Band 2 Ant0 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	18.55	18.85	18.72	19.8	0
20	QPSK	1	49	18.59	18.64	18.77		
20	QPSK	1	99	18.63	18.51	18.64		
20	QPSK	50	0	18.52	18.59	18.53	19.8	0
20	QPSK	50	24	18.44	18.45	18.57		
20	QPSK	50	50	18.55	18.55	18.47		
20	QPSK	100	0	18.57	18.69	18.49		
20	16QAM	1	0	18.47	18.46	18.42	19.8	0
20	16QAM	1	49	18.40	18.69	18.57		
20	16QAM	1	99	18.52	18.59	18.65		
20	16QAM	50	0	18.51	18.45	18.48	19.8	0
20	16QAM	50	24	18.47	18.45	18.47		
20	16QAM	50	50	18.59	18.60	18.49		
20	16QAM	100	0	18.45	18.65	18.61		
20	64QAM	1	0	18.50	18.54	18.64	19.8	0
20	64QAM	1	49	18.63	18.65	18.71		
20	64QAM	1	99	18.60	18.77	18.63		
20	64QAM	50	0	18.45	18.48	18.68	19.8	0
20	64QAM	50	24	18.57	18.47	18.54		
20	64QAM	50	50	18.42	18.53	18.37		
20	64QAM	100	0	18.40	18.71	18.51		
20	256QAM	1	0	18.51	18.54	18.58	19.8	0
20	256QAM	1	49	18.42	18.65	18.64		
20	256QAM	1	99	18.66	18.53	18.37		
20	256QAM	50	0	18.72	18.58	18.52	19.8	0
20	256QAM	50	24	18.40	18.43	18.51		
20	256QAM	50	50	18.43	18.53	18.69		
20	256QAM	100	0	18.58	18.39	18.52		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	18.43	18.71	18.58	19.8	0
15	QPSK	1	37	18.46	18.54	18.63		
15	QPSK	1	74	18.58	18.47	18.56		
15	QPSK	36	0	18.45	18.53	18.37	19.8	0
15	QPSK	36	20	18.36	18.67	18.46		
15	QPSK	36	39	18.41	18.55	18.66		
15	QPSK	75	0	18.51	18.55	18.43		
15	16QAM	1	0	18.41	18.35	18.26	19.8	0
15	16QAM	1	37	18.34	18.53	18.52		
15	16QAM	1	74	18.39	18.49	18.56		
15	16QAM	36	0	18.40	18.32	18.44	19.8	0
15	16QAM	36	20	18.40	18.30	18.32		
15	16QAM	36	39	18.48	18.46	18.34		
15	16QAM	75	0	18.33	18.61	18.56		
15	64QAM	1	0	18.36	18.46	18.55	19.8	0
15	64QAM	1	37	18.57	18.51	18.61		
15	64QAM	1	74	18.55	18.63	18.53		
15	64QAM	36	0	18.41	18.41	18.58	19.8	0
15	64QAM	36	20	18.49	18.36	18.43		
15	64QAM	36	39	18.34	18.46	18.31		
15	64QAM	75	0	18.27	18.67	18.42		
15	256QAM	1	0	18.44	18.41	18.47	19.8	0
15	256QAM	1	37	18.26	18.49	18.52		
15	256QAM	1	74	18.61	18.41	18.22		
15	256QAM	36	0	18.67	18.52	18.46	19.8	0
15	256QAM	36	20	18.25	18.38	18.46		
15	256QAM	36	39	18.37	18.44	18.59		
15	256QAM	75	0	18.47	18.25	18.43		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	18.50	18.76	18.66	19.8	0
10	QPSK	1	25	18.44	18.59	18.65		
10	QPSK	1	49	18.49	18.44	18.48		
10	QPSK	25	0	18.38	18.49	18.45	19.8	0
10	QPSK	25	12	18.32	18.62	18.44		
10	QPSK	25	25	18.49	18.48	18.66		
10	QPSK	50	0	18.48	18.59	18.37		
10	16QAM	1	0	18.43	18.36	18.35	19.8	0
10	16QAM	1	25	18.26	18.61	18.49		
10	16QAM	1	49	18.39	18.50	18.56		
10	16QAM	25	0	18.46	18.40	18.33	19.8	0
10	16QAM	25	12	18.33	18.39	18.37		
10	16QAM	25	25	18.52	18.46	18.34		
10	16QAM	50	0	18.33	18.58	18.57		
10	64QAM	1	0	18.37	18.48	18.56	19.8	0
10	64QAM	1	25	18.54	18.51	18.66		
10	64QAM	1	49	18.52	18.72	18.56		
10	64QAM	25	0	18.29	18.34	18.64	19.8	0
10	64QAM	25	12	18.42	18.35	18.45		
10	64QAM	25	25	18.30	18.46	18.28		
10	64QAM	50	0	18.28	18.66	18.45		
10	256QAM	1	0	18.35	18.41	18.43	19.8	0
10	256QAM	1	25	18.37	18.50	18.55		
10	256QAM	1	49	18.51	18.46	18.26		
10	256QAM	25	0	18.58	18.44	18.41	19.8	0
10	256QAM	25	12	18.33	18.32	18.39		
10	256QAM	25	25	18.32	18.37	18.64		
10	256QAM	50	0	18.44	18.30	18.43		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	18.41	18.71	18.63	19.8	0
5	QPSK	1	12	18.45	18.56	18.67		
5	QPSK	1	24	18.57	18.40	18.49		
5	QPSK	12	0	18.42	18.44	18.41	19.8	0
5	QPSK	12	7	18.35	18.70	18.45		
5	QPSK	12	13	18.45	18.47	18.59		
5	QPSK	25	0	18.45	18.60	18.40		
5	16QAM	1	0	18.33	18.33	18.32	19.8	0
5	16QAM	1	12	18.29	18.65	18.48		
5	16QAM	1	24	18.36	18.46	18.51		
5	16QAM	12	0	18.36	18.35	18.39	19.8	0
5	16QAM	12	7	18.43	18.31	18.35		
5	16QAM	12	13	18.50	18.44	18.41		
5	16QAM	25	0	18.35	18.51	18.48		
5	64QAM	1	0	18.43	18.45	18.52	19.8	0
5	64QAM	1	12	18.55	18.57	18.57		
5	64QAM	1	24	18.51	18.71	18.52		
5	64QAM	12	0	18.30	18.43	18.56	19.8	0
5	64QAM	12	7	18.41	18.36	18.48		
5	64QAM	12	13	18.31	18.39	18.26		
5	64QAM	25	0	18.29	18.64	18.45		
5	256QAM	1	0	18.46	18.49	18.44	19.8	0
5	256QAM	1	12	18.28	18.59	18.50		
5	256QAM	1	24	18.51	18.38	18.21		
5	256QAM	12	0	18.57	18.46	18.40	19.8	0
5	256QAM	12	7	18.29	18.29	18.46		
5	256QAM	12	13	18.39	18.45	18.54		
5	256QAM	25	0	18.53	18.26	18.46		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	18.39	18.74	18.58	19.8	0
3	QPSK	1	8	18.53	18.55	18.61		
3	QPSK	1	14	18.53	18.36	18.59		
3	QPSK	8	0	18.47	18.45	18.41	19.8	0
3	QPSK	8	4	18.30	18.64	18.52		
3	QPSK	8	7	18.48	18.56	18.58		
3	QPSK	15	0	18.45	18.64	18.40		
3	16QAM	1	0	18.41	18.40	18.30	19.8	0
3	16QAM	1	8	18.28	18.61	18.45		
3	16QAM	1	14	18.46	18.55	18.51		
3	16QAM	8	0	18.43	18.30	18.34	19.8	0
3	16QAM	8	4	18.32	18.29	18.33		
3	16QAM	8	7	18.52	18.52	18.45		
3	16QAM	15	0	18.38	18.54	18.52		
3	64QAM	1	0	18.39	18.43	18.51	19.8	0
3	64QAM	1	8	18.49	18.54	18.60		
3	64QAM	1	14	18.51	18.70	18.55		
3	64QAM	8	0	18.32	18.36	18.63	19.8	0
3	64QAM	8	4	18.52	18.35	18.49		
3	64QAM	8	7	18.27	18.43	18.25		
3	64QAM	15	0	18.29	18.59	18.44		
3	256QAM	1	0	18.46	18.40	18.53	19.8	0
3	256QAM	1	8	18.27	18.49	18.55		
3	256QAM	1	14	18.61	18.39	18.27		
3	256QAM	8	0	18.60	18.43	18.43	19.8	0
3	256QAM	8	4	18.33	18.33	18.47		
3	256QAM	8	7	18.33	18.44	18.55		
3	256QAM	15	0	18.50	18.32	18.42		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	18.48	18.74	18.59	19.8	0
1.4	QPSK	1	3	18.44	18.57	18.68		
1.4	QPSK	1	5	18.50	18.46	18.51		
1.4	QPSK	3	0	18.48	18.47	18.39		
1.4	QPSK	3	1	18.39	18.66	18.51		
1.4	QPSK	3	3	18.51	18.54	18.57		
1.4	QPSK	6	0	18.50	18.55	18.40	19.8	0
1.4	16QAM	1	0	18.40	18.37	18.37	19.8	0
1.4	16QAM	1	3	18.32	18.54	18.53		
1.4	16QAM	1	5	18.41	18.53	18.50		
1.4	16QAM	3	0	18.39	18.33	18.35		
1.4	16QAM	3	1	18.42	18.37	18.41		
1.4	16QAM	3	3	18.52	18.53	18.33		
1.4	16QAM	6	0	18.33	18.53	18.47	19.8	0
1.4	64QAM	1	0	18.43	18.42	18.59	19.8	0
1.4	64QAM	1	3	18.55	18.58	18.43		
1.4	64QAM	1	5	18.46	18.61	18.57		
1.4	64QAM	3	0	18.35	18.37	18.58		
1.4	64QAM	3	1	18.44	18.43	18.40		
1.4	64QAM	3	3	18.36	18.42	18.31		
1.4	64QAM	6	0	18.27	18.55	18.41	19.8	0
1.4	256QAM	1	0	18.36	18.48	18.43	19.8	0
1.4	256QAM	1	3	18.38	18.49	18.55		
1.4	256QAM	1	5	18.52	18.46	18.25		
1.4	256QAM	3	0	18.65	18.43	18.47		
1.4	256QAM	3	1	18.34	18.28	18.36		
1.4	256QAM	3	3	18.28	18.38	18.55		
1.4	256QAM	6	0	18.50	18.25	18.42	19.8	0

Band 4 Ant0 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	20.12	20.23	19.97	21.5	0
20	QPSK	1	49	20.15	20.08	20.06		
20	QPSK	1	99	19.82	20.01	20.13		
20	QPSK	50	0	19.88	19.98	19.87	21.5	0
20	QPSK	50	24	19.87	19.90	19.86		
20	QPSK	50	50	19.86	19.97	19.97		
20	QPSK	100	0	19.90	20.02	19.78		
20	16QAM	1	0	19.95	20.16	20.18	21.5	0
20	16QAM	1	49	20.10	20.04	20.19		
20	16QAM	1	99	20.10	19.99	19.91		
20	16QAM	50	0	19.97	19.89	19.87	21.5	0
20	16QAM	50	24	19.86	19.79	19.88		
20	16QAM	50	50	19.95	19.91	19.85		
20	16QAM	100	0	20.13	20.15	20.17		
20	64QAM	1	0	20.13	20.06	20.16	21.5	0
20	64QAM	1	49	19.95	19.85	19.72		
20	64QAM	1	99	19.69	19.90	19.97		
20	64QAM	50	0	20.05	20.06	20.15	21.5	0
20	64QAM	50	24	19.97	20.02	20.08		
20	64QAM	50	50	19.86	19.82	19.77		
20	64QAM	100	0	20.03	19.91	19.86		
20	256QAM	1	0	19.04	19.24	19.19	19.5	2
20	256QAM	1	49	19.10	19.23	19.00		
20	256QAM	1	99	19.06	19.25	19.17		
20	256QAM	50	0	18.75	18.90	18.84	19.5	2
20	256QAM	50	24	18.86	18.68	18.93		
20	256QAM	50	50	18.75	18.70	18.58		
20	256QAM	100	0	18.83	18.82	18.89		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	20.07	20.20	19.94	21.5	0
15	QPSK	1	37	20.12	19.99	19.95		
15	QPSK	1	74	19.95	19.99	20.00		
15	QPSK	36	0	19.79	20.07	19.91	21.5	0
15	QPSK	36	20	19.97	19.99	19.90		
15	QPSK	36	39	20.03	20.07	19.92		
15	QPSK	75	0	19.86	20.08	19.77		
15	16QAM	1	0	19.92	20.15	20.08	21.5	0
15	16QAM	1	37	20.16	20.11	20.12		
15	16QAM	1	74	20.00	19.96	19.91		
15	16QAM	36	0	19.91	19.87	19.76	21.5	0
15	16QAM	36	20	19.86	19.82	19.91		
15	16QAM	36	39	19.99	19.89	19.89		
15	16QAM	75	0	20.06	20.09	20.05		
15	64QAM	1	0	20.13	20.09	20.03	21.5	0
15	64QAM	1	37	20.02	19.89	19.84		
15	64QAM	1	74	19.78	19.76	19.96		
15	64QAM	36	0	20.10	19.95	19.96	21.5	0
15	64QAM	36	20	19.95	19.92	20.10		
15	64QAM	36	39	19.83	19.92	19.81		
15	64QAM	75	0	20.12	19.89	19.97		
15	256QAM	1	0	19.03	19.22	19.20	19.5	2
15	256QAM	1	37	19.17	19.25	18.99		
15	256QAM	1	74	19.06	19.12	19.21		
15	256QAM	36	0	18.76	18.91	18.65	19.5	2
15	256QAM	36	20	18.96	18.61	18.90		
15	256QAM	36	39	18.75	18.60	18.65		
15	256QAM	75	0	18.87	18.89	18.83		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	20.00	20.13	20.01	21.5	0
10	QPSK	1	25	20.09	20.05	20.01		
10	QPSK	1	49	19.90	19.90	20.06		
10	QPSK	25	0	19.84	20.03	19.99	21.5	0
10	QPSK	25	12	19.94	19.89	19.92		
10	QPSK	25	25	20.03	19.90	19.87		
10	QPSK	50	0	19.95	19.98	19.87		
10	16QAM	1	0	20.06	20.12	20.02	21.5	0
10	16QAM	1	25	20.14	19.99	20.08		
10	16QAM	1	49	20.11	19.95	19.87		
10	16QAM	25	0	19.99	19.79	19.79	21.5	0
10	16QAM	25	12	19.88	19.90	19.85		
10	16QAM	25	25	20.05	19.98	19.90		
10	16QAM	50	0	20.12	20.14	20.10		
10	64QAM	1	0	20.14	20.14	20.05	21.5	0
10	64QAM	1	25	19.95	19.94	19.85		
10	64QAM	1	49	19.81	19.86	19.89		
10	64QAM	25	0	20.03	19.95	20.06	21.5	0
10	64QAM	25	12	19.99	19.88	20.06		
10	64QAM	25	25	19.86	19.74	19.70		
10	64QAM	50	0	20.02	20.03	19.94		
10	256QAM	1	0	18.98	19.14	19.20	19.5	2
10	256QAM	1	25	19.03	19.28	18.98		
10	256QAM	1	49	19.02	19.17	19.26		
10	256QAM	25	0	18.86	18.97	18.82	19.5	2
10	256QAM	25	12	18.91	18.59	18.93		
10	256QAM	25	25	18.82	18.63	18.61		
10	256QAM	50	0	18.76	18.82	18.89		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	20.15	20.16	20.06	21.5	0
5	QPSK	1	12	20.12	20.05	20.07		
5	QPSK	1	24	19.90	20.00	20.03		
5	QPSK	12	0	19.75	20.00	20.09	21.5	0
5	QPSK	12	7	19.88	19.88	19.77		
5	QPSK	12	13	20.02	20.06	19.95		
5	QPSK	25	0	19.82	20.11	19.87		
5	16QAM	1	0	20.02	20.20	20.14	21.5	0
5	16QAM	1	12	20.16	20.08	20.10		
5	16QAM	1	24	20.11	20.10	19.89		
5	16QAM	12	0	20.02	19.78	19.90	21.5	0
5	16QAM	12	7	19.70	19.77	19.86		
5	16QAM	12	13	19.99	19.97	19.80		
5	16QAM	25	0	20.20	20.18	20.08		
5	64QAM	1	0	19.97	20.15	20.07	21.5	0
5	64QAM	1	12	19.87	19.95	19.83		
5	64QAM	1	24	19.76	19.83	19.89		
5	64QAM	12	0	20.05	19.90	20.01	21.5	0
5	64QAM	12	7	19.89	19.95	20.02		
5	64QAM	12	13	19.96	19.78	19.79		
5	64QAM	25	0	20.05	19.91	20.02		
5	256QAM	1	0	19.04	19.15	19.17	19.5	2
5	256QAM	1	12	19.00	19.30	19.09		
5	256QAM	1	24	18.92	19.06	19.26		
5	256QAM	12	0	18.73	18.96	18.69	19.5	2
5	256QAM	12	7	18.88	18.69	18.91		
5	256QAM	12	13	18.87	18.70	18.71		
5	256QAM	25	0	18.89	18.82	18.75		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	19.98	20.14	20.05	21.5	0
3	QPSK	1	8	20.05	20.09	20.03		
3	QPSK	1	14	19.90	19.92	20.15		
3	QPSK	8	0	19.84	20.06	19.90	21.5	0
3	QPSK	8	4	20.00	19.96	19.91		
3	QPSK	8	7	20.06	19.99	19.93		
3	QPSK	15	0	19.94	19.93	19.75		
3	16QAM	1	0	19.95	20.09	20.15	21.5	0
3	16QAM	1	8	20.13	20.14	20.14		
3	16QAM	1	14	19.97	20.05	20.04		
3	16QAM	8	0	20.06	19.84	19.88	21.5	0
3	16QAM	8	4	19.73	19.76	19.97		
3	16QAM	8	7	20.04	19.87	19.83		
3	16QAM	15	0	20.05	20.10	20.21		
3	64QAM	1	0	20.02	19.98	20.14	21.5	0
3	64QAM	1	8	20.01	19.91	19.79		
3	64QAM	1	14	19.74	19.84	19.99		
3	64QAM	8	0	19.94	19.90	20.01	21.5	0
3	64QAM	8	4	20.04	19.99	20.03		
3	64QAM	8	7	19.95	19.75	19.86		
3	64QAM	15	0	19.97	19.93	19.96		
3	256QAM	1	0	19.10	19.30	19.15	19.5	2
3	256QAM	1	8	19.00	19.32	19.00		
3	256QAM	1	14	18.91	19.17	19.26		
3	256QAM	8	0	18.66	18.93	18.76	19.5	2
3	256QAM	8	4	18.85	18.68	18.86		
3	256QAM	8	7	18.85	18.66	18.62		
3	256QAM	15	0	18.88	18.87	18.85		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	20.15	20.20	20.06	21.5	0
1.4	QPSK	1	3	20.06	19.96	19.93		
1.4	QPSK	1	5	19.97	20.02	19.98		
1.4	QPSK	3	0	19.89	20.00	20.07		
1.4	QPSK	3	1	19.98	19.96	19.79		
1.4	QPSK	3	3	20.01	20.01	19.88		
1.4	QPSK	6	0	19.99	19.95	19.79	21.5	0
1.4	16QAM	1	0	20.06	20.21	20.09	21.5	0
1.4	16QAM	1	3	20.06	19.99	20.18		
1.4	16QAM	1	5	20.09	20.05	20.03		
1.4	16QAM	3	0	20.04	19.87	19.84		
1.4	16QAM	3	1	19.74	19.91	19.97		
1.4	16QAM	3	3	19.94	19.98	19.81		
1.4	16QAM	6	0	20.04	20.20	20.19	21.5	0
1.4	64QAM	1	0	20.02	20.00	20.15	21.5	0
1.4	64QAM	1	3	20.04	19.97	19.69		
1.4	64QAM	1	5	19.79	19.80	19.92		
1.4	64QAM	3	0	20.05	19.96	20.01		
1.4	64QAM	3	1	19.90	20.06	20.03		
1.4	64QAM	3	3	19.90	19.75	19.83		
1.4	64QAM	6	0	19.94	20.08	19.88	21.5	0
1.4	256QAM	1	0	18.98	19.29	19.13	19.5	2
1.4	256QAM	1	3	19.00	19.33	19.10		
1.4	256QAM	1	5	18.95	19.21	19.13		
1.4	256QAM	3	0	18.86	18.95	18.83		
1.4	256QAM	3	1	18.86	18.72	18.84		
1.4	256QAM	3	3	18.73	18.58	18.59		
1.4	256QAM	6	0	18.79	18.92	18.77	19.5	2

Band 5 Ant0 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	22.84	22.91	22.85	24	0
10	QPSK	1	25	22.64	22.71	22.75		
10	QPSK	1	49	22.71	22.68	22.69		
10	QPSK	25	0	22.79	22.89	22.74	24	0
10	QPSK	25	12	22.76	22.79	22.71		
10	QPSK	25	25	22.64	22.85	22.74		
10	QPSK	50	0	22.66	22.76	22.73		
10	16QAM	1	0	22.87	22.84	22.80	24	0
10	16QAM	1	25	22.67	22.79	22.78		
10	16QAM	1	49	22.72	22.84	22.87		
10	16QAM	25	0	22.15	22.26	22.28	24	0
10	16QAM	25	12	22.26	22.30	22.36		
10	16QAM	25	25	22.17	22.24	22.21		
10	16QAM	50	0	22.18	22.18	22.37		
10	64QAM	1	0	22.44	22.63	22.84	24	0
10	64QAM	1	25	22.67	22.73	22.81		
10	64QAM	1	49	22.63	22.79	22.85		
10	64QAM	25	0	22.11	22.59	22.25	24	0
10	64QAM	25	12	22.59	22.19	22.20		
10	64QAM	25	25	22.16	22.31	22.12		
10	64QAM	50	0	22.63	22.53	22.75		
10	256QAM	1	0	18.64	18.95	18.91	20	4
10	256QAM	1	25	18.74	18.84	18.65		
10	256QAM	1	49	18.66	18.86	18.73		
10	256QAM	25	0	18.57	18.67	18.50	20	4
10	256QAM	25	12	18.41	18.54	18.59		
10	256QAM	25	25	18.48	18.47	18.50		
10	256QAM	50	0	18.53	18.46	18.48		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	22.67	22.87	22.71	24	0
5	QPSK	1	12	22.56	22.66	22.73		
5	QPSK	1	24	22.53	22.50	22.59		
5	QPSK	12	0	22.70	22.69	22.69	24	0
5	QPSK	12	7	22.56	22.61	22.51		
5	QPSK	12	13	22.53	22.82	22.64		
5	QPSK	25	0	22.48	22.70	22.78		
5	16QAM	1	0	22.74	22.73	22.64	24	0
5	16QAM	1	12	22.59	22.65	22.72		
5	16QAM	1	24	22.53	22.79	22.77		
5	16QAM	12	0	22.05	22.17	22.21	24	0
5	16QAM	12	7	22.13	22.14	22.29		
5	16QAM	12	13	22.16	22.06	22.21		
5	16QAM	25	0	22.11	22.13	22.28		
5	64QAM	1	0	22.38	22.53	22.72	24	0
5	64QAM	1	12	22.61	22.63	22.79		
5	64QAM	1	24	22.58	22.60	22.68		
5	64QAM	12	0	22.78	22.50	22.59	24	0
5	64QAM	12	7	22.39	22.61	22.57		
5	64QAM	12	13	22.48	22.78	22.57		
5	64QAM	25	0	22.46	22.41	22.69		
5	256QAM	1	0	18.58	18.86	18.85	20	4
5	256QAM	1	12	18.66	18.85	18.62		
5	256QAM	1	24	18.57	18.80	18.64		
5	256QAM	12	0	18.48	18.63	18.40	20	4
5	256QAM	12	7	18.37	18.45	18.49		
5	256QAM	12	13	18.40	18.47	18.42		
5	256QAM	25	0	18.50	18.43	18.48		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	22.73	22.84	22.80	24	0
3	QPSK	1	8	22.57	22.67	22.71		
3	QPSK	1	14	22.70	22.54	22.62		
3	QPSK	8	0	22.79	22.77	22.66	24	0
3	QPSK	8	4	22.73	22.63	22.68		
3	QPSK	8	7	22.59	22.66	22.63		
3	QPSK	15	0	22.65	22.68	22.60		
3	16QAM	1	0	22.83	22.78	22.67	24	0
3	16QAM	1	8	22.59	22.77	22.60		
3	16QAM	1	14	22.58	22.70	22.71		
3	16QAM	8	0	22.04	22.19	22.10	24	0
3	16QAM	8	4	22.22	22.15	22.21		
3	16QAM	8	7	22.05	22.15	22.13		
3	16QAM	15	0	22.42	22.56	22.20		
3	64QAM	1	0	22.43	22.60	22.73	24	0
3	64QAM	1	8	22.62	22.71	22.79		
3	64QAM	1	14	22.60	22.78	22.76		
3	64QAM	8	0	22.08	22.04	22.10	24	0
3	64QAM	8	4	22.03	22.00	22.12		
3	64QAM	8	7	22.12	22.14	22.37		
3	64QAM	15	0	22.22	22.07	22.57		
3	256QAM	1	0	18.59	18.87	18.90	20	4
3	256QAM	1	8	18.64	18.80	18.57		
3	256QAM	1	14	18.66	18.85	18.66		
3	256QAM	8	0	18.53	18.60	18.47	20	4
3	256QAM	8	4	18.33	18.44	18.57		
3	256QAM	8	7	18.38	18.37	18.48		
3	256QAM	15	0	18.44	18.45	18.41		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	22.74	22.79	22.69	24	0
1.4	QPSK	1	3	22.52	22.52	22.58		
1.4	QPSK	1	5	22.63	22.65	22.67		
1.4	QPSK	3	0	22.72	22.77	22.56		
1.4	QPSK	3	1	22.58	22.76	22.66		
1.4	QPSK	3	3	22.63	22.69	22.62		
1.4	QPSK	6	0	22.48	22.59	22.62	24	0
1.4	16QAM	1	0	22.72	22.83	22.61	24	0
1.4	16QAM	1	3	22.67	22.64	22.71		
1.4	16QAM	1	5	22.71	22.72	22.67		
1.4	16QAM	3	0	22.10	22.20	22.18		
1.4	16QAM	3	1	22.23	22.23	22.24		
1.4	16QAM	3	3	22.05	22.05	22.19		
1.4	16QAM	6	0	22.14	22.13	22.36	24	0
1.4	64QAM	1	0	22.39	22.50	22.64	24	0
1.4	64QAM	1	3	22.47	22.61	22.78		
1.4	64QAM	1	5	22.60	22.62	22.79		
1.4	64QAM	3	0	22.27	22.09	22.23		
1.4	64QAM	3	1	22.31	22.06	22.11		
1.4	64QAM	3	3	22.06	22.19	22.02		
1.4	64QAM	6	0	22.22	22.28	22.61	24	0
1.4	256QAM	1	0	18.61	18.91	18.87	20	4
1.4	256QAM	1	3	18.68	18.78	18.56		
1.4	256QAM	1	5	18.63	18.84	18.72		
1.4	256QAM	3	0	18.53	18.58	18.50		
1.4	256QAM	3	1	18.41	18.48	18.57		
1.4	256QAM	3	3	18.42	18.45	18.42		
1.4	256QAM	6	0	18.46	18.39	18.45	20	4

Band 7 Ant0 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	21.03	21.12	21.10	22.4	0
20	QPSK	1	49	20.99	21.06	21.06		
20	QPSK	1	99	20.87	20.87	20.98		
20	QPSK	50	0	20.81	21.10	20.87	22.4	0
20	QPSK	50	24	21.07	20.89	20.92		
20	QPSK	50	50	20.93	20.84	20.93		
20	QPSK	100	0	20.89	21.09	21.01		
20	16QAM	1	0	21.00	21.02	21.01	22.4	0
20	16QAM	1	49	21.01	20.96	21.04		
20	16QAM	1	99	20.96	20.93	20.99		
20	16QAM	50	0	20.90	20.87	20.93	22.4	0
20	16QAM	50	24	20.97	20.93	21.02		
20	16QAM	50	50	20.90	20.93	20.86		
20	16QAM	100	0	20.93	20.98	21.02		
20	64QAM	1	0	21.01	20.98	21.01	22.4	0
20	64QAM	1	49	20.91	20.97	21.00		
20	64QAM	1	99	20.83	20.89	21.02		
20	64QAM	50	0	20.85	21.01	20.91	22.4	0
20	64QAM	50	24	21.05	21.04	21.01		
20	64QAM	50	50	20.91	20.93	20.97		
20	64QAM	100	0	20.87	21.04	21.02		
20	256QAM	1	0	19.50	19.63	19.71	20	2.4
20	256QAM	1	49	19.53	19.69	19.48		
20	256QAM	1	99	19.43	19.66	19.51		
20	256QAM	50	0	19.32	19.41	19.29	20	2.4
20	256QAM	50	24	19.18	19.28	19.45		
20	256QAM	50	50	19.26	19.23	19.28		
20	256QAM	100	0	19.28	19.28	19.25		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	20.72	20.91	20.91	22.4	0
15	QPSK	1	37	20.63	20.74	20.70		
15	QPSK	1	74	20.66	20.69	20.81		
15	QPSK	36	0	20.56	20.74	20.69	22.4	0
15	QPSK	36	20	20.89	20.69	20.72		
15	QPSK	36	39	20.59	20.60	20.74		
15	QPSK	75	0	20.65	20.73	20.69		
15	16QAM	1	0	20.74	20.71	20.78	22.4	0
15	16QAM	1	37	20.69	20.65	20.77		
15	16QAM	1	74	20.67	20.61	20.72		
15	16QAM	36	0	20.55	20.68	20.76	22.4	0
15	16QAM	36	20	20.78	20.71	20.72		
15	16QAM	36	39	20.70	20.68	20.69		
15	16QAM	75	0	20.69	20.69	20.75		
15	64QAM	1	0	20.78	20.70	20.81	22.4	0
15	64QAM	1	37	20.69	20.69	20.80		
15	64QAM	1	74	20.53	20.66	20.74		
15	64QAM	36	0	20.55	20.81	20.73	22.4	0
15	64QAM	36	20	20.79	20.71	20.75		
15	64QAM	36	39	20.64	20.60	20.74		
15	64QAM	75	0	20.59	20.85	20.80		
15	256QAM	1	0	19.47	19.55	19.67	20	2.4
15	256QAM	1	37	19.53	19.64	19.47		
15	256QAM	1	74	19.40	19.63	19.51		
15	256QAM	36	0	19.30	19.33	19.18	20	2.4
15	256QAM	36	20	19.16	19.26	19.41		
15	256QAM	36	39	19.18	19.17	19.27		
15	256QAM	75	0	19.18	19.25	19.20		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	20.81	20.95	20.93	22.4	0
10	QPSK	1	25	20.65	20.70	20.71		
10	QPSK	1	49	20.63	20.56	20.78		
10	QPSK	25	0	20.50	20.85	20.59	22.4	0
10	QPSK	25	12	20.81	20.59	20.66		
10	QPSK	25	25	20.62	20.49	20.75		
10	QPSK	50	0	20.64	20.74	20.66		
10	16QAM	1	0	20.71	20.76	20.64	22.4	0
10	16QAM	1	25	20.68	20.78	20.82		
10	16QAM	1	49	20.65	20.76	20.78		
10	16QAM	25	0	20.57	20.58	20.62	22.4	0
10	16QAM	25	12	20.61	20.63	20.81		
10	16QAM	25	25	20.67	20.71	20.63		
10	16QAM	50	0	20.72	20.68	20.74		
10	64QAM	1	0	20.84	20.61	20.81	22.4	0
10	64QAM	1	25	20.72	20.65	20.67		
10	64QAM	1	49	20.50	20.67	20.66		
10	64QAM	25	0	20.59	20.82	20.72	22.4	0
10	64QAM	25	12	20.74	20.75	20.73		
10	64QAM	25	25	20.55	20.69	20.71		
10	64QAM	50	0	20.54	20.71	20.83		
10	256QAM	1	0	19.46	19.60	19.61	20	2.4
10	256QAM	1	25	19.43	19.60	19.46		
10	256QAM	1	49	19.41	19.63	19.44		
10	256QAM	25	0	19.31	19.40	19.18	20	2.4
10	256QAM	25	12	19.19	19.22	19.42		
10	256QAM	25	25	19.23	19.24	19.20		
10	256QAM	50	0	19.19	19.20	19.23		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	20.67	20.78	20.78	22.4	0
5	QPSK	1	12	20.81	20.78	20.78		
5	QPSK	1	24	20.66	20.65	20.79		
5	QPSK	12	0	20.61	20.89	20.69	22.4	0
5	QPSK	12	7	20.76	20.67	20.68		
5	QPSK	12	13	20.67	20.57	20.71		
5	QPSK	25	0	20.62	20.76	20.77		
5	16QAM	1	0	20.82	20.65	20.79	22.4	0
5	16QAM	1	12	20.80	20.68	20.68		
5	16QAM	1	24	20.78	20.62	20.68		
5	16QAM	12	0	20.63	20.53	20.72	22.4	0
5	16QAM	12	7	20.79	20.60	20.71		
5	16QAM	12	13	20.54	20.76	20.62		
5	16QAM	25	0	20.65	20.78	20.79		
5	64QAM	1	0	20.79	20.76	20.78	22.4	0
5	64QAM	1	12	20.59	20.77	20.69		
5	64QAM	1	24	20.49	20.53	20.76		
5	64QAM	12	0	20.54	20.75	20.54	22.4	0
5	64QAM	12	7	20.72	20.81	20.72		
5	64QAM	12	13	20.59	20.74	20.64		
5	64QAM	25	0	20.70	20.79	20.74		
5	256QAM	1	0	19.41	19.62	19.61	20	2.4
5	256QAM	1	12	19.48	19.59	19.44		
5	256QAM	1	24	19.39	19.59	19.42		
5	256QAM	12	0	19.25	19.34	19.24	20	2.4
5	256QAM	12	7	19.09	19.21	19.41		
5	256QAM	12	13	19.20	19.20	19.20		
5	256QAM	25	0	19.22	19.28	19.26		

Band 12 Ant0 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	22.63	22.76	22.61	24	0
10	QPSK	1	25	22.65	22.66	22.64		
10	QPSK	1	49	22.61	22.62	22.61		
10	QPSK	25	0	22.64	22.75	22.62	24	0
10	QPSK	25	12	22.59	22.58	22.72		
10	QPSK	25	25	22.70	22.67	22.71		
10	QPSK	50	0	22.70	22.75	22.72		
10	16QAM	1	0	22.56	22.57	22.52	24	0
10	16QAM	1	25	22.50	22.47	22.50		
10	16QAM	1	49	22.51	22.47	22.59		
10	16QAM	25	0	22.49	22.53	22.49	24	0
10	16QAM	25	12	22.64	22.70	22.59		
10	16QAM	25	25	22.53	22.61	22.60		
10	16QAM	50	0	22.52	22.64	22.69		
10	64QAM	1	0	22.51	22.59	22.61	24	0
10	64QAM	1	25	22.50	22.48	22.57		
10	64QAM	1	49	22.42	22.57	22.45		
10	64QAM	25	0	22.63	22.56	22.46	24	0
10	64QAM	25	12	22.62	22.70	22.65		
10	64QAM	25	25	22.52	22.49	22.56		
10	64QAM	50	0	22.59	22.62	22.59		
10	256QAM	1	0	19.06	19.25	19.31	20	4
10	256QAM	1	25	19.10	19.27	19.12		
10	256QAM	1	49	19.02	19.29	19.12		
10	256QAM	25	0	18.89	19.00	18.91	20	4
10	256QAM	25	12	18.84	18.85	19.02		
10	256QAM	25	25	18.86	18.77	18.86		
10	256QAM	50	0	18.93	18.89	18.88		
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	22.50	22.57	22.54	24	0
5	QPSK	1	12	22.62	22.53	22.60		
5	QPSK	1	24	22.55	22.60	22.42		
5	QPSK	12	0	22.63	22.62	22.46	24	0
5	QPSK	12	7	22.48	22.54	22.68		
5	QPSK	12	13	22.63	22.54	22.57		
5	QPSK	25	0	22.60	22.74	22.56		
5	16QAM	1	0	22.49	22.41	22.50	24	0
5	16QAM	1	12	22.32	22.28	22.40		
5	16QAM	1	24	22.38	22.43	22.48		
5	16QAM	12	0	22.48	22.42	22.46	24	0
5	16QAM	12	7	22.54	22.69	22.42		
5	16QAM	12	13	22.44	22.54	22.56		
5	16QAM	25	0	22.39	22.58	22.50		
5	64QAM	1	0	22.48	22.42	22.57	24	0
5	64QAM	1	12	22.41	22.46	22.54		
5	64QAM	1	24	22.35	22.55	22.30		
5	64QAM	12	0	22.60	22.46	22.30	24	0
5	64QAM	12	7	22.45	22.61	22.59		
5	64QAM	12	13	22.42	22.42	22.38		
5	64QAM	25	0	22.41	22.58	22.49		
5	256QAM	1	0	19.00	19.17	19.27	20	4
5	256QAM	1	12	19.07	19.25	19.02		
5	256QAM	1	24	18.95	19.26	19.09		
5	256QAM	12	0	18.83	18.91	18.84	20	4
5	256QAM	12	7	18.80	18.81	18.99		
5	256QAM	12	13	18.79	18.74	18.85		
5	256QAM	25	0	18.92	18.82	18.83		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	22.47	22.59	22.49	24	0
3	QPSK	1	8	22.55	22.48	22.62		
3	QPSK	1	14	22.52	22.52	22.45		
3	QPSK	8	0	22.52	22.66	22.44	24	0
3	QPSK	8	4	22.47	22.46	22.71		
3	QPSK	8	7	22.64	22.51	22.63		
3	QPSK	15	0	22.68	22.61	22.69		
3	16QAM	1	0	22.37	22.45	22.48	24	0
3	16QAM	1	8	22.49	22.36	22.34		
3	16QAM	1	14	22.45	22.42	22.44		
3	16QAM	8	0	22.39	22.49	22.41	24	0
3	16QAM	8	4	22.56	22.62	22.42		
3	16QAM	8	7	22.43	22.53	22.52		
3	16QAM	15	0	22.45	22.48	22.50		
3	64QAM	1	0	22.48	22.53	22.60	24	0
3	64QAM	1	8	22.32	22.36	22.54		
3	64QAM	1	14	22.36	22.44	22.38		
3	64QAM	8	0	22.51	22.45	22.40	24	0
3	64QAM	8	4	22.57	22.70	22.57		
3	64QAM	8	7	22.38	22.41	22.46		
3	64QAM	15	0	22.41	22.53	22.39		
3	256QAM	1	0	19.06	19.19	19.26	20	4
3	256QAM	1	8	18.99	19.17	19.02		
3	256QAM	1	14	18.95	19.20	19.09		
3	256QAM	8	0	18.79	18.95	18.86	20	4
3	256QAM	8	4	18.76	18.81	18.99		
3	256QAM	8	7	18.83	18.71	18.82		
3	256QAM	15	0	18.86	18.88	18.81		
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	22.62	22.58	22.55	24	0
1.4	QPSK	1	3	22.56	22.65	22.61		
1.4	QPSK	1	5	22.53	22.50	22.46		
1.4	QPSK	3	0	22.58	22.67	22.51		
1.4	QPSK	3	1	22.47	22.49	22.53		
1.4	QPSK	3	3	22.53	22.54	22.56		
1.4	QPSK	6	0	22.50	22.65	22.71	24	0
1.4	16QAM	1	0	22.49	22.54	22.50	24	0
1.4	16QAM	1	3	22.45	22.45	22.43		
1.4	16QAM	1	5	22.40	22.36	22.47		
1.4	16QAM	3	0	22.31	22.33	22.48		
1.4	16QAM	3	1	22.52	22.64	22.44		
1.4	16QAM	3	3	22.44	22.50	22.46		
1.4	16QAM	6	0	22.36	22.56	22.63	24	0
1.4	64QAM	1	0	22.41	22.54	22.49	24	0
1.4	64QAM	1	3	22.46	22.36	22.37		
1.4	64QAM	1	5	22.25	22.53	22.40		
1.4	64QAM	3	0	22.47	22.42	22.40		
1.4	64QAM	3	1	22.59	22.68	22.49		
1.4	64QAM	3	3	22.48	22.42	22.53		
1.4	64QAM	6	0	22.43	22.60	22.41	24	0
1.4	256QAM	1	0	18.97	19.16	19.26	20	4
1.4	256QAM	1	3	19.00	19.19	19.05		
1.4	256QAM	1	5	18.99	19.29	19.08		
1.4	256QAM	3	0	18.84	18.96	18.85		
1.4	256QAM	3	1	18.82	18.86	18.94		
1.4	256QAM	3	3	18.76	18.75	18.77		
1.4	256QAM	6	0	18.83	18.89	18.87	20	4

Band 13 Ant0 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					23230			
Frequency (MHz)					782			
10	QPSK	1	0		22.97		24	0
10	QPSK	1	25		22.61			
10	QPSK	1	49		22.87			
10	QPSK	25	0		22.81		24	0
10	QPSK	25	12		22.45			
10	QPSK	25	25		22.65			
10	QPSK	50	0		22.78			
10	16QAM	1	0		22.50		24	0
10	16QAM	1	25		22.55			
10	16QAM	1	49		22.82			
10	16QAM	25	0		22.82		24	0
10	16QAM	25	12		22.64			
10	16QAM	25	25		22.52			
10	16QAM	50	0		22.77			
10	64QAM	1	0		22.79		24	0
10	64QAM	1	25		22.49			
10	64QAM	1	49		22.46			
10	64QAM	25	0		22.82		24	0
10	64QAM	25	12		22.74			
10	64QAM	25	25		22.55			
10	64QAM	50	0		22.48			
10	256QAM	1	0		19.60		20	4
10	256QAM	1	25		19.56			
10	256QAM	1	49		19.52			
10	256QAM	25	0		19.27		20	4
10	256QAM	25	12		19.09			
10	256QAM	25	25		19.11			
10	256QAM	50	0		19.16			
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	0	22.66	22.96	22.88	24	0
5	QPSK	1	12	22.77	22.67	22.57		
5	QPSK	1	24	22.67	22.82	22.56		
5	QPSK	12	0	22.84	22.91	22.88	24	0
5	QPSK	12	7	22.79	22.92	22.93		
5	QPSK	12	13	22.83	22.89	22.88		
5	QPSK	25	0	22.77	22.86	22.88		
5	16QAM	1	0	22.64	22.88	22.67	24	0
5	16QAM	1	12	22.90	22.56	22.54		
5	16QAM	1	24	22.57	22.62	22.53		
5	16QAM	12	0	22.53	22.49	22.63	24	0
5	16QAM	12	7	22.48	22.48	22.69		
5	16QAM	12	13	22.51	22.63	22.38		
5	16QAM	25	0	22.52	22.42	22.53		
5	64QAM	1	0	22.63	22.74	22.62	24	0
5	64QAM	1	12	22.63	22.63	22.45		
5	64QAM	1	24	22.85	22.53	22.94		
5	64QAM	12	0	22.75	22.89	22.87	24	0
5	64QAM	12	7	22.61	22.57	22.67		
5	64QAM	12	13	22.89	22.68	22.73		
5	64QAM	25	0	22.54	22.48	22.53		
5	256QAM	1	0	19.37	19.47	19.56	20	4
5	256QAM	1	12	19.38	19.53	19.34		
5	256QAM	1	24	19.27	19.50	19.38		
5	256QAM	12	0	19.10	19.23	19.08	20	4
5	256QAM	12	7	19.12	19.12	19.32		
5	256QAM	12	13	19.08	19.00	19.03		
5	256QAM	25	0	19.12	19.16	19.08		

Band 66 Ant0 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	20.17	20.28	20.09	21.5	0
20	QPSK	1	49	20.21	20.13	20.13		
20	QPSK	1	99	20.03	20.08	20.16		
20	QPSK	50	0	19.93	20.14	20.11	21.5	0
20	QPSK	50	24	20.08	20.06	19.94		
20	QPSK	50	50	20.10	20.09	19.99		
20	QPSK	100	0	20.03	20.13	19.92		
20	16QAM	1	0	20.11	20.27	20.22	21.5	0
20	16QAM	1	49	20.20	20.16	20.25		
20	16QAM	1	99	20.14	20.14	20.05		
20	16QAM	50	0	20.10	19.99	19.95	21.5	0
20	16QAM	50	24	19.90	19.94	20.02		
20	16QAM	50	50	20.10	20.06	19.94		
20	16QAM	100	0	20.25	20.25	20.25		
20	64QAM	1	0	20.16	20.16	20.19	21.5	0
20	64QAM	1	49	20.07	19.99	19.90		
20	64QAM	1	99	19.85	19.94	20.01		
20	64QAM	50	0	20.15	20.10	20.17	21.5	0
20	64QAM	50	24	20.05	20.07	20.18		
20	64QAM	50	50	20.03	19.94	19.87		
20	64QAM	100	0	20.14	20.09	20.06		
20	256QAM	1	0	19.15	19.32	19.29	19.5	2
20	256QAM	1	49	19.20	19.37	19.18		
20	256QAM	1	99	19.11	19.26	19.28		
20	256QAM	50	0	18.87	19.05	18.85	19.5	2
20	256QAM	50	24	19.00	18.79	19.00		
20	256QAM	50	50	18.93	18.73	18.79		
20	256QAM	100	0	18.91	19.01	18.94		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	20.02	20.26	20.10	21.5	0
15	QPSK	1	37	20.18	20.01	19.99		
15	QPSK	1	74	20.00	19.97	19.99		
15	QPSK	36	0	19.70	19.79	20.02	21.5	0
15	QPSK	36	20	20.01	19.81	19.86		
15	QPSK	36	39	19.82	19.78	19.89		
15	QPSK	75	0	19.94	19.81	19.70		
15	16QAM	1	0	19.95	20.15	20.02	21.5	0
15	16QAM	1	37	20.07	20.11	20.24		
15	16QAM	1	74	19.95	20.12	19.88		
15	16QAM	36	0	20.00	19.81	19.87	21.5	0
15	16QAM	36	20	19.78	19.96	20.03		
15	16QAM	36	39	19.98	19.96	19.86		
15	16QAM	75	0	20.05	20.25	20.19		
15	64QAM	1	0	20.07	20.02	20.20	21.5	0
15	64QAM	1	37	19.91	19.96	19.86		
15	64QAM	1	74	19.80	19.83	19.84		
15	64QAM	36	0	20.06	19.93	20.05	21.5	0
15	64QAM	36	20	20.02	20.06	20.02		
15	64QAM	36	39	19.91	19.90	19.68		
15	64QAM	75	0	20.06	19.92	19.86		
15	256QAM	1	0	19.02	19.20	19.31	19.5	2
15	256QAM	1	37	19.16	19.35	19.14		
15	256QAM	1	74	19.15	19.27	19.20		
15	256QAM	36	0	18.90	19.09	18.83	19.5	2
15	256QAM	36	20	18.90	18.77	19.03		
15	256QAM	36	39	18.89	18.70	18.83		
15	256QAM	75	0	18.76	19.02	18.74		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	20.15	20.15	20.07	21.5	0
10	QPSK	1	25	20.16	20.06	20.05		
10	QPSK	1	49	19.91	19.97	20.00		
10	QPSK	25	0	19.79	19.86	19.84	21.5	0
10	QPSK	25	12	19.83	19.79	19.77		
10	QPSK	25	25	19.82	19.96	19.89		
10	QPSK	50	0	20.02	19.82	19.67		
10	16QAM	1	0	20.01	20.05	20.09	21.5	0
10	16QAM	1	25	20.13	20.13	20.08		
10	16QAM	1	49	20.10	20.07	19.99		
10	16QAM	25	0	20.05	19.89	19.93	21.5	0
10	16QAM	25	12	19.76	19.85	20.01		
10	16QAM	25	25	20.02	20.02	19.80		
10	16QAM	50	0	20.20	20.09	20.05		
10	64QAM	1	0	20.17	20.13	20.21	21.5	0
10	64QAM	1	25	20.00	19.99	19.77		
10	64QAM	1	49	19.83	19.76	19.90		
10	64QAM	25	0	19.95	19.92	20.06	21.5	0
10	64QAM	25	12	19.97	20.06	20.07		
10	64QAM	25	25	20.04	19.73	19.76		
10	64QAM	50	0	20.11	19.94	20.00		
10	256QAM	1	0	19.03	19.31	19.31	19.5	2
10	256QAM	1	25	19.13	19.34	19.08		
10	256QAM	1	49	19.05	19.29	19.16		
10	256QAM	25	0	18.89	19.11	18.89	19.5	2
10	256QAM	25	12	18.88	18.77	19.09		
10	256QAM	25	25	18.85	18.66	18.76		
10	256QAM	50	0	18.77	19.01	18.82		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	20.16	20.25	19.92	21.5	0
5	QPSK	1	12	20.23	19.93	19.93		
5	QPSK	1	24	19.90	20.03	20.11		
5	QPSK	12	0	19.81	19.72	19.89	21.5	0
5	QPSK	12	7	20.01	19.78	19.70		
5	QPSK	12	13	19.95	19.88	19.71		
5	QPSK	25	0	19.91	19.71	19.82		
5	16QAM	1	0	20.09	20.18	20.18	21.5	0
5	16QAM	1	12	20.21	20.15	20.16		
5	16QAM	1	24	20.05	20.05	20.03		
5	16QAM	12	0	19.89	19.96	19.78	21.5	0
5	16QAM	12	7	19.79	19.85	19.89		
5	16QAM	12	13	20.11	19.91	19.88		
5	16QAM	25	0	20.06	20.22	20.07		
5	64QAM	1	0	19.96	20.10	20.08	21.5	0
5	64QAM	1	12	20.04	19.79	19.89		
5	64QAM	1	24	19.63	19.77	19.89		
5	64QAM	12	0	19.99	19.94	20.15	21.5	0
5	64QAM	12	7	19.94	19.95	20.02		
5	64QAM	12	13	19.86	19.86	19.70		
5	64QAM	25	0	20.00	19.97	19.84		
5	256QAM	1	0	18.97	19.26	19.22	19.5	2
5	256QAM	1	12	19.18	19.32	19.12		
5	256QAM	1	24	19.08	19.27	19.14		
5	256QAM	12	0	18.80	19.09	18.84	19.5	2
5	256QAM	12	7	18.93	18.80	19.04		
5	256QAM	12	13	18.89	18.65	18.75		
5	256QAM	25	0	18.77	19.01	18.78		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	20.02	20.27	19.95	21.5	0
3	QPSK	1	8	20.15	20.14	20.13		
3	QPSK	1	14	19.97	19.91	20.05		
3	QPSK	8	0	19.76	19.82	19.96	21.5	0
3	QPSK	8	4	19.87	19.75	19.85		
3	QPSK	8	7	19.98	20.01	19.82		
3	QPSK	15	0	19.89	19.87	19.81		
3	16QAM	1	0	20.05	20.11	20.12	21.5	0
3	16QAM	1	8	20.01	20.08	20.19		
3	16QAM	1	14	20.13	20.11	19.95		
3	16QAM	8	0	20.00	19.93	19.80	21.5	0
3	16QAM	8	4	19.74	19.89	19.97		
3	16QAM	8	7	20.02	19.84	19.81		
3	16QAM	15	0	20.23	20.19	20.21		
3	64QAM	1	0	20.13	20.07	20.04	21.5	0
3	64QAM	1	8	19.93	19.81	19.79		
3	64QAM	1	14	19.73	19.94	19.85		
3	64QAM	8	0	19.97	19.91	20.01	21.5	0
3	64QAM	8	4	19.95	20.01	20.03		
3	64QAM	8	7	19.99	19.85	19.65		
3	64QAM	15	0	20.08	20.04	19.85		
3	256QAM	1	0	19.02	19.27	19.24	19.5	2
3	256QAM	1	8	19.15	19.30	19.09		
3	256QAM	1	14	19.15	19.25	19.12		
3	256QAM	8	0	18.84	19.01	18.80	19.5	2
3	256QAM	8	4	18.87	18.77	19.01		
3	256QAM	8	7	18.86	18.66	18.81		
3	256QAM	15	0	18.78	18.99	18.74		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	20.00	20.18	19.97	21.5	0
1.4	QPSK	1	3	20.00	20.13	20.07		
1.4	QPSK	1	5	19.96	19.81	19.91		
1.4	QPSK	3	0	19.76	19.64	19.75		
1.4	QPSK	3	1	19.88	19.75	19.80		
1.4	QPSK	3	3	19.87	20.03	19.74		
1.4	QPSK	6	0	19.76	19.82	19.66	21.5	0
1.4	16QAM	1	0	19.84	20.10	20.01	21.5	0
1.4	16QAM	1	3	19.88	20.09	20.03		
1.4	16QAM	1	5	19.96	20.03	19.95		
1.4	16QAM	3	0	19.95	19.71	19.70		
1.4	16QAM	3	1	19.68	19.84	19.80		
1.4	16QAM	3	3	19.80	19.71	19.62		
1.4	16QAM	6	0	20.15	20.01	20.12	21.5	0
1.4	64QAM	1	0	20.06	19.92	20.00	21.5	0
1.4	64QAM	1	3	19.76	19.78	19.77		
1.4	64QAM	1	5	19.72	19.88	19.86		
1.4	64QAM	3	0	19.91	19.89	19.88		
1.4	64QAM	3	1	19.90	19.85	19.87		
1.4	64QAM	3	3	20.00	19.70	19.57		
1.4	64QAM	6	0	19.86	19.92	19.72	21.5	0
1.4	256QAM	1	0	19.04	19.21	19.29	19.5	2
1.4	256QAM	1	3	19.19	19.36	19.11		
1.4	256QAM	1	5	19.10	19.30	19.20		
1.4	256QAM	3	0	18.91	19.01	18.81		
1.4	256QAM	3	1	18.95	18.78	19.04		
1.4	256QAM	3	3	18.79	18.69	18.79		
1.4	256QAM	6	0	18.82	18.98	18.83	19.5	2

Band 2 Ant1 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	20.02	20.08	20.07	20.6	0
20	QPSK	1	49	19.88	19.92	19.95		
20	QPSK	1	99	20.01	19.96	19.90		
20	QPSK	50	0	20.03	20.04	19.94	20.6	0
20	QPSK	50	24	20.01	19.93	19.83		
20	QPSK	50	50	19.95	19.98	19.96		
20	QPSK	100	0	19.89	19.97	19.94		
20	16QAM	1	0	19.88	19.86	19.95	20.6	0
20	16QAM	1	49	19.79	19.90	19.80		
20	16QAM	1	99	19.85	19.92	19.81		
20	16QAM	50	0	19.75	19.85	19.76	20.6	0
20	16QAM	50	24	19.90	20.00	20.00		
20	16QAM	50	50	20.03	19.94	19.92		
20	16QAM	100	0	20.00	20.02	19.99		
20	64QAM	1	0	19.92	19.96	19.89	20.6	0
20	64QAM	1	49	19.97	19.90	19.96		
20	64QAM	1	99	19.82	19.88	19.82		
20	64QAM	50	0	19.86	19.92	19.97	20.6	0
20	64QAM	50	24	19.93	19.83	19.76		
20	64QAM	50	50	19.72	19.82	19.78		
20	64QAM	100	0	19.93	19.90	19.99		
20	256QAM	1	0	18.26	18.34	18.31	18.6	2
20	256QAM	1	49	18.16	18.29	18.28		
20	256QAM	1	99	18.16	18.33	18.26		
20	256QAM	50	0	18.16	18.27	18.24	18.6	2
20	256QAM	50	24	18.14	18.17	18.16		
20	256QAM	50	50	18.09	18.20	18.21		
20	256QAM	100	0	18.07	18.16	18.14		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	19.96	19.91	19.88	20.6	0
15	QPSK	1	37	19.83	19.78	19.97		
15	QPSK	1	74	19.94	19.77	19.87		
15	QPSK	36	0	19.82	19.87	19.88	20.6	0
15	QPSK	36	20	19.85	19.94	19.83		
15	QPSK	36	39	19.92	19.94	19.96		
15	QPSK	75	0	19.83	19.83	19.86		
15	16QAM	1	0	19.76	19.70	19.86	20.6	0
15	16QAM	1	37	19.66	19.92	19.59		
15	16QAM	1	74	19.74	19.79	19.68		
15	16QAM	36	0	19.75	19.67	19.73	20.6	0
15	16QAM	36	20	19.68	19.95	19.89		
15	16QAM	36	39	19.95	19.89	19.87		
15	16QAM	75	0	19.81	19.97	19.77		
15	64QAM	1	0	19.73	19.85	19.84	20.6	0
15	64QAM	1	37	19.86	19.88	19.78		
15	64QAM	1	74	19.80	19.80	19.78		
15	64QAM	36	0	19.85	19.75	19.76	20.6	0
15	64QAM	36	20	19.74	19.76	19.55		
15	64QAM	36	39	19.53	19.66	19.63		
15	64QAM	75	0	19.86	19.90	19.95		
15	256QAM	1	0	18.22	18.27	18.31	18.6	2
15	256QAM	1	37	18.15	18.24	18.25		
15	256QAM	1	74	18.16	18.24	18.22		
15	256QAM	36	0	18.15	18.24	18.25	18.6	2
15	256QAM	36	20	18.14	18.11	18.11		
15	256QAM	36	39	18.08	18.20	18.14		
15	256QAM	75	0	18.06	18.09	18.04		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	19.85	19.87	19.89	20.6	0
10	QPSK	1	25	19.73	19.81	19.75		
10	QPSK	1	49	19.93	19.77	19.84		
10	QPSK	25	0	19.84	19.86	19.83	20.6	0
10	QPSK	25	12	19.86	19.76	19.78		
10	QPSK	25	25	19.88	19.90	19.78		
10	QPSK	50	0	19.72	19.84	19.91		
10	16QAM	1	0	19.90	19.76	19.83	20.6	0
10	16QAM	1	25	19.62	19.78	19.82		
10	16QAM	1	49	19.82	19.90	19.68		
10	16QAM	25	0	19.69	19.67	19.75	20.6	0
10	16QAM	25	12	19.76	19.89	19.94		
10	16QAM	25	25	19.81	19.84	19.93		
10	16QAM	50	0	19.81	19.92	19.82		
10	64QAM	1	0	19.91	19.93	19.85	20.6	0
10	64QAM	1	25	19.91	19.75	19.76		
10	64QAM	1	49	19.84	19.85	19.69		
10	64QAM	25	0	19.86	19.82	19.82	20.6	0
10	64QAM	25	12	19.83	19.84	19.61		
10	64QAM	25	25	19.53	19.68	19.65		
10	64QAM	50	0	19.74	19.70	19.96		
10	256QAM	1	0	18.23	18.30	18.26	18.6	2
10	256QAM	1	25	18.08	18.26	18.24		
10	256QAM	1	49	18.08	18.31	18.20		
10	256QAM	25	0	18.13	18.18	18.25	18.6	2
10	256QAM	25	12	18.09	18.07	18.09		
10	256QAM	25	25	18.02	18.20	18.21		
10	256QAM	50	0	18.02	18.14	18.12		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	19.87	20.05	19.94	20.6	0
5	QPSK	1	12	19.86	19.90	19.86		
5	QPSK	1	24	19.91	19.75	19.85		
5	QPSK	12	0	20.00	19.86	19.83	20.6	0
5	QPSK	12	7	19.83	19.73	19.74		
5	QPSK	12	13	19.94	19.89	19.92		
5	QPSK	25	0	19.86	19.95	19.94		
5	16QAM	1	0	19.84	19.85	19.87	20.6	0
5	16QAM	1	12	19.74	19.75	19.77		
5	16QAM	1	24	19.77	19.90	19.77		
5	16QAM	12	0	19.62	19.64	19.77	20.6	0
5	16QAM	12	7	19.78	19.83	19.80		
5	16QAM	12	13	19.97	19.86	19.89		
5	16QAM	25	0	20.01	20.03	19.83		
5	64QAM	1	0	19.76	19.81	19.77	20.6	0
5	64QAM	1	12	19.86	19.70	19.95		
5	64QAM	1	24	19.78	19.70	19.75		
5	64QAM	12	0	19.67	19.85	19.87	20.6	0
5	64QAM	12	7	19.90	19.67	19.58		
5	64QAM	12	13	19.65	19.76	19.75		
5	64QAM	25	0	19.71	19.87	19.91		
5	256QAM	1	0	18.17	18.29	18.25	18.6	2
5	256QAM	1	12	18.10	18.21	18.20		
5	256QAM	1	24	18.11	18.34	18.16		
5	256QAM	12	0	18.15	18.25	18.19	18.6	2
5	256QAM	12	7	18.15	18.15	18.14		
5	256QAM	12	13	18.08	18.11	18.20		
5	256QAM	25	0	17.97	18.08	18.13		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	19.91	19.96	20.00	20.6	0
3	QPSK	1	8	19.83	19.83	19.85		
3	QPSK	1	14	19.87	19.94	19.68		
3	QPSK	8	0	19.91	19.81	19.87	20.6	0
3	QPSK	8	4	19.92	19.80	19.84		
3	QPSK	8	7	19.88	19.82	19.85		
3	QPSK	15	0	19.85	19.84	19.96		
3	16QAM	1	0	19.88	19.73	19.91	20.6	0
3	16QAM	1	8	19.71	19.69	19.77		
3	16QAM	1	14	19.65	19.84	19.76		
3	16QAM	8	0	19.75	19.87	19.59	20.6	0
3	16QAM	8	4	19.73	19.78	19.92		
3	16QAM	8	7	19.87	19.84	19.77		
3	16QAM	15	0	19.98	19.96	20.01		
3	64QAM	1	0	19.75	19.87	19.81	20.6	0
3	64QAM	1	8	19.76	19.85	19.81		
3	64QAM	1	14	19.71	19.71	19.65		
3	64QAM	8	0	19.85	19.76	19.86	20.6	0
3	64QAM	8	4	19.76	19.67	19.63		
3	64QAM	8	7	19.52	19.61	19.64		
3	64QAM	15	0	19.86	19.71	19.94		
3	256QAM	1	0	18.20	18.27	18.22	18.6	2
3	256QAM	1	8	18.14	18.24	18.20		
3	256QAM	1	14	18.10	18.30	18.16		
3	256QAM	8	0	18.11	18.16	18.17	18.6	2
3	256QAM	8	4	18.03	18.16	18.13		
3	256QAM	8	7	18.06	18.19	18.20		
3	256QAM	15	0	18.07	18.07	18.11		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	19.91	20.03	19.89	20.6	0
1.4	QPSK	1	3	19.72	19.82	19.74		
1.4	QPSK	1	5	19.96	19.78	19.84		
1.4	QPSK	3	0	19.96	19.95	19.84		
1.4	QPSK	3	1	19.83	19.94	19.63		
1.4	QPSK	3	3	19.91	20.01	19.85		
1.4	QPSK	6	0	19.82	19.78	19.94	20.6	0
1.4	16QAM	1	0	19.69	19.88	19.91	20.6	0
1.4	16QAM	1	3	19.75	19.78	19.81		
1.4	16QAM	1	5	19.78	19.88	19.78		
1.4	16QAM	3	0	19.54	19.80	19.76		
1.4	16QAM	3	1	19.78	19.97	20.02		
1.4	16QAM	3	3	19.89	19.89	19.80		
1.4	16QAM	6	0	19.83	19.93	19.94	20.6	0
1.4	64QAM	1	0	19.78	19.90	19.68	20.6	0
1.4	64QAM	1	3	19.95	19.88	19.90		
1.4	64QAM	1	5	19.74	19.87	19.78		
1.4	64QAM	3	0	19.69	19.71	19.99		
1.4	64QAM	3	1	19.71	19.62	19.65		
1.4	64QAM	3	3	19.51	19.68	19.61		
1.4	64QAM	6	0	19.89	19.91	19.89	20.6	0
1.4	256QAM	1	0	18.16	18.30	18.27	18.6	2
1.4	256QAM	1	3	18.12	18.23	18.18		
1.4	256QAM	1	5	18.17	18.24	18.21		
1.4	256QAM	3	0	18.14	18.19	18.14		
1.4	256QAM	3	1	18.08	18.18	18.10		
1.4	256QAM	3	3	18.04	18.13	18.13		
1.4	256QAM	6	0	18.02	18.13	18.15	18.6	2

