Band 26 for FCC

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	22.38	22.59	22.34	23.5	0
15	QPSK	1	37	22.26	22.27	22.24		
15	QPSK	1	74	22.27	22.23	22.24		
15	QPSK	36	0	22.46	22.48	22.41	23.5	0
15	QPSK	36	20	22.46	22.41	22.34		
15	QPSK	36	39	22.35	22.29	22.38		
15	QPSK	75	0	22.36	22.45	22.24		
15	16QAM	1	0	22.51	22.43	22.47	23.5	0
15	16QAM	1	37	22.39	22.39	22.43		
15	16QAM	1	74	22.39	22.42	22.27		
15	16QAM	36	0	22.47	22.43	22.30	23	0.5
15	16QAM	36	20	22.41	22.43	22.41		
15	16QAM	36	39	22.37	22.42	22.35		
15	16QAM	75	0	22.45	22.43	22.40		
15	64QAM	1	0	22.09	22.36	22.36	23	0.5
15	64QAM	1	37	22.22	22.55	22.55		
15	64QAM	1	74	22.37	22.38	22.27		
15	64QAM	36	0	21.37	21.54	21.47	22	1.5
15	64QAM	36	20	21.36	21.41	21.40		
15	64QAM	36	39	21.39	21.42	21.28		
15	64QAM	75	0	21.45	21.40	21.38		
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	0	22.21	22.15	22.21	23.5	0
10	QPSK	1	25	22.18	22.10	22.06		
10	QPSK	1	49	22.13	22.09	21.87		
10	QPSK	25	0	22.28	22.29	22.27	23.5	0
10	QPSK	25	12	22.32	22.27	22.22		
10	QPSK	25	25	22.19	22.18	22.24		
10	QPSK	50	0	22.25	22.31	22.10		
10	16QAM	1	0	22.57	22.42	22.43	23.5	0
10	16QAM	1	25	22.45	22.45	22.29		
10	16QAM	1	49	22.25	22.25	22.17		
10	16QAM	25	0	22.33	22.29	22.16	23	0.5
10	16QAM	25	12	22.27	22.29	22.27		
10	16QAM	25	25	22.23	22.28	22.21		
10	16QAM	50	0	22.31	22.29	22.26		
10	64QAM	1	0	21.95	22.22	22.22	23	0.5
10	64QAM	1	25	22.08	22.41	22.41		
10	64QAM	1	49	22.23	22.24	22.13		
10	64QAM	25	0	21.23	21.40	21.33	22	1.5
10	64QAM	25	12	21.22	21.27	21.26		
10	64QAM	25	25	21.25	21.28	21.14		
10	64QAM	50	0	21.31	21.26	21.24		
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	0	22.24	22.12	22.23	23.5	0
5	QPSK	1	12	22.10	22.22	22.13		
5	QPSK	1	24	21.96	21.99	21.92		
5	QPSK	12	0	22.34	22.20	22.13	23.5	0
5	QPSK	12	7	22.34	22.15	22.13		
5	QPSK	12	13	22.21	22.25	22.00		
5	QPSK	25	0	22.19	22.23	22.01		
5	16QAM	1	0	22.43	22.39	22.50	23.5	0
5	16QAM	1	12	22.39	22.42	22.52		
5	16QAM	1	24	22.53	22.41	22.51		
5	16QAM	12	0	22.47	22.43	22.30	23	0.5
5	16QAM	12	7	22.41	22.43	22.41		
5	16QAM	12	13	22.37	22.42	22.35		
5	16QAM	25	0	22.45	22.43	22.40		
5	64QAM	1	0	22.09	22.36	22.36	23	0.5
5	64QAM	1	12	22.22	22.55	22.55		
5	64QAM	1	24	22.37	22.38	22.27		
5	64QAM	12	0	21.37	21.54	21.47	22	1.5
5	64QAM	12	7	21.36	21.41	21.40		
5	64QAM	12	13	21.39	21.42	21.28		
5	64QAM	25	0	21.45	21.40	21.38		
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				815.5	831.5	847.5		
3	QPSK	1	0	22.23	22.15	22.04	23.5	0
3	QPSK	1	8	22.24	22.26	22.03		
3	QPSK	1	14	22.08	22.17	21.94		
3	QPSK	8	0	22.28	22.23	22.05	23.5	0
3	QPSK	8	4	22.36	22.17	21.99		
3	QPSK	8	7	22.25	22.26	21.89		
3	QPSK	15	0	22.30	22.13	22.02		
3	16QAM	1	0	22.39	22.49	22.30	23.5	0
3	16QAM	1	8	22.43	22.40	22.43		
3	16QAM	1	14	22.47	22.43	22.10		
3	16QAM	8	0	22.23	22.20	22.05	23	0.5
3	16QAM	8	4	22.33	22.20	22.09		
3	16QAM	8	7	22.13	22.29	22.10		
3	16QAM	15	0	22.25	22.19	22.07		
3	64QAM	1	0	22.16	22.39	22.34	23	0.5
3	64QAM	1	8	21.94	22.36	22.31		
3	64QAM	1	14	22.20	22.38	22.22		
3	64QAM	8	0	20.81	21.25	21.16	22	1.5
3	64QAM	8	4	20.97	21.19	21.10		
3	64QAM	8	7	21.26	21.24	21.09		
3	64QAM	15	0	21.02	21.28	21.23		
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				814.7	831.5	848.3		
1.4	QPSK	1	0	22.15	22.04	21.83	23.5	0
1.4	QPSK	1	3	22.17	22.12	21.88		
1.4	QPSK	1	5	22.13	22.07	21.80		
1.4	QPSK	3	0	22.11	22.00	21.94		
1.4	QPSK	3	1	22.15	22.14	21.90		
1.4	QPSK	3	3	22.14	22.01	21.86		
1.4	QPSK	6	0	22.21	22.17	21.94	23.5	0
1.4	16QAM	1	0	22.54	22.32	22.17	23.5	0
1.4	16QAM	1	3	22.54	22.53	22.20		
1.4	16QAM	1	5	22.43	22.40	22.21		
1.4	16QAM	3	0	22.25	22.17	22.05		
1.4	16QAM	3	1	22.38	22.23	22.12		
1.4	16QAM	3	3	22.19	22.21	22.06		
1.4	16QAM	6	0	22.36	22.21	22.07	23	0.5
1.4	64QAM	1	0	22.03	22.36	21.97	23	0.5
1.4	64QAM	1	3	22.03	22.47	22.03		
1.4	64QAM	1	5	22.00	22.40	22.02		
1.4	64QAM	3	0	22.07	22.22	21.96		
1.4	64QAM	3	1	22.06	22.26	22.01		
1.4	64QAM	3	3	21.92	22.30	21.98		
1.4	64QAM	6	0	21.03	21.16	21.05	22	1.5

Band 66

BW [MHz]	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	17.87	18.18	18.07	18.5	0
20	QPSK	1	49	17.72	17.87	17.90		
20	QPSK	1	99	17.82	17.88	17.85		
20	QPSK	50	0	17.68	18.02	17.95	18.5	0
20	QPSK	50	24	17.78	17.86	17.91		
20	QPSK	50	50	17.76	17.87	17.89		
20	QPSK	100	0	17.71	17.95	17.91		
20	16QAM	1	0	17.85	17.96	18.09	18.5	0
20	16QAM	1	49	17.88	18.05	18.08		
20	16QAM	1	99	18.01	18.02	17.96		
20	16QAM	50	0	17.74	17.92	17.99	18.5	0
20	16QAM	50	24	17.81	17.90	17.96		
20	16QAM	50	50	17.76	17.93	17.96		
20	16QAM	100	0	17.77	17.86	17.92		
20	64QAM	1	0	17.95	18.12	18.11	18.5	0
20	64QAM	1	49	17.93	17.98	17.99		
20	64QAM	1	99	18.10	17.87	17.86		
20	64QAM	50	0	17.72	17.93	17.96	18.5	0
20	64QAM	50	24	17.78	17.88	17.93		
20	64QAM	50	50	17.75	17.90	17.92		
20	64QAM	100	0	17.78	17.87	17.94		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	17.73	17.89	18.01	18.5	0
15	QPSK	1	37	17.62	17.83	17.86		
15	QPSK	1	74	17.67	17.86	17.85		
15	QPSK	36	0	17.56	17.79	17.89	18.5	0
15	QPSK	36	20	17.59	17.75	17.84		
15	QPSK	36	39	17.57	17.81	17.85		
15	QPSK	75	0	17.60	17.79	17.85		
15	16QAM	1	0	17.89	18.04	18.16	18.5	0
15	16QAM	1	37	17.76	17.96	18.03		
15	16QAM	1	74	17.83	17.98	17.90		
15	16QAM	36	0	17.63	17.84	17.87	18.5	0
15	16QAM	36	20	17.69	17.80	17.80		
15	16QAM	36	39	17.68	17.89	17.84		
15	16QAM	75	0	17.73	17.82	17.85		
15	64QAM	1	0	17.82	17.97	18.09	18.5	0
15	64QAM	1	37	17.67	17.91	17.79		
15	64QAM	1	74	17.83	17.95	17.75		
15	64QAM	36	0	17.62	17.83	17.87	18.5	0
15	64QAM	36	20	17.65	17.72	17.83		
15	64QAM	36	39	17.62	17.81	17.86		
15	64QAM	75	0	17.63	17.72	17.83		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	17.66	17.84	17.90	18.5	0
10	QPSK	1	25	17.64	17.89	17.85		
10	QPSK	1	49	17.56	17.79	17.81		
10	QPSK	25	0	17.54	17.71	17.74	18.5	0
10	QPSK	25	12	17.55	17.74	17.74		
10	QPSK	25	25	17.53	17.77	17.78		
10	QPSK	50	0	17.55	17.70	17.75		
10	16QAM	1	0	17.88	18.05	18.09	18.5	0
10	16QAM	1	25	17.82	18.06	18.05		
10	16QAM	1	49	17.83	18.00	17.97		
10	16QAM	25	0	17.58	17.76	17.74	18.5	0
10	16QAM	25	12	17.58	17.75	17.74		
10	16QAM	25	25	17.53	17.80	17.77		
10	16QAM	50	0	17.58	17.74	17.76		
10	64QAM	1	0	17.88	18.13	18.12	18.5	0
10	64QAM	1	25	17.88	18.09	18.10		
10	64QAM	1	49	17.76	18.03	18.07		
10	64QAM	25	0	17.57	17.76	17.77	18.5	0
10	64QAM	25	12	17.59	17.77	17.80		
10	64QAM	25	25	17.52	17.79	17.80		
10	64QAM	50	0	17.57	17.73	17.74		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	17.61	17.84	17.88	18.5	0
5	QPSK	1	12	17.62	17.92	17.90		
5	QPSK	1	24	17.57	17.87	17.86		
5	QPSK	12	0	17.72	17.95	17.99	18.5	0
5	QPSK	12	7	17.73	17.95	17.98		
5	QPSK	12	13	17.68	17.98	17.97		
5	QPSK	25	0	17.71	17.93	17.98		
5	16QAM	1	0	17.96	17.98	18.01	18.5	0
5	16QAM	1	12	17.93	18.01	17.98		
5	16QAM	1	24	17.93	18.10	18.09		
5	16QAM	12	0	17.75	17.97	18.02	18.5	0
5	16QAM	12	7	17.75	17.99	18.08		
5	16QAM	12	13	17.75	18.01	17.99		
5	16QAM	25	0	17.76	17.96	18.04		
5	64QAM	1	0	17.89	18.04	18.17	18.5	0
5	64QAM	1	12	17.89	18.09	18.06		
5	64QAM	1	24	17.85	18.10	18.07		
5	64QAM	12	0	17.76	17.92	17.99	18.5	0
5	64QAM	12	7	17.76	17.94	18.02		
5	64QAM	12	13	17.71	18.02	17.98		
5	64QAM	25	0	17.75	17.92	18.04		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	17.65	17.88	17.91	18.5	0
3	QPSK	1	8	17.69	18.01	17.93		
3	QPSK	1	14	17.59	17.92	17.90		
3	QPSK	8	0	17.72	17.96	17.99	18.5	0
3	QPSK	8	4	17.74	17.95	18.02		
3	QPSK	8	7	17.73	18.02	17.95		
3	QPSK	15	0	17.71	17.97	18.01		
3	16QAM	1	0	17.96	18.09	17.83	18.5	0
3	16QAM	1	8	18.05	18.12	18.08		
3	16QAM	1	14	17.95	18.07	18.05		
3	16QAM	8	0	17.80	18.03	18.05	18.5	0
3	16QAM	8	4	17.86	18.07	18.07		
3	16QAM	8	7	17.81	18.04	18.04		
3	16QAM	15	0	17.79	17.96	18.05		
3	64QAM	1	0	17.91	18.15	18.17	18.5	0
3	64QAM	1	8	17.96	17.79	17.96		
3	64QAM	1	14	17.87	18.07	18.00		
3	64QAM	8	0	17.78	18.01	18.03	18.5	0
3	64QAM	8	4	17.82	17.99	18.05		
3	64QAM	8	7	17.74	18.02	18.02		
3	64QAM	15	0	17.75	17.95	18.01		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	17.56	17.81	17.83	18.5	0
1.4	QPSK	1	3	17.63	17.90	17.88		
1.4	QPSK	1	5	17.56	17.82	17.81		
1.4	QPSK	3	0	17.57	17.75	17.83		
1.4	QPSK	3	1	17.60	17.85	17.85		
1.4	QPSK	3	3	17.57	17.83	17.82		
1.4	QPSK	6	0	17.67	17.88	17.92	18.5	0
1.4	16QAM	1	0	17.93	18.14	18.15	18.5	0
1.4	16QAM	1	3	17.95	18.13	18.12		
1.4	16QAM	1	5	17.81	18.12	18.13		
1.4	16QAM	3	0	17.71	17.93	17.97		
1.4	16QAM	3	1	17.74	18.01	18.01		
1.4	16QAM	3	3	17.68	17.95	17.95		
1.4	16QAM	6	0	17.75	17.96	18.02	18.5	0
1.4	64QAM	1	0	17.82	18.05	18.06	18.5	0
1.4	64QAM	1	3	17.86	18.10	18.09		
1.4	64QAM	1	5	17.76	18.12	18.01		
1.4	64QAM	3	0	17.74	17.93	17.98		
1.4	64QAM	3	1	17.80	18.03	18.02		
1.4	64QAM	3	3	17.73	17.99	18.01		
1.4	64QAM	6	0	17.65	17.90	17.95	18.5	0

Band 38

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	18.80	18.75	18.91	20	0
20	QPSK	1	49	18.90	18.88	18.93		
20	QPSK	1	99	18.59	18.70	18.52		
20	QPSK	50	0	18.78	18.66	18.67	20	0
20	QPSK	50	24	18.82	18.74	18.72		
20	QPSK	50	50	18.76	18.68	18.84		
20	QPSK	100	0	18.78	18.77	18.61		
20	16QAM	1	0	18.69	18.66	18.68	20	0
20	16QAM	1	49	18.68	18.54	18.73		
20	16QAM	1	99	18.71	18.68	18.58		
20	16QAM	50	0	18.70	18.60	18.60	20	0
20	16QAM	50	24	18.69	18.70	18.61		
20	16QAM	50	50	18.78	18.58	18.71		
20	16QAM	100	0	18.81	18.65	18.67		
20	64QAM	1	0	18.55	18.39	18.52	20	0
20	64QAM	1	49	18.50	18.42	18.40		
20	64QAM	1	99	18.40	18.51	18.31		
20	64QAM	50	0	18.55	18.57	18.64	20	0
20	64QAM	50	24	18.73	18.73	18.54		
20	64QAM	50	50	18.53	18.72	18.69		
20	64QAM	100	0	18.82	18.80	18.57		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	18.86	18.82	18.70	20	0
15	QPSK	1	37	18.80	18.85	18.82		
15	QPSK	1	74	18.70	18.64	18.57		
15	QPSK	36	0	18.86	18.65	18.58	20	0
15	QPSK	36	20	18.73	18.76	18.70		
15	QPSK	36	39	18.71	18.68	18.70		
15	QPSK	75	0	18.73	18.60	18.60		
15	16QAM	1	0	18.80	18.50	18.74	20	0
15	16QAM	1	37	18.71	18.47	18.47		
15	16QAM	1	74	18.66	18.63	18.63		
15	16QAM	36	0	18.73	18.52	18.55	20	0
15	16QAM	36	20	18.70	18.59	18.51		
15	16QAM	36	39	18.72	18.60	18.67		
15	16QAM	75	0	18.79	18.71	18.67		
15	64QAM	1	0	18.69	18.46	18.50	20	0
15	64QAM	1	37	18.69	18.39	18.52		
15	64QAM	1	74	18.51	18.51	18.32		
15	64QAM	36	0	18.76	18.53	18.57	20	0
15	64QAM	36	20	18.73	18.49	18.66		
15	64QAM	36	39	18.82	18.59	18.62		
15	64QAM	75	0	18.83	18.64	18.60		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	18.89	18.60	18.50	20	0
10	QPSK	1	25	18.80	18.41	18.53		
10	QPSK	1	49	18.53	18.48	18.41		
10	QPSK	25	0	18.47	18.28	18.36	20	0
10	QPSK	25	12	18.52	18.68	18.36		
10	QPSK	25	25	18.52	18.77	18.32		
10	QPSK	50	0	18.52	18.66	18.34		
10	16QAM	1	0	18.60	18.54	18.40	20	0
10	16QAM	1	25	18.57	18.68	18.35		
10	16QAM	1	49	18.48	18.51	18.46		
10	16QAM	25	0	18.51	18.29	18.32	20	0
10	16QAM	25	12	18.41	18.21	18.34		
10	16QAM	25	25	18.40	18.31	18.40		
10	16QAM	50	0	18.53	18.51	18.35		
10	64QAM	1	0	18.49	18.52	18.36	20	0
10	64QAM	1	25	18.35	18.58	18.33		
10	64QAM	1	49	18.45	18.52	18.30		
10	64QAM	25	0	18.55	18.48	18.13	20	0
10	64QAM	25	12	18.50	18.60	18.27		
10	64QAM	25	25	18.51	18.36	18.21		
10	64QAM	50	0	18.50	18.60	18.27		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	18.50	18.40	18.46	20	0
5	QPSK	1	12	18.42	18.45	18.37		
5	QPSK	1	24	18.52	18.39	18.43		
5	QPSK	12	0	18.56	18.47	18.52	20	0
5	QPSK	12	7	18.60	18.49	18.52		
5	QPSK	12	13	18.59	18.48	18.50		
5	QPSK	25	0	18.52	18.43	18.49		
5	16QAM	1	0	18.48	18.54	18.53	20	0
5	16QAM	1	12	18.60	18.51	18.42		
5	16QAM	1	24	18.64	18.47	18.52		
5	16QAM	12	0	18.50	18.44	18.50	20	0
5	16QAM	12	7	18.51	18.50	18.53		
5	16QAM	12	13	18.52	18.42	18.48		
5	16QAM	25	0	18.58	18.51	18.51		
5	64QAM	1	0	18.41	18.24	18.29	20	0
5	64QAM	1	12	18.24	18.26	18.21		
5	64QAM	1	24	18.35	18.30	18.31		
5	64QAM	12	0	18.51	18.43	18.47	20	0
5	64QAM	12	7	18.56	18.48	18.53		
5	64QAM	12	13	18.51	18.47	18.50		
5	64QAM	25	0	18.48	18.44	18.46		

Band 41/Band 41(HPUE)

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	18.90	18.98	19.25	18.81	18.81	20	0
20	QPSK	1	49	18.90	18.92	18.98	18.91	19.19		
20	QPSK	1	99	18.89	18.96	18.91	18.79	19.17		
20	QPSK	50	0	18.89	18.95	19.21	18.96	19.12	20	0
20	QPSK	50	24	18.92	19.00	18.97	18.99	19.14		
20	QPSK	50	50	18.90	18.89	18.96	18.93	19.19		
20	QPSK	100	0	18.91	18.86	19.16	18.76	19.11		
20	16QAM	1	0	18.98	18.84	18.95	18.86	18.96	20	0
20	16QAM	1	49	18.94	18.93	18.89	18.97	19.14		
20	16QAM	1	99	18.93	18.93	18.91	18.87	19.12		
20	16QAM	50	0	18.95	18.93	18.96	18.96	19.20	20	0
20	16QAM	50	24	18.94	19.02	18.92	19.05	19.17		
20	16QAM	50	50	18.93	18.97	18.98	18.92	19.12		
20	16QAM	100	0	18.94	18.95	18.92	18.92	19.19		
20	64QAM	1	0	18.81	18.75	18.79	18.81	18.79	20	0
20	64QAM	1	49	18.79	18.75	18.76	18.96	19.14		
20	64QAM	1	99	18.75	18.85	18.75	18.74	19.19		
20	64QAM	50	0	18.93	18.91	18.89	18.89	19.04	20	0
20	64QAM	50	24	18.89	18.94	18.91	18.93	19.21		
20	64QAM	50	50	18.94	18.97	18.96	19.01	19.18		
20	64QAM	100	0	18.97	18.95	18.93	18.97	19.21		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	18.66	18.67	18.65	18.67	18.94	20	0
15	QPSK	1	37	18.82	18.71	18.66	18.82	19.13		
15	QPSK	1	74	18.75	18.79	18.67	18.65	19.12		
15	QPSK	36	0	18.89	18.91	18.89	18.83	19.16	20	0
15	QPSK	36	20	18.90	18.91	18.88	18.91	19.12		
15	QPSK	36	39	18.89	18.89	18.87	18.94	19.12		
15	QPSK	75	0	18.99	19.03	18.86	18.83	19.21		
15	16QAM	1	0	18.98	19.01	19.06	19.06	19.17	20	0
15	16QAM	1	37	18.99	19.02	18.99	19.07	19.16		
15	16QAM	1	74	18.99	19.06	18.99	19.02	19.18		
15	16QAM	36	0	18.88	18.91	18.91	18.89	19.06	20	0
15	16QAM	36	20	18.87	18.91	18.89	18.96	19.14		
15	16QAM	36	39	18.89	18.86	18.96	18.93	19.16		
15	16QAM	75	0	18.83	18.98	18.90	18.97	19.15		
15	64QAM	1	0	18.83	18.86	18.77	18.81	18.79	20	0
15	64QAM	1	37	18.77	18.79	18.79	18.80	19.17		
15	64QAM	1	74	18.78	18.84	18.77	18.71	19.21		
15	64QAM	36	0	18.85	18.85	19.02	18.86	19.21	20	0
15	64QAM	36	20	18.86	18.90	18.93	18.92	19.10		
15	64QAM	36	39	18.89	18.90	18.86	18.85	19.15		
15	64QAM	75	0	18.92	18.93	18.85	18.96	19.19		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	18.68	18.67	18.65	18.71	18.80	20	0
10	QPSK	1	25	18.67	18.66	18.69	18.61	19.10		
10	QPSK	1	49	18.69	18.63	18.63	18.68	18.69		
10	QPSK	25	0	18.67	18.94	18.62	18.73	18.93	20	0
10	QPSK	25	12	18.77	18.63	18.74	18.86	19.07		
10	QPSK	25	25	18.80	18.77	18.68	18.68	19.07		
10	QPSK	50	0	18.64	18.59	18.61	18.65	19.05		
10	16QAM	1	0	18.72	18.63	18.59	18.61	19.06	20	0
10	16QAM	1	25	18.73	18.69	18.70	18.81	19.08		
10	16QAM	1	49	18.59	18.70	18.66	18.59	18.95		
10	16QAM	25	0	18.67	18.69	18.66	18.91	18.67	20	0
10	16QAM	25	12	18.78	18.67	18.65	18.81	18.78		
10	16QAM	25	25	18.74	18.74	18.72	18.72	19.04		
10	16QAM	50	0	18.67	18.64	18.75	18.75	19.05		
10	64QAM	1	0	18.59	18.71	18.76	18.60	19.00	20	0
10	64QAM	1	25	18.69	18.65	18.79	18.67	18.89		
10	64QAM	1	49	18.66	18.64	18.61	18.60	18.96		
10	64QAM	25	0	18.68	18.80	18.67	18.74	19.05	20	0
10	64QAM	25	12	18.79	18.68	18.69	18.81	19.04		
10	64QAM	25	25	18.75	18.65	18.69	18.66	19.15		
10	64QAM	50	0	18.64	18.68	18.68	18.75	18.97		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	18.54	18.68	18.69	18.64	19.01	20	0
5	QPSK	1	12	18.57	18.59	18.59	18.62	19.00		
5	QPSK	1	24	18.71	18.56	18.55	18.64	18.95		
5	QPSK	12	0	18.70	18.76	18.71	18.73	19.15	20	0
5	QPSK	12	7	18.74	18.83	18.75	18.82	19.18		
5	QPSK	12	13	18.76	18.72	18.85	18.75	19.07		
5	QPSK	25	0	18.68	18.65	18.63	18.72	19.12		
5	16QAM	1	0	18.84	18.73	18.76	18.72	19.12	20	0
5	16QAM	1	12	18.79	18.71	18.76	18.74	19.13		
5	16QAM	1	24	18.82	18.79	18.70	18.95	19.17		
5	16QAM	12	0	18.70	18.75	18.76	18.69	19.17	20	0
5	16QAM	12	7	18.72	18.72	18.72	18.84	19.11		
5	16QAM	12	13	18.74	18.79	18.76	18.75	19.07		
5	16QAM	25	0	18.70	18.71	18.76	18.79	19.20		
5	64QAM	1	0	18.53	18.50	18.45	18.53	18.91	20	0
5	64QAM	1	12	18.57	18.55	18.54	18.49	18.93		
5	64QAM	1	24	18.53	18.55	18.52	18.57	18.83		
5	64QAM	12	0	18.62	18.66	18.62	18.69	19.11	20	0
5	64QAM	12	7	18.65	18.62	18.64	18.81	19.10		
5	64QAM	12	13	18.62	18.61	18.68	18.75	19.07		
5	64QAM	25	0	18.69	18.66	18.63	18.79	19.09		

