	18.07	19.3	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	18.02	18.15	18.10	19.3	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.09	18.11	18.13	19.3	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	18.08	18.15	18.15	19.3	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	18.12	18.11	18.10	19.3	0.0

Part27O n78 HPUE Ant 6 ECI 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		18.01		19.3	0.0
100	PI/2 BPSK	1	137		17.93			
100	PI/2 BPSK	1	271		18.06			
100	PI/2 BPSK	135	0		18.05		19.3	0.0
100	PI/2 BPSK	135	69		18.06		19.3	0.0
100	PI/2 BPSK	135	138		18.03		19.3	0.0
100	PI/2 BPSK	270	0		17.92			
100	QPSK	1	1		18.07		19.3	0.0
100	QPSK	1	137		17.89			
100	QPSK	1	271		17.93			
100	QPSK	135	0		18.00		19.3	0.0
100	QPSK	135	69		18.04		19.3	0.0
100	QPSK	135	138		17.99		19.3	0.0
100	QPSK	270	0		18.05			
100	16QAM	1	1		18.05		19.3	0.0
100	64QAM	1	1		17.99		19.3	0.0
100	256QAM	1	1		17.98		19.3	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	17.95	18.00	18.01	19.3	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	17.89	18.01	17.95	19.3	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	17.98	17.96	17.97	19.3	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	17.90	18.04	17.97	19.3	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	17.97	18.03	17.99	19.3	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	17.91	17.97	18.04	19.3	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	17.95	17.95	18.02	19.3	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	17.96	18.02	17.97	19.3	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	17.91	17.96	17.94	19.3	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	17.86	17.99	18.02	19.3	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	17.91	17.99	17.95	19.3	0.0

Part27Q n78 HPUE Ant 6 ECI 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		18.09		19.3	0.0
100	PI/2 BPSK	1	137		18.07			
100	PI/2 BPSK	1	271		18.09			
100	PI/2 BPSK	135	0		18.05		19.3	0.0
100	PI/2 BPSK	135	69		17.99		19.3	0.0
100	PI/2 BPSK	135	138		18.12		19.3	0.0
100	PI/2 BPSK	270	0		17.95			
100	QPSK	1	1		18.24		19.3	0.0
100	QPSK	1	137		17.98			
100	QPSK	1	271		18.04			
100	QPSK	135	0		18.05		19.3	0.0
100	QPSK	135	69		18.19		19.3	0.0
100	QPSK	135	138		17.99		19.3	0.0
100	QPSK	270	0		18.11			
100	16QAM	1	1		18.12		19.3	0.0
100	64QAM	1	1		18.08		19.3	0.0
100	256QAM	1	1		18.00		19.3	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	18.10	18.14	18.07	19.3	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.14	18.09	18.11	19.3	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	18.03	18.19	18.09	19.3	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.10	18.19	18.15	19.3	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	18.07	18.16	18.16	19.3	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.04	18.09	18.06	19.3	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.14	18.14	18.06	19.3	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	18.04	18.15	18.11	19.3	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.08	18.11	18.07	19.3	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	18.09	18.09	18.09	19.3	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	18.03	18.16	18.14	19.3	0.0

Reduced Power Mode for Other PA ECI5

n7 Ant 3 ECI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	20.39	20.46	20.32	21.7	0.0
50	PI/2 BPSK	1	135	20.34	20.40	20.30		
50	PI/2 BPSK	1	268	20.21	20.36	20.28		
50	PI/2 BPSK	135	0	20.30	20.38	20.31	21.7	0.0
50	PI/2 BPSK	135	68	20.33	20.30	20.22	21.7	0.0
50	PI/2 BPSK	135	135	20.24	20.34	20.27	21.7	0.0
50	PI/2 BPSK	270	0	20.28	20.34	20.28		
50	QPSK	1	1	20.41	20.48	20.45	21.7	0.0
50	QPSK	1	135	20.36	20.44	20.38		
50	QPSK	1	268	20.34	20.38	20.21		
50	QPSK	135	0	20.29	20.37	20.31	21.7	0.0
50	QPSK	135	68	20.30	20.46	20.35	21.7	0.0
50	QPSK	135	135	20.22	20.36	20.32	21.7	0.0
50	QPSK	270	0	20.31	20.39	20.27		
50	16QAM	1	1	20.30	20.34	20.26	21.7	0.0
50	64QAM	1	1	20.28	20.32	20.21	21.5	0.2
50	256QAM	1	1	18.96	19.06	18.93	19.5	2.2
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	20.37	20.45	20.31	21.7	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	20.33	20.42	20.35	0.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	20.31	20.35	20.32	21.7	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	20.30	20.40	20.31	21.7	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	20.26	20.37	20.30	21.7	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	20.32	20.41	20.38	21.7	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	20.36	20.39	20.35	21.7	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	20.29	20.45	20.39	21.7	0.0

n25 Ant 3 ECI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	21.48	21.64	21.49	22.7	0.0
40	PI/2 BPSK	1	108	21.49	21.65	21.55		
40	PI/2 BPSK	1	214	21.41	21.59	21.38		
40	PI/2 BPSK	108	0	21.45	21.63	21.50	22.7	0.0
40	PI/2 BPSK	108	54	21.57	21.50	21.48	22.7	0.0
40	PI/2 BPSK	108	108	21.43	21.49	21.45	22.7	0.0
40	PI/2 BPSK	216	0	21.45	21.53	21.50		
40	QPSK	1	1	21.49	21.68	21.60	22.7	0.0
40	QPSK	1	108	21.53	21.58	21.52		
40	QPSK	1	214	21.48	21.60	21.45		
40	QPSK	108	0	21.52	21.59	21.51	22.7	0.0
40	QPSK	108	54	21.53	21.63	21.55	22.7	0.0
40	QPSK	108	108	21.46	21.47	21.44	22.7	0.0
40	QPSK	216	0	21.48	21.54	21.51		
40	16QAM	1	1	21.46	21.48	21.43	22.7	0.0
40	64QAM	1	1	20.61	20.64	20.57	21.5	1.2
40	256QAM	1	1	19.21	19.29	19.28	19.5	3.2
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1	21.52	21.58	21.55	22.7	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	21.42	21.62	21.62	22.7	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	21.49	21.66	21.61	22.7	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	21.47	21.64	21.59	22.7	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	21.47	21.66	21.59	22.7	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	21.47	21.63	21.57	22.7	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	21.49	21.64	21.61	22.7	0.0

n66 Ant 3 ECI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	22.99	23.12	22.93	24.0	0.0
40	PI/2 BPSK	1	108	22.96	22.93	22.99		
40	PI/2 BPSK	1	214	22.85	22.91	22.87		
40	PI/2 BPSK	108	0	22.39	22.45	22.34	23.5	0.5
40	PI/2 BPSK	108	54	22.93	22.89	22.87	24.0	0.0
40	PI/2 BPSK	108	108	22.20	22.33	22.16	23.5	0.5
40	PI/2 BPSK	216	0	22.38	22.53	22.25		
40	QPSK	1	1	23.14	23.18	23.02	24.0	0.0
40	QPSK	1	108	23.09	23.01	22.84		
40	QPSK	1	214	22.84	22.98	22.89		
40	QPSK	108	0	21.90	21.97	21.78	23.0	1.0
40	QPSK	108	54	22.87	23.11	22.85	24.0	0.0
40	QPSK	108	108	21.96	21.92	21.91	23.0	1.0
40	QPSK	216	0	21.87	21.97	21.74		
40	16QAM	1	1	21.87	21.83	21.66	23.0	1.0
40	64QAM	1	1	20.51	20.51	20.39	21.5	2.5
40	256QAM	1	1	19.08	19.13	19.15	19.5	4.5
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	23.00	23.09	22.90	24.0	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	23.04	23.03	22.90	24.0	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	23.07	23.06	22.96	24.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.01	23.11	22.87	24.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	22.99	23.12	22.97	24.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.02	23.09	22.89	24.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.10	23.05	22.99	24.0	0.0