Band 4 Ant1 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	19.75	19.93	19.84	21.5	0
20	QPSK	1	49	19.74	19.68	19.57		
20	QPSK	1	99	19.84	19.69	19.70		
20	QPSK	50	0	19.53	19.88	19.69	21.5	0
20	QPSK	50	24	19.67	19.81	19.78		
20	QPSK	50	50	19.67	19.71	19.58		
20	QPSK	100	0	19.75	19.86	19.64		
20	16QAM	1	0	19.73	19.74	19.62	21.5	0
20	16QAM	1	49	19.84	19.83	19.73		
20	16QAM	1	99	19.85	19.90	19.82		
20	16QAM	50	0	19.63	19.65	19.73	20.5	1
20	16QAM	50	24	19.46	19.48	19.44		
20	16QAM	50	50	19.55	19.48	19.45		
20	16QAM	100	0	19.55	19.65	19.62		
20	64QAM	1	0	19.60	19.69	19.77	21.5	0
20	64QAM	1	49	19.70	19.71	19.62		
20	64QAM	1	99	19.65	19.89	19.73		
20	64QAM	50	0	19.56	19.56	19.56	20.5	1
20	64QAM	50	24	19.71	19.57	19.68		
20	64QAM	50	50	19.72	19.56	19.59		
20	64QAM	100	0	19.43	19.49	19.52		
20	256QAM	1	0	18.62	18.78	18.74	19.5	2
20	256QAM	1	49	18.55	18.55	18.59		
20	256QAM	1	99	18.46	18.72	18.75		
20	256QAM	50	0	18.40	18.70	18.54	19.5	2
20	256QAM	50	24	18.50	18.32	18.42		
20	256QAM	50	50	18.45	18.52	18.59		
20	256QAM	100	0	18.61	18.46	18.67		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	19.69	19.77	19.82	21.5	0
15	QPSK	1	37	19.56	19.74	19.63		
15	QPSK	1	74	19.69	19.79	19.77		
15	QPSK	36	0	19.54	19.78	19.80	21.5	0
15	QPSK	36	20	19.64	19.80	19.73		
15	QPSK	36	39	19.72	19.78	19.64		
15	QPSK	75	0	19.63	19.81	19.79		
15	16QAM	1	0	19.75	19.72	19.58	21.5	0
15	16QAM	1	37	19.85	19.74	19.69		
15	16QAM	1	74	19.79	19.90	19.78		
15	16QAM	36	0	19.57	19.54	19.56	20.5	1
15	16QAM	36	20	19.60	19.48	19.36		
15	16QAM	36	39	19.64	19.65	19.49		
15	16QAM	75	0	19.53	19.52	19.59		
15	64QAM	1	0	19.75	19.73	19.77	21.5	0
15	64QAM	1	37	19.70	19.87	19.64		
15	64QAM	1	74	19.72	19.84	19.70		
15	64QAM	36	0	19.62	19.48	19.52	20.5	1
15	64QAM	36	20	19.59	19.52	19.63		
15	64QAM	36	39	19.68	19.57	19.57		
15	64QAM	75	0	19.44	19.48	19.56		
15	256QAM	1	0	18.58	18.69	18.65	19.5	2
15	256QAM	1	37	18.42	18.61	18.54		
15	256QAM	1	74	18.45	18.61	18.71		
15	256QAM	36	0	18.47	18.64	18.64	19.5	2
15	256QAM	36	20	18.63	18.34	18.51		
15	256QAM	36	39	18.35	18.57	18.55		
15	256QAM	75	0	18.62	18.35	18.59		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	19.80	19.82	19.84	21.5	0
10	QPSK	1	25	19.56	19.70	19.55		
10	QPSK	1	49	19.68	19.65	19.73		
10	QPSK	25	0	19.51	19.79	19.80	21.5	0
10	QPSK	25	12	19.74	19.82	19.62		
10	QPSK	25	25	19.59	19.80	19.59		
10	QPSK	50	0	19.67	19.86	19.82		
10	16QAM	1	0	19.66	19.77	19.59	21.5	0
10	16QAM	1	25	19.74	19.76	19.74		
10	16QAM	1	49	19.77	19.90	19.79		
10	16QAM	25	0	19.68	19.54	19.71	20.5	1
10	16QAM	25	12	19.54	19.55	19.43		
10	16QAM	25	25	19.56	19.51	19.50		
10	16QAM	50	0	19.52	19.50	19.70		
10	64QAM	1	0	19.75	19.73	19.79	21.5	0
10	64QAM	1	25	19.67	19.78	19.69		
10	64QAM	1	49	19.65	19.74	19.78		
10	64QAM	25	0	19.47	19.50	19.39	20.5	1
10	64QAM	25	12	19.51	19.53	19.66		
10	64QAM	25	25	19.67	19.48	19.62		
10	64QAM	50	0	19.49	19.54	19.61		
10	256QAM	1	0	18.71	18.75	18.66	19.5	2
10	256QAM	1	25	18.50	18.53	18.60		
10	256QAM	1	49	18.51	18.61	18.73		
10	256QAM	25	0	18.41	18.67	18.51	19.5	2
10	256QAM	25	12	18.53	18.44	18.44		
10	256QAM	25	25	18.46	18.49	18.57		
10	256QAM	50	0	18.58	18.49	18.56		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	19.84	19.87	19.79	21.5	0
5	QPSK	1	12	19.61	19.66	19.65		
5	QPSK	1	24	19.83	19.74	19.67		
5	QPSK	12	0	19.70	19.80	19.71	21.5	0
5	QPSK	12	7	19.61	19.79	19.62		
5	QPSK	12	13	19.66	19.68	19.57		
5	QPSK	25	0	19.65	19.73	19.75		
5	16QAM	1	0	19.79	19.62	19.73	21.5	0
5	16QAM	1	12	19.69	19.86	19.75		
5	16QAM	1	24	19.69	19.90	19.77		
5	16QAM	12	0	19.56	19.53	19.68	20.5	1
5	16QAM	12	7	19.46	19.58	19.50		
5	16QAM	12	13	19.70	19.58	19.56		
5	16QAM	25	0	19.60	19.67	19.54		
5	64QAM	1	0	19.67	19.68	19.80	21.5	0
5	64QAM	1	12	19.71	19.87	19.67		
5	64QAM	1	24	19.67	19.87	19.70		
5	64QAM	12	0	19.49	19.47	19.51	20.5	1
5	64QAM	12	7	19.55	19.54	19.65		
5	64QAM	12	13	19.60	19.64	19.59		
5	64QAM	25	0	19.51	19.49	19.56		
5	256QAM	1	0	18.71	18.78	18.78	19.5	2
5	256QAM	1	12	18.51	18.66	18.57		
5	256QAM	1	24	18.55	18.61	18.70		
5	256QAM	12	0	18.54	18.70	18.65	19.5	2
5	256QAM	12	7	18.55	18.47	18.45		
5	256QAM	12	13	18.34	18.54	18.56		
5	256QAM	25	0	18.61	18.42	18.71		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	19.73	19.84	19.76	21.5	0
3	QPSK	1	8	19.75	19.75	19.66		
3	QPSK	1	14	19.83	19.79	19.73		
3	QPSK	8	0	19.55	19.78	19.62	21.5	0
3	QPSK	8	4	19.69	19.72	19.68		
3	QPSK	8	7	19.75	19.79	19.59		
3	QPSK	15	0	19.61	19.80	19.79		
3	16QAM	1	0	19.73	19.68	19.74	21.5	0
3	16QAM	1	8	19.71	19.86	19.78		
3	16QAM	1	14	19.81	19.87	19.81		
3	16QAM	8	0	19.69	19.49	19.71	20.5	1
3	16QAM	8	4	19.41	19.62	19.42		
3	16QAM	8	7	19.58	19.56	19.46		
3	16QAM	15	0	19.60	19.62	19.70		
3	64QAM	1	0	19.72	19.68	19.71	21.5	0
3	64QAM	1	8	19.81	19.83	19.61		
3	64QAM	1	14	19.72	19.72	19.63		
3	64QAM	8	0	19.49	19.51	19.51	20.5	1
3	64QAM	8	4	19.63	19.58	19.69		
3	64QAM	8	7	19.68	19.46	19.58		
3	64QAM	15	0	19.47	19.46	19.72		
3	256QAM	1	0	18.69	18.80	18.72	19.5	2
3	256QAM	1	8	18.50	18.58	18.53		
3	256QAM	1	14	18.63	18.73	18.65		
3	256QAM	8	0	18.49	18.60	18.53	19.5	2
3	256QAM	8	4	18.57	18.47	18.37		
3	256QAM	8	7	18.30	18.59	18.57		
3	256QAM	15	0	18.56	18.38	18.62		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	19.66	19.92	19.85	21.5	0
1.4	QPSK	1	3	19.72	19.78	19.64		
1.4	QPSK	1	5	19.87	19.76	19.80		
1.4	QPSK	3	0	19.71	19.70	19.78		
1.4	QPSK	3	1	19.62	19.72	19.75		
1.4	QPSK	3	3	19.60	19.68	19.71		
1.4	QPSK	6	0	19.61	19.88	19.76	21.5	0
1.4	16QAM	1	0	19.75	19.71	19.69	21.5	0
1.4	16QAM	1	3	19.83	19.88	19.72		
1.4	16QAM	1	5	19.82	19.77	19.87		
1.4	16QAM	3	0	19.67	19.52	19.62		
1.4	16QAM	3	1	19.54	19.68	19.71		
1.4	16QAM	3	3	19.70	19.72	19.75		
1.4	16QAM	6	0	19.60	19.48	19.70	20.5	1
1.4	64QAM	1	0	19.58	19.66	19.77	21.5	0
1.4	64QAM	1	3	19.70	19.88	19.65		
1.4	64QAM	1	5	19.80	19.74	19.80		
1.4	64QAM	3	0	19.57	19.54	19.65		
1.4	64QAM	3	1	19.70	19.54	19.69		
1.4	64QAM	3	3	19.75	19.57	19.61		
1.4	64QAM	6	0	19.48	19.51	19.62	20.5	1
1.4	256QAM	1	0	18.62	18.71	18.70	19.5	2
1.4	256QAM	1	3	18.39	18.65	18.71		
1.4	256QAM	1	5	18.59	18.67	18.77		
1.4	256QAM	3	0	18.48	18.62	18.57		
1.4	256QAM	3	1	18.61	18.45	18.38		
1.4	256QAM	3	3	18.36	18.49	18.53		
1.4	256QAM	6	0	18.63	18.43	18.58	19.5	2

Band 5 Ant1 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	22.48	22.66	22.55	24	0
10	QPSK	1	25	22.35	22.37	22.49		
10	QPSK	1	49	22.25	22.36	22.43		
10	QPSK	25	0	22.41	22.58	22.54	24	0
10	QPSK	25	12	22.48	22.53	22.51		
10	QPSK	25	25	22.40	22.48	22.48		
10	QPSK	50	0	22.43	22.53	22.50		
10	16QAM	1	0	22.29	22.29	22.24	24	0
10	16QAM	1	25	22.22	22.16	22.26		
10	16QAM	1	49	22.24	22.12	22.27		
10	16QAM	25	0	22.08	21.95	22.15	23	1
10	16QAM	25	12	22.03	21.92	22.19		
10	16QAM	25	25	22.07	22.07	22.23		
10	16QAM	50	0	21.66	21.48	21.66		
10	64QAM	1	0	22.56	22.47	22.61	24	0
10	64QAM	1	25	22.49	22.55	22.52		
10	64QAM	1	49	22.37	22.64	22.59		
10	64QAM	25	0	21.91	21.87	22.03	23	1
10	64QAM	25	12	21.98	22.01	22.03		
10	64QAM	25	25	21.88	21.81	22.01		
10	64QAM	50	0	21.94	21.89	22.02		
10	256QAM	1	0	18.77	18.87	18.79	20	4
10	256QAM	1	25	18.61	18.68	18.69		
10	256QAM	1	49	18.61	18.81	18.80		
10	256QAM	25	0	18.67	18.72	18.69	20	4
10	256QAM	25	12	18.61	18.70	18.65		
10	256QAM	25	25	18.62	18.50	18.67		
10	256QAM	50	0	18.59	18.65	18.71		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	22.45	22.37	22.28	24	0
5	QPSK	1	12	22.39	22.41	22.31		
5	QPSK	1	24	22.38	22.29	22.54		
5	QPSK	12	0	22.26	22.32	22.47	24	0
5	QPSK	12	7	22.48	22.45	22.53		
5	QPSK	12	13	22.41	22.45	22.52		
5	QPSK	25	0	22.41	22.43	22.44		
5	16QAM	1	0	22.26	22.33	22.28	24	0
5	16QAM	1	12	22.32	22.17	22.38		
5	16QAM	1	24	22.11	22.15	22.31		
5	16QAM	12	0	22.09	21.92	22.09	23	1
5	16QAM	12	7	22.01	22.03	22.08		
5	16QAM	12	13	22.02	22.07	22.20		
5	16QAM	25	0	21.57	21.42	21.59		
5	64QAM	1	0	22.56	22.53	22.17	24	0
5	64QAM	1	12	22.59	22.57	22.41		
5	64QAM	1	24	22.53	22.30	22.50		
5	64QAM	12	0	22.45	22.38	22.26	23	1
5	64QAM	12	7	22.60	22.49	22.54		
5	64QAM	12	13	22.47	22.54	22.10		
5	64QAM	25	0	21.95	21.97	21.67		
5	256QAM	1	0	18.69	18.80	18.69	20	4
5	256QAM	1	12	18.62	18.63	18.63		
5	256QAM	1	24	18.57	18.78	18.76		
5	256QAM	12	0	18.61	18.68	18.60	20	4
5	256QAM	12	7	18.53	18.60	18.61		
5	256QAM	12	13	18.56	18.39	18.61		
5	256QAM	25	0	18.58	18.63	18.72		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	22.40	22.30	22.43	24	0
3	QPSK	1	8	22.43	22.37	22.48		
3	QPSK	1	14	22.35	22.36	22.46		
3	QPSK	8	0	22.47	22.34	22.45	24	0
3	QPSK	8	4	22.47	22.44	22.53		
3	QPSK	8	7	22.45	22.42	22.52		
3	QPSK	15	0	22.45	22.40	22.43		
3	16QAM	1	0	22.40	22.27	22.18	24	0
3	16QAM	1	8	22.29	22.31	22.33		
3	16QAM	1	14	22.11	22.21	22.38		
3	16QAM	8	0	22.09	22.02	22.09	23	1
3	16QAM	8	4	22.05	21.96	22.11		
3	16QAM	8	7	22.13	22.09	22.26		
3	16QAM	15	0	21.65	21.53	21.66		
3	64QAM	1	0	22.53	22.45	22.56	24	0
3	64QAM	1	8	22.56	22.50	22.63		
3	64QAM	1	14	22.51	22.47	22.60		
3	64QAM	8	0	21.96	21.87	21.96	23	1
3	64QAM	8	4	21.94	21.92	22.06		
3	64QAM	8	7	21.96	21.94	22.03		
3	64QAM	15	0	21.93	21.93	21.95		
3	256QAM	1	0	18.73	18.79	18.69	20	4
3	256QAM	1	8	18.53	18.60	18.67		
3	256QAM	1	14	18.56	18.70	18.74		
3	256QAM	8	0	18.60	18.68	18.68	20	4
3	256QAM	8	4	18.61	18.65	18.65		
3	256QAM	8	7	18.52	18.44	18.64		
3	256QAM	15	0	18.60	18.62	18.60		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	22.40	22.31	22.47	24	0
1.4	QPSK	1	3	22.42	22.38	22.51		
1.4	QPSK	1	5	22.36	22.33	22.47		
1.4	QPSK	3	0	22.41	22.35	22.49		
1.4	QPSK	3	1	22.44	22.38	22.49		
1.4	QPSK	3	3	22.39	22.39	22.49		
1.4	QPSK	6	0	22.44	22.35	22.50	24	0
1.4	16QAM	1	0	22.35	22.32	22.32	24	0
1.4	16QAM	1	3	22.24	22.30	22.30		
1.4	16QAM	1	5	22.14	22.22	22.26		
1.4	16QAM	3	0	22.16	22.23	22.06		
1.4	16QAM	3	1	22.09	22.31	22.20		
1.4	16QAM	3	3	22.11	22.28	22.20		
1.4	16QAM	6	0	21.47	21.38	21.66	23	1
1.4	64QAM	1	0	22.61	22.44	22.58	24	0
1.4	64QAM	1	3	22.48	22.51	22.64		
1.4	64QAM	1	5	22.50	22.53	22.65		
1.4	64QAM	3	0	22.51	22.40	22.36		
1.4	64QAM	3	1	22.51	22.45	22.43		
1.4	64QAM	3	3	22.48	22.48	22.49		
1.4	64QAM	6	0	21.96	21.87	22.01	23	1
1.4	256QAM	1	0	18.68	18.84	18.68	20	4
1.4	256QAM	1	3	18.52	18.67	18.64		
1.4	256QAM	1	5	18.57	18.79	18.70		
1.4	256QAM	3	0	18.62	18.69	18.61		
1.4	256QAM	3	1	18.50	18.63	18.57		
1.4	256QAM	3	3	18.57	18.48	18.60		
1.4	256QAM	6	0	18.48	18.54	18.60	20	4

Band 7 Ant1 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	19.97	20.29	20.02	21.6	0
20	QPSK	1	49	19.94	20.13	20.06		
20	QPSK	1	99	19.79	20.02	19.95		
20	QPSK	50	0	19.99	20.07	20.04	21.6	0
20	QPSK	50	24	20.01	19.99	20.00		
20	QPSK	50	50	19.89	20.04	20.01		
20	QPSK	100	0	19.78	20.07	19.88		
20	16QAM	1	0	20.01	20.18	20.01	21.6	0
20	16QAM	1	49	19.93	20.13	19.88		
20	16QAM	1	99	19.92	20.12	20.12		
20	16QAM	50	0	20.05	20.13	19.96	21.6	0
20	16QAM	50	24	19.96	19.74	20.19		
20	16QAM	50	50	19.90	20.02	20.06		
20	16QAM	100	0	20.00	19.82	19.97		
20	64QAM	1	0	19.90	20.13	20.09	21.6	0
20	64QAM	1	49	19.91	19.85	20.00		
20	64QAM	1	99	19.73	19.96	19.83		
20	64QAM	50	0	20.12	19.77	20.01	21.6	0
20	64QAM	50	24	20.01	19.94	20.01		
20	64QAM	50	50	19.94	19.97	19.81		
20	64QAM	100	0	19.83	20.14	19.85		
20	256QAM	1	0	18.86	18.96	18.91	20	1.6
20	256QAM	1	49	18.70	18.80	18.83		
20	256QAM	1	99	18.77	18.94	18.90		
20	256QAM	50	0	18.85	18.87	18.82	20	1.6
20	256QAM	50	24	18.81	18.68	18.76		
20	256QAM	50	50	18.73	18.70	18.85		
20	256QAM	100	0	18.76	18.85	18.84		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	19.83	20.17	19.97	21.6	0
15	QPSK	1	37	19.92	20.05	20.00		
15	QPSK	1	74	19.87	19.99	19.93		
15	QPSK	36	0	19.87	20.03	19.84	21.6	0
15	QPSK	36	20	20.00	19.92	19.86		
15	QPSK	36	39	19.71	19.93	19.82		
15	QPSK	75	0	19.76	20.00	19.84		
15	16QAM	1	0	19.98	20.00	19.92	21.6	0
15	16QAM	1	37	19.74	20.09	19.82		
15	16QAM	1	74	19.88	19.95	20.08		
15	16QAM	36	0	20.00	20.04	19.87	21.6	0
15	16QAM	36	20	19.78	19.68	20.03		
15	16QAM	36	39	19.80	19.89	19.89		
15	16QAM	75	0	19.96	19.77	19.86		
15	64QAM	1	0	19.80	19.95	19.95	21.6	0
15	64QAM	1	37	19.88	19.66	19.83		
15	64QAM	1	74	19.67	19.78	19.70		
15	64QAM	36	0	19.92	19.69	19.84	21.6	0
15	64QAM	36	20	19.90	19.87	19.91		
15	64QAM	36	39	19.92	19.83	19.79		
15	64QAM	75	0	19.74	19.98	19.78		
15	256QAM	1	0	18.77	18.87	18.86	20	1.6
15	256QAM	1	37	18.70	18.79	18.78		
15	256QAM	1	74	18.75	18.88	18.81		
15	256QAM	36	0	18.77	18.78	18.83	20	1.6
15	256QAM	36	20	18.71	18.61	18.75		
15	256QAM	36	39	18.64	18.62	18.77		
15	256QAM	75	0	18.77	18.81	18.81		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	19.94	20.27	19.85	21.6	0
10	QPSK	1	25	19.86	19.96	19.97		
10	QPSK	1	49	19.99	19.83	19.91		
10	QPSK	25	0	19.82	19.97	19.85	21.6	0
10	QPSK	25	12	19.97	19.98	19.83		
10	QPSK	25	25	19.88	19.90	19.93		
10	QPSK	50	0	19.63	19.99	19.80		
10	16QAM	1	0	19.95	20.13	19.96	21.6	0
10	16QAM	1	25	19.78	20.00	19.74		
10	16QAM	1	49	19.81	20.08	19.92		
10	16QAM	25	0	19.90	20.12	19.84	21.6	0
10	16QAM	25	12	19.87	19.95	20.09		
10	16QAM	25	25	19.89	19.83	20.04		
10	16QAM	50	0	19.82	19.64	19.93		
10	64QAM	1	0	19.71	20.03	19.96	21.6	0
10	64QAM	1	25	19.80	19.65	19.88		
10	64QAM	1	49	19.76	19.79	19.78		
10	64QAM	25	0	19.96	19.68	19.99	21.6	0
10	64QAM	25	12	19.93	19.76	20.00		
10	64QAM	25	25	19.81	19.92	19.62		
10	64QAM	50	0	19.66	20.08	19.70		
10	256QAM	1	0	18.80	18.90	18.86	20	1.6
10	256QAM	1	25	18.70	18.73	18.75		
10	256QAM	1	49	18.71	18.84	18.80		
10	256QAM	25	0	18.82	18.84	18.72	20	1.6
10	256QAM	25	12	18.76	18.69	18.77		
10	256QAM	25	25	18.66	18.60	18.79		
10	256QAM	50	0	18.77	18.78	18.77		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	19.86	20.15	19.94	21.6	0
5	QPSK	1	12	19.83	20.04	19.98		
5	QPSK	1	24	19.95	19.84	19.89		
5	QPSK	12	0	19.89	20.06	20.01	21.6	0
5	QPSK	12	7	19.88	19.97	19.84		
5	QPSK	12	13	19.69	20.03	19.87		
5	QPSK	25	0	19.78	19.89	19.73		
5	16QAM	1	0	19.82	20.11	19.86	21.6	0
5	16QAM	1	12	19.79	20.00	19.70		
5	16QAM	1	24	19.82	20.10	20.03		
5	16QAM	12	0	19.98	19.94	19.92	21.6	0
5	16QAM	12	7	19.85	19.96	20.15		
5	16QAM	12	13	19.75	19.98	19.93		
5	16QAM	25	0	19.82	19.72	19.89		
5	64QAM	1	0	19.84	20.03	19.99	21.6	0
5	64QAM	1	12	19.83	19.67	19.91		
5	64QAM	1	24	19.70	19.90	19.64		
5	64QAM	12	0	19.98	19.62	19.89	21.6	0
5	64QAM	12	7	19.82	19.84	19.86		
5	64QAM	12	13	19.94	19.93	19.77		
5	64QAM	25	0	19.79	20.01	19.66		
5	256QAM	1	0	18.76	18.88	18.84	20	1.6
5	256QAM	1	12	18.67	18.72	18.79		
5	256QAM	1	24	18.67	18.89	18.84		
5	256QAM	12	0	18.78	18.81	18.77	20	1.6
5	256QAM	12	7	18.82	18.60	18.70		
5	256QAM	12	13	18.65	18.65	18.77		
5	256QAM	25	0	18.72	18.77	18.75		

Band 12 Ant1 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	24.29	24.38	24.34	25	0
10	QPSK	1	25	24.21	24.26	24.22		
10	QPSK	1	49	24.23	24.30	24.10		
10	QPSK	25	0	23.31	23.41	23.34	24	1
10	QPSK	25	12	23.37	23.31	23.33		
10	QPSK	25	25	23.40	23.37	23.28		
10	QPSK	50	0	23.35	23.37	23.36		
10	16QAM	1	0	23.39	23.47	23.53	24	1
10	16QAM	1	25	23.41	23.39	23.37		
10	16QAM	1	49	23.45	23.21	23.29		
10	16QAM	25	0	22.26	22.34	22.27	23	2
10	16QAM	25	12	22.37	22.31	22.28		
10	16QAM	25	25	22.23	22.41	22.35		
10	16QAM	50	0	22.40	22.32	22.41		
10	64QAM	1	0	22.33	22.43	22.36	23	2
10	64QAM	1	25	22.44	22.35	22.53		
10	64QAM	1	49	22.46	22.25	22.35		
10	64QAM	25	0	21.33	21.27	21.35	23	2
10	64QAM	25	12	21.40	21.31	21.26		
10	64QAM	25	25	21.38	21.36	21.31		
10	64QAM	50	0	21.35	21.31	21.33		
10	256QAM	1	0	19.33	19.28	19.35	20	5
10	256QAM	1	25	19.49	19.50	19.33		
10	256QAM	1	49	19.56	19.48	19.38		
10	256QAM	25	0	19.27	19.32	19.36	20	5
10	256QAM	25	12	19.39	19.26	19.27		
10	256QAM	25	25	19.35	19.33	19.33		
10	256QAM	50	0	19.33	19.29	19.37		
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	24.28	24.30	24.19	25	0
5	QPSK	1	12	24.29	24.28	24.35		
5	QPSK	1	24	24.08	24.18	24.23		
5	QPSK	12	0	23.38	23.30	23.34	24	1
5	QPSK	12	7	23.36	23.36	23.47		
5	QPSK	12	13	23.21	23.27	23.18		
5	QPSK	25	0	23.31	23.25	23.29		
5	16QAM	1	0	23.49	23.39	23.35	24	1
5	16QAM	1	12	23.49	23.47	23.56		
5	16QAM	1	24	23.47	23.41	23.34		
5	16QAM	12	0	22.34	22.34	22.40	23	2
5	16QAM	12	7	22.35	22.39	22.36		
5	16QAM	12	13	22.21	22.31	22.40		
5	16QAM	25	0	22.17	22.29	22.18		
5	64QAM	1	0	22.34	22.38	22.31	23	2
5	64QAM	1	12	22.38	22.47	22.45		
5	64QAM	1	24	22.36	22.29	22.32		
5	64QAM	12	0	21.29	21.30	21.38	23	2
5	64QAM	12	7	21.26	21.33	21.38		
5	64QAM	12	13	21.47	21.36	21.43		
5	64QAM	25	0	21.15	21.23	21.16		
5	256QAM	1	0	19.44	19.36	19.35	20	5
5	256QAM	1	12	19.47	19.48	19.46		
5	256QAM	1	24	19.41	19.32	19.23		
5	256QAM	12	0	19.39	19.29	19.41	20	5
5	256QAM	12	7	19.41	19.41	19.43		
5	256QAM	12	13	19.45	19.33	19.33		
5	256QAM	25	0	19.32	19.25	19.17		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	24.35	24.29	24.26	25	0
3	QPSK	1	8	24.30	24.28	24.32		
3	QPSK	1	14	24.04	24.12	24.19		
3	QPSK	8	0	23.37	23.28	23.26	24	1
3	QPSK	8	4	23.35	23.35	23.33		
3	QPSK	8	7	23.31	23.37	23.47		
3	QPSK	15	0	23.41	23.32	23.37		
3	16QAM	1	0	23.19	23.27	23.30	24	1
3	16QAM	1	8	23.45	23.51	23.20		
3	16QAM	1	14	23.38	23.29	23.24		
3	16QAM	8	0	22.37	22.29	22.17	23	2
3	16QAM	8	4	22.46	22.41	22.51		
3	16QAM	8	7	22.37	22.39	22.50		
3	16QAM	15	0	22.44	22.34	22.44		
3	64QAM	1	0	22.34	22.35	22.42	23	2
3	64QAM	1	8	22.71	22.59	22.69		
3	64QAM	1	14	22.35	22.44	22.46		
3	64QAM	8	0	21.45	21.41	21.29	23	2
3	64QAM	8	4	21.49	21.52	21.53		
3	64QAM	8	7	21.24	21.32	21.25		
3	64QAM	15	0	21.19	21.30	21.32		
3	256QAM	1	0	19.40	19.35	19.45	20	5
3	256QAM	1	8	19.38	19.46	19.55		
3	256QAM	1	14	19.38	19.33	19.31		
3	256QAM	8	0	19.30	19.34	19.26	20	5
3	256QAM	8	4	19.41	19.42	19.54		
3	256QAM	8	7	19.39	19.38	19.37		
3	256QAM	15	0	19.45	19.33	19.39		
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	24.19	24.19	24.34	25	0
1.4	QPSK	1	3	24.20	24.24	24.08		
1.4	QPSK	1	5	24.02	24.15	23.90		
1.4	QPSK	3	0	24.12	24.16	24.09		
1.4	QPSK	3	1	24.15	24.27	24.13		
1.4	QPSK	3	3	23.88	24.01	24.03		
1.4	QPSK	6	0	23.18	23.13	23.29	24	1
1.4	16QAM	1	0	23.22	23.15	23.35	24	1
1.4	16QAM	1	3	23.05	23.20	23.17		
1.4	16QAM	1	5	23.24	23.05	23.25		
1.4	16QAM	3	0	23.44	23.34	23.14		
1.4	16QAM	3	1	23.29	23.31	23.51		
1.4	16QAM	3	3	23.28	23.36	23.29		
1.4	16QAM	6	0	22.32	22.15	22.41	23	2
1.4	64QAM	1	0	22.35	22.23	22.28	23	2
1.4	64QAM	1	3	22.31	22.20	22.25		
1.4	64QAM	1	5	22.06	22.25	22.18		
1.4	64QAM	3	0	22.19	22.24	22.29		
1.4	64QAM	3	1	22.38	22.48	22.45		
1.4	64QAM	3	3	22.33	22.15	22.26		
1.4	64QAM	6	0	21.30	21.16	21.26	23	2
1.4	256QAM	1	0	19.37	19.16	19.15	20	5
1.4	256QAM	1	3	19.25	19.26	19.24		
1.4	256QAM	1	5	19.41	19.31	19.02		
1.4	256QAM	3	0	19.20	19.26	19.24		
1.4	256QAM	3	1	19.37	19.26	19.39		
1.4	256QAM	3	3	19.37	19.27	19.14		
1.4	256QAM	6	0	19.22	19.10	19.05	20	5

Band 13 Ant1 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					23230			
Frequency (MHz)					782			
10	QPSK	1	0		24.33		25	0
10	QPSK	1	25		24.24			
10	QPSK	1	49		24.31			
10	QPSK	25	0		23.41		24	1
10	QPSK	25	12		23.36			
10	QPSK	25	25		23.37			
10	QPSK	50	0		23.27			
10	16QAM	1	0		23.21		24	1
10	16QAM	1	25		23.67			
10	16QAM	1	49		23.34			
10	16QAM	25	0		22.31		23	2
10	16QAM	25	12		22.34			
10	16QAM	25	25		22.32			
10	16QAM	50	0		22.25			
10	64QAM	1	0		22.49		23	2
10	64QAM	1	25		22.54			
10	64QAM	1	49		22.31			
10	64QAM	25	0		21.39		23	2
10	64QAM	25	12		21.34			
10	64QAM	25	25		21.32			
10	64QAM	50	0		21.27			
10	256QAM	1	0		19.42		20	5
10	256QAM	1	25		19.44			
10	256QAM	1	49		19.52			
10	256QAM	25	0		19.40		20	5
10	256QAM	25	12		19.30			
10	256QAM	25	25		19.34			
10	256QAM	50	0		19.31			
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	0	24.12	24.20	24.14	25	0
5	QPSK	1	12	24.11	24.13	24.11		
5	QPSK	1	24	24.18	24.27	24.29		
5	QPSK	12	0	23.36	23.26	23.30	24	1
5	QPSK	12	7	23.34	23.32	23.15		
5	QPSK	12	13	23.20	23.31	23.26		
5	QPSK	25	0	23.10	23.18	23.13		
5	16QAM	1	0	23.22	23.14	23.18	24	1
5	16QAM	1	12	23.56	23.52	23.64		
5	16QAM	1	24	23.22	23.19	23.30		
5	16QAM	12	0	22.19	22.26	22.09	23	2
5	16QAM	12	7	22.13	22.27	22.12		
5	16QAM	12	13	22.17	22.18	22.20		
5	16QAM	25	0	22.07	22.21	22.16		
5	64QAM	1	0	22.32	22.29	22.32	23	2
5	64QAM	1	12	22.45	22.38	22.38		
5	64QAM	1	24	22.16	22.17	22.19		
5	64QAM	12	0	21.21	21.18	21.19	23	2
5	64QAM	12	7	21.19	21.29	21.28		
5	64QAM	12	13	21.14	21.26	21.20		
5	64QAM	25	0	21.06	21.07	21.12		
5	256QAM	1	0	19.36	19.26	19.35	20	5
5	256QAM	1	12	19.28	19.25	19.41		
5	256QAM	1	24	19.36	19.32	19.47		
5	256QAM	12	0	19.28	19.24	19.30	20	5
5	256QAM	12	7	19.13	19.26	19.09		
5	256QAM	12	13	19.24	19.31	19.28		
5	256QAM	25	0	19.29	19.15	19.28		

Band 66 Ant1 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	20.06	20.11	19.94	21.5	0
20	QPSK	1	49	19.77	19.80	19.70		
20	QPSK	1	99	19.88	19.82	19.87		
20	QPSK	50	0	20.01	19.90	19.82	21.5	0
20	QPSK	50	24	19.77	19.88	19.80		
20	QPSK	50	50	19.76	19.82	19.78		
20	QPSK	100	0	19.77	19.91	19.85		
20	16QAM	1	0	19.84	19.79	19.79	21.5	0
20	16QAM	1	49	19.88	19.94	19.89		
20	16QAM	1	99	19.86	19.95	19.90		
20	16QAM	50	0	19.77	19.68	19.74	20.5	1
20	16QAM	50	24	19.61	19.65	19.57		
20	16QAM	50	50	19.75	19.67	19.61		
20	16QAM	100	0	19.72	19.68	19.75		
20	64QAM	1	0	19.79	19.82	19.85	21.5	0
20	64QAM	1	49	19.87	19.90	19.81		
20	64QAM	1	99	19.82	19.92	19.83		
20	64QAM	50	0	19.64	19.65	19.58	20.5	1
20	64QAM	50	24	19.72	19.68	19.76		
20	64QAM	50	50	19.77	19.66	19.67		
20	64QAM	100	0	19.57	19.63	19.73		
20	256QAM	1	0	18.76	18.88	18.84	19.5	2
20	256QAM	1	49	18.57	18.73	18.73		
20	256QAM	1	99	18.66	18.79	18.80		
20	256QAM	50	0	18.60	18.75	18.68	19.5	2
20	256QAM	50	24	18.67	18.53	18.58		
20	256QAM	50	50	18.49	18.64	18.66		
20	256QAM	100	0	18.66	18.51	18.72		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	19.77	19.88	19.74	21.5	0
15	QPSK	1	37	19.57	19.66	19.64		
15	QPSK	1	74	19.75	19.74	19.69		
15	QPSK	36	0	19.60	19.72	19.70	21.5	0
15	QPSK	36	20	19.62	19.70	19.75		
15	QPSK	36	39	19.59	19.64	19.91		
15	QPSK	75	0	19.75	19.77	19.83		
15	16QAM	1	0	19.76	19.66	19.79	21.5	0
15	16QAM	1	37	19.87	19.78	19.70		
15	16QAM	1	74	19.67	19.84	19.74		
15	16QAM	36	0	19.57	19.48	19.70	20.5	1
15	16QAM	36	20	19.58	19.44	19.43		
15	16QAM	36	39	19.71	19.57	19.54		
15	16QAM	75	0	19.69	19.67	19.60		
15	64QAM	1	0	19.76	19.74	19.78	21.5	0
15	64QAM	1	37	19.72	19.69	19.82		
15	64QAM	1	74	19.80	19.92	19.74		
15	64QAM	36	0	19.56	19.52	19.48	20.5	1
15	64QAM	36	20	19.69	19.53	19.57		
15	64QAM	36	39	19.68	19.57	19.63		
15	64QAM	75	0	19.53	19.58	19.66		
15	256QAM	1	0	18.72	18.78	18.76	19.5	2
15	256QAM	1	37	18.46	18.72	18.62		
15	256QAM	1	74	18.64	18.73	18.79		
15	256QAM	36	0	18.52	18.74	18.66	19.5	2
15	256QAM	36	20	18.64	18.49	18.48		
15	256QAM	36	39	18.45	18.63	18.58		
15	256QAM	75	0	18.64	18.50	18.70		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	19.76	19.76	19.82	21.5	0
10	QPSK	1	25	19.70	19.77	19.71		
10	QPSK	1	49	19.77	19.64	19.84		
10	QPSK	25	0	19.72	19.77	19.65	21.5	0
10	QPSK	25	12	19.74	19.67	19.76		
10	QPSK	25	25	19.60	19.70	19.89		
10	QPSK	50	0	19.59	19.64	19.88		
10	16QAM	1	0	19.64	19.74	19.65	21.5	0
10	16QAM	1	25	19.89	19.83	19.72		
10	16QAM	1	49	19.72	19.86	19.76		
10	16QAM	25	0	19.74	19.53	19.60	20.5	1
10	16QAM	25	12	19.40	19.58	19.48		
10	16QAM	25	25	19.63	19.47	19.42		
10	16QAM	50	0	19.58	19.48	19.63		
10	64QAM	1	0	19.64	19.67	19.80	21.5	0
10	64QAM	1	25	19.80	19.91	19.62		
10	64QAM	1	49	19.68	19.85	19.80		
10	64QAM	25	0	19.57	19.47	19.55	20.5	1
10	64QAM	25	12	19.69	19.67	19.57		
10	64QAM	25	25	19.75	19.57	19.55		
10	64QAM	50	0	19.57	19.44	19.52		
10	256QAM	1	0	18.75	18.82	18.84	19.5	2
10	256QAM	1	25	18.55	18.68	18.69		
10	256QAM	1	49	18.65	18.72	18.80		
10	256QAM	25	0	18.52	18.68	18.63	19.5	2
10	256QAM	25	12	18.58	18.53	18.52		
10	256QAM	25	25	18.42	18.63	18.67		
10	256QAM	50	0	18.57	18.50	18.73		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	19.79	19.87	19.91	21.5	0
5	QPSK	1	12	19.61	19.81	19.71		
5	QPSK	1	24	19.78	19.79	19.70		
5	QPSK	12	0	19.61	19.62	19.74	21.5	0
5	QPSK	12	7	19.78	19.90	19.76		
5	QPSK	12	13	19.65	19.81	19.80		
5	QPSK	25	0	19.62	19.68	19.91		
5	16QAM	1	0	19.72	19.63	19.77	21.5	0
5	16QAM	1	12	19.85	19.76	19.78		
5	16QAM	1	24	19.74	19.89	19.84		
5	16QAM	12	0	19.60	19.57	19.73	20.5	1
5	16QAM	12	7	19.61	19.59	19.42		
5	16QAM	12	13	19.63	19.62	19.45		
5	16QAM	25	0	19.66	19.56	19.53		
5	64QAM	1	0	19.64	19.80	19.80	21.5	0
5	64QAM	1	12	19.81	19.90	19.82		
5	64QAM	1	24	19.79	19.77	19.68		
5	64QAM	12	0	19.65	19.66	19.42	20.5	1
5	64QAM	12	7	19.70	19.58	19.65		
5	64QAM	12	13	19.58	19.44	19.49		
5	64QAM	25	0	19.43	19.42	19.56		
5	256QAM	1	0	18.68	18.88	18.85	19.5	2
5	256QAM	1	12	18.50	18.68	18.71		
5	256QAM	1	24	18.63	18.77	18.79		
5	256QAM	12	0	18.56	18.66	18.68	19.5	2
5	256QAM	12	7	18.64	18.44	18.53		
5	256QAM	12	13	18.40	18.62	18.58		
5	256QAM	25	0	18.60	18.43	18.70		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	19.83	19.93	19.92	21.5	0
3	QPSK	1	8	19.73	19.62	19.61		
3	QPSK	1	14	19.87	19.61	19.76		
3	QPSK	8	0	19.59	19.60	19.69	21.5	0
3	QPSK	8	4	19.70	19.68	19.70		
3	QPSK	8	7	19.71	19.70	19.91		
3	QPSK	15	0	19.76	19.72	19.70		
3	16QAM	1	0	19.83	19.77	19.64	21.5	0
3	16QAM	1	8	19.85	19.93	19.67		
3	16QAM	1	14	19.81	19.94	19.84		
3	16QAM	8	0	19.59	19.64	19.72	20.5	1
3	16QAM	8	4	19.63	19.61	19.56		
3	16QAM	8	7	19.62	19.46	19.54		
3	16QAM	15	0	19.70	19.65	19.67		
3	64QAM	1	0	19.73	19.74	19.86	21.5	0
3	64QAM	1	8	19.78	19.82	19.73		
3	64QAM	1	14	19.63	19.85	19.73		
3	64QAM	8	0	19.47	19.61	19.41	20.5	1
3	64QAM	8	4	19.72	19.52	19.56		
3	64QAM	8	7	19.58	19.68	19.65		
3	64QAM	15	0	19.45	19.57	19.52		
3	256QAM	1	0	18.75	18.77	18.82	19.5	2
3	256QAM	1	8	18.49	18.69	18.73		
3	256QAM	1	14	18.63	18.78	18.79		
3	256QAM	8	0	18.50	18.70	18.65	19.5	2
3	256QAM	8	4	18.62	18.44	18.51		
3	256QAM	8	7	18.42	18.56	18.57		
3	256QAM	15	0	18.63	18.49	18.62		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	19.65	19.79	19.78	21.5	0
1.4	QPSK	1	3	19.74	19.68	19.60		
1.4	QPSK	1	5	19.72	19.68	19.73		
1.4	QPSK	3	0	19.69	19.67	19.80		
1.4	QPSK	3	1	19.61	19.80	19.69		
1.4	QPSK	3	3	19.65	19.62	19.75		
1.4	QPSK	6	0	19.74	19.68	19.82	21.5	0
1.4	16QAM	1	0	19.69	19.71	19.58	21.5	0
1.4	16QAM	1	3	19.71	19.87	19.67		
1.4	16QAM	1	5	19.75	19.80	19.81		
1.4	16QAM	3	0	19.74	19.59	19.54		
1.4	16QAM	3	1	19.52	19.51	19.57		
1.4	16QAM	3	3	19.55	19.87	19.75		
1.4	16QAM	6	0	19.51	19.46	19.71	21.5	0
1.4	64QAM	1	0	19.67	19.81	19.74	21.5	0
1.4	64QAM	1	3	19.68	19.83	19.64		
1.4	64QAM	1	5	19.72	19.80	19.85		
1.4	64QAM	3	0	19.61	19.53	19.64		
1.4	64QAM	3	1	19.61	19.56	19.69		
1.4	64QAM	3	3	19.70	19.63	19.64		
1.4	64QAM	6	0	19.52	19.63	19.57	21.5	0
1.4	256QAM	1	0	18.73	18.80	18.84	19.5	2
1.4	256QAM	1	3	18.56	18.67	18.65		
1.4	256QAM	1	5	18.56	18.74	18.77		
1.4	256QAM	3	0	18.50	18.74	18.67		
1.4	256QAM	3	1	18.64	18.47	18.56		
1.4	256QAM	3	3	18.46	18.53	18.60		
1.4	256QAM	6	0	18.60	18.43	18.65	19.5	2

Band 2 Ant1 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	18.03	18.08	17.98	19.1	0
20	QPSK	1	49	18.03	17.92	18.03		
20	QPSK	1	99	17.83	17.94	17.99		
20	QPSK	50	0	18.03	18.05	17.99	19.1	0
20	QPSK	50	24	18.00	17.93	17.84		
20	QPSK	50	50	17.89	17.97	18.01		
20	QPSK	100	0	17.92	17.95	17.92		
20	16QAM	1	0	17.89	17.93	17.82	19.1	0
20	16QAM	1	49	17.80	18.04	17.91		
20	16QAM	1	99	17.92	18.02	17.99		
20	16QAM	50	0	17.83	17.91	17.97	19.1	0
20	16QAM	50	24	17.88	17.92	17.83		
20	16QAM	50	50	18.00	17.99	18.00		
20	16QAM	100	0	17.86	17.88	17.77		
20	64QAM	1	0	18.06	18.03	17.88	19.1	0
20	64QAM	1	49	17.99	17.91	17.89		
20	64QAM	1	99	17.95	18.06	18.04		
20	64QAM	50	0	17.95	17.93	18.00	19.1	0
20	64QAM	50	24	17.81	17.88	17.99		
20	64QAM	50	50	17.83	17.90	17.98		
20	64QAM	100	0	17.96	17.86	17.88		
20	256QAM	1	0	18.03	18.00	17.97	19.1	0
20	256QAM	1	49	18.03	18.02	17.90		
20	256QAM	1	99	17.98	17.94	17.98		
20	256QAM	50	0	18.00	17.91	17.92	19.1	0
20	256QAM	50	24	17.99	17.87	17.77		
20	256QAM	50	50	17.94	17.90	17.84		
20	256QAM	100	0	17.81	17.93	17.86		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	17.88	18.05	17.90	19.1	0
15	QPSK	1	37	17.97	17.84	17.83		
15	QPSK	1	74	17.68	17.88	17.88		
15	QPSK	36	0	17.98	18.02	17.94	19.1	0
15	QPSK	36	20	17.98	17.80	17.64		
15	QPSK	36	39	17.74	17.78	17.92		
15	QPSK	75	0	17.87	17.92	17.80		
15	16QAM	1	0	17.72	17.86	17.82	19.1	0
15	16QAM	1	37	17.68	17.86	17.90		
15	16QAM	1	74	17.77	17.83	17.91		
15	16QAM	36	0	17.80	17.83	17.90	19.1	0
15	16QAM	36	20	17.78	17.75	17.80		
15	16QAM	36	39	17.95	17.83	17.83		
15	16QAM	75	0	17.74	17.80	17.60		
15	64QAM	1	0	17.95	17.91	17.70	19.1	0
15	64QAM	1	37	17.95	17.73	17.83		
15	64QAM	1	74	17.77	17.93	17.91		
15	64QAM	36	0	17.90	17.86	17.85	19.1	0
15	64QAM	36	20	17.64	17.75	17.86		
15	64QAM	36	39	17.67	17.72	17.86		
15	64QAM	75	0	17.76	17.67	17.70		
15	256QAM	1	0	18.01	17.80	17.96	19.1	0
15	256QAM	1	37	17.98	17.93	17.88		
15	256QAM	1	74	17.81	17.77	17.89		
15	256QAM	36	0	17.86	17.71	17.79	19.1	0
15	256QAM	36	20	17.96	17.80	17.63		
15	256QAM	36	39	17.85	17.88	17.66		
15	256QAM	75	0	17.78	17.93	17.73		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	17.99	17.95	17.80	19.1	0
10	QPSK	1	25	17.89	17.87	18.00		
10	QPSK	1	49	17.74	17.86	17.82		
10	QPSK	25	0	18.01	17.94	17.86	19.1	0
10	QPSK	25	12	17.82	17.83	17.78		
10	QPSK	25	25	17.70	17.83	17.96		
10	QPSK	50	0	17.76	17.76	17.77		
10	16QAM	1	0	17.78	17.80	17.66	19.1	0
10	16QAM	1	25	17.79	18.03	17.86		
10	16QAM	1	49	17.89	17.85	17.84		
10	16QAM	25	0	17.69	17.89	17.93	19.1	0
10	16QAM	25	12	17.83	17.84	17.69		
10	16QAM	25	25	17.96	17.85	17.87		
10	16QAM	50	0	17.73	17.78	17.59		
10	64QAM	1	0	18.01	17.87	17.78	19.1	0
10	64QAM	1	25	17.87	17.78	17.83		
10	64QAM	1	49	17.77	17.88	18.00		
10	64QAM	25	0	17.86	17.81	17.92	19.1	0
10	64QAM	25	12	17.71	17.80	17.86		
10	64QAM	25	25	17.79	17.87	17.87		
10	64QAM	50	0	17.89	17.68	17.76		
10	256QAM	1	0	17.97	17.83	17.95	19.1	0
10	256QAM	1	25	17.95	17.99	17.79		
10	256QAM	1	49	17.88	17.93	17.78		
10	256QAM	25	0	17.86	17.80	17.76	19.1	0
10	256QAM	25	12	17.96	17.74	17.58		
10	256QAM	25	25	17.93	17.74	17.67		
10	256QAM	50	0	17.73	17.75	17.76		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	17.87	17.97	17.96	19.1	0
5	QPSK	1	12	17.96	17.88	17.90		
5	QPSK	1	24	17.67	17.80	17.95		
5	QPSK	12	0	18.03	18.05	17.86	19.1	0
5	QPSK	12	7	17.97	17.78	17.73		
5	QPSK	12	13	17.75	17.92	17.90		
5	QPSK	25	0	17.84	17.78	17.89		
5	16QAM	1	0	17.85	17.91	17.67	19.1	0
5	16QAM	1	12	17.63	17.88	17.80		
5	16QAM	1	24	17.90	17.89	17.96		
5	16QAM	12	0	17.77	17.84	17.79	19.1	0
5	16QAM	12	7	17.73	17.76	17.82		
5	16QAM	12	13	17.98	17.86	17.81		
5	16QAM	25	0	17.72	17.68	17.62		
5	64QAM	1	0	17.91	17.97	17.83	19.1	0
5	64QAM	1	12	17.94	17.82	17.87		
5	64QAM	1	24	17.77	17.97	17.94		
5	64QAM	12	0	17.80	17.79	17.97	19.1	0
5	64QAM	12	7	17.65	17.73	17.82		
5	64QAM	12	13	17.82	17.86	17.97		
5	64QAM	25	0	17.81	17.70	17.83		
5	256QAM	1	0	18.00	17.80	17.86	19.1	0
5	256QAM	1	12	18.01	17.90	17.88		
5	256QAM	1	24	17.96	17.88	17.88		
5	256QAM	12	0	17.90	17.74	17.82	19.1	0
5	256QAM	12	7	17.90	17.70	17.74		
5	256QAM	12	13	17.92	17.79	17.69		
5	256QAM	25	0	17.70	17.81	17.81		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	17.88	18.00	17.95	19.1	0
3	QPSK	1	8	18.03	17.77	17.91		
3	QPSK	1	14	17.82	17.87	17.81		
3	QPSK	8	0	17.96	17.86	17.92	19.1	0
3	QPSK	8	4	17.92	17.90	17.83		
3	QPSK	8	7	17.74	17.93	17.92		
3	QPSK	15	0	17.76	17.91	17.74		
3	16QAM	1	0	17.79	17.79	17.65	19.1	0
3	16QAM	1	8	17.77	17.93	17.84		
3	16QAM	1	14	17.84	17.98	17.88		
3	16QAM	8	0	17.65	17.87	17.82	19.1	0
3	16QAM	8	4	17.70	17.88	17.74		
3	16QAM	8	7	17.92	17.91	17.93		
3	16QAM	15	0	17.84	17.83	17.72		
3	64QAM	1	0	18.05	17.98	17.79	19.1	0
3	64QAM	1	8	17.96	17.89	17.85		
3	64QAM	1	14	17.83	17.90	17.89		
3	64QAM	8	0	17.84	17.83	17.96	19.1	0
3	64QAM	8	4	17.69	17.76	17.87		
3	64QAM	8	7	17.77	17.87	17.98		
3	64QAM	15	0	17.77	17.84	17.77		
3	256QAM	1	0	17.98	17.81	17.86	19.1	0
3	256QAM	1	8	17.99	17.96	17.87		
3	256QAM	1	14	17.81	17.85	17.82		
3	256QAM	8	0	17.88	17.91	17.84	19.1	0
3	256QAM	8	4	17.90	17.74	17.62		
3	256QAM	8	7	17.77	17.78	17.64		
3	256QAM	15	0	17.80	17.92	17.69		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	18.03	18.01	17.92	19.1	0
1.4	QPSK	1	3	17.93	17.87	17.87		
1.4	QPSK	1	5	17.65	17.94	17.91		
1.4	QPSK	3	0	17.84	18.00	17.98		
1.4	QPSK	3	1	17.82	17.81	17.81		
1.4	QPSK	3	3	17.71	17.93	17.89		
1.4	QPSK	6	0	17.76	17.87	17.91	19.1	0
1.4	16QAM	1	0	17.76	17.81	17.63	19.1	0
1.4	16QAM	1	3	17.74	17.91	17.83		
1.4	16QAM	1	5	17.79	17.89	17.90		
1.4	16QAM	3	0	17.67	17.78	17.83		
1.4	16QAM	3	1	17.79	17.74	17.78		
1.4	16QAM	3	3	17.81	17.98	17.85		
1.4	16QAM	6	0	17.73	17.84	17.57	19.1	0
1.4	64QAM	1	0	17.93	18.00	17.68	19.1	0
1.4	64QAM	1	3	17.81	17.82	17.83		
1.4	64QAM	1	5	17.88	17.99	18.04		
1.4	64QAM	3	0	17.93	17.79	17.99		
1.4	64QAM	3	1	17.78	17.72	17.94		
1.4	64QAM	3	3	17.69	17.89	17.87		
1.4	64QAM	6	0	17.85	17.82	17.80	19.1	0
1.4	256QAM	1	0	17.98	17.99	17.90	19.1	0
1.4	256QAM	1	3	18.00	18.00	17.86		
1.4	256QAM	1	5	17.81	17.93	17.79		
1.4	256QAM	3	0	17.82	17.89	17.91		
1.4	256QAM	3	1	17.85	17.86	17.74		
1.4	256QAM	3	3	17.81	17.87	17.80		
1.4	256QAM	6	0	17.78	17.86	17.70	19.1	0