Reduced Power Mode for Hotspot On

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	Ch Delta > 0.5
TX Channel	512	661	810		512	661	810		
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8		
GSM 1 Tx slot	24.25	24.33	24.26	25.00	15.25	15.33	15.26	16.00	0.12
GPRS 1 Tx slot	24.21	24.31	24.25	25.00	15.21	15.31	15.25	16.00	
GPRS 2 Tx slots	21.54	21.66	21.47	22.50	15.54	15.66	15.47	16.50	0.19
GPRS 3 Tx slots	20.36	20.55	20.38	21.00	16.10	16.29	16.12	16.74	0.19
GPRS 4 Tx slots	18.51	18.76	18.57	19.00	15.51	15.76	15.57	16.00	0.25
EDGE 1 Tx slot	19.67	19.62	19.59	20.50	10.67	10.62	10.59	11.50	0.08
EDGE 2 Tx slots	18.24	18.19	18.29	18.50	12.24	12.19	12.29	12.50	0.10
EDGE 3 Tx slots	17.26	17.18	17.03	18.00	13.00	12.92	12.77	13.74	0.23
EDGE 4 Tx slots	15.03	15.34	15.10	15.50	12.03	12.34	12.10	12.50	0.31

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	15.43	15.41	15.40	16.00	15.38	15.43	15.30	16.50	21.20	21.19	21.02	22.50
3GPP Rel 99	RMC 12.2Kbps	15.44	15.48	15.41	16.00	15.39	15.44	15.31	16.50	21.22	21.24	21.07	22.50
3GPP Rel 6	HSDPA Subtest-1	14.82	14.83	14.75	15.00	14.22	14.21	14.32	15.50	20.15	20.10	19.90	21.50
3GPP Rel 6	HSDPA Subtest-2	14.82	14.82	14.76	15.00	14.32	14.35	14.17	15.50	20.20	20.14	19.99	21.50
3GPP Rel 6	HSDPA Subtest-3	14.34	14.33	14.27	14.50	14.12	14.21	13.99	15.00	19.64	19.59	19.48	21.00
3GPP Rel 6	HSDPA Subtest-4	14.34	14.32	14.26	14.50	14.07	14.12	14.00	15.00	19.65	19.63	19.48	21.00
3GPP Rel 8	DC-HSDPA Subtest-1	14.81	14.82	14.74	15.00	14.21	14.20	14.31	15.50	20.14	20.08	19.88	21.50
3GPP Rel 8	DC-HSDPA Subtest-2	14.80	14.81	14.75	15.00	14.10	14.11	14.16	15.50	20.17	20.12	19.98	21.50
3GPP Rel 8	DC-HSDPA Subtest-3	14.33	14.32	14.26	14.50	14.11	14.20	13.98	15.00	19.63	19.57	19.46	21.00
3GPP Rel 8	DC-HSDPA Subtest-4	14.32	14.31	14.25	14.50	14.06	14.11	13.99	15.00	19.63	19.59	19.47	21.00
3GPP Rel 6	HSUPA Subtest-1	14.56	14.37	14.80	15.00	14.61	14.62	14.33	15.50	20.17	20.15	19.86	21.50
3GPP Rel 6	HSUPA Subtest-2	12.84	12.87	12.79	13.00	12.59	12.63	12.27	13.50	18.25	18.14	17.98	19.50
3GPP Rel 6	HSUPA Subtest-3	13.82	13.81	13.79	14.00	13.64	13.57	13.30	14.50	19.18	19.13	18.94	20.50
3GPP Rel 6	HSUPA Subtest-4	12.84	12.82	12.81	13.00	12.56	12.67	12.25	13.50	18.22	18.12	17.95	19.50
3GPP Rel 6	HSUPA Subtest-5	14.80	14.80	14.80	15.00	14.59	14.42	14.32	15.50	20.21	20.14	19.87	21.50

Band	CDMA BC1			Tune-up Limit (dBm)	CDMA BC10			Tune-up Limit (dBm)
TX Channel	25	600	1175		476	580	684	
Frequency (MHz)	1851.25	1880	1908.75		817.9	820.5	823.1	
RC1 SO55	15.55	15.61	15.65	16.50	23.34	23.35	23.33	24.00
RC3 SO55	15.56	15.59	15.66	16.50	23.36	23.39	23.36	24.00
RC3 SO32 (F+SCH)	15.55	15.59	15.53	16.50	23.37	23.39	23.37	24.00
RC3 SO32 (+SCH)	15.54	15.58	15.48	16.50	23.37	23.37	23.35	24.00
RTAP 153.6Kbps	15.51	15.63	15.59	16.50	23.45	23.49	23.41	24.00
RETAP 4096Bits	15.50	15.61	15.63	16.50	23.47	23.46	23.44	24.00

Band 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	14.66	15.00	14.69	16	0
20	QPSK	1	49	14.64	14.60	14.55		
20	QPSK	1	99	14.60	14.66	14.56		
20	QPSK	50	0	14.86	14.94	14.74	16	0
20	QPSK	50	24	14.88	14.68	14.77		
20	QPSK	50	50	14.77	14.78	14.84		
20	QPSK	100	0	14.86	14.93	14.78		
20	16QAM	1	0	14.71	14.73	14.85	16	0
20	16QAM	1	49	14.82	14.90	14.76		
20	16QAM	1	99	14.75	14.82	14.77		
20	16QAM	50	0	14.78	14.65	14.83	16	0
20	16QAM	50	24	14.85	14.75	14.66		
20	16QAM	50	50	14.80	14.77	14.85		
20	16QAM	100	0	14.81	14.73	14.77		
20	64QAM	1	0	14.91	14.79	14.74	16	0
20	64QAM	1	49	14.91	14.63	14.69		
20	64QAM	1	99	14.69	14.81	14.83		
20	64QAM	50	0	14.45	14.48	14.35	16	0
20	64QAM	50	24	14.68	14.42	14.40		
20	64QAM	50	50	14.51	14.52	14.30		
20	64QAM	100	0	14.62	14.36	14.24		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	14.74	14.66	14.62	16	0
15	QPSK	1	37	14.76	14.61	14.59		
15	QPSK	1	74	14.74	14.60	14.62		
15	QPSK	36	0	14.78	14.66	14.77	16	0
15	QPSK	36	20	14.94	14.80	14.82		
15	QPSK	36	39	14.82	14.73	14.93		
15	QPSK	75	0	14.87	14.72	14.85		
15	16QAM	1	0	14.69	14.75	14.61	16	0
15	16QAM	1	37	14.87	14.84	14.94		
15	16QAM	1	74	14.74	14.73	14.80		
15	16QAM	36	0	14.81	14.68	14.71	16	0
15	16QAM	36	20	14.87	14.68	14.83		
15	16QAM	36	39	14.77	14.73	14.82		
15	16QAM	75	0	14.92	14.84	14.83		
15	64QAM	1	0	14.84	14.80	14.69	16	0
15	64QAM	1	37	14.91	14.89	14.62		
15	64QAM	1	74	14.88	14.73	14.75		
15	64QAM	36	0	14.54	14.40	14.38	16	0
15	64QAM	36	20	14.73	14.40	14.42		
15	64QAM	36	39	14.52	14.61	14.50		
15	64QAM	75	0	14.61	14.37	14.20		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	14.94	14.87	14.73	16	0
10	QPSK	1	25	14.50	14.59	14.91		
10	QPSK	1	49	14.76	14.63	14.87		
10	QPSK	25	0	14.56	14.35	14.55	16	0
10	QPSK	25	12	14.58	14.40	14.56		
10	QPSK	25	25	14.49	14.49	14.54		
10	QPSK	50	0	14.68	14.38	14.63		
10	16QAM	1	0	14.78	14.75	14.67	16	0
10	16QAM	1	25	14.71	14.71	14.81		
10	16QAM	1	49	14.67	14.82	14.85		
10	16QAM	25	0	14.62	14.45	14.38	16	0
10	16QAM	25	12	14.68	14.46	14.47		
10	16QAM	25	25	14.62	14.59	14.66		
10	16QAM	50	0	14.64	14.52	14.56		
10	64QAM	1	0	14.71	14.44	14.28	16	0
10	64QAM	1	25	14.39	14.72	14.58		
10	64QAM	1	49	14.77	14.49	14.55		
10	64QAM	25	0	14.33	14.29	14.18	16	0
10	64QAM	25	12	14.48	14.23	14.35		
10	64QAM	25	25	14.32	14.41	14.32		
10	64QAM	50	0	14.47	14.33	14.25		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	14.47	14.83	14.42	16	0
5	QPSK	1	12	14.50	14.38	14.51		
5	QPSK	1	24	14.46	14.40	14.60		
5	QPSK	12	0	14.47	14.37	14.44	16	0
5	QPSK	12	7	14.58	14.44	14.62		
5	QPSK	12	13	14.61	14.53	14.52		
5	QPSK	25	0	14.56	14.40	14.57		
5	16QAM	1	0	14.82	14.72	14.81	16	0
5	16QAM	1	12	14.83	14.65	14.73		
5	16QAM	1	24	14.95	14.64	14.74		
5	16QAM	12	0	14.56	14.44	14.55	16	0
5	16QAM	12	7	14.55	14.60	14.62		
5	16QAM	12	13	14.66	14.51	14.49		
5	16QAM	25	0	14.51	14.44	14.64		
5	64QAM	1	0	14.65	14.46	14.60	16	0
5	64QAM	1	12	14.51	14.63	14.54		
5	64QAM	1	24	14.82	14.55	14.68		
5	64QAM	12	0	14.44	14.25	14.30	16	0
5	64QAM	12	7	14.49	14.42	14.35		
5	64QAM	12	13	14.48	14.28	14.30		
5	64QAM	25	0	14.38	14.28	14.31		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	14.47	14.70	14.42	16	0
3	QPSK	1	8	14.44	14.40	14.46		
3	QPSK	1	14	14.57	14.30	14.56		
3	QPSK	8	0	14.55	14.37	14.46	16	0
3	QPSK	8	4	14.54	14.50	14.53		
3	QPSK	8	7	14.61	14.47	14.52		
3	QPSK	15	0	14.49	14.40	14.51		
3	16QAM	1	0	14.86	14.64	14.79	16	0
3	16QAM	1	8	14.86	14.79	14.71		
3	16QAM	1	14	14.76	14.73	14.85		
3	16QAM	8	0	14.65	14.47	14.53	16	0
3	16QAM	8	4	14.61	14.51	14.63		
3	16QAM	8	7	14.69	14.56	14.60		
3	16QAM	15	0	14.55	14.56	14.61		
3	64QAM	1	0	14.75	14.44	14.61	16	0
3	64QAM	1	8	14.84	14.73	14.72		
3	64QAM	1	14	14.75	14.64	14.67		
3	64QAM	8	0	14.48	14.23	14.34	16	0
3	64QAM	8	4	14.44	14.30	14.39		
3	64QAM	8	7	14.42	14.35	14.25		
3	64QAM	15	0	14.38	14.15	14.32		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	14.74	14.75	14.97	16	0
1.4	QPSK	1	3	14.84	14.61	14.58		
1.4	QPSK	1	5	14.78	14.81	14.82		
1.4	QPSK	3	0	14.43	14.36	14.63		
1.4	QPSK	3	1	14.45	14.42	14.38		
1.4	QPSK	3	3	14.49	14.33	14.44		
1.4	QPSK	6	0	14.40	14.33	14.50	16	0
1.4	16QAM	1	0	14.58	14.73	14.81	16	0
1.4	16QAM	1	3	14.85	14.83	14.65		
1.4	16QAM	1	5	14.72	14.65	14.70		
1.4	16QAM	3	0	14.60	14.48	14.52		
1.4	16QAM	3	1	14.50	14.65	14.59		
1.4	16QAM	3	3	14.58	14.31	14.60		
1.4	16QAM	6	0	14.70	14.52	14.57	16	0
1.4	64QAM	1	0	14.61	14.58	14.67	16	0
1.4	64QAM	1	3	14.71	14.55	14.64		
1.4	64QAM	1	5	14.59	14.56	14.58		
1.4	64QAM	3	0	14.51	14.50	14.50		
1.4	64QAM	3	1	14.60	14.50	14.56		
1.4	64QAM	3	3	14.50	14.55	14.54		
1.4	64QAM	6	0	14.13	14.15	14.19	16	0

Band 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	15.47	15.85	15.61	16.5	0
20	QPSK	1	49	15.63	15.50	15.36		
20	QPSK	1	99	15.43	15.54	15.51		
20	QPSK	50	0	15.65	15.82	15.68	16.5	0
20	QPSK	50	24	15.58	15.66	15.57		
20	QPSK	50	50	15.65	15.74	15.61		
20	QPSK	100	0	15.47	15.63	15.56		
20	16QAM	1	0	15.45	15.55	15.63	16.5	0
20	16QAM	1	49	15.73	15.69	15.73		
20	16QAM	1	99	15.61	15.75	15.71		
20	16QAM	50	0	15.44	15.70	15.42	16.5	0
20	16QAM	50	24	15.53	15.56	15.43		
20	16QAM	50	50	15.34	15.52	15.41		
20	16QAM	100	0	15.49	15.62	15.41		
20	64QAM	1	0	15.68	15.58	15.70	16.5	0
20	64QAM	1	49	15.46	15.59	15.63		
20	64QAM	1	99	15.48	15.52	15.59		
20	64QAM	50	0	15.44	15.62	15.40	16.5	0
20	64QAM	50	24	15.43	15.49	15.37		
20	64QAM	50	50	15.36	15.57	15.50		
20	64QAM	100	0	15.44	15.56	15.34		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	15.64	15.77	15.66	16.5	0
15	QPSK	1	37	15.48	15.52	15.41		
15	QPSK	1	74	15.53	15.57	15.49		
15	QPSK	36	0	15.56	15.75	15.68	16.5	0
15	QPSK	36	20	15.55	15.71	15.57		
15	QPSK	36	39	15.57	15.68	15.53		
15	QPSK	75	0	15.68	15.78	15.67		
15	16QAM	1	0	15.51	15.64	15.48	16.5	0
15	16QAM	1	37	15.73	15.52	15.66		
15	16QAM	1	74	15.67	15.51	15.47		
15	16QAM	36	0	15.46	15.62	15.58	16.5	0
15	16QAM	36	20	15.43	15.44	15.41		
15	16QAM	36	39	15.48	15.56	15.49		
15	16QAM	75	0	15.43	15.59	15.47		
15	64QAM	1	0	15.54	15.73	15.67	16.5	0
15	64QAM	1	37	15.53	15.64	15.50		
15	64QAM	1	74	15.53	15.62	15.47		
15	64QAM	36	0	15.47	15.61	15.41	16.5	0
15	64QAM	36	20	15.49	15.60	15.47		
15	64QAM	36	39	15.32	15.41	15.33		
15	64QAM	75	0	15.43	15.60	15.47		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	15.40	15.32	15.33	16.5	0
10	QPSK	1	25	15.35	15.56	15.27		
10	QPSK	1	49	15.40	15.50	15.39		
10	QPSK	25	0	15.37	15.53	15.40	16.5	0
10	QPSK	25	12	15.45	15.60	15.50		
10	QPSK	25	25	15.43	15.56	15.45		
10	QPSK	50	0	15.47	15.53	15.42		
10	16QAM	1	0	15.55	15.62	15.56	16.5	0
10	16QAM	1	25	15.67	15.51	15.68		
10	16QAM	1	49	15.66	15.72	15.66		
10	16QAM	25	0	15.30	15.35	15.29	16.5	0
10	16QAM	25	12	15.26	15.46	15.26		
10	16QAM	25	25	15.32	15.43	15.26		
10	16QAM	50	0	15.24	15.33	15.20		
10	64QAM	1	0	15.51	15.65	15.42	16.5	0
10	64QAM	1	25	15.36	15.51	15.30		
10	64QAM	1	49	15.37	15.57	15.43		
10	64QAM	25	0	15.23	15.32	15.25	16.5	0
10	64QAM	25	12	15.25	15.42	15.30		
10	64QAM	25	25	15.20	15.36	15.26		
10	64QAM	50	0	15.31	15.37	15.31		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	15.39	15.50	15.38	16.5	0
5	QPSK	1	12	15.58	15.76	15.45		
5	QPSK	1	24	15.46	15.58	15.28		
5	QPSK	12	0	15.57	15.59	15.49	16.5	0
5	QPSK	12	7	15.41	15.64	15.49		
5	QPSK	12	13	15.40	15.66	15.37		
5	QPSK	25	0	15.46	15.58	15.44		
5	16QAM	1	0	15.75	15.71	15.75	16.5	0
5	16QAM	1	12	15.66	15.64	15.63		
5	16QAM	1	24	15.77	15.62	15.62		
5	16QAM	12	0	15.37	15.47	15.35	16.5	0
5	16QAM	12	7	15.44	15.55	15.42		
5	16QAM	12	13	15.38	15.59	15.35		
5	16QAM	25	0	15.37	15.45	15.35		
5	64QAM	1	0	15.34	15.60	15.42	16.5	0
5	64QAM	1	12	15.52	15.76	15.50		
5	64QAM	1	24	15.54	15.58	15.39		
5	64QAM	12	0	15.37	15.45	15.36	16.5	0
5	64QAM	12	7	15.34	15.53	15.35		
5	64QAM	12	13	15.40	15.48	15.33		
5	64QAM	25	0	15.23	15.35	15.21		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	15.20	15.53	15.19	16.5	0
3	QPSK	1	8	15.27	15.45	15.26		
3	QPSK	1	14	15.13	15.30	15.23		
3	QPSK	8	0	15.40	15.51	15.33	16.5	0
3	QPSK	8	4	15.42	15.62	15.35		
3	QPSK	8	7	15.48	15.58	15.38		
3	QPSK	15	0	15.43	15.40	15.35		
3	16QAM	1	0	15.81	15.56	15.77	16.5	0
3	16QAM	1	8	15.65	15.49	15.70		
3	16QAM	1	14	15.59	15.69	15.73		
3	16QAM	8	0	15.11	15.33	15.22	16.5	0
3	16QAM	8	4	15.20	15.35	15.15		
3	16QAM	8	7	15.25	15.36	15.24		
3	16QAM	15	0	15.26	15.25	15.27		
3	64QAM	1	0	15.35	15.53	15.22	16.5	0
3	64QAM	1	8	15.38	15.57	15.39		
3	64QAM	1	14	15.36	15.38	15.34		
3	64QAM	8	0	15.25	15.39	15.19	16.5	0
3	64QAM	8	4	15.20	15.23	15.14		
3	64QAM	8	7	15.30	15.47	15.39		
3	64QAM	15	0	15.11	15.26	15.16		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	15.35	15.45	15.23	16.5	0
1.4	QPSK	1	3	15.34	15.54	15.31		
1.4	QPSK	1	5	15.20	15.45	15.22		
1.4	QPSK	3	0	15.31	15.39	15.29		
1.4	QPSK	3	1	15.38	15.56	15.42		
1.4	QPSK	3	3	15.29	15.55	15.30		
1.4	QPSK	6	0	15.39	15.53	15.17	16.5	0
1.4	16QAM	1	0	15.50	15.66	15.63	16.5	0
1.4	16QAM	1	3	15.78	15.59	15.75		
1.4	16QAM	1	5	15.59	15.53	15.48		
1.4	16QAM	3	0	15.55	15.48	15.47		
1.4	16QAM	3	1	15.39	15.63	15.46		
1.4	16QAM	3	3	15.36	15.58	15.30		
1.4	16QAM	6	0	15.27	15.42	15.27	16.5	0
1.4	64QAM	1	0	15.45	15.53	15.39	16.5	0
1.4	64QAM	1	3	15.50	15.72	15.44		
1.4	64QAM	1	5	15.45	15.56	15.36		
1.4	64QAM	3	0	15.29	15.32	15.26		
1.4	64QAM	3	1	15.36	15.51	15.34		
1.4	64QAM	3	3	15.32	15.44	15.23		
1.4	64QAM	6	0	15.23	15.30	15.18	16.5	0

Band 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	22.03	22.40	21.98	23.5	0
10	QPSK	1	25	22.08	22.13	22.18		
10	QPSK	1	49	22.01	22.16	22.09		
10	QPSK	25	0	22.09	22.17	21.95	23.5	0
10	QPSK	25	12	22.09	22.07	21.89		
10	QPSK	25	25	22.04	22.06	22.01		
10	QPSK	50	0	22.15	22.22	21.99		
10	16QAM	1	0	22.36	22.22	22.20	23.5	0
10	16QAM	1	25	22.17	22.31	22.19		
10	16QAM	1	49	22.12	22.16	22.20		
10	16QAM	25	0	22.37	22.24	22.12	23	0.5
10	16QAM	25	12	22.33	22.27	22.10		
10	16QAM	25	25	22.27	22.24	22.06		
10	16QAM	50	0	22.24	22.15	22.01		
10	64QAM	1	0	22.38	22.33	22.17	23	0.5
10	64QAM	1	25	22.22	22.25	22.29		
10	64QAM	1	49	22.35	22.29	22.18		
10	64QAM	25	0	21.28	21.31	21.14	22	1.5
10	64QAM	25	12	21.31	21.18	21.13		
10	64QAM	25	25	21.21	21.19	21.08		
10	64QAM	50	0	21.31	21.21	21.14		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	22.12	22.02	21.87	23.5	0
5	QPSK	1	12	22.08	22.12	21.91		
5	QPSK	1	24	21.97	22.01	21.85		
5	QPSK	12	0	22.21	22.12	21.89	23.5	0
5	QPSK	12	7	22.20	22.09	21.96		
5	QPSK	12	13	22.04	22.12	21.88		
5	QPSK	25	0	22.11	22.07	21.93		
5	16QAM	1	0	22.10	22.16	22.21	23.5	0
5	16QAM	1	12	22.25	22.15	22.23		
5	16QAM	1	24	22.10	22.35	22.08		
5	16QAM	12	0	22.28	22.23	22.08	23	0.5
5	16QAM	12	7	22.32	22.27	22.11		
5	16QAM	12	13	22.20	22.17	22.06		
5	16QAM	25	0	22.23	22.24	22.05		
5	64QAM	1	0	22.22	22.27	22.25	23	0.5
5	64QAM	1	12	22.36	22.21	22.17		
5	64QAM	1	24	22.38	22.39	22.23		
5	64QAM	12	0	21.32	21.26	21.25	22	1.5
5	64QAM	12	7	21.28	21.23	21.20		
5	64QAM	12	13	21.24	21.28	21.30		
5	64QAM	25	0	21.26	21.24	21.20		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	22.17	22.09	21.85	23.5	0
3	QPSK	1	8	22.14	22.02	21.93		
3	QPSK	1	14	21.89	21.99	21.75		
3	QPSK	8	0	22.16	22.03	21.95	23.5	0
3	QPSK	8	4	22.14	22.07	21.92		
3	QPSK	8	7	22.13	22.07	21.90		
3	QPSK	15	0	22.07	22.06	21.90		
3	16QAM	1	0	22.15	22.14	22.21	23.5	0
3	16QAM	1	8	22.10	22.30	22.19		
3	16QAM	1	14	22.28	22.22	22.17		
3	16QAM	8	0	22.23	22.21	22.04	23	0.5
3	16QAM	8	4	22.33	22.22	22.09		
3	16QAM	8	7	22.30	22.21	22.03		
3	16QAM	15	0	22.26	22.15	22.04		
3	64QAM	1	0	22.30	22.23	22.21	23	0.5
3	64QAM	1	8	22.26	22.18	22.18		
3	64QAM	1	14	22.34	22.25	22.19		
3	64QAM	8	0	21.33	21.26	21.10	22	1.5
3	64QAM	8	4	21.26	21.19	21.08		
3	64QAM	8	7	21.20	21.25	21.22		
3	64QAM	15	0	21.28	21.17	21.04		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	21.93	21.83	21.74	23.5	0
1.4	QPSK	1	3	21.94	22.09	21.79		
1.4	QPSK	1	5	21.92	21.91	21.73		
1.4	QPSK	3	0	21.95	21.92	21.71		
1.4	QPSK	3	1	22.02	22.02	21.80		
1.4	QPSK	3	3	21.91	21.96	21.70		
1.4	QPSK	6	0	22.05	21.94	21.83	23.5	0
1.4	16QAM	1	0	22.16	22.27	22.13	23.5	0
1.4	16QAM	1	3	22.28	22.25	22.15		
1.4	16QAM	1	5	22.27	22.31	22.06		
1.4	16QAM	3	0	22.13	21.99	21.86		
1.4	16QAM	3	1	22.14	22.19	21.83		
1.4	16QAM	3	3	21.96	22.03	21.84		
1.4	16QAM	6	0	22.29	22.20	21.97	23	0.5
1.4	64QAM	1	0	22.16	22.25	22.11	23	0.5
1.4	64QAM	1	3	22.36	22.36	22.08		
1.4	64QAM	1	5	22.23	22.28	22.09		
1.4	64QAM	3	0	22.27	22.24	22.16		
1.4	64QAM	3	1	22.36	22.30	22.19		
1.4	64QAM	3	3	22.20	22.21	22.15		
1.4	64QAM	6	0	21.18	21.12	21.05	22	1.5