n41 HPUE Ant 3 ECI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	20.24	20.30	20.19	22.0	0.0
100	PI/2 BPSK	1	137	20.23	20.28	20.20		
100	PI/2 BPSK	1	271	20.28	20.32	20.21		
100	PI/2 BPSK	135	0	20.21	20.30	20.20	22.0	0.0
100	PI/2 BPSK	135	69	20.26	20.30	20.25	22.0	0.0
100	PI/2 BPSK	135	138	20.29	20.33	20.25	22.0	0.0
100	PI/2 BPSK	270	0	20.28	20.31	20.19		
100	QPSK	1	1	20.44	20.50	20.48	22.0	0.0
100	QPSK	1	137	20.31	20.30	20.19		
100	QPSK	1	271	20.25	20.27	20.23		
100	QPSK	135	0	20.26	20.35	20.23	22.0	0.0
100	QPSK	135	69	20.40	20.45	20.38	22.0	0.0
100	QPSK	135	138	20.29	20.28	20.18	22.0	0.0
100	QPSK	270	0	20.35	20.39	20.29		
100	16QAM	1	1	20.27	20.25	20.24	22.0	0.0
100	64QAM	1	1	20.26	20.36	20.19	22.0	0.0
100	256QAM	1	1	20.26	20.25	20.19	22.0	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	20.24	20.30	20.22	22.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	20.28	20.34	20.17	22.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	20.29	20.34	20.18	22.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	20.24	20.31	20.24	22.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	20.23	20.32	20.21	22.0	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	20.22	20.36	20.22	22.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	20.31	20.34	20.25	22.0	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	20.29	20.35	20.25	22.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	20.27	20.33	20.27	22.0	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	20.28	20.29	20.19	22.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	20.29	20.34	20.17	22.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	20.24	20.27	20.26	22.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	20.26	20.31	20.15	22.0	0.0

n48 Part 96 Ant 6 ECI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	17.50	17.63	17.60	19.1	0.0
40	PI/2 BPSK	1	53	17.53	17.63	17.56		
40	PI/2 BPSK	1	104	17.57	17.58	17.58		
40	PI/2 BPSK	50	0	17.54	17.66	17.60	19.1	0.0
40	PI/2 BPSK	50	28	17.51	17.61	17.59	19.1	0.0
40	PI/2 BPSK	50	56	17.47	17.58	17.58	19.1	0.0
40	PI/2 BPSK	100	0	17.54	17.62	17.57		
40	QPSK	1	1	17.75	17.79	17.72	19.1	0.0
40	QPSK	1	53	17.51	17.58	17.64		
40	QPSK	1	104	17.58	17.64	17.60		
40	QPSK	50	0	17.55	17.59	17.58	19.1	0.0
40	QPSK	50	28	17.71	17.74	17.63	19.1	0.0
40	QPSK	50	56	17.48	17.57	17.57	19.1	0.0
40	QPSK	100	0	17.61	17.71	17.70		
40	16QAM	1	1	17.54	17.66	17.56	19.1	0.0
40	64QAM	1	1	17.52	17.66	17.59	19.1	0.0
40	256QAM	1	1	17.53	17.69	17.58	19.1	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	17.57	17.60	17.66	19.1	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	17.49	17.63	17.61	19.1	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	17.58	17.66	17.60	19.1	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	17.50	17.60	17.60	19.1	0.0

Part27O n77 HPUE Ant 6 ECI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	17.68	17.72	17.55	19.2	0.0
100	PI/2 BPSK	1	137	17.64	17.74	17.63		
100	PI/2 BPSK	1	271	17.65	17.65	17.56		
100	PI/2 BPSK	135	0	17.74	17.67	17.65	19.2	0.0
100	PI/2 BPSK	135	69	17.72	17.75	17.56	19.2	0.0
100	PI/2 BPSK	135	138	17.63	17.72	17.67	19.2	0.0
100	PI/2 BPSK	270	0	17.69	17.66	17.56		
100	QPSK	1	1	17.80	17.85	17.79	19.2	0.0
100	QPSK	1	137	17.64	17.75	17.64		
100	QPSK	1	271	17.73	17.72	17.56		
100	QPSK	135	0	17.68	17.68	17.55	19.2	0.0
100	QPSK	135	69	17.67	17.80	17.77	19.2	0.0
100	QPSK	135	138	17.68	17.75	17.64	19.2	0.0
100	QPSK	270	0	17.76	17.78	17.69		
100	16QAM	1	1	17.71	17.66	17.56	19.2	0.0
100	64QAM	1	1	17.67	17.68	17.58	19.2	0.0
100	256QAM	1	1	17.65	17.73	17.63	19.2	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	17.70	17.72	17.57	19.2	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	17.64	17.65	17.63	19.2	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	17.73	17.71	17.66	19.2	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	17.68	17.66	17.65	19.2	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	17.63	17.72	17.62	19.2	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	17.65	17.72	17.57	19.2	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	17.73	17.69	17.66	19.2	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	17.67	17.76	17.66	19.2	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	17.64	17.72	17.55	19.2	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	17.65	17.64	17.66	19.2	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	17.73	17.68	17.65	19.2	0.0

Part27Q n77 HPUE Ant 6 ECI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		17.53		19.2	0.0
100	PI/2 BPSK	1	137		17.49			
100	PI/2 BPSK	1	271		17.51			
100	PI/2 BPSK	135	0		17.55		19.2	0.0
100	PI/2 BPSK	135	69		17.56		19.2	0.0
100	PI/2 BPSK	135	138		17.55		19.2	0.0
100	PI/2 BPSK	270	0		17.54			
100	QPSK	1	1		17.70		19.2	0.0
100	QPSK	1	137		17.54			
100	QPSK	1	271		17.59			
100	QPSK	135	0		17.54		19.2	0.0
100	QPSK	135	69		17.66		19.2	0.0
100	QPSK	135	138		17.53		19.2	0.0
100	QPSK	270	0		17.62			
100	16QAM	1	1		17.60		19.2	0.0
100	64QAM	1	1		17.54		19.2	0.0
100	256QAM	1	1		17.59		19.2	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.63	17.66	17.61	19.2	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.52	17.54	17.51	19.2	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	17.54	17.52	17.51	19.2	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.53	17.63	17.58	19.2	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.49	17.64	17.59	19.2	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.53	17.63	17.48	19.2	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	17.51	17.56	17.57	19.2	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	17.50	17.60	17.54	19.2	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.52	17.62	17.54	19.2	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	17.57	17.53	17.54	19.2	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	17.57	17.53	17.53	19.2	0.0

Part27O n78 HPUE Ant 6 ECI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		17.61		19.2	0.0
100	PI/2 BPSK	1	137		17.70			
100	PI/2 BPSK	1	271		17.52			
100	PI/2 BPSK	135	0		17.60		19.2	0.0
100	PI/2 BPSK	135	69		17.68		19.2	0.0
100	PI/2 BPSK	135	138		17.68		19.2	0.0
100	PI/2 BPSK	270	0		17.57			
100	QPSK	1	1		17.79		19.2	0.0
100	QPSK	1	137		17.66			
100	QPSK	1	271		17.68			
100	QPSK	135	0		17.62		19.2	0.0
100	QPSK	135	69		17.73		19.2	0.0
100	QPSK	135	138		17.63		19.2	0.0
100	QPSK	270	0		17.64			
100	16QAM	1	1		17.54		19.2	0.0
100	64QAM	1	1		17.56		19.2	0.0
100	256QAM	1	1		17.66		19.2	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	17.63	17.69	17.48	19.2	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	17.66	17.68	17.47	19.2	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	17.60	17.69	17.48	19.2	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	17.61	17.64	17.52	19.2	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	17.58	17.61	17.55	19.2	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	17.57	17.68	17.47	19.2	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	17.63	17.64	17.46	19.2	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	17.67	17.62	17.47	19.2	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	17.66	17.65	17.54	19.2	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	17.66	17.64	17.47	19.2	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	17.62	17.67	17.47	19.2	0.0