Band 4 Ant1 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	18.34	18.44	18.24	20	0
20	QPSK	1	49	18.16	18.21	18.03		
20	QPSK	1	99	18.34	18.27	18.38		
20	QPSK	50	0	18.05	18.36	18.13	20	0
20	QPSK	50	24	18.28	18.14	18.29		
20	QPSK	50	50	18.35	18.30	18.34		
20	QPSK	100	0	18.38	18.41	18.35		
20	16QAM	1	0	18.30	18.29	18.28	20	0
20	16QAM	1	49	18.09	18.10	18.17		
20	16QAM	1	99	18.42	18.33	18.26		
20	16QAM	50	0	18.17	18.13	18.41	20	0
20	16QAM	50	24	18.03	18.16	18.20		
20	16QAM	50	50	18.05	18.27	18.29		
20	16QAM	100	0	18.19	18.10	18.26		
20	64QAM	1	0	18.29	18.09	18.11	20	0
20	64QAM	1	49	18.16	18.20	18.19		
20	64QAM	1	99	18.24	18.16	18.20		
20	64QAM	50	0	18.13	18.30	18.05	20	0
20	64QAM	50	24	18.38	18.33	18.35		
20	64QAM	50	50	18.30	18.18	18.25		
20	64QAM	100	0	18.18	18.26	18.32		
20	256QAM	1	0	18.19	18.26	18.32	20	0
20	256QAM	1	49	18.19	18.15	18.27		
20	256QAM	1	99	18.06	18.11	18.18		
20	256QAM	50	0	18.19	18.01	18.14	20	0
20	256QAM	50	24	18.13	18.01	18.25		
20	256QAM	50	50	18.03	18.09	18.07		
20	256QAM	100	0	18.15	18.02	18.02		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	18.35	18.34	18.26	20	0
15	QPSK	1	37	18.21	18.07	18.06		
15	QPSK	1	74	18.25	18.30	18.37		
15	QPSK	36	0	18.12	18.36	18.03	20	0
15	QPSK	36	20	18.21	18.28	18.26		
15	QPSK	36	39	18.37	18.23	18.21		
15	QPSK	75	0	18.22	18.38	18.26		
15	16QAM	1	0	18.22	18.19	18.25	20	0
15	16QAM	1	37	18.29	18.08	18.02		
15	16QAM	1	74	18.30	18.19	18.38		
15	16QAM	36	0	18.20	18.30	18.33	20	0
15	16QAM	36	20	18.17	18.14	18.22		
15	16QAM	36	39	18.05	18.12	18.13		
15	16QAM	75	0	18.11	18.23	18.35		
15	64QAM	1	0	18.19	18.09	18.06	20	0
15	64QAM	1	37	18.19	18.26	18.18		
15	64QAM	1	74	18.17	18.24	18.20		
15	64QAM	36	0	18.24	18.31	18.07	20	0
15	64QAM	36	20	18.41	18.25	18.32		
15	64QAM	36	39	18.25	18.15	18.36		
15	64QAM	75	0	18.18	18.20	18.29		
15	256QAM	1	0	18.33	18.16	18.23	20	0
15	256QAM	1	37	18.26	18.08	18.20		
15	256QAM	1	74	18.07	18.10	18.07		
15	256QAM	36	0	18.17	18.10	18.11	20	0
15	256QAM	36	20	18.08	18.07	18.23		
15	256QAM	36	39	18.04	18.03	18.14		
15	256QAM	75	0	18.05	18.10	18.23		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	18.37	18.42	18.19	20	0
10	QPSK	1	25	18.09	18.14	18.07		
10	QPSK	1	49	18.32	18.24	18.28		
10	QPSK	25	0	18.09	18.37	18.13	20	0
10	QPSK	25	12	18.23	18.15	18.19		
10	QPSK	25	25	18.31	18.16	18.23		
10	QPSK	50	0	18.30	18.43	18.20		
10	16QAM	1	0	18.29	18.35	18.23	20	0
10	16QAM	1	25	18.23	18.12	18.05		
10	16QAM	1	49	18.38	18.31	18.26		
10	16QAM	25	0	18.14	18.21	18.37	20	0
10	16QAM	25	12	18.09	18.12	18.20		
10	16QAM	25	25	18.08	18.29	18.31		
10	16QAM	50	0	18.11	18.10	18.25		
10	64QAM	1	0	18.14	18.16	18.06	20	0
10	64QAM	1	25	18.28	18.11	18.07		
10	64QAM	1	49	18.06	18.07	18.08		
10	64QAM	25	0	18.27	18.13	18.20	20	0
10	64QAM	25	12	18.41	18.20	18.40		
10	64QAM	25	25	18.34	18.22	18.28		
10	64QAM	50	0	18.29	18.25	18.33		
10	256QAM	1	0	18.22	18.28	18.20	20	0
10	256QAM	1	25	18.30	18.21	18.17		
10	256QAM	1	49	18.08	18.22	18.14		
10	256QAM	25	0	18.12	18.07	18.16	20	0
10	256QAM	25	12	18.01	18.06	18.20		
10	256QAM	25	25	18.08	18.11	18.07		
10	256QAM	50	0	18.20	18.20	18.04		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	18.20	18.25	18.35	20	0
5	QPSK	1	12	18.15	18.03	18.20		
5	QPSK	1	24	18.32	18.28	18.32		
5	QPSK	12	0	18.06	18.27	18.08	20	0
5	QPSK	12	7	18.23	18.23	18.24		
5	QPSK	12	13	18.29	18.26	18.22		
5	QPSK	25	0	18.25	18.30	18.25		
5	16QAM	1	0	18.25	18.25	18.30	20	0
5	16QAM	1	12	18.02	18.11	18.11		
5	16QAM	1	24	18.32	18.27	18.20		
5	16QAM	12	0	18.23	18.32	18.24	20	0
5	16QAM	12	7	18.01	18.09	18.22		
5	16QAM	12	13	18.13	18.23	18.31		
5	16QAM	25	0	18.21	18.16	18.18		
5	64QAM	1	0	18.15	18.11	18.10	20	0
5	64QAM	1	12	18.35	18.30	18.08		
5	64QAM	1	24	18.06	18.12	18.09		
5	64QAM	12	0	18.29	18.18	18.20	20	0
5	64QAM	12	7	18.37	18.34	18.35		
5	64QAM	12	13	18.29	18.22	18.25		
5	64QAM	25	0	18.17	18.20	18.39		
5	256QAM	1	0	18.25	18.31	18.29	20	0
5	256QAM	1	12	18.24	18.21	18.31		
5	256QAM	1	24	18.11	18.12	18.11		
5	256QAM	12	0	18.05	18.31	18.11	20	0
5	256QAM	12	7	18.31	18.04	18.20		
5	256QAM	12	13	18.11	18.14	18.04		
5	256QAM	25	0	18.14	18.05	18.08		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	18.22	18.43	18.23	20	0
3	QPSK	1	8	18.19	18.13	18.06		
3	QPSK	1	14	18.21	18.26	18.33		
3	QPSK	8	0	18.05	18.28	18.02	20	0
3	QPSK	8	4	18.18	18.20	18.13		
3	QPSK	8	7	18.31	18.21	18.22		
3	QPSK	15	0	18.19	18.33	18.28		
3	16QAM	1	0	18.15	18.33	18.25	20	0
3	16QAM	1	8	18.33	18.09	18.03		
3	16QAM	1	14	18.32	18.33	18.21		
3	16QAM	8	0	18.20	18.21	18.41	20	0
3	16QAM	8	4	18.04	18.26	18.24		
3	16QAM	8	7	18.13	18.23	18.18		
3	16QAM	15	0	18.28	18.18	18.16		
3	64QAM	1	0	18.26	18.21	18.17	20	0
3	64QAM	1	8	18.17	18.25	18.03		
3	64QAM	1	14	18.11	18.16	18.14		
3	64QAM	8	0	18.30	18.30	18.15	20	0
3	64QAM	8	4	18.41	18.35	18.10		
3	64QAM	8	7	18.26	18.31	18.40		
3	64QAM	15	0	18.15	18.23	18.23		
3	256QAM	1	0	18.24	18.21	18.29	20	0
3	256QAM	1	8	18.28	18.11	18.17		
3	256QAM	1	14	18.16	18.12	18.21		
3	256QAM	8	0	18.07	18.11	18.15	20	0
3	256QAM	8	4	18.00	18.16	18.16		
3	256QAM	8	7	18.12	18.04	18.14		
3	256QAM	15	0	18.11	18.16	18.00		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	18.35	18.32	18.32	20	0
1.4	QPSK	1	3	18.10	18.11	18.07		
1.4	QPSK	1	5	18.33	18.19	18.23		
1.4	QPSK	3	0	18.20	18.25	18.09		
1.4	QPSK	3	1	18.32	18.20	18.12		
1.4	QPSK	3	3	18.34	18.23	18.35		
1.4	QPSK	6	0	18.27	18.33	18.29	20	0
1.4	16QAM	1	0	18.21	18.24	18.32	20	0
1.4	16QAM	1	3	18.04	18.03	18.08		
1.4	16QAM	1	5	18.26	18.29	18.22		
1.4	16QAM	3	0	18.25	18.18	18.32		
1.4	16QAM	3	1	18.15	18.08	18.17		
1.4	16QAM	3	3	18.11	18.23	18.20		
1.4	16QAM	6	0	18.23	18.17	18.26	20	0
1.4	64QAM	1	0	18.17	18.10	18.02	20	0
1.4	64QAM	1	3	18.27	18.13	18.09		
1.4	64QAM	1	5	18.22	18.06	18.27		
1.4	64QAM	3	0	18.30	18.13	18.13		
1.4	64QAM	3	1	18.33	18.28	18.27		
1.4	64QAM	3	3	18.31	18.30	18.31		
1.4	64QAM	6	0	18.27	18.12	18.39	20	0
1.4	256QAM	1	0	18.27	18.34	18.32	20	0
1.4	256QAM	1	3	18.25	18.21	18.21		
1.4	256QAM	1	5	18.26	18.11	18.10		
1.4	256QAM	3	0	18.17	18.05	18.11		
1.4	256QAM	3	1	18.00	18.02	18.26		
1.4	256QAM	3	3	18.29	18.29	18.26		
1.4	256QAM	6	0	18.09	18.06	18.26	20	0

Band 5 Ant1 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	22.48	22.66	22.55	24	0
10	QPSK	1	25	22.35	22.37	22.49		
10	QPSK	1	49	22.25	22.36	22.43		
10	QPSK	25	0	22.41	22.58	22.54	24	0
10	QPSK	25	12	22.48	22.53	22.51		
10	QPSK	25	25	22.40	22.48	22.48		
10	QPSK	50	0	22.43	22.53	22.50		
10	16QAM	1	0	22.29	22.29	22.24	24	0
10	16QAM	1	25	22.22	22.16	22.26		
10	16QAM	1	49	22.24	22.12	22.27		
10	16QAM	25	0	22.08	21.95	22.15	23	1
10	16QAM	25	12	22.03	21.92	22.19		
10	16QAM	25	25	22.07	22.07	22.23		
10	16QAM	50	0	21.66	21.48	21.66		
10	64QAM	1	0	22.56	22.47	22.61	24	0
10	64QAM	1	25	22.49	22.55	22.52		
10	64QAM	1	49	22.37	22.64	22.59		
10	64QAM	25	0	21.91	21.87	22.03	23	1
10	64QAM	25	12	21.98	22.01	22.03		
10	64QAM	25	25	21.88	21.81	22.01		
10	64QAM	50	0	21.94	21.89	22.02		
10	256QAM	1	0	18.77	18.87	18.79	20	4
10	256QAM	1	25	18.61	18.68	18.69		
10	256QAM	1	49	18.61	18.81	18.80		
10	256QAM	25	0	18.67	18.72	18.69	20	4
10	256QAM	25	12	18.61	18.70	18.65		
10	256QAM	25	25	18.62	18.50	18.67		
10	256QAM	50	0	18.59	18.65	18.71		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	22.45	22.37	22.28	24	0
5	QPSK	1	12	22.39	22.41	22.31		
5	QPSK	1	24	22.38	22.29	22.54		
5	QPSK	12	0	22.26	22.32	22.47	24	0
5	QPSK	12	7	22.48	22.45	22.53		
5	QPSK	12	13	22.41	22.45	22.52		
5	QPSK	25	0	22.41	22.43	22.44		
5	16QAM	1	0	22.26	22.33	22.28	24	0
5	16QAM	1	12	22.32	22.17	22.38		
5	16QAM	1	24	22.11	22.15	22.31		
5	16QAM	12	0	22.09	21.92	22.09	23	1
5	16QAM	12	7	22.01	22.03	22.08		
5	16QAM	12	13	22.02	22.07	22.20		
5	16QAM	25	0	21.57	21.42	21.59		
5	64QAM	1	0	22.56	22.53	22.17	24	0
5	64QAM	1	12	22.59	22.57	22.41		
5	64QAM	1	24	22.53	22.30	22.50		
5	64QAM	12	0	22.45	22.38	22.26	23	1
5	64QAM	12	7	22.60	22.49	22.54		
5	64QAM	12	13	22.47	22.54	22.10		
5	64QAM	25	0	21.95	21.97	21.67		
5	256QAM	1	0	18.69	18.80	18.69	20	4
5	256QAM	1	12	18.62	18.63	18.63		
5	256QAM	1	24	18.57	18.78	18.76		
5	256QAM	12	0	18.61	18.68	18.60	20	4
5	256QAM	12	7	18.53	18.60	18.61		
5	256QAM	12	13	18.56	18.39	18.61		
5	256QAM	25	0	18.58	18.63	18.72		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	22.40	22.30	22.43	24	0
3	QPSK	1	8	22.43	22.37	22.48		
3	QPSK	1	14	22.35	22.36	22.46		
3	QPSK	8	0	22.47	22.34	22.45	24	0
3	QPSK	8	4	22.47	22.44	22.53		
3	QPSK	8	7	22.45	22.42	22.52		
3	QPSK	15	0	22.45	22.40	22.43		
3	16QAM	1	0	22.40	22.27	22.18	24	0
3	16QAM	1	8	22.29	22.31	22.33		
3	16QAM	1	14	22.11	22.21	22.38		
3	16QAM	8	0	22.09	22.02	22.09	23	1
3	16QAM	8	4	22.05	21.96	22.11		
3	16QAM	8	7	22.13	22.09	22.26		
3	16QAM	15	0	21.65	21.53	21.66		
3	64QAM	1	0	22.53	22.45	22.56	24	0
3	64QAM	1	8	22.56	22.50	22.63		
3	64QAM	1	14	22.51	22.47	22.60		
3	64QAM	8	0	21.96	21.87	21.96	23	1
3	64QAM	8	4	21.94	21.92	22.06		
3	64QAM	8	7	21.96	21.94	22.03		
3	64QAM	15	0	21.93	21.93	21.95		
3	256QAM	1	0	18.73	18.79	18.69	20	4
3	256QAM	1	8	18.53	18.60	18.67		
3	256QAM	1	14	18.56	18.70	18.74		
3	256QAM	8	0	18.60	18.68	18.68	20	4
3	256QAM	8	4	18.61	18.65	18.65		
3	256QAM	8	7	18.52	18.44	18.64		
3	256QAM	15	0	18.60	18.62	18.60		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	22.40	22.31	22.47	24	0
1.4	QPSK	1	3	22.42	22.38	22.51		
1.4	QPSK	1	5	22.36	22.33	22.47		
1.4	QPSK	3	0	22.41	22.35	22.49		
1.4	QPSK	3	1	22.44	22.38	22.49		
1.4	QPSK	3	3	22.39	22.39	22.49		
1.4	QPSK	6	0	22.44	22.35	22.50	24	0
1.4	16QAM	1	0	22.35	22.32	22.32	24	0
1.4	16QAM	1	3	22.24	22.30	22.30		
1.4	16QAM	1	5	22.14	22.22	22.26		
1.4	16QAM	3	0	22.16	22.23	22.06		
1.4	16QAM	3	1	22.09	22.31	22.20		
1.4	16QAM	3	3	22.11	22.28	22.20		
1.4	16QAM	6	0	21.47	21.38	21.66	23	1
1.4	64QAM	1	0	22.61	22.44	22.58	24	0
1.4	64QAM	1	3	22.48	22.51	22.64		
1.4	64QAM	1	5	22.50	22.53	22.65		
1.4	64QAM	3	0	22.51	22.40	22.36		
1.4	64QAM	3	1	22.51	22.45	22.43		
1.4	64QAM	3	3	22.48	22.48	22.49		
1.4	64QAM	6	0	21.96	21.87	22.01	23	1
1.4	256QAM	1	0	18.68	18.84	18.68	20	4
1.4	256QAM	1	3	18.52	18.67	18.64		
1.4	256QAM	1	5	18.57	18.79	18.70		
1.4	256QAM	3	0	18.62	18.69	18.61		
1.4	256QAM	3	1	18.50	18.63	18.57		
1.4	256QAM	3	3	18.57	18.48	18.60		
1.4	256QAM	6	0	18.48	18.54	18.60	20	4

Band 7 Ant1 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	18.34	18.50	18.29	20.1	0
20	QPSK	1	49	18.29	18.33	18.37		
20	QPSK	1	99	18.28	18.39	18.45		
20	QPSK	50	0	18.22	18.44	18.42	20.1	0
20	QPSK	50	24	18.34	18.27	18.41		
20	QPSK	50	50	18.26	18.40	18.20		
20	QPSK	100	0	18.16	18.39	18.26		
20	16QAM	1	0	18.34	18.29	18.34	20.1	0
20	16QAM	1	49	18.21	18.32	18.15		
20	16QAM	1	99	18.31	18.29	18.28		
20	16QAM	50	0	18.29	18.37	18.25	20.1	0
20	16QAM	50	24	18.17	18.36	18.25		
20	16QAM	50	50	18.22	18.30	18.36		
20	16QAM	100	0	18.21	18.28	18.36		
20	64QAM	1	0	18.30	18.33	18.34	20.1	0
20	64QAM	1	49	18.35	18.23	18.37		
20	64QAM	1	99	18.15	18.28	18.32		
20	64QAM	50	0	18.29	18.27	18.35	20.1	0
20	64QAM	50	24	18.18	18.27	18.37		
20	64QAM	50	50	18.25	18.27	18.22		
20	64QAM	100	0	18.22	18.22	18.22		
20	256QAM	1	0	18.27	18.29	18.27	20	0.1
20	256QAM	1	49	18.17	18.28	18.34		
20	256QAM	1	99	18.21	18.34	18.34		
20	256QAM	50	0	18.16	18.32	18.24	20	0.1
20	256QAM	50	24	18.26	18.20	18.38		
20	256QAM	50	50	18.28	18.32	18.16		
20	256QAM	100	0	18.23	18.36	18.27		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	18.46	18.49	18.34	20.1	0
15	QPSK	1	37	18.27	18.44	18.44		
15	QPSK	1	74	18.43	18.29	18.44		
15	QPSK	36	0	18.30	18.36	18.44	20.1	0
15	QPSK	36	20	18.33	18.49	18.49		
15	QPSK	36	39	18.46	18.44	18.28		
15	QPSK	75	0	18.18	18.38	18.49		
15	16QAM	1	0	18.43	18.39	18.46	20.1	0
15	16QAM	1	37	18.35	18.39	18.16		
15	16QAM	1	74	18.46	18.42	18.48		
15	16QAM	36	0	18.29	18.49	18.43	20.1	0
15	16QAM	36	20	18.19	18.46	18.40		
15	16QAM	36	39	18.27	18.47	18.35		
15	16QAM	75	0	18.28	18.31	18.36		
15	64QAM	1	0	18.44	18.44	18.36	20.1	0
15	64QAM	1	37	18.31	18.26	18.42		
15	64QAM	1	74	18.23	18.49	18.33		
15	64QAM	36	0	18.47	18.37	18.42	20.1	0
15	64QAM	36	20	18.28	18.34	18.35		
15	64QAM	36	39	18.37	18.41	18.42		
15	64QAM	75	0	18.15	18.31	18.38		
15	256QAM	1	0	18.43	18.42	18.25	20	0.1
15	256QAM	1	37	18.28	18.49	18.31		
15	256QAM	1	74	18.40	18.44	18.44		
15	256QAM	36	0	18.29	18.41	18.39	20	0.1
15	256QAM	36	20	18.42	18.24	18.49		
15	256QAM	36	39	18.31	18.49	18.27		
15	256QAM	75	0	18.34	18.44	18.24		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	18.42	18.44	18.41	20.1	0
10	QPSK	1	25	18.35	18.45	18.44		
10	QPSK	1	49	18.36	18.44	18.35		
10	QPSK	25	0	18.40	18.44	18.49	20.1	0
10	QPSK	25	12	18.34	18.33	18.41		
10	QPSK	25	25	18.43	18.43	18.28		
10	QPSK	50	0	18.24	18.44	18.32		
10	16QAM	1	0	18.43	18.30	18.44	20.1	0
10	16QAM	1	25	18.40	18.45	18.14		
10	16QAM	1	49	18.45	18.31	18.48		
10	16QAM	25	0	18.27	18.45	18.31	20.1	0
10	16QAM	25	12	18.31	18.43	18.31		
10	16QAM	25	25	18.25	18.47	18.45		
10	16QAM	50	0	18.21	18.25	18.41		
10	64QAM	1	0	18.41	18.44	18.34	20.1	0
10	64QAM	1	25	18.37	18.33	18.47		
10	64QAM	1	49	18.22	18.44	18.46		
10	64QAM	25	0	18.47	18.43	18.33	20.1	0
10	64QAM	25	12	18.25	18.33	18.41		
10	64QAM	25	25	18.33	18.36	18.31		
10	64QAM	50	0	18.24	18.39	18.21		
10	256QAM	1	0	18.40	18.34	18.37	20	0.1
10	256QAM	1	25	18.20	18.44	18.46		
10	256QAM	1	49	18.38	18.49	18.40		
10	256QAM	25	0	18.31	18.35	18.30	20	0.1
10	256QAM	25	12	18.28	18.36	18.47		
10	256QAM	25	25	18.34	18.41	18.22		
10	256QAM	50	0	18.38	18.40	18.38		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	18.36	18.37	18.42	20.1	0
5	QPSK	1	12	18.34	18.44	18.38		
5	QPSK	1	24	18.31	18.38	18.48		
5	QPSK	12	0	18.26	18.46	18.32	20.1	0
5	QPSK	12	7	18.36	18.33	18.44		
5	QPSK	12	13	18.41	18.34	18.30		
5	QPSK	25	0	18.25	18.39	18.32		
5	16QAM	1	0	18.36	18.39	18.44	20.1	0
5	16QAM	1	12	18.27	18.42	18.12		
5	16QAM	1	24	18.45	18.34	18.29		
5	16QAM	12	0	18.37	18.44	18.35	20.1	0
5	16QAM	12	7	18.27	18.49	18.25		
5	16QAM	12	13	18.44	18.34	18.44		
5	16QAM	25	0	18.24	18.26	18.34		
5	64QAM	1	0	18.42	18.42	18.48	20.1	0
5	64QAM	1	12	18.38	18.25	18.43		
5	64QAM	1	24	18.32	18.43	18.48		
5	64QAM	12	0	18.40	18.36	18.37	20.1	0
5	64QAM	12	7	18.26	18.30	18.47		
5	64QAM	12	13	18.32	18.32	18.30		
5	64QAM	25	0	18.28	18.27	18.29		
5	256QAM	1	0	18.38	18.40	18.42	20	0.1
5	256QAM	1	12	18.22	18.46	18.38		
5	256QAM	1	24	18.35	18.44	18.37		
5	256QAM	12	0	18.17	18.41	18.43	20	0.1
5	256QAM	12	7	18.37	18.21	18.42		
5	256QAM	12	13	18.32	18.37	18.30		
5	256QAM	25	0	18.29	18.44	18.27		

Band 12 Ant1 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	24.29	24.38	24.34	25	0
10	QPSK	1	25	24.21	24.26	24.22		
10	QPSK	1	49	24.23	24.30	24.10		
10	QPSK	25	0	23.31	23.41	23.34	24	1
10	QPSK	25	12	23.37	23.31	23.33		
10	QPSK	25	25	23.40	23.37	23.28		
10	QPSK	50	0	23.35	23.37	23.36		
10	16QAM	1	0	23.39	23.47	23.53	24	1
10	16QAM	1	25	23.41	23.39	23.37		
10	16QAM	1	49	23.45	23.21	23.29		
10	16QAM	25	0	22.26	22.34	22.27	23	2
10	16QAM	25	12	22.37	22.31	22.28		
10	16QAM	25	25	22.23	22.41	22.35		
10	16QAM	50	0	22.40	22.32	22.41		
10	64QAM	1	0	22.33	22.43	22.36	23	2
10	64QAM	1	25	22.44	22.35	22.53		
10	64QAM	1	49	22.46	22.25	22.35		
10	64QAM	25	0	21.33	21.27	21.35	23	2
10	64QAM	25	12	21.40	21.31	21.26		
10	64QAM	25	25	21.38	21.36	21.31		
10	64QAM	50	0	21.35	21.31	21.33		
10	256QAM	1	0	19.33	19.28	19.35	20	5
10	256QAM	1	25	19.49	19.50	19.33		
10	256QAM	1	49	19.56	19.48	19.38		
10	256QAM	25	0	19.27	19.32	19.36	20	5
10	256QAM	25	12	19.39	19.26	19.27		
10	256QAM	25	25	19.35	19.33	19.33		
10	256QAM	50	0	19.33	19.29	19.37		
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	24.28	24.30	24.19	25	0
5	QPSK	1	12	24.29	24.28	24.35		
5	QPSK	1	24	24.08	24.18	24.23		
5	QPSK	12	0	23.38	23.30	23.34	24	1
5	QPSK	12	7	23.36	23.36	23.47		
5	QPSK	12	13	23.21	23.27	23.18		
5	QPSK	25	0	23.31	23.25	23.29		
5	16QAM	1	0	23.49	23.39	23.35	24	1
5	16QAM	1	12	23.49	23.47	23.56		
5	16QAM	1	24	23.47	23.41	23.34		
5	16QAM	12	0	22.34	22.34	22.40	23	2
5	16QAM	12	7	22.35	22.39	22.36		
5	16QAM	12	13	22.21	22.31	22.40		
5	16QAM	25	0	22.17	22.29	22.18		
5	64QAM	1	0	22.34	22.38	22.31	23	2
5	64QAM	1	12	22.38	22.47	22.45		
5	64QAM	1	24	22.36	22.29	22.32		
5	64QAM	12	0	21.29	21.30	21.38	23	2
5	64QAM	12	7	21.26	21.33	21.38		
5	64QAM	12	13	21.47	21.36	21.43		
5	64QAM	25	0	21.15	21.23	21.16		
5	256QAM	1	0	19.44	19.36	19.35	20	5
5	256QAM	1	12	19.47	19.48	19.46		
5	256QAM	1	24	19.41	19.32	19.23		
5	256QAM	12	0	19.39	19.29	19.41	20	5
5	256QAM	12	7	19.41	19.41	19.43		
5	256QAM	12	13	19.45	19.33	19.33		
5	256QAM	25	0	19.32	19.25	19.17		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	24.35	24.29	24.26	25	0
3	QPSK	1	8	24.30	24.28	24.32		
3	QPSK	1	14	24.04	24.12	24.19		
3	QPSK	8	0	23.37	23.28	23.26	24	1
3	QPSK	8	4	23.35	23.35	23.33		
3	QPSK	8	7	23.31	23.37	23.47		
3	QPSK	15	0	23.41	23.32	23.37		
3	16QAM	1	0	23.19	23.27	23.30	24	1
3	16QAM	1	8	23.45	23.51	23.20		
3	16QAM	1	14	23.38	23.29	23.24		
3	16QAM	8	0	22.37	22.29	22.17	23	2
3	16QAM	8	4	22.46	22.41	22.51		
3	16QAM	8	7	22.37	22.39	22.50		
3	16QAM	15	0	22.44	22.34	22.44		
3	64QAM	1	0	22.34	22.35	22.42	23	2
3	64QAM	1	8	22.71	22.59	22.69		
3	64QAM	1	14	22.35	22.44	22.46		
3	64QAM	8	0	21.45	21.41	21.29	23	2
3	64QAM	8	4	21.49	21.52	21.53		
3	64QAM	8	7	21.24	21.32	21.25		
3	64QAM	15	0	21.19	21.30	21.32		
3	256QAM	1	0	19.40	19.35	19.45	20	5
3	256QAM	1	8	19.38	19.46	19.55		
3	256QAM	1	14	19.38	19.33	19.31		
3	256QAM	8	0	19.30	19.34	19.26	20	5
3	256QAM	8	4	19.41	19.42	19.54		
3	256QAM	8	7	19.39	19.38	19.37		
3	256QAM	15	0	19.45	19.33	19.39		
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	24.19	24.19	24.34	25	0
1.4	QPSK	1	3	24.20	24.24	24.08		
1.4	QPSK	1	5	24.02	24.15	23.90		
1.4	QPSK	3	0	24.12	24.16	24.09		
1.4	QPSK	3	1	24.15	24.27	24.13		
1.4	QPSK	3	3	23.88	24.01	24.03		
1.4	QPSK	6	0	23.18	23.13	23.29	24	1
1.4	16QAM	1	0	23.22	23.15	23.35	24	1
1.4	16QAM	1	3	23.05	23.20	23.17		
1.4	16QAM	1	5	23.24	23.05	23.25		
1.4	16QAM	3	0	23.44	23.34	23.14		
1.4	16QAM	3	1	23.29	23.31	23.51		
1.4	16QAM	3	3	23.28	23.36	23.29		
1.4	16QAM	6	0	22.32	22.15	22.41	23	2
1.4	64QAM	1	0	22.35	22.23	22.28	23	2
1.4	64QAM	1	3	22.31	22.20	22.25		
1.4	64QAM	1	5	22.06	22.25	22.18		
1.4	64QAM	3	0	22.19	22.24	22.29		
1.4	64QAM	3	1	22.38	22.48	22.45		
1.4	64QAM	3	3	22.33	22.15	22.26		
1.4	64QAM	6	0	21.30	21.16	21.26	23	2
1.4	256QAM	1	0	19.37	19.16	19.15	20	5
1.4	256QAM	1	3	19.25	19.26	19.24		
1.4	256QAM	1	5	19.41	19.31	19.02		
1.4	256QAM	3	0	19.20	19.26	19.24		
1.4	256QAM	3	1	19.37	19.26	19.39		
1.4	256QAM	3	3	19.37	19.27	19.14		
1.4	256QAM	6	0	19.22	19.10	19.05	20	5

Band 13 Ant1 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					23230			
Frequency (MHz)					782			
10	QPSK	1	0		24.33		25	0
10	QPSK	1	25		24.24			
10	QPSK	1	49		24.31			
10	QPSK	25	0		23.41		24	1
10	QPSK	25	12		23.36			
10	QPSK	25	25		23.37			
10	QPSK	50	0		23.27			
10	16QAM	1	0		23.21		24	1
10	16QAM	1	25		23.67			
10	16QAM	1	49		23.34			
10	16QAM	25	0		22.31		23	2
10	16QAM	25	12		22.34			
10	16QAM	25	25		22.32			
10	16QAM	50	0		22.25			
10	64QAM	1	0		22.49		23	2
10	64QAM	1	25		22.54			
10	64QAM	1	49		22.31			
10	64QAM	25	0		21.39		23	2
10	64QAM	25	12		21.34			
10	64QAM	25	25		21.32			
10	64QAM	50	0		21.27			
10	256QAM	1	0		19.42		20	5
10	256QAM	1	25		19.44			
10	256QAM	1	49		19.52			
10	256QAM	25	0		19.40		20	5
10	256QAM	25	12		19.30			
10	256QAM	25	25		19.34			
10	256QAM	50	0		19.31			
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	0	24.12	24.20	24.14	25	0
5	QPSK	1	12	24.11	24.13	24.11		
5	QPSK	1	24	24.18	24.27	24.29		
5	QPSK	12	0	23.36	23.26	23.30	24	1
5	QPSK	12	7	23.34	23.32	23.15		
5	QPSK	12	13	23.20	23.31	23.26		
5	QPSK	25	0	23.10	23.18	23.13		
5	16QAM	1	0	23.22	23.14	23.18	24	1
5	16QAM	1	12	23.56	23.52	23.64		
5	16QAM	1	24	23.22	23.19	23.30		
5	16QAM	12	0	22.19	22.26	22.09	23	2
5	16QAM	12	7	22.13	22.27	22.12		
5	16QAM	12	13	22.17	22.18	22.20		
5	16QAM	25	0	22.07	22.21	22.16		
5	64QAM	1	0	22.32	22.29	22.32	23	2
5	64QAM	1	12	22.45	22.38	22.38		
5	64QAM	1	24	22.16	22.17	22.19		
5	64QAM	12	0	21.21	21.18	21.19	23	2
5	64QAM	12	7	21.19	21.29	21.28		
5	64QAM	12	13	21.14	21.26	21.20		
5	64QAM	25	0	21.06	21.07	21.12		
5	256QAM	1	0	19.36	19.26	19.35	20	5
5	256QAM	1	12	19.28	19.25	19.41		
5	256QAM	1	24	19.36	19.32	19.47		
5	256QAM	12	0	19.28	19.24	19.30	20	5
5	256QAM	12	7	19.13	19.26	19.09		
5	256QAM	12	13	19.24	19.31	19.28		
5	256QAM	25	0	19.29	19.15	19.28		

Band 66 Ant1 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	18.53	18.55	18.37	20	0
20	QPSK	1	49	18.28	18.24	18.17		
20	QPSK	1	99	18.39	18.40	18.42		
20	QPSK	50	0	18.22	18.42	18.23	20	0
20	QPSK	50	24	18.38	18.35	18.32		
20	QPSK	50	50	18.38	18.33	18.39		
20	QPSK	100	0	18.39	18.44	18.36		
20	16QAM	1	0	18.36	18.38	18.37	20	0
20	16QAM	1	49	18.10	18.20	18.20		
20	16QAM	1	99	18.43	18.35	18.41		
20	16QAM	50	0	18.33	18.33	18.43	20	0
20	16QAM	50	24	18.19	18.27	18.34		
20	16QAM	50	50	18.25	18.32	18.34		
20	16QAM	100	0	18.31	18.26	18.37		
20	64QAM	1	0	18.33	18.26	18.20	20	0
20	64QAM	1	49	18.37	18.31	18.20		
20	64QAM	1	99	18.26	18.25	18.29		
20	64QAM	50	0	18.34	18.33	18.24	20	0
20	64QAM	50	24	18.47	18.39	18.46		
20	64QAM	50	50	18.36	18.34	18.42		
20	64QAM	100	0	18.36	18.31	18.42		
20	256QAM	1	0	18.38	18.37	18.40	20	0
20	256QAM	1	49	18.33	18.29	18.36		
20	256QAM	1	99	18.13	18.25	18.25		
20	256QAM	50	0	18.20	18.16	18.19	20	0
20	256QAM	50	24	18.16	18.12	18.08		
20	256QAM	50	50	18.14	18.23	18.16		
20	256QAM	100	0	18.24	18.18	18.09		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	18.36	18.43	18.18	20	0
15	QPSK	1	37	18.20	18.12	18.37		
15	QPSK	1	74	18.18	18.41	18.44		
15	QPSK	36	0	18.26	18.37	18.02	20	0
15	QPSK	36	20	18.19	18.41	18.02		
15	QPSK	36	39	18.04	18.07	18.01		
15	QPSK	75	0	18.19	18.41	18.19		
15	16QAM	1	0	18.15	18.17	18.34	20	0
15	16QAM	1	37	18.26	18.11	18.21		
15	16QAM	1	74	18.40	18.14	18.41		
15	16QAM	36	0	18.18	18.16	18.34	20	0
15	16QAM	36	20	18.08	18.14	18.26		
15	16QAM	36	39	18.24	18.24	18.28		
15	16QAM	75	0	18.22	18.11	18.27		
15	64QAM	1	0	18.34	18.08	18.19	20	0
15	64QAM	1	37	18.20	18.27	18.21		
15	64QAM	1	74	18.15	18.19	18.08		
15	64QAM	36	0	18.30	18.19	18.06	20	0
15	64QAM	36	20	18.32	18.31	18.27		
15	64QAM	36	39	18.33	18.27	18.27		
15	64QAM	75	0	18.29	18.16	18.41		
15	256QAM	1	0	18.30	18.22	18.37	20	0
15	256QAM	1	37	18.34	18.08	18.31		
15	256QAM	1	74	18.25	18.17	18.11		
15	256QAM	36	0	18.00	18.00	18.12	20	0
15	256QAM	36	20	18.10	18.14	18.08		
15	256QAM	36	39	18.05	18.24	18.00		
15	256QAM	75	0	18.19	18.02	18.00		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	18.47	18.27	18.25	20	0
10	QPSK	1	25	18.11	18.11	18.05		
10	QPSK	1	49	18.20	18.36	18.26		
10	QPSK	25	0	18.23	18.02	18.23	20	0
10	QPSK	25	12	18.23	18.08	18.12		
10	QPSK	25	25	18.06	18.02	18.12		
10	QPSK	50	0	18.23	18.23	18.23		
10	16QAM	1	0	18.35	18.25	18.26	20	0
10	16QAM	1	25	18.10	18.16	18.13		
10	16QAM	1	49	18.25	18.21	18.23		
10	16QAM	25	0	18.21	18.26	18.37	20	0
10	16QAM	25	12	18.05	18.12	18.13		
10	16QAM	25	25	18.11	18.27	18.23		
10	16QAM	50	0	18.16	18.05	18.28		
10	64QAM	1	0	18.16	18.24	18.00	20	0
10	64QAM	1	25	18.15	18.22	18.23		
10	64QAM	1	49	18.05	18.22	18.08		
10	64QAM	25	0	18.14	18.30	18.25	20	0
10	64QAM	25	12	18.39	18.24	18.29		
10	64QAM	25	25	18.22	18.12	18.37		
10	64QAM	50	0	18.26	18.28	18.36		
10	256QAM	1	0	18.19	18.19	18.18	20	0
10	256QAM	1	25	18.32	18.26	18.23		
10	256QAM	1	49	18.13	18.17	18.22		
10	256QAM	25	0	18.07	18.01	18.08	20	0
10	256QAM	25	12	18.07	18.03	18.07		
10	256QAM	25	25	18.07	18.04	18.15		
10	256QAM	50	0	18.03	18.09	18.04		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	18.48	18.48	18.37	20	0
5	QPSK	1	12	18.21	18.25	18.02		
5	QPSK	1	24	18.19	18.40	18.44		
5	QPSK	12	0	18.25	18.13	18.15	20	0
5	QPSK	12	7	18.29	18.27	18.27		
5	QPSK	12	13	18.20	18.25	18.13		
5	QPSK	25	0	18.15	18.18	18.27		
5	16QAM	1	0	18.27	18.19	18.34	20	0
5	16QAM	1	12	18.15	18.15	18.09		
5	16QAM	1	24	18.27	18.20	18.41		
5	16QAM	12	0	18.21	18.31	18.44	20	0
5	16QAM	12	7	18.15	18.19	18.14		
5	16QAM	12	13	18.06	18.33	18.30		
5	16QAM	25	0	18.12	18.10	18.38		
5	64QAM	1	0	18.18	18.10	18.19	20	0
5	64QAM	1	12	18.23	18.29	18.01		
5	64QAM	1	24	18.11	18.04	18.09		
5	64QAM	12	0	18.15	18.35	18.18	20	0
5	64QAM	12	7	18.42	18.38	18.44		
5	64QAM	12	13	18.25	18.13	18.21		
5	64QAM	25	0	18.29	18.27	18.23		
5	256QAM	1	0	18.28	18.16	18.31	20	0
5	256QAM	1	12	18.24	18.15	18.18		
5	256QAM	1	24	18.13	18.27	18.19		
5	256QAM	12	0	18.19	18.05	18.13	20	0
5	256QAM	12	7	18.03	18.11	18.09		
5	256QAM	12	13	18.01	18.22	18.04		
5	256QAM	25	0	18.25	18.19	18.13		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	18.30	18.39	18.33	20	0
3	QPSK	1	8	18.08	18.03	18.00		
3	QPSK	1	14	18.34	18.34	18.28		
3	QPSK	8	0	18.01	18.00	18.15	20	0
3	QPSK	8	4	18.10	18.12	18.27		
3	QPSK	8	7	18.09	18.43	18.06		
3	QPSK	15	0	18.39	18.39	18.23		
3	16QAM	1	0	18.17	18.34	18.25	20	0
3	16QAM	1	8	18.05	18.05	18.01		
3	16QAM	1	14	18.42	18.20	18.35		
3	16QAM	8	0	18.19	18.30	18.21	20	0
3	16QAM	8	4	18.16	18.27	18.20		
3	16QAM	8	7	18.16	18.17	18.34		
3	16QAM	15	0	18.29	18.24	18.31		
3	64QAM	1	0	18.22	18.13	18.17	20	0
3	64QAM	1	8	18.33	18.18	18.09		
3	64QAM	1	14	18.09	18.19	18.23		
3	64QAM	8	0	18.22	18.20	18.06	20	0
3	64QAM	8	4	18.37	18.36	18.47		
3	64QAM	8	7	18.37	18.13	18.34		
3	64QAM	15	0	18.19	18.29	18.43		
3	256QAM	1	0	18.39	18.39	18.23	20	0
3	256QAM	1	8	18.32	18.28	18.19		
3	256QAM	1	14	18.14	18.21	18.22		
3	256QAM	8	0	18.02	18.13	18.10	20	0
3	256QAM	8	4	18.16	18.05	18.15		
3	256QAM	8	7	18.13	18.06	18.07		
3	256QAM	15	0	18.07	18.18	18.10		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	18.32	18.37	18.25	20	0
1.4	QPSK	1	3	18.12	18.05	18.18		
1.4	QPSK	1	5	18.26	18.24	18.32		
1.4	QPSK	3	0	18.29	18.08	18.24		
1.4	QPSK	3	1	18.24	18.14	18.13		
1.4	QPSK	3	3	18.15	18.28	18.16		
1.4	QPSK	6	0	18.29	18.21	18.16	20	0
1.4	16QAM	1	0	18.25	18.40	18.23	20	0
1.4	16QAM	1	3	18.28	18.16	18.14		
1.4	16QAM	1	5	18.25	18.27	18.23		
1.4	16QAM	3	0	18.34	18.25	18.35		
1.4	16QAM	3	1	18.11	18.20	18.21		
1.4	16QAM	3	3	18.09	18.11	18.19		
1.4	16QAM	6	0	18.31	18.05	18.27	20	0
1.4	64QAM	1	0	18.21	18.16	18.20	20	0
1.4	64QAM	1	3	18.34	18.28	18.10		
1.4	64QAM	1	5	18.11	18.07	18.20		
1.4	64QAM	3	0	18.30	18.29	18.08		
1.4	64QAM	3	1	18.28	18.19	18.35		
1.4	64QAM	3	3	18.29	18.25	18.24		
1.4	64QAM	6	0	18.21	18.19	18.25	20	0
1.4	256QAM	1	0	18.26	18.16	18.28	20	0
1.4	256QAM	1	3	18.22	18.31	18.16		
1.4	256QAM	1	5	18.24	18.18	18.08		
1.4	256QAM	3	0	18.02	18.28	18.01		
1.4	256QAM	3	1	18.27	18.08	18.03		
1.4	256QAM	3	3	18.18	18.14	18.05		
1.4	256QAM	6	0	18.09	18.06	18.15	20	0

Band 48 Ant2 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	22.42	22.44	22.54	22.47	24	0
20	QPSK	1	49	22.34	22.38	22.48	22.42		
20	QPSK	1	99	22.33	22.27	22.42	22.31		
20	QPSK	50	0	21.44	21.41	21.55	21.45	23	1
20	QPSK	50	24	21.20	21.24	21.35	21.16		
20	QPSK	50	50	21.34	21.33	21.43	21.35		
20	QPSK	100	0	21.25	21.27	21.41	21.36		
20	16QAM	1	0	21.34	21.40	21.53	21.39	23	1
20	16QAM	1	49	21.28	21.21	21.40	21.31		
20	16QAM	1	99	21.27	21.26	21.39	21.25		
20	16QAM	50	0	20.44	20.40	20.57	20.45	22	2
20	16QAM	50	24	20.33	20.19	20.39	20.24		
20	16QAM	50	50	20.38	20.39	20.48	20.36		
20	16QAM	100	0	20.32	20.31	20.37	20.20		
20	64QAM	1	0	20.34	20.26	20.44	20.31	22	2
20	64QAM	1	49	20.30	20.21	20.36	20.19		
20	64QAM	1	99	20.14	20.19	20.27	20.21		
20	64QAM	50	0	19.36	19.45	19.56	19.36	21	3
20	64QAM	50	24	19.34	19.30	19.49	19.43		
20	64QAM	50	50	19.38	19.24	19.43	19.22		
20	64QAM	100	0	19.33	19.31	19.51	19.39		
20	256QAM	1	0	17.35	17.49	17.35	17.51	19	5
20	256QAM	1	49	17.20	17.36	17.14	17.35		
20	256QAM	1	99	17.32	17.39	17.28	17.37		
20	256QAM	50	0	17.22	17.33	17.23	17.36	19	5
20	256QAM	50	24	17.27	17.14	17.29	17.08		
20	256QAM	50	50	17.11	17.19	17.10	17.30		
20	256QAM	100	0	17.28	17.13	17.24	17.15		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	22.32	22.32	22.43	22.30	24	0
15	QPSK	1	37	22.26	22.21	22.37	22.22		
15	QPSK	1	74	22.23	22.16	22.24	22.24		
15	QPSK	36	0	21.36	21.34	21.35	21.38	23	1
15	QPSK	36	20	21.07	21.07	21.15	21.01		
15	QPSK	36	39	21.24	21.21	21.24	21.21		
15	QPSK	75	0	21.20	21.08	21.27	21.24		
15	16QAM	1	0	21.21	21.24	21.35	21.28	23	1
15	16QAM	1	37	21.11	21.14	21.26	21.20		
15	16QAM	1	74	21.09	21.19	21.22	21.04		
15	16QAM	36	0	20.31	20.26	20.45	20.37	22	2
15	16QAM	36	20	20.20	20.14	20.32	20.12		
15	16QAM	36	39	20.22	20.30	20.33	20.20		
15	16QAM	75	0	20.23	20.23	20.23	20.13		
15	64QAM	1	0	20.18	20.11	20.25	20.11	22	2
15	64QAM	1	37	20.24	20.10	20.19	20.10		
15	64QAM	1	74	20.08	20.14	20.16	20.01		
15	64QAM	36	0	19.22	19.34	19.45	19.18	21	3
15	64QAM	36	20	19.27	19.16	19.33	19.35		
15	64QAM	36	39	19.28	19.15	19.27	19.06		
15	64QAM	75	0	19.12	19.14	19.43	19.34		
15	256QAM	1	0	17.33	17.48	17.29	17.41	19	5
15	256QAM	1	37	17.16	17.32	17.11	17.29		
15	256QAM	1	74	17.25	17.39	17.20	17.35		
15	256QAM	36	0	17.14	17.25	17.14	17.32	19	5
15	256QAM	36	20	17.27	17.11	17.20	17.19		
15	256QAM	36	39	17.04	17.10	17.20	17.26		
15	256QAM	75	0	17.24	17.11	17.15	17.11		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	22.35	22.33	22.36	22.26	24	0
10	QPSK	1	25	22.13	22.25	22.39	22.32		
10	QPSK	1	49	22.24	22.10	22.36	22.16		
10	QPSK	25	0	21.39	21.20	21.38	21.37	23	1
10	QPSK	25	12	21.06	21.18	21.14	21.00		
10	QPSK	25	25	21.15	21.17	21.29	21.17		
10	QPSK	50	0	21.12	21.07	21.21	21.18		
10	16QAM	1	0	21.27	21.34	21.42	21.22	23	1
10	16QAM	1	25	21.20	21.02	21.31	21.24		
10	16QAM	1	49	21.10	21.12	21.20	21.14		
10	16QAM	25	0	20.32	20.35	20.41	20.25	22	2
10	16QAM	25	12	20.25	20.11	20.27	20.06		
10	16QAM	25	25	20.21	20.22	20.35	20.17		
10	16QAM	50	0	20.20	20.19	20.31	20.09		
10	64QAM	1	0	20.23	20.13	20.38	20.26	22	2
10	64QAM	1	25	20.20	20.14	20.23	20.05		
10	64QAM	1	49	20.12	20.21	20.19	20.12		
10	64QAM	25	0	19.17	19.35	19.44	19.27	21	3
10	64QAM	25	12	19.27	19.14	19.34	19.30		
10	64QAM	25	25	19.27	19.06	19.29	19.11		
10	64QAM	50	0	19.16	19.13	19.43	19.28		
10	256QAM	1	0	17.33	17.41	17.34	17.43	19	5
10	256QAM	1	25	17.21	17.31	17.15	17.30		
10	256QAM	1	49	17.32	17.38	17.26	17.33		
10	256QAM	25	0	17.15	17.24	17.16	17.31	19	5
10	256QAM	25	12	17.28	17.04	17.28	17.00		
10	256QAM	25	25	17.08	17.10	17.10	17.27		
10	256QAM	50	0	17.22	17.10	17.24	17.04		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	22.36	22.31	22.40	22.30	24	0
5	QPSK	1	12	22.29	22.24	22.33	22.27		
5	QPSK	1	24	22.17	22.12	22.22	22.12		
5	QPSK	12	0	21.38	21.23	21.36	21.34	23	1
5	QPSK	12	7	21.05	21.10	21.17	21.28		
5	QPSK	12	13	21.16	21.25	21.30	21.17		
5	QPSK	25	0	21.08	21.12	21.29	21.27		
5	16QAM	1	0	21.26	21.26	21.40	21.20	23	1
5	16QAM	1	12	21.21	21.15	21.27	21.22		
5	16QAM	1	24	21.16	21.14	21.29	21.19		
5	16QAM	12	0	20.36	20.20	20.38	20.26	22	2
5	16QAM	12	7	20.12	20.04	20.27	20.07		
5	16QAM	12	13	20.17	20.22	20.35	20.31		
5	16QAM	25	0	20.13	20.22	20.16	20.04		
5	64QAM	1	0	20.28	20.21	20.35	20.14	22	2
5	64QAM	1	12	20.18	20.15	20.19	20.13		
5	64QAM	1	24	20.09	20.00	20.14	20.16		
5	64QAM	12	0	19.24	19.31	19.38	19.25	21	3
5	64QAM	12	7	19.16	19.12	19.30	19.29		
5	64QAM	12	13	19.23	19.07	19.28	19.12		
5	64QAM	25	0	19.17	19.19	19.31	19.30		
5	256QAM	1	0	17.29	17.43	17.34	17.44	19	5
5	256QAM	1	12	17.17	17.32	17.09	17.34		
5	256QAM	1	24	17.33	17.33	17.20	17.29		
5	256QAM	12	0	17.21	17.33	17.16	17.30	19	5
5	256QAM	12	7	17.27	17.04	17.25	17.01		
5	256QAM	12	13	17.08	17.17	17.05	17.25		
5	256QAM	25	0	17.22	17.12	17.15	17.06		

Band 48 Ant2 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	22.42	22.44	22.54	22.47	24	0
20	QPSK	1	49	22.34	22.38	22.48	22.42		
20	QPSK	1	99	22.33	22.27	22.42	22.31		
20	QPSK	50	0	21.44	21.41	21.55	21.45	23	1
20	QPSK	50	24	21.20	21.24	21.35	21.16		
20	QPSK	50	50	21.34	21.33	21.43	21.35		
20	QPSK	100	0	21.25	21.27	21.41	21.36		
20	16QAM	1	0	21.34	21.40	21.53	21.39	23	1
20	16QAM	1	49	21.28	21.21	21.40	21.31		
20	16QAM	1	99	21.27	21.26	21.39	21.25		
20	16QAM	50	0	20.44	20.40	20.57	20.45	22	2
20	16QAM	50	24	20.33	20.19	20.39	20.24		
20	16QAM	50	50	20.38	20.39	20.48	20.36		
20	16QAM	100	0	20.32	20.31	20.37	20.20		
20	64QAM	1	0	20.34	20.26	20.44	20.31	22	2
20	64QAM	1	49	20.30	20.21	20.36	20.19		
20	64QAM	1	99	20.14	20.19	20.27	20.21		
20	64QAM	50	0	19.36	19.45	19.56	19.36	21	3
20	64QAM	50	24	19.34	19.30	19.49	19.43		
20	64QAM	50	50	19.38	19.24	19.43	19.22		
20	64QAM	100	0	19.33	19.31	19.51	19.39		
20	256QAM	1	0	17.35	17.49	17.35	17.51	19	5
20	256QAM	1	49	17.20	17.36	17.14	17.35		
20	256QAM	1	99	17.32	17.39	17.28	17.37		
20	256QAM	50	0	17.22	17.33	17.23	17.36	19	5
20	256QAM	50	24	17.27	17.14	17.29	17.08		
20	256QAM	50	50	17.11	17.19	17.10	17.30		
20	256QAM	100	0	17.28	17.13	17.24	17.15		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	22.32	22.32	22.43	22.30	24	0
15	QPSK	1	37	22.26	22.21	22.37	22.22		
15	QPSK	1	74	22.23	22.16	22.24	22.24		
15	QPSK	36	0	21.36	21.34	21.35	21.38	23	1
15	QPSK	36	20	21.07	21.07	21.15	21.01		
15	QPSK	36	39	21.24	21.21	21.24	21.21		
15	QPSK	75	0	21.20	21.08	21.27	21.24		
15	16QAM	1	0	21.21	21.24	21.35	21.28	23	1
15	16QAM	1	37	21.11	21.14	21.26	21.20		
15	16QAM	1	74	21.09	21.19	21.22	21.04		
15	16QAM	36	0	20.31	20.26	20.45	20.37	22	2
15	16QAM	36	20	20.20	20.14	20.32	20.12		
15	16QAM	36	39	20.22	20.30	20.33	20.20		
15	16QAM	75	0	20.23	20.23	20.23	20.13		
15	64QAM	1	0	20.18	20.11	20.25	20.11	22	2
15	64QAM	1	37	20.24	20.10	20.19	20.10		
15	64QAM	1	74	20.08	20.14	20.16	20.01		
15	64QAM	36	0	19.22	19.34	19.45	19.18	21	3
15	64QAM	36	20	19.27	19.16	19.33	19.35		
15	64QAM	36	39	19.28	19.15	19.27	19.06		
15	64QAM	75	0	19.12	19.14	19.43	19.34		
15	256QAM	1	0	17.33	17.48	17.29	17.41	19	5
15	256QAM	1	37	17.16	17.32	17.11	17.29		
15	256QAM	1	74	17.25	17.39	17.20	17.35		
15	256QAM	36	0	17.14	17.25	17.14	17.32	19	5
15	256QAM	36	20	17.27	17.11	17.20	17.19		
15	256QAM	36	39	17.04	17.10	17.20	17.26		
15	256QAM	75	0	17.24	17.11	17.15	17.11		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	22.35	22.33	22.36	22.26	24	0
10	QPSK	1	25	22.13	22.25	22.39	22.32		
10	QPSK	1	49	22.24	22.10	22.36	22.16		
10	QPSK	25	0	21.39	21.20	21.38	21.37	23	1
10	QPSK	25	12	21.06	21.18	21.14	21.00		
10	QPSK	25	25	21.15	21.17	21.29	21.17		
10	QPSK	50	0	21.12	21.07	21.21	21.18		
10	16QAM	1	0	21.27	21.34	21.42	21.22	23	1
10	16QAM	1	25	21.20	21.02	21.31	21.24		
10	16QAM	1	49	21.10	21.12	21.20	21.14		
10	16QAM	25	0	20.32	20.35	20.41	20.25	22	2
10	16QAM	25	12	20.25	20.11	20.27	20.06		
10	16QAM	25	25	20.21	20.22	20.35	20.17		
10	16QAM	50	0	20.20	20.19	20.31	20.09		
10	64QAM	1	0	20.23	20.13	20.38	20.26	22	2
10	64QAM	1	25	20.20	20.14	20.23	20.05		
10	64QAM	1	49	20.12	20.21	20.19	20.12		
10	64QAM	25	0	19.17	19.35	19.44	19.27	21	3
10	64QAM	25	12	19.27	19.14	19.34	19.30		
10	64QAM	25	25	19.27	19.06	19.29	19.11		
10	64QAM	50	0	19.16	19.13	19.43	19.28		
10	256QAM	1	0	17.33	17.41	17.34	17.43	19	5
10	256QAM	1	25	17.21	17.31	17.15	17.30		
10	256QAM	1	49	17.32	17.38	17.26	17.33		
10	256QAM	25	0	17.15	17.24	17.16	17.31	19	5
10	256QAM	25	12	17.28	17.04	17.28	17.00		
10	256QAM	25	25	17.08	17.10	17.10	17.27		
10	256QAM	50	0	17.22	17.10	17.24	17.04		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	22.36	22.31	22.40	22.30	24	0
5	QPSK	1	12	22.29	22.24	22.33	22.27		
5	QPSK	1	24	22.17	22.12	22.22	22.12		
5	QPSK	12	0	21.38	21.23	21.36	21.34	23	1
5	QPSK	12	7	21.05	21.10	21.17	21.28		
5	QPSK	12	13	21.16	21.25	21.30	21.17		
5	QPSK	25	0	21.08	21.12	21.29	21.27		
5	16QAM	1	0	21.26	21.26	21.40	21.20	23	1
5	16QAM	1	12	21.21	21.15	21.27	21.22		
5	16QAM	1	24	21.16	21.14	21.29	21.19		
5	16QAM	12	0	20.36	20.20	20.38	20.26	22	2
5	16QAM	12	7	20.12	20.04	20.27	20.07		
5	16QAM	12	13	20.17	20.22	20.35	20.31		
5	16QAM	25	0	20.13	20.22	20.16	20.04		
5	64QAM	1	0	20.28	20.21	20.35	20.14	22	2
5	64QAM	1	12	20.18	20.15	20.19	20.13		
5	64QAM	1	24	20.09	20.00	20.14	20.16		
5	64QAM	12	0	19.24	19.31	19.38	19.25	21	3
5	64QAM	12	7	19.16	19.12	19.30	19.29		
5	64QAM	12	13	19.23	19.07	19.28	19.12		
5	64QAM	25	0	19.17	19.19	19.31	19.30		
5	256QAM	1	0	17.29	17.43	17.34	17.44	19	5
5	256QAM	1	12	17.17	17.32	17.09	17.34		
5	256QAM	1	24	17.33	17.33	17.20	17.29		
5	256QAM	12	0	17.21	17.33	17.16	17.30	19	5
5	256QAM	12	7	17.27	17.04	17.25	17.01		
5	256QAM	12	13	17.08	17.17	17.05	17.25		
5	256QAM	25	0	17.22	17.12	17.15	17.06		

Uplink CA Power

Full Power Ant 0

CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	1	0	22.93	24.00
132322	132520	QPSK	1	99	1	0	1	0	23.11	24.00
132572	132374	QPSK	1	0	1	99	1	0	22.99	24.00

Full Power Ant 0

CA_66B										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	1	24	1	0	22.36	24.00
132322	132415	QPSK	1	0	1	24	1	0	22.58	24.00
132597	132504	QPSK	1	74	1	0	1	0	22.44	24.00

Full Power Ant 1

CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	1	0	22.62	24.00
132322	132520	QPSK	1	99	1	0	1	0	22.74	24.00
132572	132374	QPSK	1	0	1	99	1	0	22.67	24.00

Full Power Ant 1

CA_66B										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	1	24	1	0	22.58	24.00
132322	132415	QPSK	1	0	1	24	1	0	22.54	24.00
132597	132504	QPSK	1	74	1	0	1	0	22.51	24.00

Ant 1 DSI 2 Standalone

CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	1	0	16.47	18.10
132322	132520	QPSK	1	0	1	99	1	0	16.43	18.10
132572	132374	QPSK	1	0	1	99	1	0	16.34	18.10

Ant 1 DSI 2 Standalone

CA_66B										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	1	24	1	0	16.24	18.10
132322	132415	QPSK	1	0	1	24	1	0	16.39	18.10
132597	132504	QPSK	1	74	1	0	1	0	16.23	18.10

Ant 1 DSI 2 Simultaneous

CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	1	0	14.95	16.80
132322	132520	QPSK	1	99	1	0	1	0	15.03	16.80
132572	132374	QPSK	1	0	1	99	1	0	14.98	16.80

Ant 1 DSI 2 Simultaneous

CA_66B										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	1	24	1	0	14.8	16.80
132322	132415	QPSK	1	0	1	24	1	0	14.86	16.80
132597	132504	QPSK	1	74	1	0	1	0	14.77	16.80

Ant 0 DSI 3 Standalone

CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	1	0	18.17	19.20
132322	132520	QPSK	1	99	1	0	1	0	18.26	19.20
132572	132374	QPSK	1	0	1	99	1	0	18.22	19.20

Ant 0 DSI 3 Standalone

CA_66B										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	1	24	1	0	18.03	19.20
132322	132415	QPSK	1	0	1	24	1	0	17.82	19.20
132597	132504	QPSK	1	74	1	0	1	0	17.95	19.20

Ant 1 DSI 3 Standalone

CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	1	0	18.11	19.50
132322	132520	QPSK	1	99	1	0	1	0	18.15	19.50
132572	132374	QPSK	1	0	1	99	1	0	18.03	19.50

Ant 1 DSI 3 Standalone

CA_66B										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	1	24	1	0	18.06	19.50
132322	132415	QPSK	1	0	1	24	1	0	18.11	19.50
132597	132504	QPSK	1	74	1	0	1	0	18.05	19.50

Ant 0 DSI 3 Simultaneous

CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	1	0	14.98	16.20
132322	132520	QPSK	1	99	1	0	1	0	15.05	16.20
132572	132374	QPSK	1	0	1	99	1	0	15.01	16.20

Ant 0 DSI 3 Simultaneous

CA_66B										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	1	24	1	0	14.82	16.20
132322	132415	QPSK	1	0	1	24	1	0	14.79	16.20
132597	132504	QPSK	1	74	1	0	1	0	14.73	16.20

Ant 1 DSI 3 Simultaneous

CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	1	0	16.2	17.70
132322	132520	QPSK	1	99	1	0	1	0	16.31	17.70
132572	132374	QPSK	1	0	1	99	1	0	16.59	17.70

Ant 1 DSI 3 Simultaneous

CA_66B										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	1	24	1	0	16.11	17.70
132322	132415	QPSK	1	0	1	24	1	0	16.22	17.70
132597	132504	QPSK	1	74	1	0	1	0	16.29	17.70