Band 7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	13.86	14.11	13.64	14.5	0
20	QPSK	1	49	14.00	14.04	13.75		
20	QPSK	1	99	14.01	13.66	13.77		
20	QPSK	50	0	13.70	14.03	13.91	14.5	0
20	QPSK	50	24	13.80	13.80	13.96		
20	QPSK	50	50	13.84	13.84	13.99		
20	QPSK	100	0	13.78	13.96	13.92		
20	16QAM	1	0	13.90	13.92	14.02	14.5	0
20	16QAM	1	49	13.91	13.94	14.01		
20	16QAM	1	99	13.97	13.99	14.02		
20	16QAM	50	0	13.73	13.72	13.90	14.5	0
20	16QAM	50	24	13.81	13.82	13.98		
20	16QAM	50	50	13.80	13.84	14.05		
20	16QAM	100	0	13.78	13.79	13.93		
20	64QAM	1	0	13.75	13.78	13.86	14.5	0
20	64QAM	1	49	13.76	13.78	13.97		
20	64QAM	1	99	13.79	13.83	13.99		
20	64QAM	50	0	13.69	13.72	13.93	14.5	0
20	64QAM	50	24	13.78	13.81	13.98		
20	64QAM	50	50	13.80	13.84	14.04		
20	64QAM	100	0	13.76	13.79	13.94		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	13.61	13.63	13.75	14.5	0
15	QPSK	1	37	13.58	13.64	13.80		
15	QPSK	1	74	13.65	13.71	13.83		
15	QPSK	36	0	13.71	13.75	13.94	14.5	0
15	QPSK	36	20	13.80	13.81	14.03		
15	QPSK	36	39	13.79	13.85	14.03		
15	QPSK	75	0	13.81	13.84	13.92		
15	16QAM	1	0	13.91	13.93	14.09	14.5	0
15	16QAM	1	37	13.92	13.93	14.01		
15	16QAM	1	74	13.93	14.01	13.98		
15	16QAM	36	0	13.72	13.72	13.98	14.5	0
15	16QAM	36	20	13.81	13.81	14.02		
15	16QAM	36	39	13.80	13.84	14.06		
15	16QAM	75	0	13.79	13.80	13.97		
15	64QAM	1	0	13.80	13.78	13.90	14.5	0
15	64QAM	1	37	13.78	13.78	14.02		
15	64QAM	1	74	13.79	13.88	14.05		
15	64QAM	36	0	13.70	13.70	13.98	14.5	0
15	64QAM	36	20	13.80	13.80	14.03		
15	64QAM	36	39	13.79	13.85	14.06		
15	64QAM	75	0	13.83	13.80	13.96		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	13.50	13.52	13.71	14.5	0
10	QPSK	1	25	13.49	13.44	13.70		
10	QPSK	1	49	13.51	13.52	13.69		
10	QPSK	25	0	13.64	13.60	13.79	14.5	0
10	QPSK	25	12	13.66	13.67	13.83		
10	QPSK	25	25	13.62	13.67	13.87		
10	QPSK	50	0	13.66	13.64	13.77		
10	16QAM	1	0	13.87	13.86	14.08	14.5	0
10	16QAM	1	25	13.83	13.88	14.07		
10	16QAM	1	49	13.87	13.93	14.10		
10	16QAM	25	0	13.62	13.65	13.81	14.5	0
10	16QAM	25	12	13.64	13.68	13.83		
10	16QAM	25	25	13.64	13.68	13.89		
10	16QAM	50	0	13.62	13.64	13.78		
10	64QAM	1	0	13.84	13.91	14.09	14.5	0
10	64QAM	1	25	13.81	13.91	14.08		
10	64QAM	1	49	13.87	13.93	13.89		
10	64QAM	25	0	13.64	13.63	13.80	14.5	0
10	64QAM	25	12	13.66	13.67	13.83		
10	64QAM	25	25	13.63	13.68	13.86		
10	64QAM	50	0	13.60	13.65	13.78		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	13.51	13.47	13.75	14.5	0
5	QPSK	1	12	13.58	13.58	13.75		
5	QPSK	1	24	13.53	13.58	13.75		
5	QPSK	12	0	13.61	13.51	13.78	14.5	0
5	QPSK	12	7	13.62	13.67	13.84		
5	QPSK	12	13	13.63	13.63	13.85		
5	QPSK	25	0	13.60	13.62	13.82		
5	16QAM	1	0	13.82	13.84	13.86	14.5	0
5	16QAM	1	12	13.86	13.92	14.09		
5	16QAM	1	24	13.86	13.96	13.96		
5	16QAM	12	0	13.57	13.61	13.84	14.5	0
5	16QAM	12	7	13.68	13.68	13.89		
5	16QAM	12	13	13.65	13.70	13.89		
5	16QAM	25	0	13.61	13.65	13.80		
5	64QAM	1	0	13.75	13.69	13.98	14.5	0
5	64QAM	1	12	13.74	13.81	13.96		
5	64QAM	1	24	13.75	13.79	13.97		
5	64QAM	12	0	13.55	13.59	13.82	14.5	0
5	64QAM	12	7	13.65	13.67	13.88		
5	64QAM	12	13	13.64	13.69	13.88		
5	64QAM	25	0	13.61	13.63	13.82		

Band 13

BW [MHz]	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		22.57		23.5	0
10	QPSK	1	25		22.34			
10	QPSK	1	49		22.33			
10	QPSK	25	0		22.10		23.5	0
10	QPSK	25	12		22.05			
10	QPSK	25	25		22.01			
10	QPSK	50	0		22.08			
10	16QAM	1	0		22.41		23.5	0
10	16QAM	1	25		22.33			
10	16QAM	1	49		22.24			
10	16QAM	25	0		21.60		22.5	1
10	16QAM	25	12		21.77			
10	16QAM	25	25		21.72			
10	16QAM	50	0		21.77			
10	64QAM	1	0		21.56		22.5	1
10	64QAM	1	25		21.55			
10	64QAM	1	49		21.45			
10	64QAM	25	0		20.67		21.5	2
10	64QAM	25	12		20.66			
10	64QAM	25	25		20.76			
10	64QAM	50	0		20.50			
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	0	22.16	22.22	22.23	23.5	0
5	QPSK	1	12	22.28	22.30	22.30		
5	QPSK	1	24	22.27	22.31	22.23		
5	QPSK	12	0	22.15	22.05	22.30	23.5	0
5	QPSK	12	7	22.19	22.31	22.38		
5	QPSK	12	13	22.14	22.28	22.36		
5	QPSK	25	0	22.45	22.22	22.39		
5	16QAM	1	0	22.45	22.45	22.53	23.5	0
5	16QAM	1	12	22.45	22.31	22.49		
5	16QAM	1	24	22.45	22.05	22.34		
5	16QAM	12	0	21.54	21.67	21.87	22.5	1
5	16QAM	12	7	21.44	21.66	21.56		
5	16QAM	12	13	21.43	21.55	21.89		
5	16QAM	25	0	22.00	21.89	21.98		
5	64QAM	1	0	21.03	21.01	21.01	22.5	1
5	64QAM	1	12	21.23	21.34	21.32		
5	64QAM	1	24	21.30	21.33	21.02		
5	64QAM	12	0	20.31	20.66	20.56	21.5	2
5	64QAM	12	7	20.69	20.78	20.55		
5	64QAM	12	13	20.63	20.75	20.34		
5	64QAM	25	0	20.41	20.66	20.43		

Band 25

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26140	26340	26590		
Frequency (MHz)				1860	1880	1905		
20	QPSK	1	0	14.93	15.18	15.00	16	0
20	QPSK	1	49	14.84	14.95	15.07		
20	QPSK	1	99	14.82	14.99	14.91		
20	QPSK	50	0	15.03	15.08	14.89	16	0
20	QPSK	50	24	15.02	15.06	14.91		
20	QPSK	50	50	14.96	15.06	14.69		
20	QPSK	100	0	15.02	15.06	14.68		
20	16QAM	1	0	14.97	14.89	14.91	16	0
20	16QAM	1	49	14.87	14.88	14.89		
20	16QAM	1	99	14.73	14.81	14.91		
20	16QAM	50	0	14.60	14.62	14.69	16	0
20	16QAM	50	24	14.64	14.66	14.72		
20	16QAM	50	50	14.57	14.67	14.80		
20	16QAM	100	0	14.63	14.65	14.66		
20	64QAM	1	0	15.06	14.88	14.87	16	0
20	64QAM	1	49	14.82	14.99	14.83		
20	64QAM	1	99	14.75	14.88	14.79		
20	64QAM	50	0	14.59	14.82	14.67	16	0
20	64QAM	50	24	14.66	14.67	14.74		
20	64QAM	50	50	14.59	14.82	14.78		
20	64QAM	100	0	14.63	14.62	14.66		
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1907.5		
15	QPSK	1	0	14.88	14.97	15.08	16	0
15	QPSK	1	37	14.86	14.95	15.15		
15	QPSK	1	74	14.86	14.97	15.15		
15	QPSK	36	0	14.99	15.05	15.11	16	0
15	QPSK	36	20	15.02	15.08	14.65		
15	QPSK	36	39	15.01	15.06	14.68		
15	QPSK	75	0	14.99	15.05	15.15		
15	16QAM	1	0	14.81	14.88	14.93	16	0
15	16QAM	1	37	14.79	14.80	14.93		
15	16QAM	1	74	14.72	14.82	14.98		
15	16QAM	36	0	14.67	14.60	14.72	16	0
15	16QAM	36	20	14.65	14.64	14.82		
15	16QAM	36	39	14.56	14.60	14.76		
15	16QAM	75	0	14.62	14.61	14.72		
15	64QAM	1	0	14.75	15.05	14.87	16	0
15	64QAM	1	37	15.02	15.01	14.90		
15	64QAM	1	74	14.70	14.99	14.95		
15	64QAM	36	0	14.66	14.58	14.91	16	0
15	64QAM	36	20	14.65	14.66	14.99		
15	64QAM	36	39	14.58	14.61	14.98		
15	64QAM	75	0	14.62	14.66	14.94		
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1910		
10	QPSK	1	0	14.67	14.73	14.87	16	0
10	QPSK	1	25	14.62	14.68	14.97		
10	QPSK	1	49	14.57	14.71	14.90		
10	QPSK	25	0	14.77	14.87	14.97	16	0
10	QPSK	25	12	14.80	14.85	15.01		
10	QPSK	25	25	14.79	14.87	15.11		
10	QPSK	50	0	14.82	14.86	15.07		
10	16QAM	1	0	14.68	14.61	14.83	16	0
10	16QAM	1	25	14.61	14.69	14.86		
10	16QAM	1	49	14.62	14.62	14.84		
10	16QAM	25	0	14.37	14.37	14.49	16	0
10	16QAM	25	12	14.43	14.44	14.79		
10	16QAM	25	25	14.40	14.42	14.77		
10	16QAM	50	0	14.40	14.40	14.75		
10	64QAM	1	0	14.65	14.63	14.91	16	0
10	64QAM	1	25	14.85	14.81	15.03		
10	64QAM	1	49	14.65	14.65	15.01		
10	64QAM	25	0	14.37	14.41	14.73	16	0
10	64QAM	25	12	14.44	14.48	14.80		
10	64QAM	25	25	14.39	14.39	14.84		
10	64QAM	50	0	14.34	14.41	14.75		
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1912.5		
5	QPSK	1	0	14.71	14.76	14.97	16	0
5	QPSK	1	12	14.68	14.77	15.03		
5	QPSK	1	24	14.70	14.79	14.97		
5	QPSK	12	0	14.80	14.87	15.11	16	0
5	QPSK	12	7	14.79	14.86	14.79		
5	QPSK	12	13	14.76	14.81	15.10		
5	QPSK	25	0	14.77	14.84	15.13		
5	16QAM	1	0	14.59	14.56	14.85	16	0
5	16QAM	1	12	14.50	14.54	14.75		
5	16QAM	1	24	14.60	14.61	14.81		
5	16QAM	12	0	14.35	14.38	14.57	16	0
5	16QAM	12	7	14.41	14.46	14.62		
5	16QAM	12	13	14.45	14.44	14.66		
5	16QAM	25	0	14.38	14.41	14.62		
5	64QAM	1	0	14.51	14.49	14.74	16	0
5	64QAM	1	12	14.48	14.52	14.72		
5	64QAM	1	24	14.54	14.55	14.79		
5	64QAM	12	0	14.34	14.39	14.56	16	0
5	64QAM	12	7	14.43	14.41	14.70		
5	64QAM	12	13	14.39	14.43	14.65		
5	64QAM	25	0	14.42	14.42	14.62		
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1913.5		
3	QPSK	1	0	14.77	14.87	14.97	16	0
3	QPSK	1	8	14.80	14.85	15.01		
3	QPSK	1	14	14.79	14.87	15.11		
3	QPSK	8	0	14.82	14.86	15.07	16	0
3	QPSK	8	4	14.68	14.61	14.83		
3	QPSK	8	7	14.61	14.69	14.86		
3	QPSK	15	0	14.62	14.62	14.84		
3	16QAM	1	0	14.37	14.37	14.49	16	0
3	16QAM	1	8	14.43	14.44	14.59		
3	16QAM	1	14	14.40	14.42	14.57		
3	16QAM	8	0	14.59	14.56	14.85	16	0
3	16QAM	8	4	14.50	14.54	14.75		
3	16QAM	8	7	14.60	14.61	14.81		
3	16QAM	15	0	14.35	14.38	14.57		
3	64QAM	1	0	14.41	14.46	14.62	16	0
3	64QAM	1	8	14.45	14.44	14.66		
3	64QAM	1	14	14.38	14.41	14.62		
3	64QAM	8	0	14.51	14.49	14.74	16	0
3	64QAM	8	4	14.34	14.39	14.56		
3	64QAM	8	7	14.43	14.41	14.70		
3	64QAM	15	0	14.39	14.43	14.65		
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1914.3		
1.4	QPSK	1	0	14.45	14.44	14.66	16	0
1.4	QPSK	1	3	14.38	14.41	14.62		
1.4	QPSK	1	5	14.51	14.49	14.74		
1.4	QPSK	3	0	14.48	14.52	14.72		
1.4	QPSK	3	1	14.54	14.55	14.79		
1.4	QPSK	3	3	14.34	14.39	14.56		
1.4	QPSK	6	0	14.43	14.41	14.70	16	0
1.4	16QAM	1	0	14.39	14.43	14.65	16	0
1.4	16QAM	1	3	14.57	14.71	14.70		
1.4	16QAM	1	5	14.77	14.87	14.50		
1.4	16QAM	3	0	14.80	14.85	15.01		
1.4	16QAM	3	1	14.79	14.87	15.11		
1.4	16QAM	3	3	14.82	14.86	15.07		
1.4	16QAM	6	0	14.68	14.61	14.83	16	0
1.4	64QAM	1	0	14.61	14.69	14.86	16	0
1.4	64QAM	1	3	14.65	14.64	14.82		
1.4	64QAM	1	5	14.56	14.60	14.76		
1.4	64QAM	3	0	14.62	14.61	14.72		
1.4	64QAM	3	1	14.75	15.05	14.87		
1.4	64QAM	3	3	15.02	15.01	14.90		
1.4	64QAM	6	0	14.70	14.99	14.95	16	0

Band 26 for FCC

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	22.38	22.59	22.34	23.5	0
15	QPSK	1	37	22.26	22.27	22.24		
15	QPSK	1	74	22.27	22.23	22.24		
15	QPSK	36	0	22.46	22.48	22.41	23.5	0
15	QPSK	36	20	22.46	22.41	22.34		
15	QPSK	36	39	22.35	22.29	22.38		
15	QPSK	75	0	22.36	22.45	22.24		
15	16QAM	1	0	22.51	22.43	22.47	23.5	0
15	16QAM	1	37	22.39	22.39	22.43		
15	16QAM	1	74	22.39	22.42	22.27		
15	16QAM	36	0	22.47	22.43	22.30	23	0.5
15	16QAM	36	20	22.41	22.43	22.41		
15	16QAM	36	39	22.37	22.42	22.35		
15	16QAM	75	0	22.45	22.43	22.40		
15	64QAM	1	0	22.09	22.36	22.36	23	0.5
15	64QAM	1	37	22.22	22.55	22.55		
15	64QAM	1	74	22.37	22.38	22.27		
15	64QAM	36	0	21.37	21.54	21.47	22	1.5
15	64QAM	36	20	21.36	21.41	21.40		
15	64QAM	36	39	21.39	21.42	21.28		
15	64QAM	75	0	21.45	21.40	21.38		
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	0	22.21	22.15	22.21	23.5	0
10	QPSK	1	25	22.18	22.10	22.06		
10	QPSK	1	49	22.13	22.09	21.87		
10	QPSK	25	0	22.28	22.29	22.27	23.5	0
10	QPSK	25	12	22.32	22.27	22.22		
10	QPSK	25	25	22.19	22.18	22.24		
10	QPSK	50	0	22.25	22.31	22.10		
10	16QAM	1	0	22.57	22.42	22.43	23.5	0
10	16QAM	1	25	22.45	22.45	22.29		
10	16QAM	1	49	22.25	22.25	22.17		
10	16QAM	25	0	22.33	22.29	22.16	23	0.5
10	16QAM	25	12	22.27	22.29	22.27		
10	16QAM	25	25	22.23	22.28	22.21		
10	16QAM	50	0	22.31	22.29	22.26		
10	64QAM	1	0	21.95	22.22	22.22	23	0.5
10	64QAM	1	25	22.08	22.41	22.41		
10	64QAM	1	49	22.23	22.24	22.13		
10	64QAM	25	0	21.23	21.40	21.33	22	1.5
10	64QAM	25	12	21.22	21.27	21.26		
10	64QAM	25	25	21.25	21.28	21.14		
10	64QAM	50	0	21.31	21.26	21.24		
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	0	22.24	22.12	22.23	23.5	0
5	QPSK	1	12	22.10	22.22	22.13		
5	QPSK	1	24	21.96	21.99	21.92		
5	QPSK	12	0	22.34	22.20	22.13	23.5	0
5	QPSK	12	7	22.34	22.15	22.13		
5	QPSK	12	13	22.21	22.25	22.00		
5	QPSK	25	0	22.19	22.23	22.01		
5	16QAM	1	0	22.43	22.39	22.50	23.5	0
5	16QAM	1	12	22.39	22.42	22.52		
5	16QAM	1	24	22.53	22.41	22.51		
5	16QAM	12	0	22.47	22.43	22.30	23	0.5
5	16QAM	12	7	22.41	22.43	22.41		
5	16QAM	12	13	22.37	22.42	22.35		
5	16QAM	25	0	22.45	22.43	22.40		
5	64QAM	1	0	22.09	22.36	22.36	23	0.5
5	64QAM	1	12	22.22	22.55	22.55		
5	64QAM	1	24	22.37	22.38	22.27		
5	64QAM	12	0	21.37	21.54	21.47	22	1.5
5	64QAM	12	7	21.36	21.41	21.40		
5	64QAM	12	13	21.39	21.42	21.28		
5	64QAM	25	0	21.45	21.40	21.38		
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				815.5	831.5	847.5		
3	QPSK	1	0	22.23	22.15	22.04	23.5	0
3	QPSK	1	8	22.24	22.26	22.03		
3	QPSK	1	14	22.08	22.17	21.94		
3	QPSK	8	0	22.28	22.23	22.05	23.5	0
3	QPSK	8	4	22.36	22.17	21.99		
3	QPSK	8	7	22.25	22.26	21.89		
3	QPSK	15	0	22.30	22.13	22.02		
3	16QAM	1	0	22.39	22.49	22.30	23.5	0
3	16QAM	1	8	22.43	22.40	22.43		
3	16QAM	1	14	22.47	22.43	22.10		
3	16QAM	8	0	22.23	22.20	22.05	23	0.5
3	16QAM	8	4	22.33	22.20	22.09		
3	16QAM	8	7	22.13	22.29	22.10		
3	16QAM	15	0	22.25	22.19	22.07		
3	64QAM	1	0	22.16	22.39	22.34	23	0.5
3	64QAM	1	8	21.94	22.36	22.31		
3	64QAM	1	14	22.20	22.38	22.22		
3	64QAM	8	0	20.81	21.25	21.16	22	1.5
3	64QAM	8	4	20.97	21.19	21.10		
3	64QAM	8	7	21.26	21.24	21.09		
3	64QAM	15	0	21.02	21.28	21.23		
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				814.7	831.5	848.3		
1.4	QPSK	1	0	22.15	22.04	21.83	23.5	0
1.4	QPSK	1	3	22.17	22.12	21.88		
1.4	QPSK	1	5	22.13	22.07	21.80		
1.4	QPSK	3	0	22.11	22.00	21.94		
1.4	QPSK	3	1	22.15	22.14	21.90		
1.4	QPSK	3	3	22.14	22.01	21.86		
1.4	QPSK	6	0	22.21	22.17	21.94	23.5	0
1.4	16QAM	1	0	22.54	22.32	22.17	23.5	0
1.4	16QAM	1	3	22.54	22.53	22.20		
1.4	16QAM	1	5	22.43	22.40	22.21		
1.4	16QAM	3	0	22.25	22.17	22.05		
1.4	16QAM	3	1	22.38	22.23	22.12		
1.4	16QAM	3	3	22.19	22.21	22.06		
1.4	16QAM	6	0	22.36	22.21	22.07	23	0.5
1.4	64QAM	1	0	22.03	22.36	21.97	23	0.5
1.4	64QAM	1	3	22.03	22.47	22.03		
1.4	64QAM	1	5	22.00	22.40	22.02		
1.4	64QAM	3	0	22.07	22.22	21.96		
1.4	64QAM	3	1	22.06	22.26	22.01		
1.4	64QAM	3	3	21.92	22.30	21.98		
1.4	64QAM	6	0	21.03	21.16	21.05	22	1.5

Band 66

BW [MHz]	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	15.50	15.81	15.68	16.5	0
20	QPSK	1	49	15.38	15.55	15.57		
20	QPSK	1	99	15.44	15.57	15.48		
20	QPSK	50	0	15.31	15.69	15.56	16.5	0
20	QPSK	50	24	15.44	15.54	15.58		
20	QPSK	50	50	15.38	15.56	15.52		
20	QPSK	100	0	15.34	15.62	15.52		
20	16QAM	1	0	15.51	15.64	15.76	16.5	0
20	16QAM	1	49	15.50	15.74	15.71		
20	16QAM	1	99	15.64	15.69	15.57		
20	16QAM	50	0	15.40	15.60	15.66	16.5	0
20	16QAM	50	24	15.43	15.59	15.59		
20	16QAM	50	50	15.39	15.60	15.57		
20	16QAM	100	0	15.43	15.54	15.59		
20	64QAM	1	0	15.57	15.65	15.74	16.5	0
20	64QAM	1	49	15.56	15.65	15.60		
20	64QAM	1	99	15.76	15.55	15.53		
20	64QAM	50	0	15.34	15.62	15.59	16.5	0
20	64QAM	50	24	15.41	15.55	15.54		
20	64QAM	50	50	15.41	15.58	15.59		
20	64QAM	100	0	15.40	15.56	15.57		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	15.35	15.58	15.64	16.5	0
15	QPSK	1	37	15.25	15.50	15.47		
15	QPSK	1	74	15.33	15.54	15.52		
15	QPSK	36	0	15.18	15.48	15.52	16.5	0
15	QPSK	36	20	15.22	15.42	15.45		
15	QPSK	36	39	15.23	15.49	15.52		
15	QPSK	75	0	15.22	15.48	15.48		
15	16QAM	1	0	15.52	15.71	15.77	16.5	0
15	16QAM	1	37	15.42	15.64	15.70		
15	16QAM	1	74	15.45	15.67	15.53		
15	16QAM	36	0	15.26	15.51	15.48	16.5	0
15	16QAM	36	20	15.35	15.48	15.47		
15	16QAM	36	39	15.30	15.58	15.47		
15	16QAM	75	0	15.36	15.49	15.46		
15	64QAM	1	0	15.48	15.65	15.76	16.5	0
15	64QAM	1	37	15.29	15.60	15.42		
15	64QAM	1	74	15.46	15.62	15.36		
15	64QAM	36	0	15.28	15.51	15.54	16.5	0
15	64QAM	36	20	15.27	15.41	15.46		
15	64QAM	36	39	15.25	15.48	15.47		
15	64QAM	75	0	15.29	15.40	15.50		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	15.32	15.52	15.57	16.5	0
10	QPSK	1	25	15.26	15.58	15.48		
10	QPSK	1	49	15.19	15.46	15.42		
10	QPSK	25	0	15.20	15.39	15.41	16.5	0
10	QPSK	25	12	15.17	15.43	15.37		
10	QPSK	25	25	15.16	15.44	15.39		
10	QPSK	50	0	15.21	15.38	15.42		
10	16QAM	1	0	15.50	15.74	15.72	16.5	0
10	16QAM	1	25	15.45	15.73	15.66		
10	16QAM	1	49	15.49	15.68	15.64		
10	16QAM	25	0	15.20	15.45	15.37	16.5	0
10	16QAM	25	12	15.21	15.42	15.35		
10	16QAM	25	25	15.19	15.48	15.44		
10	16QAM	50	0	15.20	15.43	15.39		
10	64QAM	1	0	15.51	15.60	15.73	16.5	0
10	64QAM	1	25	15.54	15.77	15.77		
10	64QAM	1	49	15.38	15.72	15.70		
10	64QAM	25	0	15.20	15.43	15.38	16.5	0
10	64QAM	25	12	15.25	15.45	15.47		
10	64QAM	25	25	15.14	15.48	15.43		
10	64QAM	50	0	15.20	15.40	15.35		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	15.24	15.51	15.49	16.5	0
5	QPSK	1	12	15.28	15.60	15.57		
5	QPSK	1	24	15.19	15.56	15.49		
5	QPSK	12	0	15.35	15.62	15.60	16.5	0
5	QPSK	12	7	15.39	15.63	15.65		
5	QPSK	12	13	15.30	15.67	15.60		
5	QPSK	25	0	15.34	15.60	15.59		
5	16QAM	1	0	15.62	15.66	15.68	16.5	0
5	16QAM	1	12	15.55	15.70	15.61		
5	16QAM	1	24	15.56	15.77	15.70		
5	16QAM	12	0	15.41	15.65	15.69	16.5	0
5	16QAM	12	7	15.37	15.68	15.71		
5	16QAM	12	13	15.38	15.68	15.60		
5	16QAM	25	0	15.42	15.64	15.71		
5	64QAM	1	0	15.51	15.73	15.80	16.5	0
5	64QAM	1	12	15.52	15.76	15.67		
5	64QAM	1	24	15.51	15.78	15.74		
5	64QAM	12	0	15.38	15.61	15.62	16.5	0
5	64QAM	12	7	15.39	15.61	15.63		
5	64QAM	12	13	15.37	15.70	15.65		
5	64QAM	25	0	15.37	15.61	15.67		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	15.32	15.52	15.57	16.5	0
3	QPSK	1	8	15.26	15.58	15.48		
3	QPSK	1	14	15.19	15.46	15.42		
3	QPSK	8	0	15.20	15.39	15.41	16.5	0
3	QPSK	8	4	15.17	15.43	15.37		
3	QPSK	8	7	15.16	15.44	15.39		
3	QPSK	15	0	15.21	15.38	15.42		
3	16QAM	1	0	15.50	15.74	15.72	16.5	0
3	16QAM	1	8	15.45	15.73	15.66		
3	16QAM	1	14	15.49	15.68	15.64		
3	16QAM	8	0	15.20	15.45	15.37	16.5	0
3	16QAM	8	4	15.21	15.42	15.35		
3	16QAM	8	7	15.19	15.48	15.44		
3	16QAM	15	0	15.20	15.43	15.39		
3	64QAM	1	0	15.51	15.80	15.73	16.5	0
3	64QAM	1	8	15.54	15.77	15.77		
3	64QAM	1	14	15.38	15.72	15.70		
3	64QAM	8	0	15.20	15.43	15.38	16.5	0
3	64QAM	8	4	15.25	15.45	15.47		
3	64QAM	8	7	15.14	15.48	15.43		
3	64QAM	15	0	15.20	15.40	15.35		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	15.35	15.58	15.64	16.5	0
1.4	QPSK	1	3	15.25	15.50	15.47		
1.4	QPSK	1	5	15.33	15.54	15.52		
1.4	QPSK	3	0	15.18	15.48	15.52		
1.4	QPSK	3	1	15.22	15.42	15.45		
1.4	QPSK	3	3	15.23	15.49	15.52		
1.4	QPSK	6	0	15.22	15.48	15.48	16.5	0
1.4	16QAM	1	0	15.52	15.71	15.77	16.5	0
1.4	16QAM	1	3	15.42	15.64	15.70		
1.4	16QAM	1	5	15.45	15.67	15.53		
1.4	16QAM	3	0	15.26	15.51	15.48		
1.4	16QAM	3	1	15.35	15.48	15.47		
1.4	16QAM	3	3	15.30	15.58	15.47		
1.4	16QAM	6	0	15.36	15.49	15.46	16.5	0
1.4	64QAM	1	0	15.48	15.65	15.76	16.5	0
1.4	64QAM	1	3	15.29	15.60	15.42		
1.4	64QAM	1	5	15.46	15.62	15.36		
1.4	64QAM	3	0	15.28	15.51	15.54		
1.4	64QAM	3	1	15.27	15.41	15.46		
1.4	64QAM	3	3	15.25	15.48	15.47		
1.4	64QAM	6	0	15.29	15.40	15.50	16.5	0