Part27Q n78 HPUE Ant 6 ECI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		17.45		19.2	0.0
100	PI/2 BPSK	1	137		17.37			
100	PI/2 BPSK	1	271		17.38			
100	PI/2 BPSK	135	0		17.47		19.2	0.0
100	PI/2 BPSK	135	69		17.52		19.2	0.0
100	PI/2 BPSK	135	138		17.47		19.2	0.0
100	PI/2 BPSK	270	0		17.41			
100	QPSK	1	1		17.64		19.2	0.0
100	QPSK	1	137		17.49			
100	QPSK	1	271		17.53			
100	QPSK	135	0		17.40		19.2	0.0
100	QPSK	135	69		17.64		19.2	0.0
100	QPSK	135	138		17.48		19.2	0.0
100	QPSK	270	0		17.60			
100	16QAM	1	1		17.56		19.2	0.0
100	64QAM	1	1		17.49		19.2	0.0
100	256QAM	1	1		17.49		19.2	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.52	17.57	17.59	19.2	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.57	17.54	17.57	19.2	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	17.61	17.53	17.54	19.2	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.59	17.54	17.48	19.2	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.49	17.62	17.48	19.2	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.59	17.58	17.54	19.2	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	17.57	17.59	17.56	19.2	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	17.57	17.60	17.52	19.2	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.55	17.53	17.54	19.2	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	17.54	17.55	17.51	19.2	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	17.56	17.57	17.55	19.2	0.0

Reduced Power Mode for Other PA ECI6

n7 Ant 3 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	18.13	18.19	18.11	19.3	0.0
50	PI/2 BPSK	1	135	18.00	18.12	18.00		
50	PI/2 BPSK	1	268	17.90	17.90	17.93		
50	PI/2 BPSK	135	0	17.98	18.11	17.90	19.3	0.0
50	PI/2 BPSK	135	68	17.98	18.04	17.95	19.3	0.0
50	PI/2 BPSK	135	135	17.78	17.98	17.93	19.3	0.0
50	PI/2 BPSK	270	0	18.03	17.96	17.79		
50	QPSK	1	1	18.18	18.29	18.21	19.3	0.0
50	QPSK	1	135	18.19	18.13	17.98		
50	QPSK	1	268	17.92	18.11	17.90		
50	QPSK	135	0	18.00	18.08	17.80	19.3	0.0
50	QPSK	135	68	17.99	18.19	18.04	19.3	0.0
50	QPSK	135	135	18.03	18.09	17.95	19.3	0.0
50	QPSK	270	0	17.97	18.12	18.05		
50	16QAM	1	1	17.73	17.91	17.83	19.3	0.0
50	64QAM	1	1	17.73	17.87	17.78	19.3	0.0
50	256QAM	1	1	18.24	18.26	18.14	19.3	0.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	18.18	18.21	18.16	19.3	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	18.15	18.30	18.14	0.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	18.21	18.22	18.17	19.3	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	18.09	18.28	18.18	19.3	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	18.16	18.26	18.19	19.3	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	18.15	18.21	18.17	19.3	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	18.14	18.24	18.19	19.3	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	18.15	18.26	18.16	19.3	0.0

n25 Ant 3 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	22.68	22.62	22.64	23.6	0.0
40	PI/2 BPSK	1	108	22.50	22.62	22.48		
40	PI/2 BPSK	1	214	22.48	22.54	22.38		
40	PI/2 BPSK	108	0	22.48	22.52	22.38	23.5	0.1
40	PI/2 BPSK	108	54	22.54	22.50	22.57	23.6	0.0
40	PI/2 BPSK	108	108	22.32	22.50	22.29	23.5	0.1
40	PI/2 BPSK	216	0	22.41	22.62	22.42		
40	QPSK	1	1	22.74	22.76	22.64	23.6	0.0
40	QPSK	1	108	22.60	22.60	22.51		
40	QPSK	1	214	22.56	22.66	22.52		
40	QPSK	108	0	22.01	22.09	21.84	23.0	0.6
40	QPSK	108	54	22.52	22.63	22.42	23.6	0.0
40	QPSK	108	108	21.98	21.99	21.97	23.0	0.6
40	QPSK	216	0	21.89	22.04	21.85		
40	16QAM	1	1	22.00	22.02	21.87	23.0	0.6
40	64QAM	1	1	20.64	20.62	20.47	21.5	2.1
40	256QAM	1	1	19.21	19.29	19.28	19.5	4.1
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1	22.64	22.66	22.61	23.6	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	22.68	22.72	22.59	23.6	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	22.73	22.69	22.55	23.6	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	22.66	22.69	22.67	23.6	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	22.74	22.73	22.57	23.6	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	22.69	22.69	22.61	23.6	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	22.70	22.67	22.57	23.6	0.0

n66 Ant 3 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	21.47	21.58	21.43	22.9	0.0
40	PI/2 BPSK	1	108	21.41	21.41	21.53		
40	PI/2 BPSK	1	214	21.33	21.46	21.40		
40	PI/2 BPSK	108	0	21.40	21.41	21.38	22.9	0.0
40	PI/2 BPSK	108	54	21.38	21.38	21.32	22.9	0.0
40	PI/2 BPSK	108	108	21.15	21.36	21.19	22.9	0.0
40	PI/2 BPSK	216	0	21.41	21.55	21.24		
40	QPSK	1	1	21.67	21.71	21.55	22.9	0.0
40	QPSK	1	108	21.57	21.50	21.36		
40	QPSK	1	214	21.28	21.47	21.38		
40	QPSK	108	0	21.42	21.52	21.23	22.9	0.0
40	QPSK	108	54	21.39	21.63	21.31	22.9	0.0
40	QPSK	108	108	21.44	21.40	21.46	22.9	0.0
40	QPSK	216	0	21.43	21.50	21.19		
40	16QAM	1	1	21.34	21.36	21.22	22.9	0.0
40	64QAM	1	1	20.51	20.51	20.39	21.5	1.4
40	256QAM	1	1	19.08	19.13	19.15	19.5	3.4
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	21.63	21.63	21.57	22.9	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	21.65	21.68	21.55	22.9	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	21.68	21.68	21.52	22.9	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	21.59	21.63	21.52	22.9	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	21.65	21.64	21.50	22.9	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	21.63	21.64	21.50	22.9	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	21.65	21.66	21.57	22.9	0.0

n41 HPUE Ant 3 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	19.24	19.33	19.26	20.4	0.0
100	PI/2 BPSK	1	137	19.31	19.31	19.21		
100	PI/2 BPSK	1	271	19.32	19.23	19.26		
100	PI/2 BPSK	135	0	19.30	19.26	19.27	20.4	0.0
100	PI/2 BPSK	135	69	19.23	19.29	19.27	20.4	0.0
100	PI/2 BPSK	135	138	19.25	19.30	19.26	20.4	0.0
100	PI/2 BPSK	270	0	19.31	19.31	19.27		
100	QPSK	1	1	19.40	19.44	19.38	20.4	0.0
100	QPSK	1	137	19.31	19.23	19.25		
100	QPSK	1	271	19.33	19.33	19.23		
100	QPSK	135	0	19.26	19.26	19.23	20.4	0.0
100	QPSK	135	69	19.38	19.41	19.31	20.4	0.0
100	QPSK	135	138	19.27	19.29	19.29	20.4	0.0
100	QPSK	270	0	19.34	19.35	19.30		
100	16QAM	1	1	19.33	19.31	19.27	20.4	0.0
100	64QAM	1	1	19.23	19.31	19.19	20.4	0.0
100	256QAM	1	1	19.24	19.30	19.25	20.4	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	19.25	19.24	19.25	20.4	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	19.26	19.35	19.27	20.4	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	19.23	19.26	19.26	20.4	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	19.27	19.31	19.28	20.4	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	19.32	19.33	19.24	20.4	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	19.24	19.23	19.26	20.4	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	19.33	19.28	19.23	20.4	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	19.28	19.32	19.26	20.4	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	19.30	19.34	19.19	20.4	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	19.30	19.24	19.18	20.4	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	19.31	19.27	19.27	20.4	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	19.29	19.31	19.19	20.4	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	19.26	19.29	19.24	20.4	0.0

n48 Part 96 Ant 6 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	19.51	19.64	19.58	21.0	0.0
40	PI/2 BPSK	1	53	19.53	19.58	19.55		
40	PI/2 BPSK	1	104	19.53	19.63	19.54		
40	PI/2 BPSK	50	0	19.59	19.68	19.61	21.0	0.0
40	PI/2 BPSK	50	28	19.57	19.65	19.61	21.0	0.0
40	PI/2 BPSK	50	56	19.58	19.64	19.57	21.0	0.0
40	PI/2 BPSK	100	0	19.56	19.64	19.53		
40	QPSK	1	1	19.71	19.75	19.68	21.0	0.0
40	QPSK	1	53	19.56	19.65	19.58		
40	QPSK	1	104	19.55	19.58	19.63		
40	QPSK	50	0	19.53	19.66	19.59	21.0	0.0
40	QPSK	50	28	19.61	19.72	19.63	21.0	0.0
40	QPSK	50	56	19.52	19.58	19.58	21.0	0.0
40	QPSK	100	0	19.61	19.69	19.64		
40	16QAM	1	1	19.49	19.61	19.64	21.0	0.0
40	64QAM	1	1	19.57	19.64	19.56	21.0	0.0
40	256QAM	1	1	18.14	18.22	18.13	19.5	1.5
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	19.50	19.62	19.64	21.0	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	19.54	19.66	19.63	21.0	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	19.56	19.69	19.60	21.0	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	19.56	19.65	19.58	21.0	0.0