Ant 0 DSI 6 Standalone

CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	1	0	21.53	23.00
132322	132520	QPSK	1	0	1	99	1	0	21.69	23.00
132572	132374	QPSK	1	0	1	99	1	0	21.72	23.00

Ant 0 DSI 6 Standalone

CA_66B										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	1	24	1	0	20.83	23.00
132322	132415	QPSK	1	0	1	24	1	0	20.86	23.00
132597	132504	QPSK	1	74	1	0	1	0	20.77	23.00

Ant 1 DSI 6 Standalone

CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	99	1	0	1	0	19.85	21.50
132322	132520	QPSK	1	99	1	0	1	0	19.92	21.50
132572	132374	QPSK	1	0	1	99	1	0	19.87	21.50

Ant 1 DSI 6 Standalone

CA_66B										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	1	24	1	0	20.98	21.50
132322	132415	QPSK	1	0	1	24	1	0	21.01	21.50
132597	132504	QPSK	1	74	1	0	1	0	20.93	21.50

Ant 0 DSI 6 Simultaneous

CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	66734	QPSK	1	99	1	0	1	0	19.65	21.50
132322	66984	QPSK	1	0	1	99	1	0	19.73	21.50
132572	66838	QPSK	1	0	1	99	1	0	19.74	21.50

Ant 0 DSI 6 Simultaneous

CA_66B										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	1	24	1	0	19.58	21.50
132322	132415	QPSK	1	0	1	24	1	0	19.62	21.50
132597	132504	QPSK	1	74	1	0	1	0	19.47	21.50

Ant 1 DSI 6 Simultaneous

CA_66C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	66734	QPSK	1	99	1	0	1	0	19.61	20.00
132322	66984	QPSK	1	99	1	0	1	0	19.68	20.00
132572	66838	QPSK	1	0	1	99	1	0	19.73	20.00

Ant 1 DSI 6 Simultaneous

CA_66B										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	1	24	1	0	18.97	20.00
132322	132415	QPSK	1	0	1	24	1	0	18.78	20.00
132597	132504	QPSK	1	74	1	0	1	0	18.85	20.00

Full Power Ant 0

CA_5B										
Combination 10MHz+5MHz (50RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20522	QPSK	1	49	1	0	1	0	22.78	24.00
20525	20597	QPSK	1	49	1	0	1	0	22.83	24.00
20600	20528	QPSK	1	0	1	24	1	0	22.72	24.00

Full Power Ant 1

CA_5B										
Combination 10MHz+5MHz (50RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20522	QPSK	1	49	1	0	1	0	22.41	24.00
20525	20597	QPSK	1	49	1	0	1	0	22.58	24.00
20600	20528	QPSK	1	0	1	24	1	0	22.47	24.00

Ant 1 DSI 2 Standalone

CA_5B										
Combination 10MHz+5MHz (50RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20522	QPSK	1	49	1	0	1	0	22.33	23.50
20525	20597	QPSK	1	49	1	0	1	0	22.47	23.50
20600	20528	QPSK	1	0	1	24	1	0	22.31	23.50

Ant 1 DSI 2 Simultaneous

CA_5B										
Combination 10MHz+5MHz (50RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20522	QPSK	1	49	1	0	1	0	21.52	22.20
20525	20597	QPSK	1	49	1	0	1	0	21.56	22.20
20600	20528	QPSK	1	0	1	24	1	0	21.45	22.20

Ant 0 DSI 3 Standalone

CA_5B										
Combination 10MHz+5MHz (50RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20522	QPSK	1	49	1	0	1	0	22.78	23.50
20525	20597	QPSK	1	49	1	0	1	0	22.83	23.50
20600	20528	QPSK	1	0	1	24	1	0	22.72	23.50

Ant 0 DSI 3 Simultaneous

CA_5B										
Combination 10MHz+5MHz (50RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20522	QPSK	1	49	1	0	1	0	21.15	22.20
20525	20597	QPSK	1	49	1	0	1	0	21.2	22.20
20600	20528	QPSK	1	0	1	24	1	0	21.25	22.20

Ant 1 DSI 3 Standalone

CA_5B										
Combination 10MHz+5MHz (50RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20522	QPSK	1	49	1	0	1	0	22.85	24.00
20525	20597	QPSK	1	49	1	0	1	0	22.96	24.00
20600	20528	QPSK	1	0	1	24	1	0	22.99	24.00

Ant 1 DSI 3 Simultaneous

CA_5B										
Combination 10MHz+5MHz (50RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20522	QPSK	1	49	1	0	1	0	22.15	23.10
20525	20597	QPSK	1	49	1	0	1	0	22.26	23.10
20600	20528	QPSK	1	0	1	24	1	0	22.28	23.10

Full Power Ant 2

CA_48C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
55340	55538	QPSK	1	99	1	0	1	0	22.28	24.00
55830	56028	QPSK	1	99	1	0	1	0	22.3	24.00
56150	56348	QPSK	1	99	1	0	1	0	22.33	24.00
56640	56442	QPSK	1	0	1	99	1	0	22.31	24.00

Ant 2 DSI 3 Standalone

CA_48C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
55340	55538	QPSK	1	99	1	0	1	0	17.15	18.50
55830	56028	QPSK	1	99	1	0	1	0	17.19	18.50
56150	56348	QPSK	1	99	1	0	1	0	17.22	18.50
56640	56442	QPSK	1	0	1	99	1	0	17.18	18.50

Ant 2 DSI 3 Simultaneous

CA_48C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
55340	55538	QPSK	1	99	1	0	1	0	16.2	17.20
55830	56028	QPSK	1	99	1	0	1	0	16.22	17.20
56150	56348	QPSK	1	99	1	0	1	0	16.24	17.20
56640	56442	QPSK	1	0	1	99	1	0	16.17	17.20

Downlink 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_4A-48A	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	22.88	22.98
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	22.36	22.58

3CA DL

3CA List	PCC									SCC1					SCC2					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	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	With CA Tx. Power (dBm)	Without CA Tx. Power (dBm)
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	4x4MIMO	23.02	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 13	10M	751	5230	4x4MIMO	21.87	21.97
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230		22.86	22.98
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230		22.43	22.58
	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.83	22.97
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.78	22.89
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		22.82	22.98
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 13	10M	751	5230		22.36	22.58
	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	22.77	22.97
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	22.67	22.89
CA_4A_48C	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	22.83	22.98
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	22.41	22.58
CA_66A_66C	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 66	20M	2165.8	66994	4x4MIMO	22.94	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 66	20M	2165.8	66994	4x4MIMO	22.56	22.69
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 66	5M	2112.5	66461	4x4MIMO	23.09	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 66	5M	2112.5	66461	4x4MIMO	22.57	22.69
CA_2A_2A_46A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 46	20M	5540	50690		23.11	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 46	20M	5540	50690		21.92	21.97
CA_2A_5A_46A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 46	20M	5540	50690		23.09	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 46	20M	5540	50690		21.88	21.97
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		22.86	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		22.53	22.66
CA_2A_13A_46A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 46	20M	5540	50690		23.13	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 46	20M	5540	50690		21.9	21.97
	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		22.94	22.97
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		22.82	22.89
CA_4A_46A_46A	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 46	20M	5160	46890		Band 46	20M	5905	54340		22.78	22.98
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 46	20M	5160	46890		Band 46	20M	5905	54340		22.46	22.58
CA_5B_46A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 46	20M	5540	50690		22.84	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 46	20M	5540	50690		22.62	22.66
CA_5A_46A_46A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 46	20M	5160	46890		Band 46	20M	5905	54340		22.83	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 46	20M	5160	46890		Band 46	20M	5905	54340		22.6	22.66
CA_13A_46C	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		22.92	22.97
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		22.76	22.89
CA_13A_46A_46A	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 46	20M	5160	46890		Band 46	20M	5905	54340		22.91	22.97
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 46	20M	5160	46890		Band 46	20M	5905	54340		22.75	22.89
CA_46A_46A_66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 46	20M	5160	46890		Band 46	20M	5905	54340		22.98	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 46	20M	5160	46890		Band 46	20M	5905	54340		22.53	22.69
CA_46A_48A_66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 48	20M	3641	56150	4x4MIMO	23.07	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 48	20M	3641	56150	4x4MIMO	22.54	22.69
CA_46A_66A_66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 46	20M	5540	50690		23.05	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 46	20M	5540	50690		22.62	22.69

4CA DL

Configure	PCC									SCC1					SCC2					SCC3					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	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	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_2A-2A-4A-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	Band 4	5M	2152.5	2375	4x4MIMO	23.02	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	21.8	21.97
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.76	22.98
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.46	22.58
CA_2A-2A-4A-5A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525		22.98	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525		21.83	21.97
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525		22.78	22.98
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525		22.46	22.58
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.83	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.42	22.66
CA_2A-2A-5B	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		23.12	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		21.74	21.97
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.88	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.59	22.66
CA_2A-4A-4A-5A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 5	10M	881.5	2525		23.02	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 5	10M	881.5	2525		21.78	21.97
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525		22.85	22.98
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525		22.36	22.58
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	22.88	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	22.54	22.66
CA_2A-4A-5B	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		22.96	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		21.84	21.97
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		22.81	22.98
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		22.53	22.58
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.75	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.49	22.66
CA_2A-5A-48C	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	22.99	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	21.85	21.97
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	22.84	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	22.44	22.66
CA_2A-5A-48A-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3641	56150	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	22.92	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3641	56150	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	21.86	21.97
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	22.88	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	22.43	22.66
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3641	56150	4x4MIMO	23.08	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3641	56150	4x4MIMO	22.56	22.69
CA_2A-13A-66C	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 66	20M	2145	66786	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	23.06	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 66	20M	2145	66786	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	21.85	21.97
	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	22.86	22.97
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	22.85	22.89
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230		23.04	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230		22.48	22.69
CA_2A-66A-66A-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 66	20M	2120	66536	4x4MIMO	22.98	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 66	20M	2120	66536	4x4MIMO	21.75	21.97
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 66	20M	2120	66536	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.09	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 66	20M	2120	66536	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.46	22.69
CA_4A-4A-5B	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		22.88	22.98
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		22.36	22.58
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	22.79	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	22.54	22.66
CA_4A-48D	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 48	20M	3680.6	56546	4x4MIMO	22.82	22.98
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 48	20M	3680.6	56546	4x4MIMO	22.36	22.58
CA_5A-5A-66B	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	5M	891.5	2625		Band 66	15M	2145	66786	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	22.83	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 5	5M	891.5	2625		Band 66	15M	2145	66786	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	22.52	22.66
	Band 66	Ant0	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	891.5	2625		22.98	23.16
	Band 66	Ant1	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	891.5	2625		22.5	22.69
CA_5A-5A-66C	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	5M	891.5	2625		Band 66	20M	2145	66786	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	22.8	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 5	5M	891.5	2625		Band 66	20M	2145	66786	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	22.52	22.66
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	891.5	2625		23.07	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	891.5	2625		22.55	22.69
CA_5A-5A-66A-66A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	5M	891.5	2625		Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	22.8	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 5	5M	891.5	2625		Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	22.52	22.66
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	891.5	2625		23.06	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	891.5	2625		22.56	22.69
CA_13A-48A-66B	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 48	20M	3641	56150	4x4MIMO	Band 66	15M	2145	66786	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	22.73	22.97
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 48	20M	3641	56150	4x4MIMO	Band 66	15M	2145	66786	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	22.86	22.89
	Band 66	Ant0	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	Band 13	10M	751	5230		Band 48	20M	3641	56150	4x4MIMO	23.06	23.16
	Band 66	Ant1	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	Band 13	10M	751	5230		Band 48	20M	3641	56150	4x4MIMO	22.61	22.69
CA_13A-48A-66C	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 48	20M	3641	56150	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	22.76	22.97
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 48	20M	3641	56150	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	22.86	22.89
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 13	10M	751	5230		Band 48	20M	3641	56150	4x4MIMO	23.03	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 13	10M	751	5230		Band 48	20M	3641	56150	4x4MIMO	22.64	22.69
CA_48C-66A-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	23.02	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	22.56	22.69
CA_48A-48A-66B	Band 66	Ant0	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	23.07	23.16
	Band 66	Ant1	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	22.55	22.69
CA_48A-48A-66C	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	22.98	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	22.57	22.69
CA_48A-48A-66A-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	22.94	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	22.53	22.69
CA_2A-2A-46C	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		22.93	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		21.91	21.97
CA_2A-5A-46C	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		23.06	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		21.85	21.97
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		22.88	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		22.49	22.66
CA_2A-13A-46C	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		23.06	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		21.92	21.97
	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		22.86	22.97
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		22.85	22.89
CA_2A-46A-46C	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 46	20M	5160	46890		Band 46	20M	5885.2	54142		Band 46	20M	5905	54340		23.03	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 46	20M	5160	46890		Band 46	20M	5885.2	54142		Band 46	20M	5905	54340		21.81	21.97
CA_2A-46A-48A-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 48	20M	3641	56150	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	23.11	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 48	20M	3641	56150	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	21.89	21.97
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		Band 48	20M	3641	56150	4x4MIMO	23.06	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		Band 48	20M	3641	56150	4x4MIMO	22.55	22.69
CA_4A-46A-46C	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 46	20M	5160	46890		Band 46	20M	5885.2	54142		Band 46	20M	5905	54340		22.75	22.98
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 46	20M	5160	46890		Band 46	20M	5885.2	54142		Band 46	20M	5905	54340		22.51	22.58
CA_5B-46C	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		22.87	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		22.59	22.66
CA_5A-46C-66A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 66	20M	2145	66786	4x4MIMO	22.78	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 66	20M	2145	66786	4x4MIMO	22.49	22.66
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		23.08	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		22.61	22.69
CA_13A-46C-66A	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 66	20M	2145	66786	4x4MIMO	22.83	22.97
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 66	20M	2145	66786	4x4MIMO	22.76	22.89
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		23.07	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		22.55	22.69
CA_46A-46C-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 46	20M	5160	46890		Band 46	20M	5885.2	54142		Band 46	20M	5905	54340		22.97	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 46	20M	5160	46890		Band 46	20M	5885.2	54142		Band 46	20M	5905	54340		22.53	22.69
CA_46C-48A-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3641	56150	4x4MIMO	23.08	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3641	56150	4x4MIMO	22.57	22.69
CA_46C-66A-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		23.11	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		22.56	22.69
CA_46A-48C-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	23.04	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	22.49	22.69

5CA DL

Configure	PCC LTE Band	PCC BW Ant	PCC BW (MHz)	PCC UL Freq. (MHz)	PCC UL Channel	PCC Mod.	PCC UL# RB	PCC UL RB Offset	PCC DL Antenna Configuration	SCC1 LTE Band	SCC1 BW (MHz)	SCC1 DL Freq. (MHz)	SCC1 DL Channel	SCC1 DL Antenna Configuration	SCC2 LTE Band	SCC2 BW (MHz)	SCC2 DL Freq. (MHz)	SCC2 DL Channel	SCC2 DL Antenna Configuration	SCC3 LTE Band	SCC3 BW (MHz)	SCC3 DL Freq. (MHz)	SCC3 DL Channel	SCC3 DL Antenna Configuration	SCC4 LTE Band	SCC4 BW (MHz)	SCC4 DL Freq. (MHz)	SCC4 DL Channel	SCC4 DL Antenna Configuration	Power With CA Tx. Power (dBm)	Power Without CA Tx. Power (dBm)
CA_2A-2A-5A-66B	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525		Band 66	15M	2145	66786	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	23.06	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525		Band 66	15M	2145	66786	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	21.78	21.97
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	15M	2145	66786	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	22.7	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	15M	2145	66786	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	22.64	22.66
	Band 66	Ant0	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525		23.12	23.16
	Band 66	Ant1	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525		22.55	22.69
CA_2A-2A-5A-66C	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525		Band 66	20M	2145	66786	4x4MIMO	Band 66	20M	2164.8	66987	4x4MIMO	22.99	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525		Band 66	20M	2145	66786	4x4MIMO	Band 66	20M	2164.8	66987	4x4MIMO	21.83	21.97
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	20M	2164.8	66987	4x4MIMO	22.68	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	20M	2164.8	66987	4x4MIMO	22.47	22.66
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525		22.94	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66987	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525		22.61	22.69
CA_2A-2A-5A-66A-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525		Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	22.99	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525		Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	21.87	21.97
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	22.82	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	22.57	22.66
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525		23.12	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525		22.58	22.69
CA_2A-2A-13A-66A-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 13	10M	751	5230		Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	22.93	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 13	10M	751	5230		Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	21.94	21.97
	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	22.95	22.97
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	22.88	22.89
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 13	10M	751	5230		23.09	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 13	10M	751	5230		22.62	22.69
CA_2A-5B-66B	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		Band 66	15M	2145	66786	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	23.04	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		Band 66	15M	2145	66786	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	21.83	21.97
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 2	20M	1960	900	4x4MIMO	Band 66	15M	2145	66786	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	22.8	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 2	20M	1960	900	4x4MIMO	Band 66	15M	2145	66786	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	22.61	22.66
	Band 66	Ant0	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		22.93	23.16
	Band 66	Ant1	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		22.55	22.69
CA_2A-5B-66C	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		Band 66	20M	2145	66786	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	22.94	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		Band 66	20M	2145	66786	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	21.75	21.97
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 2	20M	1960	900	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	22.82	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 2	20M	1960	900	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	22.47	22.66
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		Band 2	20M	1960	900	4x4MIMO	23.08	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		Band 2	20M	1960	900	4x4MIMO	22.57	22.69
CA_2A-5B-66A-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	23.14	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	21.76	21.97
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 2	20M	1960	900	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	22.85	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 2	20M	1960	900	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	22.61	22.66
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		23.13	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525		Band 5	5M	888.7	2597		22.56	22.69
CA_2A-5A-48C-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	22.97	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	21.77	21.97
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	22.75	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	22.56	22.66
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	23.05	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	22.56	22.69
CA_2A-5A-48D	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 48	20M	3680.6	56546	4x4MIMO	23.08	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 48	20M	3680.6	56546	4x4MIMO	21.93	21.97
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 48	20M	3680.6	56546	4x4MIMO	22.81	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 48	20M	3680.6	56546	4x4MIMO	22.44	22.66
CA_2A-13A-48D	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 48	20M	3680.6	56546	4x4MIMO	22.92	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 48	20M	3680.6	56546	4x4MIMO	21.84	21.97
	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 48	20M	3680.6	56546	4x4MIMO	22.77	22.97
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 48	20M	3680.6	56546	4x4MIMO	22.8	22.89
CA_2A-13A-48A-48C	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 48	20M	3641	56150	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 48	20M	3685.8	56598	4x4MIMO	22.95	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 48	20M	3641	56150	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 48	20M	3685.8	56598	4x4MIMO	21.88	21.97
	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 48	20M	3677.7	56517	4x4MIMO	22.91	22.97
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 48	20M	3677.7	56517	4x4MIMO	22.76	22.89
CA_2A-13A-48C-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	23.01	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	21.89	21.97
	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	22.84	22.97
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	22.67	22.89
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	23.02	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	22.47	22.69
CA_2A-13A-48A-48A-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 48	20M	3641	56150	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	22.92	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 48	20M	3641	56150	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	21.92	21.97
	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	22.77	22.97
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	22.84	22.89
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230		23.11	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230		22.63	22.69
CA_2A-13A-66A-66B	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	1777.5	67111	4x4MIMO	Band 66	15M	1684.5	67204	4x4MIMO	Band 13	10M	751	5230		23.08	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	1777.5	67111	4x4MIMO	Band 66	15M	1684.5	67204	4x4MIMO	Band 13	10M	751	5230		21.85	21.97
	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	1777.5	67111	4x4MIMO	Band 66	15M	1684.5	67204	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.83	22.97
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	1777.5	67111	4x4MIMO	Band 66	15M	1684.5	67204	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.84	22.89
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	1777.5	67111	4x4MIMO	Band 66	15M	1684.5	67204	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230		23.06	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	1777.5	67111	4x4MIMO	Band 66	15M	1684.5	67204	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230		22.53	22.69
	Band 66	Ant0	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	Band 66	20M	2120	66536	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230		23.01	23.16
	Band 66	Ant1	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	Band 66	20M	2120	66536	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230		22.61	22.69
CA_2A-48A-48D	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 48	20M	3685.8	56598	4x4MIMO	Band 48	20M	3666	56400	4x4MIMO	22.97	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 48	20M	3685.8	56598	4x4MIMO	Band 48	20M	3666	56400	4x4MIMO	21.83	21.97
CA_2A-48A-48C-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 48	20M	3685.8	56598	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	23.09	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 48	20M	3685.8	56598	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	21.85	21.97
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 48	20M	3709.2	56832	4x4MIMO	23.11	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 48	20M	3709.2	56832	4x4MIMO	22.54	22.69
CA_4A-48E	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	Band 48	20M	3668.4	56424	4x4MIMO	22.75	22.98
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	Band 48	20M	3668.4	56424	4x4MIMO	22.38	22.58
CA_5A-48D-66A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 48	20M	3680.6	56546	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	22.69	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 48	20M	3680.6	56546	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	22.44	22.66
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 48	20M	3680.6	56546	4x4MIMO	23.02	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 48	20M	3680.6	56546	4x4MIMO	22.67	22.69
CA_13A-48C-48C	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 48	5M	3552.5	55265	4x4MIMO	Band 48	20M	3564.2	55382	4x4MIMO	22.92	22.97
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 48	5M	3552.5	55265	4x4MIMO	Band 48	20M	3564.2	55382	4x4MIMO	22.73	22.89
CA_13A-48E	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	Band 48	20M	3668.4	56424	4x4MIMO	22.86	22.97
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	Band 48	20M	3668.4	56424	4x4MIMO	22.71	22.89
CA_13A-48A-48D	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 48	20M	3641	56150	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 48	20M	3685.8	56598	4x4MIMO	Band 48	20M	3666	56400	4x4MIMO	22.92	22.97
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 48	20M	3641	56150	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 48	20M	3685.8	56598	4x4MIMO	Band 48	20M	3666	56400	4x4MIMO	22.77	22.89
CA_13A-48D-66A	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 48	20M	3680.6	56546	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	22.75	22.97
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 48	20M	3680.6	56546	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	22.84	22.89
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 48	20M	3680.6	56546	4x4MIMO	23.14	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 48	20M	3680.6	56546	4x4MIMO	22.46	22.69
CA_13A-48A-48C-66A	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 48	20M	3641	56150	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 48	20M	3685.8	56598	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	22.78	22.97
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 48	20M	3641	56150	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 48	20M	3685.8	56598	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	22.83	22.89
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 48	20M	3641	56150	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 48	20M	3685.8	56598	4x4MIMO	22.98	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 48	20M	3641	56150	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 48	20M	3685.8	56598	4x4MIMO	22.54	22.69
CA_48C-48D	Band 48	Ant2	20M	3641	56150	QPSK	1	0	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 48	5M	3552.5	55265	4x4MIMO	Band 48	20M	3564.2	55382	4x4MIMO	Band 48	20M	3584	55580	4x4MIMO	22.48	22.54
	Band 48	Ant2	20M	3641	56150	QPSK	1	0	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 48	20M	3680.6	56546	4x4MIMO	Band 48	5M	3552.5	55265	4x4MIMO	Band 48	20M	3564.2	56438	4x4MIMO	22.46	22.54
CA_48C-48C-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 48	5M	3552.5	55265	4x4MIMO	Band 48	20M	3564.2	55382	4x4MIMO	22.94	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 48	5M	3552.5	55265	4x4MIMO	Band 48	20M	3564.2	55382	4x4MIMO	22.59	22.69
CA_48A-48D-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 48	20M	3685.8	56598	4x4MIMO	Band 48	20M	3666	56400	4x4MIMO	23.08	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 48	20M	3685.8	56598	4x4MIMO	Band 48	20M	3666	56400	4x4MIMO	22.57	22.69
CA_48A-48C-66B	Band 66	Ant0	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 48	20M	3685.8	56598	4x4MIMO	22.95	23.16
	Band 66	Ant1	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 48	20M	3685.8	56598	4x4MIMO	22.62	22.69
CA_48A-48C-66C	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 48	20M	3685.8	56598	4x4MIMO	22.97	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	5M	3697.5	56715	4x4MIMO	Band 48	20M	3685.8	56598	4x4MIMO	22.56	22.69
CA_2A-2A-46D	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		22.95	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		21.86	21.97
CA_2A-5A-46D	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		23.03	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		21.92	21.97
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		22.85	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		22.56	22.66
CA_2A-13A-46D	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		23.04	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		21.91	21.97
	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		22.83	22.97
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		22.77	22.89
CA_2A-46A-46D	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 46	20M	5160	46890		Band 46	20M	5865.2	53942		Band 46	20M	5885	54140		Band 46	20M	5904.8	54338		22.97	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 46	20M	5160	46890		Band 46	20M	5865.2	53942		Band 46	20M	5885	54140		Band 46	20M	5904.8	54338		21.85	21.97
CA_2A-46D-48A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		22.92	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		21.83	21.97
CA_2A-46C-48A-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3641	56150	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	23.07	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3641	56150	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	21.83	21.97
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3641	56150	4x4MIMO	23.09	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3641	56150	4x4MIMO	22.51	22.69
CA_2A-46A-48C-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	23.09	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	21.94	21.97
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	23.09	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	22.57	22.69
CA_4A-46A-46D	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 46	20M	5160	46890		Band 46	20M	5865.2	53942		Band 46	20M	5885	54140		Band 46	20M	5904.8	54338		22.83	22.98
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 46	20M	5160	46890		Band 46	20M	5865.2	53942		Band 46	20M	5885	54140		Band 46	20M	5904.8	54338		22.91	22.98
CA_5B-46D	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		22.87	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 5	5M	888.7	2597		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		22.54	22.66
CA_5A-46E	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 46	20M	5160	46890		Band 46	20M	5179.8	47088		Band 46	20M	5199.6	47286		Band 46	20M	5219.4	47484		22.85	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 46	20M	5160	46890		Band 46	20M	5179.8	47088		Band 46	20M	5199.6	47286		Band 46	20M	5219.4	47484		22.62	22.66
CA_5A-46D-66A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		Band 66	20M	2145	66786	4x4MIMO	22.81	22.91
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		Band 66	20M	2145	66786	4x4MIMO	22.49	22.66
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		22.93	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		22.57	22.69
CA_13A-46E	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 46	20M	5160	46890		Band 46	20M	5179.8	47088		Band 46	20M	5199.6	47286		Band 46	20M	5219.4	47484		22.88	22.97
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 46	20M	5160	46890		Band 46	20M	5179.8	47088		Band 46	20M	5199.6	47286		Band 46	20M	5219.4	47484		22.76	22.89
CA_13A-46D-66A	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		Band 66	20M	2145	66786	4x4MIMO	22.84	22.97
	Band 13	Ant1	10M	782	23230	QPSK	1	0		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		Band 66	20M	2145	66786	4x4MIMO	22.76	22.89
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		22.97	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		22.51	22.69
CA_46A-46D-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 46	20M	5160	46890		Band 46	20M	5865.2	53942		Band 46	20M	5885	54140		Band 46	20M	5904.8	54338		23.03	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 46	20M	5160	46890		Band 46	20M	5865.2	53942		Band 46	20M	5885	54140		Band 46	20M	5904.8	54338		22.55	22.69

6CA DL

Configure	PCC									SCC1					SCC2					SCC3					SCC4					SCC5					Power	
	LTE Band	LTE Ant	LTE BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	DL Antenna Configuration	LTE Band	LTE BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	LTE Band	LTE BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	LTE Band	LTE BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	LTE Band	LTE BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	LTE Band	LTE BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	With CA Tx. Power (dBm)	Without CA Tx. Power (dBm)
CA_2A-46D-48A-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		22.95	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		21.83	21.97
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		23.01	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		22.53	22.69
CA_2A-46D-66A-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	22.96	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	21.78	21.97
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		23.05	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		22.48	22.69
CA_2A-46C-48C-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	22.95	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	21.86	21.97
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		23.03	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		22.57	22.69
CA_2A-46A-48E	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	Band 48	20M	3668.4	56424	4x4MIMO	22.91	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	Band 48	20M	3668.4	56424	4x4MIMO	21.91	21.97
CA_2A-46A-48D-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 48	20M	3680.6	56546	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	22.93	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 48	20M	3680.6	56546	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	21.95	21.97
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 48	20M	3680.6	56546	4x4MIMO	23.01	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 48	20M	3680.6	56546	4x4MIMO	22.52	22.69
CA_2A-48E-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	Band 48	20M	3668.4	56424	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	23.06	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	Band 48	20M	3668.4	56424	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	21.88	21.97
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	Band 48	20M	3668.4	56424	4x4MIMO	22.96	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	Band 48	20M	3668.4	56424	4x4MIMO	22.57	22.69

7CA DL

Configure	PCC									SCC1					SCC2					SCC3					SCC4					SCC5					SCC5					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	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	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_2A-46E-48C	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 46	20M	5160	46890		Band 46	20M	5179.8	47088		Band 46	20M	5199.6	47286		Band 46	20M	5219.4	47484		23.07	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 46	20M	5160	46890		Band 46	20M	5179.8	47088		Band 46	20M	5199.6	47286		Band 46	20M	5219.4	47484		21.83	21.97
CA_2A-46E-48A-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 46	20M	5160	46890		Band 46	20M	5179.8	47088		Band 46	20M	5199.6	47286		Band 46	20M	5219.4	47484		23.07	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 46	20M	5160	46890		Band 46	20M	5179.8	47088		Band 46	20M	5199.6	47286		Band 46	20M	5219.4	47484		21.83	21.97
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 46	20M	5160	46890		Band 46	20M	5179.8	47088		Band 46	20M	5199.6	47286		Band 46	20M	5219.4	47484		23.05	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 46	20M	5160	46890		Band 46	20M	5179.8	47088		Band 46	20M	5199.6	47286		Band 46	20M	5219.4	47484		22.57	22.69
CA_2A-46E-66A-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 46	20M	5160	46890		Band 46	20M	5179.8	47088		Band 46	20M	5199.6	47286		Band 46	20M	5219.4	47484		22.95	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 46	20M	5160	46890		Band 46	20M	5179.8	47088		Band 46	20M	5199.6	47286		Band 46	20M	5219.4	47484		21.91	21.97
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5160	46890		Band 46	20M	5179.8	47088		Band 46	20M	5199.6	47286		Band 46	20M	5219.4	47484		23.09	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2177.5	67111	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5160	46890		Band 46	20M	5179.8	47088		Band 46	20M	5199.6	47286		Band 46	20M	5219.4	47484		22.61	22.69
CA_2A-46D-48C-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		23.13	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		21.89	21.97
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		23.05	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 46	20M	5579.6	51086		22.57	22.69
CA_2A-46C-48E	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	Band 48	20M	3668.4	56424	4x4MIMO	22.9	23.15
CA_2A-46C-48D-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 48	20M	3680.6	56546	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	22.97	23.15
	Band 2	Ant1	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 48	20M	3680.6	56546	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	22.15	21.97
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 48	20M	3680.6	56546	4x4MIMO	23.03	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3641	56150	4x4MIMO	Band 48	20M	3660.8	56348	4x4MIMO	Band 48	20M	3680.6	56546	4x4MIMO	22.62	22.69
CA_46C-48E-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	Band 48	20M	3668.4	56424	4x4MIMO	23.01	23.16
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 46	20M	5540	50690		Band 46	20M	5559.8	50888		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 48	20M	3648.6	56226	4x4MIMO	Band 48	20M	3668.4	56424	4x4MIMO	22.48	22.69

Full Power level/Default Power level/ Pmax Power Level for 5G NR

n2 Ant0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	22.15	22.24	22.17	24.0	0.0
20	PI/2 BPSK	1	53	22.27	22.33	22.26		
20	PI/2 BPSK	1	104	22.19	22.26	22.24		
20	PI/2 BPSK	50	0	22.18	22.33	22.25	24.0	0.0
20	PI/2 BPSK	50	28	22.13	22.31	22.30	24.0	0.0
20	PI/2 BPSK	50	56	22.19	22.26	22.07	24.0	0.0
20	PI/2 BPSK	100	0	22.13	22.22	22.13		
20	QPSK	1	1	22.53	22.55	22.38	24.0	0.0
20	QPSK	1	53	22.05	22.19	22.05		
20	QPSK	1	104	22.25	22.32	22.20		
20	QPSK	50	0	22.16	22.23	22.17	24.0	0.0
20	QPSK	50	28	22.21	22.41	22.25	24.0	0.0
20	QPSK	50	56	22.17	22.35	22.29	24.0	0.0
20	QPSK	100	0	22.21	22.37	22.29		
20	16QAM	1	1	22.40	22.47	22.41	24.0	0.0
20	64QAM	1	1	21.37	21.48	21.31	22.5	1.5
20	256QAM	1	1	19.23	19.26	19.23	20.5	3.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	22.23	22.43	22.24	24.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	22.42	22.41	22.17	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	22.25	22.35	22.16	24.0	0.0

n5 Ant0

BW [MHz]	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	22.62	22.68	22.65	24.0	0.0
20	PI/2 BPSK	1	53	22.62	22.63	22.54		
20	PI/2 BPSK	1	104	22.46	22.60	22.41		
20	PI/2 BPSK	50	0	22.50	22.55	22.49	24.0	0.0
20	PI/2 BPSK	50	28	22.64	22.67	22.55	24.0	0.0
20	PI/2 BPSK	50	56	22.50	22.56	22.41	24.0	0.0
20	PI/2 BPSK	100	0	22.45	22.64	22.60		
20	QPSK	1	1	22.63	22.75	22.67	24.0	0.0
20	QPSK	1	53	22.42	22.62	22.44		
20	QPSK	1	104	22.47	22.60	22.55		
20	QPSK	50	0	22.49	22.58	22.41	24.0	0.0
20	QPSK	50	28	22.62	22.65	22.63	24.0	0.0
20	QPSK	50	56	22.50	22.57	22.43	24.0	0.0
20	QPSK	100	0	22.43	22.62	22.42		
20	16QAM	1	1	22.59	22.61	22.52	24.0	0.0
20	64QAM	1	1	21.73	21.91	21.72	22.5	1.5
20	256QAM	1	1	19.64	19.69	19.52	20.5	3.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.48	22.54	22.39	24.0	0.0
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.46	22.51	22.47	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	22.50	22.45	22.42	24.0	0.0

n66 Ant0

BW [MHz]	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	22.20	22.33	22.28	24.0	0.0
40	PI/2 BPSK	1	108	22.16	22.34	22.19		
40	PI/2 BPSK	1	214	22.16	22.35	22.17		
40	PI/2 BPSK	108	0	22.09	22.28	22.26	24.0	0.0
40	PI/2 BPSK	108	54	22.06	22.25	22.08	24.0	0.0
40	PI/2 BPSK	108	108	22.16	22.27	22.17	24.0	0.0
40	PI/2 BPSK	216	0	22.27	22.33	22.16		
40	QPSK	1	1	22.45	22.63	22.58	24.0	0.0
40	QPSK	1	108	22.40	22.53	22.36		
40	QPSK	1	214	22.41	22.49	22.49		
40	QPSK	108	0	22.45	22.47	22.43	24.0	0.0
40	QPSK	108	54	22.14	22.49	22.14	24.0	0.0
40	QPSK	108	108	22.18	22.26	22.25	24.0	0.0
40	QPSK	216	0	22.14	22.26	22.17		
40	16QAM	1	1	22.50	22.51	22.50	24.0	0.0
40	64QAM	1	1	21.63	21.64	21.58	22.5	1.5
40	256QAM	1	1	19.25	19.30	19.17	20.5	3.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	22.20	22.44	22.31	24.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	22.17	22.40	22.43	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	22.19	22.42	22.47	24.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	22.31	22.42	22.30	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	22.25	22.47	22.37	24.0	0.0

n2 Ant1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	22.96	23.13	23.02	24.0	0.0
20	PI/2 BPSK	1	53	22.77	23.06	22.89		
20	PI/2 BPSK	1	104	22.77	23.00	22.75		
20	PI/2 BPSK	50	0	22.83	22.93	22.79	24.0	0.0
20	PI/2 BPSK	50	28	22.67	22.96	22.76	24.0	0.0
20	PI/2 BPSK	50	56	22.71	22.92	22.77	24.0	0.0
20	PI/2 BPSK	100	0	22.70	22.97	22.70		
20	QPSK	1	1	22.90	23.15	22.87	24.0	0.0
20	QPSK	1	53	22.95	23.09	22.89		
20	QPSK	1	104	22.75	22.96	22.77		
20	QPSK	50	0	22.64	22.91	22.71	24.0	0.0
20	QPSK	50	28	22.81	22.93	22.70	24.0	0.0
20	QPSK	50	56	22.62	22.92	22.63	24.0	0.0
20	QPSK	100	0	22.85	22.95	22.84		
20	16QAM	1	1	22.72	22.97	22.84	24.0	0.0
20	64QAM	1	1	22.23	22.43	22.19	23.5	0.5
20	256QAM	1	1	19.99	20.19	19.94	21.0	3.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	22.79	23.09	22.69	24.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	22.72	22.99	22.77	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	22.74	23.00	22.85	24.0	0.0

n5 Ant1

BW [MHz]	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	22.35	22.36	22.34	24.0	0.0
20	PI/2 BPSK	1	53	22.25	22.30	22.24		
20	PI/2 BPSK	1	104	22.09	22.24	22.14		
20	PI/2 BPSK	50	0	22.05	22.23	22.16	24.0	0.0
20	PI/2 BPSK	50	28	22.31	22.34	22.28	24.0	0.0
20	PI/2 BPSK	50	56	22.08	22.27	22.23	24.0	0.0
20	PI/2 BPSK	100	0	22.28	22.32	22.31		
20	QPSK	1	1	22.52	22.55	22.47	24.0	0.0
20	QPSK	1	53	22.24	22.33	22.23		
20	QPSK	1	104	22.26	22.31	22.31		
20	QPSK	50	0	22.09	22.22	22.05	24.0	0.0
20	QPSK	50	28	22.31	22.33	22.17	24.0	0.0
20	QPSK	50	56	22.20	22.22	22.12	24.0	0.0
20	QPSK	100	0	22.13	22.29	22.15		
20	16QAM	1	1	22.42	22.37	22.42	24.0	0.0
20	64QAM	1	1	21.70	21.73	21.58	22.5	1.5
20	256QAM	1	1	19.24	19.43	19.23	20.5	3.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.36	22.36	22.21	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.42	22.33	22.28	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	22.41	22.25	22.29	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	22.93	23.13	23.04	24.0	0.0
40	PI/2 BPSK	1	108	23.02	23.07	22.91		
40	PI/2 BPSK	1	214	22.87	22.98	22.97		
40	PI/2 BPSK	108	0	22.97	23.05	22.94	24.0	0.0
40	PI/2 BPSK	108	54	22.90	23.00	22.86	24.0	0.0
40	PI/2 BPSK	108	108	23.03	23.10	23.08	24.0	0.0
40	PI/2 BPSK	216	0	22.88	23.03	22.96		
40	QPSK	1	1	23.28	23.36	23.32	24.0	0.0
40	QPSK	1	108	22.95	23.11	22.99		
40	QPSK	1	214	22.79	22.97	22.82		
40	QPSK	108	0	22.91	23.04	23.00	24.0	0.0
40	QPSK	108	54	22.93	23.06	22.94	24.0	0.0
40	QPSK	108	108	22.89	23.03	22.84	24.0	0.0
40	QPSK	216	0	22.86	23.05	22.89		
40	16QAM	1	1	23.31	23.33	23.24	24.0	0.0
40	64QAM	1	1	22.39	22.52	22.44	23.5	0.5
40	256QAM	1	1	20.06	20.19	20.14	21.0	3.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	23.15	23.16	23.15	24.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.02	23.20	23.06	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	23.03	23.22	23.16	24.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.06	23.08	23.17	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	22.99	23.15	23.18	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	23.11	23.17	23.06	24.0	0.0
100	PI/2 BPSK	1	137	23.00	23.06	22.92		
100	PI/2 BPSK	1	271	23.16	23.23	23.23		
100	PI/2 BPSK	135	0	22.91	23.01	22.95		
100	PI/2 BPSK	135	69	22.97	23.05	22.95		
100	PI/2 BPSK	135	138	22.86	22.93	22.86		
100	PI/2 BPSK	270	0	22.79	22.95	22.82		
100	QPSK	1	1	23.20	23.24	23.05	24.0	0.0
100	QPSK	1	137	23.01	23.12	23.06		
100	QPSK	1	271	23.10	23.21	23.23		
100	QPSK	135	0	22.91	23.02	22.99		
100	QPSK	135	69	22.90	22.98	22.77		
100	QPSK	135	138	22.71	22.82	22.90		
100	QPSK	270	0	22.75	22.89	22.79		
100	16QAM	1	1	22.82	22.87	22.74		
100	64QAM	1	1	22.40	22.39	22.27		
100	256QAM	1	1	20.14	20.18	20.02	21.0	3.0
Channel				649668	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	23.22	23.18	22.85	24.0	0.0
Channel				649334	656000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	23.10	23.22	22.97	24.0	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	22.99	23.11	22.98	24.0	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	23.12	23.11	22.95	24.0	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	23.02	23.19	23.06	24.0	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	23.16	23.14	22.84	24.0	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	23.15	23.15	22.88	24.0	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	23.14	23.13	22.96	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	25.96	26.12	26.14	27.0	0.0
100	PI/2 BPSK	1	137	26.01	26.15	26.11		
100	PI/2 BPSK	1	271	26.00	26.18	26.02		
100	PI/2 BPSK	135	0	25.34	25.58	25.39	26.5	0.5
100	PI/2 BPSK	135	69	26.00	26.09	25.97	27.0	0.0
100	PI/2 BPSK	135	138	25.67	25.67	25.52	26.5	0.5
100	PI/2 BPSK	270	0	25.40	25.51	25.30	26.5	0.5
100	QPSK	1	1	26.02	26.21	26.13	27.0	0.0
100	QPSK	1	137	26.11	26.12	25.99		
100	QPSK	1	271	25.98	26.11	26.09		
100	QPSK	135	0	25.07	25.16	25.05	26.5	0.5
100	QPSK	135	69	25.97	26.07	25.91	27.0	0.0
100	QPSK	135	138	25.01	25.02	24.90	26.5	0.5
100	QPSK	270	0	25.05	25.05	24.86	26.5	0.5
100	16QAM	1	1	24.77	24.98	24.80	26.5	0.5
100	64QAM	1	1	23.83	23.92	23.73	25.0	2.0
100	256QAM	1	1	21.81	21.73	21.59	22.5	4.5
Channel				649668	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3932.01	(dBm)	(dB)
90	QPSK	1	1	26.05	26.15	26.11	27.0	0.0
Channel				649334	656000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	25.97	26.12	25.99	27.0	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	25.98	26.05	26.12	27.0	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	25.91	26.14	25.99	27.0	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	26.01	26.15	26.01	27.0	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	26.05	26.18	26.08	27.0	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	25.94	26.20	26.10	27.0	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	26.02	26.19	26.11	27.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		23.13		24.0	0.0
100	PI/2 BPSK	1	137		23.00			
100	PI/2 BPSK	1	271		23.13			
100	PI/2 BPSK	135	0		22.99			
100	PI/2 BPSK	135	69		22.88			
100	PI/2 BPSK	135	138		22.74			
100	PI/2 BPSK	270	0		22.88		24.0	0.0
100	QPSK	1	1		23.21		24.0	0.0
100	QPSK	1	137		22.99			
100	QPSK	1	271		23.17			
100	QPSK	135	0		22.97		24.0	0.0
100	QPSK	135	69		22.87			
100	QPSK	135	138		22.82			
100	QPSK	270	0		22.87		24.0	0.0
100	16QAM	1	1		22.86		24.0	0.0
100	64QAM	1	1		22.21		23.0	1.0
100	256QAM	1	1		20.12		21.0	3.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	23.04	23.19	22.88	24.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	23.17	23.16	22.99	24.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	23.15	23.19	23.03	24.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	23.16	23.13	22.88	24.0	0.0
Channel				631668	633334	635002	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	23.15	23.08	22.97	24.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	23.05	23.04	23.04	24.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	23.15	23.21	22.93	24.0	0.0
Channel				630668	633334	636002	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	23.04	23.11	22.96	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		26.01		27.0	0.0
100	PI/2 BPSK	1	137		26.14			
100	PI/2 BPSK	1	271		26.16			
100	PI/2 BPSK	135	0		25.50		26.5	0.5
100	PI/2 BPSK	135	69		26.06		27.0	0.0
100	PI/2 BPSK	135	138		25.63		26.5	0.5
100	PI/2 BPSK	270	0		25.36		26.5	0.5
100	QPSK	1	1		26.18		27.0	0.0
100	QPSK	1	137		26.04			
100	QPSK	1	271		26.00			
100	QPSK	135	0		26.02		26.5	0.5
100	QPSK	135	69		25.88		27.0	0.0
100	QPSK	135	138		24.85		26.5	0.5
100	QPSK	270	0		24.92		26.5	0.5
100	16QAM	1	1		24.79		26.5	0.5
100	64QAM	1	1		23.83		25.0	2.0
100	256QAM	1	1		21.54		22.5	4.5
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	25.98	26.18	25.93	27.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	25.98	26.16	25.92	27.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	25.95	26.19	26.08	27.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	25.89	26.06	26.08	27.0	0.0
Channel				631668	633334	635002	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	25.85	26.17	25.93	27.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	25.92	26.08	26.03	27.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	25.88	26.02	26.02	27.0	0.0
Channel				630668	633334	636002	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	25.96	26.02	25.99	27.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		22.79		24.0	0.0
100	PI/2 BPSK	1	137		22.88			
100	PI/2 BPSK	1	271		22.64			
100	PI/2 BPSK	135	0		22.39		23.5	0.5
100	PI/2 BPSK	135	69		22.78		24.0	0.0
100	PI/2 BPSK	135	138		22.34		23.5	0.5
100	PI/2 BPSK	270	0		22.35			
100	QPSK	1	1		22.92		24.0	0.0
100	QPSK	1	137		22.87			
100	QPSK	1	271		22.88			
100	QPSK	135	0		21.83		23.0	1.0
100	QPSK	135	69		22.75		24.0	0.0
100	QPSK	135	138		21.84		23.0	1.0
100	QPSK	270	0		21.78			
100	16QAM	1	1		22.14		23.0	1.0
100	64QAM	1	1		20.54		21.5	2.5
100	256QAM	1	1		18.29		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	22.69	22.77	22.72	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	22.52	22.82	22.74	24.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	22.53	22.85	22.82	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	22.63	22.82	22.88	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	22.73	22.82	22.70	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	22.51	22.72	22.69	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	22.73	22.88	22.68	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	22.57	22.76	22.81	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3505.01			
100	PI/2 BPSK	1	1		22.87		24.0	0.0
100	PI/2 BPSK	1	137		22.79			
100	PI/2 BPSK	1	271		22.74			
100	PI/2 BPSK	135	0		22.27		23.5	0.5
100	PI/2 BPSK	135	69		22.76		24.0	0.0
100	PI/2 BPSK	135	138		22.32		23.5	0.5
100	PI/2 BPSK	270	0		22.16			
100	QPSK	1	1		22.89		24.0	0.0
100	QPSK	1	137		22.78			
100	QPSK	1	271		22.85			
100	QPSK	135	0		21.69		23.0	1.0
100	QPSK	135	69		22.84		24.0	0.0
100	QPSK	135	138		21.77		23.0	1.0
100	QPSK	270	0		21.70			
100	16QAM	1	1		22.11		23.0	1.0
100	64QAM	1	1		20.54		21.5	2.5
100	256QAM	1	1		18.12		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	22.58	22.65	22.56	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	22.66	22.71	22.63	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	22.55	22.56	22.64	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	22.56	22.58	22.67	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	22.62	22.68	22.69	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	22.66	22.58	22.55	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	22.53	22.63	22.58	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	22.65	22.57	22.51	24.0	0.0

Par27O n77 Ant7_PC3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	22.54	22.56	22.42	24.0	0.0
100	PI/2 BPSK	1	137	22.29	22.59	22.40		
100	PI/2 BPSK	1	271	22.40	22.55	22.34		
100	PI/2 BPSK	135	0	22.25	22.45	22.33		
100	PI/2 BPSK	135	69	22.37	22.38	22.32		
100	PI/2 BPSK	135	138	22.29	22.34	22.25		
100	PI/2 BPSK	270	0	22.38	22.44	22.22		
100	QPSK	1	1	22.54	22.74	22.56	24.0	0.0
100	QPSK	1	137	22.52	22.41	22.41		
100	QPSK	1	271	22.50	22.69	22.53		
100	QPSK	135	0	22.28	22.53	22.33		
100	QPSK	135	69	22.29	22.48	22.29		
100	QPSK	135	138	22.19	22.29	22.14		
100	QPSK	270	0	22.12	22.17	22.08		
100	16QAM	1	1	22.48	22.48	22.46		
100	64QAM	1	1	21.70	21.62	21.62		
100	256QAM	1	1	19.69	19.65	19.61		
Channel				649668	656000	662234	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.49	22.53	22.45	24.0	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	22.37	22.54	22.39	24.0	0.0
Channel				649002	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	22.54	22.62	22.57	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	22.48	22.71	22.50	24.0	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.44	22.68	22.39	24.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.50	22.56	22.35	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	22.55	22.64	22.54	24.0	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	22.38	22.66	22.51	24.0	0.0

Par27O n77 Ant7_PC2

BW [MHz]	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	25.46	25.57	25.39	27.0	0.0
100	PI/2 BPSK	1	137	25.48	25.46	25.30		
100	PI/2 BPSK	1	271	25.35	25.52	25.38		
100	PI/2 BPSK	135	0	24.89	25.01	25.03	26.5	0.5
100	PI/2 BPSK	135	69	25.30	25.39	25.32	27.0	0.0
100	PI/2 BPSK	135	138	24.75	24.84	24.83	26.5	0.5
100	PI/2 BPSK	270	0	24.72	24.85	24.77	26.5	0.5
100	QPSK	1	1	25.65	25.68	25.49	27.0	0.0
100	QPSK	1	137	25.45	25.45	25.37		
100	QPSK	1	271	25.29	25.37	25.45		
100	QPSK	135	0	25.39	25.41	25.38	26.5	0.5
100	QPSK	135	69	25.12	25.42	25.23	27.0	0.0
100	QPSK	135	138	24.11	24.30	24.31	26.5	0.5
100	QPSK	270	0	24.31	24.37	24.33	26.5	0.5
100	16QAM	1	1	24.65	24.83	24.68	26.5	0.5
100	64QAM	1	1	23.07	23.28	23.08	25.0	2.0
100	256QAM	1	1	20.93	21.11	21.01	22.5	4.5
Channel				649668	656000	662234	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	25.66	25.59	25.49	27.0	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	25.60	25.50	25.49	27.0	0.0
Channel				649002	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	25.46	25.60	25.30	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	25.43	25.53	25.42	27.0	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	25.65	25.57	25.49	27.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	25.56	25.67	25.46	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	25.53	25.58	25.48	27.0	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	25.53	25.55	25.44	27.0	0.0

Part27Q n77_Ant 7_PC3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		22.39		24.0	0.0
100	PI/2 BPSK	1	137		22.49			
100	PI/2 BPSK	1	271		22.38			
100	PI/2 BPSK	135	0		22.34			
100	PI/2 BPSK	135	69		22.29			
100	PI/2 BPSK	135	138		22.32			
100	PI/2 BPSK	270	0		22.36			
100	QPSK	1	1		22.67		24.0	0.0
100	QPSK	1	137		22.41			
100	QPSK	1	271		22.63			
100	QPSK	135	0		22.48			
100	QPSK	135	69		22.43			
100	QPSK	135	138		22.21			
100	QPSK	270	0		22.35			
100	16QAM	1	1		22.45			
100	64QAM	1	1		21.61			
100	256QAM	1	1		19.45			
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.49	22.64	22.51	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	22.48	22.54	22.45	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	22.41	22.59	22.50	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	22.53	22.69	22.52	24.0	0.0
Channel				631666	633334	635002	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	22.51	22.66	22.36	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	22.38	22.54	22.36	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	22.41	22.55	22.54	24.0	0.0
Channel				630668	633334	636002	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.44	22.57	22.39	24.0	0.0

Part27Q n77_Ant 7_PC2

BW [MHz]	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		25.54		27.0	0.0
100	PI/2 BPSK	1	137		25.44			
100	PI/2 BPSK	1	271		25.48			
100	PI/2 BPSK	135	0		24.91		26.5	0.5
100	PI/2 BPSK	135	69		25.32		27.0	0.0
100	PI/2 BPSK	135	138		24.73		26.5	0.5
100	PI/2 BPSK	270	0		24.84		26.5	0.5
100	QPSK	1	1		25.55		27.0	0.0
100	QPSK	1	137		25.30			
100	QPSK	1	271		25.28			
100	QPSK	135	0		25.08		26.5	0.5
100	QPSK	135	69		25.26		27.0	0.0
100	QPSK	135	138		24.85		26.5	0.5
100	QPSK	270	0		24.78		26.5	0.5
100	16QAM	1	1		24.68		26.5	0.5
100	64QAM	1	1		23.17		25.0	2.0
100	256QAM	1	1		21.01		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	25.64	25.43	25.47	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	25.60	25.41	25.37	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	25.45	25.56	25.40	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	25.53	25.55	25.38	27.0	0.0
Channel				631666	633334	635002	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	25.51	25.48	25.36	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	25.55	25.51	25.30	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	25.56	25.52	25.35	27.0	0.0
Channel				630668	633334	636002	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	25.45	25.58	25.38	27.0	0.0

Part27O n78 Ant7_PC3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		22.65		24.0	0.0
100	PI/2 BPSK	1	137		22.59			
100	PI/2 BPSK	1	271		22.61			
100	PI/2 BPSK	135	0		22.43		23.5	0.5
100	PI/2 BPSK	135	69		22.60		24.0	0.0
100	PI/2 BPSK	135	138		22.94		23.5	0.5
100	PI/2 BPSK	270	0		22.18			
100	QPSK	1	1		22.72		24.0	0.0
100	QPSK	1	137		22.85			
100	QPSK	1	271		22.47			
100	QPSK	135	0		21.74		23.0	1.0
100	QPSK	135	69		22.62		24.0	0.0
100	QPSK	135	138		21.58		23.0	1.0
100	QPSK	270	0		21.65			
100	16QAM	1	1		21.97		23.0	1.0
100	64QAM	1	1		20.39		21.5	2.5
100	256QAM	1	1		18.26		19.5	4.5
Channel				649958	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	22.58	22.71	22.61	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	22.47	22.67	22.51	24.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	22.44	22.70	22.65	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	22.55	22.61	22.68	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	22.36	22.54	22.66	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	22.46	22.63	22.48	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	22.57	22.50	22.53	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	22.49	22.56	22.50	24.0	0.0

Part27Q n78_FCC Ant 7_PC3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		22.51		24.0	0.0
100	PI/2 BPSK	1	137		22.38			
100	PI/2 BPSK	1	271		22.57			
100	PI/2 BPSK	135	0		22.46		23.5	0.5
100	PI/2 BPSK	135	69		22.47		24.0	0.0
100	PI/2 BPSK	135	138		21.87		23.5	0.5
100	PI/2 BPSK	270	0		22.14			
100	QPSK	1	1		22.67		24.0	0.0
100	QPSK	1	137		22.51			
100	QPSK	1	271		22.47			
100	QPSK	135	0		22.63		23.0	1.0
100	QPSK	135	69		22.68		24.0	0.0
100	QPSK	135	138		21.50		23.0	1.0
100	QPSK	270	0		21.50			
100	16QAM	1	1		21.89		23.0	1.0
100	64QAM	1	1		20.23		21.5	2.5
100	256QAM	1	1		18.09		19.5	4.5
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
90	QPSK	1	1	22.46	22.57	22.40	24.0	0.0
Channel				632002	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
80	QPSK	1	1	22.46	22.65	22.51	24.0	0.0
Channel				631668	633334	635002	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
70	QPSK	1	1	22.42	22.56	22.51	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
60	QPSK	1	1	22.44	22.53	22.45		
Channel				631002	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
50	QPSK	1	1	22.45	22.54	22.57	24.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.51	3500.01	3537.51		
40	QPSK	1	1	22.47	22.52	22.45	24.0	0.0
Channel				630002	633334	636002	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3450.02	3500.01	3540		
30	QPSK	1	1	22.44	22.64	22.51	24.0	0.0
Channel				629334	633334	637334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3435.01	3500.01	3545.01		
20	QPSK	1	1	22.54	22.65	22.56	24.0	0.0