Band 38

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	14.24	14.36	14.16	15	0
20	QPSK	1	49	14.18	14.16	14.12		
20	QPSK	1	99	14.20	14.22	14.16		
20	QPSK	50	0	14.32	14.39	14.23	15	0
20	QPSK	50	24	14.36	14.28	14.20		
20	QPSK	50	50	14.33	14.14	14.28		
20	QPSK	100	0	14.35	14.36	14.22		
20	16QAM	1	0	14.31	14.22	14.26	15	0
20	16QAM	1	49	14.24	14.20	14.14		
20	16QAM	1	99	14.29	14.26	14.21		
20	16QAM	50	0	14.27	14.30	14.16	15	0
20	16QAM	50	24	14.33	14.34	14.23		
20	16QAM	50	50	14.34	14.33	14.28		
20	16QAM	100	0	14.36	14.30	14.14		
20	64QAM	1	0	13.82	13.83	13.55	15	0
20	64QAM	1	49	13.80	13.77	13.43		
20	64QAM	1	99	13.83	13.81	13.33		
20	64QAM	50	0	14.23	14.21	13.89	15	0
20	64QAM	50	24	14.29	14.27	13.89		
20	64QAM	50	50	14.29	14.25	13.95		
20	64QAM	100	0	14.19	14.37	14.18		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	14.21	14.19	14.14	15	0
15	QPSK	1	37	14.21	14.23	14.21		
15	QPSK	1	74	14.22	14.26	14.19		
15	QPSK	36	0	14.34	14.21	13.89	15	0
15	QPSK	36	20	14.34	14.28	13.84		
15	QPSK	36	39	14.32	14.27	13.85		
15	QPSK	75	0	14.36	14.29	14.18		
15	16QAM	1	0	14.28	14.29	13.97	15	0
15	16QAM	1	37	14.17	14.07	13.95		
15	16QAM	1	74	14.34	14.28	13.90		
15	16QAM	36	0	14.30	14.21	13.81	15	0
15	16QAM	36	20	14.30	14.25	13.85		
15	16QAM	36	39	14.28	14.25	13.88		
15	16QAM	75	0	14.33	14.32	14.02		
15	64QAM	1	0	13.85	13.85	13.55	15	0
15	64QAM	1	37	13.87	13.78	13.65		
15	64QAM	1	74	13.90	13.84	13.71		
15	64QAM	36	0	14.34	14.24	13.87	15	0
15	64QAM	36	20	14.35	14.29	13.89		
15	64QAM	36	39	14.31	14.29	13.86		
15	64QAM	75	0	14.33	14.23	14.02		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	14.12	14.10	14.07	15	0
10	QPSK	1	25	14.18	14.18	14.14		
10	QPSK	1	49	14.05	14.10	14.08		
10	QPSK	25	0	14.22	14.07	14.05	15	0
10	QPSK	25	12	14.25	14.17	14.09		
10	QPSK	25	25	14.19	14.16	14.12		
10	QPSK	50	0	14.19	14.17	14.07		
10	16QAM	1	0	14.22	14.13	14.06	15	0
10	16QAM	1	25	14.23	14.24	14.18		
10	16QAM	1	49	14.16	14.17	14.17		
10	16QAM	25	0	14.17	14.03	13.99	15	0
10	16QAM	25	12	14.19	14.37	14.04		
10	16QAM	25	25	14.16	14.11	14.04		
10	16QAM	50	0	14.17	13.93	13.95		
10	64QAM	1	0	13.78	13.82	13.76	15	0
10	64QAM	1	25	13.77	13.75	13.53		
10	64QAM	1	49	13.72	13.76	13.51		
10	64QAM	25	0	14.12	14.03	14.02	15	0
10	64QAM	25	12	14.20	14.21	14.06		
10	64QAM	25	25	14.11	14.10	14.05		
10	64QAM	50	0	14.11	14.07	13.94		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	13.99	13.87	13.92	15	0
5	QPSK	1	12	14.06	13.98	13.95		
5	QPSK	1	24	13.97	13.92	13.78		
5	QPSK	12	0	14.22	14.12	14.18	15	0
5	QPSK	12	7	14.27	14.22	14.19		
5	QPSK	12	13	14.23	14.16	14.16		
5	QPSK	25	0	14.20	14.15	14.12		
5	16QAM	1	0	14.19	13.95	14.17	15	0
5	16QAM	1	12	14.32	14.12	14.20		
5	16QAM	1	24	14.19	14.15	14.14		
5	16QAM	12	0	14.16	14.13	14.07	15	0
5	16QAM	12	7	14.16	14.19	14.11		
5	16QAM	12	13	14.10	14.12	14.09		
5	16QAM	25	0	14.16	14.18	14.11		
5	64QAM	1	0	13.96	14.10	13.91	15	0
5	64QAM	1	12	14.09	14.12	14.02		
5	64QAM	1	24	14.03	14.15	13.90		
5	64QAM	12	0	14.17	14.08	14.06	15	0
5	64QAM	12	7	14.17	14.20	14.10		
5	64QAM	12	13	14.11	14.11	14.05		
5	64QAM	25	0	14.14	14.12	14.03		

Band 41/Band 41(HPUE)

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	14.06	14.24	14.54	14.14	14.22	15	0
20	QPSK	1	49	14.16	14.21	14.44	14.22	14.42		
20	QPSK	1	99	14.21	14.24	14.36	14.18	14.20		
20	QPSK	50	0	14.16	14.15	14.44	14.05	14.39	15	0
20	QPSK	50	24	14.19	14.21	14.15	14.11	14.35		
20	QPSK	50	50	14.18	14.22	14.15	14.07	14.42		
20	QPSK	100	0	14.17	14.21	14.36	14.02	14.34		
20	16QAM	1	0	14.10	14.05	14.07	14.05	14.17	15	0
20	16QAM	1	49	14.05	14.03	14.06	14.11	14.51		
20	16QAM	1	99	14.08	14.09	14.09	14.08	14.21		
20	16QAM	50	0	14.14	14.12	14.11	14.09	14.42	15	0
20	16QAM	50	24	14.20	14.17	14.18	14.09	14.39		
20	16QAM	50	50	14.20	14.19	14.12	14.12	14.45		
20	16QAM	100	0	14.19	14.18	14.14	14.03	14.39		
20	64QAM	1	0	13.92	13.88	13.94	13.89	13.93	15	0
20	64QAM	1	49	13.89	13.89	13.92	13.95	14.35		
20	64QAM	1	99	13.88	13.90	13.94	13.90	14.14		
20	64QAM	50	0	14.12	14.05	14.03	14.06	14.36	15	0
20	64QAM	50	24	14.20	14.14	14.10	14.13	14.51		
20	64QAM	50	50	14.14	14.13	14.07	14.12	14.42		
20	64QAM	100	0	14.23	14.17	14.20	14.08	14.44		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	14.35	14.29	14.19	14.20	14.10	15	0
15	QPSK	1	37	14.33	14.37	14.21	14.21	14.36		
15	QPSK	1	74	14.31	14.44	14.23	14.16	14.24		
15	QPSK	36	0	14.46	14.43	14.34	14.36	14.39	15	0
15	QPSK	36	20	14.45	14.45	14.35	14.39	14.52		
15	QPSK	36	39	14.43	14.47	14.38	14.42	14.46		
15	QPSK	75	0	14.44	14.50	14.29	14.24	14.41		
15	16QAM	1	0	14.41	14.39	14.39	14.35	14.28	15	0
15	16QAM	1	37	14.33	14.42	14.38	14.48	14.52		
15	16QAM	1	74	14.39	14.45	14.39	14.38	14.45		
15	16QAM	36	0	14.42	14.42	14.39	14.38	14.39	15	0
15	16QAM	36	20	14.45	14.44	14.39	14.48	14.37		
15	16QAM	36	39	14.45	14.43	14.38	14.39	14.45		
15	16QAM	75	0	14.47	14.28	14.30	14.29	14.47		
15	64QAM	1	0	14.38	14.48	14.46	14.48	14.09	15	0
15	64QAM	1	37	14.38	14.52	14.42	14.41	14.33		
15	64QAM	1	74	14.38	14.49	14.39	14.39	14.40		
15	64QAM	36	0	14.47	14.44	14.45	14.48	14.44	15	0
15	64QAM	36	20	14.45	14.46	14.46	14.50	14.31		
15	64QAM	36	39	14.45	14.49	14.48	14.45	14.52		
15	64QAM	75	0	14.45	14.28	14.30	14.34	14.46		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	14.18	14.16	14.22	14.28	14.29	15	0
10	QPSK	1	25	14.21	14.20	14.22	14.32	14.35		
10	QPSK	1	49	14.19	14.15	14.21	14.22	13.98		
10	QPSK	25	0	14.29	14.15	14.10	14.13	14.22	15	0
10	QPSK	25	12	14.33	14.28	14.25	14.17	14.29		
10	QPSK	25	25	14.30	14.29	14.20	14.10	14.25		
10	QPSK	50	0	14.29	14.26	14.21	14.12	14.24		
10	16QAM	1	0	14.32	14.30	14.29	14.38	14.21	15	0
10	16QAM	1	25	14.30	14.31	14.41	14.35	14.28		
10	16QAM	1	49	14.28	14.29	14.36	14.36	14.07		
10	16QAM	25	0	14.27	14.23	14.32	14.28	14.28	15	0
10	16QAM	25	12	14.26	14.24	14.25	14.23	14.38		
10	16QAM	25	25	14.28	14.23	14.28	14.26	14.02		
10	16QAM	50	0	14.26	14.23	14.34	14.42	13.98		
10	64QAM	1	0	14.25	14.24	14.30	14.22	14.01	15	0
10	64QAM	1	25	14.21	14.22	14.19	14.22	14.37		
10	64QAM	1	49	14.19	14.20	14.18	14.21	14.14		
10	64QAM	25	0	14.20	14.21	14.14	14.19	14.28	15	0
10	64QAM	25	12	14.28	14.22	14.23	14.22	14.25		
10	64QAM	25	25	14.23	14.17	14.19	14.21	14.24		
10	64QAM	50	0	14.21	14.17	14.19	14.20	14.17		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	14.12	14.13	14.08	14.02	14.10	15	0
5	QPSK	1	12	14.15	14.11	14.14	14.10	14.22		
5	QPSK	1	24	14.05	14.11	14.12	14.04	14.04		
5	QPSK	12	0	14.31	14.17	14.20	14.11	14.29	15	0
5	QPSK	12	7	14.31	14.29	14.25	14.22	14.26		
5	QPSK	12	13	14.31	14.25	14.21	14.10	14.20		
5	QPSK	25	0	14.29	14.23	14.21	14.02	13.90		
5	16QAM	1	0	14.32	14.20	14.19	14.19	14.28	15	0
5	16QAM	1	12	14.46	14.40	14.37	14.28	14.38		
5	16QAM	1	24	14.31	14.30	14.24	14.22	14.28		
5	16QAM	12	0	14.26	14.19	14.18	14.16	14.24	15	0
5	16QAM	12	7	14.29	14.24	14.21	14.24	14.35		
5	16QAM	12	13	14.23	14.20	14.15	14.21	14.28		
5	16QAM	25	0	14.27	14.22	14.20	14.15	14.30		
5	64QAM	1	0	14.14	14.02	14.03	14.02	14.08	15	0
5	64QAM	1	12	14.07	14.11	14.04	14.05	14.11		
5	64QAM	1	24	14.05	14.10	14.21	14.04	13.98		
5	64QAM	12	0	14.17	14.15	14.13	14.13	14.28	15	0
5	64QAM	12	7	14.21	14.21	14.18	14.19	14.32		
5	64QAM	12	13	14.18	14.16	14.14	14.14	14.18		
5	64QAM	25	0	14.19	14.17	14.13	14.13	14.32		

Reduced Power Mode for Handheld On

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	18.72	18.73	18.71	19.50	19.92	19.95	19.91	20.00
3GPP Rel 99	RMC 12.2Kbps	18.73	18.74	18.72	19.50	19.93	19.96	19.92	20.00
3GPP Rel 6	HSDPA Subtest-1	17.93	17.97	17.88	18.50	18.94	18.90	18.76	19.00
3GPP Rel 6	HSDPA Subtest-2	17.96	17.94	17.88	18.50	18.97	18.91	18.74	19.00
3GPP Rel 6	HSDPA Subtest-3	17.46	17.44	17.37	18.00	18.46	18.41	18.20	18.50
3GPP Rel 6	HSDPA Subtest-4	17.45	17.45	17.43	18.00	18.44	18.39	18.24	18.50
3GPP Rel 8	DC-HSDPA Subtest-1	17.92	17.96	17.87	18.50	18.93	18.89	18.75	19.00
3GPP Rel 8	DC-HSDPA Subtest-2	17.95	17.93	17.87	18.50	18.96	18.90	18.73	19.00
3GPP Rel 8	DC-HSDPA Subtest-3	17.45	17.43	17.36	18.00	18.45	18.40	18.19	18.50
3GPP Rel 8	DC-HSDPA Subtest-4	17.44	17.44	17.42	18.00	18.43	18.38	18.23	18.50
3GPP Rel 6	HSUPA Subtest-1	17.95	17.98	17.88	18.50	18.93	18.88	18.70	19.00
3GPP Rel 6	HSUPA Subtest-2	15.98	15.94	15.93	16.50	16.94	16.88	16.73	17.00
3GPP Rel 6	HSUPA Subtest-3	16.94	16.94	16.86	17.50	17.91	17.88	17.69	18.00
3GPP Rel 6	HSUPA Subtest-4	15.95	15.98	15.87	16.50	16.95	16.87	16.71	17.00
3GPP Rel 6	HSUPA Subtest-5	17.90	17.90	17.90	18.50	18.95	18.85	18.75	19.00

Band	CDMA BC1			Tune-up Limit (dBm)
TX Channel	25	600	1175	
Frequency (MHz)	1851.25	1880	1908.75	
RC1 SO55	21.15	21.33	21.46	22.00
RC3 SO55	21.17	21.35	21.48	22.00
RC3 SO32 (F+SCH)	21.13	21.35	21.51	22.00
RC3 SO32 (+SCH)	21.16	21.36	21.51	22.00
RTAP 153.6Kbps	21.21	21.39	21.53	22.00
RETAP 4096Bits	21.20	21.31	21.47	22.00

Band 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	19.66	20.00	19.70	21	0
20	QPSK	1	49	19.67	19.61	19.56		
20	QPSK	1	99	19.62	19.68	19.58		
20	QPSK	50	0	19.86	19.97	19.75	21	0
20	QPSK	50	24	19.91	19.69	19.78		
20	QPSK	50	50	19.79	19.80	19.86		
20	QPSK	100	0	19.86	19.96	19.79		
20	16QAM	1	0	19.74	19.74	19.86	21	0
20	16QAM	1	49	19.84	19.92	19.78		
20	16QAM	1	99	19.75	19.85	19.78		
20	16QAM	50	0	19.86	19.66	19.84	21	0
20	16QAM	50	24	19.87	19.77	19.68		
20	16QAM	50	50	19.75	19.77	19.86		
20	16QAM	100	0	19.89	19.74	19.78		
20	64QAM	1	0	19.93	19.81	19.76	21	0
20	64QAM	1	49	19.90	19.63	19.70		
20	64QAM	1	99	19.77	19.82	19.84		
20	64QAM	50	0	19.47	19.50	19.37	21	0
20	64QAM	50	24	19.63	19.42	19.41		
20	64QAM	50	50	19.59	19.53	19.31		
20	64QAM	100	0	19.64	19.38	19.26		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	19.76	19.68	19.64	21	0
15	QPSK	1	37	19.76	19.64	19.60		
15	QPSK	1	74	19.77	19.61	19.63		
15	QPSK	36	0	19.80	19.68	19.79	21	0
15	QPSK	36	20	19.94	19.83	19.83		
15	QPSK	36	39	19.85	19.74	19.94		
15	QPSK	75	0	19.89	19.74	19.87		
15	16QAM	1	0	19.69	19.78	19.62	21	0
15	16QAM	1	37	19.95	19.85	19.95		
15	16QAM	1	74	19.76	19.75	19.82		
15	16QAM	36	0	19.76	19.68	19.72	21	0
15	16QAM	36	20	19.95	19.69	19.84		
15	16QAM	36	39	19.79	19.75	19.84		
15	16QAM	75	0	19.87	19.64	19.84		
15	64QAM	1	0	19.92	19.81	19.70	21	0
15	64QAM	1	37	19.93	19.91	19.64		
15	64QAM	1	74	19.83	19.73	19.76		
15	64QAM	36	0	19.62	19.41	19.39	21	0
15	64QAM	36	20	19.75	19.42	19.44		
15	64QAM	36	39	19.52	19.61	19.51		
15	64QAM	75	0	19.64	19.38	19.21		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	19.49	19.72	19.44	21	0
10	QPSK	1	25	19.44	19.43	19.47		
10	QPSK	1	49	19.65	19.31	19.57		
10	QPSK	25	0	19.57	19.39	19.48	21	0
10	QPSK	25	12	19.49	19.50	19.54		
10	QPSK	25	25	19.69	19.48	19.53		
10	QPSK	50	0	19.51	19.42	19.53		
10	16QAM	1	0	19.81	19.64	19.80	21	0
10	16QAM	1	25	19.94	19.80	19.72		
10	16QAM	1	49	19.78	19.75	19.87		
10	16QAM	25	0	19.60	19.47	19.54	21	0
10	16QAM	25	12	19.69	19.52	19.64		
10	16QAM	25	25	19.71	19.58	19.62		
10	16QAM	50	0	19.55	19.56	19.62		
10	64QAM	1	0	19.78	19.45	19.62	21	0
10	64QAM	1	25	19.86	19.75	19.74		
10	64QAM	1	49	19.75	19.67	19.68		
10	64QAM	25	0	19.51	19.24	19.35	21	0
10	64QAM	25	12	19.46	19.32	19.41		
10	64QAM	25	25	19.42	19.38	19.26		
10	64QAM	50	0	19.41	19.16	19.33		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	19.47	19.86	19.43	21	0
5	QPSK	1	12	19.53	19.39	19.52		
5	QPSK	1	24	19.48	19.42	19.62		
5	QPSK	12	0	19.47	19.40	19.45	21	0
5	QPSK	12	7	19.66	19.45	19.63		
5	QPSK	12	13	19.63	19.55	19.54		
5	QPSK	25	0	19.51	19.40	19.58		
5	16QAM	1	0	19.90	19.73	19.82	21	0
5	16QAM	1	12	19.85	19.67	19.75		
5	16QAM	1	24	19.90	19.64	19.75		
5	16QAM	12	0	19.64	19.45	19.56	21	0
5	16QAM	12	7	19.57	19.62	19.64		
5	16QAM	12	13	19.61	19.51	19.50		
5	16QAM	25	0	19.59	19.45	19.65		
5	64QAM	1	0	19.67	19.48	19.62	21	0
5	64QAM	1	12	19.51	19.63	19.55		
5	64QAM	1	24	19.85	19.56	19.69		
5	64QAM	12	0	19.46	19.27	19.32	21	0
5	64QAM	12	7	19.49	19.45	19.36		
5	64QAM	12	13	19.51	19.29	19.31		
5	64QAM	25	0	19.40	19.30	19.33		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	19.97	19.88	19.74	21	0
3	QPSK	1	8	19.52	19.61	19.93		
3	QPSK	1	14	19.76	19.66	19.88		
3	QPSK	8	0	19.59	19.36	19.56	21	0
3	QPSK	8	4	19.60	19.42	19.58		
3	QPSK	8	7	19.49	19.52	19.55		
3	QPSK	15	0	19.76	19.39	19.64		
3	16QAM	1	0	19.80	19.77	19.69	21	0
3	16QAM	1	8	19.66	19.71	19.82		
3	16QAM	1	14	19.75	19.83	19.86		
3	16QAM	8	0	19.64	19.47	19.40	21	0
3	16QAM	8	4	19.63	19.46	19.48		
3	16QAM	8	7	19.70	19.60	19.67		
3	16QAM	15	0	19.66	19.54	19.58		
3	64QAM	1	0	19.66	19.44	19.31	21	0
3	64QAM	1	8	19.47	19.73	19.59		
3	64QAM	1	14	19.79	19.51	19.57		
3	64QAM	8	0	19.33	19.29	19.19	21	0
3	64QAM	8	4	19.51	19.24	19.36		
3	64QAM	8	7	19.34	19.43	19.34		
3	64QAM	15	0	19.47	19.36	19.26		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	19.82	19.76	19.98	21	0
1.4	QPSK	1	3	19.86	19.63	19.60		
1.4	QPSK	1	5	19.73	19.81	19.83		
1.4	QPSK	3	0	19.51	19.37	19.64		
1.4	QPSK	3	1	19.47	19.44	19.40		
1.4	QPSK	3	3	19.44	19.33	19.45		
1.4	QPSK	6	0	19.48	19.34	19.51	21	0
1.4	16QAM	1	0	19.60	19.75	19.83	21	0
1.4	16QAM	1	3	19.80	19.83	19.66		
1.4	16QAM	1	5	19.80	19.66	19.71		
1.4	16QAM	3	0	19.62	19.50	19.54		
1.4	16QAM	3	1	19.50	19.65	19.60		
1.4	16QAM	3	3	19.61	19.32	19.61		
1.4	16QAM	6	0	19.72	19.54	19.59	21	0
1.4	64QAM	1	0	19.61	19.61	19.68	21	0
1.4	64QAM	1	3	19.74	19.56	19.65		
1.4	64QAM	1	5	19.61	19.58	19.60		
1.4	64QAM	3	0	19.51	19.53	19.51		
1.4	64QAM	3	1	19.63	19.51	19.57		
1.4	64QAM	3	3	19.52	19.57	19.56		
1.4	64QAM	6	0	19.13	19.18	19.20	21	0