Part27O n77 HPUE Ant 6 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.61	19.80	19.60	21.1	0.0
100	PI/2 BPSK	1	137	19.68	19.74	19.58		
100	PI/2 BPSK	1	271	19.62	19.75	19.62		
100	PI/2 BPSK	135	0	19.72	19.81	19.64	21.1	0.0
100	PI/2 BPSK	135	69	19.72	19.76	19.58	21.1	0.0
100	PI/2 BPSK	135	138	19.64	19.78	19.65	21.1	0.0
100	PI/2 BPSK	270	0	19.69	19.80	19.60		
100	QPSK	1	1	19.86	19.88	19.83	21.1	0.0
100	QPSK	1	137	19.67	19.74	19.56		
100	QPSK	1	271	19.65	19.77	19.58		
100	QPSK	135	0	19.72	19.76	19.58	21.1	0.0
100	QPSK	135	69	19.77	19.86	19.73	21.1	0.0
100	QPSK	135	138	19.72	19.80	19.61	21.1	0.0
100	QPSK	270	0	19.74	19.84	19.69		
100	16QAM	1	1	19.69	19.81	19.65	21.1	0.0
100	64QAM	1	1	19.67	19.81	19.66	21.1	0.0
100	256QAM	1	1	19.71	19.74	19.60	21.1	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	19.68	19.80	19.60	21.1	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	19.70	19.81	19.64	21.1	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	19.61	19.75	19.65	21.1	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	19.67	19.78	19.61	21.1	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	19.72	19.79	19.62	21.1	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	19.60	19.79	19.62	21.1	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	19.64	19.78	19.61	21.1	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	19.70	19.75	19.66	21.1	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	19.61	19.74	19.60	21.1	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	19.61	19.79	19.66	21.1	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	19.65	19.80	19.65	21.1	0.0

Part27Q n77 HPUE Ant 6 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.53		21.1	0.0
100	PI/2 BPSK	1	137		19.57			
100	PI/2 BPSK	1	271		19.53			
100	PI/2 BPSK	135	0		19.62		21.1	0.0
100	PI/2 BPSK	135	69		19.59		21.1	0.0
100	PI/2 BPSK	135	138		19.63		21.1	0.0
100	PI/2 BPSK	270	0		19.58			
100	QPSK	1	1		19.72		21.1	0.0
100	QPSK	1	137		19.52			
100	QPSK	1	271		19.57			
100	QPSK	135	0		19.60		21.1	0.0
100	QPSK	135	69		19.68		21.1	0.0
100	QPSK	135	138		19.63		21.1	0.0
100	QPSK	270	0		19.66			
100	16QAM	1	1		19.56		21.1	0.0
100	64QAM	1	1		19.59		21.1	0.0
100	256QAM	1	1		19.55		21.1	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.61	19.68	19.65	21.1	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.58	19.59	19.56	21.1	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.55	19.55	19.52	21.1	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.47	19.60	19.54	21.1	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.50	19.57	19.52	21.1	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.55	19.60	19.62	21.1	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.50	19.55	19.61	21.1	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	19.49	19.56	19.60	21.1	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.57	19.62	19.59	21.1	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	19.54	19.63	19.62	21.1	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	19.52	19.55	19.59	21.1	0.0

Part27O n78 HPUE Ant 6 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		19.74		21.1	0.0
100	PI/2 BPSK	1	137		19.63			
100	PI/2 BPSK	1	271		19.66			
100	PI/2 BPSK	135	0		19.69		21.1	0.0
100	PI/2 BPSK	135	69		19.66		21.1	0.0
100	PI/2 BPSK	135	138		19.66		21.1	0.0
100	PI/2 BPSK	270	0		19.78			
100	QPSK	1	1		19.83		21.1	0.0
100	QPSK	1	137		19.62			
100	QPSK	1	271		19.74			
100	QPSK	135	0		19.67		21.1	0.0
100	QPSK	135	69		19.79		21.1	0.0
100	QPSK	135	138		19.77		21.1	0.0
100	QPSK	270	0		19.76			
100	16QAM	1	1		19.68		21.1	0.0
100	64QAM	1	1		19.69		21.1	0.0
100	256QAM	1	1		19.67		21.1	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	19.54	19.69	19.54	21.1	0.0
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	19.57	19.70	19.55	21.1	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	19.57	19.76	19.52	21.1	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	19.65	19.67	19.57	21.1	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	19.66	19.74	19.54	21.1	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	19.58	19.69	19.54	21.1	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	19.58	19.68	19.57	21.1	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	19.60	19.77	19.49	21.1	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	19.63	19.69	19.51	21.1	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	19.58	19.74	19.53	21.1	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	19.63	19.71	19.49	21.1	0.0

Part27Q n78 HPUE Ant 6 ECI 6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.49		21.1	0.0
100	PI/2 BPSK	1	137		19.51			
100	PI/2 BPSK	1	271		19.40			
100	PI/2 BPSK	135	0		19.50		21.1	0.0
100	PI/2 BPSK	135	69		19.49		21.1	0.0
100	PI/2 BPSK	135	138		19.59		21.1	0.0
100	PI/2 BPSK	270	0		19.55			
100	QPSK	1	1		19.67		21.1	0.0
100	QPSK	1	137		19.49			
100	QPSK	1	271		19.52			
100	QPSK	135	0		19.56		21.1	0.0
100	QPSK	135	69		19.58		21.1	0.0
100	QPSK	135	138		19.49		21.1	0.0
100	QPSK	270	0		19.56			
100	16QAM	1	1		19.46		21.1	0.0
100	64QAM	1	1		19.51		21.1	0.0
100	256QAM	1	1		19.42		21.1	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.59	19.64	19.69	21.1	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.48	19.62	19.51	21.1	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.56	19.63	19.54	21.1	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.48	19.59	19.52	21.1	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.48	19.59	19.55	21.1	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.55	19.58	19.57	21.1	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.48	19.60	19.52	21.1	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	19.52	19.65	19.58	21.1	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.57	19.62	19.57	21.1	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	19.49	19.54	19.52	21.1	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	19.53	19.59	19.61	21.1	0.0

Reduced Power Mode for Other PA ECI9

n7 Ant 3 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	14.63	14.64	14.55	15.4	0.0
50	PI/2 BPSK	1	135	14.46	14.57	14.49		
50	PI/2 BPSK	1	268	14.37	14.42	14.42		
50	PI/2 BPSK	135	0	14.39	14.60	14.45	15.4	0.0
50	PI/2 BPSK	135	68	14.46	14.43	14.45	15.4	0.0
50	PI/2 BPSK	135	135	14.25	14.37	14.35	15.4	0.0
50	PI/2 BPSK	270	0	14.51	14.41	14.28		
50	QPSK	1	1	14.66	14.76	14.65	15.4	0.0
50	QPSK	1	135	14.60	14.61	14.53		
50	QPSK	1	268	14.39	14.59	14.33		
50	QPSK	135	0	14.45	14.45	14.30	15.4	0.0
50	QPSK	135	68	14.43	14.67	14.56	15.4	0.0
50	QPSK	135	135	14.56	14.59	14.29	15.4	0.0
50	QPSK	270	0	14.39	14.62	14.47		
50	16QAM	1	1	14.17	14.43	14.32	15.4	0.0
50	64QAM	1	1	14.19	14.36	14.24	15.4	0.0
50	256QAM	1	1	14.25	14.32	14.26	15.4	0.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	14.62	14.70	14.56	15.4	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	14.59	14.72	14.60	0.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	14.60	14.65	14.59	15.4	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	14.57	14.73	14.52	15.4	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	14.60	14.71	14.57	15.4	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	14.66	14.70	14.58	15.4	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	14.62	14.75	14.60	15.4	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	14.62	14.66	14.53	15.4	0.0