Reduced Power Level for 5GNR

n2 Ant0 DSI2 Standalone&Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	22.15	22.24	22.17	24.0	0.0
20	PI/2 BPSK	1	53	22.27	22.33	22.26		
20	PI/2 BPSK	1	104	22.19	22.26	22.24		
20	PI/2 BPSK	50	0	22.18	22.33	22.25	24.0	0.0
20	PI/2 BPSK	50	28	22.13	22.31	22.30	24.0	0.0
20	PI/2 BPSK	50	56	22.19	22.26	22.07	24.0	0.0
20	PI/2 BPSK	100	0	22.13	22.22	22.13		
20	QPSK	1	1	22.53	22.55	22.38	24.0	0.0
20	QPSK	1	53	22.05	22.19	22.05		
20	QPSK	1	104	22.25	22.32	22.20		
20	QPSK	50	0	22.16	22.23	22.17	24.0	0.0
20	QPSK	50	28	22.21	22.41	22.25	24.0	0.0
20	QPSK	50	56	22.17	22.35	22.29	24.0	0.0
20	QPSK	100	0	22.21	22.37	22.29		
20	16QAM	1	1	22.40	22.47	22.41	24.0	0.0
20	64QAM	1	1	21.37	21.48	21.31	22.5	1.5
20	256QAM	1	1	19.23	19.26	19.23	20.5	3.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	22.23	22.43	22.24	24.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	22.42	22.41	22.17	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	22.25	22.35	22.16	24.0	0.0

n5 Ant0 DSI2 Standalone&Simultaneous

BW [MHz]	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	22.62	22.68	22.65	24.0	0.0
20	PI/2 BPSK	1	53	22.62	22.63	22.54		
20	PI/2 BPSK	1	104	22.46	22.60	22.41		
20	PI/2 BPSK	50	0	22.50	22.55	22.49	24.0	0.0
20	PI/2 BPSK	50	28	22.64	22.67	22.55	24.0	0.0
20	PI/2 BPSK	50	56	22.50	22.58	22.41	24.0	0.0
20	PI/2 BPSK	100	0	22.45	22.64	22.60		
20	QPSK	1	1	22.63	22.75	22.67	24.0	0.0
20	QPSK	1	53	22.42	22.62	22.44		
20	QPSK	1	104	22.47	22.60	22.55		
20	QPSK	50	0	22.49	22.58	22.41	24.0	0.0
20	QPSK	50	28	22.62	22.65	22.63	24.0	0.0
20	QPSK	50	56	22.50	22.57	22.43	24.0	0.0
20	QPSK	100	0	22.43	22.62	22.42		
20	16QAM	1	1	22.59	22.61	22.52	24.0	0.0
20	64QAM	1	1	21.73	21.91	21.72	22.5	1.5
20	256QAM	1	1	19.64	19.69	19.52	20.5	3.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.48	22.54	22.39	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.46	22.51	22.47	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	22.50	22.45	22.42	24.0	0.0

n66 Ant0 DSI2 Standalone&Simultaneous

BW [MHz]	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	22.20	22.33	22.28	24.0	0.0
40	PI/2 BPSK	1	108	22.16	22.34	22.19		
40	PI/2 BPSK	1	214	22.16	22.35	22.17		
40	PI/2 BPSK	108	0	22.09	22.28	22.26	24.0	0.0
40	PI/2 BPSK	108	54	22.06	22.25	22.08	24.0	0.0
40	PI/2 BPSK	108	108	22.16	22.27	22.17	24.0	0.0
40	PI/2 BPSK	216	0	22.27	22.33	22.16		
40	QPSK	1	1	22.45	22.63	22.58	24.0	0.0
40	QPSK	1	108	22.40	22.53	22.36		
40	QPSK	1	214	22.41	22.49	22.49		
40	QPSK	108	0	22.45	22.47	22.43	24.0	0.0
40	QPSK	108	54	22.14	22.49	22.14	24.0	0.0
40	QPSK	108	108	22.18	22.26	22.25	24.0	0.0
40	QPSK	216	0	22.14	22.26	22.17		
40	16QAM	1	1	22.50	22.51	22.50	24.0	0.0
40	64QAM	1	1	21.63	21.64	21.58	22.5	1.5
40	256QAM	1	1	19.25	19.30	19.17	20.5	3.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	22.20	22.44	22.31	24.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	22.17	22.40	22.43	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	22.19	22.42	22.47	24.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	22.31	22.42	22.30	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	22.25	22.47	22.37	24.0	0.0

n2 Ant1 DSI2 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	16.15	16.23	16.16	17.8	0.0
20	PI/2 BPSK	1	53	16.26	16.28	16.23		
20	PI/2 BPSK	1	104	16.17	16.25	16.13		
20	PI/2 BPSK	50	0	16.18	16.29	16.18	17.8	0.0
20	PI/2 BPSK	50	28	16.22	16.28	16.19	17.8	0.0
20	PI/2 BPSK	50	56	16.15	16.25	16.18	17.8	0.0
20	PI/2 BPSK	100	0	16.19	16.27	16.17		
20	QPSK	1	1	16.29	16.37	16.31	17.8	0.0
20	QPSK	1	53	16.25	16.31	16.24		
20	QPSK	1	104	16.24	16.29	16.24		
20	QPSK	50	0	16.20	16.28	16.24	17.8	0.0
20	QPSK	50	28	16.22	16.31	16.24	17.8	0.0
20	QPSK	50	56	16.18	16.24	16.21	17.8	0.0
20	QPSK	100	0	16.12	16.25	16.16		
20	16QAM	1	1	16.12	16.24	16.19	17.8	0.0
20	64QAM	1	1	16.25	16.34	16.21	17.8	0.0
20	256QAM	1	1	16.11	16.23	16.17	17.8	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	16.22	16.30	16.17	17.8	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	16.21	16.31	16.22	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	16.21	16.28	16.28	17.8	0.0

n5 Ant1 DSI2 Standalone

BW [MHz]	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	22.35	22.36	22.34	23.5	0.0
20	PI/2 BPSK	1	53	22.25	22.30	22.24		
20	PI/2 BPSK	1	104	22.09	22.24	22.14		
20	PI/2 BPSK	50	0	22.05	22.23	22.16	23.5	0.0
20	PI/2 BPSK	50	28	22.31	22.34	22.28	23.5	0.0
20	PI/2 BPSK	50	56	22.08	22.27	22.23	23.5	0.0
20	PI/2 BPSK	100	0	22.28	22.32	22.31		
20	QPSK	1	1	22.52	22.55	22.47	23.5	0.0
20	QPSK	1	53	22.24	22.33	22.23		
20	QPSK	1	104	22.26	22.31	22.31		
20	QPSK	50	0	22.09	22.22	22.05	23.5	0.0
20	QPSK	50	28	22.31	22.33	22.17	23.5	0.0
20	QPSK	50	56	22.20	22.22	22.12	23.5	0.0
20	QPSK	100	0	22.13	22.29	22.15		
20	16QAM	1	1	22.42	22.37	22.42	23.5	0.0
20	64QAM	1	1	21.70	21.73	21.58	22.5	1.0
20	256QAM	1	1	19.24	19.43	19.23	20.5	3.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.36	22.36	22.21	23.5	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.42	22.33	22.28	23.5	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.41	22.25	22.29	23.5	0.0

n66 Ant1 DSI2 Standalone

BW [MHz]	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	16.25	16.32	16.26	17.5	0.0
40	PI/2 BPSK	1	108	16.26	16.37	16.30		
40	PI/2 BPSK	1	214	16.19	16.34	16.32		
40	PI/2 BPSK	108	0	16.16	16.33	16.30	17.5	0.0
40	PI/2 BPSK	108	54	16.21	16.36	16.20	17.5	0.0
40	PI/2 BPSK	108	108	16.15	16.29	16.20	17.5	0.0
40	PI/2 BPSK	216	0	16.21	16.31	16.29		
40	QPSK	1	1	16.36	16.53	16.43	17.5	0.0
40	QPSK	1	108	16.24	16.34	16.25		
40	QPSK	1	214	16.12	16.30	16.24		
40	QPSK	108	0	16.22	16.32	16.19	17.5	0.0
40	QPSK	108	54	16.18	16.35	16.22	17.5	0.0
40	QPSK	108	108	16.25	16.30	16.27	17.5	0.0
40	QPSK	216	0	16.20	16.29	16.19		
40	16QAM	1	1	16.19	16.32	16.28	17.5	0.0
40	64QAM	1	1	16.37	16.47	16.37	17.5	0.0
40	256QAM	1	1	16.23	16.37	16.33	17.5	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	16.28	16.44	16.38	17.5	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	16.26	16.49	16.32	17.5	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	16.28	16.42	16.35	17.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	16.26	16.49	16.38	17.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	16.24	16.44	16.31	17.5	0.0

n2 Ant1 DSI2 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	15.32	15.34	15.30	16.5	0.0
20	PI/2 BPSK	1	53	15.24	15.29	15.24		
20	PI/2 BPSK	1	104	15.21	15.32	15.16		
20	PI/2 BPSK	50	0	15.15	15.26	15.23	16.5	0.0
20	PI/2 BPSK	50	28	15.18	15.29	15.11	16.5	0.0
20	PI/2 BPSK	50	56	15.23	15.27	15.15	16.5	0.0
20	PI/2 BPSK	100	0	15.20	15.23	15.21		
20	QPSK	1	1	15.37	15.46	15.34	16.5	0.0
20	QPSK	1	53	15.16	15.27	15.22		
20	QPSK	1	104	15.18	15.25	15.19		
20	QPSK	50	0	15.25	15.29	15.20	16.5	0.0
20	QPSK	50	28	15.12	15.31	15.10	16.5	0.0
20	QPSK	50	56	15.20	15.26	15.14	16.5	0.0
20	QPSK	100	0	15.11	15.29	15.18		
20	16QAM	1	1	15.38	15.44	15.39	16.5	0.0
20	64QAM	1	1	15.25	15.37	15.26	16.5	0.0
20	256QAM	1	1	15.26	15.33	15.20	16.5	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	15.20	15.35	15.24	16.5	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	15.34	15.38	15.18	16.5	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	15.34	15.33	15.22	16.5	0.0

n5 Ant1 DSI2 Simultaneous

BW [MHz]	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	21.13	21.27	21.20	22.2	0.0
20	PI/2 BPSK	1	53	21.01	21.15	21.06		
20	PI/2 BPSK	1	104	21.15	21.18	21.03		
20	PI/2 BPSK	50	0	21.04	21.19	21.07	22.2	0.0
20	PI/2 BPSK	50	28	21.12	21.25	21.22	22.2	0.0
20	PI/2 BPSK	50	56	21.19	21.28	21.16	22.2	0.0
20	PI/2 BPSK	100	0	21.20	21.23	21.15		
20	QPSK	1	1	21.27	21.34	21.26	22.2	0.0
20	QPSK	1	53	21.05	21.22	21.19		
20	QPSK	1	104	21.13	21.25	21.21		
20	QPSK	50	0	21.17	21.22	21.12	22.2	0.0
20	QPSK	50	28	21.20	21.29	21.20	22.2	0.0
20	QPSK	50	56	21.16	21.23	21.15	22.2	0.0
20	QPSK	100	0	21.11	21.24	21.10		
20	16QAM	1	1	21.25	21.28	21.11	22.2	0.0
20	64QAM	1	1	21.23	21.31	21.16	22.2	0.0
20	256QAM	1	1	19.68	19.84	19.69	20.5	1.7
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	21.20	21.26	21.18	22.2	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	21.24	21.32	21.16	22.2	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	21.11	21.26	21.17	22.2	0.0

n66 Ant1 DSI2 Simultaneous

BW [MHz]	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	14.69	14.85	14.77	16.2	0.0
40	PI/2 BPSK	1	108	14.76	14.87	14.82		
40	PI/2 BPSK	1	214	14.77	14.82	14.74		
40	PI/2 BPSK	108	0	14.75	14.84	14.68	16.2	0.0
40	PI/2 BPSK	108	54	14.73	14.89	14.74	16.2	0.0
40	PI/2 BPSK	108	108	14.88	14.93	14.80	16.2	0.0
40	PI/2 BPSK	216	0	14.78	14.87	14.74		
40	QPSK	1	1	14.96	15.06	14.97	16.2	0.0
40	QPSK	1	108	14.87	14.94	14.80		
40	QPSK	1	214	14.72	14.85	14.71		
40	QPSK	108	0	14.66	14.81	14.64	16.2	0.0
40	QPSK	108	54	14.79	14.94	14.79	16.2	0.0
40	QPSK	108	108	14.84	14.86	14.83	16.2	0.0
40	QPSK	216	0	14.87	14.89	14.80		
40	16QAM	1	1	14.65	14.83	14.74	16.2	0.0
40	64QAM	1	1	14.86	14.97	14.84	16.2	0.0
40	256QAM	1	1	14.84	14.93	14.82	16.2	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	14.75	14.76	14.57	16.2	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	14.75	14.80	14.65	16.2	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	14.65	14.69	14.68	16.2	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	14.64	14.71	14.68	16.2	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	14.69	14.78	14.58	16.2	0.0

Par27O n77 Ant2_PC3 DSI2 Standalone

BW [MHz]	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	19.62	19.63	19.68		
100	PI/2 BPSK	1	137	19.76	19.67	19.76	20.6	0.0
100	PI/2 BPSK	1	271	19.72	19.67	19.63		
100	PI/2 BPSK	135	0	19.64	19.75	19.70	20.6	0.0
100	PI/2 BPSK	135	69	19.74	19.69	19.64	20.6	0.0
100	PI/2 BPSK	135	138	19.69	19.79	19.70	20.6	0.0
100	PI/2 BPSK	270	0	19.72	19.71	19.65		
100	QPSK	1	1	19.67	19.78	19.68		
100	QPSK	1	137	19.62	19.65	19.77	20.6	0.0
100	QPSK	1	271	19.64	19.63	19.58		
100	QPSK	135	0	19.68	19.73	19.72	20.6	0.0
100	QPSK	135	69	19.64	19.62	19.72	20.6	0.0
100	QPSK	135	138	19.68	19.67	19.60	20.6	0.0
100	QPSK	270	0	19.62	19.69	19.68		
100	16QAM	1	1	19.64	19.64	19.69	20.6	0.0
100	64QAM	1	1	19.62	19.68	19.74	20.6	0.0
100	256QAM	1	1	19.62	19.63	19.73	20.6	0.0
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	QPSK	1	1	19.47	19.62	19.47	20.6	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	QPSK	1	1	19.53	19.56	19.42	20.6	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	19.47	19.65	19.57	20.6	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	QPSK	1	1	19.40	19.68	19.49	20.6	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	QPSK	1	1	19.37	19.60	19.43	20.6	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	19.39	19.64	19.47	20.6	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98		
30	QPSK	1	1	19.38	19.55	19.45	20.6	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	QPSK	1	1	19.41	19.62	19.41	20.6	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	22.08	22.36	22.39		
100	PI/2 BPSK	1	137	22.33	22.58	22.29	23.6	0.0
100	PI/2 BPSK	1	271	22.35	22.47	22.50		
100	PI/2 BPSK	135	0	22.60	22.71	22.50	23.6	0.0
100	PI/2 BPSK	135	69	22.32	22.44	22.46	23.6	0.0
100	PI/2 BPSK	135	138	22.21	22.40	22.19	23.6	0.0
100	PI/2 BPSK	270	0	22.26	22.52	22.34	23.6	0.0
100	QPSK	1	1	22.43	23.09	22.48		
100	QPSK	1	137	22.48	22.46	22.44	23.6	0.0
100	QPSK	1	271	22.26	22.36	22.29		
100	QPSK	135	0	22.33	22.36	22.33	23.6	0.0
100	QPSK	135	69	22.30	22.37	22.26	23.6	0.0
100	QPSK	135	138	22.25	22.36	22.34	23.6	0.0
100	QPSK	270	0	22.48	22.61	22.58	23.6	0.0
100	16QAM	1	1	22.64	22.66	22.30	23.6	0.0
100	64QAM	1	1	22.42	22.40	22.35	23.6	0.0
100	256QAM	1	1	20.52	20.66	20.49	21.6	2.0
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	QPSK	1	1	22.65	22.84	22.82	23.6	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	QPSK	1	1	22.81	22.85	22.89	23.6	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	22.79	22.90	23.00	23.6	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	QPSK	1	1	22.77	22.93	22.87	23.6	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	QPSK	1	1	22.74	22.87	22.84	23.6	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.82	22.95	22.97	23.6	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98		
30	QPSK	1	1	22.87	22.84	22.77	23.6	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	QPSK	1	1	22.82	22.79	22.65	23.6	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.83			
100	PI/2 BPSK	1	137		19.78		20.6	0.0
100	PI/2 BPSK	1	271		19.76			
100	PI/2 BPSK	135	0		19.99			
100	PI/2 BPSK	135	69		19.88		20.6	0.0
100	PI/2 BPSK	135	138		19.74			
100	PI/2 BPSK	270	0		19.88		20.6	0.0
100	QPSK	1	1		20.21			
100	QPSK	1	137		19.99		20.6	0.0
100	QPSK	1	271		20.17			
100	QPSK	135	0		19.86			
100	QPSK	135	69		19.97		20.6	0.0
100	QPSK	135	138		19.82			
100	QPSK	270	0		19.87		20.6	0.0
100	16QAM	1	1		19.86		20.6	0.0
100	64QAM	1	1		18.71		19.6	1.0
100	256QAM	1	1		16.82		17.6	3.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	20.04	20.19	19.88	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	20.17	20.16	19.99	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	20.15	20.19	20.03	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	20.16	20.13	19.88	20.6	0.0
Channel				631666	633334	635002	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.15	20.06	19.97	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	20.05	20.04	20.04	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	20.05	20.21	19.93	20.6	0.0
Channel				630666	633334	636002	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.04	20.11	19.96	20.6	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		23.01			
100	PI/2 BPSK	1	137		23.14		23.6	0.0
100	PI/2 BPSK	1	271		23.16			
100	PI/2 BPSK	135	0		22.50		23.6	0.0
100	PI/2 BPSK	135	69		23.06		23.6	0.0
100	PI/2 BPSK	135	138		22.63		23.6	0.0
100	PI/2 BPSK	270	0		22.36		23.6	0.0
100	QPSK	1	1		22.38			
100	QPSK	1	137		23.04		23.6	0.0
100	QPSK	1	271		23.00			
100	QPSK	135	0		23.02		23.6	0.0
100	QPSK	135	69		23.04		23.6	0.0
100	QPSK	135	138		22.85		23.6	0.0
100	QPSK	270	0		22.92		23.6	0.0
100	16QAM	1	1		22.79		23.6	0.0
100	64QAM	1	1		20.83		21.6	2.0
100	256QAM	1	1		18.54		19.1	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	22.98	22.93	23.6	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.98	22.74	22.92	23.6	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.95	22.76	22.78	23.6	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	22.89	22.84	22.69	23.6	0.0
Channel				631666	633334	635002	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	22.85	22.84	22.86	23.6	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.92	22.87	22.96	23.6	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	22.88	22.86	22.88	23.6	0.0
Channel				630666	633334	636002	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.32	22.59	22.33	23.6	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		19.43		20.6	0.0
100	PI/2 BPSK	1	137		19.41			
100	PI/2 BPSK	1	271		19.35			
100	PI/2 BPSK	135	0		19.40		20.6	0.0
100	PI/2 BPSK	135	69		19.42		20.6	0.0
100	PI/2 BPSK	135	138		19.35		20.6	0.0
100	PI/2 BPSK	270	0		19.37			
100	QPSK	1	1		19.54		20.6	0.0
100	QPSK	1	137		19.43			
100	QPSK	1	271		19.46			
100	QPSK	135	0		19.39		20.3	0.3
100	QPSK	135	69		19.42		20.6	0.0
100	QPSK	135	138		19.38		20.3	0.3
100	QPSK	270	0		19.36			
100	16QAM	1	1		19.33		20.3	0.3
100	64QAM	1	1		17.19		18.8	1.8
100	256QAM	1	1		15.12		16.8	3.8
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	19.89	19.98	19.76	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	19.74	19.90	19.69	20.6	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	19.88	19.72	19.71	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	19.60	19.95	19.75	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	19.90	19.77	19.93	20.6	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	19.78	19.84	19.68	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	19.86	19.84	19.66	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	19.83	19.94	19.79	20.6	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3505.01			
100	PI/2 BPSK	1	1		19.65		20.6	0.0
100	PI/2 BPSK	1	137		19.60			
100	PI/2 BPSK	1	271		19.59			
100	PI/2 BPSK	135	0		19.59		20.6	0.0
100	PI/2 BPSK	135	69		19.66		20.6	0.0
100	PI/2 BPSK	135	138		19.50		20.6	0.0
100	PI/2 BPSK	270	0		19.64			
100	QPSK	1	1		19.69		20.6	0.0
100	QPSK	1	137		19.59			
100	QPSK	1	271		19.55			
100	QPSK	135	0		19.62		20.3	0.3
100	QPSK	135	69		19.67		20.6	0.0
100	QPSK	135	138		19.48		20.3	0.3
100	QPSK	270	0		19.58			
100	16QAM	1	1		19.19		20.3	0.3
100	64QAM	1	1		17.84		18.8	1.8
100	256QAM	1	1		16.23		16.8	3.8
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.51	19.55	19.50	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	19.61	19.55	19.48	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	19.38	19.56	19.63	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	19.52	19.68	19.42	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	19.55	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	19.49	19.43	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	19.65	19.58	19.37	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	19.47	19.55	19.58	20.6	0.0

Par27O n77 Ant2_PC3 DSI2 Simultaneous

BW [MHz]	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	18.19	18.38	18.26		
100	PI/2 BPSK	1	137	18.26	18.39	18.12	19.3	0.0
100	PI/2 BPSK	1	271	18.31	18.29	18.36		
100	PI/2 BPSK	135	0	18.17	18.24	18.17	19.3	0.0
100	PI/2 BPSK	135	69	18.36	18.27	18.28	19.3	0.0
100	PI/2 BPSK	135	138	18.12	18.04	18.11	19.3	0.0
100	PI/2 BPSK	270	0	18.57	18.19	18.34		
100	QPSK	1	1	18.44	18.67	18.60		
100	QPSK	1	137	18.36	18.47	18.39	19.3	0.0
100	QPSK	1	271	18.49	18.49	18.47		
100	QPSK	135	0	18.25	18.32	18.12	19.3	0.0
100	QPSK	135	69	18.19	18.36	18.19	19.3	0.0
100	QPSK	135	138	18.17	18.26	18.34	19.3	0.0
100	QPSK	270	0	18.17	18.26	18.24		
100	16QAM	1	1	18.14	18.08	18.16	19.3	0.0
100	64QAM	1	1	18.34	18.35	18.36	19.3	0.0
100	256QAM	1	1	18.29	18.46	18.37	19.3	0.0
Channel				649668	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3934.98	(dBm)	(dB)
90	QPSK	1	1	18.24	19.21	18.35	19.3	0.0
Channel				649334	656000	662666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3939.99	(dBm)	(dB)
80	QPSK	1	1	18.17	19.17	18.31	19.3	0.0
Channel				649002	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	18.20	19.09	18.38	19.3	0.0
Channel				648668	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	18.22	19.12	18.32	19.3	0.0
Channel				648334	656000	663666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)
50	QPSK	1	1	18.19	19.08	18.35	19.3	0.0
Channel				648002	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	18.21	19.17	18.31	19.3	0.0
Channel				647668	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3964.98	(dBm)	(dB)
30	QPSK	1	1	18.20	19.09	18.44	19.3	0.0
Channel				647334	656000	664666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	18.33	19.15	18.39	19.3	0.0

Par27O n77 Ant2_PC2 DSI2 Simultaneous

BW [MHz]	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	20.95	21.17	20.84		
100	PI/2 BPSK	1	137	20.98	21.13	20.77	22.3	0.0
100	PI/2 BPSK	1	271	20.94	21.15	20.78		
100	PI/2 BPSK	135	0	20.92	21.12	20.83	22.3	0.0
100	PI/2 BPSK	135	69	20.87	21.11	20.75	22.3	0.0
100	PI/2 BPSK	135	138	21.07	21.12	20.82	22.3	0.0
100	PI/2 BPSK	270	0	21.07	21.10	20.87		
100	QPSK	1	1	21.03	21.82	20.87		
100	QPSK	1	137	20.94	21.08	20.71	22.3	0.0
100	QPSK	1	271	21.00	21.10	20.77		
100	QPSK	135	0	21.01	21.05	20.70	22.3	0.0
100	QPSK	135	69	20.87	21.09	20.71	22.3	0.0
100	QPSK	135	138	20.97	20.23	20.66	22.3	0.0
100	QPSK	270	0	20.34	20.36	20.29	22.3	0.0
100	16QAM	1	1	20.99	20.22	20.77	22.3	0.0
100	64QAM	1	1	20.90	20.19	20.82	22.3	0.0
100	256QAM	1	1	19.70	19.85	19.81	21.3	1.0
Channel				649668	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3934.98	(dBm)	(dB)
90	QPSK	1	1	21.98	22.18	21.74	22.3	0.0
Channel				649334	656000	662666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3939.99	(dBm)	(dB)
80	QPSK	1	1	22.00	22.20	21.82	22.3	0.0
Channel				649002	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	21.97	22.17	21.91	22.3	0.0
Channel				648668	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3949.98	(dBm)	(dB)
60	QPSK	1	1	22.01	22.21	21.77	22.3	0.0
Channel				648334	656000	663666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)
50	QPSK	1	1	21.93	22.13	21.88	22.3	0.0
Channel				648002	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	21.96	22.16	21.91	22.3	0.0
Channel				647668	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3964.98	(dBm)	(dB)
30	QPSK	1	1	21.94	22.14	21.93	22.3	0.0
Channel				647334	656000	664666	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)
20	QPSK	1	1	21.93	22.13	21.87	22.3	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		18.38			
100	PI/2 BPSK	1	137		18.37		19.3	0.0
100	PI/2 BPSK	1	271		18.29			
100	PI/2 BPSK	135	0		18.24			
100	PI/2 BPSK	135	69		18.27		19.3	0.0
100	PI/2 BPSK	135	138		18.04			
100	PI/2 BPSK	270	0		18.19		19.3	0.0
100	QPSK	1	1		18.67			
100	QPSK	1	137		18.47		19.3	0.0
100	QPSK	1	271		18.49			
100	QPSK	135	0		18.32			
100	QPSK	135	69		18.36		19.3	0.0
100	QPSK	135	138		18.26			
100	QPSK	270	0		18.26		19.3	0.0
100	16QAM	1	1		18.08		19.3	0.0
100	64QAM	1	1		18.35		19.3	0.0
100	256QAM	1	1		18.46		18.3	1.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	18.17	19.17	18.31	19.3	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	18.24	19.21	18.35	19.3	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	18.20	19.09	18.38	19.3	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	18.22	19.12	18.32	19.3	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	18.19	19.08	18.35	19.3	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	18.21	19.17	18.31	19.3	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	18.33	19.15	18.39	19.3	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	18.20	19.09	18.44	19.3	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.37			
100	PI/2 BPSK	1	137		21.36		22.3	0.0
100	PI/2 BPSK	1	271		21.34			
100	PI/2 BPSK	135	0		21.32		22.3	0.0
100	PI/2 BPSK	135	69		21.30		22.3	0.0
100	PI/2 BPSK	135	138		21.26		22.3	0.0
100	PI/2 BPSK	270	0		21.40		22.3	0.0
100	QPSK	1	1		21.42			
100	QPSK	1	137		21.38		22.3	0.0
100	QPSK	1	271		21.40			
100	QPSK	135	0		21.35		22.3	0.0
100	QPSK	135	69		21.30		22.3	0.0
100	QPSK	135	138		20.53		22.3	0.0
100	QPSK	270	0		20.66		22.3	0.0
100	16QAM	1	1		20.62		22.3	0.0
100	64QAM	1	1		20.49		20.8	1.5
100	256QAM	1	1		20.15		19.8	2.5
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	22.00	22.20	21.82	22.3	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	21.97	22.17	21.91	22.3	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	21.98	22.18	21.74	22.3	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	22.01	22.21	21.77	22.3	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	21.93	22.13	21.88	22.3	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	21.96	22.16	21.91	22.3	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	21.93	22.13	21.87	22.3	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	21.94	22.14	21.93	22.3	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		18.36			
100	PI/2 BPSK	1	137		18.37		19.3	0.0
100	PI/2 BPSK	1	271		18.27			
100	PI/2 BPSK	135	0		18.22		19.3	0.0
100	PI/2 BPSK	135	69		18.25		19.3	0.0
100	PI/2 BPSK	135	138		18.02		19.3	0.0
100	PI/2 BPSK	270	0		18.17			
100	QPSK	1	1		18.65			
100	QPSK	1	137		18.45		19.3	0.0
100	QPSK	1	271		18.47			
100	QPSK	135	0		18.30		19.3	0.0
100	QPSK	135	69		18.34		19.3	0.0
100	QPSK	135	138		18.24		19.3	0.0
100	QPSK	270	0		18.24			
100	16QAM	1	1		18.08		19.3	0.0
100	64QAM	1	1		18.33		18.8	0.5
100	256QAM	1	1		18.44		16.8	2.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	18.71	18.45	18.73	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	18.52	18.82	18.73	19.3	0.0
Channel				649002	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	18.74	18.47	18.72	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	18.64	18.50	18.68	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	18.48	18.61	18.78	19.3	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	18.50	18.71	18.75	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	18.63	18.80	18.68	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	18.62	18.72	18.59	19.3	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		18.36			
100	PI/2 BPSK	1	137		18.37		19.3	0.0
100	PI/2 BPSK	1	271		18.27			
100	PI/2 BPSK	135	0		18.22		19.3	0.0
100	PI/2 BPSK	135	69		18.25		19.3	0.0
100	PI/2 BPSK	135	138		18.02		19.3	0.0
100	PI/2 BPSK	270	0		18.17			
100	QPSK	1	1		18.65			
100	QPSK	1	137		18.45		19.3	0.0
100	QPSK	1	271		18.47			
100	QPSK	135	0		18.30		19.3	0.0
100	QPSK	135	69		18.34		19.3	0.0
100	QPSK	135	138		18.24		19.3	0.0
100	QPSK	270	0		18.24			
100	16QAM	1	1		18.08		19.3	0.0
100	64QAM	1	1		18.33		18.8	0.5
100	256QAM	1	1		18.44		16.8	2.5
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
90	QPSK	1	1	18.52	18.82	18.73	19.3	0.0
Channel				632002	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
80	QPSK	1	1	18.71	18.45	18.73	19.3	0.0
Channel				631668	633334	635002	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
70	QPSK	1	1	18.47	18.72	18.64	19.3	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
60	QPSK	1	1	18.74	18.50	18.68	19.3	0.0
Channel				631002	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
50	QPSK	1	1	18.62	18.72	18.59	19.3	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.51	3500.01	3537.51		
40	QPSK	1	1	18.48	18.61	18.78	19.3	0.0
Channel				629668	633334	636668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3440.02	3500.01	3540		
30	QPSK	1	1	18.63	18.80	18.68	19.3	0.0
Channel				629334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3435.01	3500.01	3545.01		
20	QPSK	1	1	18.50	18.71	18.75	19.3	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	22.54	22.56	22.42	24.0	0.0
100	PI/2 BPSK	1	137	22.29	22.59	22.40		
100	PI/2 BPSK	1	271	22.40	22.55	22.34		
100	PI/2 BPSK	135	0	22.25	22.45	22.33	24.0	0.0
100	PI/2 BPSK	135	69	22.37	22.38	22.32	24.0	0.0
100	PI/2 BPSK	135	138	22.29	22.34	22.25	24.0	0.0
100	PI/2 BPSK	270	0	22.38	22.44	22.22		
100	QPSK	1	1	22.54	22.74	22.56	24.0	0.0
100	QPSK	1	137	22.52	22.41	22.41		
100	QPSK	1	271	22.50	22.69	22.53		
100	QPSK	135	0	22.28	22.43	22.33	24.0	0.0
100	QPSK	135	69	22.29	22.48	22.29	24.0	0.0
100	QPSK	135	138	22.19	22.29	22.14	24.0	0.0
100	QPSK	270	0	22.12	22.17	22.08		
100	16QAM	1	1	22.48	22.48	22.46	24.0	0.0
100	64QAM	1	1	21.70	21.62	21.62	23.0	1.0
100	256QAM	1	1	19.69	19.65	19.61	21.0	3.0
Channel				649668	656000	662234	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.49	22.53	22.45	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	22.37	22.54	22.39	24.0	0.0
Channel				649002	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	22.54	22.62	22.57	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	22.48	22.71	22.50	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	22.44	22.68	22.39	24.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.50	22.56	22.35	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	22.55	22.64	22.54	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	22.38	22.66	22.51	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	25.46	25.57	25.39	27.0	0.0
100	PI/2 BPSK	1	137	25.48	25.46	25.30		
100	PI/2 BPSK	1	271	25.35	25.52	25.38		
100	PI/2 BPSK	135	0	24.89	25.01	25.03	27.0	0.0
100	PI/2 BPSK	135	69	25.30	25.39	25.32	27.0	0.0
100	PI/2 BPSK	135	138	25.25	25.34	25.26	27.0	0.0
100	PI/2 BPSK	270	0	25.27	25.33	25.27	27.0	0.0
100	QPSK	1	1	25.65	25.68	25.49	27.0	0.0
100	QPSK	1	137	25.45	25.45	25.37		
100	QPSK	1	271	25.29	25.37	25.45		
100	QPSK	135	0	25.39	25.41	25.38	27.0	0.0
100	QPSK	135	69	25.12	25.42	25.23	27.0	0.0
100	QPSK	135	138	25.13	25.14	25.12	27.0	0.0
100	QPSK	270	0	25.21	25.37	25.23	27.0	0.0
100	16QAM	1	1	25.25	25.35	25.26	27.0	0.0
100	64QAM	1	1	23.07	23.28	23.08	25.0	2.0
100	256QAM	1	1	20.93	21.11	21.01	22.5	4.5
Channel				649668	656000	662234	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	25.66	25.59	25.49	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	25.60	25.50	25.49	27.0	0.0
Channel				649002	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	25.46	25.60	25.30	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	25.43	25.53	25.42	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	25.65	25.57	25.49	27.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	25.56	25.67	25.46	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	25.53	25.58	25.48	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	25.53	25.55	25.44	27.0	0.0

Part27Q n77_Ant 7_PC3 DSI2 Standalone&Simultaneous

BW [MHz]	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		22.39		24.0	0.0
100	PI/2 BPSK	1	137		22.49			
100	PI/2 BPSK	1	271		22.38			
100	PI/2 BPSK	135	0		22.34			
100	PI/2 BPSK	135	69		22.29		24.0	0.0
100	PI/2 BPSK	135	138		22.32			
100	PI/2 BPSK	270	0		22.36		24.0	0.0
100	QPSK	1	1		22.67		24.0	0.0
100	QPSK	1	137		22.41			
100	QPSK	1	271		22.63			
100	QPSK	135	0		22.41		24.0	0.0
100	QPSK	135	69		22.43			
100	QPSK	135	138		22.21			
100	QPSK	270	0		22.35		24.0	0.0
100	16QAM	1	1		22.45		24.0	0.0
100	64QAM	1	1		21.61		23.0	1.0
100	256QAM	1	1		19.45		21.0	3.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.49	22.64	22.51	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	22.48	22.54	22.45	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	22.41	22.59	22.50	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	22.53	22.69	22.52	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	22.51	22.66	22.36	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	22.38	22.54	22.36	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	22.41	22.55	22.54	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	22.44	22.57	22.39	24.0	0.0

Part27Q n77_Ant 7_PC2 DSI2 Standalone&Simultaneous

BW [MHz]	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		25.54		27.0	0.0
100	PI/2 BPSK	1	137		25.44			
100	PI/2 BPSK	1	271		25.48			
100	PI/2 BPSK	135	0		24.91		26.5	0.5
100	PI/2 BPSK	135	69		25.32		27.0	0.0
100	PI/2 BPSK	135	138		24.73		26.5	0.5
100	PI/2 BPSK	270	0		24.84		26.5	0.5
100	QPSK	1	1		25.55		27.0	0.0
100	QPSK	1	137		25.30			
100	QPSK	1	271		25.28			
100	QPSK	135	0		25.08		26.5	0.5
100	QPSK	135	69		25.26		27.0	0.0
100	QPSK	135	138		24.85		26.5	0.5
100	QPSK	270	0		24.78		26.5	0.5
100	16QAM	1	1		24.68		26.5	0.5
100	64QAM	1	1		23.17		25.0	2.0
100	256QAM	1	1		21.01		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	25.64	25.43	25.47	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	25.60	25.41	25.37	27.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	25.45	25.56	25.40	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	25.53	25.55	25.38	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	25.51	25.48	25.36	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	25.55	25.51	25.30	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	25.56	25.52	25.35	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	25.45	25.58	25.38	27.0	0.0

Part27O n78 Ant7_PC3 DSI2 Standalone&Simultaneous

BW [MHz]	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		22.85		24.0	0.0
100	PI/2 BPSK	1	137		22.59			
100	PI/2 BPSK	1	271		22.61			
100	PI/2 BPSK	135	0		22.43		23.5	0.5
100	PI/2 BPSK	135	69		22.60		24.0	0.0
100	PI/2 BPSK	135	138		22.04		23.5	0.5
100	PI/2 BPSK	270	0		22.18			
100	QPSK	1	1		22.72		24.0	0.0
100	QPSK	1	137		22.65			
100	QPSK	1	271		22.47			
100	QPSK	135	0		21.74		23.0	1.0
100	QPSK	135	69		22.62		24.0	0.0
100	QPSK	135	138		21.58		23.0	1.0
100	QPSK	270	0		21.65			
100	16QAM	1	1		21.97		23.0	1.0
100	64QAM	1	1		20.39		21.5	2.5
100	256QAM	1	1		18.28		19.5	4.5
Channel				649668	650002	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	22.58	22.71	22.61	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	22.47	22.67	22.51	24.0	0.0
Channel				649002	650002	651002	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	22.44	22.70	22.66	24.0	0.0
Channel				648668	650002	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	22.55	22.61	22.68	24.0	0.0
Channel				648334	650002	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	22.36	22.54	22.66	24.0	0.0
Channel				648002	650002	652002	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	22.46	22.63	22.48	24.0	0.0
Channel				647668	650002	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	22.57	22.50	22.53	24.0	0.0
Channel				647334	650002	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	22.49	22.56	22.50	24.0	0.0

Part27Q n78_FCC Ant 7_PC3 DSI2 Standalone&Simultaneous

BW [MHz]	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		22.51		24.0	0.0
100	PI/2 BPSK	1	137		22.38			
100	PI/2 BPSK	1	271		22.57			
100	PI/2 BPSK	135	0		22.46		23.5	0.5
100	PI/2 BPSK	135	69		22.47		24.0	0.0
100	PI/2 BPSK	135	138		21.87		23.5	0.5
100	PI/2 BPSK	270	0		22.14			
100	QPSK	1	1		22.66		24.0	0.0
100	QPSK	1	137		22.51			
100	QPSK	1	271		22.47			
100	QPSK	135	0		22.63		23.0	1.0
100	QPSK	135	69		22.68		24.0	0.0
100	QPSK	135	138		21.50		23.0	1.0
100	QPSK	270	0		21.50			
100	16QAM	1	1		21.89		23.0	1.0
100	64QAM	1	1		20.23		21.5	2.5
100	256QAM	1	1		18.09		19.5	4.5
Channel				632534	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
90	QPSK	1	1	22.40	22.57	22.40	24.0	0.0
Channel				632202	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
80	QPSK	1	1	22.46	22.65	22.51	24.0	0.0
Channel				631868	633334	635002	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
70	QPSK	1	1	22.42	22.56	22.51	24.0	0.0
Channel				631534	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
60	QPSK	1	1	22.44	22.53	22.45	24.0	0.0
Channel				631202	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
50	QPSK	1	1	22.45	22.54	22.57	24.0	0.0
Channel				630934	633334	635934	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
40	QPSK	1	1	22.47	22.52	22.45	24.0	0.0
Channel				630668	633334	636002	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
30	QPSK	1	1	22.44	22.64	22.51	24.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
20	QPSK	1	1	22.54	22.65	22.56	24.0	0.0

n2 Ant0 DSI3 standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	18.34	18.41	18.37	19.7	0.0
20	PI/2 BPSK	1	53	18.31	18.39	18.25		
20	PI/2 BPSK	1	104	18.31	18.46	18.37		
20	PI/2 BPSK	50	0	18.28	18.34	18.20	19.7	0.0
20	PI/2 BPSK	50	28	18.22	18.31	18.21	19.7	0.0
20	PI/2 BPSK	50	56	18.24	18.35	18.23	19.7	0.0
20	PI/2 BPSK	100	0	18.20	18.31	18.16		
20	QPSK	1	1	18.61	18.67	18.58	19.7	0.0
20	QPSK	1	53	18.39	18.47	18.39		
20	QPSK	1	104	18.33	18.41	18.35		
20	QPSK	50	0	18.36	18.44	18.32	19.7	0.0
20	QPSK	50	28	18.31	18.45	18.34	19.7	0.0
20	QPSK	50	56	18.23	18.39	18.35	19.7	0.0
20	QPSK	100	0	18.27	18.43	18.29		
20	16QAM	1	1	18.34	18.45	18.36	19.7	0.0
20	64QAM	1	1	18.51	18.63	18.56	19.7	0.0
20	256QAM	1	1	18.47	18.59	18.54	19.7	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	18.47	18.54	18.48	19.7	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	18.49	18.48	18.54	19.7	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	18.49	18.46	18.45	19.7	0.0

n5 Ant0 DSI3 standalone

BW [MHz]	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	22.62	22.68	22.65	24.0	0.0
20	PI/2 BPSK	1	53	22.62	22.63	22.54		
20	PI/2 BPSK	1	104	22.46	22.60	22.41		
20	PI/2 BPSK	50	0	22.50	22.55	22.49	24.0	0.0
20	PI/2 BPSK	50	28	22.64	22.67	22.55	24.0	0.0
20	PI/2 BPSK	50	56	22.50	22.56	22.41	24.0	0.0
20	PI/2 BPSK	100	0	22.45	22.64	22.60		
20	QPSK	1	1	22.63	22.75	22.67	24.0	0.0
20	QPSK	1	53	22.42	22.62	22.44		
20	QPSK	1	104	22.47	22.60	22.55		
20	QPSK	50	0	22.49	22.58	22.41	24.0	0.0
20	QPSK	50	28	22.62	22.65	22.63	24.0	0.0
20	QPSK	50	56	22.50	22.57	22.43	24.0	0.0
20	QPSK	100	0	22.43	22.62	22.42		
20	16QAM	1	1	22.59	22.61	22.52	24.0	0.0
20	64QAM	1	1	21.73	21.91	21.72	22.5	1.5
20	256QAM	1	1	19.64	19.69	19.52	20.5	3.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.48	22.54	22.39	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.46	22.51	22.47	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	22.50	22.45	22.42	24.0	0.0

n66 Ant0 DSI3 standalone

BW [MHz]	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	18.51	18.54	18.46	19.6	0.0
40	PI/2 BPSK	1	108	18.57	18.61	18.54		
40	PI/2 BPSK	1	214	18.40	18.47	18.31		
40	PI/2 BPSK	108	0	18.43	18.54	18.47	19.6	0.0
40	PI/2 BPSK	108	54	18.31	18.45	18.34	19.6	0.0
40	PI/2 BPSK	108	108	18.39	18.55	18.48	19.6	0.0
40	PI/2 BPSK	216	0	18.34	18.50	18.47		
40	QPSK	1	1	18.57	18.68	18.65	19.6	0.0
40	QPSK	1	108	18.45	18.55	18.49		
40	QPSK	1	214	18.41	18.51	18.39		
40	QPSK	108	0	18.33	18.49	18.35	19.6	0.0
40	QPSK	108	54	18.40	18.60	18.48	19.6	0.0
40	QPSK	108	108	18.48	18.52	18.50	19.6	0.0
40	QPSK	216	0	18.38	18.53	18.46		
40	16QAM	1	1	18.60	18.65	18.48	19.6	0.0
40	64QAM	1	1	18.46	18.57	18.49	19.6	0.0
40	256QAM	1	1	18.39	18.46	18.38	19.6	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	18.47	18.57	18.55	19.6	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	18.44	18.54	18.50	19.6	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	18.54	18.64	18.57	19.6	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	18.46	18.58	18.58	19.6	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	18.53	18.57	18.54	19.6	0.0

n2 Ant0 DSI3 simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	14.40	14.48	14.43	15.7	0.0
20	PI/2 BPSK	1	53	14.35	14.45	14.36		
20	PI/2 BPSK	1	104	14.39	14.41	14.39		
20	PI/2 BPSK	50	0	14.27	14.39	14.34	15.7	0.0
20	PI/2 BPSK	50	28	14.28	14.38	14.31	15.7	0.0
20	PI/2 BPSK	50	56	14.28	14.42	14.37	15.7	0.0
20	PI/2 BPSK	100	0	14.28	14.40	14.35		
20	QPSK	1	1	14.49	14.62	14.56	15.7	0.0
20	QPSK	1	53	14.32	14.43	14.33		
20	QPSK	1	104	14.33	14.39	14.33		
20	QPSK	50	0	14.29	14.38	14.36	15.7	0.0
20	QPSK	50	28	14.36	14.43	14.28	15.7	0.0
20	QPSK	50	56	14.25	14.37	14.28	15.7	0.0
20	QPSK	100	0	14.34	14.41	14.28		
20	16QAM	1	1	14.48	14.57	14.44	15.7	0.0
20	64QAM	1	1	14.49	14.55	14.46	15.7	0.0
20	256QAM	1	1	14.38	14.47	14.45	15.7	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	14.40	14.58	14.53	15.7	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	14.46	14.48	14.51	15.7	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	14.36	14.54	14.44	15.7	0.0

n5 Ant0 DSI3 simultaneous

BW [MHz]	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	21.86	21.92	21.89	23.5	0.0
20	PI/2 BPSK	1	53	21.78	21.87	21.80		
20	PI/2 BPSK	1	104	21.66	21.84	21.81		
20	PI/2 BPSK	50	0	21.70	21.83	21.65	23.5	0.0
20	PI/2 BPSK	50	28	21.77	21.89	21.83	23.5	0.0
20	PI/2 BPSK	50	56	21.75	21.92	21.86	23.5	0.0
20	PI/2 BPSK	100	0	21.83	21.88	21.81		
20	QPSK	1	1	21.97	22.07	21.93	23.5	0.0
20	QPSK	1	53	21.79	21.94	21.88		
20	QPSK	1	104	21.70	21.86	21.79		
20	QPSK	50	0	21.75	21.85	21.74	23.5	0.0
20	QPSK	50	28	21.87	21.95	21.79	23.5	0.0
20	QPSK	50	56	21.78	21.92	21.80	23.5	0.0
20	QPSK	100	0	21.88	21.91	21.82		
20	16QAM	1	1	21.84	22.01	21.96	23.5	0.0
20	64QAM	1	1	21.95	21.97	21.89	23.0	0.5
20	256QAM	1	1	20.03	20.06	19.90	21.0	2.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	21.88	21.90	21.83	23.5	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	21.84	22.02	21.76	23.5	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	21.89	21.96	21.81	23.5	0.0

n66 Ant0 DSI3 simultaneous

BW [MHz]	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	15.33	15.38	15.35	16.7	0.0
40	PI/2 BPSK	1	108	15.26	15.31	15.23		
40	PI/2 BPSK	1	214	15.31	15.35	15.29		
40	PI/2 BPSK	108	0	15.22	15.34	15.23	16.7	0.0
40	PI/2 BPSK	108	54	15.31	15.41	15.31	16.7	0.0
40	PI/2 BPSK	108	108	15.29	15.34	15.25	16.7	0.0
40	PI/2 BPSK	216	0	15.26	15.33	15.29		
40	QPSK	1	1	15.35	15.49	15.41	16.7	0.0
40	QPSK	1	108	15.24	15.33	15.23		
40	QPSK	1	214	15.25	15.30	15.20		
40	QPSK	108	0	15.30	15.37	15.35	16.7	0.0
40	QPSK	108	54	15.25	15.38	15.25	16.7	0.0
40	QPSK	108	108	15.35	15.31	15.34	16.7	0.0
40	QPSK	216	0	15.23	15.33	15.27		
40	16QAM	1	1	15.36	15.41	15.28	16.7	0.0
40	64QAM	1	1	15.28	15.36	15.29	16.7	0.0
40	256QAM	1	1	15.23	15.32	15.22	16.7	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	15.31	15.40	15.35	16.7	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	15.29	15.40	15.36	16.7	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	15.38	15.38	16.7	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	15.27	15.36	15.29	16.7	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	15.28	15.42	15.28	16.7	0.0

n2 Ant1 DSI3 standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	19.36	19.53	19.42	20.5	0.0
20	PI/2 BPSK	1	53	19.17	19.46	19.29		
20	PI/2 BPSK	1	104	19.17	19.40	19.15		
20	PI/2 BPSK	50	0	19.23	19.33	19.19	20.5	0.0
20	PI/2 BPSK	50	28	19.07	19.36	19.16	20.5	0.0
20	PI/2 BPSK	50	56	19.11	19.32	19.17	20.5	0.0
20	PI/2 BPSK	100	0	19.10	19.37	19.10		
20	QPSK	1	1	19.30	19.55	19.27	20.5	0.0
20	QPSK	1	53	19.35	19.49	19.29		
20	QPSK	1	104	19.15	19.36	19.17		
20	QPSK	50	0	19.04	19.31	19.11	20.5	0.0
20	QPSK	50	28	19.21	19.33	19.10	20.5	0.0
20	QPSK	50	56	19.02	19.32	19.03	20.5	0.0
20	QPSK	100	0	19.25	19.35	19.24		
20	16QAM	1	1	19.12	19.37	19.24	20.5	0.0
20	64QAM	1	1	18.63	18.83	18.59	20.5	0.0
20	256QAM	1	1	16.39	16.59	16.34	20.5	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	19.19	19.49	19.09	20.5	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	19.12	19.39	19.17	20.5	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	19.14	19.40	19.25	20.5	0.0

n5 Ant1 DSI3 standalone

BW [MHz]	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	22.35	22.36	22.34	24.0	0.0
20	PI/2 BPSK	1	53	22.25	22.30	22.24		
20	PI/2 BPSK	1	104	22.09	22.24	22.14		
20	PI/2 BPSK	50	0	22.05	22.23	22.16	24.0	0.0
20	PI/2 BPSK	50	28	22.31	22.34	22.28	24.0	0.0
20	PI/2 BPSK	50	56	22.08	22.27	22.23	24.0	0.0
20	PI/2 BPSK	100	0	22.28	22.32	22.31		
20	QPSK	1	1	22.52	22.55	22.47	24.0	0.0
20	QPSK	1	53	22.24	22.33	22.23		
20	QPSK	1	104	22.26	22.31	22.31		
20	QPSK	50	0	22.09	22.22	22.05	24.0	0.0
20	QPSK	50	28	22.31	22.33	22.17	24.0	0.0
20	QPSK	50	56	22.20	22.22	22.12	24.0	0.0
20	QPSK	100	0	22.13	22.29	22.15		
20	16QAM	1	1	22.42	22.37	22.42	24.0	0.0
20	64QAM	1	1	21.70	21.73	21.58	22.5	1.5
20	256QAM	1	1	19.24	19.43	19.23	20.5	3.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.36	22.36	22.21	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.42	22.33	22.28	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	22.41	22.25	22.29	24.0	0.0

n66 Ant1 DSI3 standalone

BW [MHz]	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	18.86	18.88	18.72	20.0	0.0
40	PI/2 BPSK	1	108	18.83	18.98	18.81		
40	PI/2 BPSK	1	214	18.73	18.89	18.77		
40	PI/2 BPSK	108	0	18.88	18.93	18.76	20.0	0.0
40	PI/2 BPSK	108	54	18.84	18.86	18.77	20.0	0.0
40	PI/2 BPSK	108	108	18.85	18.95	18.86	20.0	0.0
40	PI/2 BPSK	216	0	18.79	18.94	18.85		
40	QPSK	1	1	19.09	19.14	19.02	20.0	0.0
40	QPSK	1	108	18.91	19.03	19.00		
40	QPSK	1	214	18.72	18.89	18.71		
40	QPSK	108	0	18.77	18.93	18.86	20.0	0.0
40	QPSK	108	54	18.86	18.96	18.85	20.0	0.0
40	QPSK	108	108	18.98	18.91	18.99	20.0	0.0
40	QPSK	216	0	18.81	18.98	18.82		
40	16QAM	1	1	18.91	18.98	18.84	20.0	0.0
40	64QAM	1	1	19.02	19.05	18.95	20.0	0.0
40	256QAM	1	1	18.83	18.96	18.87	20.0	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	18.96	19.06	18.92	20.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	19.03	19.03	18.94	20.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	19.03	19.07	18.86	20.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	18.93	19.05	18.94	20.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	19.05	19.10	18.87	20.0	0.0

n2 Ant1 DSI3 simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	16.85	17.02	16.91	17.9	0.0
20	PI/2 BPSK	1	53	16.66	16.95	16.78		
20	PI/2 BPSK	1	104	16.66	16.89	16.64		
20	PI/2 BPSK	50	0	16.72	16.82	16.68	17.9	0.0
20	PI/2 BPSK	50	28	16.56	16.85	16.65	17.9	0.0
20	PI/2 BPSK	50	56	16.60	16.81	16.66	17.9	0.0
20	PI/2 BPSK	100	0	16.59	16.86	16.59		
20	QPSK	1	1	16.79	17.04	16.76	17.9	0.0
20	QPSK	1	53	16.84	16.98	16.78		
20	QPSK	1	104	16.64	16.85	16.66		
20	QPSK	50	0	16.53	16.80	16.60	17.9	0.0
20	QPSK	50	28	16.79	16.82	16.59	17.9	0.0
20	QPSK	50	56	16.51	16.81	16.52	17.9	0.0
20	QPSK	100	0	16.74	16.84	16.73		
20	16QAM	1	1	16.61	16.86	16.73	17.9	0.0
20	64QAM	1	1	16.12	16.32	16.08	17.9	0.0
20	256QAM	1	1	16.11	16.12	16.10	17.9	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	16.68	16.98	16.58	17.9	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	16.61	16.88	16.66	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	16.63	16.89	16.74	17.9	0.0

n5 Ant1 DSI3 simultaneous

BW [MHz]	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	22.35	22.36	22.34	24.0	0.0
20	PI/2 BPSK	1	53	22.25	22.30	22.24		
20	PI/2 BPSK	1	104	22.09	22.24	22.14		
20	PI/2 BPSK	50	0	22.05	22.23	22.16	24.0	0.0
20	PI/2 BPSK	50	28	22.31	22.34	22.28	24.0	0.0
20	PI/2 BPSK	50	56	22.08	22.27	22.23	24.0	0.0
20	PI/2 BPSK	100	0	22.28	22.32	22.31		
20	QPSK	1	1	22.52	22.55	22.47	24.0	0.0
20	QPSK	1	53	22.24	22.33	22.23		
20	QPSK	1	104	22.26	22.31	22.31		
20	QPSK	50	0	22.09	22.22	22.05	24.0	0.0
20	QPSK	50	28	22.31	22.33	22.17	24.0	0.0
20	QPSK	50	56	22.20	22.22	22.12	24.0	0.0
20	QPSK	100	0	22.13	22.29	22.15		
20	16QAM	1	1	22.42	22.37	22.42	24.0	0.0
20	64QAM	1	1	21.70	21.73	21.58	22.5	1.5
20	256QAM	1	1	19.24	19.43	19.23	20.5	3.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.36	22.36	22.21	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.42	22.33	22.28	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	22.41	22.25	22.29	24.0	0.0

n66 Ant1 DSI3 simultaneous

BW [MHz]	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	15.79	15.85	15.72	16.7	0.0
40	PI/2 BPSK	1	108	15.75	15.91	15.81		
40	PI/2 BPSK	1	214	15.72	15.83	15.79		
40	PI/2 BPSK	108	0	15.81	15.93	15.76	16.7	0.0
40	PI/2 BPSK	108	54	15.78	15.87	15.80	16.7	0.0
40	PI/2 BPSK	108	108	15.83	15.96	15.85	16.7	0.0
40	PI/2 BPSK	216	0	15.81	15.83	15.72		
40	QPSK	1	1	15.90	16.02	15.86	16.7	0.0
40	QPSK	1	108	15.81	15.93	15.88		
40	QPSK	1	214	15.78	15.84	15.80		
40	QPSK	108	0	15.74	15.82	15.77	16.7	0.0
40	QPSK	108	54	15.80	15.94	15.83	16.7	0.0
40	QPSK	108	108	15.64	15.79	15.71	16.7	0.0
40	QPSK	216	0	15.75	15.82	15.79		
40	16QAM	1	1	15.89	15.97	15.81	16.7	0.0
40	64QAM	1	1	15.72	15.89	15.75	16.7	0.0
40	256QAM	1	1	15.73	15.86	15.72	16.7	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	15.79	15.86	15.66	16.7	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	15.70	15.94	15.77	16.7	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	15.73	15.89	15.65	16.7	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	14.93	15.05	14.96	16.7	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	15.85	15.89	15.74	16.7	0.0

Par27O n77 Ant2_PC3 DSI3 Standalone

BW [MHz]	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	14.35	14.35	14.27	15.5	0.0
100	PI/2 BPSK	1	137	14.40	14.49	14.42		
100	PI/2 BPSK	1	271	14.48	14.37	14.44		
100	PI/2 BPSK	135	0	14.47	14.28	14.34		
100	PI/2 BPSK	135	69	14.34	14.26	14.35		
100	PI/2 BPSK	135	138	14.44	14.39	14.19		
100	PI/2 BPSK	270	0	14.39	14.37	14.27		
100	QPSK	1	1	14.44	14.52	14.26	15.5	0.0
100	QPSK	1	137	14.25	14.47	14.42		
100	QPSK	1	271	14.44	14.49	14.42		
100	QPSK	135	0	14.28	14.30	14.29		
100	QPSK	135	69	14.25	14.36	14.19		
100	QPSK	135	138	14.47	14.23	14.36		
100	QPSK	270	0	14.23	14.35	14.34		
100	16QAM	1	1	14.47	14.30	14.42		
100	64QAM	1	1	14.35	14.44	14.35		
100	256QAM	1	1	14.43	14.25	14.34		
Channel				649668	656000	662274	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3925.01		
90	QPSK	1	1	14.34	14.40	14.10	15.5	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	14.29	14.35	14.05	15.5	0.0
Channel				649002	656000	663058	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730	3840	3945		
70	QPSK	1	1	14.35	14.33	14.18	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	14.36	14.37	14.15	15.5	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	14.33	14.40	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	14.28	14.29	14.11	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	14.36	14.37	14.15	15.5	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	14.31	14.41	14.16	15.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	17.11	17.24	17.22	18.5	0.0
100	PI/2 BPSK	1	137	17.22	17.25	17.15		
100	PI/2 BPSK	1	271	17.25	17.37	17.33		
100	PI/2 BPSK	135	0	17.26	17.15	17.29		
100	PI/2 BPSK	135	69	17.19	17.17	17.22		
100	PI/2 BPSK	135	138	17.08	17.34	17.21		
100	PI/2 BPSK	270	0	17.32	17.34	17.31		
100	QPSK	1	1	17.35	17.39	17.36	18.5	0.0
100	QPSK	1	137	17.37	17.35	17.33		
100	QPSK	1	271	17.38	17.36	17.30		
100	QPSK	135	0	17.19	17.38	17.25		
100	QPSK	135	69	17.19	17.37	17.19		
100	QPSK	135	138	17.30	17.31	17.21		
100	QPSK	270	0	17.34	17.33	17.25		
100	16QAM	1	1	17.25	16.99	17.32		
100	64QAM	1	1	17.36	17.33	17.34		
100	256QAM	1	1	16.63	16.65	16.60		
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	QPSK	1	1	17.12	17.14	17.11	18.5	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	QPSK	1	1	17.02	17.05	16.95	18.5	0.0
Channel				649002	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730	3840	3945		
70	QPSK	1	1	17.13	17.17	16.99	18.5	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	QPSK	1	1	16.91	17.04	17.02	18.5	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	QPSK	1	1	17.05	16.79	17.12	18.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	17.10	17.11	17.01	18.5	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98		
30	QPSK	1	1	16.43	16.45	16.40	18.5	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	QPSK	1	1	16.99	17.17	16.99	18.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		14.33		15.5	0.0
100	PI/2 BPSK	1	137		14.62			
100	PI/2 BPSK	1	271		14.58			
100	PI/2 BPSK	135	0		14.45			
100	PI/2 BPSK	135	69		14.41			
100	PI/2 BPSK	135	138		14.57			
100	PI/2 BPSK	270	0		14.64			
100	QPSK	1	1		14.66		15.5	0.0
100	QPSK	1	137		14.53			
100	QPSK	1	271		14.65			
100	QPSK	135	0		14.65			
100	QPSK	135	69		14.57			
100	QPSK	135	138		14.42			
100	QPSK	270	0		14.59			
100	16QAM	1	1		14.60			
100	64QAM	1	1		14.63			
100	256QAM	1	1		14.40			
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	14.29	14.35	14.05	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	14.33	14.40	14.14	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	14.31	14.41	14.16	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	14.36	14.37	14.15	15.5	0.0
Channel				631668	633334	635002	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	14.29	14.35	14.05	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	14.31	14.41	14.16	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	14.36	14.37	14.15	15.5	0.0
Channel				630668	633334	636002	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	14.29	14.35	14.05	15.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		17.38		18.5	0.0
100	PI/2 BPSK	1	137		17.36			
100	PI/2 BPSK	1	271		17.83			
100	PI/2 BPSK	135	0		17.09			
100	PI/2 BPSK	135	69		17.07			
100	PI/2 BPSK	135	138		17.40			
100	PI/2 BPSK	270	0		17.42			
100	QPSK	1	1		17.64		18.5	0.0
100	QPSK	1	137		17.59			
100	QPSK	1	271		17.60			
100	QPSK	135	0		17.55			
100	QPSK	135	69		17.54			
100	QPSK	135	138		17.38			
100	QPSK	270	0		17.47		18.5	0.0
100	16QAM	1	1		17.25		18.5	0.0
100	64QAM	1	1		17.60		18.5	0.0
100	256QAM	1	1		16.66		17.5	1.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.02	17.05	16.95	18.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.13	17.17	16.99	18.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	17.12	17.14	17.11	18.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.91	17.04	17.02	18.5	0.0
Channel				631668	633334	635002	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.12	17.14	17.11	18.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.10	17.11	17.01	18.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.43	16.45	16.40	18.5	0.0
Channel				630668	633334	636002	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.99	17.17	16.99	18.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		14.25			
100	PI/2 BPSK	1	137		14.39		15.5	0.0
100	PI/2 BPSK	1	271		14.27			
100	PI/2 BPSK	135	0		14.18		15.5	0.0
100	PI/2 BPSK	135	69		14.16		15.5	0.0
100	PI/2 BPSK	135	138		14.29		15.5	0.0
100	PI/2 BPSK	270	0		14.27			
100	QPSK	1	1		14.42		15.5	0.0
100	QPSK	1	137		14.37			
100	QPSK	1	271		14.39			
100	QPSK	135	0		14.20		15.5	0.0
100	QPSK	135	69		14.29		15.5	0.0
100	QPSK	135	138		14.13		15.5	0.0
100	QPSK	270	0		14.25			
100	16QAM	1	1		14.20		15.5	0.0
100	64QAM	1	1		14.34		15.5	0.0
100	256QAM	1	1		14.15		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	14.34	14.40	14.10	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	14.29	14.35	14.05	15.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	14.35	14.33	14.18	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	14.36	14.37	14.15	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	14.33	14.40	14.14	15.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	14.28	14.29	14.11	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	14.36	14.37	14.15	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	14.31	14.41	14.16	15.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		14.03			
100	PI/2 BPSK	1	137		14.12		15.5	0.0
100	PI/2 BPSK	1	271		14.08			
100	PI/2 BPSK	135	0		13.95		15.5	0.0
100	PI/2 BPSK	135	69		13.91		15.5	0.0
100	PI/2 BPSK	135	138		14.07		15.5	0.0
100	PI/2 BPSK	270	0		14.14			
100	QPSK	1	1		14.16		15.5	0.0
100	QPSK	1	137		14.03			
100	QPSK	1	271		14.15			
100	QPSK	135	0		14.15		15.5	0.0
100	QPSK	135	69		14.01		15.5	0.0
100	QPSK	135	138		13.92		15.5	0.0
100	QPSK	270	0		14.09			
100	16QAM	1	1		14.10		15.5	0.0
100	64QAM	1	1		14.13		15.5	0.0
100	256QAM	1	1		13.90		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	14.83	14.90	14.64	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	14.79	14.85	14.55	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	14.81	14.91	14.66	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	14.86	14.87	14.65	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	14.81	14.91	14.66	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	14.79	14.85	14.55	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	14.86	14.87	14.65	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	14.79	14.85	14.55	15.5	0.0