Band 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	21.49	21.59	21.35	22	0
20	QPSK	1	49	21.20	21.39	21.24		
20	QPSK	1	99	21.17	21.16	21.17		
20	QPSK	50	0	21.28	21.39	21.29	22	0
20	QPSK	50	24	21.31	21.33	21.26		
20	QPSK	50	50	21.23	21.31	21.28		
20	QPSK	100	0	21.31	21.39	21.32		
20	16QAM	1	0	21.41	21.49	21.51	22	0
20	16QAM	1	49	21.35	21.50	21.48		
20	16QAM	1	99	21.54	21.43	21.39		
20	16QAM	50	0	21.32	21.39	21.29	22	0
20	16QAM	50	24	21.42	21.41	21.44		
20	16QAM	50	50	21.42	21.42	21.28		
20	16QAM	100	0	21.35	21.37	21.22		
20	64QAM	1	0	21.39	21.47	21.53	22	0
20	64QAM	1	49	21.35	21.36	21.21		
20	64QAM	1	99	21.43	21.38	21.13		
20	64QAM	50	0	20.89	20.82	20.82	22	0
20	64QAM	50	24	20.88	20.86	20.85		
20	64QAM	50	50	20.73	20.86	20.71		
20	64QAM	100	0	20.86	20.76	20.70		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	21.11	21.05	20.90	22	0
15	QPSK	1	37	21.20	21.11	20.90		
15	QPSK	1	74	21.02	21.06	20.92		
15	QPSK	36	0	21.13	21.16	21.03	22	0
15	QPSK	36	20	21.26	21.17	21.10		
15	QPSK	36	39	21.06	21.19	21.05		
15	QPSK	75	0	21.11	21.12	21.01		
15	16QAM	1	0	21.37	21.35	21.29	22	0
15	16QAM	1	37	21.34	21.46	21.25		
15	16QAM	1	74	21.36	21.47	21.28		
15	16QAM	36	0	21.23	21.24	21.11	22	0
15	16QAM	36	20	21.30	21.25	21.06		
15	16QAM	36	39	21.23	21.23	21.16		
15	16QAM	75	0	21.24	21.16	21.08		
15	64QAM	1	0	21.25	21.36	21.07	22	0
15	64QAM	1	37	21.43	21.31	21.30		
15	64QAM	1	74	21.38	21.32	21.16		
15	64QAM	36	0	20.69	20.72	20.50	22	0
15	64QAM	36	20	20.78	20.67	20.57		
15	64QAM	36	39	20.75	20.70	20.55		
15	64QAM	75	0	20.65	20.62	20.42		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	21.10	21.08	20.86	22	0
10	QPSK	1	25	21.08	21.30	20.92		
10	QPSK	1	49	20.94	21.02	20.86		
10	QPSK	25	0	21.10	21.20	20.96	22	0
10	QPSK	25	12	21.12	21.11	21.08		
10	QPSK	25	25	21.14	21.20	20.98		
10	QPSK	50	0	21.15	21.22	21.07		
10	16QAM	1	0	21.38	21.31	21.35	22	0
10	16QAM	1	25	21.49	21.38	21.29		
10	16QAM	1	49	21.31	21.51	21.26		
10	16QAM	25	0	21.09	21.10	21.02	22	0
10	16QAM	25	12	21.21	21.12	21.11		
10	16QAM	25	25	21.10	21.24	20.97		
10	16QAM	50	0	21.21	21.17	21.15		
10	64QAM	1	0	21.45	21.18	21.30	22	0
10	64QAM	1	25	21.31	21.38	21.16		
10	64QAM	1	49	21.23	21.18	21.21		
10	64QAM	25	0	20.69	20.68	20.63	22	0
10	64QAM	25	12	20.66	20.69	20.47		
10	64QAM	25	25	20.68	20.74	20.60		
10	64QAM	50	0	20.71	20.68	20.53		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	21.30	21.20	21.21	22	0
5	QPSK	1	12	21.12	21.16	21.02		
5	QPSK	1	24	21.17	21.31	20.97		
5	QPSK	12	0	21.24	21.29	21.36	22	0
5	QPSK	12	7	21.30	21.29	21.23		
5	QPSK	12	13	21.29	21.41	21.26		
5	QPSK	25	0	21.28	21.37	21.32		
5	16QAM	1	0	21.57	21.44	21.55	22	0
5	16QAM	1	12	21.34	21.50	21.42		
5	16QAM	1	24	21.47	21.36	21.34		
5	16QAM	12	0	21.31	21.37	21.32	22	0
5	16QAM	12	7	21.32	21.39	21.20		
5	16QAM	12	13	21.27	21.39	21.24		
5	16QAM	25	0	21.33	21.34	21.25		
5	64QAM	1	0	21.34	21.54	21.35	22	0
5	64QAM	1	12	21.35	21.36	21.38		
5	64QAM	1	24	21.39	21.46	21.25		
5	64QAM	12	0	20.78	20.88	20.82	22	0
5	64QAM	12	7	20.88	20.85	20.70		
5	64QAM	12	13	20.84	20.86	20.72		
5	64QAM	25	0	20.81	20.81	20.66		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	21.18	21.04	20.89	22	0
3	QPSK	1	8	21.04	21.36	20.88		
3	QPSK	1	14	20.90	21.00	20.87		
3	QPSK	8	0	21.18	21.16	20.99	22	0
3	QPSK	8	4	21.08	21.17	21.04		
3	QPSK	8	7	21.10	21.18	20.99		
3	QPSK	15	0	21.23	21.18	21.10		
3	16QAM	1	0	21.34	21.37	21.31	22	0
3	16QAM	1	8	21.45	21.36	21.30		
3	16QAM	1	14	21.39	21.47	21.29		
3	16QAM	8	0	21.23	21.23	21.02	22	0
3	16QAM	8	4	21.24	21.21	21.11		
3	16QAM	8	7	21.26	21.23	21.12		
3	16QAM	15	0	21.18	21.21	20.98		
3	64QAM	1	0	21.45	21.37	21.24	22	0
3	64QAM	1	8	21.40	21.29	21.20		
3	64QAM	1	14	21.27	21.40	21.11		
3	64QAM	8	0	20.75	20.71	20.55	22	0
3	64QAM	8	4	20.78	20.77	20.62		
3	64QAM	8	7	20.62	20.75	20.48		
3	64QAM	15	0	20.72	20.65	20.50		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	20.98	21.07	20.77	22	0
1.4	QPSK	1	3	21.06	21.00	20.95		
1.4	QPSK	1	5	21.06	21.01	20.82		
1.4	QPSK	3	0	21.02	21.19	20.85		
1.4	QPSK	3	1	21.09	21.13	20.97		
1.4	QPSK	3	3	21.06	21.06	20.82		
1.4	QPSK	6	0	21.07	21.16	20.94	22	0
1.4	16QAM	1	0	21.35	21.34	21.16	22	0
1.4	16QAM	1	3	21.43	21.42	21.21		
1.4	16QAM	1	5	21.22	21.49	21.06		
1.4	16QAM	3	0	21.08	21.05	21.08		
1.4	16QAM	3	1	21.20	21.28	21.04		
1.4	16QAM	3	3	21.03	21.11	20.94		
1.4	16QAM	6	0	21.21	21.29	21.09	22	0
1.4	64QAM	1	0	21.20	21.29	21.13	22	0
1.4	64QAM	1	3	21.33	21.38	21.12		
1.4	64QAM	1	5	21.28	21.24	21.08		
1.4	64QAM	3	0	21.30	21.22	21.05		
1.4	64QAM	3	1	21.21	21.31	21.01		
1.4	64QAM	3	3	21.19	21.29	21.05		
1.4	64QAM	6	0	20.69	20.58	20.40	22	0

Band 7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	21.51	21.82	21.42	22	0
20	QPSK	1	49	21.57	21.56	21.52		
20	QPSK	1	99	21.56	21.58	21.52		
20	QPSK	50	0	21.43	21.77	21.56	22	0
20	QPSK	50	24	21.55	21.55	21.67		
20	QPSK	50	50	21.55	21.51	21.67		
20	QPSK	100	0	21.49	21.61	21.59		
20	16QAM	1	0	21.62	21.69	21.70	22	0
20	16QAM	1	49	21.71	21.72	21.63		
20	16QAM	1	99	21.72	21.63	21.68		
20	16QAM	50	0	21.42	21.47	21.59	22	0
20	16QAM	50	24	21.56	21.55	21.68		
20	16QAM	50	50	21.56	21.57	21.68		
20	16QAM	100	0	21.52	21.52	21.59		
20	64QAM	1	0	21.59	21.61	21.68	22	0
20	64QAM	1	49	21.65	21.58	21.71		
20	64QAM	1	99	21.64	21.64	21.77		
20	64QAM	50	0	20.98	20.96	21.14	21.5	0.5
20	64QAM	50	24	21.03	21.11	21.24		
20	64QAM	50	50	21.10	21.07	21.22		
20	64QAM	100	0	21.13	21.07	21.14		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	21.35	21.40	21.55	22	0
15	QPSK	1	37	21.38	21.38	21.55		
15	QPSK	1	74	21.44	21.41	21.60		
15	QPSK	36	0	21.50	21.42	21.58	22	0
15	QPSK	36	20	21.55	21.53	21.67		
15	QPSK	36	39	21.53	21.52	21.66		
15	QPSK	75	0	21.50	21.51	21.60		
15	16QAM	1	0	21.67	21.72	21.64	22	0
15	16QAM	1	37	21.74	21.71	21.69		
15	16QAM	1	74	21.73	21.72	21.70		
15	16QAM	36	0	21.50	21.45	21.60	22	0
15	16QAM	36	20	21.52	21.51	21.68		
15	16QAM	36	39	21.53	21.53	21.69		
15	16QAM	75	0	21.51	21.52	21.62		
15	64QAM	1	0	21.61	21.66	21.73	22	0
15	64QAM	1	37	21.60	21.66	21.76		
15	64QAM	1	74	21.63	21.63	21.63		
15	64QAM	36	0	21.07	20.97	21.17	21.5	0.5
15	64QAM	36	20	21.12	21.07	21.25		
15	64QAM	36	39	21.04	21.10	21.20		
15	64QAM	75	0	21.10	21.05	21.19		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	21.10	21.15	21.26	22	0
10	QPSK	1	25	21.09	21.06	21.25		
10	QPSK	1	49	21.14	21.17	21.36		
10	QPSK	25	0	21.24	21.21	21.40	22	0
10	QPSK	25	12	21.30	21.32	21.43		
10	QPSK	25	25	21.29	21.31	21.48		
10	QPSK	50	0	21.29	21.30	21.39		
10	16QAM	1	0	21.51	21.47	21.62	22	0
10	16QAM	1	25	21.44	21.46	21.66		
10	16QAM	1	49	21.50	21.54	21.68		
10	16QAM	25	0	21.22	21.22	21.38	22	0
10	16QAM	25	12	21.31	21.33	21.42		
10	16QAM	25	25	21.29	21.32	21.50		
10	16QAM	50	0	21.29	21.30	21.39		
10	64QAM	1	0	21.50	21.50	21.63	22	0
10	64QAM	1	25	21.41	21.51	21.63		
10	64QAM	1	49	21.52	21.51	21.69		
10	64QAM	25	0	20.80	20.78	20.92	21.5	0.5
10	64QAM	25	12	20.86	20.86	20.99		
10	64QAM	25	25	20.87	20.82	21.03		
10	64QAM	50	0	20.79	20.84	20.93		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	21.15	21.11	21.33	22	0
5	QPSK	1	12	21.16	21.23	21.35		
5	QPSK	1	24	21.16	21.23	21.35		
5	QPSK	12	0	21.27	21.24	21.44	22	0
5	QPSK	12	7	21.29	21.30	21.47		
5	QPSK	12	13	21.31	21.31	21.47		
5	QPSK	25	0	21.26	21.28	21.46		
5	16QAM	1	0	21.49	21.45	21.68	22	0
5	16QAM	1	12	21.54	21.46	21.69		
5	16QAM	1	24	21.55	21.57	21.69		
5	16QAM	12	0	21.33	21.29	21.48	22	0
5	16QAM	12	7	21.34	21.34	21.52		
5	16QAM	12	13	21.35	21.36	21.50		
5	16QAM	25	0	21.33	21.28	21.49		
5	64QAM	1	0	21.40	21.34	21.59	22	0
5	64QAM	1	12	21.36	21.42	21.58		
5	64QAM	1	24	21.44	21.47	21.61		
5	64QAM	12	0	20.84	20.80	21.03	21.5	0.5
5	64QAM	12	7	20.80	20.89	20.99		
5	64QAM	12	13	20.86	20.86	21.02		
5	64QAM	25	0	20.87	20.82	21.03		

Band 25

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26140	26340	26590		
Frequency (MHz)				1860	1880	1905		
20	QPSK	1	0	20.03	20.26	20.18	21	0
20	QPSK	1	49	19.96	19.94	20.22		
20	QPSK	1	99	19.89	19.94	20.22		
20	QPSK	50	0	20.12	20.23	20.15	21	0
20	QPSK	50	24	20.17	20.07	20.11		
20	QPSK	50	50	20.08	20.06	20.17		
20	QPSK	100	0	20.14	20.16	20.11		
20	16QAM	1	0	20.14	20.06	20.12	21	0
20	16QAM	1	49	20.08	20.08	20.13		
20	16QAM	1	99	20.00	20.09	20.16		
20	16QAM	50	0	20.08	20.02	20.12	21	0
20	16QAM	50	24	20.16	20.08	20.14		
20	16QAM	50	50	20.10	20.05	20.22		
20	16QAM	100	0	20.14	20.08	20.12		
20	64QAM	1	0	20.09	20.18	20.11	21	0
20	64QAM	1	49	20.14	20.23	20.21		
20	64QAM	1	99	20.10	20.12	20.12		
20	64QAM	50	0	20.09	20.05	20.09	21	0
20	64QAM	50	24	20.17	20.08	20.12		
20	64QAM	50	50	20.08	20.10	20.20		
20	64QAM	100	0	20.14	20.09	20.10		
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1907.5		
15	QPSK	1	0	20.11	20.15	20.16	21	0
15	QPSK	1	37	20.08	20.10	20.24		
15	QPSK	1	74	20.05	20.12	20.13		
15	QPSK	36	0	20.25	20.20	20.07	21	0
15	QPSK	36	20	20.19	20.24	20.16		
15	QPSK	36	39	20.16	20.22	20.16		
15	QPSK	75	0	20.18	20.21	20.14		
15	16QAM	1	0	20.13	20.22	20.15	21	0
15	16QAM	1	37	20.11	20.20	20.14		
15	16QAM	1	74	20.15	20.15	20.16		
15	16QAM	36	0	20.00	19.95	20.09	21	0
15	16QAM	36	20	20.21	20.01	20.16		
15	16QAM	36	39	20.14	19.97	20.13		
15	16QAM	75	0	20.19	20.00	20.10		
15	64QAM	1	0	20.09	20.06	20.19	21	0
15	64QAM	1	37	20.24	20.10	20.16		
15	64QAM	1	74	20.23	20.00	20.11		
15	64QAM	36	0	20.25	20.17	20.13	21	0
15	64QAM	36	20	20.22	20.21	20.21		
15	64QAM	36	39	20.17	20.21	20.13		
15	64QAM	75	0	20.21	20.24	20.10		
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1910		
10	QPSK	1	0	19.79	19.87	20.18	21	0
10	QPSK	1	25	19.88	19.95	20.22		
10	QPSK	1	49	19.80	19.91	20.16		
10	QPSK	25	0	19.96	20.02	20.23	21	0
10	QPSK	25	12	20.02	20.06	20.25		
10	QPSK	25	25	19.98	20.06	20.10		
10	QPSK	50	0	19.99	20.07	20.01		
10	16QAM	1	0	20.19	20.13	20.19	21	0
10	16QAM	1	25	20.23	20.02	20.07		
10	16QAM	1	49	20.17	20.25	20.15		
10	16QAM	25	0	20.00	20.04	19.98	21	0
10	16QAM	25	12	20.04	20.08	20.03		
10	16QAM	25	25	19.97	20.04	20.12		
10	16QAM	50	0	19.99	20.04	19.98		
10	64QAM	1	0	20.04	20.04	20.12	21	0
10	64QAM	1	25	20.13	20.20	20.22		
10	64QAM	1	49	20.04	20.16	20.11		
10	64QAM	25	0	20.01	19.83	19.99	21	0
10	64QAM	25	12	20.07	20.08	20.08		
10	64QAM	25	25	20.01	20.05	20.10		
10	64QAM	50	0	20.01	20.05	20.04		
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1912.5		
5	QPSK	1	0	19.87	19.85	20.20	21	0
5	QPSK	1	12	19.94	19.98	20.21		
5	QPSK	1	24	19.89	19.93	20.23		
5	QPSK	12	0	19.95	20.00	20.11	21	0
5	QPSK	12	7	20.01	20.07	20.08		
5	QPSK	12	13	20.04	20.06	20.09		
5	QPSK	25	0	19.98	20.01	20.09		
5	16QAM	1	0	20.19	20.22	20.10	21	0
5	16QAM	1	12	20.17	20.23	20.05		
5	16QAM	1	24	20.24	20.13	20.10		
5	16QAM	12	0	19.98	20.01	20.06	21	0
5	16QAM	12	7	20.06	20.06	20.11		
5	16QAM	12	13	20.02	20.12	20.13		
5	16QAM	25	0	20.00	20.05	20.12		
5	64QAM	1	0	20.17	20.08	20.20	21	0
5	64QAM	1	12	20.12	20.12	20.23		
5	64QAM	1	24	20.11	20.16	20.19		
5	64QAM	12	0	19.96	19.99	20.04	21	0
5	64QAM	12	7	20.02	20.04	20.12		
5	64QAM	12	13	20.04	20.09	20.11		
5	64QAM	25	0	20.00	20.03	20.10		
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1913.5		
3	QPSK	1	0	19.95	20.00	20.11	21	0
3	QPSK	1	8	20.01	20.07	20.08		
3	QPSK	1	14	20.04	20.06	20.09		
3	QPSK	8	0	19.98	20.01	20.09	21	0
3	QPSK	8	4	20.19	20.22	20.10		
3	QPSK	8	7	20.17	20.23	20.05		
3	QPSK	15	0	20.02	20.04	20.12		
3	16QAM	1	0	20.04	20.09	20.11	21	0
3	16QAM	1	8	20.00	20.03	20.10		
3	16QAM	1	14	20.24	20.13	20.10		
3	16QAM	8	0	19.98	20.01	20.06	21	0
3	16QAM	8	4	20.06	20.06	20.11		
3	16QAM	8	7	20.02	20.12	20.13		
3	16QAM	15	0	20.00	20.05	20.12		
3	64QAM	1	0	19.98	20.01	20.09	21	0
3	64QAM	1	8	20.19	20.22	20.10		
3	64QAM	1	14	20.17	20.23	20.05		
3	64QAM	8	0	20.24	20.13	20.10	21	0
3	64QAM	8	4	19.98	20.01	20.06		
3	64QAM	8	7	20.06	20.06	20.11		
3	64QAM	15	0	20.17	20.23	20.05		
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1914.3		
1.4	QPSK	1	0	19.97	20.04	20.12	21	0
1.4	QPSK	1	3	19.99	20.04	19.98		
1.4	QPSK	1	5	20.04	20.04	20.12		
1.4	QPSK	3	0	20.13	20.20	20.22		
1.4	QPSK	3	1	20.04	20.16	20.11		
1.4	QPSK	3	3	20.01	19.83	19.99		
1.4	QPSK	6	0	20.07	20.08	20.08	21	0
1.4	16QAM	1	0	19.96	20.02	20.23	21	0
1.4	16QAM	1	3	20.02	20.06	20.25		
1.4	16QAM	1	5	19.98	20.06	20.10		
1.4	16QAM	3	0	19.99	20.07	20.01		
1.4	16QAM	3	1	20.15	20.13	20.11		
1.4	16QAM	3	3	20.23	20.02	20.22		
1.4	16QAM	6	0	20.17	20.06	20.11	21	0
1.4	64QAM	1	0	20.04	20.04	19.99	21	0
1.4	64QAM	1	3	20.13	20.20	20.22		
1.4	64QAM	1	5	20.04	20.16	20.11		
1.4	64QAM	3	0	20.01	19.83	19.99		
1.4	64QAM	3	1	20.07	20.08	20.08		
1.4	64QAM	3	3	20.19	20.22	20.10		
1.4	64QAM	6	0	20.17	20.23	20.05	21	0

Band 66

BW [MHz]	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	21.50	21.65	21.39	22	0
20	QPSK	1	49	21.29	21.41	21.31		
20	QPSK	1	99	21.22	21.24	21.20		
20	QPSK	50	0	21.29	21.45	21.33	22	0
20	QPSK	50	24	21.40	21.35	21.33		
20	QPSK	50	50	21.28	21.39	21.31		
20	QPSK	100	0	21.32	21.45	21.36		
20	16QAM	1	0	21.50	21.51	21.58	22	0
20	16QAM	1	49	21.40	21.58	21.51		
20	16QAM	1	99	21.55	21.49	21.43		
20	16QAM	50	0	21.41	21.41	21.36	22	0
20	16QAM	50	24	21.47	21.49	21.47		
20	16QAM	50	50	21.43	21.48	21.32		
20	16QAM	100	0	21.44	21.39	21.29		
20	64QAM	1	0	21.44	21.55	21.56	22	0
20	64QAM	1	49	21.36	21.42	21.25		
20	64QAM	1	99	21.52	21.40	21.20		
20	64QAM	50	0	20.94	20.90	20.85	22	0
20	64QAM	50	24	20.89	20.92	20.89		
20	64QAM	50	50	20.82	20.88	20.78		
20	64QAM	100	0	20.91	20.84	20.73		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	21.35	21.28	21.24	22	0
15	QPSK	1	37	21.13	21.22	21.06		
15	QPSK	1	74	21.26	21.33	21.04		
15	QPSK	36	0	21.29	21.37	21.39	22	0
15	QPSK	36	20	21.31	21.35	21.27		
15	QPSK	36	39	21.38	21.43	21.33		
15	QPSK	75	0	21.33	21.45	21.35		
15	16QAM	1	0	21.58	21.50	21.59	22	0
15	16QAM	1	37	21.43	21.52	21.49		
15	16QAM	1	74	21.52	21.44	21.37		
15	16QAM	36	0	21.32	21.43	21.36	22	0
15	16QAM	36	20	21.41	21.41	21.27		
15	16QAM	36	39	21.32	21.47	21.27		
15	16QAM	75	0	21.34	21.40	21.29		
15	64QAM	1	0	21.43	21.56	21.42	22	0
15	64QAM	1	37	21.40	21.44	21.41		
15	64QAM	1	74	21.40	21.52	21.29		
15	64QAM	36	0	20.87	20.90	20.89	22	0
15	64QAM	36	20	20.93	20.93	20.73		
15	64QAM	36	39	20.85	20.92	20.76		
15	64QAM	75	0	20.90	20.83	20.73		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	21.19	21.10	20.93	22	0
10	QPSK	1	25	21.13	21.38	20.95		
10	QPSK	1	49	20.95	21.08	20.90		
10	QPSK	25	0	21.19	21.22	21.03	22	0
10	QPSK	25	12	21.17	21.19	21.11		
10	QPSK	25	25	21.15	21.26	21.02		
10	QPSK	50	0	21.24	21.24	21.14		
10	16QAM	1	0	21.43	21.39	21.38	22	0
10	16QAM	1	25	21.50	21.44	21.33		
10	16QAM	1	49	21.40	21.53	21.33		
10	16QAM	25	0	21.14	21.18	21.05	22	0
10	16QAM	25	12	21.22	21.18	21.15		
10	16QAM	25	25	21.19	21.26	21.04		
10	16QAM	50	0	21.26	21.25	21.18		
10	64QAM	1	0	21.46	21.24	21.34	22	0
10	64QAM	1	25	21.40	21.40	21.23		
10	64QAM	1	49	21.28	21.26	21.24		
10	64QAM	25	0	20.70	20.74	20.67	22	0
10	64QAM	25	12	20.75	20.71	20.54		
10	64QAM	25	25	20.73	20.82	20.63		
10	64QAM	50	0	20.72	20.74	20.57		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	21.19	21.10	20.93	22	0
5	QPSK	1	12	21.13	21.38	20.95		
5	QPSK	1	24	20.95	21.08	20.90		
5	QPSK	12	0	21.19	21.22	21.03	22	0
5	QPSK	12	7	21.17	21.19	21.11		
5	QPSK	12	13	21.15	21.26	21.02		
5	QPSK	25	0	21.24	21.24	21.14		
5	16QAM	1	0	21.43	21.39	21.38	22	0
5	16QAM	1	12	21.50	21.44	21.33		
5	16QAM	1	24	21.40	21.53	21.33		
5	16QAM	12	0	21.32	21.25	21.09	22	0
5	16QAM	12	7	21.29	21.29	21.14		
5	16QAM	12	13	21.27	21.29	21.16		
5	16QAM	25	0	21.27	21.23	21.05		
5	64QAM	1	0	21.50	21.45	21.27	22	0
5	64QAM	1	12	21.41	21.35	21.24		
5	64QAM	1	24	21.36	21.42	21.18		
5	64QAM	12	0	20.80	20.79	20.58	22	0
5	64QAM	12	7	20.79	20.83	20.66		
5	64QAM	12	13	20.71	20.77	20.55		
5	64QAM	25	0	20.77	20.73	20.53		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	21.16	21.13	20.93	22	0
3	QPSK	1	8	21.21	21.17	20.94		
3	QPSK	1	14	21.11	21.08	20.99		
3	QPSK	8	0	21.18	21.24	21.06	22	0
3	QPSK	8	4	21.27	21.23	21.14		
3	QPSK	8	7	21.15	21.21	21.12		
3	QPSK	15	0	21.16	21.20	21.04		
3	16QAM	1	0	21.38	21.41	21.33	22	0
3	16QAM	1	8	21.43	21.48	21.32		
3	16QAM	1	14	21.41	21.55	21.31		
3	16QAM	8	0	21.24	21.30	21.15	22	0
3	16QAM	8	4	21.39	21.27	21.13		
3	16QAM	8	7	21.28	21.31	21.19		
3	16QAM	15	0	21.25	21.22	21.12		
3	64QAM	1	0	21.34	21.38	21.14	22	0
3	64QAM	1	8	21.48	21.39	21.33		
3	64QAM	1	14	21.39	21.38	21.20		
3	64QAM	8	0	20.78	20.74	20.57	22	0
3	64QAM	8	4	20.83	20.75	20.60		
3	64QAM	8	7	20.76	20.76	20.59		
3	64QAM	15	0	20.74	20.64	20.49		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	21.07	21.09	20.84	22	0
1.4	QPSK	1	3	21.11	21.08	20.98		
1.4	QPSK	1	5	21.07	21.07	20.86		
1.4	QPSK	3	0	21.11	21.21	20.92		
1.4	QPSK	3	1	21.14	21.21	21.00		
1.4	QPSK	3	3	21.07	21.12	20.86		
1.4	QPSK	6	0	21.16	21.18	21.01	22	0
1.4	16QAM	1	0	21.40	21.42	21.19	22	0
1.4	16QAM	1	3	21.44	21.48	21.25		
1.4	16QAM	1	5	21.31	21.51	21.13		
1.4	16QAM	3	0	21.13	21.13	21.11		
1.4	16QAM	3	1	21.21	21.34	21.08		
1.4	16QAM	3	3	21.12	21.13	21.01		
1.4	16QAM	6	0	21.26	21.37	21.12	22	0
1.4	64QAM	1	0	21.21	21.35	21.17	22	0
1.4	64QAM	1	3	21.42	21.40	21.19		
1.4	64QAM	1	5	21.33	21.32	21.11		
1.4	64QAM	3	0	21.31	21.28	21.09		
1.4	64QAM	3	1	21.30	21.33	21.08		
1.4	64QAM	3	3	21.24	21.37	21.08		
1.4	64QAM	6	0	20.70	20.64	20.44	21.5	0.5

CA_41C UP Link power

Full Power

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
40620	40818	QPSK	1	0	0	0	23.42	24
39750	39552	QPSK	1	0	0	0	23.41	24
40185	39987	QPSK	1	0	0	0	23.43	24
41055	40857	QPSK	1	0	0	0	23.44	24
41490	41292	QPSK	1	0	0	0	23.39	24

Sensor

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
40620	40818	QPSK	1	0	0	0	18.68	20
39750	39552	QPSK	1	0	0	0	18.61	20
40185	39987	QPSK	1	0	0	0	18.72	20
41055	41253	QPSK	1	0	0	0	18.65	20
41490	41292	QPSK	1	0	0	0	18.62	20

Hotspot

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
40620	40818	QPSK	1	0	0	0	14.1	15
39750	39552	QPSK	1	0	0	0	14.06	15
40185	39987	QPSK	1	0	0	0	13.93	15
41055	41253	QPSK	1	0	0	0	14.09	15
41490	41292	QPSK	1	0	0	0	14.11	15

<EN-DC>

Full Power

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
40620	40818	QPSK	1	0	0	0	23.42	24
39750	39552	QPSK	1	0	0	0	23.41	24
40185	39987	QPSK	1	0	0	0	23.43	24
41055	40857	QPSK	1	0	0	0	23.44	24
41490	41292	QPSK	1	0	0	0	23.39	24

Sensor

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
40620	40818	QPSK	1	0	0	0	17.11	18
39750	39552	QPSK	1	0	0	0	17.04	18
40185	39987	QPSK	1	0	0	0	17	18
41055	41253	QPSK	1	0	0	0	17.14	18
41490	41292	QPSK	1	0	0	0	17.08	18

Hotspot

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
40620	40818	QPSK	1	0	0	0	12.13	13
39750	39552	QPSK	1	0	0	0	12.01	13
40185	39987	QPSK	1	0	0	0	12.11	13
41055	41253	QPSK	1	0	0	0	12.04	13
41490	41292	QPSK	1	0	0	0	12.07	13