n25 Ant 3 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	16.99	16.88	16.92	18.1	0.0
40	PI/2 BPSK	1	108	16.76	16.86	16.79		
40	PI/2 BPSK	1	214	16.75	16.73	16.69		
40	PI/2 BPSK	108	0	16.73	16.75	16.70	18.1	0.0
40	PI/2 BPSK	108	54	16.81	16.75	16.81	18.1	0.0
40	PI/2 BPSK	108	108	16.59	16.82	16.53	18.1	0.0
40	PI/2 BPSK	216	0	16.69	16.91	16.69		
40	QPSK	1	1	17.01	17.12	16.92	18.1	0.0
40	QPSK	1	108	16.85	16.87	16.79		
40	QPSK	1	214	16.76	16.91	16.72		
40	QPSK	108	0	16.81	16.87	16.64	18.1	0.0
40	QPSK	108	54	16.84	16.92	16.72	18.1	0.0
40	QPSK	108	108	16.79	16.76	16.70	18.1	0.0
40	QPSK	216	0	16.70	16.85	16.68		
40	16QAM	1	1	16.77	16.79	16.70	18.1	0.0
40	64QAM	1	1	16.97	16.90	16.73	18.1	0.0
40	256QAM	1	1	17.03	17.09	17.09	18.1	0.0
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1	17.05	17.08	17.03	18.1	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	17.01	17.10	16.95	18.1	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	16.95	17.04	16.84	18.1	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	16.94	17.03	16.93	18.1	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	17.03	17.10	16.85	18.1	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	16.96	17.10	16.93	18.1	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	17.00	17.04	16.84	18.1	0.0

n66 Ant 3 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	16.48	16.58	16.42	17.8	0.0
40	PI/2 BPSK	1	108	16.40	16.42	16.47		
40	PI/2 BPSK	1	214	16.29	16.35	16.32		
40	PI/2 BPSK	108	0	16.38	16.46	16.35	17.8	0.0
40	PI/2 BPSK	108	54	16.44	16.41	16.34	17.8	0.0
40	PI/2 BPSK	108	108	16.19	16.30	16.17	17.8	0.0
40	PI/2 BPSK	216	0	16.34	16.52	16.25		
40	QPSK	1	1	16.53	16.60	16.56	17.8	0.0
40	QPSK	1	108	16.50	16.48	16.25		
40	QPSK	1	214	16.29	16.43	16.40		
40	QPSK	108	0	16.41	16.48	16.23	17.8	0.0
40	QPSK	108	54	16.34	16.53	16.29	17.8	0.0
40	QPSK	108	108	16.42	16.37	16.33	17.8	0.0
40	QPSK	216	0	16.35	16.38	16.18		
40	16QAM	1	1	16.33	16.28	16.11	17.8	0.0
40	64QAM	1	1	16.44	16.45	16.35	17.8	0.0
40	256QAM	1	1	16.57	16.59	16.56	17.8	0.0
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	16.56	16.59	16.48	17.8	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	16.57	16.54	16.56	17.8	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	16.55	16.55	16.59	17.8	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	16.58	16.59	16.51	17.8	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	16.54	16.59	16.49	17.8	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	16.59	16.59	16.58	17.8	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	16.59	16.53	16.58	17.8	0.0

n41 HPUE Ant 3 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	14.53	14.60	14.55	16.1	0.0
100	PI/2 BPSK	1	137	14.50	14.56	14.48		
100	PI/2 BPSK	1	271	14.34	14.49	14.47		
100	PI/2 BPSK	135	0	14.48	14.49	14.45	16.1	0.0
100	PI/2 BPSK	135	69	14.61	14.43	14.41	16.1	0.0
100	PI/2 BPSK	135	138	14.26	14.49	14.29	16.1	0.0
100	PI/2 BPSK	270	0	14.45	14.57	14.36		
100	QPSK	1	1	14.74	14.75	14.59	16.1	0.0
100	QPSK	1	137	14.68	14.68	14.45		
100	QPSK	1	271	14.46	14.65	14.39		
100	QPSK	135	0	14.54	14.50	14.33	16.1	0.0
100	QPSK	135	69	14.44	14.67	14.39	16.1	0.0
100	QPSK	135	138	14.41	14.45	14.46	16.1	0.0
100	QPSK	270	0	14.33	14.64	14.32		
100	16QAM	1	1	14.60	14.70	14.61	16.1	0.0
100	64QAM	1	1	14.68	14.73	14.68	16.1	0.0
100	256QAM	1	1	14.34	14.50	14.42	16.1	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	14.67	14.73	14.58	16.1	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	14.65	14.67	14.54	16.1	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	14.67	14.74	14.57	16.1	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	14.66	14.71	14.52	16.1	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	14.69	14.68	14.59	16.1	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	14.68	14.73	14.58	16.1	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	14.67	14.74	14.53	16.1	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	14.74	14.68	14.53	16.1	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	14.73	14.72	14.50	16.1	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	14.72	14.71	14.62	16.1	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	14.71	14.74	14.52	16.1	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	14.73	14.74	14.51	16.1	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	14.69	14.73	14.58	16.1	0.0

n48 Part 96 Ant 6 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	15.31	15.30	15.22	16.7	0.0
40	PI/2 BPSK	1	53	15.28	15.29	15.23		
40	PI/2 BPSK	1	104	15.21	15.27	15.21		
40	PI/2 BPSK	50	0	15.26	15.32	15.27	16.7	0.0
40	PI/2 BPSK	50	28	15.29	15.36	15.24	16.7	0.0
40	PI/2 BPSK	50	56	15.25	15.31	15.26	16.7	0.0
40	PI/2 BPSK	100	0	15.25	15.30	15.26		
40	QPSK	1	1	15.40	15.43	15.38	16.7	0.0
40	QPSK	1	53	15.20	15.36	15.21		
40	QPSK	1	104	15.19	15.32	15.26		
40	QPSK	50	0	15.25	15.33	15.23	16.7	0.0
40	QPSK	50	28	15.39	15.41	15.27	16.7	0.0
40	QPSK	50	56	15.27	15.36	15.17	16.7	0.0
40	QPSK	100	0	15.31	15.37	15.28		
40	16QAM	1	1	15.24	15.27	15.18	16.7	0.0
40	64QAM	1	1	15.26	15.32	15.25	16.7	0.0
40	256QAM	1	1	15.29	15.29	15.20	16.7	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	15.23	15.35	15.17	16.7	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	15.22	15.26	15.21	16.7	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	15.31	15.35	15.21	16.7	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	15.22	15.25	15.23	16.7	0.0

Part27O n77 HPUE Ant 6 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	12.53	12.63	12.66	14.1	0.0
100	PI/2 BPSK	1	137	12.52	12.64	12.56		
100	PI/2 BPSK	1	271	12.62	12.68	12.65		
100	PI/2 BPSK	135	0	12.60	12.68	12.57	14.1	0.0
100	PI/2 BPSK	135	69	12.55	12.69	12.66	14.1	0.0
100	PI/2 BPSK	135	138	12.58	12.63	12.65	14.1	0.0
100	PI/2 BPSK	270	0	12.62	12.59	12.60		
100	QPSK	1	1	12.74	12.76	12.72	14.1	0.0
100	QPSK	1	137	12.51	12.65	12.58		
100	QPSK	1	271	12.54	12.64	12.67		
100	QPSK	135	0	12.53	12.61	12.65	14.1	0.0
100	QPSK	135	69	12.66	12.73	12.60	14.1	0.0
100	QPSK	135	138	12.60	12.64	12.66	14.1	0.0
100	QPSK	270	0	12.63	12.71	12.68		
100	16QAM	1	1	12.56	12.67	12.61	14.1	0.0
100	64QAM	1	1	12.52	12.66	12.66	14.1	0.0
100	256QAM	1	1	12.52	12.66	12.64	14.1	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	12.63	12.63	12.59	14.1	0.0
Channel				648334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	12.58	12.62	12.67	14.1	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	12.57	12.68	12.65	14.1	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	12.52	12.64	12.66	14.1	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	12.59	12.67	12.59	14.1	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	12.53	12.66	12.65	14.1	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	12.60	12.69	12.58	14.1	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	12.61	12.70	12.61	14.1	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	12.56	12.70	12.61	14.1	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	12.57	12.60	12.58	14.1	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	12.57	12.62	12.68	14.1	0.0