Par27O n77 Ant2_PC3 DSI3 Simultaneous

BW [MHz]	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	12.42	12.47	12.58	13.9	0.0
100	PI/2 BPSK	1	137	12.92	12.85	12.62		
100	PI/2 BPSK	1	271	12.87	12.95	12.68		
100	PI/2 BPSK	135	0	12.74	12.87	12.66	13.9	0.0
100	PI/2 BPSK	135	69	12.75	12.84	12.68	13.9	0.0
100	PI/2 BPSK	135	138	12.79	12.79	12.97	13.9	0.0
100	PI/2 BPSK	270	0	12.71	12.78	12.75		
100	QPSK	1	1	12.96	13.02	12.86	13.9	0.0
100	QPSK	1	137	12.81	12.68	12.66		
100	QPSK	1	271	12.90	12.92	12.80		
100	QPSK	135	0	12.97	12.95	12.80	13.9	0.0
100	QPSK	135	69	12.81	12.99	12.89	13.9	0.0
100	QPSK	135	138	12.80	12.88	12.86	13.9	0.0
100	QPSK	270	0	12.77	12.94	12.76		
100	16QAM	1	1	12.77	12.81	12.75	13.9	0.0
100	64QAM	1	1	12.86	12.96	12.86	13.9	0.0
100	256QAM	1	1	12.93	12.85	12.86	13.9	0.0
Channel				649668	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	12.77	12.77	12.94	13.9	0.0
Channel				649334	656000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	12.81	12.71	12.78	13.9	0.0
Channel				649002	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	12.97	12.95	12.85	13.9	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	12.96	12.86	12.96	13.9	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	12.92	12.75	12.84	13.9	0.0
Channel				648002	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	12.81	12.79	12.79	13.9	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	12.81	12.81	12.79	13.9	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	12.90	12.92	12.78	13.9	0.0

Par27O n77 Ant2_PC2 DSI3 Simultaneous

BW [MHz]	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	15.50	15.68	15.76	16.9	0.0
100	PI/2 BPSK	1	137	16.04	15.99	15.90		
100	PI/2 BPSK	1	271	16.03	16.08	16.03		
100	PI/2 BPSK	135	0	15.98	16.04	16.08	16.9	0.0
100	PI/2 BPSK	135	69	16.01	16.02	15.96	16.9	0.0
100	PI/2 BPSK	135	138	15.97	16.01	16.11	16.9	0.0
100	PI/2 BPSK	270	0	15.95	15.99	15.90		
100	QPSK	1	1	16.09	16.15	16.08	16.9	0.0
100	QPSK	1	137	15.88	15.88	15.79		
100	QPSK	1	271	16.11	16.05	16.00		
100	QPSK	135	0	15.93	16.01	16.05	16.9	0.0
100	QPSK	135	69	15.99	16.11	16.02	16.9	0.0
100	QPSK	135	138	15.94	16.05	16.10	16.9	0.0
100	QPSK	270	0	16.02	16.08	15.92		
100	16QAM	1	1	15.95	15.99	15.90	16.9	0.0
100	64QAM	1	1	15.98	16.14	15.97	16.9	0.0
100	256QAM	1	1	16.04	16.06	15.98	16.9	0.0
Channel				649668	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	16.09	16.10	16.08	16.9	0.0
Channel				649334	656000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	15.99	16.05	15.88	16.9	0.0
Channel				649002	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	15.84	15.93	16.02	16.9	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	15.95	15.89	16.05	16.9	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	16.01	16.02	15.96	16.9	0.0
Channel				648002	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	16.03	16.00	15.94	16.9	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	15.90	15.68	15.76	16.9	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	16.06	16.05	16.03	16.9	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		13.24		13.9	0.0
100	PI/2 BPSK	1	137		13.21			
100	PI/2 BPSK	1	271		13.15			
100	PI/2 BPSK	135	0		13.07		13.9	0.0
100	PI/2 BPSK	135	69		13.20			
100	PI/2 BPSK	135	138		13.29			
100	PI/2 BPSK	270	0		13.06		13.9	0.0
100	QPSK	1	1		13.34		13.9	0.0
100	QPSK	1	137		13.10			
100	QPSK	1	271		13.19			
100	QPSK	135	0		13.15		13.9	0.0
100	QPSK	135	69		13.27			
100	QPSK	135	138		13.26			
100	QPSK	270	0		13.15		13.9	0.0
100	16QAM	1	1		13.27		13.9	0.0
100	64QAM	1	1		13.25		13.9	0.0
100	256QAM	1	1		13.30		13.9	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	13.24	12.27	12.38	13.9	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	13.07	12.67	12.66	13.9	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	13.06	12.58	12.55	13.9	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	13.19	12.72	12.60	13.9	0.0
Channel				631668	633334	635002	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	13.27	12.61	12.50	13.9	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	13.27	12.59	12.69	13.9	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	13.10	12.48	12.46	13.9	0.0
Channel				630668	633334	636002	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	13.25	12.76	12.66	13.9	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		16.35		16.9	0.0
100	PI/2 BPSK	1	137		16.26			
100	PI/2 BPSK	1	271		16.38			
100	PI/2 BPSK	135	0		16.37		16.9	0.0
100	PI/2 BPSK	135	69		16.40			
100	PI/2 BPSK	135	138		16.36			
100	PI/2 BPSK	270	0		16.18		16.9	0.0
100	QPSK	1	1		16.42		16.9	0.0
100	QPSK	1	137		16.40			
100	QPSK	1	271		16.41			
100	QPSK	135	0		16.32		16.9	0.0
100	QPSK	135	69		16.34			
100	QPSK	135	138		16.29			
100	QPSK	270	0		16.19		16.9	0.0
100	16QAM	1	1		16.30		16.9	0.0
100	64QAM	1	1		16.26		16.9	0.0
100	256QAM	1	1		16.37		16.9	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	16.29	16.35	16.18	16.9	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	16.09	16.15	16.08	16.9	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	15.89	15.95	15.88	16.9	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	16.33	16.30	16.24	16.9	0.0
Channel				631668	633334	635002	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	16.01	16.02	15.96	16.9	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	16.36	16.35	16.33	16.9	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	16.06	16.04	16.23	16.9	0.0
Channel				630668	633334	636002	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	15.50	15.68	15.76	16.9	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		12.86			
100	PI/2 BPSK	1	137		13.24		13.9	0.0
100	PI/2 BPSK	1	271		13.34			
100	PI/2 BPSK	135	0		13.26		13.9	0.0
100	PI/2 BPSK	135	69		13.23		13.9	0.0
100	PI/2 BPSK	135	138		13.18		13.9	0.0
100	PI/2 BPSK	270	0		13.17			
100	QPSK	1	1		13.41			
100	QPSK	1	137		13.07		13.9	0.0
100	QPSK	1	271		13.31			
100	QPSK	135	0		13.34		13.9	0.0
100	QPSK	135	69		13.39		13.9	0.0
100	QPSK	135	138		13.27		13.9	0.0
100	QPSK	270	0		13.33			
100	16QAM	1	1		13.20		13.9	0.0
100	64QAM	1	1		13.35		13.9	0.0
100	256QAM	1	1		13.24		13.9	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	13.77	13.37	13.36	13.9	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	13.94	12.97	13.08	13.9	0.0
Channel				649002	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	13.76	13.28	13.25	13.9	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	13.89	13.42	13.30	13.9	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	13.97	13.29	13.39	13.9	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	13.85	13.44	13.26	13.9	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	13.95	13.46	13.36	13.9	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	13.76	13.28	13.25	13.9	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3505.01			
100	PI/2 BPSK	1	1		13.44			
100	PI/2 BPSK	1	137		13.41		13.9	0.0
100	PI/2 BPSK	1	271		13.35			
100	PI/2 BPSK	135	0		13.27		13.9	0.0
100	PI/2 BPSK	135	69		13.40		13.9	0.0
100	PI/2 BPSK	135	138		13.49		13.9	0.0
100	PI/2 BPSK	270	0		13.26			
100	QPSK	1	1		13.53			
100	QPSK	1	137		13.30		13.9	0.0
100	QPSK	1	271		13.39			
100	QPSK	135	0		13.35		13.9	0.0
100	QPSK	135	69		13.47		13.9	0.0
100	QPSK	135	138		13.46		13.9	0.0
100	QPSK	270	0		13.35			
100	16QAM	1	1		13.47		13.9	0.0
100	64QAM	1	1		13.45		13.9	0.0
100	256QAM	1	1		13.50		13.9	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	13.46	12.88	12.86	13.9	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	13.26	12.78	12.75	13.9	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	13.35	12.95	12.80	13.9	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	13.39	12.92	12.80	13.9	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	13.35	12.95	12.80	13.9	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	13.35	12.94	12.76	13.9	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	13.26	12.78	12.75	13.9	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	13.39	12.92	12.80	13.9	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	16.24	16.14	16.12		
100	PI/2 BPSK	1	137	15.93	16.00	16.00	17.2	0.0
100	PI/2 BPSK	1	271	16.05	16.04	16.12		
100	PI/2 BPSK	135	0	15.88	15.99	15.91	17.2	0.0
100	PI/2 BPSK	135	69	16.09	16.07	16.15	17.2	0.0
100	PI/2 BPSK	135	138	15.93	16.02	16.13	17.2	0.0
100	PI/2 BPSK	270	0	15.84	15.95	16.03		
100	QPSK	1	1	16.18	16.28	16.20		
100	QPSK	1	137	15.89	15.88	15.93	17.2	0.0
100	QPSK	1	271	15.88	15.98	15.88		
100	QPSK	135	0	15.86	15.87	15.85	17.2	0.0
100	QPSK	135	69	15.82	16.17	15.75	17.2	0.0
100	QPSK	135	138	15.77	15.75	15.75	17.2	0.0
100	QPSK	270	0	16.10	16.14	16.07		
100	16QAM	1	1	16.24	16.20	16.29	17.2	0.0
100	64QAM	1	1	16.11	16.21	16.13	17.2	0.0
100	256QAM	1	1	16.12	16.06	16.02	17.2	0.0
Channel				649668	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	16.07	16.19	16.09	17.2	0.0
Channel				649334	656000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	16.06	16.09	15.99	17.2	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	16.13	16.19	16.17	17.2	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	16.00	16.16	16.08	17.2	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	16.16	16.09	16.03	17.2	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	16.17	16.10	16.14	17.2	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	16.12	16.14	16.09	17.2	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	16.08	16.22	16.11	17.2	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.23	19.24	19.16		
100	PI/2 BPSK	1	137	19.03	19.11	18.99	20.2	0.0
100	PI/2 BPSK	1	271	19.08	19.10	19.08		
100	PI/2 BPSK	135	0	19.01	19.12	19.01	20.2	0.0
100	PI/2 BPSK	135	69	18.98	19.00	19.08	20.2	0.0
100	PI/2 BPSK	135	138	18.92	18.95	18.94	20.2	0.0
100	PI/2 BPSK	270	0	19.04	18.99	18.97		
100	QPSK	1	1	19.15	19.27	19.18		
100	QPSK	1	137	19.14	19.12	19.16	20.2	0.0
100	QPSK	1	271	19.10	19.13	19.11		
100	QPSK	135	0	19.12	19.08	19.08	20.2	0.0
100	QPSK	135	69	19.05	19.22	19.11	20.2	0.0
100	QPSK	135	138	19.04	18.99	18.99	20.2	0.0
100	QPSK	270	0	18.98	19.10	19.06		
100	16QAM	1	1	19.16	19.22	19.25	20.2	0.0
100	64QAM	1	1	19.04	19.15	19.23	20.2	0.0
100	256QAM	1	1	19.10	18.98	19.07	20.2	0.0
Channel				649668	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	19.07	19.09	18.97	20.2	0.0
Channel				649334	656000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	19.01	19.10	18.95	20.2	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	19.04	19.16	19.00	20.2	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	18.90	19.12	18.99	20.2	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	19.04	19.15	19.07	20.2	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	19.04	19.08	19.05	20.2	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	18.86	19.11	18.95	20.2	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	19.01	19.11	18.93	20.2	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		16.22			
100	PI/2 BPSK	1	137		16.20		17.2	0.0
100	PI/2 BPSK	1	271		16.15			
100	PI/2 BPSK	135	0		16.23			
100	PI/2 BPSK	135	69		16.20		17.2	0.0
100	PI/2 BPSK	135	138		16.14			
100	PI/2 BPSK	270	0		16.15		17.2	0.0
100	QPSK	1	1		16.32			
100	QPSK	1	137		16.24		17.2	0.0
100	QPSK	1	271		16.17			
100	QPSK	135	0		16.21			
100	QPSK	135	69		16.22		17.2	0.0
100	QPSK	135	138		16.10			
100	QPSK	270	0		16.20		17.2	0.0
100	16QAM	1	1		16.30		17.2	0.0
100	64QAM	1	1		16.28		17.2	0.0
100	256QAM	1	1		16.26		17.2	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	16.12	16.26	16.26	17.2	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	16.29	16.12	16.22	17.2	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	16.09	16.22	16.09	17.2	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	16.29	16.25	16.09	17.2	0.0
Channel				631668	633334	635002	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	16.11	16.28	16.21	17.2	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	16.08	16.24	16.11	17.2	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	16.21	16.10	16.09	17.2	0.0
Channel				630668	633334	636002	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	16.24	16.17	16.30	17.2	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.13			
100	PI/2 BPSK	1	137		19.06		20.2	0.0
100	PI/2 BPSK	1	271		19.11			
100	PI/2 BPSK	135	0		19.15			
100	PI/2 BPSK	135	69		19.16		20.2	0.0
100	PI/2 BPSK	135	138		19.18			
100	PI/2 BPSK	270	0		19.17		20.2	0.0
100	QPSK	1	1		19.20			
100	QPSK	1	137		19.18		20.2	0.0
100	QPSK	1	271		19.16			
100	QPSK	135	0		18.87			
100	QPSK	135	69		18.91		20.2	0.0
100	QPSK	135	138		18.88			
100	QPSK	270	0		19.14		20.2	0.0
100	16QAM	1	1		19.10		20.2	0.0
100	64QAM	1	1		19.16		20.2	0.0
100	256QAM	1	1		19.12		20.2	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	19.19	19.21	19.31	20.2	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	20.32	20.36	20.17	20.2	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	20.17	20.22	20.20	20.2	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	20.23	20.19	20.32	20.2	0.0
Channel				631668	633334	635002	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	20.21	20.18	20.30	20.2	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	20.20	20.29	20.26	20.2	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	20.34	20.39	20.27	20.2	0.0
Channel				630668	633334	636002	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	20.32	20.25	20.32	20.2	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		16.02		17.2	0.0
100	PI/2 BPSK	1	137		15.88			
100	PI/2 BPSK	1	271		15.92			
100	PI/2 BPSK	135	0		15.87		17.2	0.0
100	PI/2 BPSK	135	69		15.95		17.2	0.0
100	PI/2 BPSK	135	138		15.90		17.2	0.0
100	PI/2 BPSK	270	0		15.83			
100	QPSK	1	1		16.28		17.2	0.0
100	QPSK	1	137		15.76			
100	QPSK	1	271		15.86			
100	QPSK	135	0		16.06		17.2	0.0
100	QPSK	135	69		15.64		17.2	0.0
100	QPSK	135	138		15.83		17.2	0.0
100	QPSK	270	0		16.02			
100	16QAM	1	1		16.09		17.2	0.0
100	64QAM	1	1		16.09		17.2	0.0
100	256QAM	1	1		15.94		17.2	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	16.22	16.12	16.18	17.2	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	16.09	16.17	16.03	17.2	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	16.18	16.14	16.05	17.2	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	16.19	16.18	16.18	17.2	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	16.17	16.19	16.19	17.2	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	16.19	16.14	16.19	17.2	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	16.25	16.07	16.20	17.2	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	16.15	16.18	16.22	17.2	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3505.01			
100	PI/2 BPSK	1	1		16.10		17.2	0.0
100	PI/2 BPSK	1	137		16.08			
100	PI/2 BPSK	1	271		16.03			
100	PI/2 BPSK	135	0		16.11		17.2	0.0
100	PI/2 BPSK	135	69		16.08		17.2	0.0
100	PI/2 BPSK	135	138		16.02		17.2	0.0
100	PI/2 BPSK	270	0		16.03			
100	QPSK	1	1		16.20		17.2	0.0
100	QPSK	1	137		16.12			
100	QPSK	1	271		16.05			
100	QPSK	135	0		16.12		17.2	0.0
100	QPSK	135	69		16.10		17.2	0.0
100	QPSK	135	138		15.98		17.2	0.0
100	QPSK	270	0		16.08			
100	16QAM	1	1		16.18		17.2	0.0
100	64QAM	1	1		16.16		17.2	0.0
100	256QAM	1	1		16.14		17.2	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.28	16.22	16.25	17.2	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.19	16.20	16.30	17.2	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.23	16.27	16.28	17.2	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.24	16.34	16.28	17.2	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.31	16.39	16.28	17.2	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.18	16.27	16.29	17.2	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.22	16.30	16.23	17.2	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.16	16.28	16.15	17.2	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	15.02	15.01	15.09	15.9	0.0
100	PI/2 BPSK	1	137	14.89	14.82	14.93		
100	PI/2 BPSK	1	271	14.86	14.93	14.86		
100	PI/2 BPSK	135	0	14.95	15.00	15.10		
100	PI/2 BPSK	135	69	15.10	15.01	15.02		
100	PI/2 BPSK	135	138	15.21	15.17	15.16		
100	PI/2 BPSK	270	0	14.86	14.90	14.92		
100	QPSK	1	1	15.12	15.22	15.05	15.9	0.0
100	QPSK	1	137	15.01	15.03	15.00		
100	QPSK	1	271	14.83	14.95	14.89		
100	QPSK	135	0	15.13	15.08	15.18		
100	QPSK	135	69	15.18	15.20	15.19		
100	QPSK	135	138	15.12	15.18	15.19		
100	QPSK	270	0	15.04	15.13	15.10		
100	16QAM	1	1	15.15	15.20	15.12		
100	64QAM	1	1	15.07	15.19	15.17		
100	256QAM	1	1	15.10	15.02	15.01		
Channel				649668	656000	662234	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	15.10	15.05	14.85		
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	15.04	15.11	14.87		
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	15.02	15.18	15.03		
Channel				648666	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	14.96	15.03	15.01		
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	14.99	15.17	15.03		
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	14.96	15.05	14.98		
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	14.93	15.21	15.05		
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	14.93	15.18	14.88	15.9	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	18.24	18.22	18.11	18.9	0.0
100	PI/2 BPSK	1	137	18.26	18.17	18.28		
100	PI/2 BPSK	1	271	18.08	17.97	17.94		
100	PI/2 BPSK	135	0	18.08	18.14	18.19		
100	PI/2 BPSK	135	69	18.04	18.06	18.06		
100	PI/2 BPSK	135	138	17.97	17.92	17.87		
100	PI/2 BPSK	270	0	18.08	18.06	18.10		
100	QPSK	1	1	18.15	18.29	18.20	18.9	0.0
100	QPSK	1	137	18.20	18.25	18.14		
100	QPSK	1	271	18.00	18.05	17.98		
100	QPSK	135	0	18.03	18.12	18.07		
100	QPSK	135	69	18.01	18.17	17.94		
100	QPSK	135	138	17.90	17.96	17.96		
100	QPSK	270	0	18.11	18.15	17.97		
100	16QAM	1	1	18.07	18.07	18.08		
100	64QAM	1	1	18.16	18.25	18.05		
100	256QAM	1	1	18.28	18.23	18.26		
Channel				649668	656000	662234	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.14	18.11	18.09		
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	17.94	18.03	18.18		
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	18.14	18.07	18.03		
Channel				648666	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	18.10	18.22	18.19		
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	18.00	18.13	18.13		
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	17.96	18.16	18.19		
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	18.03	18.22	18.04		
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	18.00	18.16	18.00		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		15.35		15.9	0.0
100	PI/2 BPSK	1	137		15.26			
100	PI/2 BPSK	1	271		15.19			
100	PI/2 BPSK	135	0		15.15			
100	PI/2 BPSK	135	69		15.18			
100	PI/2 BPSK	135	138		15.27			
100	PI/2 BPSK	270	0		15.10			
100	QPSK	1	1		15.38		15.9	0.0
100	QPSK	1	137		15.17			
100	QPSK	1	271		15.22			
100	QPSK	135	0		15.26			
100	QPSK	135	69		15.34			
100	QPSK	135	138		15.27			
100	QPSK	270	0		15.30			
100	16QAM	1	1		15.36			
100	64QAM	1	1		15.34			
100	256QAM	1	1		15.27			
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	15.17	15.28	15.25		
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	15.21	15.34	15.23		
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	15.26	15.21	15.25		
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	15.21	15.25	15.06		
Channel				631668	633334	635002	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	15.32	15.31	15.07		
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	15.30	15.31	15.09		
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	15.27	15.14	15.07		
Channel				630668	633334	636002	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	15.32	15.35	15.04		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		17.97		18.9	0.0
100	PI/2 BPSK	1	137		18.12			
100	PI/2 BPSK	1	271		17.85			
100	PI/2 BPSK	135	0		18.03			
100	PI/2 BPSK	135	69		17.98			
100	PI/2 BPSK	135	138		17.86			
100	PI/2 BPSK	270	0		18.09			
100	QPSK	1	1		18.19		18.9	0.0
100	QPSK	1	137		18.11			
100	QPSK	1	271		17.92			
100	QPSK	135	0		18.15			
100	QPSK	135	69		18.02			
100	QPSK	135	138		18.08			
100	QPSK	270	0		18.12			
100	16QAM	1	1		18.10			
100	64QAM	1	1		18.01			
100	256QAM	1	1		18.08			
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	18.08	17.95	18.09		
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.96	17.99	17.88		
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	18.10	17.95	18.05		
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.01	18.08	18.01		
Channel				631668	633334	635002	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	18.18	18.10	18.07		
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.98	17.96	17.97		
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.00	17.99	17.90		
Channel				630668	633334	636002	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.96	18.13	18.07		

Part27O n78 Ant 7_PC3 DSI3 Simultaneous

BW [MHz]	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		15.12			
100	PI/2 BPSK	1	137		15.11		15.9	0.0
100	PI/2 BPSK	1	271		14.86			
100	PI/2 BPSK	135	0		15.13		15.9	0.0
100	PI/2 BPSK	135	69		15.10		15.9	0.0
100	PI/2 BPSK	135	138		14.80		15.9	0.0
100	PI/2 BPSK	270	0		15.08			
100	QPSK	1	1		15.21			
100	QPSK	1	137		15.14		15.9	0.0
100	QPSK	1	271		14.93			
100	QPSK	135	0		15.18		15.9	0.0
100	QPSK	135	69		15.22		15.9	0.0
100	QPSK	135	138		14.78		15.9	0.0
100	QPSK	270	0		15.20			
100	16QAM	1	1		15.12		15.9	0.0
100	64QAM	1	1		15.15		15.9	0.0
100	256QAM	1	1		15.17		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	15.01	15.06	15.12	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	15.03	15.15	15.20	15.9	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	15.12	15.13	15.17	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	15.06	15.12	15.02	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	15.11	15.02	15.15	15.9	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	15.06	15.18	15.07	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	15.10	15.19	15.22	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	15.15	15.13	15.16	15.9	0.0

Part27Q n78_Ant 7_PC3 DSI3 Simultaneous

BW [MHz]	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)					3505.01			
100	PI/2 BPSK	1	1		15.32			
100	PI/2 BPSK	1	137		15.13		15.9	0.0
100	PI/2 BPSK	1	271		15.21			
100	PI/2 BPSK	135	0		15.34		15.9	0.0
100	PI/2 BPSK	135	69		15.28		15.9	0.0
100	PI/2 BPSK	135	138		15.12		15.9	0.0
100	PI/2 BPSK	270	0		15.09			
100	QPSK	1	1		15.35			
100	QPSK	1	137		15.13		15.9	0.0
100	QPSK	1	271		15.28			
100	QPSK	135	0		15.05		15.9	0.0
100	QPSK	135	69		15.30		15.9	0.0
100	QPSK	135	138		15.28		15.9	0.0
100	QPSK	270	0		15.20			
100	16QAM	1	1		15.32		15.9	0.0
100	64QAM	1	1		15.27		15.9	0.0
100	256QAM	1	1		15.25		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	15.21	15.27	15.09	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	15.30	15.24	15.17	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	15.22	15.26	15.12	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	15.40	15.37	15.18	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	15.24	15.23	15.39	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	15.26	15.39	15.41	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	15.29	15.19	15.27	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	15.26	15.41	15.34	15.9	0.0

n2 Ant0 DSI6 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	20.81	20.91	20.86	22.1	0.0
20	PI/2 BPSK	1	53	20.87	20.93	20.88		
20	PI/2 BPSK	1	104	20.83	20.89	20.82		
20	PI/2 BPSK	50	0	20.75	20.87	20.72	22.1	0.0
20	PI/2 BPSK	50	28	20.79	20.92	20.77	22.1	0.0
20	PI/2 BPSK	50	56	20.74	20.88	20.73	22.1	0.0
20	PI/2 BPSK	100	0	20.67	20.83	20.79		
20	QPSK	1	1	20.98	21.05	20.97	22.1	0.0
20	QPSK	1	53	20.87	20.96	20.81		
20	QPSK	1	104	20.78	20.92	20.78		
20	QPSK	50	0	20.80	20.89	20.76	22.1	0.0
20	QPSK	50	28	20.80	20.91	20.81	22.1	0.0
20	QPSK	50	56	20.71	20.87	20.82	22.1	0.0
20	QPSK	100	0	20.82	20.88	20.80		
20	16QAM	1	1	20.96	21.01	20.97	22.1	0.0
20	64QAM	1	1	20.88	20.92	20.77	22.1	0.0
20	256QAM	1	1	19.23	19.26	19.23	20.5	1.6
Channel				371000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	20.88	20.97	20.87	22.1	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	20.87	20.89	20.84	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	20.85	20.90	20.87	22.1	0.0

n5 Ant0 DSI6 Standalone

BW [MHz]	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	22.62	22.68	22.65	24.0	0.0
20	PI/2 BPSK	1	53	22.62	22.63	22.54		
20	PI/2 BPSK	1	104	22.46	22.60	22.41		
20	PI/2 BPSK	50	0	22.50	22.55	22.49	24.0	0.0
20	PI/2 BPSK	50	28	22.64	22.67	22.55	24.0	0.0
20	PI/2 BPSK	50	56	22.50	22.56	22.41	24.0	0.0
20	PI/2 BPSK	100	0	22.45	22.64	22.60		
20	QPSK	1	1	22.63	22.75	22.67	24.0	0.0
20	QPSK	1	53	22.42	22.62	22.44		
20	QPSK	1	104	22.47	22.60	22.55		
20	QPSK	50	0	22.49	22.58	22.41	24.0	0.0
20	QPSK	50	28	22.62	22.65	22.63	24.0	0.0
20	QPSK	50	56	22.50	22.57	22.43	24.0	0.0
20	QPSK	100	0	22.43	22.62	22.42		
20	16QAM	1	1	22.59	22.61	22.52	24.0	0.0
20	64QAM	1	1	21.73	21.91	21.72	22.5	1.5
20	256QAM	1	1	19.64	19.69	19.52	20.5	3.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.48	22.54	22.39	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.46	22.51	22.47	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	22.50	22.45	22.42	24.0	0.0

n66 Ant0 DSI6 Standalone

BW [MHz]	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	20.65	20.77	20.70	22.1	0.0
40	PI/2 BPSK	1	108	20.75	20.82	20.79		
40	PI/2 BPSK	1	214	20.79	20.85	20.79		
40	PI/2 BPSK	108	0	20.75	20.87	20.75	22.1	0.0
40	PI/2 BPSK	108	54	20.66	20.81	20.63	22.1	0.0
40	PI/2 BPSK	108	108	20.91	20.96	20.92	22.1	0.0
40	PI/2 BPSK	216	0	20.74	20.85	20.76		
40	QPSK	1	1	20.96	21.08	21.06	22.1	0.0
40	QPSK	1	108	20.78	20.95	20.81		
40	QPSK	1	214	20.69	20.87	20.73		
40	QPSK	108	0	20.76	20.89	20.81	22.1	0.0
40	QPSK	108	54	20.85	20.97	20.83	22.1	0.0
40	QPSK	108	108	20.91	20.86	20.84	22.1	0.0
40	QPSK	216	0	20.71	20.85	20.67		
40	16QAM	1	1	20.79	20.97	20.91	22.1	0.0
40	64QAM	1	1	20.89	20.98	20.84	22.1	0.0
40	256QAM	1	1	19.25	19.30	19.17	20.5	1.6
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	20.82	21.01	21.00	22.1	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	20.89	20.93	20.91	22.1	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	20.78	21.00	20.96	22.1	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	20.92	20.97	20.91	22.1	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	20.82	20.91	20.90	22.1	0.0

n2 Ant0 DSI6 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	19.26	19.35	19.28	20.8	0.0
20	PI/2 BPSK	1	53	19.32	19.39	19.28		
20	PI/2 BPSK	1	104	19.22	19.36	19.25		
20	PI/2 BPSK	50	0	19.20	19.32	19.25	20.8	0.0
20	PI/2 BPSK	50	28	19.27	19.31	19.18	20.8	0.0
20	PI/2 BPSK	50	56	19.19	19.33	19.26	20.8	0.0
20	PI/2 BPSK	100	0	19.23	19.35	19.24		
20	QPSK	1	1	19.50	19.53	19.44	20.8	0.0
20	QPSK	1	53	19.33	19.38	19.25		
20	QPSK	1	104	19.28	19.42	19.31		
20	QPSK	50	0	19.32	19.37	19.24	20.8	0.0
20	QPSK	50	28	19.33	19.39	19.33	20.8	0.0
20	QPSK	50	56	19.33	19.34	19.26	20.8	0.0
20	QPSK	100	0	19.24	19.36	19.26		
20	16QAM	1	1	19.37	19.47	19.42	20.8	0.0
20	64QAM	1	1	19.38	19.45	19.35	20.8	0.0
20	256QAM	1	1	19.27	19.35	19.31	20.5	0.3
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	19.48	19.43	19.37	20.8	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	19.37	19.42	19.36	20.8	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	19.38	19.48	19.37	20.8	0.0

n5 Ant0 DSI6 Simultaneous

BW [MHz]	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	22.62	22.68	22.65	24.0	0.0
20	PI/2 BPSK	1	53	22.62	22.63	22.54		
20	PI/2 BPSK	1	104	22.46	22.60	22.41		
20	PI/2 BPSK	50	0	22.50	22.55	22.49	24.0	0.0
20	PI/2 BPSK	50	28	22.64	22.67	22.55	24.0	0.0
20	PI/2 BPSK	50	56	22.50	22.56	22.41	24.0	0.0
20	PI/2 BPSK	100	0	22.45	22.64	22.60		
20	QPSK	1	1	22.63	22.75	22.67	24.0	0.0
20	QPSK	1	53	22.42	22.62	22.44		
20	QPSK	1	104	22.47	22.60	22.55		
20	QPSK	50	0	22.49	22.58	22.41	24.0	0.0
20	QPSK	50	28	22.62	22.65	22.63	24.0	0.0
20	QPSK	50	56	22.50	22.57	22.43	24.0	0.0
20	QPSK	100	0	22.43	22.62	22.42		
20	16QAM	1	1	22.59	22.61	22.52	24.0	0.0
20	64QAM	1	1	21.73	21.91	21.72	22.5	1.5
20	256QAM	1	1	19.64	19.69	19.52	20.5	3.5
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.48	22.54	22.39	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.46	22.51	22.47	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	22.50	22.45	22.42	24.0	0.0

n66 Ant0 DSI6 Simultaneous

BW [MHz]	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	19.31	19.35	19.32	20.8	0.0
40	PI/2 BPSK	1	108	19.23	19.34	19.28		
40	PI/2 BPSK	1	214	19.29	19.37	19.33		
40	PI/2 BPSK	108	0	19.28	19.35	19.32	20.8	0.0
40	PI/2 BPSK	108	54	19.24	19.33	19.30	20.8	0.0
40	PI/2 BPSK	108	108	19.34	19.45	19.40	20.8	0.0
40	PI/2 BPSK	216	0	19.27	19.36	19.30		
40	QPSK	1	1	19.43	19.55	19.51	20.8	0.0
40	QPSK	1	108	19.30	19.43	19.37		
40	QPSK	1	214	19.27	19.39	19.33		
40	QPSK	108	0	19.36	19.38	19.30	20.8	0.0
40	QPSK	108	54	19.31	19.50	19.36	20.8	0.0
40	QPSK	108	108	19.38	19.44	19.38	20.8	0.0
40	QPSK	216	0	19.22	19.36	19.32		
40	16QAM	1	1	19.37	19.45	19.40	20.8	0.0
40	64QAM	1	1	19.45	19.48	19.34	20.8	0.0
40	256QAM	1	1	19.32	19.34	19.28	20.5	0.3
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	19.33	19.52	19.44	20.8	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	19.39	19.51	19.47	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	19.32	19.43	19.40	20.8	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	19.36	19.52	19.47	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	19.35	19.42	19.37	20.8	0.0

n2 Ant1 DSI6 Standalone

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	20.69	20.81	20.77	21.6	0.0
20	PI/2 BPSK	1	53	20.70	20.75	20.64		
20	PI/2 BPSK	1	104	20.67	20.71	20.62		
20	PI/2 BPSK	50	0	20.65	20.71	20.69	21.6	0.0
20	PI/2 BPSK	50	28	20.62	20.69	20.56	21.6	0.0
20	PI/2 BPSK	50	56	20.60	20.67	20.54	21.6	0.0
20	PI/2 BPSK	100	0	20.63	20.72	20.63		
20	QPSK	1	1	20.79	20.86	20.75	21.6	0.0
20	QPSK	1	53	20.70	20.79	20.75		
20	QPSK	1	104	20.64	20.69	20.62		
20	QPSK	50	0	20.72	20.71	20.72	21.6	0.0
20	QPSK	50	28	20.64	20.76	20.68	21.6	0.0
20	QPSK	50	56	20.56	20.69	20.65	21.6	0.0
20	QPSK	100	0	20.64	20.73	20.64		
20	16QAM	1	1	20.67	20.79	20.72	21.6	0.0
20	64QAM	1	1	20.75	20.84	20.79	21.6	0.0
20	256QAM	1	1	19.99	20.19	19.94	21.0	0.6
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	20.77	20.75	20.71	21.6	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	20.62	20.78	20.70	21.6	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	20.67	20.68	20.59	21.6	0.0

n5 Ant1 DSI6 Standalone

BW [MHz]	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	22.35	22.36	22.34	24.0	0.0
20	PI/2 BPSK	1	53	22.25	22.30	22.24		
20	PI/2 BPSK	1	104	22.09	22.24	22.14		
20	PI/2 BPSK	50	0	22.05	22.23	22.16	24.0	0.0
20	PI/2 BPSK	50	28	22.31	22.34	22.28	24.0	0.0
20	PI/2 BPSK	50	56	22.08	22.27	22.23	24.0	0.0
20	PI/2 BPSK	100	0	22.28	22.32	22.31		
20	QPSK	1	1	22.52	22.55	22.47	24.0	0.0
20	QPSK	1	53	22.24	22.33	22.23		
20	QPSK	1	104	22.26	22.31	22.31		
20	QPSK	50	0	22.09	22.22	22.05	24.0	0.0
20	QPSK	50	28	22.31	22.33	22.17	24.0	0.0
20	QPSK	50	56	22.20	22.22	22.12	24.0	0.0
20	QPSK	100	0	22.13	22.29	22.15		
20	16QAM	1	1	22.42	22.37	22.42	24.0	0.0
20	64QAM	1	1	21.70	21.73	21.58	22.5	1.5
20	256QAM	1	1	19.24	19.43	19.23	20.5	3.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.36	22.36	22.21	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.42	22.33	22.28	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	22.41	22.25	22.29	24.0	0.0

n66 Ant1 DSI6 Standalone

BW [MHz]	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	20.84	20.89	20.85	21.9	0.0
40	PI/2 BPSK	1	108	20.83	20.97	20.89		
40	PI/2 BPSK	1	214	20.82	20.88	20.80		
40	PI/2 BPSK	108	0	20.90	20.93	20.80	21.9	0.0
40	PI/2 BPSK	108	54	20.83	20.89	20.80	21.9	0.0
40	PI/2 BPSK	108	108	20.86	20.98	20.84	21.9	0.0
40	PI/2 BPSK	216	0	20.72	20.86	20.74		
40	QPSK	1	1	20.95	21.05	20.92	21.9	0.0
40	QPSK	1	108	20.98	21.02	20.94		
40	QPSK	1	214	20.84	20.94	20.85		
40	QPSK	108	0	20.72	20.89	20.73	21.9	0.0
40	QPSK	108	54	20.85	20.98	20.77	21.9	0.0
40	QPSK	108	108	20.94	20.94	20.94	21.9	0.0
40	QPSK	216	0	20.82	20.89	20.85		
40	16QAM	1	1	20.69	20.86	20.80	21.9	0.0
40	64QAM	1	1	20.92	21.01	20.85	21.4	0.5
40	256QAM	1	1	20.06	20.19	20.14	21.0	0.9
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	20.85	20.97	20.86	21.9	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	20.78	20.94	20.75	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	20.78	20.90	20.88	21.9	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	20.77	20.91	20.83	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	20.88	20.98	20.88	21.9	0.0

n2 Ant1 DSI6 Simultaneous

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	19.21	19.28	19.18	20.3	0.0
20	PI/2 BPSK	1	53	19.07	19.24	19.09		
20	PI/2 BPSK	1	104	19.17	19.29	19.14		
20	PI/2 BPSK	50	0	19.16	19.23	19.19	20.3	0.0
20	PI/2 BPSK	50	28	19.22	19.26	19.10	20.3	0.0
20	PI/2 BPSK	50	56	19.09	19.25	19.17	20.3	0.0
20	PI/2 BPSK	100	0	19.23	19.27	19.21		
20	QPSK	1	1	19.43	19.48	19.40	20.3	0.0
20	QPSK	1	53	19.18	19.29	19.14		
20	QPSK	1	104	19.07	19.24	19.20		
20	QPSK	50	0	19.18	19.21	19.06	20.3	0.0
20	QPSK	50	28	19.10	19.23	19.15	20.3	0.0
20	QPSK	50	56	19.12	19.16	19.08	20.3	0.0
20	QPSK	100	0	19.09	19.23	19.11		
20	16QAM	1	1	19.29	19.43	19.37	20.3	0.0
20	64QAM	1	1	19.20	19.36	19.24	20.3	0.0
20	256QAM	1	1	19.13	19.29	19.22	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	19.40	19.34	19.25	20.3	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	19.27	19.45	19.27	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	19.36	19.31	19.37	20.3	0.0

n5 Ant1 DSI6 Simultaneous

BW [MHz]	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	22.35	22.36	22.34	24.0	0.0
20	PI/2 BPSK	1	53	22.25	22.30	22.24		
20	PI/2 BPSK	1	104	22.09	22.24	22.14		
20	PI/2 BPSK	50	0	22.05	22.23	22.16	24.0	0.0
20	PI/2 BPSK	50	28	22.31	22.34	22.28	24.0	0.0
20	PI/2 BPSK	50	56	22.08	22.27	22.23	24.0	0.0
20	PI/2 BPSK	100	0	22.28	22.32	22.31		
20	QPSK	1	1	22.52	22.55	22.47	24.0	0.0
20	QPSK	1	53	22.24	22.33	22.23		
20	QPSK	1	104	22.26	22.31	22.31		
20	QPSK	50	0	22.09	22.22	22.05	24.0	0.0
20	QPSK	50	28	22.31	22.33	22.17	24.0	0.0
20	QPSK	50	56	22.20	22.22	22.12	24.0	0.0
20	QPSK	100	0	22.13	22.29	22.15		
20	16QAM	1	1	22.42	22.37	22.42	24.0	0.0
20	64QAM	1	1	21.70	21.73	21.58	22.5	1.5
20	256QAM	1	1	19.24	19.43	19.23	20.5	3.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.36	22.36	22.21	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.42	22.33	22.28	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	22.41	22.25	22.29	24.0	0.0

n66 Ant1 DSI6 Simultaneous

BW [MHz]	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	19.24	19.37	19.31	20.6	0.0
40	PI/2 BPSK	1	108	19.20	19.34	19.19		
40	PI/2 BPSK	1	214	19.35	19.42	19.38		
40	PI/2 BPSK	108	0	19.21	19.38	19.32	20.6	0.0
40	PI/2 BPSK	108	54	19.28	19.43	19.32	20.6	0.0
40	PI/2 BPSK	108	108	19.24	19.35	19.20	20.6	0.0
40	PI/2 BPSK	216	0	19.42	19.48	19.34		
40	QPSK	1	1	19.50	19.56	19.46	20.6	0.0
40	QPSK	1	108	19.19	19.34	19.20		
40	QPSK	1	214	19.38	19.43	19.39		
40	QPSK	108	0	19.26	19.38	19.23	20.6	0.0
40	QPSK	108	54	19.32	19.48	19.25	20.6	0.0
40	QPSK	108	108	19.43	19.41	19.36	20.6	0.0
40	QPSK	216	0	19.22	19.35	19.27		
40	16QAM	1	1	19.30	19.33	19.21	20.6	0.0
40	64QAM	1	1	19.27	19.43	19.40	20.6	0.0
40	256QAM	1	1	19.30	19.37	19.31	20.6	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	19.34	19.42	19.43	20.6	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	19.30	19.46	19.36	20.6	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	19.30	19.39	19.32	20.6	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	19.38	19.47	19.25	20.6	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	19.34	19.45	19.33	20.6	0.0

Par27O n77 Ant2_PC3 DSI6 Standalone

BW [MHz]	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)				3755	3840	3930		
100	PI/2 BPSK	1	1	17.59	17.68	17.58	18.6	0.0
100	PI/2 BPSK	1	137	17.48	17.55	17.40		
100	PI/2 BPSK	1	271	17.68	17.75	17.74		
100	PI/2 BPSK	135	0	17.41	17.53	17.45	18.6	0.0
100	PI/2 BPSK	135	69	17.45	17.55	17.44	18.6	0.0
100	PI/2 BPSK	135	138	17.34	17.41	17.39	18.6	0.0
100	PI/2 BPSK	270	0	17.26	17.43	17.34	18.6	
100	QPSK	1	1	17.72	17.77	17.52	18.6	0.0
100	QPSK	1	137	17.53	17.60	17.55		
100	QPSK	1	271	17.62	17.70	17.73		
100	QPSK	135	0	17.40	17.46	17.49	18.6	0.0
100	QPSK	135	69	17.38	17.53	17.27	18.6	0.0
100	QPSK	135	138	17.26	17.41	17.37	18.6	0.0
100	QPSK	270	0	17.24	17.38	17.28	18.6	
100	16QAM	1	1	17.33	17.37	17.22	18.6	0.0
100	64QAM	1	1	17.39	17.40	17.29	18.6	0.0
100	256QAM	1	1	17.13	17.20	17.02	18.6	0.0
Channel				649668	656004	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	17.48	17.55	17.40	18.6	0.0
Channel				649334	656002	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	17.32	17.32	17.30	18.6	0.0
Channel				649002	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	17.37	17.42	17.26	18.6	0.0
Channel				648668	656004	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	17.31	17.41	17.30	18.6	0.0
Channel				648334	656002	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	17.28	17.43	17.29	18.6	0.0
Channel				648002	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	17.31	17.42	17.30	18.6	0.0
Channel				647668	656004	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	17.28	17.41	17.17	18.6	0.0
Channel				647334	656002	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	17.25	17.39	17.27	18.6	0.0

Par27O n77 Ant2_PC2 DSI6 Standalone

BW [MHz]	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)				3755	3840	3930		
100	PI/2 BPSK	1	1	20.51	20.67	20.49	21.6	0.0
100	PI/2 BPSK	1	137	20.56	20.70	20.66		
100	PI/2 BPSK	1	271	20.55	20.73	20.57		
100	PI/2 BPSK	135	0	19.99	20.11	19.94	21.6	0.0
100	PI/2 BPSK	135	69	20.55	20.64	20.52	21.6	0.0
100	PI/2 BPSK	135	138	20.22	20.22	20.07	21.6	0.0
100	PI/2 BPSK	270	0	19.95	20.08	19.93	21.6	0.0
100	QPSK	1	1	20.57	20.76	20.68	21.6	0.0
100	QPSK	1	137	20.66	20.67	20.54		
100	QPSK	1	271	20.53	20.66	20.64		
100	QPSK	135	0	20.42	20.43	20.42	21.6	0.0
100	QPSK	135	69	20.52	20.62	20.56	21.6	0.0
100	QPSK	135	138	20.46	20.47	20.55	21.6	0.0
100	QPSK	270	0	20.42	20.50	20.41	21.6	0.0
100	16QAM	1	1	20.48	20.43	20.46	21.6	0.0
100	64QAM	1	1	20.28	20.33	20.46	21.6	0.0
100	256QAM	1	1	20.36	20.39	20.42	21.6	0.0
Channel				649668	656004	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	20.42	20.57	20.45	21.6	0.0
Channel				649334	656002	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	20.44	20.66	20.48	21.6	0.0
Channel				649002	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	20.37	20.57	20.51	21.6	0.0
Channel				648668	656004	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	20.34	20.65	20.50	21.6	0.0
Channel				648334	656002	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	20.39	20.59	20.52	21.6	0.0
Channel				648002	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	20.32	20.65	20.55	21.6	0.0
Channel				647668	656004	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	20.43	20.54	20.50	21.6	0.0
Channel				647334	656002	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	20.47	20.57	20.44	21.6	0.0

Part27Q n77_Ant 2_PC3 DSI6 Standalone

BW [MHz]	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		17.34		18.6	0.0
100	PI/2 BPSK	1	137		17.49			
100	PI/2 BPSK	1	271		17.45			
100	PI/2 BPSK	135	0		17.47		18.6	0.0
100	PI/2 BPSK	135	69		17.38		18.6	
100	PI/2 BPSK	135	138		17.20		18.6	
100	PI/2 BPSK	270	0		17.41		18.6	0.0
100	QPSK	1	1		17.59		18.6	0.0
100	QPSK	1	137		17.46			
100	QPSK	1	271		17.37			
100	QPSK	135	0		17.41		18.6	0.0
100	QPSK	135	69		17.50		18.6	
100	QPSK	135	138		17.29		18.6	
100	QPSK	270	0		17.37		18.6	0.0
100	16QAM	1	1		17.41		18.6	0.0
100	64QAM	1	1		17.26		18.6	0.0
100	256QAM	1	1		17.35		18.6	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.41	17.63	17.55	20.1	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.18	17.53	17.38	20.1	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	17.28	17.48	17.30	20.1	0.0
Channel				632002	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.26	17.44	17.40	20.1	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.18	17.42	17.35	20.1	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.24	17.45	17.40	20.1	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	17.26	17.44	17.38	20.1	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.26	17.39	17.42	20.1	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		20.51		21.6	0.0
100	PI/2 BPSK	1	137		20.64			
100	PI/2 BPSK	1	271		20.66			
100	PI/2 BPSK	135	0		20.00		21.6	0.0
100	PI/2 BPSK	135	69		20.56		21.6	0.0
100	PI/2 BPSK	135	138		20.13		21.6	0.0
100	PI/2 BPSK	270	0		20.15		21.6	0.0
100	QPSK	1	1		20.68		21.6	0.0
100	QPSK	1	137		20.54			
100	QPSK	1	271		20.50			
100	QPSK	135	0		20.38		21.6	0.0
100	QPSK	135	69		20.58		21.6	0.0
100	QPSK	135	138		20.35		21.6	0.0
100	QPSK	270	0		20.42		21.6	0.0
100	16QAM	1	1		20.29		21.6	0.0
100	64QAM	1	1		19.83		21.6	0.0
100	256QAM	1	1		20.12		21.0	0.6
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	20.31	20.49	20.39	21.6	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.42	20.48	20.36	21.6	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	20.40	20.53	20.35	21.6	0.0
Channel				632002	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	20.34	20.46	20.33	21.6	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	20.34	20.46	20.41	21.6	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	20.34	20.48	20.46	21.6	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	20.37	20.40	20.32	21.6	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	20.39	20.48	20.37	21.6	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		17.48		18.6	0.0
100	PI/2 BPSK	1	137		17.35			
100	PI/2 BPSK	1	271		17.55			
100	PI/2 BPSK	135	0		17.33		18.6	0.0
100	PI/2 BPSK	135	69		17.35		18.6	0.0
100	PI/2 BPSK	135	138		17.21		18.6	0.0
100	PI/2 BPSK	270	0		17.23			
100	QPSK	1	1		17.57		18.6	0.0
100	QPSK	1	137		17.40			
100	QPSK	1	271		17.50			
100	QPSK	135	0		17.23		18.6	0.0
100	QPSK	135	69		17.26		18.6	0.0
100	QPSK	135	138		17.21		18.6	0.0
100	QPSK	270	0		17.18			
100	16QAM	1	1		17.17		18.6	0.0
100	64QAM	1	1		17.34		18.6	0.0
100	256QAM	1	1		17.24		18.6	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	17.22	17.19	17.30	18.6	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	17.18	17.24	17.28	18.6	0.0
Channel				649002	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	17.18	17.24	17.34	18.6	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	17.30	17.28	17.27	18.6	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	17.25	17.20	17.33	18.6	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	17.24	17.26	17.35	18.6	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	17.32	17.28	17.30	18.6	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	17.27	17.28	17.33	18.6	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		17.34		18.6	0.0
100	PI/2 BPSK	1	137		17.29			
100	PI/2 BPSK	1	271		17.42			
100	PI/2 BPSK	135	0		17.31		18.6	0.0
100	PI/2 BPSK	135	69		17.33		18.6	0.0
100	PI/2 BPSK	135	138		17.14		18.6	0.0
100	PI/2 BPSK	270	0		17.17			
100	QPSK	1	1		17.43		18.6	0.0
100	QPSK	1	137		17.31			
100	QPSK	1	271		17.36			
100	QPSK	135	0		17.09		18.6	0.0
100	QPSK	135	69		17.17		18.6	0.0
100	QPSK	135	138		17.16		18.6	0.0
100	QPSK	270	0		17.18			
100	16QAM	1	1		17.13		18.6	0.0
100	64QAM	1	1		17.29		18.6	0.0
100	256QAM	1	1		17.18		18.6	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.18	17.23	17.38	18.6	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.30	17.23	17.38	18.6	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	17.24	17.27	17.26	18.6	0.0
Channel				632002	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.32	17.25	17.34	18.6	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.27	17.23	17.32	18.6	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.19	17.17	17.38	18.6	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	17.24	17.23	17.31	18.6	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.31	17.16	17.35	18.6	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	15.08	15.19	15.10	17.1	0.0
100	PI/2 BPSK	1	137	15.00	15.03	14.93		
100	PI/2 BPSK	1	271	16.21	16.21	16.19		
100	PI/2 BPSK	135	0	15.87	16.02	15.94	17.1	0.0
100	PI/2 BPSK	135	69	16.00	16.03	15.92		
100	PI/2 BPSK	135	138	15.89	15.92	15.85		
100	PI/2 BPSK	270	0	15.74	15.96	15.86	17.1	0.0
100	QPSK	1	1	16.23	16.27	16.01	17.1	0.0
100	QPSK	1	137	16.00	16.12	16.01		
100	QPSK	1	271	16.13	16.21	16.25		
100	QPSK	135	0	15.96	16.04	15.96	17.1	0.0
100	QPSK	135	69	15.85	16.02	15.81	17.1	0.0
100	QPSK	135	138	15.66	15.89	15.91	17.1	0.0
100	QPSK	270	0	15.76	15.91	15.77	17.1	
100	16QAM	1	1	15.85	15.89	15.74	17.1	0.0
100	64QAM	1	1	15.37	15.36	15.22	16.1	1.0
100	256QAM	1	1	15.18	15.49	15.46	14.1	3.0
Channel				649668	656004	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	16.14	16.14	15.95	18.6	0.0
Channel				649334	656002	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	16.11	16.15	15.94	18.6	0.0
Channel				649002	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	16.09	16.18	15.92	18.6	0.0
Channel				648668	656004	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	16.04	16.14	15.94	18.6	0.0
Channel				648334	656002	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	16.11	16.21	15.96	18.6	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	16.08	16.20	15.89	18.6	0.0
Channel				647668	656004	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	16.13	16.11	15.88	18.6	0.0
Channel				647334	656002	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	16.14	16.10	15.85	18.6	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.07	19.23	19.25	20.1	0.0
100	PI/2 BPSK	1	137	19.12	19.26	19.22		
100	PI/2 BPSK	1	271	19.11	19.29	19.13		
100	PI/2 BPSK	135	0	18.45	18.67	18.50	20.1	0.0
100	PI/2 BPSK	135	69	19.11	19.20	19.08		
100	PI/2 BPSK	135	138	18.78	18.78	18.63		
100	PI/2 BPSK	270	0	18.51	18.62	18.41	20.1	0.0
100	QPSK	1	1	19.13	19.32	19.24	20.1	0.0
100	QPSK	1	137	19.22	19.23	19.10		
100	QPSK	1	271	19.09	19.22	19.20		
100	QPSK	135	0	18.18	18.27	18.16	20.1	0.0
100	QPSK	135	69	19.08	19.18	18.92	20.1	0.0
100	QPSK	135	138	18.12	18.13	18.01	20.1	0.0
100	QPSK	270	0	18.16	18.16	17.97	20.1	0.0
100	16QAM	1	1	17.88	18.09	17.91	20.1	0.0
100	64QAM	1	1	18.44	18.03	17.84	20.1	0.0
100	256QAM	1	1	18.72	18.84	18.70	20.1	0.0
Channel				649668	656004	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.98	19.23	19.15	20.1	0.0
Channel				649334	656002	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	18.99	19.15	19.18	20.1	0.0
Channel				649002	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	19.03	19.23	19.10	20.1	0.0
Channel				648668	656004	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	19.05	19.21	19.09	20.1	0.0
Channel				648334	656002	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	19.05	19.19	19.16	20.1	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	18.99	19.12	19.10	20.1	0.0
Channel				647668	656004	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	18.95	19.15	19.08	20.1	0.0
Channel				647334	656002	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	18.99	19.17	19.05	20.1	0.0

Part27Q n77_Ant 2_PC3 DSI6 Simultaneous

BW [MHz]	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		16.16		17.1	0.0
100	PI/2 BPSK	1	137		16.03			
100	PI/2 BPSK	1	271		16.18			
100	PI/2 BPSK	135	0		15.95		17.1	0.0
100	PI/2 BPSK	135	69		15.90			
100	PI/2 BPSK	135	138		15.69			
100	PI/2 BPSK	270	0		15.86		17.1	0.0
100	QPSK	1	1		16.23		17.1	0.0
100	QPSK	1	137		15.97			
100	QPSK	1	271		16.14			
100	QPSK	135	0		15.87		17.1	0.0
100	QPSK	135	69		15.98		17.1	0.0
100	QPSK	135	138		15.82		17.1	0.0
100	QPSK	270	0		15.89		17.1	0.0
100	16QAM	1	1		15.88		17.1	0.0
100	64QAM	1	1		15.83		17.1	0.0
100	256QAM	1	1		16.11		17.1	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	15.95	16.07	16.18	17.1	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.06	16.06	16.05	17.1	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	15.95	15.98	16.11	17.1	0.0
Channel				632002	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	15.98	15.98	16.13	17.1	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	15.95	16.03	16.06	17.1	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	15.94	15.97	16.16	17.1	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.00	16.01	16.04	17.1	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.04	16.07	16.09	17.1	0.0

Part27Q n77_Ant 2_PC2 DSI6 Simultaneous

BW [MHz]	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		19.40		20.1	0.0
100	PI/2 BPSK	1	137		19.51			
100	PI/2 BPSK	1	271		19.51			
100	PI/2 BPSK	135	0		18.93		21.6	0.0
100	PI/2 BPSK	135	69		19.49		20.1	0.0
100	PI/2 BPSK	135	138		19.01		20.1	0.0
100	PI/2 BPSK	270	0		18.75		20.1	0.0
100	QPSK	1	1		19.55		20.1	0.0
100	QPSK	1	137		19.49			
100	QPSK	1	271		19.44			
100	QPSK	135	0		19.21		20.1	0.0
100	QPSK	135	69		19.23		20.1	0.0
100	QPSK	135	138		19.20		20.1	0.0
100	QPSK	270	0		19.33		20.1	0.0
100	16QAM	1	1		19.16		20.1	0.0
100	64QAM	1	1		18.75		20.1	0.0
100	256QAM	1	1		19.42		20.1	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.20	19.27	19.32	20.1	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.30	19.24	19.35	20.1	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.28	19.21	19.25	20.1	0.0
Channel				632002	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.31	19.28	19.38	20.1	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.28	19.20	19.31	20.1	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.27	19.27	19.36	20.1	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.29	19.31	19.39	20.1	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.20	19.32	19.29	20.1	0.0

Part27O n78 Ant2_PC3 DSI6 Simultaneous

BW [MHz]	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		15.09			
100	PI/2 BPSK	1	137		14.93		17.1	0.0
100	PI/2 BPSK	1	271		16.11			
100	PI/2 BPSK	135	0		15.92		17.1	0.0
100	PI/2 BPSK	135	69		15.93		17.1	0.0
100	PI/2 BPSK	135	138		15.82		17.1	0.0
100	PI/2 BPSK	270	0		15.86			
100	QPSK	1	1		16.23			
100	QPSK	1	137		16.02		17.1	0.0
100	QPSK	1	271		16.11			
100	QPSK	135	0		15.94		17.1	0.0
100	QPSK	135	69		15.92		17.1	0.0
100	QPSK	135	138		15.79		17.1	0.0
100	QPSK	270	0		15.81			
100	16QAM	1	1		15.79		17.1	0.0
100	64QAM	1	1		15.75		17.1	0.0
100	256QAM	1	1		15.59		17.1	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	16.12	16.13	16.20	17.1	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	16.01	16.16	16.21	17.1	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	16.05	16.19	16.16	17.1	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	16.02	16.15	16.11	17.1	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	16.08	16.10	16.14	17.1	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	16.01	16.19	16.02	17.1	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	16.06	16.19	16.12	17.1	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	16.02	16.13	16.15	17.1	0.0