Handheld

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
40620	40818	QPSK	1	0	0	0	20.24	21
39750	39552	QPSK	1	0	0	0	20.19	21
40185	39987	QPSK	1	0	0	0	20.14	21
41055	41253	QPSK	1	0	0	0	20.21	21
41490	41292	QPSK	1	0	0	0	20.2	21

Full Power Mode
2CA DL

Configure	CA List	PCC								SCC					Power	
		LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	DL Antenna Configuration	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Antenna Configuration	DL Channel	With CA Tx. Power (dBm)	Without CA Tx. Power (dBm)
Inter-Band	CA_2A-4A	Band 2	20M	1880	18900	QPSK	1		0	Band 4	20M	2132.5		2175	22.83	22.90
		Band 4	20M	1732.5	20175	QPSK	1		0	Band 2	20M	1960		900	22.96	22.97
	CA_2A-5A	Band 2	20M	1880	18900	QPSK	1		0	Band 5	10M	881.5		2525	22.86	22.90
		Band 5	10M	836.5	20525	QPSK	1		0	Band 2	20M	1960		900	22.76	22.81
	CA_2A-12A	Band 2	20M	1880	18900	QPSK	1		0	Band 12	10M	737.5		5095	22.88	22.90
		Band 12	10M	707.5	23095	QPSK	1		0	Band 2	20M	1960		900	22.77	22.86
	CA_2A-66A	Band 2	20M	1880	18900	QPSK	1		0	Band 66	20M	2155		66886	22.96	22.90
		Band 66	20M	1745	132322	QPSK	1		0	Band 2	20M	1960		900	22.83	22.98
	CA_2A-71A	Band 2	20M	1880	18900	QPSK	1		0	Band 71	20M	637		68786	22.94	22.90
		Band 71	20M	683	133322	QPSK	1		0	Band 2	20M	1960		900	22.94	23.22
	CA_4A-5A	Band 4	20M	1732.5	20175	QPSK	1		0	Band 5	10M	881.5		2525	23.06	22.97
		Band 5	10M	836.5	20525	QPSK	1		0	Band 4	20M	2132.5		2175	22.87	22.81
	CA_4A-12A	Band 4	20M	1732.5	20175	QPSK	1		0	Band 12	10M	737.5		5095	23.08	22.97
		Band 12	10M	707.5	23095	QPSK	1		0	Band 4	20M	2132.5		2175	22.80	22.86
	CA_4A-71A	Band 4	20M	1732.5	20175	QPSK	1		0	Band 71	20M	637		68786	23.10	22.97
		Band 71	20M	683	133322	QPSK	1		0	Band 4	20M	2132.5		2175	22.91	23.22
	CA_5A-41A	Band 5	10M	836.5	20525	QPSK	1		0	Band 41	20M	2593		40620	22.75	22.81
		Band 41	20M	2593	40620	QPSK	1		0	Band 5	10M	881.5		2525	23.43	23.98
	CA_5A-41A	Band 5	10M	836.5	20525	QPSK	1		0	Band 41	20M	2593	4x4MIMO	40620	22.71	22.81
		Band 41	20M	2593	40620	QPSK	1	4x4MIMO	0	Band 5	10M	881.5		2525	23.76	23.98
	CA_12A-66A	Band 12	10M	707.5	23095	QPSK	1		0	Band 66	20M	2155		66886	22.75	22.86
		Band 66	20M	1745	132322	QPSK	1		0	Band 12	10M	737.5		5095	22.90	22.98
	CA_25A-26A	Band 25	20M	1880	26340	QPSK	1		0	Band 26	15M	876.5		8865	22.91	22.92
		Band 26	15M	831.5	26865	QPSK	1		0	Band 25	20M	1962.5		8365	22.97	22.94
	CA_25A-41A	Band 25	20M	1880	26340	QPSK	1		0	Band 41	20M	2593		40620	22.87	22.92
		Band 41	20M	2593	40620	QPSK	1		0	Band 25	20M	1962.5		8365	23.09	23.98
	CA_26A-41A	Band 26	15M	831.5	26865	QPSK	1		0	Band 41	20M	2593		40620	23.05	22.94
		Band 41	20M	2593	40620	QPSK	1		0	Band 26	15M	876.5		8865	23.41	23.98
	CA_66A-71A	Band 66	20M	1745	132322	QPSK	1		0	Band 71	20M	637		68786	22.86	22.98
		Band 71	20M	683	133322	QPSK	1		0	Band 66	20M	2145		66786	22.91	23.22
Intra-Band	CA_2C	Band 2	20M	1880	18900	QPSK	1		0	Band 2	20M	1979.8		1098	22.94	22.90
	CA_12B	Band 12	5M	701.5	23035	QPSK	1		0	Band 12	10M	741.2		5107	22.23	22.86
	CA_41C	Band 41	20M	2593	40620	QPSK	1		0	Band 41	20M	2612.8		40818	23.32	23.98
	CA_66B	Band 66	15M	1745	132322	QPSK	1		0	Band 66	5M	2164.3		66979	22.84	22.65
	CA_66C	Band 66	20M	1745	132322	QPSK	1		0	Band 66	20M	2174.8		67084	22.90	22.98
	CA_2A-2A	Band 2	20M	1880	18900	QPSK	1		0	Band 2	5M	1987.5		1175	22.96	22.90
	CA_4A-4A	Band 4	20M	1732.5	20175	QPSK	1		0	Band 4	5M	2152.5		2375	23.14	22.97
	CA_25A-25A	Band 25	20M	1880	26340	QPSK	1		0	Band 25	5M	1992.5		8665	22.98	22.92
	CA_41A-41A	Band 41	20M	2593	40620	QPSK	1		0	Band 41	5M	2687.5		41565	23.43	23.98
	CA_66A-66A	Band 66	20M	1745	132322	QPSK	1		0	Band 66	5M	2197.5		67311	23.02	22.98

3CA DL

<Inter-Band for Three Carrier Combination> (three bands)

Configure		PCC								SCC1					SCC2					Power	
		LTE Band	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)
Inter-Band	CA_2A-4A-5A	Band 2	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175		Band 5	10M	881.5	2525		22.92	22.9
		Band 4	20M	1732.5	20175	QPSK	1	0		Band 5	10M	881.5	2525		Band 2	20M	1960	900		22.85	22.97
		Band 5	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900		Band 4	20M	2132.5	2175		22.57	22.81
	CA_2A4-4A4-5A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525		22.92	22.9
		Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 2	20M	1960	900	4x4MIMO	22.88	22.97
		Band 5	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.57	22.81
	CA_2A-4A-12A	Band 2	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175		Band 12	10M	737.5	5095		22.94	22.9
		Band 4	20M	1732.5	20175	QPSK	1	0		Band 12	10M	737.5	5095		Band 2	20M	1960	900		22.81	22.97
		Band 12	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900		Band 4	20M	2132.5	2175		22.63	22.86
	CA_2A4-4A4-12A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 12	10M	737.5	5095		22.94	22.9
		Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 2	20M	1960	900	4x4MIMO	22.89	22.97
		Band 12	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.63	22.86
	CA_2A-4A-71A	Band 2	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175		Band 71	20M	637	68786		23.03	22.9
		Band 4	20M	1732.5	20175	QPSK	1	0		Band 71	20M	637	68786		Band 2	20M	1960	900		22.42	22.97
		Band 71	20M	683	133322	QPSK	1	0		Band 2	20M	1960	900		Band 4	20M	2132.5	2175		22.7	23.22
	CA_2A4-4A-71A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 71	20M	637	68786		23.03	22.9
		Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 71	20M	637	68786		Band 2	20M	1960	900	4x4MIMO	22.85	22.97
		Band 71	20M	683	133322	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.7	23.22
	CA_2A-12A-66A	Band 2	20M	1880	18900	QPSK	1	0		Band 12	10M	737.5	5095		Band 66	20M	2155	66886		23.05	22.9
		Band 12	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886		Band 2	20M	1960	900		22.63	22.86
		Band 66	20M	1745	132322	QPSK	1	0		Band 2	20M	1960	900		Band 12	10M	737.5	5095		23.13	22.98

<Inter-Band for Three Carrier C

3CA DL

Configure		PCC								SCC1					SCC2					Power	
		LTE Band	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)
Inter-Band	CA_2A-2A-4A4	Band 2	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		Band 4	20M	2132.5	2175		22.91	22.9
		Band 4	20M	1732.5	20175	QPSK	1	0		Band 2	20M	1960	900		Band 2	5M	1987.5	1175		23.13	22.97
	CA_2A4-2A4-4A4	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.85	22.9
		Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.11	22.97
	CA_2A-4A-4A	Band 2	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175		Band 4	5M	2152.5	2375		22.98	22.9
		Band 4	20M	1732.5	20175	QPSK	1	0		Band 4	5M	2152.5	2375		Band 2	20M	1960	900		23.16	22.97
	CA_2A4-4A4-4A4	Band 2	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175		Band 4	5M	2152.5	2375		22.98	22.9
		Band 4	20M	1732.5	20175	QPSK	1	0		Band 4	5M	2152.5	2375		Band 2	20M	1960	900		23.16	22.97
	CA_2A-2A-5A	Band 2	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		Band 5	10M	881.5	2525		23.03	22.9
		Band 5	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900		Band 2	5M	1987.5	1175		22.58	22.81
	CA_2A4-2A4-5A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525		23.03	22.9
		Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.58	22.81
	CA_2A-2A-12A	Band 2	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		Band 12	10M	737.5	5095		23.05	22.9
		Band 12	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900		Band 2	5M	1987.5	1175		22.57	22.86
	CA_2A-66A-71A	Band 2	20M	1880	18900	QPSK	1	0		Band 66	20M	2155	66886		Band 71	20M	637	68786		22.96	22.9
		Band 71	20M	683	133322	QPSK	1	0		Band 66	20M	2155	66886		Band 2	5M	1987.5	1175		22.73	23.22
	CA_2A-12B	Band 2	20M	1880	18900	QPSK	1	0		Band 12	5M	737.5	5095		Band 12	10M	744.7	5167		22.94	22.9
		Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 2	20M	1960	900		22.66	22.47
	CA_2A4-12B	Band 2	20M	1880	18900	QPSK	1	0		Band 12	5M	737.5	5095		Band 12	10M	744.7	5167		22.94	22.9
		Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 2	20M	1960	900		22.66	22.47
	CA_2C-12A	Band 2	20M	1880	18900	QPSK	1	0		Band 2	20M	1979.8	1098		Band 12	10M	737.5	5095		22.98	22.9
		Band 12	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900		Band 2	20M	1979.8	1098		22.63	22.86
	CA_2C4-12A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	Band 12	10M	737.5	5095		22.98	22.9
		Band 12	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	22.63	22.86
	CA_2C-66A	Band 2	20M	1880	18900	QPSK	1	0		Band 2	20M	1979.8	1098		Band 66	20M	2155	66886		22.94	22.9
		Band 66	20M	1745	132322	QPSK	1	0		Band 2	20M	1960	900		Band 2	20M	1979.8	1098		23.09	22.98
	CA_2A-66B	Band 2	20M	1880	18900	QPSK	1	0		Band 66	15M	2155	66886		Band 66	5M	2164.3	2248		23.01	22.9
		Band 66	15M	1745	132322	QPSK	1	0		Band 66	5M	2164.3	66979		Band 2	20M	1960	900		22.85	22.65
	CA_2A-66C	Band 2	20M	1880	18900	QPSK	1	0		Band 66	20M	2155	66886		Band 66	20M	2174.8	2353		22.97	22.9
		Band 66	20M	1745	132322	QPSK	1	0		Band 66	20M	2174.8	67084		Band 2	20M	1960	900		23.06	22.98
	CA_2A-2A-66A	Band 2	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		Band 66	20M	2155	66886		22.95	22.9
		Band 66	20M	1745	132322	QPSK	1	0		Band 2	20M	1960	900		Band 2	5M	1987.5	1175		23.11	22.98
	CA_2A-2A-71A	Band 2	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		Band 71	20M	637	68786		22.98	22.9
		Band 71	20M	683	133322	QPSK	1	0		Band 2	20M	1960	900		Band 2	5M	1987.5	1175		22.73	23.22
	CA_2A4-2A4-71A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 71	20M	637	68786		22.98	22.9
		Band 71	20M	683	133322	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.73	23.22
	CA_2A-66A-66A	Band 2	20M	1880	18900	QPSK	1	0		Band 66	20M	2155	66886		Band 66	5M	2197.5	67311		22.84	22.9
		Band 66	20M	1745	132322	QPSK	1	0		Band 66	5M	2197.5	67311		Band 2	20M	1960	900		23.08	22.98
	CA_4A-4A-5A	Band 4	20M	1732.5	20175	QPSK	1	0		Band 4	5M	2152.5	2375		Band 5	10M	881.5	2525		23.08	22.97
		Band 5	10M	836.5	20525	QPSK	1	0		Band 4	20M	2132.5	2175		Band 4	5M	2152.5	2375		22.53	22.81
	CA_4A4-4A4-5A	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 5	10M	881.5	2525		23.08	22.97
		Band 5	10M	836.5	20525	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	22.53	22.81
	CA_4A-4A-71A	Band 4	20M	1732.5	20175	QPSK	1	0		Band 4	5M	2152.5	2375		Band 71	20M	637	68786		23.03	22.97
		Band 71	20M	683	133322	QPSK	1	0		Band 4	20M	2132.5	2175		Band 4	5M	2152.5	2375		22.71	23.22
	CA_4A4-4A4-71A	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 71	20M	637	68786		23.03	22.97
		Band 71	20M	683	133322	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	22.71	23.22
	CA_4A-4A-12A	Band 4	20M	1732.5	20175	QPSK	1	0		Band 4	5M	2152.5	2375		Band 12	10M	737.5	5095		23.04	22.97
		Band 12	10M	707.5	23095	QPSK	1	0		Band 4	20M	2132.5	2175		Band 4	5M	2152.5	2375		22.59	22.86
	CA_4A4-4A4-12A	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 12	10M	737.5	5095		23.04	22.97
		Band 12	10M	707.5	23095	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	22.59	22.86
	CA_25A-25A-26A	Band 25	20M	1880	26340	QPSK	1	0		Band 25	5M	1960	8340		Band 26	10M	876.5	8865		23.05	22.92
		Band 26	10M	831.5	26865	QPSK	1	0		Band 25	20M	1960	8340		Band 25	5M	1960	8340		22.61	22.5
	CA_25A4-25A4-26A	Band 25	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 25	5M	1960	8340	4x4MIMO	Band 26	10M	876.5	8865		23.05	22.92
		Band 26	10M	831.5	26865	QPSK	1	0		Band 25	20M	1960	8340	4x4MIMO	Band 25	5M	1960	8340	4x4MIMO	22.61	22.5
	CA_4A-12B	Band 4	20M	1732.5	20175	QPSK	1	0		Band 12	5M	737.5	5095		Band 12	10M	744.7	5167		23.11	22.97
		Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 4	20M	2132.5	2175		22.63	22.86
	CA_4A4-12B	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 12	5M	737.5	5095		Band 12	10M	744.7	5167		23.11	22.97
		Band 12	5M	707.5	23095	QPSK	1	0	4x4MIMO	Band 12	10M	744.7	5167		Band 4	20M	2132.5	2175		22.63	22.86
	CA_5A-12B	Band 5	10M	836.5	20525	QPSK	1	0		Band 12	5M	737.5	5095		Band 12	10M	744.7	809.5		22.55	22.81
		Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 5	10M	881.5	2525		22.66	22.86
	CA_12A-66A-66A	Band 12	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886		Band 66	5M	2197.5	67311		22.61	22.86
		Band 66	20M	1745	132322	QPSK	1	0		Band 66	5M	2197.5	67311		Band 12	10M	737.5	5095		23.13	22.98
	CA_66A4-66A4-71A	Band 12	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.61	22.86
		Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 12	10M	737.5	5095		23.13	22.98
	CA_12A-66C	Band 12	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886		Band 66	20M	2174.8	2353		22.64	22.86
		Band 66	20M	1745	132322	QPSK	1	0		Band 66	20M	2174.8	67084		Band 12	10M	737.5	5095		23.15	22.98
	CA_25A-41C	Band 25	20M	1880	26340	QPSK	1	0		Band 41	20M	2593	40620		Band 41	20M	2612.8	2791		22.99	22.92
		Band 41	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	40818		Band 25	20M	1960	8340		23.01	23.98
	CA_26A-41C	Band 26	15M	831.5	26865	QPSK	1	0		Band 41	20M	2593	40620		Band 41	20M	2612.8	2791		22.81	22.94
		Band 41	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	40818		Band 26	15M	876.5	8865		23.3	23.98
	CA_26A-41C4	Band 26	15M	831.5	26865	QPSK	1	0		Band 41	20M	2593	40620	4x4MIMO	Band 41	20M	2612.8	2791	4x4MIMO	22.99	22.94
		Band 41	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 26	15M	876.5	8865		23.01	23.98
	CA_12B-66A	Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 66	20M	2155	66886		22.58	22.86
		Band 66	20M	1745	132322	QPSK	1	0		Band 12	5M	737.5	5095		Band 12	10M	744.7	809.5		23.1	22.98
Intra-Band	CA_41D	Band 41	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	40818		Band 41	20M	2632.6	2810.8		23.11	23.98
	CA_66A4-66B4	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	2248	4x4MIMO	23.01	22.98
		Band 66	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	22.51	22.65
	CA_66A4-66C4	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	2248	4x4MIMO	23.01	22.98
		Band 66	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	22.52	22.65
	CA_66A-66B	Band 66	20M	1745	132322	QPSK	1	0		Band 66	15M	2155	66886		Band 66	5M	2164.3	2248		22.91	22.98
		Band 66	15M	1745	132322	QPSK	1	0		Band 66	5M	2164.3	66979		Band 66	20M	2155	66886		22.43	22.65
	CA_66A-66C	Band 66	20M	1745	132322	QPSK	1	0		Band 66	15M	2155	66886		Band 66	5M	2164.3	2248		22.98	22.98
		Band 66	15M	1745	132322	QPSK	1	0		Band 66	5M	2164.3	66979		Band 66	20M	2155	66886		22.51	22.65
	CA_41A-41C	Band 41	20M	2593	40620	QPSK	1	0		Band 41	5M	2687.5	41565		Band 41	20M	2699.2	2804.5		22.98	23.98
		Band 41	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	40818		Band 41	5M	2498.5	39675		23.21	23.98

4CA DL

<Inter-Band for Three Carrier Combination> (three bands)

Configure		PCC								SCC1					SCC2					SCC3					Power	
		LTE	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
		Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Tx. Power (dBm)	Tx. Power (dBm)
Inter-Band	CA_2A-4A-12B	Band 2	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175		Band 12	5M	737.5	5095		Band 12	10M	2132.5	2525		22.89	22.9
		Band 4	20M	1732.5	20175	QPSK	1	0		Band 2	20M	1960	900		Band 12	5M	737.5	5095		Band 12	10M	2132.5	2525		23.1	22.97
		Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 4	20M	2132.5	2175		Band 2	20M	1960	900		22.64	22.47
	CA_2A-4A-12B	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 12	5M	737.5	5095		Band 12	10M	2132.5	2525		22.89	22.9
		Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 12	5M	737.5	5095		Band 12	10M	2132.5	2525		23.1	22.97
		Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 4	20M	2132.5	2175	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.64	22.47
	CA_2A-12A-66C	Band 2	20M	1880	18900	QPSK	1	0		Band 12	10M	737.5	5095		Band 66	20M	2155	66886		Band 66	20M	757.3	5293		22.23	22.9
		Band 12	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900		Band 66	20M	2155	66886		Band 66	20M	1979.8	1098		22.88	22.86
		Band 66	20M	1745	132322	QPSK	1	0		Band 66	20M	2174.8	67084		Band 2	20M	1960	900		Band 12	10M	737.5	5095		22.8	22.98
	CA_2A-12A-66C	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	757.3	5293	4x4MIMO	22.23	22.9
		Band 12	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 66	20M	2155	66886		Band 66	20M	1979.8	1098	4x4MIMO	22.88	22.86
		Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 12	10M	737.5	5095		22.8	22.98
	CA_2A--66C-71A	Band 2	20M	1880	18900	QPSK	1	0		Band 71	20M	637	68786		Band 66	20M	2155	66886		Band 66	20M	656.8	68984		23.1	22.9
		Band 71	20M	683	133322	QPSK	1	0		Band 2	20M	1960	900		Band 66	20M	2155	66886		Band 66	20M	1979.8	1098		23.06	23.22
		Band 66	20M	1745	132322	QPSK	1	0		Band 66	20M	2174.8	67084		Band 2	20M	1960	900		Band 71	20M	637	68786		22.87	22.98
	CA_2A--66C-71A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 71	20M	637	68786		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	656.8	68984	4x4MIMO	23.1	22.9
		Band 71	20M	683	133322	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	1979.8	1098	4x4MIMO	23.06	23.22
		Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 71	20M	637	68786		22.87	22.98

<Inter-Band for Three Carrier Combination> (two bands)

Configure		PCC								SCC1					SCC2					SCC3					Power	
		LTE	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
		Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Tx. Power (dBm)	Tx. Power (dBm)
Intra-Band	CA_2A-2A-12B	Band 2	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		Band 12	5M	737.5	5095		Band 12	10M	2132.5	2175		23.11	22.9
		Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 2	20M	1960	900		Band 2	5M	1987.5	1175		22.64	22.47
	CA_2A-2A-12B	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 12	5M	737.5	5095		Band 12	10M	2132.5	2175		23.11	22.9
		Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.64	22.47
	CA_2C-66A-66A	Band 2	20M	1880	18900	QPSK	1	0		Band 2	20M	1979.8	1098		Band 66	20M	2155	66886		Band 66	5M	2197.5	67311		22.91	22.9
		Band 66	20M	1745	132322	QPSK	1	0		Band 66	5M	2197.5	67311		Band 2	20M	1960	900		Band 2	20M	1979.8	1098		22.23	22.98
	CA_2C-66A-66A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.91	22.9
		Band 66	20M	1745	132322	QPSK	1	0		Band 66	5M	2197.5	67311	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	22.23	22.98
	CA_2A-2A--66B	Band 2	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		Band 66	15M	2155	66886		Band 66	5M	1996.8	1268		22.96	22.9
		Band 66	15M	1745	132322	QPSK	1	0		Band 66	5M	2164.3	66979		Band 2	20M	1960	900		Band 2	5M	1987.5	1175		22.85	22.65
	CA_2A-2A--66B	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	1996.8	1268	4x4MIMO	22.96	22.9
		Band 66	15M	1745	132322	QPSK	1	0		Band 66	5M	2164.3	66979	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.85	22.65
	CA_2A-2A--66C	Band 2	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		Band 66	20M	2155	66886		Band 66	20M	2007.3	1373		22.94	22.9
		Band 66	20M	1745	132322	QPSK	1	0		Band 66	20M	2174.8	67084		Band 2	20M	1960	900		Band 2	5M	1987.5	1175		22.86	22.98
	CA_2A-2A--66C	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2007.3	1373	4x4MIMO	22.94	22.9
		Band 66	20M	1745	132322	QPSK	1	0		Band 66	20M	2174.8	67084	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.86	22.98
	CA_12B-66A-66A	Band 66	20M	1745	132322	QPSK	1	0		Band 66	5M	2197.5	67311		Band 12	5M	737.5	5095		Band 12	10M	2132.5	2175		23.21	22.98
		Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 66	5M	2197.5	67311		Band 66	5M	2197.5	67311		22.64	22.47
	CA_12B-66A-66A	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 12	5M	737.5	5095		Band 12	10M	2132.5	2175		23.21	22.98
		Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 66	5M	2197.5	67311	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.64	22.47
	CA_25A-41D	Band 25	20M	1880	26340	QPSK	1	0		Band 41	20M	2593	40620		Band 41	20M	2612.8	40818		Band 41	20M	2632.6	41016		22.75	22.92
		Band 41	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	2791		Band 41	20M	2632.6	2989		Band 25	20M	1960	8340		22.8	23.98
	CA_25A-41D	Band 25	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	22.75	22.92
		Band 41	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	2791	4x4MIMO	Band 41	20M	2632.6	2989	4x4MIMO	Band 25	20M	1960	8340	4x4MIMO	22.8	23.98
	CA_41E	Band 41	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	2791		Band 41	20M	2632.6	2989		Band 41	20M	2652.4	3187		23.32	23.98
	CA_41E	Band 41	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	2791	4x4MIMO	Band 41	20M	2632.6	2989	4x4MIMO	Band 41	20M	2652.4	3187	4x4MIMO	23.32	23.98
	CA_41C-41C	Band 41	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	2791		Band 41	5M	2498.5	39675		Band 41	20M	2624.5	2908		22.96	23.98
	CA_41C-41C	Band 41	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	2791	4x4MIMO	Band 41	5M	2498.5	39675	4x4MIMO	Band 41	20M	2624.5	2908	4x4MIMO	22.96	23.98
	CA_41E	Band 41	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	2791		Band 41	20M	2632.6	2989		Band 41	20M	2652.4	3187		23.32	23.98
	CA_41E	Band 41	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	2791	4x4MIMO	Band 41	20M	2632.6	2989	4x4MIMO	Band 41	20M	2652.4	3187	4x4MIMO	23.32	23.98
	CA_41A-41D	Band 41	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	2791		Band 41	20M	2632.6	2989		Band 41	5M	2498.5	39675		23.14	23.98
		Band 41	20M	2593	40620	QPSK	1	0		Band 41	5M	2498.5	39675		Band 41	20M	2518.3	39873		Band 41	20M	2538.1	40071		22.98	23.98
	CA_41A-41D	Band 41	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	2791	4x4MIMO	Band 41	20M	2632.6	2989	4x4MIMO	Band 41	5M	2498.5	39675	4x4MIMO	23.14	23.98
		Band 41	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2498.5	39675	4x4MIMO	Band 41	20M	2518.3	39873	4x4MIMO	Band 41	20M	2538.1	40071	4x4MIMO	22.98	23.98