Part27Q n77 HPUE Ant 6 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		12.53		14.1	0.0
100	PI/2 BPSK	1	137		12.54			
100	PI/2 BPSK	1	271		12.59			
100	PI/2 BPSK	135	0		12.61		14.1	0.0
100	PI/2 BPSK	135	69		12.55		14.1	0.0
100	PI/2 BPSK	135	138		12.52		14.1	0.0
100	PI/2 BPSK	270	0		12.59			
100	QPSK	1	1		12.70		14.1	0.0
100	QPSK	1	137		12.54			
100	QPSK	1	271		12.53			
100	QPSK	135	0		12.56		14.1	0.0
100	QPSK	135	69		12.66		14.1	0.0
100	QPSK	135	138		12.52		14.1	0.0
100	QPSK	270	0		12.64			
100	16QAM	1	1		12.63		14.1	0.0
100	64QAM	1	1		12.53		14.1	0.0
100	256QAM	1	1		12.52		14.1	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	12.61	12.66	12.63	14.1	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	12.51	12.65	12.61	14.1	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	12.51	12.61	12.60	14.1	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	12.52	12.56	12.53	14.1	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	12.60	12.60	12.57	14.1	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.54	12.61	12.55	14.1	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	12.55	12.61	12.54	14.1	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	12.55	12.56	12.59	14.1	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.52	12.63	12.58	14.1	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	12.52	12.64	12.63	14.1	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	12.58	12.64	12.56	14.1	0.0

Part27O n78 HPUE Ant 6 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		12.53		14.1	0.0
100	PI/2 BPSK	1	137		12.61			
100	PI/2 BPSK	1	271		12.65			
100	PI/2 BPSK	135	0		12.65		14.1	0.0
100	PI/2 BPSK	135	69		12.60		14.1	0.0
100	PI/2 BPSK	135	138		12.62		14.1	0.0
100	PI/2 BPSK	270	0		12.48			
100	QPSK	1	1		12.74		14.1	0.0
100	QPSK	1	137		12.54			
100	QPSK	1	271		12.61			
100	QPSK	135	0		12.56		14.1	0.0
100	QPSK	135	69		12.67		14.1	0.0
100	QPSK	135	138		12.61		14.1	0.0
100	QPSK	270	0		12.64			
100	16QAM	1	1		12.57		14.1	0.0
100	64QAM	1	1		12.59		14.1	0.0
100	256QAM	1	1		12.62		14.1	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1				14.1	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1				14.1	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1				14.1	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1				14.1	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1				14.1	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1				14.1	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1				14.1	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1				14.1	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1				14.1	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1				14.1	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1				14.1	0.0

Part27Q n78 HPUE Ant 6 ECI 9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		12.45		14.1	0.0
100	PI/2 BPSK	1	137		12.47			
100	PI/2 BPSK	1	271		12.48			
100	PI/2 BPSK	135	0		12.57		14.1	0.0
100	PI/2 BPSK	135	69		12.49		14.1	0.0
100	PI/2 BPSK	135	138		12.47		14.1	0.0
100	PI/2 BPSK	270	0		12.48			
100	QPSK	1	1		12.68		14.1	0.0
100	QPSK	1	137		12.43			
100	QPSK	1	271		12.52			
100	QPSK	135	0		12.56		14.1	0.0
100	QPSK	135	69		12.65		14.1	0.0
100	QPSK	135	138		12.41		14.1	0.0
100	QPSK	270	0		12.56			
100	16QAM	1	1		12.61		14.1	0.0
100	64QAM	1	1		12.42		14.1	0.0
100	256QAM	1	1		12.48		14.1	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1				14.1	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1				14.1	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1				14.1	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1				14.1	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1				14.1	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1				14.1	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1				14.1	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1				14.1	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1				14.1	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1				14.1	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1				14.1	0.0

Reduced Power Mode for Other PA ECI10

n7 Ant 3 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2526	2535	2545		
50	PI/2 BPSK	1	1	16.41	16.47	16.33		
50	PI/2 BPSK	1	135	16.34	16.34	16.25	17.8	0.0
50	PI/2 BPSK	1	268	16.13	16.23	16.21		
50	PI/2 BPSK	135	0	16.22	16.30	16.20	17.8	0.0
50	PI/2 BPSK	135	68	16.31	16.26	16.28	17.8	0.0
50	PI/2 BPSK	135	135	15.98	16.24	16.24	17.8	0.0
50	PI/2 BPSK	270	0	16.26	16.31	16.06		
50	QPSK	1	1	16.46	16.54	16.41		
50	QPSK	1	135	16.39	16.39	16.34	17.8	0.0
50	QPSK	1	268	16.21	16.42	16.17		
50	QPSK	135	0	16.25	16.32	16.05	17.8	0.0
50	QPSK	135	68	16.25	16.49	16.32	17.8	0.0
50	QPSK	135	135	16.28	16.38	16.19	17.8	0.0
50	QPSK	270	0	16.23	16.47	16.21		
50	16QAM	1	1	15.97	16.17	16.11	17.8	0.0
50	64QAM	1	1	16.01	16.07	16.03	17.8	0.0
50	256QAM	1	1	16.45	16.51	16.44	17.8	0.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	16.41	16.46	16.34	17.8	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	16.38	16.49	16.37	0.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	16.39	16.50	16.32	17.8	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	16.42	16.50	16.36	17.8	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	16.41	16.46	16.41	17.8	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	16.38	16.52	16.39	17.8	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	16.35	16.44	16.43	17.8	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	16.37	16.46	16.43	17.8	0.0

n25 Ant 3 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI/2 BPSK	1	1	21.69	21.61	21.57		
40	PI/2 BPSK	1	108	21.58	21.53	21.48	22.8	0.0
40	PI/2 BPSK	1	214	21.47	21.47	21.35		
40	PI/2 BPSK	108	0	21.48	21.48	21.37	22.8	0.0
40	PI/2 BPSK	108	54	21.50	21.52	21.50	22.8	0.0
40	PI/2 BPSK	108	108	21.32	21.52	21.27	22.8	0.0
40	PI/2 BPSK	216	0	21.39	21.66	21.47		
40	QPSK	1	1	21.76	21.85	21.66		
40	QPSK	1	108	21.65	21.61	21.46	22.8	0.0
40	QPSK	1	214	21.49	21.64	21.56		
40	QPSK	108	0	21.52	21.58	21.29	22.8	0.0
40	QPSK	108	54	21.49	21.63	21.43	22.8	0.0
40	QPSK	108	108	21.49	21.48	21.46	22.8	0.0
40	QPSK	216	0	21.38	21.50	21.35		
40	16QAM	1	1	21.47	21.48	21.34	22.8	0.0
40	64QAM	1	1	20.64	20.62	20.47	21.5	1.3
40	256QAM	1	1	19.21	19.29	19.28	19.5	3.3
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1	21.74	21.76	21.72	22.8	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	21.61	21.73	21.69	22.8	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	21.67	21.70	21.67	22.8	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	21.67	21.77	21.60	22.8	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	21.71	21.71	21.60	22.8	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	21.71	21.77	21.66	22.8	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	21.70	21.73	21.68	22.8	0.0