Part27Q n78_Ant 2_PC3 DSI6 Simultaneous

BW [MHz]	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		16.08			
100	PI/2 BPSK	1	137		15.93		17.1	0.0
100	PI/2 BPSK	1	271		16.08			
100	PI/2 BPSK	135	0		15.85		17.1	0.0
100	PI/2 BPSK	135	69		15.80		17.1	0.0
100	PI/2 BPSK	135	138		15.99		17.1	0.0
100	PI/2 BPSK	270	0		15.76			
100	QPSK	1	1		16.13			
100	QPSK	1	137		15.87		17.1	0.0
100	QPSK	1	271		16.04			
100	QPSK	135	0		15.77		17.1	0.0
100	QPSK	135	69		15.88		17.1	0.0
100	QPSK	135	138		15.72		17.1	0.0
100	QPSK	270	0		15.79			
100	16QAM	1	1		15.78		17.1	0.0
100	64QAM	1	1		15.75		17.1	0.0
100	256QAM	1	1		15.59		17.1	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	15.70	15.92	15.88	17.1	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	15.67	15.95	15.91	17.1	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	15.61	15.92	15.98	17.1	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	15.65	15.90	15.89	17.1	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	15.65	15.86	16.01	17.1	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	15.62	15.91	15.91	17.1	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	15.67	15.85	15.89	17.1	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	15.70	15.92	15.97	17.1	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	Pi/2 BPSK	1	1	21.04	21.06	20.92	21.9	0.0
100	Pi/2 BPSK	1	137	20.79	21.09	20.90		
100	Pi/2 BPSK	1	271	20.99	21.05	20.84		
100	Pi/2 BPSK	135	0	20.75	20.95	20.83	21.9	0.0
100	Pi/2 BPSK	135	69	20.87	20.88	20.82	21.9	0.0
100	Pi/2 BPSK	135	138	20.79	20.84	20.75	21.9	0.0
100	Pi/2 BPSK	270	0	20.88	20.94	20.72		
100	QPSK	1	1	21.04	21.24	21.06	21.9	0.0
100	QPSK	1	137	21.02	20.91	20.91		
100	QPSK	1	271	21.00	21.19	21.03		
100	QPSK	135	0	20.78	20.98	20.83	21.9	0.0
100	QPSK	135	69	20.79	21.03	20.79	21.9	0.0
100	QPSK	135	138	20.69	20.79	20.64	21.9	0.0
100	QPSK	270	0	20.62	20.67	20.58		
100	16QAM	1	1	20.98	20.98	20.98	21.9	0.0
100	64QAM	1	1	20.20	20.12	20.12	21.9	0.0
100	256QAM	1	1	20.14	20.18	20.02	21.0	0.9
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	20.82	21.07	20.93	21.9	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	20.92	21.06	20.96	21.9	0.0
Channel				648002	656000	663998	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	20.81	21.07	20.83	21.9	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	20.88	20.99	20.90	21.9	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	20.92	21.11	20.89	21.9	0.0
Channel				646999	656000	664999	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	20.90	21.01	20.93	21.9	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	20.83	21.02	20.88	21.9	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	20.90	21.06	20.88	21.9	0.0

Par27O n77 Ant7_PC2 DSI6 Standalone

BW [MHz]	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	23.96	24.07	23.89	24.9	0.0
100	Pi/2 BPSK	1	137	23.98	23.96	23.80		
100	Pi/2 BPSK	1	271	23.85	24.02	23.88		
100	Pi/2 BPSK	135	0	23.39	23.51	23.53	24.9	0.0
100	Pi/2 BPSK	135	69	23.80	23.89	23.82	24.9	0.0
100	Pi/2 BPSK	135	138	23.25	23.34	23.33	24.9	0.0
100	Pi/2 BPSK	270	0	23.22	23.35	23.27	24.9	0.0
100	QPSK	1	1	24.15	24.18	23.99	24.9	0.0
100	QPSK	1	137	23.95	23.95	23.87		
100	QPSK	1	271	23.79	23.87	23.95		
100	QPSK	135	0	23.89	23.91	23.88	24.9	0.0
100	QPSK	135	69	23.62	23.92	23.73	24.9	0.0
100	QPSK	135	138	23.61	23.80	23.81	24.9	0.0
100	QPSK	270	0	23.81	23.87	23.83	24.9	0.0
100	16QAM	1	1	23.75	23.93	23.78	24.9	0.0
100	64QAM	1	1	23.83	23.92	23.73	24.9	0.0
100	256QAM	1	1	20.93	21.11	21.01	22.0	2.9
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	23.96	24.06	23.77	24.9	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	23.96	24.05	23.82	24.9	0.0
Channel				648002	656000	663998	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	24.02	23.95	23.75	24.9	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	23.98	23.95	23.81	24.9	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	23.91	23.99	23.76	24.9	0.0
Channel				646999	656000	664999	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	24.01	23.96	23.75	24.9	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	23.98	24.01	23.88	24.9	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	24.00	23.95	23.77	24.9	0.0

Part27Q n77_Ant 7_PC3 DSI6 Standalone

BW [MHz]	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		20.89		21.9	0.0
100	Pi/2 BPSK	1	137		20.99			
100	Pi/2 BPSK	1	271		20.88			
100	Pi/2 BPSK	135	0		20.84		21.9	0.0
100	Pi/2 BPSK	135	69		20.79		21.9	
100	Pi/2 BPSK	135	138		20.82		21.9	
100	Pi/2 BPSK	270	0		20.86		21.9	0.0
100	QPSK	1	1		21.17		21.9	0.0
100	QPSK	1	137		20.91			
100	QPSK	1	271		21.13			
100	QPSK	135	0		20.93		21.9	0.0
100	QPSK	135	69		20.98		21.9	
100	QPSK	135	138		20.71		21.9	
100	QPSK	270	0		20.85		21.9	0.0
100	16QAM	1	1		20.95		21.9	0.0
100	64QAM	1	1		20.11		21.9	0.0
100	256QAM	1	1		20.12		21.0	0.9
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	20.85	21.13	20.97	21.9	0.0
Channel				632668	633334	634002	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	20.88	21.10	20.92	21.9	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	20.99	21.06	20.92	21.9	0.0
Channel				632002	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	20.91	21.01	20.96	21.9	0.0
Channel				631668	633334	635002	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	20.84	21.12	20.90	21.9	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	20.85	21.09	20.99	21.9	0.0
Channel				631002	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	20.94	21.03	20.93	21.9	0.0
Channel				630668	633334	636002	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	20.89	21.03	20.91	21.9	0.0

Part27Q n77_Ant 7_PC2 DSI6 Standalone

BW [MHz]	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		24.05		24.9	0.0
100	Pi/2 BPSK	1	137		23.95			
100	Pi/2 BPSK	1	271		23.99			
100	Pi/2 BPSK	135	0		23.42		24.9	0.0
100	Pi/2 BPSK	135	69		23.83		24.9	0.0
100	Pi/2 BPSK	135	138		23.24		24.9	0.0
100	Pi/2 BPSK	270	0		23.35		24.9	0.0
100	QPSK	1	1		24.05		24.9	0.0
100	QPSK	1	137		23.81			
100	QPSK	1	271		23.75			
100	QPSK	135	0		23.59		24.9	0.0
100	QPSK	135	69		23.77		24.9	0.0
100	QPSK	135	138		23.36		24.9	0.0
100	QPSK	270	0		23.69		24.9	0.0
100	16QAM	1	1		23.89		24.9	0.0
100	64QAM	1	1		23.38		24.9	0.0
100	256QAM	1	1		21.54		22.5	2.4
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	23.97	23.66	23.75	24.9	0.0
Channel				632668	633334	634002	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	23.97	23.65	23.72	24.9	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	23.92	23.69	23.79	24.9	0.0
Channel				632002	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	23.91	23.74	23.71	24.9	0.0
Channel				631668	633334	635002	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	23.86	23.74	23.74	24.9	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	23.84	23.71	23.78	24.9	0.0
Channel				631002	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	23.87	23.67	23.68	24.9	0.0
Channel				630668	633334	636002	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	23.87	23.69	23.80	24.9	0.0

Part27O n78 Ant7_PC3 DSI6 Standalone

BW [MHz]	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		21.08		21.9	0.0
100	PI/2 BPSK	1	137		21.09			
100	PI/2 BPSK	1	271		21.05			
100	PI/2 BPSK	135	0		20.95		21.9	0.0
100	PI/2 BPSK	135	69		20.88		21.9	0.0
100	PI/2 BPSK	135	138		20.84		21.9	0.0
100	PI/2 BPSK	270	0		20.94		21.9	0.0
100	QPSK	1	1		21.24		21.9	0.0
100	QPSK	1	137		20.91			
100	QPSK	1	271		21.19			
100	QPSK	135	0		20.93		21.9	0.0
100	QPSK	135	69		20.98		21.9	0.0
100	QPSK	135	138		20.79		21.9	0.0
100	QPSK	270	0		20.67		21.9	0.0
100	16QAM	1	1		20.98		21.9	0.0
100	64QAM	1	1		20.39		21.5	0.4
100	256QAM	1	1		18.29		19.5	2.4
Channel				649968	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	21.14	21.06	21.21	21.9	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	21.20	21.17	21.18	21.9	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	21.15	21.16	21.04	21.9	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	21.16	21.08	21.21	21.9	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	21.22	21.11	21.06	21.9	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	21.07	21.16	21.19	21.9	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	21.15	21.16	21.05	21.9	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	21.16	21.12	21.21	21.9	0.0

Part27Q n78_FCC Ant 7_PC3 DSI6 Standalone

BW [MHz]	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		20.79		21.9	0.0
100	PI/2 BPSK	1	137		20.89			
100	PI/2 BPSK	1	271		20.78			
100	PI/2 BPSK	135	0		20.74		21.9	0.0
100	PI/2 BPSK	135	69		20.69		21.9	0.0
100	PI/2 BPSK	135	138		20.72		21.9	0.0
100	PI/2 BPSK	270	0		20.76		21.9	0.0
100	QPSK	1	1		21.07		21.9	0.0
100	QPSK	1	137		20.81			
100	QPSK	1	271		21.03			
100	QPSK	135	0		20.83		21.9	0.0
100	QPSK	135	69		20.86		21.9	0.0
100	QPSK	135	138		20.61		21.9	0.0
100	QPSK	270	0		20.75		21.9	0.0
100	16QAM	1	1		20.85		21.9	0.0
100	64QAM	1	1		20.54		21.5	0.4
100	256QAM	1	1		18.12		19.5	2.4
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
90	QPSK	1	1	20.96	21.03	20.93	21.9	0.0
Channel				632002	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
80	QPSK	1	1	20.99	21.09	20.94	21.9	0.0
Channel				631668	633334	635002	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
70	QPSK	1	1	20.97	21.03	20.95	21.9	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
60	QPSK	1	1	20.91	21.02	20.86		
Channel				631002	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
50	QPSK	1	1	20.90	21.04	20.90	21.9	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.51	3500.01	3537.51		
40	QPSK	1	1	20.96	21.07	20.92	21.9	0.0
Channel				629668	633334	636668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3440.02	3500.01	3540		
30	QPSK	1	1	20.97	21.13	20.92	21.9	0.0
Channel				629334	633334	637334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3427.51	3500.01	3572.51		
20	QPSK	1	1	20.95	21.03	20.90	21.9	0.0

Par27O n77 Ant2_PC3 DSI6 Simultaneous

BW [MHz]	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	19.52	19.55	19.39	20.4	0.0
100	Pi/2 BPSK	1	137	19.33	19.57	19.40		
100	Pi/2 BPSK	1	271	19.42	19.52	19.35		
100	Pi/2 BPSK	135	0	19.29	19.44	19.36	20.4	0.0
100	Pi/2 BPSK	135	69	19.34	19.36	19.37	20.4	0.0
100	Pi/2 BPSK	135	138	19.30	19.38	19.22	20.4	0.0
100	Pi/2 BPSK	270	0	19.34	19.41	19.18		
100	QPSK	1	1	19.54	19.76	19.53	20.4	0.0
100	QPSK	1	137	19.54	19.40	19.42		
100	QPSK	1	271	19.49	19.69	19.57		
100	QPSK	135	0	19.32	19.50	19.37	20.4	0.0
100	QPSK	135	69	19.28	19.45	19.29	20.4	0.0
100	QPSK	135	138	19.14	19.30	19.12	20.4	0.0
100	QPSK	270	0	19.07	19.16	19.05		
100	16QAM	1	1	19.50	19.49	19.51	20.4	0.0
100	64QAM	1	1	19.71	19.64	19.59	20.4	0.0
100	256QAM	1	1	19.53	19.52	19.53	20.4	0.0
Channel				649668	656004	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	19.52	19.65	19.42	20.4	0.0
Channel				649334	656002	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	19.43	19.56	19.40	20.4	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	19.51	19.73	19.51	20.4	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	19.47	19.74	19.49	20.4	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	19.54	19.61	19.48	20.4	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	19.45	19.66	19.52	20.4	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	19.40	19.69	19.49	20.4	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	19.40	19.63	19.43	20.4	0.0

Par27O n77 Ant2_PC2 DSI6 Simultaneous

BW [MHz]	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	22.38	22.43	22.29	23.4	0.0
100	Pi/2 BPSK	1	137	22.42	22.33	22.20		
100	Pi/2 BPSK	1	271	22.22	22.42	22.32		
100	Pi/2 BPSK	135	0	21.77	21.95	21.93	23.4	0.0
100	Pi/2 BPSK	135	69	22.17	22.27	22.26	23.4	0.0
100	Pi/2 BPSK	135	138	21.60	21.76	21.71	23.4	0.5
100	Pi/2 BPSK	270	0	21.61	21.75	21.67	23.4	0.5
100	QPSK	1	1	22.53	22.64	22.43	23.4	0.0
100	QPSK	1	137	22.36	22.39	22.27		
100	QPSK	1	271	22.20	22.22	22.34		
100	QPSK	135	0	22.30	22.28	22.25	23.4	0.0
100	QPSK	135	69	22.01	22.27	22.17	23.4	0.0
100	QPSK	135	138	20.98	21.20	21.17	23.4	0.0
100	QPSK	270	0	21.20	21.23	21.18	23.4	0.0
100	16QAM	1	1	21.50	21.73	21.55	23.4	0.0
100	64QAM	1	1	21.49	21.67	21.51	23.4	0.0
100	256QAM	1	1	20.93	21.11	21.01	22.5	0.9
Channel				649668	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	22.37	22.52	22.31	23.4	0.0
Channel				649334	656002	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	22.34	22.43	22.23	23.4	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	22.43	22.49	22.21	23.4	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	22.33	22.44	22.19	23.4	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	22.39	22.42	22.21	23.4	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	22.33	22.53	22.21	23.4	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	22.35	22.50	22.29	23.4	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	22.30	22.44	22.26	23.4	0.0

Part27Q n77_Ant 7_PC3 DSI6 Simultaneous

BW [MHz]	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		19.39		20.4	0.0
100	Pi/2 BPSK	1	137		19.47			
100	Pi/2 BPSK	1	271		19.42			
100	Pi/2 BPSK	135	0		19.31		20.4	0.0
100	Pi/2 BPSK	135	69		19.32		20.4	0.0
100	Pi/2 BPSK	135	138		19.29		20.4	0.0
100	Pi/2 BPSK	270	0		19.35		20.4	0.0
100	QPSK	1	1		19.67		20.4	0.0
100	QPSK	1	137		19.42			
100	QPSK	1	271		19.64			
100	QPSK	135	0		19.41		20.4	0.0
100	QPSK	135	69		19.42		20.4	0.0
100	QPSK	135	138		19.17		20.4	0.0
100	QPSK	270	0		19.34		20.4	0.0
100	16QAM	1	1		19.49		20.4	0.0
100	64QAM	1	1		19.26		20.4	0.0
100	256QAM	1	1		19.30		20.4	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	19.34	19.43	19.42	20.4	0.0
Channel				632668	633334	634002	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	19.32	19.56	19.36	20.4	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	19.28	19.43	19.40	20.4	0.0
Channel				632002	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	19.35	19.51	19.33	20.4	0.0
Channel				631668	633334	635002	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	19.33	19.45	19.46	20.4	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	19.38	19.51	19.38	20.4	0.0
Channel				631002	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	19.32	19.57	19.36	20.4	0.0
Channel				630668	633334	636002	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	19.32	19.50	19.39	20.4	0.0

Part27Q n77_Ant 7_PC2 DSI6 Simultaneous

BW [MHz]	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		22.47		23.4	0.0
100	Pi/2 BPSK	1	137		22.37			
100	Pi/2 BPSK	1	271		22.41			
100	Pi/2 BPSK	135	0		21.84		23.4	0.0
100	Pi/2 BPSK	135	69		22.25		23.4	0.0
100	Pi/2 BPSK	135	138		21.69		23.4	0.0
100	Pi/2 BPSK	270	0		21.77		23.4	0.0
100	QPSK	1	1		22.48		23.4	0.0
100	QPSK	1	137		22.23			
100	QPSK	1	271		22.21			
100	QPSK	135	0		22.01		23.4	0.0
100	QPSK	135	69		22.19		23.4	0.0
100	QPSK	135	138		21.78		23.4	0.0
100	QPSK	270	0		21.71		23.4	0.0
100	16QAM	1	1		21.81		23.4	0.0
100	64QAM	1	1		22.10		23.4	0.0
100	256QAM	1	1		21.01		22.5	0.9
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	22.45	22.36	22.35	23.4	0.0
Channel				632668	633334	634002	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	22.59	22.36	22.40	23.4	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	22.50	22.35	22.35	23.4	0.0
Channel				632002	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	22.45	22.32	22.43	23.4	0.0
Channel				631668	633334	635002	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	22.50	22.33	22.38	23.4	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	22.57	22.36	22.36	23.4	0.0
Channel				631002	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	22.58	22.31	22.37	23.4	0.0
Channel				630668	633334	636002	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	22.58	22.37	22.41	23.4	0.0

Part27O n78 Ant2_PC3 DSI6 Simultaneous

BW [MHz]	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		19.32			
100	PI/2 BPSK	1	137		19.46		20.4	0.0
100	PI/2 BPSK	1	271		19.40			
100	PI/2 BPSK	135	0		19.25		20.4	0.0
100	PI/2 BPSK	135	69		19.26		20.4	0.0
100	PI/2 BPSK	135	138		19.24		20.4	0.0
100	PI/2 BPSK	270	0		19.34		20.4	0.0
100	QPSK	1	1		19.65		20.4	0.0
100	QPSK	1	137		19.36			
100	QPSK	1	271		19.60			
100	QPSK	135	0		19.35		20.4	0.0
100	QPSK	135	69		19.43		20.4	0.0
100	QPSK	135	138		19.15		20.4	0.0
100	QPSK	270	0		19.27		20.4	0.0
100	16QAM	1	1		19.46		20.4	0.0
100	64QAM	1	1		19.17		20.4	0.0
100	256QAM	1	1		18.28		19.5	0.9
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	19.35	19.44	19.37	20.4	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	19.27	19.33	19.36	20.4	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	19.24	19.39	19.32	20.4	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	19.29	19.30	19.32	20.4	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	19.32	19.38	19.28	20.4	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	19.35	19.39	19.41	20.4	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	19.36	19.38	19.28	20.4	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	19.31	19.34	19.38	20.4	0.0

Part27Q n78_FCC Ant 7_PC3 DSI6 Simultaneous

BW [MHz]	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		19.34			
100	PI/2 BPSK	1	137		19.47		20.4	0.0
100	PI/2 BPSK	1	271		19.43			
100	PI/2 BPSK	135	0		19.32		20.4	0.0
100	PI/2 BPSK	135	69		19.33		20.4	0.0
100	PI/2 BPSK	135	138		19.24		20.4	0.0
100	PI/2 BPSK	270	0		19.34		20.4	0.0
100	QPSK	1	1		19.64		20.4	0.0
100	QPSK	1	137		19.38			
100	QPSK	1	271		19.61			
100	QPSK	135	0		19.40		20.4	0.0
100	QPSK	135	69		19.41		20.4	0.0
100	QPSK	135	138		19.19		20.4	0.0
100	QPSK	270	0		19.37		20.4	0.0
100	16QAM	1	1		19.42		20.4	0.0
100	64QAM	1	1		18.80		20.4	0.0
100	256QAM	1	1		18.09		19.5	0.9
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
90	QPSK	1	1	19.33	19.43	19.39	20.4	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
80	QPSK	1	1	19.35	19.39	19.36	20.4	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
70	QPSK	1	1	19.30	19.41	19.32	20.4	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
60	QPSK	1	1	19.28	19.43	19.33		
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
50	QPSK	1	1	19.31	19.33	19.35	20.4	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.51	3500.01	3537.51		
40	QPSK	1	1	19.29	19.42	19.28	20.4	0.0
Channel				629668	633334	636668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3440.02	3500.01	3540		
30	QPSK	1	1	19.30	19.34	19.35	20.4	0.0
Channel				629334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3430.01	3500.01	3545.01		
20	QPSK	1	1	19.35	19.32	19.39	20.4	0.0

Full Power level/Default Power level/ Pmax Power Level for SRS

Par27O n77 Ant 3_PC3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	22.67	22.78	22.86	24.0	0.0
100	PI/2 BPSK	1	137	22.62	22.63	22.56		
100	PI/2 BPSK	1	271	22.92	22.90	22.73		
100	PI/2 BPSK	135	0	22.53	22.61	22.62		
100	PI/2 BPSK	135	69	22.71	22.70	22.51		
100	PI/2 BPSK	135	138	22.62	22.80	22.76		
100	PI/2 BPSK	270	0	22.63	22.70	22.64		
100	QPSK	1	1	22.96	23.04	22.83	24.0	0.0
100	QPSK	1	137	22.74	22.79	22.68		
100	QPSK	1	271	22.76	23.02	22.83		
100	QPSK	135	0	22.57	22.69	22.60		
100	QPSK	135	69	22.62	22.70	22.67		
100	QPSK	135	138	22.65	22.70	22.65		
100	QPSK	270	0	22.63	22.66	22.56		
100	16QAM	1	1	22.42	22.40	22.42	24.0	0.0
100	64QAM	1	1	21.84	21.88	21.87	23.0	1.0
100	256QAM	1	1	19.81	19.87	19.66	21.0	3.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.79	22.77	22.57	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	22.82	22.91	22.62	24.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	22.64	22.89	22.52	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	22.70	22.75	22.67	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	22.70	22.86	22.61	24.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.81	22.84	22.61	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	22.79	22.73	22.56	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	22.74	22.80	22.51	24.0	0.0

Par27O n77 Ant 3_PC2

BW [MHz]	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	25.54	25.80	25.59	27.0	0.0
100	PI/2 BPSK	1	137	25.65	25.71	25.68		
100	PI/2 BPSK	1	271	25.77	25.99	25.89		
100	PI/2 BPSK	135	0	25.29	25.35	25.32	26.5	0.5
100	PI/2 BPSK	135	69	25.72	25.86	25.77	27.0	0.0
100	PI/2 BPSK	135	138	25.35	25.41	25.21	26.5	0.5
100	PI/2 BPSK	270	0	25.26	25.42	25.41	26.5	0.5
100	QPSK	1	1	25.80	26.00	25.92	27.0	0.0
100	QPSK	1	137	25.70	25.78	25.67		
100	QPSK	1	271	25.84	25.91	25.81		
100	QPSK	135	0	24.84	24.86	24.79	26.5	0.5
100	QPSK	135	69	25.69	25.75	25.62	27.0	0.0
100	QPSK	135	138	24.71	24.98	24.83	26.5	0.5
100	QPSK	270	0	24.77	24.98	24.90	26.5	0.5
100	16QAM	1	1	24.85	24.91	24.86	26.5	0.5
100	64QAM	1	1	23.45	23.53	23.44	25.0	2.0
100	256QAM	1	1	21.24	21.39	21.36	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	25.50	25.76	25.73	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	25.59	25.76	25.72	27.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	25.49	25.79	25.69	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	25.52	25.74	25.59	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	25.60	25.69	25.65	27.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	25.62	25.83	25.74	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	25.64	25.75	25.74	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	25.60	25.69	25.69	27.0	0.0

Part27Q n77_Ant 3_PC3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		22.64		24.0	0.0
100	PI/2 BPSK	1	137		22.59			
100	PI/2 BPSK	1	271		22.75			
100	PI/2 BPSK	135	0		22.49			
100	PI/2 BPSK	135	69		22.64			
100	PI/2 BPSK	135	138		22.64			
100	PI/2 BPSK	270	0		22.66			
100	QPSK	1	1		23.02		24.0	0.0
100	QPSK	1	137		22.76			
100	QPSK	1	271		22.97			
100	QPSK	135	0		22.49			
100	QPSK	135	69		22.65			
100	QPSK	135	138		22.62			
100	QPSK	270	0		22.52			
100	16QAM	1	1		22.35		24.0	0.0
100	64QAM	1	1		21.77		23.0	1.0
100	256QAM	1	1		19.67		21.0	3.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.51	22.86	22.59	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	22.53	22.79	22.55	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	22.52	22.83	22.51	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	22.80	22.78	22.57	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	22.45	22.84	22.64	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	22.59	22.85	22.61	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	22.43	22.82	22.48	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	22.58	22.80	22.62	24.0	0.0

Part27Q n77_Ant 3_PC2

BW [MHz]	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		25.66		27.0	0.0
100	PI/2 BPSK	1	137		25.57			
100	PI/2 BPSK	1	271		25.86			
100	PI/2 BPSK	135	0		25.15		26.5	0.5
100	PI/2 BPSK	135	69		25.78		27.0	0.0
100	PI/2 BPSK	135	138		25.26		26.5	0.5
100	PI/2 BPSK	270	0		25.35		26.5	0.5
100	QPSK	1	1		25.91		27.0	0.0
100	QPSK	1	137		25.65			
100	QPSK	1	271		25.83			
100	QPSK	135	0		24.68		26.5	0.5
100	QPSK	135	69		25.64		27.0	0.0
100	QPSK	135	138		24.88		26.5	0.5
100	QPSK	270	0		24.79		26.5	0.5
100	16QAM	1	1		24.85		26.5	0.5
100	64QAM	1	1		23.48		25.0	2.0
100	256QAM	1	1		21.32		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	25.50	25.87	25.60	27.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	25.55	25.85	25.74	27.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	25.51	25.71	25.65	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	25.53	25.81	25.62	27.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	25.54	25.72	25.68	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	25.53	25.84	25.75	27.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	25.57	25.81	25.66	27.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	25.48	25.74	25.75	27.0	0.0

Part27O n78 Ant 3_PC3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				850000	650000	850000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		22.38			
100	PI/2 BPSK	1	137		22.58		24.0	0.0
100	PI/2 BPSK	1	271		22.51			
100	PI/2 BPSK	135	0		22.01		23.5	0.5
100	PI/2 BPSK	135	69		22.39		24.0	0.0
100	PI/2 BPSK	135	138		22.53		23.5	0.5
100	PI/2 BPSK	270	0		22.03			
100	QPSK	1	1		22.86			
100	QPSK	1	137		22.51		24.0	0.0
100	QPSK	1	271		22.38			
100	QPSK	135	0		21.50		23.0	1.0
100	QPSK	135	69		22.57		24.0	0.0
100	QPSK	135	138		21.54		23.0	1.0
100	QPSK	270	0		21.59			
100	16QAM	1	1		21.80		23.0	1.0
100	64QAM	1	1		20.36		21.5	2.5
100	256QAM	1	1		18.08		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	22.39	22.76	22.53	24.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	22.48	22.74	22.49	24.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	22.82	22.67	22.56	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	22.42	22.73	22.41	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	22.39	22.74	22.57	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	22.46	22.70	22.49	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	22.48	22.74	22.57	24.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	22.37	22.63	22.57	24.0	0.0

Part27Q n78_Ant 3_PC3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		22.21			
100	PI/2 BPSK	1	137		22.40		24.0	0.0
100	PI/2 BPSK	1	271		22.42			
100	PI/2 BPSK	135	0		21.95		23.5	0.5
100	PI/2 BPSK	135	69		22.39		24.0	0.0
100	PI/2 BPSK	135	138		22.42		23.5	0.5
100	PI/2 BPSK	270	0		21.94			
100	QPSK	1	1		22.83			
100	QPSK	1	137		22.41		24.0	0.0
100	QPSK	1	271		22.28			
100	QPSK	135	0		21.42		23.0	1.0
100	QPSK	135	69		22.53		24.0	0.0
100	QPSK	135	138		21.47		23.0	1.0
100	QPSK	270	0		21.48			
100	16QAM	1	1		21.69		23.0	1.0
100	64QAM	1	1		20.25		21.5	2.5
100	256QAM	1	1		17.97		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	22.54	22.77	22.55	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	22.50	22.75	22.41	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	22.53	22.80	22.58	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	22.44	22.71	22.54	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	22.38	22.72	22.42	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	22.53	22.69	22.58	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	22.42	22.78	22.48	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	22.48	22.71	22.59	24.0	0.0

Par27O n77 Ant 8_PC3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	22.88	22.96	22.85		
100	PI/2 BPSK	1	137	22.82	22.94	22.89	24.0	0.0
100	PI/2 BPSK	1	271	22.93	22.95	22.85		
100	PI/2 BPSK	135	0	22.76	22.87	22.81	24.0	0.0
100	PI/2 BPSK	135	69	22.71	22.81	22.72	24.0	0.0
100	PI/2 BPSK	135	138	22.72	22.76	22.69	24.0	0.0
100	PI/2 BPSK	270	0	22.68	22.82	22.79		
100	QPSK	1	1	23.02	23.09	22.96		
100	QPSK	1	137	22.80	22.92	22.90	24.0	0.0
100	QPSK	1	271	22.88	22.99	22.95		
100	QPSK	135	0	22.84	22.82	22.79	24.0	0.0
100	QPSK	135	69	22.71	22.88	22.74	24.0	0.0
100	QPSK	135	138	22.68	22.77	22.64	24.0	0.0
100	QPSK	270	0	22.74	22.84	22.80		
100	16QAM	1	1	22.66	22.74	22.65	24.0	0.0
100	64QAM	1	1	21.64	21.86	21.61	23.0	1.0
100	256QAM	1	1	20.43	20.55	20.49	21.0	3.0
Channel				649668	656000	662234	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	22.82	22.96	22.77	24.0	0.0
Channel				649334	656000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	22.88	22.96	22.82	24.0	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	22.75	22.90	22.79	24.0	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	22.77	22.93	22.85	24.0	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	22.78	22.82	22.71	24.0	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	22.77	22.82	22.69	24.0	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	22.88	22.85	22.84	24.0	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	22.86	22.88	22.75	24.0	0.0

Par27O n77 Ant 8_PC2

BW [MHz]	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	26.17	26.29	26.26		
100	PI/2 BPSK	1	137	26.15	26.25	26.18	27.0	0.0
100	PI/2 BPSK	1	271	26.18	26.28	26.18		
100	PI/2 BPSK	135	0	25.72	25.75	25.69	26.5	0.5
100	PI/2 BPSK	135	69	26.07	26.17	26.07	27.0	0.0
100	PI/2 BPSK	135	138	25.68	25.71	25.62	26.5	0.5
100	PI/2 BPSK	270	0	25.73	25.78	25.75	26.5	0.5
100	QPSK	1	1	26.19	26.32	26.29		
100	QPSK	1	137	26.16	26.22	26.18	27.0	0.0
100	QPSK	1	271	26.14	26.26	26.20		
100	QPSK	135	0	25.15	25.28	25.18	26.5	0.5
100	QPSK	135	69	26.05	26.11	26.04	27.0	0.0
100	QPSK	135	138	25.14	25.24	25.20	26.5	0.5
100	QPSK	270	0	25.17	25.27	25.22	26.5	0.5
100	16QAM	1	1	25.13	25.17	25.08	26.5	0.5
100	64QAM	1	1	23.98	24.07	24.00	25.0	2.0
100	256QAM	1	1	21.83	21.92	21.86	22.5	4.5
Channel				649668	656000	662234	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	26.00	26.19	26.06	27.0	0.0
Channel				649334	656000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	25.94	26.21	26.04	27.0	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	25.94	26.13	26.10	27.0	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	25.96	26.10	26.14	27.0	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	25.96	26.12	26.12	27.0	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	26.06	26.20	25.99	27.0	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	26.04	26.07	26.16	27.0	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	25.97	26.17	26.08	27.0	0.0

Part27Q n77_Ant 8_PC3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		22.85			
100	PI/2 BPSK	1	137		22.89		24.0	0.0
100	PI/2 BPSK	1	271		22.90			
100	PI/2 BPSK	135	0		22.72			
100	PI/2 BPSK	135	69		22.67		24.0	0.0
100	PI/2 BPSK	135	138		22.75			
100	PI/2 BPSK	270	0		22.68		24.0	0.0
100	QPSK	1	1		22.99			
100	QPSK	1	137		22.89		24.0	0.0
100	QPSK	1	271		22.95			
100	QPSK	135	0		22.68			
100	QPSK	135	69		22.82		24.0	0.0
100	QPSK	135	138		22.65			
100	QPSK	270	0		22.67		24.0	0.0
100	16QAM	1	1		22.61		24.0	0.0
100	64QAM	1	1		21.55		23.0	1.0
100	256QAM	1	1		20.41		21.0	3.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	22.62	22.84	22.53	24.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	22.65	22.88	22.55	24.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	22.55	22.78	22.55	24.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	22.63	22.75	22.61	24.0	0.0
Channel				631668	633334	635002	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	22.57	22.75	22.64	24.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	22.59	22.83	22.61	24.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	22.63	22.87	22.68	24.0	0.0
Channel				630668	633334	636002	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	22.61	22.74	22.70	24.0	0.0

Part27Q n77_Ant 8_PC2

BW [MHz]	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		26.13			
100	PI/2 BPSK	1	137		26.21		27.0	0.0
100	PI/2 BPSK	1	271		26.08			
100	PI/2 BPSK	135	0		25.69		26.5	0.5
100	PI/2 BPSK	135	69		26.05		27.0	0.0
100	PI/2 BPSK	135	138		25.66		26.5	0.5
100	PI/2 BPSK	270	0		25.71		26.5	0.5
100	QPSK	1	1		26.23			
100	QPSK	1	137		26.10		27.0	0.0
100	QPSK	1	271		26.21			
100	QPSK	135	0		25.24		26.5	0.5
100	QPSK	135	69		26.02		27.0	0.0
100	QPSK	135	138		25.10		26.5	0.5
100	QPSK	270	0		25.27		26.5	0.5
100	16QAM	1	1		25.12		26.5	0.5
100	64QAM	1	1		24.04		25.0	2.0
100	256QAM	1	1		21.76		22.5	4.5
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	25.97	25.97	25.92	27.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	25.84	26.03	25.96	27.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	25.82	26.14	26.02	27.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	25.97	26.10	25.90	27.0	0.0
Channel				631668	633334	635002	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	25.89	26.14	25.95	27.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	25.97	26.13	26.01	27.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	25.81	26.12	25.96	27.0	0.0
Channel				630668	633334	636002	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	25.97	26.13	25.85	27.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		23.01		24.0	0.0
100	PI/2 BPSK	1	137		23.02			
100	PI/2 BPSK	1	271		23.00			
100	PI/2 BPSK	135	0		22.56		23.5	0.5
100	PI/2 BPSK	135	69		23.02		24.0	0.0
100	PI/2 BPSK	135	138		22.53		23.5	0.5
100	PI/2 BPSK	270	0		22.57			
100	QPSK	1	1		23.03		24.0	0.0
100	QPSK	1	137		22.99			
100	QPSK	1	271		23.01			
100	QPSK	135	0		22.19		23.0	1.0
100	QPSK	135	69		22.99		24.0	0.0
100	QPSK	135	138		21.98		23.0	1.0
100	QPSK	270	0		22.02			
100	16QAM	1	1		22.28		23.0	1.0
100	64QAM	1	1		20.77		21.5	2.5
100	256QAM	1	1		18.53		19.5	4.5
Channel				643668	650000	656334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	22.72	22.85	22.57	24.0	0.0
Channel				643334	650000	656668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	22.70	22.71	22.65	24.0	0.0
Channel				643002	650000	657000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	22.56	22.84	22.67	24.0	0.0
Channel				642668	650000	657334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	22.63	22.84	22.67	24.0	0.0
Channel				642334	650000	657668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	22.61	22.85	22.68	24.0	0.0
Channel				642002	650000	658000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	22.56	22.86	22.68	24.0	0.0
Channel				641668	650000	658334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	22.66	22.80	22.53	24.0	0.0
Channel				641334	650000	658668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	22.54	22.69	22.64	24.0	0.0

Part27Q n78_Ant 8_PC3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		22.87		24.0	0.0
100	PI/2 BPSK	1	137		22.84			
100	PI/2 BPSK	1	271		22.83			
100	PI/2 BPSK	135	0		22.45		24.0	0.0
100	PI/2 BPSK	135	69		22.86			
100	PI/2 BPSK	135	138		22.42			
100	PI/2 BPSK	270	0		22.50		23.5	0.5
100	QPSK	1	1		22.97		24.0	0.0
100	QPSK	1	137		22.80			
100	QPSK	1	271		22.84			
100	QPSK	135	0		22.07		24.0	0.0
100	QPSK	135	69		22.89			
100	QPSK	135	138		21.95			
100	QPSK	270	0		21.98		23.0	1.0
100	16QAM	1	1		22.14		24.0	1.0
100	64QAM	1	1		20.72		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	22.60	22.73	22.58	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	22.60	22.83	22.65	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	22.58	22.82	22.54	24.0	0.0
Channel				632002	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	22.52	22.71	22.62	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	22.58	22.85	22.61	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	22.70	22.78	22.70	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	22.71	22.83	22.62	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	22.68	22.77	22.54	24.0	0.0

Reduced Power Level for SRS

Par27O n77 Ant8_PC3 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				656000	656500	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	18.03	17.91	17.87	18.2	0.0
100	PI/2 BPSK	1	137	17.97	18.05	17.97		
100	PI/2 BPSK	1	271	18.03	18.10	18.01		
100	PI/2 BPSK	135	0	17.86	17.95	18.03	18.2	0.0
100	PI/2 BPSK	135	69	17.95	17.93	18.06	18.2	0.0
100	PI/2 BPSK	135	138	17.95	17.95	18.01	18.2	0.0
100	PI/2 BPSK	270	0	17.87	17.91	18.00		
100	QPSK	1	1	18.08	18.11	18.08	18.2	0.0
100	QPSK	1	137	17.91	18.01	17.98		
100	QPSK	1	271	18.02	18.10	18.10		
100	QPSK	135	0	17.77	17.94	17.80	18.2	0.0
100	QPSK	135	69	17.83	17.96	17.89	18.2	0.0
100	QPSK	135	138	17.91	17.85	17.89	18.2	0.0
100	QPSK	270	0	17.90	17.91	17.84		
100	16QAM	1	1	17.95	17.90	17.92	18.2	0.0
100	64QAM	1	1	18.06	18.02	18.04	18.2	0.0
100	256QAM	1	1	17.98	17.90	17.99	18.2	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.05	17.84	18.00	18.2	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3743.01	3840	3940.02		
80	QPSK	1	1	17.89	17.85	17.83	18.2	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	17.88	17.88	17.88	18.2	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	18.00	17.95	17.98	18.2	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	17.86	17.81	18.05	18.2	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	17.88	17.97	17.86	18.2	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	17.99	17.79	17.88	18.2	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3713.01	3840	3970.02		
20	QPSK	1	1	17.92	17.95	18.00	18.2	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				656000	656500	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.25	19.22	19.21	21.2	0.0
100	PI/2 BPSK	1	137	19.32	19.28	19.32		
100	PI/2 BPSK	1	271	19.30	19.21	19.20		
100	PI/2 BPSK	135	0	19.24	19.25	19.25	21.2	0.0
100	PI/2 BPSK	135	69	19.27	19.28	19.25	21.2	0.0
100	PI/2 BPSK	135	138	19.30	19.22	19.26	21.2	0.0
100	PI/2 BPSK	270	0	19.28	19.26	19.21		
100	QPSK	1	1	19.40	20.52	19.40		
100	QPSK	1	137	19.29	19.31	19.32	21.2	0.0
100	QPSK	1	271	19.41	19.40	19.33		
100	QPSK	135	0	19.27	19.21	19.25	21.2	0.0
100	QPSK	135	69	19.21	19.38	19.24	21.2	0.0
100	QPSK	135	138	19.28	19.26	19.25	21.2	0.0
100	QPSK	270	0	19.26	19.36	19.28		
100	16QAM	1	1	19.24	19.26	19.26	21.2	0.0
100	64QAM	1	1	19.35	19.39	19.35	21.2	0.0
100	256QAM	1	1	19.38	19.29	19.40	21.2	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	19.21	19.25	19.26	21.2	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3743.01	3840	3940.02		
80	QPSK	1	1	19.34	19.27	19.27	21.2	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	19.24	19.23	19.21	21.2	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	19.34	19.33	21.2	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	19.27	19.23	19.28	21.2	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	19.32	19.29	19.31	21.2	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	19.26	19.28	19.27	21.2	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3713.01	3840	3970.02		
20	QPSK	1	1	19.25	19.26	19.23	21.2	0.0

Part27Q n77_Ant 8_PC3 DSI3

BW [MHz]	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		17.76		18.2	0.0
100	PI/2 BPSK	1	137		17.80			
100	PI/2 BPSK	1	271		17.78			
100	PI/2 BPSK	135	0		17.76		18.2	0.0
100	PI/2 BPSK	135	69		17.74			
100	PI/2 BPSK	135	138		17.74			
100	PI/2 BPSK	270	0		17.59		18.2	0.0
100	QPSK	1	1		17.85		18.2	0.0
100	QPSK	1	137		17.76			
100	QPSK	1	271		17.80			
100	QPSK	135	0		17.68		18.2	0.0
100	QPSK	135	69		17.76			
100	QPSK	135	138		17.81			
100	QPSK	270	0		17.55		18.2	0.0
100	16QAM	1	1		17.68		18.2	0.0
100	64QAM	1	1		17.75		18.2	0.0
100	256QAM	1	1		17.64		18.2	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.58	17.63	17.54	18.2	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.74	17.70	17.55	18.2	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	17.75	17.62	17.68	18.2	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.74	17.62	17.58	18.2	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.71	17.63	17.75	18.2	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.74	17.80	17.74	18.2	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	17.77	17.58	17.52	18.2	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.65	17.69	17.88	18.2	0.0

Part27Q n77_Ant 8_PC2 DSI3

BW [MHz]	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		20.04		21.2	0.0
100	PI/2 BPSK	1	137		19.93			
100	PI/2 BPSK	1	271		20.01			
100	PI/2 BPSK	135	0		19.76		21.2	0.0
100	PI/2 BPSK	135	69		19.88			
100	PI/2 BPSK	135	138		19.73			
100	PI/2 BPSK	270	0		19.87		21.2	0.0
100	QPSK	1	1		20.14		21.2	0.0
100	QPSK	1	137		19.99			
100	QPSK	1	271		20.04			
100	QPSK	135	0		19.73		21.2	0.0
100	QPSK	135	69		19.90			
100	QPSK	135	138		19.72			
100	QPSK	270	0		19.92		21.2	0.0
100	16QAM	1	1		19.87		21.2	0.0
100	64QAM	1	1		20.03		21.2	0.0
100	256QAM	1	1		19.85		21.2	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	20.05	19.95	21.2	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.93	20.07	19.82	21.2	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.03	19.90	19.96	21.2	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.05	20.09	19.92	21.2	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.06	19.90	19.97	21.2	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.05	19.96	19.86	21.2	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.85	19.90	19.92	21.2	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	19.95	19.92	21.2	0.0

Part27O n78 Ant8_PC3 DSI3

BW [MHz]	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		16.81		18.2	0.0
100	PI/2 BPSK	1	137		16.84			
100	PI/2 BPSK	1	271		16.86			
100	PI/2 BPSK	135	0		16.78		18.2	0.0
100	PI/2 BPSK	135	69		16.75		18.2	0.0
100	PI/2 BPSK	135	138		16.76		18.2	0.0
100	PI/2 BPSK	270	0		16.73			
100	QPSK	1	1		17.02		18.2	0.0
100	QPSK	1	137		16.82			
100	QPSK	1	271		16.80			
100	QPSK	135	0		16.86		18.2	0.0
100	QPSK	135	69		16.97		18.2	0.0
100	QPSK	135	138		16.70		18.2	0.0
100	QPSK	270	0		16.74			
100	16QAM	1	1		17.00		18.2	0.0
100	64QAM	1	1		16.93		18.2	0.0
100	256QAM	1	1		16.76		18.2	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	16.80	16.85	16.91	18.2	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	16.90	16.88	16.86	18.2	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730	3750	3765		
70	QPSK	1	1	16.81	16.92	16.90	18.2	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720.02	3750	3770.01		
60	QPSK	1	1	16.76	16.90	16.80	18.2	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3775.02		
50	QPSK	1	1	16.89	16.97	16.83	18.2	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3700	3750	3790		
40	QPSK	1	1	16.88	16.96	16.88	18.2	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3690.02	3750	3785.01		
30	QPSK	1	1	16.86	16.92	16.81	18.2	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3680.01	3750	3790.02		
20	QPSK	1	1	16.97	16.91	16.79	18.2	0.0

Part27Q n78_Ant 8_PC3 DSI3

BW [MHz]	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		17.07		18.2	0.0
100	PI/2 BPSK	1	137		17.05			
100	PI/2 BPSK	1	271		17.11			
100	PI/2 BPSK	135	0		16.87		18.2	0.0
100	PI/2 BPSK	135	69		16.94		18.2	0.0
100	PI/2 BPSK	135	138		16.96		18.2	0.0
100	PI/2 BPSK	270	0		16.96			
100	QPSK	1	1		17.24		18.2	0.0
100	QPSK	1	137		17.05			
100	QPSK	1	271		17.18			
100	QPSK	135	0		17.10		18.2	0.0
100	QPSK	135	69		17.20		18.2	0.0
100	QPSK	135	138		17.00		18.2	0.0
100	QPSK	270	0		17.00			
100	16QAM	1	1		17.09		18.2	0.0
100	64QAM	1	1		17.18		18.2	0.0
100	256QAM	1	1		16.97		18.2	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.99	17.01	17.04	18.2	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.14	17.06	16.97	18.2	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	17.14	17.11	17.11	18.2	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.02	17.07	17.11	18.2	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.07	17.04	17.02	18.2	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.01	17.20	16.96	18.2	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	17.19	17.09	17.08	18.2	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.14	17.03	16.96	18.2	0.0

WLAN/Bluetooth Power

				Ant 4+6 Full Power		Ant 4+6 Head (Standalone)&Body-worn(Simultaneous For DBS Only)		Ant 4+6 Head (Simultaneous For DBS Only)		Ant 4+6 Head (Simultaneous For WWAN + Non DBS)&Hotspot(Simultaneous For WWAN + DBS)		Ant 4+6 Head (Simultaneous For WWAN + DBS)		Ant 4+6 Body-worn (Simultaneous For WWAN + Non DBS)		Ant 4+6 Body-worn (Simultaneous For WWAN + DBS)		Ant 4+6 Hotspot (Simultaneous For WWAN + Non DBS)		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	22.10	23.50	20.89	21.50	17.22	18.50	17.67	19.00	15.20	16.50	20.13	21.50	16.87	18.00	20.60	22.00	97.87
		6	2437	21.86	23.50	20.81	22.00	17.68	19.00	17.08	18.50	14.48	15.50	19.68	21.00	16.52	18.00	20.04	21.50	
		11	2462	22.11	23.50	21.05	22.00	17.13	18.50	17.55	19.00	14.88	16.00	20.16	21.50	16.94	18.00	20.69	22.00	
	802.11g 6Mbps	1	2412	21.14	22.50	Nont Required		Nont Required		Nont Required		Nont Required		Nont Required		Nont Required		Nont Required		99.29
		6	2437	20.76	22.00															
		11	2462	20.54	22.00															
	802.11n-HT20 MCS0	1	2412	21.02	22.50															100.00
		6	2437	20.67	22.00															
		11	2462	20.34	22.00															
	802.11n-HT40 MCS0	3	2422	19.44	21.00															100.00
		6	2437	19.64	21.00															
		9	2452	19.36	21.00															
	802.11ax-HE20 MCS0	1	2412	21.07	22.50															100.00
		6	2437	20.71	22.00															
		11	2462	20.41	22.00															
	802.11ax-HE40 MCS0	3	2422	19.47	21.00															100.00
		6	2437	19.69	21.00															
		9	2452	19.40	21.00															

Note: The 2.4GHz WLAN can transmit in MIMO antenna mode only and it has no SISO antenna mode.

				Ant 5+6 Full Power		Ant 5+6 Head&Hotspot (Standalone)		Ant 5+6 Head (Simultaneous For DBS Only)&Body-worn (Standalone)		Ant 5+6 Head&Hotspot (Simultaneous For For WWAN + DBS)		Ant 5+6 Body-worn (Simultaneous For DBS Only)		Ant 5+6 Body-worn (Simultaneous For WWAN + DBS)		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	20.40	22.00	Nont Required		Nont Required		Nont Required		Nont Required		Nont Required		100.00
		40	5200	20.81	22.50											
		44	5220	20.83	22.50											
		48	5240	20.94	22.50											
	802.11n-HT20 MCS0	36	5180	20.75	22.50											100.00
		40	5200	20.78	22.50											
		44	5220	20.76	22.50											
		48	5240	20.79	22.50											
	802.11n-HT40 MCS0	38	5190	19.97	21.50	19.97	21.50									100.00
		46	5230	19.93	21.50	19.12	21.00									
	802.11ac-VHT20 MCS0	36	5180	20.71	22.00	Nont Required										1000.00
		40	5200	20.74	22.00											
		44	5220	20.73	22.00											
		48	5240	20.75	22.50											
	802.11ac-VHT40 MCS0	38	5190	19.87	21.50											100.00
		46	5230	19.86	21.50											
	802.11ac-VHT80 MCS0	42	5210	18.73	20.50			17.42	18.50	14.87	16.00	15.89	17.00	11.68	13.00	100.00
	802.11ax-HE20 MCS0	36	5180	20.82	22.50			Nont Required		Nont Required		Nont Required		Nont Required		100.00
		40	5200	20.81	22.50											
		44	5220	20.88	22.50											
		48	5240	20.82	22.50											
	802.11ax-HE40 MCS0	38	5190	20.01	21.50											100.00
		46	5230	19.96	21.50											
	802.11ax-HE80 MCS0	42	5210	18.78	20.50											100.00

Note: The 5GHz WLAN can transmit in MIMO antenna mode only and it has no SISO antenna mode.

				Ant 5+6 Full Power&Head (Standalone)		Ant 5+6 Head (Simultaneous For DBS Only)		Ant 5+6 Head (Simultaneous For WWAN + DBS)		Ant 5+6 Body-worn (Standalone)		Ant 5+6 Body-worn (Simultaneous For DBS Only)		Ant 5+6 Body-worn (Simultaneous For WWAN + DBS)		Ant 5+6 Handheld (Simultaneous For WWAN + DBS)		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	19.41	21.00	Nont Required		Nont Required		Nont Required		Nont Required		Nont Required		Nont Required		100.00
		56	5280	19.46	21.00													
		60	5300	19.51	21.00													
		64	5320	19.61	21.00													
	802.11n-HT20 MCS0	52	5260	19.25	21.00													100.00
		56	5280	19.29	21.00													
		60	5300	19.36	21.00													
		64	5320	19.44	21.00													
	802.11n-HT40 MCS0	54	5270	18.88	21.00													100.00
		62	5310	19.00	21.00													
	802.11ac-VHT20 MCS0	52	5260	19.30	21.00													100.00
		56	5280	19.33	21.00													
		60	5300	19.41	21.00													
		64	5320	19.50	21.00													
	802.11ac-VHT40 MCS0	54	5270	18.89	21.00													100.00
		62	5310	19.03	21.00													
	802.11ac-VHT80 MCS0	58	5290	18.85	20.50	18.10	19.50	14.89	16.00	16.57	18.00	15.72	17.00	11.79	13.00	16.64	18.00	100.00
	802.11ac-VHT160 MCS0	50	5250	16.82	18.00	Nont Required		Nont Required		Nont Required		Nont Required		Nont Required		Nont Required		100
	802.11ax-HE20 MCS0	52	5260	19.32	21.00													100.00
		56	5280	19.35	21.00													
		60	5300	19.44	21.00													
		64	5320	19.55	21.00													
	802.11ax-HE40 MCS0	54	5270	18.94	20.50													100.00
		62	5310	19.07	20.50													
	802.11ax-HE80 MCS0	58	5290	18.88	20.50													100.00
	802.11ax-HE160 MCS0	50	5250	16.89	18.50													100.00

Note: The 5GHz WLAN can transmit in MIMO antenna mode only and it has no SISO antenna mode.

			Ant 5+6 Full Power&Head (Standalone)			Ant 5+6 Head&Body-worn (Simultaneous For DBS Only)		Ant 5+6 Head&Body-worn (Simultaneous For WWAN+DBS)		Ant 5+6 Handheld (Simultaneous For DBS Only)		Ant 5+6 Headheld (Simultaneous For WWAN + DBS)		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	21.04	22.50	Nont Required		Nont Required		Nont Required		Nont Required		100.00
		116	5580	21.06	22.50									
		124	5620	21.07	22.50									
		132	5660	21.03	22.50									
		140	5700	20.89	22.50									
		144	5720	20.91	22.50									
	802.11n-HT20 MCS0	100	5500	20.93	22.50									100.00
		116	5580	21.06	22.50									
		124	5620	20.88	22.50									
		132	5660	20.90	22.50									
		140	5700	20.73	22.00									
		144	5720	20.80	22.50									
	802.11n-HT40 MCS0	102	5510	20.08	21.50					20.08	21.50			100.00
		110	5550	20.20	21.50					20.20	21.50			
		126	5630	19.91	21.50					19.91	21.50			
		134	5670	19.97	21.50					19.97	21.50			
		142	5710	19.92	21.50					19.92	21.50			
	802.11ac-VHT20 MCS0	100	5500	20.89	22.50					Nont Required				100.00
		116	5580	21.01	22.50									
		124	5620	20.84	22.50									
		132	5660	20.85	22.50									
		140	5700	20.64	22.00									
		144	5720	20.75	22.00									
	802.11ac-VHT40 MCS0	102	5510	19.98	21.50									100.00
		110	5550	20.12	21.50									
		126	5630	19.82	21.50									
		134	5670	19.88	21.50									
		142	5710	19.84	21.50									
	802.11ac-VHT80 MCS0	106	5530	18.98	20.50	18.98	20.50	14.80	16.00			16.31	17.50	100.00
		122	5610	18.90	20.50	18.90	20.50	14.71	16.00			16.23	17.50	
		138	5690	18.73	20.00	18.73	20.00	14.66	16.00			16.08	17.50	
	802.11ac-VHT160 MCS0	114	5570	18.40	20.00									100.00
	802.11ax-HE20 MCS0	100	5500	20.97	22.50									100.00
		116	5580	21.10	22.50									
		124	5620	20.91	22.50									
		132	5660	20.96	22.50									
		140	5700	20.80	22.50									
		144	5720	20.87	22.50									
	802.11ax-HE40 MCS0	102	5510	20.10	21.50									100.00
		110	5550	20.22	21.50									
		126	5630	19.95	21.50									
		134	5670	20.01	21.50									
		142	5710	19.95	21.50									
	802.11ax-HE80 MCS0	106	5530	19.01	20.50									100.00
		122	5610	18.92	20.50									
		138	5690	18.76	20.00									
	802.11ax-HE160 MCS0	114	5570	18.44	20.00									100.00

Note: The 5GHz WLAN can transmit in MIMO antenna mode only and it has no SISO antenna mode.

			Ant 5+6 Full Power			Ant 5+6 Head standalone		Ant 5+6 Head (Simultaneous For DBS Only)		Ant 5+6 Head (Simultaneous For WWAN + DBS)		Ant 5+6 Body-worn (Simultaneous For DBS Only)		Ant 5+6 Body-worn (Simultaneous For WWAN + DBS)		Ant 5+6 Hotspot staandalone		Ant 5+6 Hotspot (Simultaneous For WWAN + DBS)		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	20.93	22.50	20.50	22.00	Nont Required		Nont Required		Nont Required		Nont Required		Nont Required		Nont Required		100.00
		157	5785	21.06	22.50	20.58	22.00													
		165	5825	21.31	22.50	20.86	22.00													
	802.11n-HT20 MCS0	149	5745	20.79	22.50	Nont Required														100.00
		157	5785	20.93	22.50															
		165	5825	21.23	22.50															
	802.11n-HT40 MCS0	151	5755	19.96	21.50															100.00
		159	5795	20.05	21.50															
	802.11ac-VHT20 MCS0	149	5745	20.71	22.00															100.00
		157	5785	20.86	22.50															
		165	5825	21.11	22.50															
	802.11ac-VHT40 MCS0	151	5755	19.86	21.50							19.86	21.50							100.00
		159	5795	19.90	21.50							19.90	21.50							
	802.11ac-VHT80 MCS0	155	5775	18.85	20.50			18.31	19.50	14.20	15.50			15.96	17.00	18.85	20.50	12.77	14.00	100.00
	802.11ax-HE20 MCS0	149	5745	20.81	22.50															100.00
		157	5785	20.99	22.50															
		165	5825	21.28	22.50															
	802.11ax-HE40 MCS0	151	5755	20.00	21.50															100.00
		159	5795	20.10	21.50															
	802.11ax-HE80 MCS0	155	5775	18.89	20.50															100.00

Note: The 5GHz WLAN can transmit in MIMO antenna mode only and it has no SISO antenna mode.

BT BR/EDR Ant 4

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	13.53	10.52	10.58	14
	CH 39	2441	12.12	9.59	9.34	13.5
	CH 78	2480	10.49	7.63	7.58	11.5

BLE_1M Ant 4

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	10.05
	CH 19	2440	8.73
	CH 39	2480	7.37
Tune-up Limit			11

BLE_2M Ant 4

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	10.06
	CH 19	2440	8.96
	CH 39	2480	7.62
Tune-up Limit			11.00

BT BR/EDR Ant 6

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	14.18	11.58	11.56	15
	CH 39	2441	15.04	12.48	12.44	16
	CH 78	2480	15.32	12.57	12.63	16.5

BLE_1M Ant 6

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	8.29
	CH 19	2440	8.57
	CH 39	2480	7.58
Tune-up Limit			9.5

BLE_2M Ant 6

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	8.32
	CH 19	2440	8.86
	CH 39	2480	7.80
Tune-up Limit			9.50

Appendix F. Supplemental Tuner Head & Body SAR Results

The results are shown as follows.