Reduced Power Mode for Sensor On
2CA DL

Configure	CA List	PCC								SCC					Power	
		LTE Band	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)
Inter-Band	CA_2A-4A	Band 2	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175		17.25	17.14
		Band 4	20M	1732.5	20175	QPSK	1	0		Band 2	20M	1960	900		18.14	18.17
	CA_2A-5A	Band 2	20M	1880	18900	QPSK	1	0		Band 5	10M	881.5	2525		17.13	17.14
		Band 5	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900		22.32	22.40
	CA_2A-12A	Band 2	20M	1880	18900	QPSK	1	0		Band 12	10M	737.5	5095		17.10	17.14
		Band 12	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900		22.85	22.86
	CA_2A-66A	Band 2	20M	1880	18900	QPSK	1	0		Band 66	20M	2155	66886		17.20	17.14
		Band 66	20M	1745	132322	QPSK	1	0		Band 2	20M	1960	900		18.10	18.18
	CA_2A-71A	Band 2	20M	1880	18900	QPSK	1	0		Band 71	20M	637	68786		17.05	17.14
		Band 71	20M	683	133322	QPSK	1	0		Band 2	20M	1960	900		23.15	23.22
	CA_4A-5A	Band 4	20M	1732.5	20175	QPSK	1	0		Band 5	10M	881.5	2525		18.10	18.17
		Band 5	10M	836.5	20525	QPSK	1	0		Band 4	20M	2132.5	2175		22.31	22.40
	CA_4A-12A	Band 4	20M	1732.5	20175	QPSK	1	0		Band 12	10M	737.5	5095		18.04	18.17
		Band 12	10M	707.5	23095	QPSK	1	0		Band 4	20M	2132.5	2175		22.66	22.86
	CA_4A-71A	Band 4	20M	1732.5	20175	QPSK	1	0		Band 71	20M	637	68786		18.01	18.17
		Band 71	20M	683	133322	QPSK	1	0		Band 4	20M	2132.5	2175		23.14	23.22
	CA_5A-41A	Band 5	10M	836.5	20525	QPSK	1	0		Band 41	20M	2593	40620		22.41	22.40
		Band 41	20M	2593	40620	QPSK	1	0		Band 5	10M	881.5	2525		19.24	19.25
	CA_5A-41A	Band 5	10M	836.5	20525	QPSK	1	0		Band 41	20M	2593	40620	4x4MIMO	22.35	22.40
		Band 41	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		19.17	19.25
	CA_12A-66A	Band 12	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886		22.85	22.86
		Band 66	20M	1745	132322	QPSK	1	0		Band 12	10M	737.5	5095		18.14	18.18
	CA_25A-26A	Band 25	20M	1880	26340	QPSK	1	0		Band 26	15M	876.5	8865		17.00	17.14
		Band 26	15M	831.5	26865	QPSK	1	0		Band 25	20M	1962.5	8365		22.42	22.59
	CA_25A-41A	Band 25	20M	1880	26340	QPSK	1	0		Band 41	20M	2593	40620		17.10	17.14
		Band 41	20M	2593	40620	QPSK	1	0		Band 25	20M	1962.5	8365		19.21	19.25
	CA_26A-41A	Band 26	15M	831.5	26865	QPSK	1	0		Band 41	20M	2593	40620		22.32	22.59
		Band 41	20M	2593	40620	QPSK	1	0		Band 26	15M	876.5	8865		19.20	19.25
	CA_66A-71A	Band 66	20M	1745	132322	QPSK	1	0		Band 71	20M	637	68786		18.11	18.18
		Band 71	20M	683	133322	QPSK	1	0		Band 66	20M	2145	66786		23.00	23.22
Intra-Band	CA_2C	Band 2	20M	1880	18900	QPSK	1	0		Band 2	20M	1979.8	1098		17.00	17.14
	CA_12B	Band 12	5M	701.5	23035	QPSK	1	0		Band 12	10M	741.2	5107		22.76	22.86
	CA_41C	Band 41	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	2791		19.23	19.25
	CA_66B	Band 66	15M	1745	132322	QPSK	1	0		Band 66	5M	2164.3	66979		17.65	17.89
	CA_66C	Band 66	20M	1745	132322	QPSK	1	0		Band 66	20M	2174.8	67084		18.04	18.18
	CA_2A-2A	Band 2	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		17.00	17.14
	CA_4A-4A	Band 4	20M	1732.5	20175	QPSK	1	0		Band 4	5M	2152.5	2375		18.01	18.17
	CA_25A-25A	Band 25	20M	1880	26340	QPSK	1	0		Band 25	5M	1992.5	8665		17.00	17.14
	CA_41A-41A	Band 41	20M	2593	40620	QPSK	1	0		Band 41	5M	2687.5	41565		19.15	19.25
	CA_66A-66A	Band 66	20M	1745	132322	QPSK	1	0		Band 66	5M	2197.5	67311		18.12	18.18

3CA DL

<Inter-Band for Three Carrier Combination> (three bands)

Configure		PCC								SCC1					SCC2					Power	
		LTE Band	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)
Inter-Band	CA_2A-4A-5A	Band 2	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175		Band 5	10M	881.5	2525		17.1	17.14
		Band 4	20M	1732.5	20175	QPSK	1	0		Band 5	10M	881.5	2525		Band 2	20M	1960	900		18	18.17
		Band 5	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900		Band 4	20M	2132.5	2175		22.32	22.4
	CA_2A4-4A4-5A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525		17.1	17.14
		Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 2	20M	1960	900	4x4MIMO	18.12	18.17
		Band 5	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.21	22.4
	CA_2A-4A-12A	Band 2	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175		Band 12	10M	737.5	5095		17.02	17.14
		Band 4	20M	1732.5	20175	QPSK	1	0		Band 12	10M	737.5	5095		Band 2	20M	1960	900		18.14	18.17
		Band 12	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900		Band 4	20M	2132.5	2175		22.8	22.86
	CA_2A4-4A4-12A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 12	10M	737.5	5095		17.21	17.14
		Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 2	20M	1960	900	4x4MIMO	18.03	18.17
		Band 12	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.81	22.86
	CA_2A-4A-71A	Band 2	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175		Band 71	20M	637	68786		17.12	17.14
		Band 4	20M	1732.5	20175	QPSK	1	0		Band 71	20M	637	68786		Band 2	20M	1960	900		18.12	18.17
		Band 71	20M	683	133322	QPSK	1	0		Band 2	20M	1960	900		Band 4	20M	2132.5	2175		23.11	23.22
	CA_2A4-4A-71A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 71	20M	637	68786		17.1	17.14
		Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 71	20M	637	68786		Band 2	20M	1960	900	4x4MIMO	18.15	18.17
		Band 71	20M	683	133322	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.12	23.22
	CA_2A-12A-66A	Band 2	20M	1880	18900	QPSK	1	0		Band 12	10M	737.5	5095		Band 66	20M	2155	66886		17.05	17.14
		Band 12	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886		Band 2	20M	1960	900		22.82	22.86
		Band 66	20M	1745	132322	QPSK	1	0		Band 2	20M	1960	900		Band 12	10M	737.5	5095		18.12	18.18

3CA DL

<Inter-Band for Three Carrier Combination> (two bands)

Configure		PCC								SCC1					SCC2					Power	
		LTE Band	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)
Inter-Band	CA_2A-2A-4A	Band 2	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		Band 4	20M	2132.5	2175		17.12	17.14
		Band 4	20M	1732.5	20175	QPSK	1	0		Band 2	20M	1960	900		Band 2	5M	1987.5	1175		18.04	18.17
	CA_2A4-2A4-4A4	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	17.02	17.14
		Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	18.11	18.17
	CA_2A-4A-4A	Band 2	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175		Band 4	5M	2152.5	2375		17.08	17.14
		Band 4	20M	1732.5	20175	QPSK	1	0		Band 4	5M	2152.5	2375		Band 2	20M	1960	900		18.1	18.17
	CA_2A4-4A4-4A4	Band 2	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175		Band 4	5M	2152.5	2375		22.98	22.9
		Band 4	20M	1732.5	20175	QPSK	1	0		Band 4	5M	2152.5	2375		Band 2	20M	1960	900		23.16	22.97
	CA_2A-2A-5A	Band 2	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		Band 5	10M	881.5	2525		17.1	17.14
		Band 5	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900		Band 2	5M	1987.5	1175		22.32	22.4
	CA_2A4-2A4-5A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525		17.12	17.14
		Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.12	22.4
	CA_2A-2A-12A	Band 2	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		Band 12	10M	737.5	5095		17.12	17.14
		Band 12	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900		Band 2	5M	1987.5	1175		22.85	22.86
	CA_2A-66A-71A	Band 2	20M	1880	18900	QPSK	1	0		Band 66	20M	2155	66886		Band 71	20M	637	68786		17.11	17.14
		Band 71	20M	683	133322	QPSK	1	0		Band 66	20M	2155	66886		Band 2	5M	1987.5	1175		23.12	23.22
	CA_2A-12B	Band 2	20M	1880	18900	QPSK	1	0		Band 12	5M	737.5	5095		Band 12	10M	744.7	5167		17.1	17.14
		Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 2	20M	1960	900		22.42	22.47
	CA_2A4-12B	Band 2	20M	1880	18900	QPSK	1	0		Band 12	5M	737.5	5095		Band 12	10M	744.7	5167		22.94	22.9
		Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 2	20M	1960	900		22.66	22.47
	CA_2C-12A	Band 2	20M	1880	18900	QPSK	1	0		Band 2	20M	1979.8	1098		Band 12	10M	737.5	5095		17.13	17.14
		Band 12	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900		Band 2	20M	1979.8	1098		22.84	22.86
	CA_2C4-12A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	Band 12	10M	737.5	5095		17.11	17.14
		Band 12	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	22.81	22.86
	CA_2C-66A	Band 2	20M	1880	18900	QPSK	1	0		Band 2	20M	1979.8	1098		Band 66	20M	2155	66886		17.13	17.14
		Band 66	20M	1745	132322	QPSK	1	0		Band 2	20M	1960	900		Band 2	20M	1979.8	1098		18.15	18.18
	CA_2A-66B	Band 2	20M	1880	18900	QPSK	1	0		Band 66	15M	2155	66886		Band 66	5M	2164.3	66979		17.11	17.14
		Band 66	15M	1745	132322	QPSK	1	0		Band 66	5M	2164.3	66979		Band 2	20M	1960	900		17.86	17.89
	CA_2A-66C	Band 2	20M	1880	18900	QPSK	1	0		Band 66	20M	2155	66886		Band 66	20M	2174.8	67084		17.12	17.14
		Band 66	20M	1745	132322	QPSK	1	0		Band 66	20M	2174.8	67084		Band 2	20M	1960	900		18.16	18.18
	CA_2A-2A-66A	Band 2	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		Band 66	20M	2155	66886		17.12	17.14
		Band 66	20M	1745	132322	QPSK	1	0		Band 2	20M	1960	900		Band 2	5M	1987.5	1175		18.16	18.18
	CA_2A-2A-71A	Band 2	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		Band 71	20M	637	68786		17.11	17.14
		Band 71	20M	683	133322	QPSK	1	0		Band 2	20M	1960	900		Band 2	5M	1987.5	1175		23.12	23.22
	CA_2A4-2A4-71A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 71	20M	637	68786		17.11	17.14
		Band 71	20M	683	133322	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.12	23.22
	CA_2A-66A-66A	Band 2	20M	1880	18900	QPSK	1	0		Band 66	20M	2155	66886		Band 66	5M	2197.5	67311		17.1	17.14
		Band 66	20M	1745	132322	QPSK	1	0		Band 66	5M	2197.5	67311		Band 2	20M	1960	900		18.16	18.18
	CA_4A-4A-5A	Band 4	20M	1732.5	20175	QPSK	1	0		Band 4	5M	2152.5	2375		Band 5	10M	881.5	2525		18.14	18.17
		Band 5	10M	836.5	20525	QPSK	1	0		Band 4	20M	2132.5	2175		Band 4	5M	2152.5	2375		22.32	22.4
	CA_4A4-4A4-5A	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 5	10M	881.5	2525		17.11	18.17
		Band 5	10M	836.5	20525	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	22.12	22.4
	CA_4A-4A-71A	Band 4	20M	1732.5	20175	QPSK	1	0		Band 4	5M	2152.5	2375		Band 71	20M	637	68786		18.14	18.17
		Band 71	20M	683	133322	QPSK	1	0		Band 4	20M	2132.5	2175		Band 4	5M	2152.5	2375		23.2	23.22
	CA_4A4-4A4-71A	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 71	20M	637	68786		18.14	18.17
		Band 71	20M	683	133322	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	23.12	23.22
	CA_4A-4A-12A	Band 4	20M	1732.5	20175	QPSK	1	0		Band 4	5M	2152.5	2375		Band 12	10M	737.5	5095		18.11	18.17
		Band 12	10M	707.5	23095	QPSK	1	0		Band 4	20M	2132.5	2175		Band 4	5M	2152.5	2375		22.82	22.86
	CA_4A4-4A4-12A	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 12	10M	737.5	5095		18.15	18.17
		Band 12	10M	707.5	23095	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	22.69	22.86
	CA_25A-25A-26A	Band 25	20M	1880	26340	QPSK	1	0		Band 25	5M	1960	8340		Band 26	10M	876.5	8865		17.1	17.14
		Band 26	10M	831.5	26865	QPSK	1	0		Band 25	20M	1960	8340		Band 25	5M	1960	8340		22.12	22.15
	CA_25A4-25A4-26A	Band 25	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 25	5M	1960	8340	4x4MIMO	Band 26	10M	876.5	8865		17.12	17.14
		Band 26	10M	831.5	26865	QPSK	1	0		Band 25	20M	1960	8340	4x4MIMO	Band 25	5M	1960	8340	4x4MIMO	22.12	22.15
	CA_4A-12B	Band 4	20M	1732.5	20175	QPSK	1	0		Band 12	5M	737.5	5095		Band 12	10M	744.7	5167		18.14	18.17
		Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 4	20M	2132.5	2175		22.82	22.86
	CA_4A4-12B	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 12	5M	737.5	5095		Band 12	10M	744.7	5167		18.15	18.17
		Band 12	5M	707.5	23095	QPSK	1	0	4x4MIMO	Band 12	10M	744.7	5167		Band 4	20M	2132.5	2175		22.92	22.86
	CA_5A-12B	Band 5	10M	836.5	20525	QPSK	1	0		Band 12	5M	737.5	5095		Band 12	10M	744.7	5167		22.33	22.4
		Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 5	10M	881.5	2525		22.82	22.86
	CA_12A-66A-66A	Band 12	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886		Band 66	5M	2197.5	67311		22.81	22.86
		Band 66	20M	1745	132322	QPSK	1	0		Band 66	5M	2197.5	67311		Band 12	10M	737.5	5095		18.15	18.18
	CA_66A4-66A4-71A	Band 12	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.82	22.86
		Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 12	10M	737.5	5095		18.15	18.18
	CA_12A-66C	Band 12	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886		Band 66	20M	2174.8	67084		22.83	22.86
		Band 66	20M	1745	132322	QPSK	1	0		Band 66	20M	2174.8	67084		Band 12	10M	737.5	5095		18.11	18.18
	CA_25A-41C	Band 25	20M	1880	26340	QPSK	1	0		Band 41	20M	2593	40620		Band 41	20M	2612.8	40818		17.09	17.14
		Band 41	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	40818		Band 25	20M	1960	8340		19.24	19.25
	CA_26A-41C	Band 26	15M	831.5	26865	QPSK	1	0		Band 41	20M	2593	40620		Band 41	20M	2612.8	2791		22.31	22.59
		Band 41	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	40818		Band 26	15M	876.5	8865		19.1	19.25
	CA_26A-41C4	Band 26	15M	831.5	26865	QPSK	1	0		Band 41	20M	2593	40620	4x4MIMO	Band 41	20M	2612.8	2791	4x4MIMO	22.42	22.59
		Band 41	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	40818	4x4MIMO	Band 26	15M	876.5	8865		19.21	19.25
	CA_12B-66A	Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 66	20M	2155	66886		22.82	22.86
		Band 66	20M	1745	132322	QPSK	1	0		Band 12	5M	737.5	5095		Band 12	10M	744.7	5167		18.09	18.18
Intra-Band	CA_41D	Band 41	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	40818		Band 41	20M	2632.6	41016		19.21	19.25
	CA_66A-66B	Band 66	20M	1745	132322	QPSK	1	0		Band 66	15M	2155	66886		Band 66	5M	2164.3	2248		18.11	18.18
		Band 66	15M	1745	132322	QPSK	1	0		Band 66	5M	2164.3	66979		Band 66	20M	2155	66886		17.83	17.89
	CA_66A-66C	Band 66	20M	1745	132322	QPSK	1	0		Band 66	15M	2155	66886		Band 66	5M	2164.3	2248		18.12	18.18
		Band 66	15M	1745	132322	QPSK	1	0		Band 66	5M	2164.3	66979		Band 66	20M	2155	66886		17.95	17.89
	CA_66A4-66B4	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	2248	4x4MIMO	18.12	18.18
		Band 66	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	17.81	17.89
	CA_66A4-66C4	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	2248	4x4MIMO	18.03	18.18
		Band 66	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	17.93	17.89
	CA_41A-41C	Band 41	20M	2593	40620	QPSK	1	0		Band 41	5M	2687.5	41565		Band 41	20M	2699.2	41682		19.15	19.25
		Band 41	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	40818		Band 41	5M	2498.5	39675		19.16	19.25

4CA DL

<Inter-Band for Three Carrier Combination> (three bands)

Configure		PCC								SCC1					SCC2					SCC3					Power	
		LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset		LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel		LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel		LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel		With CA Tx. Power (dBm)	Without CA Tx. Power (dBm)
Inter-Band	CA_2A-4A-12B	Band 2	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175		Band 12	5M	737.5	5095		Band 12	10M	2132.5	2525		17.12	17.14
		Band 4	20M	1732.5	20175	QPSK	1	0		Band 2	20M	1960	900		Band 12	5M	737.5	5095		Band 12	10M	2132.5	2525		18.16	18.17
		Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 4	20M	2132.5	2175		Band 2	20M	1960	900		22.42	22.47
	CA_2A-4A-12B	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 12	5M	737.5	5095		Band 12	10M	2132.5	2525		17.19	17.14
		Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 12	5M	737.5	5095		Band 12	10M	2132.5	2525		18.21	18.17
		Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 4	20M	2132.5	2175	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.34	22.47
	CA_2A-12A-66C	Band 2	20M	1880	18900	QPSK	1	0		Band 12	10M	737.5	5095		Band 66	20M	2155	66886		Band 66	20M	757.3	5293		17.21	17.14
		Band 12	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900		Band 66	20M	2155	66886		Band 66	20M	1979.8	1098		22.88	22.86
		Band 66	20M	1745	132322	QPSK	1	0		Band 66	20M	2174.8	67084		Band 2	20M	1960	900		Band 12	10M	737.5	5095		18.1	18.18
	CA_2A-12A-66C	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	757.3	5293	4x4MIMO	17.01	17.14
		Band 12	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 66	20M	2155	66886		Band 66	20M	1979.8	1098	4x4MIMO	22.76	22.86
		Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 12	10M	737.5	5095		18.11	18.18
	CA_2A--66C-71A	Band 2	20M	1880	18900	QPSK	1	0		Band 71	20M	637	68786		Band 66	20M	2155	66886		Band 66	20M	656.8	68984		17.12	17.14
		Band 71	20M	683	133322	QPSK	1	0		Band 2	20M	1960	900		Band 66	20M	2155	66886		Band 66	20M	1979.8	1098		23.06	23.22
		Band 66	20M	1745	132322	QPSK	1	0		Band 66	20M	2174.8	67084		Band 2	20M	1960	900		Band 71	20M	637	68786		18.1	18.18
	CA_2A--66C-71A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 71	20M	637	68786		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	656.8	68984	4x4MIMO	17.09	17.14
		Band 71	20M	683	133322	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	1979.8	1098	4x4MIMO	23.12	23.22
		Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 71	20M	637	68786		18.04	18.18

<Inter-Band for Three Carrier Combination> (two bands)

Configure		PCC								SCC1					SCC2					SCC3					Power	
		LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset		LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel		LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel		LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel		With CA Tx. Power (dBm)	Without CA Tx. Power (dBm)
Inter-Band	CA_2A-2A-12B	Band 2	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		Band 12	5M	737.5	5095		Band 12	10M	2132.5	2175		17.11	17.14
		Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 2	20M	1960	900		Band 2	5M	1987.5	1175		22.44	22.47
	CA_2A-2A-12B	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 12	5M	737.5	5095		Band 12	10M	2132.5	2175		17.1	17.14
		Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.31	22.47
	CA_2C-66A-66A	Band 2	20M	1880	18900	QPSK	1	0		Band 2	20M	1979.8	1098		Band 66	20M	2155	66886		Band 66	5M	2197.5	67311		17.12	17.14
		Band 66	20M	1745	132322	QPSK	1	0		Band 66	5M	2197.5	67311		Band 2	20M	1960	900		Band 2	20M	1979.8	1098		18.11	18.18
	CA_2C-66A-66A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	17.12	17.14
		Band 66	20M	1745	132322	QPSK	1	0		Band 66	5M	2197.5	67311	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	18.02	18.18
	CA_2A-2A--66B	Band 2	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		Band 66	15M	2155	66886		Band 66	5M	1996.8	1268		17.13	17.14
		Band 66	15M	1745	132322	QPSK	1	0		Band 66	5M	2164.3	66979		Band 2	20M	1960	900		Band 2	5M	1987.5	1175		17.85	17.89
	CA_2A-2A--66B	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	1996.8	1268	4x4MIMO	17.02	17.14
		Band 66	15M	1745	132322	QPSK	1	0		Band 66	5M	2164.3	66979	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	17.69	17.89
	CA_2A-2A--66C	Band 2	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		Band 66	20M	2155	66886		Band 66	20M	2007.3	1373		17.12	17.14
		Band 66	20M	1745	132322	QPSK	1	0		Band 66	20M	2174.8	67084		Band 2	20M	1960	900		Band 2	5M	1987.5	1175		18.12	18.18
	CA_2A-2A--66C	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2007.3	1373	4x4MIMO	17.1	17.14
		Band 66	20M	1745	132322	QPSK	1	0		Band 66	20M	2174.8	67084	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	18.12	18.18
	CA_12B-66A-66A	Band 66	20M	1745	132322	QPSK	1	0		Band 66	5M	2197.5	67311		Band 12	5M	737.5	5095		Band 12	10M	2132.5	2175		18.13	18.18
		Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 66	5M	2197.5	67311		Band 66	5M	2197.5	67311		22.45	22.47
	CA_12B-66A-66A	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 12	5M	737.5	5095		Band 12	10M	2132.5	2175		18.11	18.18
		Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 66	5M	2197.5	67311	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.31	22.47
	CA_25A-41D	Band 25	20M	1880	26340	QPSK	1	0		Band 41	20M	2593	40620		Band 41	20M	2612.8	40818		Band 41	20M	2632.6	41016		17.11	17.14
		Band 41	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	40818		Band 41	20M	2632.6	41016		Band 25	20M	1960	8340		19.21	19.25
	CA_25A-41D	Band 25	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	17.12	17.14
		Band 41	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	2791	4x4MIMO	Band 41	20M	2632.6	2989	4x4MIMO	Band 25	20M	1960	8340	4x4MIMO	19.21	19.25
Intra-Band	CA_41C-41C	Band 41	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	40818		Band 41	5M	2498.5	39675		Band 41	20M	2624.5	40935		19.22	19.25
	CA_41C-41C	Band 41	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	2791	4x4MIMO	Band 41	5M	2498.5	39675	4x4MIMO	Band 41	20M	2624.5	2908	4x4MIMO	19.21	19.25
	CA_41E	Band 41	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	40818		Band 41	20M	2632.6	41016		Band 41	20M	2652.4	41214		19.19	19.25
	CA_41E	Band 41	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	2791	4x4MIMO	Band 41	20M	2632.6	2989	4x4MIMO	Band 41	20M	2652.4	3187	4x4MIMO	19.12	19.25
	CA_41A-41D	Band 41	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	40818		Band 41	20M	2632.6	41016		Band 41	5M	2498.5	39675		19.23	19.25
		Band 41	20M	2593	40620	QPSK	1	0		Band 41	5M	2498.5	39675		Band 41	20M	2518.3	39873		Band 41	20M	2538.1	40071		19.29	19.25
	CA_41A-41D	Band 41	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	2791	4x4MIMO	Band 41	20M	2632.6	2989	4x4MIMO	Band 41	5M	2498.5	39675	4x4MIMO	19.11	19.25
		Band 41	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2498.5	39675	4x4MIMO	Band 41	20M	2518.3	39873	4x4MIMO	Band 41	20M	2538.1	40071	4x4MIMO	19.12	19.25

Reduced Power Mode for Hotspot on 2CA DL

Configure	CA List	PCC								SCC					Power	
		LTE Band	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)
Inter-Band	CA_2A-4A	Band 2	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175		14.25	14.30
		Band 4	20M	1732.5	20175	QPSK	1	0		Band 2	20M	1960	900		15.80	15.85
	CA_2A-5A	Band 2	20M	1880	18900	QPSK	1	0		Band 5	10M	881.5	2525		14.21	14.30
		Band 5	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900		22.35	22.40
	CA_2A-12A	Band 2	20M	1880	18900	QPSK	1	0		Band 12	10M	737.5	5095		14.21	14.30
		Band 12	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900		22.65	22.86
	CA_2A-66A	Band 2	20M	1880	18900	QPSK	1	0		Band 66	20M	2155	66886		14.21	14.30
		Band 66	20M	1745	132322	QPSK	1	0		Band 2	20M	1960	900		15.75	15.81
	CA_2A-71A	Band 2	20M	1880	18900	QPSK	1	0		Band 71	20M	637	68786		14.21	14.30
		Band 71	20M	683	133322	QPSK	1	0		Band 2	20M	1960	900		23.21	23.22
	CA_4A-5A	Band 4	20M	1732.5	20175	QPSK	1	0		Band 5	10M	881.5	2525		15.82	15.85
		Band 5	10M	836.5	20525	QPSK	1	0		Band 4	20M	2132.5	2175		22.36	22.40
	CA_4A-12A	Band 4	20M	1732.5	20175	QPSK	1	0		Band 12	10M	737.5	5095		15.80	15.85
		Band 12	10M	707.5	23095	QPSK	1	0		Band 4	20M	2132.5	2175		22.80	22.86
	CA_4A-71A	Band 4	20M	1732.5	20175	QPSK	1	0		Band 71	20M	637	68786		15.80	15.85
		Band 71	20M	683	133322	QPSK	1	0		Band 4	20M	2132.5	2175		23.12	23.22
	CA_5A-41A	Band 5	10M	836.5	20525	QPSK	1	0		Band 41	20M	2593	40620		22.35	22.40
		Band 41	20M	2593	40620	QPSK	1	0		Band 5	10M	881.5	2525		14.52	14.54
	CA_5A-41A	Band 5	10M	836.5	20525	QPSK	1	0		Band 41	20M	2593	40620	4x4MIMO	22.31	22.40
		Band 41	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		13.27	14.54
	CA_12A-66A	Band 12	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886		22.68	22.86
		Band 66	20M	1745	132322	QPSK	1	0		Band 12	10M	737.5	5095		15.75	15.81
	CA_25A-26A	Band 25	20M	1880	26340	QPSK	1	0		Band 26	15M	876.5	8865		15.16	15.18
		Band 26	15M	831.5	26865	QPSK	1	0		Band 25	20M	1962.5	8365		22.43	22.59
	CA_25A-41A	Band 25	20M	1880	26340	QPSK	1	0		Band 41	20M	2593	40620		15.10	15.18
		Band 41	20M	2593	40620	QPSK	1	0		Band 25	20M	1962.5	8365		14.51	14.54
	CA_26A-41A	Band 26	15M	831.5	26865	QPSK	1	0		Band 41	20M	2593	40620		22.43	22.59
		Band 41	20M	2593	40620	QPSK	1	0		Band 26	15M	876.5	8865		14.52	14.54
Intra-Band	CA_2C	Band 2	20M	1880	18900	QPSK	1	0		Band 2	20M	1979.8	1098		14.25	14.30
	CA_66A-71A	Band 66	20M	1745	132322	QPSK	1	0		Band 71	20M	637	68786		15.80	15.81
		Band 71	20M	683	133322	QPSK	1	0		Band 66	20M	2145	66786		23.12	23.22
	CA_12B	Band 12	5M	701.5	23035	QPSK	1	0		Band 12	10M	741.2	5107		22.81	22.86
	CA_41C	Band 41	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	2791		14.45	14.54
	CA_66B	Band 66	15M	1745	132322	QPSK	1	0		Band 66	5M	2164.3	66979		15.51	15.58
	CA_66C	Band 66	20M	1745	132322	QPSK	1	0		Band 66	20M	2174.8	67084		15.65	15.81
	CA_2A-2A	Band 2	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		14.21	14.30
	CA_4A-4A	Band 4	20M	1732.5	20175	QPSK	1	0		Band 4	5M	2152.5	2375		15.78	15.85
	CA_25A-25A	Band 25	20M	1880	26340	QPSK	1	0		Band 25	5M	1992.5	8665		15.00	15.18
	CA_41A-41A	Band 41	20M	2593	40620	QPSK	1	0		Band 41	5M	2687.5	41565		14.32	14.54
	CA_66A-66A	Band 66	20M	1745	132322	QPSK	1	0		Band 66	5M	2197.5	67311		15.65	15.81