n66 Ant 3 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	19.45	19.56	19.46		
40	PI/2 BPSK	1	108	19.48	19.41	19.54	20.9	0.0
40	PI/2 BPSK	1	214	19.34	19.45	19.37		
40	PI/2 BPSK	108	0	19.41	19.42	19.28	20.9	0.0
40	PI/2 BPSK	108	54	19.46	19.34	19.33	20.9	0.0
40	PI/2 BPSK	108	108	19.24	19.39	19.15	20.9	0.0
40	PI/2 BPSK	216	0	19.35	19.53	19.31		
40	QPSK	1	1	19.59	19.67	19.48		
40	QPSK	1	108	19.54	19.54	19.39	20.9	0.0
40	QPSK	1	214	19.33	19.49	19.41		
40	QPSK	108	0	19.50	19.51	19.47	20.9	0.0
40	QPSK	108	54	19.52	19.66	19.58	20.9	0.0
40	QPSK	108	108	19.43	19.47	19.44	20.9	0.0
40	QPSK	216	0	19.35	19.42	19.20		
40	16QAM	1	1	19.35	19.38	19.12	20.9	0.0
40	64QAM	1	1	19.52	19.56	19.38	20.9	0.0
40	256QAM	1	1	19.08	19.13	19.15	19.5	1.4
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	19.44	19.60	19.35	20.9	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	19.52	19.61	19.38	20.9	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	19.49	19.55	19.42	20.9	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	19.51	19.56	19.42	20.9	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	19.51	19.53	19.45	20.9	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	19.46	19.55	19.36	20.9	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	19.55	19.53	19.34	20.9	0.0

n41 HPUE Ant 3 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	15.30	15.27	15.28	16.4	0.0
100	PI/2 BPSK	1	137	15.22	15.31	15.20		
100	PI/2 BPSK	1	271	15.20	15.31	15.22		
100	PI/2 BPSK	135	0	15.30	15.26	15.19	16.4	0.0
100	PI/2 BPSK	135	69	15.29	15.26	15.20	16.4	0.0
100	PI/2 BPSK	135	138	15.23	15.23	15.21	16.4	0.0
100	PI/2 BPSK	270	0	15.21	15.23	15.20		
100	QPSK	1	1	15.32	15.40	15.36	16.4	0.0
100	QPSK	1	137	15.20	15.31	15.21		
100	QPSK	1	271	15.25	15.24	15.26		
100	QPSK	135	0	15.26	15.26	15.29	16.4	0.0
100	QPSK	135	69	15.36	15.38	15.34	16.4	0.0
100	QPSK	135	138	15.25	15.23	15.24	16.4	0.0
100	QPSK	270	0	15.33	15.35	15.32		
100	16QAM	1	1	15.26	15.26	15.24	16.4	0.0
100	64QAM	1	1	15.27	15.24	15.21	16.4	0.0
100	256QAM	1	1	15.20	15.24	15.21	16.4	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	15.23	15.32	15.28	16.4	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	15.28	15.30	15.29	16.4	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	15.27	15.28	15.26	16.4	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	15.23	15.25	15.28	16.4	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	15.26	15.24	15.21	16.4	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	15.24	15.27	15.30	16.4	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	15.30	15.23	15.22	16.4	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	15.28	15.29	15.24	16.4	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	15.24	15.25	15.25	16.4	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	15.20	15.22	15.27	16.4	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	15.23	15.23	15.26	16.4	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	15.19	15.22	15.23	16.4	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	15.25	15.21	15.25	16.4	0.0

n48 Part 96 Ant 6 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	14.21	14.28	14.21	15.4	0.0
40	PI/2 BPSK	1	53	14.22	14.26	14.23		
40	PI/2 BPSK	1	104	14.28	14.32	14.25		
40	PI/2 BPSK	50	0	14.21	14.23	14.21	15.4	0.0
40	PI/2 BPSK	50	28	14.21	14.33	14.24	15.4	0.0
40	PI/2 BPSK	50	56	14.19	14.29	14.19	15.4	0.0
40	PI/2 BPSK	100	0	14.20	14.25	14.15		
40	QPSK	1	1	14.40	14.42	14.38	15.4	0.0
40	QPSK	1	53	14.28	14.24	14.23		
40	QPSK	1	104	14.24	14.33	14.17		
40	QPSK	50	0	14.18	14.25	14.13	15.4	0.0
40	QPSK	50	28	14.37	14.40	14.27	15.4	0.0
40	QPSK	50	56	14.28	14.24	14.15	15.4	0.0
40	QPSK	100	0	14.32	14.36	14.27		
40	16QAM	1	1	14.23	14.28	14.24	15.4	0.0
40	64QAM	1	1	14.23	14.29	14.22	15.4	0.0
40	256QAM	1	1	14.30	14.31	14.17	15.4	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	14.29	14.23	14.22	15.4	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	14.26	14.33	14.25	15.4	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	14.20	14.25	14.22	15.4	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	14.19	14.29	14.16	15.4	0.0

Part27O n77 HPUE Ant 6 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	12.64	12.76	12.73	14.2	0.0
100	PI/2 BPSK	1	137	12.61	12.85	12.73		
100	PI/2 BPSK	1	271	12.64	12.84	12.66		
100	PI/2 BPSK	135	0	12.66	12.81	12.69	14.2	0.0
100	PI/2 BPSK	135	69	12.63	12.85	12.64	14.2	0.0
100	PI/2 BPSK	135	138	12.66	12.85	12.65	14.2	0.0
100	PI/2 BPSK	270	0	12.60	12.75	12.66		
100	QPSK	1	1	12.89	12.95	12.91	14.2	0.0
100	QPSK	1	137	12.62	12.83	12.64		
100	QPSK	1	271	12.71	12.84	12.62		
100	QPSK	135	0	12.62	12.77	12.67	14.2	0.0
100	QPSK	135	69	12.85	12.92	12.88	14.2	0.0
100	QPSK	135	138	12.65	12.80	12.63	14.2	0.0
100	QPSK	270	0	12.74	12.88	12.75		
100	16QAM	1	1	12.71	12.84	12.70	14.2	0.0
100	64QAM	1	1	12.64	12.80	12.73	14.2	0.0
100	256QAM	1	1	12.67	12.84	12.70	14.2	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	12.69	12.74	12.65	14.2	0.0
Channel				648334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	12.67	12.85	12.68	14.2	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	12.65	12.82	12.64	14.2	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	12.67	12.79	12.71	14.2	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	12.63	12.86	12.70	14.2	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	12.71	12.75	12.67	14.2	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	12.64	12.74	12.69	14.2	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	12.71	12.77	12.68	14.2	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	12.66	12.76	12.68	14.2	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	12.66	12.78	12.70	14.2	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	12.67	12.76	12.62	14.2	0.0

Part27Q n77 HPUE Ant 6 ECI 10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		13.17		14.2	0.0
100	PI/2 BPSK	1	137		13.09			
100	PI/2 BPSK	1	271		13.10			
100	PI/2 BPSK	135	0		13.12		14.2	0.0
100	PI/2 BPSK	135	69		13.06		14.2	0.0
100	PI/2 BPSK	135	138		13.09		14.2	0.0
100	PI/2 BPSK	270	0		13.17			
100	QPSK	1	1		13.25		14.2	0.0
100	QPSK	1	137		13.14			
100	QPSK	1	271		13.15			
100	QPSK	135	0		13.17		14.2	0.0
100	QPSK	135	69		13.22		14.2	0.0
100	QPSK	135	138		13.06		14.2	0.0
100	QPSK	270	0		13.20			
100	16QAM	1	1		13.14		14.2	0.0
100	64QAM	1	1		13.16		14.2	0.0
100	256QAM	1	1		13.15		14.2	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	13.09	13.15	13.14	14.2	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	13.04	13.03	13.07	14.2	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	13.07	13.11	13.08	14.2	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	13.05	13.02	13.07	14.2	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	12.96	13.06	13.06	14.2	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.99	13.04	13.02	14.2	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	12.95	13.09	13.08	14.2	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	12.97	13.09	13.10	14.2	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.98	13.03	13.09	14.2	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	13.02	13.11	13.09	14.2	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	13.04	13.04	13.04	14.2	0.0