Head (Antenna #0, Slave ID=6)

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																
									Auto-Tune	0	11	22	33	44	55	66	77	88	99	110	121	132	143	154	165
WCDMA B2	RMC 12.2Kbps	9400	1880			Left Cheek	0mm	0.049	0.064	0.006	0.025	0.031	0.032	0.028	0.029	0.020	0.016	0.025	0.032	0.031	0.023	0.032	0.029	0.025	0.015

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
									Auto-Tune	1	12	23	34	45	56	67	78	89	100	111	122	133	144	155
WCDMA B5	RMC 12.2Kbps	4182	836.4			Right Cheek	0mm	0.189	0.219	0.005	0.002	0.001	0.120	0.050	0.110	0.005	0.001	0.029	0.090	0.080	0.074	0.130	0.110	0.084

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
									Auto-Tune	2	13	24	35	46	57	68	79	90	101	112	123	134	145	156
LTE B2	QPSK	18900	1880	1	0	Left Cheek	0mm	0.048	0.065	0.015	0.014	0.013	0.007	0.034	0.025	0.031	0.023	0.031	0.030	0.031	0.026	0.030	0.027	0.049

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
									Auto-Tune	3	14	25	36	47	58	69	80	91	102	113	124	135	146	157
LTE B5	QPSK	20525	836.5	1	0	Right Cheek	0mm	0.168	0.199	0.015	0.010	0.005	0.000	0.005	0.009	0.036	0.013	0.061	0.121	0.124	0.013	0.012	0.055	0.002

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
									Auto-Tune	4	15	26	37	48	59	70	81	92	103	114	125	136	147	158
LTE B7	QPSK	21100	2535	1	0	Right Cheek	0mm	0.096	0.14	0.051	0.054	0.051	0.055	0.084	0.067	0.051	0.039	0.041	0.043	0.081	0.069	0.071	0.056	0.063

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
									Auto-Tune	5	16	27	38	49	60	71	82	93	104	115	126	137	148	159
LTE B12	QPSK	23095	707.5	1	0	Right Cheek	0mm	0.157	0.179	0.102	0.061	0.039	0.022	0.003	0.030	0.105	0.049	0.025	0.088	0.100	0.096	0.056	0.032	0.010

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
									Auto-Tune	6	17	28	39	50	61	72	83	94	105	116	127	138	149	160
LTE B13	QPSK	23230	782	1	0	Right Cheek	0mm	0.141	0.153	0.045	0.051	0.028	0.012	0.110	0.088	0.061	0.024	0.113	0.001	0.011	0.034	0.021	0.004	0.022

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
									Auto-Tune	7	18	29	40	51	62	73	84	95	106	117	128	139	150	161
LTE B66（4）	QPSK	132322	1745	1	0	Left Cheek	0mm	0.08	0.084	0.021	0.031	0.027	0.020	0.037	0.029	0.024	0.013	0.030	0.061	0.019	0.039	0.031	0.024	0.010

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
									Auto-Tune	8	19	30	41	52	63	74	85	96	107	118	129	140	151	162
FR1 n2	QPSK	376000	1880	1	1	Left Cheek	0mm	0.03	0.034	0.012	0.019	0.017	0.026	0.014	0.019	0.032	0.016	0.018	0.027	0.014	0.02	0.021	0.017	0.011

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
									Auto-Tune	9	20	31	42	53	64	75	86	97	108	119	130	141	152	163
FR1 n5	QPSK	167300	836.5	50	28	Right Cheek	0mm	0.118	0.121	0.054	0.111	0.063	0.041	0.075	0.113	0.102	0.089	0.017	0.052	0.046	0.112	0.102	0.118	0.068

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
									Auto-Tune	10	21	32	43	54	65	76	87	98	109	120	131	142	153	164
FR1 n66	QPSK	349000	1745	108	54	Left Cheek	0mm	0.044	0.069	0.016	0.019	0.027	0.011	0.019	0.034	0.012	0.033	0.027	0.014	0.006	0.015	0.011	0.008	0.003

Head (Antenna #0, Slave ID=6)

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																
									Auto-Tune	0	11	22	33	44	55	66	77	88	99	110	121	132	143	154	165
WCDMA B2	RMC 12.2Kbps	9262	1852.4			Back	5mm	1.1	1.400	0.180	0.430	0.440	0.480	0.400	0.490	0.527	0.415	0.640	0.528	0.460	0.324	0.491	0.401	0.374	0.225

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
									Auto-Tune	1	12	23	34	45	56	67	78	89	100	111	122	133	144	155
WCDMA B5	RMC 12.2Kbps	4233	846.6			Back	5mm	1.09	2.05	0.049	0.026	0.027	0.850	0.580	0.810	0.044	0.017	0.170	0.720	0.870	0.770	0.990	1.050	0.850

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
									Auto-Tune	2	13	24	35	46	57	68	79	90	101	112	123	134	145	156
LTE B2	QPSK	18700	1860	1	0	Back	5mm	1.1	1.64	0.098	0.081	0.088	0.061	0.167	0.212	0.185	0.151	0.201	0.198	0.174	0.147	0.172	0.148	0.356

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
									Auto-Tune	3	14	25	36	47	58	69	80	91	102	113	124	135	146	157
LTE B5	QPSK	20525	836.5	1	0	Back	5mm	1.07	1.65	0.122	0.061	0.032	0.005	0.031	0.048	0.176	0.070	0.264	0.521	0.513	0.051	0.045	0.281	0.013

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
									Auto-Tune	4	15	26	37	48	59	70	81	92	103	114	125	136	147	158
LTE B7	QPSK	20850	2510	1	0	Back	5mm	0.873	1.46	0.294	0.308	0.293	0.322	0.444	0.371	0.276	0.218	0.281	0.237	0.406	0.321	0.329	0.236	0.331

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
									Auto-Tune	5	16	27	38	49	60	71	82	93	104	115	126	137	148	159
LTE B12	QPSK	23095	707.5	1	0	Back	5mm	0.764	1.26	0.057	0.696	0.474	0.253	0.074	0.271	0.713	0.610	0.365	0.131	0.001	0.009	0.010	0.001	0.006

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
									Auto-Tune	6	17	28	39	50	61	72	83	94	105	116	127	138	149	160
LTE B13	QPSK	23230	782	1	0	Back	5mm	0.678	1.1	0.505	0.586	0.351	0.166	1.030	0.953	0.725	0.341	1.080	0.041	0.127	0.154	0.287	0.087	0.163

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
									Auto-Tune	7	18	29	40	51	62	73	84	95	106	117	128	139	150	161
LTE B66（4）	QPSK	132322	1745	1	0	Back	5mm	1.08	1.74	0.372	0.432	0.399	0.339	0.519	0.443	0.371	0.262	0.415	1.015	0.351	0.593	0.548	0.453	0.241

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
									Auto-Tune	8	19	30	41	52	63	74	85	96	107	118	129	140	151	162
FR1 n2	QPSK	376000	1880	50	28	Back	5mm	0.93	1.89	0.561	0.701	0.666	0.766	0.678	0.835	0.812	0.767	0.861	0.853	0.755	0.989	1.031	0.926	0.662

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
									Auto-Tune	9	20	31	42	53	64	75	86	97	108	119	130	141	152	163
FR1 n5	QPSK	167300	836.5	1	1	Back	5mm	0.869	1.57	0.421	0.803	0.495	0.328	0.541	1.007	0.991	1.021	0.105	0.361	0.349	0.811	0.934	0.828	0.539

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)															
									Auto-Tune	10	21	32	43	54	65	76	87	98	109	120	131	142	153	164
FR1 n66	QPSK	349000	1745	108	54	Back	5mm	0.979	1.73	0.420	0.491	0.439	0.415	0.643	0.498	0.444	0.965	0.882	0.510	0.293	0.563	0.404	0.337	0.202

Body>1.2 (Antenna #0, Slave ID=6)

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Auto-Tune
WCDMA B2	RMC 12.2Kbps	9262	1852.4			Back	5mm	1.1	1.4

Average Value of Time Sweep (W/kg)

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0.180	0.320	0.280	0.330	0.340	0.347	0.370	0.380	0.390	0.410	0.420	0.024	0.227	0.281	0.351	0.357	0.420	0.460	0.478	0.491
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
0.511	0.526	0.440	0.207	0.259	0.329	0.401	0.413	0.436	0.437	0.447	0.451	0.468	0.480	0.511	0.169	0.213	0.275	0.342	0.375
40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
0.385	0.391	0.398	0.402	0.404	0.413	0.446	0.542	0.531	0.525	0.505	0.497	0.494	0.493	0.486	0.483	0.477	0.578	0.561	0.535
60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
0.508	0.494	0.493	0.485	0.482	0.477	0.527	0.477	0.484	0.467	0.459	0.450	0.452	0.448	0.441	0.446	0.447	0.415	0.394	0.367
80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
0.346	0.335	0.338	0.329	0.329	0.330	0.462	0.650	0.640	0.592	0.542	0.524	0.517	0.507	0.501	0.484	0.677	0.639	0.580	0.528
100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119
0.500	0.496	0.484	0.477	0.465	0.618	0.579	0.524	0.477	0.456	0.455	0.448	0.438	0.432	0.489	0.448	0.395	0.351	0.333	0.332
120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139
0.324	0.318	0.313	0.355	0.739	0.900	0.877	0.812	0.628	0.549	0.538	0.501	0.491	0.447	0.447	0.854	0.858	0.664	0.610	0.571
140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159
0.493	0.430	0.422	0.401	0.380	0.353	0.221	0.869	0.855	0.628	0.451	0.392	0.386	0.358	0.374	0.323	0.901	0.751	0.581	0.477
160	161	162	163	164	165														
0.320	0.271	0.267	0.247	0.238	0.225														

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Auto-Tune
WCDMA B5	RMC 12.2Kbps	4233	846.6			Back	5mm	1.09	2.050

Average Value of Time Sweep (W/kg)

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0.686	0.049	0.087	0.151	0.171	0.186	0.266	0.304	0.369	0.404	0.551	0.552	0.026	0.045	0.101	0.215	0.288	0.484	0.575	0.710
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
0.763	0.767	0.847	0.027	0.026	0.063	0.210	0.246	0.321	0.358	0.395	0.504	0.686	0.771	0.850	0.005	0.009	0.024	0.080	0.184
40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
0.260	0.304	0.373	0.411	0.434	0.580	0.846	0.013	0.026	0.063	0.208	0.318	0.393	0.503	0.688	0.767	0.810	0.004	0.009	0.024
60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
0.431	0.657	0.746	0.877	0.926	0.936	0.050	0.044	0.101	0.310	0.356	0.532	0.644	0.807	0.877	0.919	0.918	0.007	0.017	0.400
80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
0.134	0.258	0.343	0.498	0.584	0.769	0.929	0.054	0.088	0.161	0.321	0.437	0.469	0.579	0.621	0.794	0.047	0.083	0.181	0.461
100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119
0.720	0.778	0.896	0.939	0.931	0.054	0.043	0.106	0.323	0.556	0.671	0.870	0.887	0.901	0.007	0.016	0.041	0.143	0.277	0.361
120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139
0.517	0.597	0.770	0.866	0.080	0.131	0.183	0.235	0.459	0.607	0.668	0.761	0.801	0.941	0.938	0.071	0.126	0.268	0.348	0.431
140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159
0.627	0.841	0.901	0.958	1.050	0.863	0.552	0.022	0.046	0.120	0.373	0.584	0.661	0.735	0.752	0.850	0.008	0.018	0.031	0.047
160	161	162	163	164	165														
0.172	0.316	0.392	0.489	0.520	0.472														

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Auto-Tune
LTE B2	QPSK	18700	1860	1	0	Back	5mm	1.1	1.64

Average Value of Time Sweep (W/kg)

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0.061	0.067	0.098	0.115	0.121	0.121	0.132	0.135	0.140	0.144	0.151	0.153	0.076	0.081	0.127	0.144	0.149	0.164	0.167	0.170
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
0.181	0.187	0.172	0.069	0.088	0.115	0.143	0.146	0.154	0.158	0.159	0.162	0.171	0.173	0.185	0.061	0.079	0.104	0.124	0.145
40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
0.149	0.151	0.155	0.156	0.157	0.159	0.167	0.181	0.183	0.181	0.176	0.175	0.173	0.175	0.181	0.179	0.175	0.212	0.210	0.205
60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
0.196	0.192	0.195	0.189	0.188	0.187	0.195	0.191	0.185	0.180	0.181	0.176	0.179	0.176	0.174	0.176	0.175	0.162	0.157	0.151
80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
0.144	0.140	0.142	0.140	0.138	0.139	0.183	0.237	0.234	0.219	0.201	0.195	0.191	0.189	0.156	0.181	0.251	0.246	0.223	0.201
100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119
0.196	0.198	0.190	0.189	0.183	0.234	0.223	0.206	0.188	0.180	0.179	0.176	0.174	0.171	0.199	0.185	0.164	0.147	0.142	0.141
120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139
0.136	0.135	0.133	0.147	0.258	0.355	0.360	0.330	0.249	0.215	0.209	0.196	0.189	0.173	0.172	0.304	0.357	0.284	0.258	0.238
140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159
0.207	0.181	0.176	0.165	0.159	0.148	0.096	0.346	0.353	0.266	0.191	0.164	0.161	0.105	0.144	0.136	0.356	0.320	0.252	0.207
160	161	162	163	164	165														
0.141	0.119	0.117	0.108	0.104	0.097														

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Auto-Tune
LTE B5	QPSK	20525	836.5	1	0	Back	5mm	1.07	1.65

Average Value of Time Sweep (W/kg)

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0.023	0.038	0.072	0.122	0.138	0.149	0.209	0.239	0.213	0.232	0.316	0.315	0.014	0.027	0.061	0.129	0.212	0.334	0.396	0.484
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
0.525	0.518	0.572	0.008	0.015	0.032	0.115	0.136	0.177	0.197	0.218	0.282	0.391	0.441	0.473	0.002	0.005	0.012	0.045	0.095
40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
0.136	0.158	0.193	0.157	0.226	0.289	0.488	0.031	0.049	0.086	0.112	0.187	0.244	0.246	0.287	0.344	0.441	0.068	0.048	0.101
60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
0.216	0.391	0.442	0.501	0.534	0.541	0.011	0.023	0.057	0.176	0.202	0.300	0.364	0.454	0.495	0.528	0.531	0.004	0.007	0.022
80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
0.070	0.137	0.165	0.264	0.301	0.417	0.541	0.033	0.054	0.092	0.195	0.264	0.296	0.327	0.369	0.462	0.295	0.527	0.113	0.281
100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119
0.411	0.458	0.521	0.545	0.541	0.012	0.024	0.061	0.168	0.316	0.381	0.463	0.497	0.513	0.004	0.008	0.022	0.078	0.148	0.191
120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139
0.271	0.311	0.385	0.481	0.051	0.083	0.116	0.151	0.285	0.371	0.406	0.454	0.481	0.548	0.548	0.045	0.072	0.174	0.225	0.276
140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159
0.337	0.503	0.512	0.543	0.547	0.491	0.281	0.016	0.034	0.094	0.275	0.401	0.452	0.481	0.491	0.428	0.006	0.013	0.022	0.035
160	161	162	163	164	165														
0.125	0.216	0.257	0.302	0.314	0.275														

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Auto-Tune
LTE B7	QPSK	20850	2510	1	0	Back	5mm	0.873	1.46

Average Value of Time Sweep (W/kg)

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0.421	0.418	0.358	0.307	0.294	0.289	0.272	0.265	0.262	0.258	0.255	0.253	0.446	0.429	0.367	0.308	0.302	0.274	0.279	0.269
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
0.261	0.260	0.235	0.445	0.422	0.348	0.293	0.284	0.273	0.269	0.266	0.272	0.259	0.250	0.256	0.451	0.403	0.322	0.268	0.242
40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
0.251	0.246	0.241	0.239	0.237	0.229	0.235	0.361	0.444	0.392	0.309	0.282	0.271	0.276	0.259	0.247	0.248	0.394	0.441	0.371
60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
0.295	0.261	0.260	0.249	0.238	0.239	0.399	0.428	0.361	0.328	0.276	0.249	0.257	0.241	0.232	0.234	0.235	0.425	0.419	0.323
80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
0.249	0.218	0.225	0.211	0.200	0.201	0.239	0.334	0.428	0.397	0.313	0.274	0.281	0.263	0.248	0.246	0.335	0.428	0.374	0.296
100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119
0.261	0.269	0.248	0.237	0.237	0.367	0.404	0.364	0.285	0.250	0.257	0.241	0.231	0.232	0.406	0.415	0.324	0.251	0.214	0.223
120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139
0.214	0.198	0.201	0.211	0.197	0.321	0.371	0.371	0.301	0.258	0.265	0.244	0.235	0.239	0.229	0.227	0.329	0.338	0.318	0.301
140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159
0.266	0.232	0.238	0.219	0.206	0.208	0.169	0.236	0.331	0.334	0.261	0.227	0.231	0.212	0.201	0.201	0.278	0.349	0.331	0.295
160	161	162	163	164	165														
0.218	0.186	0.192	0.177	0.167	0.163														

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Auto-Tune
LTE B12	QPSK	23095	707.5	1	0	Back	5mm	0.764	1.26

Average Value of Time Sweep (W/kg)

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0.276	0.512	0.932	1.121	0.130	1.113	0.011	0.956	0.881	0.843	0.696	0.698	0.221	0.441	0.792	0.779	0.696	0.562	0.511	0.450
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
0.424	0.328	0.112	0.105	0.236	0.518	0.501	0.474	0.436	0.416	0.404	0.366	0.318	0.297	0.237	0.049	0.113	0.265	0.253	0.225
40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
0.186	0.172	0.162	0.157	0.154	0.143	0.110	0.318	0.029	0.074	0.246	0.351	0.408	0.468	0.501	0.516	0.391	0.011	0.023	0.076
60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
0.271	0.651	0.555	0.395	0.340	0.155	0.002	0.008	0.034	0.311	0.422	0.713	0.591	0.371	0.288	0.121	0.120	0.001	0.002	0.014
80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
0.149	0.691	0.610	0.280	0.195	0.060	0.131	0.008	0.017	0.046	0.151	0.245	0.312	0.365	0.375	0.315	0.006	0.014	0.045	0.264
100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119
0.499	0.471	0.351	0.312	0.131	0.001	0.003	0.018	0.151	0.501	0.531	0.358	0.285	0.105	0.000	0.001	0.006	0.070	0.388	0.590
120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139
0.323	0.215	0.101	0.070	0.002	0.005	0.009	0.010	0.051	0.091	0.110	0.145	0.158	0.165	0.163	0.040	0.001	0.010	0.022	0.031
140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159
0.081	0.201	0.251	0.225	0.193	0.076	0.038	0.000	0.001	0.003	0.041	0.164	0.266	0.274	0.219	0.065	0.000	0.003	0.004	0.006
160	161	162	163	164	165														
0.016	0.082	0.214	0.381	0.245	0.121														

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Auto-Tune
LTE B66	QPSK	132322	1745	1	0	Back	5mm	1.08	1.74

Average Value of Time Sweep (W/kg)

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0.331	0.347	0.361	0.367	0.368	0.370	0.371	0.372	0.375	0.374	0.376	0.378	0.401	0.421	0.423	0.426	0.428	0.434	0.432	0.433
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
0.429	0.436	0.339	0.354	0.383	0.392	0.401	0.397	0.398	0.399	0.401	0.405	0.401	0.402	0.412	0.321	0.324	0.329	0.331	0.338
40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
0.339	0.334	0.335	0.336	0.333	0.332	0.344	1.125	1.118	0.966	0.569	0.519	0.489	0.481	0.461	0.425	0.392	1.170	1.141	0.728
60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
0.517	0.453	0.443	0.415	0.401	0.373	1.157	0.966	0.653	0.465	0.448	0.442	0.397	0.371	0.357	0.342	0.341	1.090	0.787	0.495
80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
0.345	0.296	0.293	0.272	0.262	0.248	0.356	0.825	1.050	0.907	0.668	0.517	0.501	0.462	0.453	0.415	0.626	1.042	0.769	0.532
100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119
0.452	0.447	0.429	0.391	0.358	0.988	1.015	0.711	0.471	0.401	0.396	0.396	0.349	0.323	1.040	0.891	0.546	0.351	0.292	0.289
120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139
0.264	0.253	0.237	0.272	0.188	0.365	0.540	0.651	0.593	0.496	0.478	0.425	0.401	0.367	0.341	0.264	0.352	0.616	0.584	0.548
140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159
0.455	0.371	0.361	0.324	0.317	0.269	0.169	0.178	0.485	0.591	0.453	0.368	0.325	0.292	0.274	0.243	0.316	0.462	0.701	0.583
160	161	162	163	164	165														
0.315	0.241	0.236	0.205	0.193	0.169														

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Auto-Tune
FR1 n2	QPSK	376000	1880	50	28	Back	5mm	0.93	1.89

Average Value of Time Sweep (W/kg)

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0.195	0.251	0.336	0.408	0.425	0.425	0.481	0.485	0.561	0.526	0.556	0.561	0.278	0.328	0.401	0.557	0.587	0.656	0.661	0.701
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
0.724	0.761	0.861	0.276	0.291	0.461	0.601	0.619	0.647	0.656	0.666	0.677	0.713	0.733	0.781	0.287	0.371	0.486	0.651	0.728
40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
0.751	0.766	0.784	0.793	0.797	0.818	0.884	0.541	0.591	0.637	0.664	0.676	0.678	0.678	0.684	0.686	0.687	0.701	0.757	0.799
60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
0.821	0.831	0.832	0.835	0.841	0.835	0.674	0.717	0.755	0.794	0.794	0.801	0.806	0.811	0.812	0.828	0.832	0.651	0.688	0.701
80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
0.739	0.745	0.751	0.750	0.749	0.767	0.832	0.684	0.711	0.739	0.735	0.732	0.725	0.725	0.713	0.711	0.861	0.885	0.899	0.888
100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119
0.881	0.874	0.871	0.863	0.851	0.816	0.844	0.853	0.853	0.848	0.847	0.845	0.841	0.839	0.778	0.791	0.788	0.766	0.755	0.756
120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139
0.749	0.746	0.744	0.783	1.360	1.530	1.461	1.359	1.057	0.989	0.918	0.898	0.859	0.974	0.771	1.520	1.550	1.339	1.215	1.147
140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159
1.031	0.977	0.901	0.871	0.837	0.775	0.586	1.470	1.521	1.233	1.196	0.926	0.844	0.801	0.779	0.736	1.536	1.357	1.144	0.996
160	161	162	163	164	165														
0.754	0.667	0.662	0.618	0.617	0.571														

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Auto-Tune
FR1 n5	QPSK	167300	836.5	1	1	Back	5mm	0.869	1.57

Average Value of Time Sweep (W/kg)

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0.029	0.049	0.095	0.149	0.181	0.197	0.297	0.318	0.388	0.421	0.573	0.574	0.023	0.045	0.105	0.209	0.231	0.482	0.591	0.752
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
0.803	0.846	0.890	0.011	0.021	0.047	0.128	0.237	0.288	0.345	0.382	0.495	0.576	0.774	0.897	0.003	0.005	0.022	0.079	0.164
40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
0.231	0.269	0.328	0.359	0.371	0.484	0.839	0.061	0.099	0.180	0.356	0.441	0.473	0.541	0.628	0.673	0.856	0.051	0.093	0.198
60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
0.485	0.717	0.828	0.956	1.007	1.053	0.030	0.045	0.108	0.323	0.359	0.536	0.647	0.828	0.900	0.991	0.988	0.541	0.017	0.041
80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
0.137	0.245	0.325	0.457	0.521	0.738	1.021	0.070	0.114	0.206	0.397	0.528	0.587	0.677	0.721	0.901	0.058	0.105	0.223	0.538
100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119
0.778	0.841	0.976	1.106	1.025	0.024	0.048	0.119	0.361	0.582	0.697	0.849	0.898	0.948	0.009	0.017	0.046	0.139	0.275	0.349
120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139
0.476	0.536	0.893	0.863	0.171	0.239	0.307	0.308	0.578	0.642	0.811	0.898	0.935	1.046	1.050	0.090	0.162	0.345	0.449	0.545
140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159
0.762	0.934	0.978	0.994	0.997	0.852	0.851	0.032	0.068	0.183	0.534	0.765	0.828	0.876	0.898	0.749	0.016	0.026	0.045	0.072
160	161	162	163	164	165														
0.251	0.416	0.478	0.539	0.545	0.478														

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Auto-Tune
FR1 n66	QPSK	349000	1745	108	54	Back	5mm	0.979	1.73

Average Value of Time Sweep (W/kg)

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0.346	0.376	0.391	0.401	0.401	0.399	0.411	0.412	0.416	0.418	0.420	0.421	0.427	0.449	0.465	0.477	0.478	0.487	0.483	0.485
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
0.487	0.491	0.321	0.378	0.398	0.415	0.429	0.431	0.432	0.433	0.435	0.438	0.439	0.440	0.452	0.281	0.291	0.295	0.308	0.313
40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
0.314	0.315	0.414	0.415	0.319	0.321	0.324	1.070	1.042	0.827	0.615	0.736	0.699	0.691	0.643	0.618	0.581	1.334	1.154	0.868
60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
0.656	0.577	0.575	0.540	0.521	0.498	1.307	1.081	0.788	0.589	0.569	0.515	0.510	0.478	0.467	0.445	0.444	1.184	0.825	0.534
80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
0.384	0.331	0.328	0.306	0.295	0.283	0.464	0.965	1.230	1.134	0.848	0.735	0.716	0.662	0.636	0.584	1.145	1.142	0.882	0.649
100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119
0.563	0.558	0.521	0.502	0.463	1.184	1.118	0.812	0.579	0.510	0.500	0.463	0.446	0.417	1.241	0.947	0.575	0.384	0.326	0.319
120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139
0.293	0.281	0.262	0.319	0.252	0.433	0.585	0.680	0.691	0.625	0.611	0.563	0.539	0.479	0.479	0.382	0.584	0.624	0.593	0.554
140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159
0.483	0.414	0.404	0.370	0.354	0.319	0.182	0.411	0.633	0.644	0.455	0.380	0.368	0.337	0.320	0.289	0.513	0.838	0.734	0.585
160	161	162	163	164	165														
0.321	0.251	0.244	0.214	0.202	0.182														

Head (Antenna #1, Slave ID=6)

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
WCDMA B5	RMC 12.2Kbps	4233	846.6			Left Cheek	0mm	1.06	2.12	0.029	0.341	0.223	0.058	0.354	0.281	0.875	0.682	0.433	0.126	0.190	0.041	0.784	0.553	0.364	0.991	0.924	0.746	0.263

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	1	11	21	31	41	51	61	71	81	91	101	111	121	131	141	151	161	171	181
LTE B2	QPSK	18700	1860	1	0	Left Tilted	0mm	0.974	1.8	0.143	0.368	0.413	0.350	0.574	0.664	0.619	0.741	0.691	0.568	0.283	0.248	0.626	0.628	0.728	0.673	0.754	0.684	0.566

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	2	12	22	32	42	52	62	72	82	92	102	112	122	132	142	152	162	172	182
LTE B5	QPSK	20525	836.5	1	0	Left Cheek	0mm	0.994	1.71	0.047	0.312	0.262	0.064	0.363	0.468	0.710	0.607	0.421	0.270	0.187	0.111	0.014	0.591	0.391	0.735	0.569	0.448	0.385

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	3	13	23	33	43	53	63	73	83	93	103	113	123	133	143	153	163	173	183
LTE B7	QPSK	21350	2560	1	0	Left Tilted	0mm	0.956	1.86	1.080	0.901	1.057	1.057	0.931	0.465	0.924	0.801	0.494	0.403	0.816	0.797	0.808	0.787	0.291	0.598	0.500	0.433	0.377

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	4	14	24	34	44	54	64	74	84	94	104	114	124	134	144	154	164	174	184
LTE B12	QPSK	23095	707.5	1	0	Left Cheek	0mm	0.952	1.85	1.016	0.222	0.230	0.252	0.036	0.003	0.001	0.126	0.247	0.171	0.371	0.442	0.063	0.009	0.006	0.075	0.029	0.021	0.203

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	5	15	25	35	45	55	65	75	85	95	105	115	125	135	145	155	165	175	185
LTE B13	QPSK	23230	782	1	0	Left Cheek	0mm	0.988	1.55	0.234	0.101	0.542	0.174	0.018	0.082	0.053	0.377	0.353	0.190	0.759	0.582	0.353	0.139	0.035	0.008	0.068	0.120	0.199

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	6	16	26	36	46	56	66	76	86	96	106	116	126	136	146	156	166	176	186
LTE B66	QPSK	132572	1770	1	0	Left Tilted	0mm	1.01	1.9	0.191	0.204	0.389	0.311	0.191	0.669	0.678	0.361	0.318	0.206	0.267	0.333	0.329	0.262	0.277	0.761	0.743	0.802	0.173

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	7	17	27	37	47	57	67	77	87	97	107	117	127	137	147	157	167	177	
FR1 n2	QPSK	372000	1860	1	1	Left Tilted	0mm	0.886	1.61	0.538	0.614	1.157	0.822	0.713	1.127	1.219	1.040	1.081	0.258	0.754	0.975	0.909	0.882	1.319	1.498	1.373	1.041	

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	8	18	28	38	48	58	68	78	88	98	108	118	128	138	148	158	168	178	
FR1 n5	QPSK	167300	836.5	1	1	Left Cheek	0mm	0.967	1.75	0.264	0.238	0.022	0.321	0.191	1.234	1.033	0.198	0.045	0.127	0.801	0.828	0.513	0.312	1.088	0.583	0.359	0.174	

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	9	19	29	39	49	59	69	79	89	99	109	119	129	139	149	159	169	179	
FR1 n66	QPSK	349000	1745	108	54	Left Tilted	0mm	0.955	1.73	0.673	0.686	0.374	0.689	0.506	0.974	0.897	0.929	1.044	0.634	0.821	0.850	0.711	0.510	0.959	0.797	0.652	0.630	

Body>1.2 (Antenna #1, Slave ID=6)

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Auto-Tune
WCDMA B5	RMC 12.2Kbps	4233	846.6	1	0	Left Cheek	0mm	1.06	2.12
LTE B2	QPSK	18700	1880	1	0	Left Tilted	0mm	0.974	1.8
LTE B5	QPSK	20525	836.5	1	0	Left Cheek	0mm	0.994	1.71
LTE B7	QPSK	21350	2560	1	0	Left Tilted	0mm	0.956	1.86
LTE B12	QPSK	23095	707.5	1	0	Left Cheek	0mm	0.952	1.85
LTE B13	QPSK	23230	782	1	0	Left Cheek	0mm	0.988	1.55
LTE B66	QPSK	132572	1770	1	0	Left Tilted	0mm	1.01	1.9
FR1 n2	QPSK	372000	1880	1	1	Left Tilted	0mm	0.886	1.61
FR1 n5	QPSK	167300	836.5	1	1	Left Cheek	0mm	0.967	1.75
FR1 n66	QPSK	349000	1745	108	54	Left Tilted	0mm	0.955	1.73

Average Value of Time Sweep (W/kg)

Test Position	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Left Cheek	0.029	0.049	0.071	0.096	0.120	0.144	0.166	0.190	0.206	0.297	0.341	0.419	0.461	0.659	0.025	0.044	0.096	0.126	0.157	0.190
	0.223	0.248	0.398	0.476	0.616	0.690	0.956	0.738	0.013	0.025	0.058	0.076	0.099	0.121	0.144	0.164	0.186	0.209	0.236	0.281
	0.354	0.489	0.566	0.936	0.003	0.010	0.025	0.079	0.146	0.191	0.281	0.337	0.735	0.147	0.236	0.329	0.418	0.708	0.773	0.840
	0.875	0.935	0.958	0.982	0.121	0.211	0.308	0.406	0.568	0.631	0.682	0.711	0.819	0.838	0.850	0.851	0.783	0.065	0.119	0.253
	0.433	0.481	0.509	0.613	0.641	0.648	0.650	0.604	0.027	0.055	0.126	0.287	0.364	0.387	0.400	0.403	0.372	0.051	0.084	0.154
	0.190	0.224	0.254	0.285	0.308	0.421	0.474	0.563	0.610	0.805	0.041	0.073	0.149	0.191	0.232	0.274	0.345	0.510	0.587	0.719
	0.784	1.006	0.021	0.038	0.087	0.173	0.226	0.282	0.358	0.434	0.553	0.617	0.892	0.007	0.016	0.039	0.112	0.188	0.234	0.318
	0.364	0.616	0.644	0.121	0.212	0.316	0.422	0.790	0.837	0.954	0.991	1.022	1.023	0.947	0.945	0.103	0.198	0.317	0.443	0.862
	0.924	0.897	0.845	0.813	0.649	0.304	0.049	0.107	0.279	0.667	0.746	0.729	0.676	0.645	0.495	0.496	0.019	0.046	0.138	0.199
Left Tilted	0.104	0.143	0.176	0.207	0.228	0.248	0.266	0.281	0.285	0.333	0.339	0.368	0.385	0.417	0.153	0.210	0.302	0.334	0.360	0.389
	0.413	0.413	0.481	0.485	0.528	0.549	0.594	0.740	0.154	0.217	0.314	0.350	0.382	0.412	0.438	0.447	0.464	0.481	0.492	0.521
	0.532	0.574	0.601	0.658	0.146	0.211	0.323	0.472	0.567	0.583	0.640	0.664	0.742	0.583	0.612	0.624	0.628	0.623	0.628	0.623
	0.626	0.619	0.624	0.614	0.719	0.742	0.750	0.755	0.743	0.744	0.738	0.741	0.735	0.733	0.730	0.729	0.719	0.675	0.697	0.701
	0.689	0.691	0.687	0.681	0.690	0.688	0.677	0.690	0.576	0.589	0.581	0.568	0.562	0.566	0.560	0.553	0.560	0.127	0.171	0.239
	0.263	0.283	0.304	0.317	0.323	0.368	0.374	0.402	0.414	0.445	0.185	0.248	0.346	0.377	0.409	0.434	0.456	0.521	0.528	0.567
	0.585	0.626	0.185	0.253	0.356	0.454	0.482	0.519	0.554	0.562	0.606	0.628	0.675	0.175	0.242	0.354	0.494	0.574	0.591	0.636
	0.661	0.728	0.701	0.901	0.895	0.853	0.821	0.749	0.729	0.704	0.666	0.673	0.664	0.641	0.638	1.018	0.998	0.938	0.891	0.795
	0.764	0.754	0.733	0.724	0.700	0.496	0.972	0.914	0.814	0.723	0.681	0.684	0.665	0.657	0.643	0.646	0.831	0.749	0.651	0.622
Left Cheek	0.016	0.031	0.047	0.063	0.079	0.096	0.112	0.128	0.138	0.201	0.231	0.284	0.312	0.459	0.014	0.028	0.063	0.084	0.105	0.126
	0.148	0.164	0.262	0.315	0.405	0.460	0.681	0.468	0.007	0.015	0.037	0.050	0.064	0.078	0.094	0.107	0.122	0.137	0.151	0.179
	0.227	0.312	0.363	0.645	0.001	0.004	0.014	0.049	0.090	0.117	0.172	0.206	0.468	0.119	0.202	0.287	0.367	0.598	0.644	0.680
	0.696	0.712	0.710	0.675	0.102	0.188	0.279	0.367	0.496	0.539	0.569	0.579	0.607	0.599	0.578	0.564	0.492	0.051	0.104	0.232
	0.379	0.406	0.421	0.454	0.453	0.436	0.421	0.362	0.020	0.047	0.117	0.243	0.270	0.271	0.260	0.251	0.211	0.036	0.062	0.114
	0.139	0.163	0.187	0.208	0.223	0.303	0.338	0.399	0.431	0.572	0.031	0.055	0.111	0.140	0.170	0.198	0.244	0.353	0.404	0.486
	0.535	0.706	0.014	0.029	0.064	0.123	0.158	0.193	0.241	0.287	0.360	0.398	0.591	0.005	0.011	0.028	0.077	0.123	0.151	0.197
	0.223	0.375	0.391	0.072	0.134	0.211	0.293	0.605	0.645	0.729	0.749	0.743	0.735	0.627	0.626	0.060	0.127	0.218	0.328	0.678
	0.677	0.634	0.569	0.533	0.389	0.171	0.025	0.065	0.203	0.551	0.564	0.521	0.448	0.413	0.291	0.289	0.009	0.026	0.099	0.154
Left Tilted	0.218	0.357	0.385	0.349	0.291	0.263	0.171													
Left Cheek	0.698	0.933	1.038	1.080	1.090	1.050	1.041	1.021	1.001	0.977	0.987	0.981	0.921	0.901	0.822	0.987	0.101	1.171	1.150	1.130
	1.097	1.002	1.001	1.057	1.020	1.001	0.996	0.858	0.758	1.147	1.167	1.155	1.089	1.057	1.102	1.034	1.001	0.998	0.997	0.956
	0.931	0.929	0.907	0.931	1.184	1.210	1.051	0.875	0.784	0.811	0.774	0.737	0.711	0.465	0.691	0.851	0.951	0.977	0.966	0.945
	0.961	0.927	0.903	0.924	0.574	0.779	0.869	0.892	0.787	0.858	0.856	0.841	0.831	0.801	0.825	0.817	0.813	0.437	0.593	0.601
	0.546	0.535	0.544	0.494	0.499	0.481	0.461	0.463	0.527	0.627	0.598	0.436	0.429	0.403	0.373	0.363	0.356	0.553	0.735	0.843
	0.843	0.836	0.823	0.816	0.823	0.783	0.797	0.771	0.510	0.759	0.649	0.781	0.809	0.797	0.778	0.776	0.758	0.702	0.718	0.704
	0.691	0.706	0.692	0.808	0.784	0.722	0.701	0.699	0.649	0.664	0.634	0.617	0.621	0.787	0.621	0.698	0.582	0.534	0.555	0.521
	0.498	0.519	0.626	0.291	0.421	0.527	0.585	0.628	0.631	0.613	0.636	0.612	0.585	0.598	0.601	0.351	0.484	0.548	0.567	0.539
	0.504	0.514	0.499	0.500	0.491	0.358	0.394	0.522	0.563	0.506	0.464	0.472	0.456	0.433	0.432	0.441	0.497	0.601	0.531	0.494
Left Tilted	0.465	0.424	0.368	0.377	0.356	0.363	0.343													
Left Cheek	0.309	0.581	0.823	0.961	1.016	1.011	0.983	0.943	0.911	0.781	0.721	0.659	0.621	0.506	0.222	0.503	0.705	0.625	0.538	0.472
	0.425	0.394	0.296	0.265	0.230	0.217	0.168	0.039	0.097	0.254	0.434	0.385	0.329	0.287	0.252	0.232	0.213	0.198	0.185	0.169
	0.150	0.127	0.119	0.093	0.036	0.103	0.212	0.110	0.076	0.067	0.056	0.052	0.039	0.001	0.003	0.006	0.011	0.042	0.055	0.070
	0.084	0.102	0.108	0.112	0.001	0.002	0.004	0.009	0.031	0.043	0.050	0.073	0.203	0.191	0.185	0.126	0.102	0.041	0.001	0.003
	0.017	0.028	0.041	0.197	0.247	0.146	0.102	0.027	0.002	0.004	0.006	0.009	0.093	0.256	0.171	0.093	0.013	0.024	0.051	0.134
	0.184	0.238	0.289	0.337	0.371	0.488	0.506	0.494	0.478	0.356	0.012	0.035	0.158	0.278	0.442	0.588	0.657	0.397	0.299	0.210
	0.181	0.101	0.001	0.011	0.063	0.381	0.621	0.561	0.354	0.236	0.147	0.121	0.062	0.002	0.009	0.019	0.402	0.266	0.152	0.082
	0.064	0.027	0.029	0.001	0.006	0.012	0.046	0.052	0.059	0.039	0.049	0.060	0.066	0.074	0.075	0.001	0.003	0.009	0.028	0.048
	0.127	0.133	0.098	0.079	0.029	0.009	0.002	0.006	0.009	0.017	0.097	0.167	0.132	0.092	0.021	0.020	0.003	0.006	0.009	0.016
Left Tilted	0.025	0.029	0.034	0.111	0.203	0.109	0.011													
Left Cheek	0.074	0.111	0.145	0.176	0.207	0.234	0.258	0.278	0.296	0.366	0.398	0.448	0.476	0.594	0.064	0.101	0.173	0.204	0.236	0.249
	0.293	0.308	0.400	0.441	0.507	0.542	0.693	0.218	0.030	0.050	0.091	0.109	0.128	0.149	0.161	0.174	0.191	0.201	0.212	0.232
	0.263	0.307	0.328	0.459	0.010	0.018	0.024	0.074	0.101	0.116	0.139	0.149	0.219	0.024	0.050	0.082	0.124	0.364	0.452	0.548
	0.603	0.640	0.636	0.522	0.022	0.053	0.102	0.175	0.385	0.502	0.597	0.644	0.636	0.552	0.427	0.377	0.223	0.007	0.022	0.090
	0.373	0.503	0.595	0.648	0.517	0.353	0.295	0.154	0.002	0.006	0.036	0.384	0.589	0.417	0.239	0.190	0.082	0.313	0.446	0.608
	0.654	0.690	0.714	0.727	0.729	0.759	0.756	0.755	0.752	0.724	0.271	0.380	0.527	0.559	0.574	0.582	0.584	0.579	0.565	0.556
	0.548	0.513	0.136	0.210	0.308	0.353	0.359	0.355	0.353	0.357	0.347	0.341	0.328	0.325	0.091	0.139	0.171	0.168	0.172	0.166
	0.163	0.156	0.163	0.009	0.020	0.035	0.054	0.172	0.198	0.286	0.337	0.394	0.411	0.378	0.379	0.008	0.021	0.044	0.078	0.356
	0.481	0.439	0.347	0.305	0.166	0.068	0.002	0.008	0.036	0.288	0.558	0.493	0.331	0.271	0.118	0.120	0.003	0.006	0.012	0.022
Left Tilted	0.040	0.145	0.586	0.534	0.277	0.199	0.067													
Left Cheek	0.091	0.121	0.131	0.161	0.171	0.183	0.191	0.203	0.203	0.226	0.229	0.243	0.249	0.261	0.138	0.181	0.204	0.256	0.272	0.284
	0.297	0.297	0.331	0.339	0.354	0.366	0.380	0.359	0.131	0.169	0.215	0.252	0.271	0.281	0.291	0.297	0.311	0.317	0.321	0.332
	0.343	0.362	0.366	0.401	0.116	0.141	0.191	0.255	0.288	0.301	0.314	0.333	0.365	0.824	0.841	0.745	0.965	0.517	0.485	0.576
	0.451	0.421	0.408	0.408	0.879	0.778	0.678	0.601	0.524	0.494	0.477	0.471	0.435	0.416	0.395	0.391	0.361	0.821	0.701	0.512
	0.468	0.395	0.392	0.347	0.347	0.338	0.318	0.315	0.718	0.614	0.358	0.265	0.238	0.232	0.216	0.217	0.206	0.170	0.143	0.210
	0.221	0.227	0.237	0.249	0.244	0.259	0.267	0.278	0.285	0.286	0.234	0.241	0.293	0.307	0.321	0.331	0.333	0.365	0.367	0.377
	0.390	0.405	0.202	0.229	0.277	0.316	0.329	0.337	0.344	0.362	0.374	0.379	0.400	0.160	0.181	0.221	0.262	0.284	0.286	0.304
	0.310	0.323	0.329	0.191	0.229	0.256	0.277	0.329	0.545	0.493	0.483	0.418	0.419	0.396	0.379	0.469	0.761	0.720	0.620	0.459
	0.339	0.392	0.363	0.349	0.328	0.215	0.743	0.740	0.739	0.473	0.331	0.322	0.297	0.286	0.266	0.269	0.802	0.661	0.410	0.343
Left Tilted	0.306	0.257	0.220	0.211	0.192	0.185	0.173													
Left Cheek	0.211	0.284	0.348	0.399	0.433	0.477	0.508	0.538	0.544	0.627	0.633	0.689	0.704	0.748	0.277	0.392	0.545	0.614	0.657	0.716
	0.743	0.769	0.871	0.884	0.943	0.983	1.061	1.157	0.262	0.362	0.540	0.601	0.659	0.709	0.750	0.761	0.793	0.822	0.848	0.892
	0.913	1.004	1.047	1.149	0.209	0.303	0.476	0.713	0.874	0.905	1.001	1.048	1.180	1.035	1.095	1.139	1.124	1.127	1.147	1.123
	1.144	1.143	1.119	1.104	1.198	1.235	1.244	1.219	1.203	1.199	1.239	1.230	1.228	1.227	1.219	1.208	1.040	1.048	1.048	1.078
	1.074	1.072	1.053	1.044	1.046	1.071	1.034	1.081	0.799	0.808	0.803	0.779	0.768	0.793	0.769	0.784	0.782	0.258	0.338	0.474
	0.519	0.562	0.594	0.617	0.624	0.708	0.716	0.754	0.801	0.852	0.356	0.474	0.653	0.709	0.762	0.808	0.855	0.975	0.986	1.060
	1.097	1.172	0.333	0.446	0.627	0.796	0.851	0.909	0.979	1.002	1.078	1.115	1.212	0.264	0.365	0.527	0.753	0.882	0.908	0.987
	1.028	1.139	1.124	1.650	1.581	1.503	1.442	1.319	1.301	1.255	1.243	1.186	1.198	1.150	1.149	1.590	1.584	1.498	1.378	1.281
	1.218	1.212	1.178	1.139	1.127	0.692	1.504	1.373	1.215	1.073	1.031	1.011	1.004	0.987	0.972	0.952	1.129	1.041	0.871	0.859
Left Tilted	0.813	0.769	0.741	0.741	0.704	0.707	0.682													
Left Cheek	0.041	0.070	0.099	0.129	0.161	0.180	0.217	0.244	0.264	0.372	0.422	0.512	0.566	0.823	0.043	0.076	0.153	0.195	0.218	0.282
	0.325	0.360	0.547	0.638	0.805	0.895	1.279	0.836	0.022	0.041	0.091	0.119	0.148	0.178	0.208	0.234	0.263	0.292	0.321	0.376
	0.463	0.616	0.704	1.174	0.008	0.017	0.040	0.113	0.191	0.243	0.339	0.399	0.828	0.216	0.366	0.521	0.672	1.132	1.234	1.288
	1.318	1.343	1.341	1.234	0.208	0.384	0.579	0.764	1.033	1.099	1.156	1.176	1.195	1.153	1.092	1.057	0.888	0.105	0.198	0.491
	0.801	0.854	0.880	0.907	0.879	0.826	0.794	0.656	0.045	0.098	0.249	0.523	0.553	0.535	0.493	0.470	0.377	0.089	0.127	0.240
	0.291	0.332	0.366	0.415	0.433	0.581	0.631	0.742	0.801	1.042	0.087	0.144	0.269	0.331	0.391	0.451	0.542	0.746	0.828	0.967
	1.041	1.307	0.045	0.080	0.159	0.284	0.355	0.424	0.513	0.597	0.724	0.791	1.078	0.017	0.034	0.072	0.174	0.262	0.312	0.393
	0.436	0.665	0.709	0.113	0.204	0.322	0.450	1.003	1.088	1.277	1.345	1.377	1.349	1.166	1.163	0.108	0.223	0.386	0.583	1.255
	1.256	1.181	1.041	0.975	0.705	0.306	0.050	0.115	0.359	1.065	1.081	0.991	0.832	0.762	0.516	0.517	0.018	0.049	0.174	0.278
Left Tilted	0.402	0.721	0.777	0.688	0.549	0.491	0.306													
Left Cheek	0.308	0.383	0.445	0.493	0.526	0.556	0.579	0.600	0.603	0.673	0.683	0.718	0.736	0.775	0.353	0.442	0.562	0.607	0.645	0.686
	0.709	0.714	0.788	0.798	0.840	0.861	0.917	0.613	0.297	0.374	0.442	0.521	0.560	0.581	0.609	0.620	0.640	0.654	0.666	0.689
	0.709	0.745	0.763	0.836	0.201	0.255	0.338	0.439	0.490	0.506	0.536	0.550	0.613	2.037	1.906	1.656	1.466	1.110	1.041	0.974
	0.965	0.896	0.875	0.813	1.991	1.596	1.303	1.143	0.956	0.897	0.853	0.841	0.741	0.736	0.690	0.667	0.627	1.671	1.393	0.929
	0.722	0.686	0.680	0.594	0.588	0.548	0.529	0.503	1.561	1.044	0.647	0.449	0.387	0.384	0.357	0.345	0.327	0.461	0.542	0.634
	0.660	0.684	0.703	0.717	0.718	0.762	0.763	0.788	0.798	0.821	0.504	0.584	0.682	0.710	0.734	0.756	0.773	0.820	0.825	0.850
	0.860	0.885	0.412	0.481	0.564	0.629	0.653	0.677	0.697	0.711	0.728	0.734	0.779	0.281	0.329	0.389	0.455	0.485	0.495	0.510
	0.518	0.553	0.543	1.357	1.721	1.668	1.529	1.119	1.073	0.959	0.941	0.861	0.824	0.749	0.755	1.652	1.647	1.372	1.175	0.797
	0.683	0.666	0.615	0.588	0.542	0.285	1.746	1.608	1.020	0.652	0.551	0.542	0.495	0.474	0.437	0.439	1.772	1.433	0.748	0.630
Left Tilted	0.548	0.445	0.363	0.354	0.321	0.306	0.282													

Head (Antenna #1, Slave ID=6)

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
WCDMA B5	RMC 12.2Kbps	4233	846.6			Back	5mm	0.737	1.13	0.053	0.047	0.028	0.776	0.823	0.764	0.514	0.176	0.201	0.260	0.422	0.080	0.730	0.431	0.332	0.121	0.001	0.776	0.811

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	1	11	21	31	41	51	61	71	81	91	101	111	121	131	141	151	161	171	181
LTE B2	QPSK	18700	1860	1	0	Back	5mm	0.978	1.38	0.048	0.125	0.143	0.028	0.053	0.258	0.247	0.291	0.262	0.218	0.109	0.091	0.239	0.239	0.273	0.261	0.289	0.261	0.213

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	2	12	22	32	42	52	62	72	82	92	102	112	122	132	142	152	162	172	182
LTE B5	QPSK	20525	836.5	1	0	Back	5mm	0.652	1.11	0.043	0.259	0.216	0.059	0.281	0.331	0.593	0.518	0.411	0.248	0.174	0.108	0.018	0.434	0.265	0.578	0.421	0.341	0.351

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	3	13	23	33	43	53	63	73	83	93	103	113	123	133	143	153	163	173	183
LTE B7	QPSK	21350	2560	1	0	Back	5mm	1.05	1.68	1.243	1.154	1.370	1.328	1.140	0.512	1.140	1.010	0.891	0.731	1.540	1.470	1.408	1.210	0.474	1.144	0.903	0.827	0.719

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	4	14	24	34	44	54	64	74	84	94	104	114	124	134	144	154	164	174	184
LTE B12	QPSK	23095	707.5	1	0	Back	5mm	0.338	0.51	0.773	0.649	0.149	0.193	0.022	0.008	0.001	0.080	0.006	0.009	0.161	0.301	0.042	0.022	0.001	0.032	0.022	0.111	0.151

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	5	15	25	35	45	55	65	75	85	95	105	115	125	135	145	155	165	175	185
LTE B13	QPSK	23230	782	1	0	Back	5mm	0.43	0.667	0.261	0.234	0.288	0.161	0.021	0.075	0.067	0.298	0.292	0.154	0.595	0.614	0.441	0.151	0.035	0.005	0.051	0.061	0.163

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																			
									Auto-Tune	6	16	26	36	46	56	66	76	86	96	106	116	126	136	146	156	166	176	186
LTE B66	QPSK	132322	1770	1	1	Back	5mm	1.09	2.11	0.226	0.281	0.323	0.323	0.243	0.562	0.618	0.901	0.266	0.194	0.298	0.383	0.341	0.234	0.567	0.641	0.695	0.701	0.802

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																		
									Auto-Tune	7	17	27	37	47	57	67	77	87	97	107	117	127	137	147	157	167	177
FR1 n2	QPSK	372000	1860	1	1	Back	5mm	0.95	1.5	0.327	0.393	0.751	0.541	0.464	0.742	0.805	0.707	0.685	0.173	0.498	0.634	0.585	0.548	0.860	0.988	0.923	0.693

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																		
									Auto-Tune	8	18	28	38	48	58	68	78	88	98	108	118	128	138	148	158	168	178
FR1 n5	QPSK	167300	836.5	50	28	Back	5mm	0.489	0.745	0.261	0.589	0.204	0.203	0.523	0.437	0.172	0.036	0.072	0.141	0.652	0.023	0.224	0.718	0.697	0.710	0.666	0.511

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Average Value of Time Sweep (W/kg)																		
									Auto-Tune	9	19	29	39	49	59	69	79	89	99	109	119	129	139	149	159	169	179
FR1 n66	QPSK	349000	1745	108	54	Back	5mm	0.98	1.71	0.383	0.385	0.212	0.385	0.286	0.556	0.515	0.541	0.629	0.368	0.468	0.472	0.384	0.276	0.528	0.446	0.357	0.348

Body>1.2 (Antenna #1, Slave ID=6)

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Auto-Tune
LTE Band 2	QPSK	18700	1860	50	1	0	5mm	0.978	1.38

Average Value of Time Sweep (W/kg)

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0.034	0.048	0.051	0.069	0.076	0.088	0.089	0.097	0.099	0.011	0.116	0.125	0.131	0.142	0.051	0.071	0.101	0.117	0.126	0.136
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
0.141	0.143	0.042	0.043	0.046	0.047	0.051	0.064	0.012	0.017	0.026	0.028	0.032	0.035	0.037	0.037	0.039	0.041	0.043	0.045
40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
0.046	0.053	0.234	0.255	0.056	0.081	0.123	0.181	0.212	0.223	0.246	0.258	0.288	0.274	0.264	0.267	0.267	0.258	0.251	0.253
60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
0.249	0.247	0.244	0.241	0.321	0.317	0.312	0.301	0.300	0.298	0.294	0.291	0.289	0.286	0.274	0.271	0.269	0.287	0.282	0.272
80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
0.264	0.262	0.262	0.255	0.257	0.256	0.251	0.256	0.242	0.234	0.224	0.218	0.211	0.208	0.201	0.206	0.208	0.049	0.067	0.091
100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119
0.101	0.109	0.115	0.123	0.122	0.137	0.141	0.149	0.156	0.167	0.138	0.091	0.133	0.142	0.157	0.167	0.175	0.197	0.202	0.216
120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139
0.224	0.239	0.019	0.000	0.001	0.172	0.186	0.197	0.209	0.216	0.231	0.239	0.258	0.068	0.087	0.137	0.138	0.214	0.219	0.234
140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159
0.249	0.273	0.271	0.071	0.389	0.369	0.334	0.294	0.287	0.273	0.269	0.261	0.257	0.243	0.246	0.456	0.431	0.392	0.359	0.311
160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179
0.289	0.289	0.289	0.275	0.267	0.184	0.384	0.381	0.359	0.277	0.267	0.261	0.205	0.248	0.241	0.242	0.359	0.307	0.256	0.242
180	181	182	183	184	185	186													
0.229	0.213	0.198	0.199	0.191	0.169	0.148													

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Auto-Tune
LTE Band 7	QPSK	21350	2560	1	0	Back	5mm	1.05	1.68

Average Value of Time Sweep (W/kg)

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0.741	1.043	1.200	1.243	1.260	1.260	1.257	1.239	1.255	1.190	1.260	1.167	1.146	1.154	1.075	1.121	1.126	1.540	1.490	1.471
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
1.426	1.441	1.374	1.370	1.310	0.290	1.250	0.993	1.231	1.481	1.488	1.449	1.360	1.328	1.286	1.291	1.261	1.251	1.210	1.216
40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
1.210	1.178	1.147	1.140	1.310	1.480	1.280	1.010	0.998	0.971	0.971	0.924	0.901	0.512	0.777	0.982	1.010	1.180	1.210	1.160
60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
1.210	1.150	1.127	1.140	0.641	0.884	1.010	1.050	1.065	1.050	1.010	1.001	0.991	1.010	0.971	0.931	0.947	0.713	0.961	1.010
80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
0.994	0.971	0.971	0.891	0.981	0.879	0.831	0.835	0.912	1.180	1.040	0.821	0.721	0.731	0.691	0.666	0.661	0.898	1.301	1.561
100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119
1.580	1.580	1.560	1.540	1.550	1.490	1.512	1.467	1.410	1.448	1.111	1.210	1.498	1.470	1.455	1.421	1.410	1.316	1.326	1.296
120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139
1.250	1.276	1.220	1.408	1.461	1.337	1.321	1.266	1.223	1.235	1.179	1.149	1.163	1.210	1.527	1.394	1.250	0.988	0.961	1.010
140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159
0.931	0.934	0.926	0.474	0.696	0.946	1.060	1.104	1.177	1.181	1.153	1.000	1.153	1.144	1.134	0.747	0.757	0.975	1.010	0.006
160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179
0.956	0.965	0.937	0.903	0.926	0.656	0.924	1.010	1.049	1.046	0.888	0.901	0.857	0.827	0.834	0.831	0.878	1.020	0.994	0.934
180	181	182	183	184	185	186													
0.878	0.791	0.701	0.719	0.706	0.669	0.642													

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Auto-Tune
LTE B66	QPSK	132322	1745	1	0	Back	5mm	1.09	2.11

Average Value of Time Sweep (W/kg)

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0.122	0.151	0.171	0.184	0.199	0.209	0.219	0.226	0.226	0.248	0.249	0.256	0.264	0.282	0.175	0.213	0.241	0.281	0.297	0.301
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
0.312	0.321	0.351	0.355	0.372	0.381	0.399	0.323	0.163	0.201	0.251	0.269	0.274	0.295	0.305	0.309	0.318	0.323	0.327	0.337
40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
0.344	0.361	0.368	0.401	0.208	0.152	0.193	0.243	0.261	0.278	0.287	0.295	0.321	0.789	0.914	0.876	0.779	0.562	0.513	0.473
60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
0.468	0.429	0.413	0.375	0.881	0.843	0.719	0.618	0.514	0.484	0.457	0.454	0.401	0.383	0.358	0.351	0.322	0.901	0.764	0.517
80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
0.394	0.369	0.365	0.312	0.311	0.299	0.278	0.266	0.889	0.608	0.431	0.239	0.205	0.199	0.183	0.181	0.167	0.194	0.221	0.258
100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119
0.259	0.267	0.272	0.278	0.278	0.291	0.291	0.298	0.301	0.307	0.264	0.295	0.328	0.341	0.352	0.357	0.362	0.383	0.381	0.394
120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139
0.395	0.401	0.236	0.264	0.301	0.324	0.333	0.341	0.345	0.353	0.359	0.364	0.389	0.189	0.196	0.205	0.228	0.231	0.262	0.271
140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159
0.269	0.286	0.281	0.381	0.434	0.744	0.743	0.567	0.541	0.491	0.477	0.422	0.411	0.361	0.361	0.533	0.586	0.641	0.578	0.414
160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179
0.352	0.347	0.317	0.303	0.278	0.142	0.448	0.695	0.511	0.452	0.284	0.278	0.255	0.245	0.223	0.225	0.726	0.701	0.381	0.321
180	181	182	183	184	185	186													
0.300	0.237	0.182	0.178	0.161	0.153	0.146													

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Auto-Tune
FR1 n2	QPSK	372000	1860	1	1	Back	5mm	0.95	1.5

Average Value of Time Sweep (W/kg)

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0.135	0.182	0.218	0.256	0.277	0.297	0.311	0.327	0.335	0.396	0.401	0.435	0.453	0.487	0.179	0.244	0.351	0.393	0.427	0.458
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
0.474	0.473	0.565	0.561	0.600	0.640	0.692	0.751	0.167	0.233	0.347	0.385	0.423	0.465	0.484	0.501	0.523	0.541	0.563	0.593
40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
0.613	0.667	0.697	0.767	0.139	0.200	0.305	0.464	0.560	0.583	0.649	0.681	0.769	0.732	0.753	0.754	0.752	0.742	0.740	0.735
60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
0.733	0.737	0.736	0.728	0.815	0.826	0.814	0.805	0.796	0.792	0.797	0.796	0.789	0.786	0.782	0.780	0.771	0.707	0.711	0.703
80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
0.693	0.689	0.692	0.682	0.688	0.682	0.677	0.685	0.532	0.532	0.513	0.501	0.494	0.498	0.492	0.489	0.495	0.173	0.225	0.306
100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119
0.332	0.359	0.380	0.400	0.402	0.460	0.463	0.498	0.516	0.542	0.232	0.308	0.424	0.461	0.497	0.529	0.556	0.634	0.627	0.670
120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139
0.705	0.751	0.212	0.285	0.400	0.512	0.547	0.585	0.627	0.641	0.680	0.705	0.764	0.167	0.231	0.334	0.474	0.548	0.565	0.614
140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159
0.638	0.718	0.697	1.161	1.084	1.016	0.961	0.860	0.848	0.810	0.802	0.779	0.770	0.748	0.747	1.183	1.081	0.988	0.935	0.836
160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179
0.790	0.782	0.761	0.750	0.723	0.435	1.042	0.923	0.794	0.698	0.656	0.657	0.637	0.625	0.616	0.616	0.795	0.693	0.578	0.554
180	181	182	183	184	185	186													
0.531	0.500	0.468	0.470	0.454	0.444	0.438													

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR	Auto-Tune
FR1 n66	QPSK	349000	1745	108	54	Back	5mm	0.98	1.71

Average Value of Time Sweep (W/kg)

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0.181	0.224	0.258	0.283	0.303	0.324	0.337	0.348	0.349	0.383	0.392	0.412	0.421	0.443	0.203	0.257	0.328	0.350	0.371	0.385
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
0.398	0.401	0.443	0.454	0.473	0.489	0.520	0.340	0.168	0.212	0.273	0.294	0.313	0.330	0.344	0.350	0.360	0.368	0.375	0.385
40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
0.396	0.418	0.428	0.468	0.115	0.146	0.193	0.249	0.277	0.286	0.302	0.311	0.344	1.248	1.154	0.985	0.864	0.638	0.599	0.556
60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
0.546	0.508	0.497	0.458	1.214	0.955	0.775	0.659	0.545	0.515	0.488	0.482	0.419	0.411	0.384	0.375	0.352	1.151	0.828	0.541
80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
0.406	0.383	0.379	0.329	0.325	0.307	0.296	0.280	0.993	0.629	0.373	0.253	0.217	0.215	0.198	0.191	0.180	0.275	0.316	0.368
100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119
0.382	0.393	0.404	0.413	0.414	0.435	0.438	0.450	0.456	0.468	0.295	0.338	0.390	0.404	0.417	0.430	0.435	0.458	0.460	0.472
120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139
0.481	0.497	0.237	0.274	0.316	0.349	0.359	0.368	0.377	0.384	0.396	0.400	0.422	0.162	0.187	0.218	0.250	0.263	0.268	0.276
140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159
0.279	0.297	0.293	0.755	0.981	0.959	0.873	0.622	0.593	0.528	0.513	0.477	0.456	0.411	0.410	0.942	0.948	0.791	0.666	0.446
160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179
0.374	0.365	0.338	0.325	0.295	0.153	1.015	0.951	0.576	0.357	0.301	0.295	0.268	0.256	0.235	0.236	1.079	0.851	0.421	0.348
180	181	182	183	184	185	186													
0.301	0.242	0.196	0.192	0.175	0.166	0.152													