Part27O n78 HPUE Ant 6 ECI 10

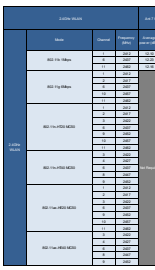
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		12.66		14.2	0.0
100	PI/2 BPSK	1	137		12.79			
100	PI/2 BPSK	1	271		12.70			
100	PI/2 BPSK	135	0		12.74		14.2	0.0
100	PI/2 BPSK	135	69		12.80		14.2	0.0
100	PI/2 BPSK	135	138		12.76		14.2	0.0
100	PI/2 BPSK	270	0		12.70			
100	QPSK	1	1		12.93		14.2	0.0
100	QPSK	1	137		12.78			
100	QPSK	1	271		12.76			
100	QPSK	135	0		12.74		14.2	0.0
100	QPSK	135	69		12.89		14.2	0.0
100	QPSK	135	138		12.75		14.2	0.0
100	QPSK	270	0		12.85			
100	16QAM	1	1		12.80		14.2	0.0
100	64QAM	1	1		12.74		14.2	0.0
100	256QAM	1	1		12.77		14.2	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	12.66	12.63	12.52	14.2	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	12.59	12.60	12.60	14.2	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	12.59	12.65	12.55	14.2	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	12.56	12.68	12.57	14.2	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	12.55	12.68	12.54	14.2	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	12.66	12.63	12.54	14.2	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	12.55	12.68	12.58	14.2	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	12.64	12.63	12.53	14.2	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	12.64	12.68	12.54	14.2	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	12.58	12.70	12.56	14.2	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	12.55	12.67	12.54	14.2	0.0

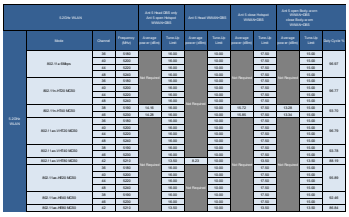
Part27Q n78 HPUE Ant 6 ECI 10

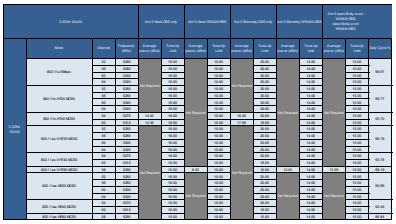
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		13.05		14.2	0.0
100	PI/2 BPSK	1	137		13.05			
100	PI/2 BPSK	1	271		12.98			
100	PI/2 BPSK	135	0		13.07		14.2	0.0
100	PI/2 BPSK	135	69		13.02		14.2	0.0
100	PI/2 BPSK	135	138		12.96		14.2	0.0
100	PI/2 BPSK	270	0		13.06			
100	QPSK	1	1		13.23		14.2	0.0
100	QPSK	1	137		13.11			
100	QPSK	1	271		13.09			
100	QPSK	135	0		13.06		14.2	0.0
100	QPSK	135	69		13.12		14.2	0.0
100	QPSK	135	138		12.99		14.2	0.0
100	QPSK	270	0		13.06			
100	16QAM	1	1		13.11		14.2	0.0
100	64QAM	1	1		13.13		14.2	0.0
100	256QAM	1	1		13.03		14.2	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485	3500.01	3505.02		
90	QPSK	1	1	13.01	13.09	13.05	14.2	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	12.96	13.03	13.07	14.2	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	13.03	13.10	13.02	14.2	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	12.97	13.06	13.08	14.2	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	13.06	13.12	13.04	14.2	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.98	13.07	13.02	14.2	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	12.99	13.10	13.09	14.2	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	13.02	13.07	13.06	14.2	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.97	13.05	13.03	14.2	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	13.00	13.08	13.09	14.2	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	13.06	13.04	13.04	14.2	0.0

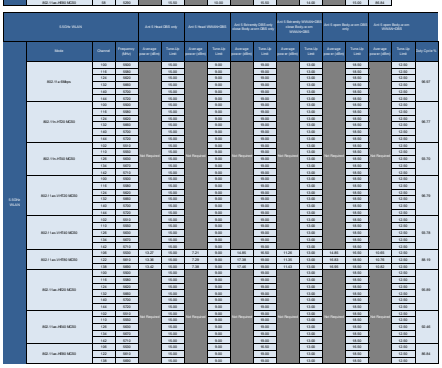
BT&WIFI Power

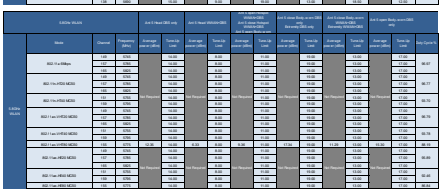
| 2.4GHz WLAN | | | Ant 7 Full power in | | Ant 6 Full power in | | Ant 5 Full power in | | Ant 7 Head Standalone | | Ant 6 Head Standalone | | Ant 5 Head Standalone | | Ant 7 Head WG60/6nm GNG | | Ant 6 Head WG60/6nm GNG | | Ant 5 Head WG60/6nm GNG | | Ant 7 open Hotspot (open Body,w.o.arm WG60/6nm GNG) | | Ant 6 open Hotspot (open Body,w.o.arm WG60/6nm GNG) | | Ant 5 F open Hotspot (open Body,w.o.arm WG60/6nm GNG) | | Ant 7 Biometry Standalone (open Body,w.o.arm Standalone) | | Ant 6 Biometry Standalone (open Body,w.o.arm Standalone) | | Ant5 F Biometry Standalone (open Body,w.o.arm Standalone) | | Ant 7 Biometry WG60/6nm GNG (Ant 7 open Hotspot) | | Ant 6 Biometry WG60/6nm GNG (Ant 6 open Hotspot) | | Ant 5 Biometry WG60/6nm GNG (Ant 5 open Hotspot) | | Ant 7 open Body,w.arm Standalone | | Ant 6 open Body,w.arm Standalone | | Ant 5 open Body,w.arm Standalone | | Ant 7 open Body,w.arm WG60/6nm GNG | | Ant 6 open Body,w.arm WG60/6nm GNG | | Ant 5 open Body,w.arm WG60/6nm GNG | | Ant 7 close Body,w.arm WG60/6nm GNG | | Ant 6 close Body,w.arm WG60/6nm GNG | | Ant 5 close Body,w.arm WG60/6nm GNG | | Duty Cycle % |
|---|---|---











BT 2.0 Ant 7 Full power

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	16.10	15.50	15.50
	CH 39	2441	16.80	16.50	16.50
	CH 78	2480	16.10	15.80	15.80
Tune-up Limit			18.5	17	17

BT 2.0 Ant 7 For open Body-worn Standalone close Body-worn Extremity Standalone

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	12.30	9.70	9.70
	CH 39	2441	12.30	9.70	9.70
	CH 78	2480	12.20	9.60	9.60
Tune-up Limit			13.5	11	11

BT 2.0 For Ant 7 Head Standalone

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	8.42	5.48	5.45
	CH 39	2441	8.48	5.66	5.64
	CH 78	2480	8.41	5.55	5.52
Tune-up Limit			9.0	7	7

BT 2.0 For Ant 7 Head Simultaneous open Body-worn Simultaneous open&close Hotspot Extremity Simultaneous

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	7.40	4.40	4.40
	CH 39	2441	7.50	4.70	4.70
	CH 78	2480	7.30	4.50	4.50
Tune-up Limit			8.5	6	6

BLE_1M Ant 7 Full power

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	18.20
	CH 19	2440	18.90
	CH 39	2480	18.20
Tune-up Limit			19.5

BLE_1M Ant 7 For open Body-worn Standalone close Body-worn Extremity Standalone

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	12.10
	CH 19	2440	12.18
	CH 39	2480	12.15
Tune-up Limit			13.0

BLE_1M For Ant 7 Head Standalone

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	8.35
	CH 19	2440	8.39
	CH 39	2480	8.33
Tune-up Limit			9.5

BLE_1M For Ant 7 Head Simultaneous open Body-worn Simultaneous open&close Hotspot Extremity Simultaneous

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	7.38
	CH 19	2440	7.44
	CH 39	2480	7.39
Tune-up Limit			8.5

BLE_2M Ant 7 Full power

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	18.10
	CH 19	2440	18.80
	CH 39	2480	18.10
Tune-up Limit			19.50

BLE_2M Ant 7 For open Body-worn Standalone close Body-worn Extremity Standalone

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	12.06
	CH 19	2440	12.14
	CH 39	2480	12.08
Tune-up Limit			13.50

BLE_2M For Ant 7 Head Standalone

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	8.35
	CH 19	2440	8.36
	CH 39	2480	8.32
Tune-up Limit			9.50

BLE_2M For Ant 7 Head Simultaneous open Body-worn Simultaneous open&close Hotspot Extremity Simultaneous

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	7.35
	CH 19	2440	7.40
	CH 39	2480	7.31
Tune-up Limit			8.50