3CA DL

<Inter-Band for Three Carrier Combination> (three bands)

Configure		PCC								SCC1					SCC2					Power	
		LTE Band	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)
Inter-Band	CA_2A-4A-5A	Band 2	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175		Band 5	10M	881.5	2525		14.21	14.3
		Band 4	20M	1732.5	20175	QPSK	1	0		Band 5	10M	881.5	2525		Band 2	20M	1960	900		15.82	15.85
		Band 5	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900		Band 4	20M	2132.5	2175		22.32	22.4
	CA_2A4-4A4-5A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525		14.21	14.3
		Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 2	20M	1960	900	4x4MIMO	15.82	15.85
		Band 5	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.32	22.4
	CA_2A-4A-12A	Band 2	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175		Band 12	10M	737.5	5095		14.26	14.3
		Band 4	20M	1732.5	20175	QPSK	1	0		Band 12	10M	737.5	5095		Band 2	20M	1960	900		15.8	15.85
		Band 12	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900		Band 4	20M	2132.5	2175		22.81	22.86
	CA_2A4-4A4-12A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 12	10M	737.5	5095		14.21	14.3
		Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 2	20M	1960	900	4x4MIMO	15.82	15.85
		Band 12	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.91	22.86
	CA_2A-4A-71A	Band 2	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175		Band 71	20M	637	68786		14.21	14.3
		Band 4	20M	1732.5	20175	QPSK	1	0		Band 71	20M	637	68786		Band 2	20M	1960	900		15.82	15.85
		Band 71	20M	683	133322	QPSK	1	0		Band 2	20M	1960	900		Band 4	20M	2132.5	2175		23.12	23.22
	CA_2A4-4A-71A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 71	20M	637	68786		14.23	14.3
		Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 71	20M	637	68786		Band 2	20M	1960	900	4x4MIMO	15.82	15.85
		Band 71	20M	683	133322	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.21	23.22
	CA_2A-12A-66A	Band 2	20M	1880	18900	QPSK	1	0		Band 12	10M	737.5	5095		Band 66	20M	2155	66886		14.26	14.3
		Band 12	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886		Band 2	20M	1960	900		22.82	22.86
		Band 66	20M	1745	132322	QPSK	1	0		Band 2	20M	1960	900		Band 12	10M	737.5	5095		15.8	15.81

3CA DL

<Inter-Band for Three Carrier Combination> (two bands)

Configure		PCC								SCC1					SCC2					Power	
		LTE Band	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)
Inter-Band	CA_2A-2A-4A	Band 2	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		Band 4	20M	2132.5	2175		14.23	14.3
		Band 4	20M	1732.5	20175	QPSK	1	0		Band 2	20M	1960	900		Band 2	5M	1987.5	1175		15.82	15.85
	CA_2A4-2A4-4A4	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	14.21	14.3
		Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	15.82	15.85
	CA_2A-4A-4A	Band 2	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175		Band 4	5M	2152.5	2375		14.21	14.3
		Band 4	20M	1732.5	20175	QPSK	1	0		Band 4	5M	2152.5	2375		Band 2	20M	1960	900		15.82	15.85
	CA_2A4-4A4-4A4	Band 2	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175		Band 4	5M	2152.5	2375		14.29	14.3
		Band 4	20M	1732.5	20175	QPSK	1	0		Band 4	5M	2152.5	2375		Band 2	20M	1960	900		15.82	15.85
	CA_2A-2A-5A	Band 2	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		Band 5	10M	881.5	2525		14.21	14.3
		Band 5	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900		Band 2	5M	1987.5	1175		22.32	22.4
	CA_2A4-2A4-5A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525		14.13	14.3
		Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.12	22.4
	CA_2A-2A-12A	Band 2	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		Band 12	10M	737.5	5095		14.21	14.3
		Band 12	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900		Band 2	5M	1987.5	1175		22.82	22.86
	CA_2A-66A-71A	Band 2	20M	1880	18900	QPSK	1	0		Band 66	20M	2155	66886		Band 71	20M	637	68786		14.31	14.3
		Band 71	20M	683	133322	QPSK	1	0		Band 66	20M	2155	66886		Band 2	5M	1987.5	1175		23.12	23.22
	CA_2A-12B	Band 2	20M	1880	18900	QPSK	1	0		Band 12	5M	737.5	5095		Band 12	10M	744.7	5167		14.21	14.3
		Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 2	20M	1960	900		22.31	22.47
	CA_2A4-12B	Band 2	20M	1880	18900	QPSK	1	0		Band 12	5M	737.5	5095		Band 12	10M	744.7	5167		14.21	14.3
		Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 2	20M	1960	900		22.31	22.47
	CA_2C-12A	Band 2	20M	1880	18900	QPSK	1	0		Band 2	20M	1979.8	1098		Band 12	10M	737.5	5095		14.26	14.3
		Band 12	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900		Band 2	20M	1979.8	1098		22.75	22.86
	CA_2C4-12A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	Band 12	10M	737.5	5095		14.21	14.3
		Band 12	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	22.86	22.86
	CA_2C-66A	Band 2	20M	1880	18900	QPSK	1	0		Band 2	20M	1979.8	1098		Band 66	20M	2155	66886		14.21	14.3
		Band 66	20M	1745	132322	QPSK	1	0		Band 2	20M	1960	900		Band 2	20M	1979.8	1098		15.8	15.81
	CA_2A-66B	Band 2	20M	1880	18900	QPSK	1	0		Band 66	15M	2155	66886		Band 66	5M	2164.3	66979		14.26	14.3
		Band 66	15M	1745	132322	QPSK	1	0		Band 66	5M	2164.3	66979		Band 2	20M	1960	900		15.45	15.58
	CA_2A-66C	Band 2	20M	1880	18900	QPSK	1	0		Band 66	20M	2155	66886		Band 66	20M	2174.8	67084		14.23	14.3
		Band 66	20M	1745	132322	QPSK	1	0		Band 66	20M	2174.8	67084		Band 2	20M	1960	900		15.78	15.81
	CA_2A-2A-66A	Band 2	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		Band 66	20M	2155	66886		14.21	14.3
		Band 66	20M	1745	132322	QPSK	1	0		Band 2	20M	1960	900		Band 2	5M	1987.5	1175		15.8	15.81
	CA_2A-2A-71A	Band 2	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		Band 71	20M	637	68786		14.23	14.3
		Band 71	20M	683	133322	QPSK	1	0		Band 2	20M	1960	900		Band 2	5M	1987.5	1175		23.2	23.22
	CA_2A4-2A4-71A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 71	20M	637	68786		14.21	14.3
		Band 71	20M	683	133322	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.12	23.22
	CA_2A-66A-66A	Band 2	20M	1880	18900	QPSK	1	0		Band 66	20M	2155	66886		Band 66	5M	2197.5	67311		14.21	14.3
		Band 66	20M	1745	132322	QPSK	1	0		Band 66	5M	2197.5	67311		Band 2	20M	1960	900		15.8	15.81
	CA_4A-4A-5A	Band 4	20M	1732.5	20175	QPSK	1	0		Band 4	5M	2152.5	2375		Band 5	10M	881.5	2525		15.82	15.85
		Band 5	10M	836.5	20525	QPSK	1	0		Band 4	20M	2132.5	2175		Band 4	5M	2152.5	2375		22.31	22.4
	CA_4A4-4A4-5A	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 5	10M	881.5	2525		15.82	15.85
		Band 5	10M	836.5	20525	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	22.31	22.4
	CA_4A-4A-71A	Band 4	20M	1732.5	20175	QPSK	1	0		Band 4	5M	2152.5	2375		Band 71	20M	637	68786		15.82	15.85
		Band 71	20M	683	133322	QPSK	1	0		Band 4	20M	2132.5	2175		Band 4	5M	2152.5	2375		23.18	23.22
	CA_4A4-4A4-71A	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 71	20M	637	68786		15.82	15.85
		Band 71	20M	683	133322	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	23.21	23.22
	CA_4A-4A-12A	Band 4	20M	1732.5	20175	QPSK	1	0		Band 4	5M	2152.5	2375		Band 12	10M	737.5	5095		15.8	15.85
		Band 12	10M	707.5	23095	QPSK	1	0		Band 4	20M	2132.5	2175		Band 4	5M	2152.5	2375		22.82	22.86
	CA_4A4-4A4-12A	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 12	10M	737.5	5095		15.72	15.85
		Band 12	10M	707.5	23095	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	22.92	22.86
	CA_25A-25A-26A	Band 25	20M	1880	26340	QPSK	1	0		Band 25	5M	1960	8340		Band 26	10M	876.5	8865		15.12	15.18
		Band 26	10M	831.5	26865	QPSK	1	0		Band 25	20M	1960	8340		Band 25	5M	1960	8340		22.12	22.15
	CA_25A4-25A4-26A	Band 25	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 25	5M	1960	8340	4x4MIMO	Band 26	10M	876.5	8865		15.12	15.18
		Band 26	10M	831.5	26865	QPSK	1	0		Band 25	20M	1960	8340	4x4MIMO	Band 25	5M	1960	8340	4x4MIMO	22.12	22.15
	CA_4A-12B	Band 4	20M	1732.5	20175	QPSK	1	0		Band 12	5M	737.5	5095		Band 12	10M	744.7	5167		15.82	15.85
		Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 4	20M	2132.5	2175		22.82	22.86
	CA_4A4-12B	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 12	5M	737.5	5095		Band 12	10M	744.7	5167		15.82	15.85
		Band 12	5M	707.5	23095	QPSK	1	0	4x4MIMO	Band 12	10M	744.7	5167		Band 4	20M	2132.5	2175		22.82	22.86
	CA_5A-12B	Band 5	10M	836.5	20525	QPSK	1	0		Band 12	5M	737.5	5095		Band 12	10M	744.7	5167		22.32	22.4
		Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 5	10M	881.5	2525		22.81	22.86
	CA_12A-66A-66A	Band 12	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886		Band 66	5M	2197.5	67311		22.82	22.86
		Band 66	20M	1745	132322	QPSK	1	0		Band 66	5M	2197.5	67311		Band 12	10M	737.5	5095		15.78	15.81
	CA_66A4-66A4-71A	Band 12	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.82	22.86
		Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 12	10M	737.5	5095		15.8	15.81
	CA_12A-66C	Band 12	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886		Band 66	20M	2174.8	67084		22.69	22.86
		Band 66	20M	1745	132322	QPSK	1	0		Band 66	20M	2174.8	67084		Band 12	10M	737.5	5095		15.78	15.81
	CA_25A-41C	Band 25	20M	1880	26340	QPSK	1	0		Band 41	20M	2593	40620		Band 41	20M	2612.8	40818		15.17	15.18
		Band 41	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	40818		Band 25	20M	1960	8340		14.52	14.54
	CA_26A-41C4	Band 26	15M	831.5	26865	QPSK	1	0		Band 41	20M	2593	40620		Band 41	20M	2612.8	2791		15.01	15.18
		Band 41	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	40818		Band 26	15M	876.5	8865		14.48	14.54
	CA_26A-41C4	Band 26	15M	831.5	26865	QPSK	1	0		Band 41	20M	2593	40620	4x4MIMO	Band 41	20M	2612.8	2791	4x4MIMO	15.12	15.18
		Band 41	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	40818	4x4MIMO	Band 26	15M	876.5	8865		14.52	14.54
	CA_12B-66A	Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 66	20M	2155	66886		22.82	22.86
		Band 66	20M	1745	132322	QPSK	1	0		Band 12	5M	737.5	5095		Band 12	10M	744.7	5167		15.78	15.81
Intra-Band	CA_41D	Band 41	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	40818		Band 41	20M	2632.6	41016		14.42	14.54
	CA_66A-66B	Band 66	20M	1745	132322	QPSK	1	0		Band 66	15M	2155	66886		Band 66	5M	2164.3	2248		15.71	15.81
		Band 66	15M	1745	132322	QPSK	1	0		Band 66	5M	2164.3	66979		Band 66	20M	2155	66886		15.58	15.58
	CA_66A-66C	Band 66	20M	1745	132322	QPSK	1	0		Band 66	15M	2155	66886		Band 66	5M	2164.3	2248		15.32	15.81
		Band 66	15M	1745	132322	QPSK	1	0		Band 66	5M	2164.3	66979		Band 66	20M	2155	66886		15.41	15.58
	CA_66A4-66B4	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	2248	4x4MIMO	15.78	15.81
		Band 66	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	15.62	15.58
	CA_66A4-66C4	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	2248	4x4MIMO	15.42	15.81
		Band 66	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	15.63	15.58
	CA_41A-41C	Band 41	20M	2593	40620	QPSK	1	0		Band 41	5M	2687.5	41565		Band 41	20M	2699.2	41682		14.39	14.54
		Band 41	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	40818		Band 41	5M	2498.5	39675		14.45	14.54

4CA DL

<Inter-Band for Three Carrier Combination> (three bands)

Configure		PCC								SCC1					SCC2					SCC3					Power	
		LTE	BW	UL	UL	Mod.	UL#	UL		LTE	BW	DL	DL		LTE	BW	DL	DL		LTE	BW	DL	DL		With CA	Without CA
		Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Tx. Power (dBm)	Tx. Power (dBm)
Inter-Band	CA_2A-4A-12B	Band 2	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175		Band 12	5M	737.5	5095		Band 12	10M	2132.5	2525		14.21	14.3
		Band 4	20M	1732.5	20175	QPSK	1	0		Band 2	20M	1960	900		Band 12	5M	737.5	5095		Band 12	10M	2132.5	2525		15.8	15.85
		Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 4	20M	2132.5	2175		Band 2	20M	1960	900		22.59	22.47
	CA_2A-4A-12B	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 12	5M	737.5	5095		Band 12	10M	2132.5	2525		14.15	14.3
		Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 12	5M	737.5	5095		Band 12	10M	2132.5	2525		15.68	15.85
		Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 4	20M	2132.5	2175	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.31	22.47
	CA_2A-12A-66C	Band 2	20M	1880	18900	QPSK	1	0		Band 12	10M	737.5	5095		Band 66	20M	2155	66886		Band 66	20M	757.3	5293		14.28	14.30
		Band 12	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900		Band 66	20M	2155	66886		Band 66	20M	1979.8	1098		22.88	22.86
		Band 66	20M	1745	132322	QPSK	1	0		Band 66	20M	2174.8	67084		Band 2	20M	1960	900		Band 12	10M	737.5	5095		15.8	15.81
	CA_2A-12A-66C	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	757.3	5293	4x4MIMO	14.21	14.30
		Band 12	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 66	20M	2155	66886		Band 66	20M	1979.8	1098	4x4MIMO	22.8	22.86
		Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 12	10M	737.5	5095		15.72	15.81
	CA_2A--66C-71A	Band 2	20M	1880	18900	QPSK	1	0		Band 71	20M	637	68786		Band 66	20M	2155	66886		Band 66	20M	656.8	68984		14.21	14.3
		Band 71	20M	683	133322	QPSK	1	0		Band 2	20M	1960	900		Band 66	20M	2155	66886		Band 66	20M	1979.8	1098		23.06	23.22
		Band 66	20M	1745	132322	QPSK	1	0		Band 66	20M	2174.8	67084		Band 2	20M	1960	900		Band 71	20M	637	68786		15.78	15.81
	CA_2A--66C-71A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 71	20M	637	68786		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	656.8	68984	4x4MIMO	14.21	14.3
		Band 71	20M	683	133322	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	1979.8	1098	4x4MIMO	23.12	23.22
		Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 71	20M	637	68786		15.78	15.81

<Inter-Band for Three Carrier Combination> (two bands)

Configure		PCC								SCC1					SCC2					SCC3					Power	
		LTE	BW	UL	UL	Mod.	UL#	UL		LTE	BW	DL	DL		LTE	BW	DL	DL		LTE	BW	DL	DL		With CA	Without CA
		Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Tx. Power (dBm)	Tx. Power (dBm)
Inter-Band	CA_2A-2A-12B	Band 2	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		Band 12	5M	737.5	5095		Band 12	10M	2132.5	2175		14.21	14.3
		Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 2	20M	1960	900		Band 2	5M	1987.5	1175		22.44	22.47
	CA_2A-2A-12B	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 12	5M	737.5	5095		Band 12	10M	2132.5	2175		14.21	14.3
		Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.31	22.47
	CA_2C-66A-66A	Band 2	20M	1880	18900	QPSK	1	0		Band 2	20M	1979.8	1098		Band 66	20M	2155	66886		Band 66	5M	2197.5	67311		14.31	14.3
		Band 66	20M	1745	132322	QPSK	1	0		Band 66	5M	2197.5	67311		Band 2	20M	1960	900		Band 2	20M	1979.8	1098		15.78	15.81
	CA_2C-66A-66A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	14.31	14.3
		Band 66	20M	1745	132322	QPSK	1	0		Band 66	5M	2197.5	67311	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	15.92	15.81
	CA_2A-2A--66B	Band 2	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		Band 66	15M	2155	66886		Band 66	5M	1996.8	1268		14.15	14.3
		Band 66	15M	1745	132322	QPSK	1	0		Band 66	5M	2164.3	66979		Band 2	20M	1960	900		Band 2	5M	1987.5	1175		15.62	15.58
	CA_2A-2A--66B	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	1996.8	1268	4x4MIMO	14.21	14.3
		Band 66	15M	1745	132322	QPSK	1	0		Band 66	5M	2164.3	66979	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	15.62	15.58
	CA_2A-2A--66C	Band 2	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		Band 66	20M	2155	66886		Band 66	20M	2007.3	1373		14.26	14.3
		Band 66	20M	1745	132322	QPSK	1	0		Band 66	20M	2174.8	67084		Band 2	20M	1960	900		Band 2	5M	1987.5	1175		15.9	15.81
	CA_2A-2A--66C	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2007.3	1373	4x4MIMO	14.35	14.3
		Band 66	20M	1745	132322	QPSK	1	0		Band 66	20M	2174.8	67084	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	15.92	15.81
	CA_12B-66A-66A	Band 66	20M	1745	132322	QPSK	1	0		Band 66	5M	2197.5	67311		Band 12	5M	737.5	5095		Band 12	10M	2132.5	2175		15.82	15.81
		Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 66	5M	2197.5	67311		Band 66	5M	2197.5	67311		22.45	22.47
	CA_12B-66A-66A	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 12	5M	737.5	5095		Band 12	10M	2132.5	2175		15.71	15.81
		Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 66	5M	2197.5	67311	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.4	22.47
	CA_25A-41D	Band 25	20M	1880	26340	QPSK	1	0		Band 41	20M	2593	40620		Band 41	20M	2612.8	40818		Band 41	20M	2632.6	41016		15.19	15.18
		Band 41	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	40818		Band 41	20M	2632.6	41016		Band 25	20M	1960	8340		14.62	14.54
	CA_25A-41D	Band 25	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	15.16	15.18
		Band 41	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	2791	4x4MIMO	Band 41	20M	2632.6	2989	4x4MIMO	Band 25	20M	1960	8340	4x4MIMO	14.52	14.54
Intra-Band	CA_41C-41C	Band 41	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	40818		Band 41	5M	2498.5	39675		Band 41	20M	2624.5	40935		14.55	14.54
	CA_41C-41C	Band 41	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	2791	4x4MIMO	Band 41	5M	2498.5	39675	4x4MIMO	Band 41	20M	2624.5	2908	4x4MIMO	14.51	14.54
	CA_41E	Band 41	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	40818		Band 41	20M	2632.6	41016		Band 41	20M	2652.4	41214		14.62	14.54
	CA_41E	Band 41	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	2791	4x4MIMO	Band 41	20M	2632.6	2989	4x4MIMO	Band 41	20M	2652.4	3187	4x4MIMO	14.45	14.54
	CA_41A-41D	Band 41	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	40818		Band 41	20M	2632.6	41016		Band 41	5M	2498.5	39675		14.6	14.54
		Band 41	20M	2593	40620	QPSK	1	0		Band 41	5M	2498.5	39675		Band 41	20M	2518.3	39873		Band 41	20M	2538.1	40071		14.62	14.54
	CA_41A-41D	Band 41	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	2791	4x4MIMO	Band 41	20M	2632.6	2989	4x4MIMO	Band 41	5M	2498.5	39675	4x4MIMO	14.39	14.54
		Band 41	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2498.5	39675	4x4MIMO	Band 41	20M	2518.3	39873	4x4MIMO	Band 41	20M	2538.1	40071	4x4MIMO	14.42	14.54

Reduced Power Mode for Handheld on 2CA DL

Configure	CA List	PCC								SCC					Power	
		LTE Band	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)
Inter-Band	CA_2A-4A	Band 2	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175		19.85	20.00
		Band 4	20M	1732.5	20175	QPSK	1	0		Band 2	20M	1960	900		21.43	21.59
	CA_2A-5A	Band 2	20M	1880	18900	QPSK	1	0		Band 5	10M	881.5	2525		19.83	20.00
		Band 5	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900		22.76	22.81
	CA_2A-12A	Band 2	20M	1880	18900	QPSK	1	0		Band 12	10M	737.5	5095		19.82	20.00
		Band 12	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900		22.77	22.86
	CA_2A-66A	Band 2	20M	1880	18900	QPSK	1	0		Band 66	20M	2155	66886		19.83	20.00
		Band 66	20M	1745	132322	QPSK	1	0		Band 2	20M	1960	900		21.55	21.65
	CA_2A-71A	Band 2	20M	1880	18900	QPSK	1	0		Band 71	20M	637	68786		19.83	20.00
		Band 71	20M	683	133322	QPSK	1	0		Band 2	20M	1960	900		23.12	23.22
	CA_4A-5A	Band 4	20M	1732.5	20175	QPSK	1	0		Band 5	10M	881.5	2525		21.48	21.59
		Band 5	10M	836.5	20525	QPSK	1	0		Band 4	20M	2132.5	2175		22.87	22.81
	CA_4A-12A	Band 4	20M	1732.5	20175	QPSK	1	0		Band 12	10M	737.5	5095		21.44	21.59
		Band 12	10M	707.5	23095	QPSK	1	0		Band 4	20M	2132.5	2175		22.80	22.86
	CA_4A-71A	Band 4	20M	1732.5	20175	QPSK	1	0		Band 71	20M	637	68786		21.39	21.59
		Band 71	20M	683	133322	QPSK	1	0		Band 4	20M	2132.5	2175		23.09	23.22
	CA_5A-41A	Band 5	10M	836.5	20525	QPSK	1	0		Band 41	20M	2593	40620		22.75	22.81
		Band 41	20M	2593	40620	QPSK	1	0		Band 5	10M	881.5	2525		23.43	23.98
	CA_5A-41A	Band 5	10M	836.5	20525	QPSK	1	0		Band 41	20M	2593	40620	4x4MIMO	23.68	22.81
		Band 41	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		23.41	23.98
	CA_12A-66A	Band 12	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886		22.75	22.86
		Band 66	20M	1745	132322	QPSK	1	0		Band 12	10M	737.5	5095		21.45	21.65
	CA_25A-26A	Band 25	20M	1880	26340	QPSK	1	0		Band 26	15M	876.5	8865		20.30	20.26
		Band 26	15M	831.5	26865	QPSK	1	0		Band 25	20M	1962.5	8365		22.97	22.94
	CA_25A-41A	Band 25	20M	1880	26340	QPSK	1	0		Band 41	20M	2593	40620		20.24	20.26
		Band 41	20M	2593	40620	QPSK	1	0		Band 25	20M	1962.5	8365		23.09	23.98
	CA_26A-41A	Band 26	15M	831.5	26865	QPSK	1	0		Band 41	20M	2593	40620		23.05	22.94
		Band 41	20M	2593	40620	QPSK	1	0		Band 26	15M	876.5	8865		23.41	23.98
Intra-Band	CA_2C	Band 2	20M	1880	18900	QPSK	1	0		Band 2	20M	1979.8	1098		19.89	20.00
	CA_66A-71A	Band 66	20M	1745	132322	QPSK	1	0		Band 71	20M	637	68786		22.86	22.98
		Band 71	20M	683	133322	QPSK	1	0		Band 66	20M	2145	66786		23.12	23.22
	CA_12B	Band 12	5M	701.5	23035	QPSK	1	0		Band 12	10M	741.2	5107		22.23	22.86
	CA_41C	Band 41	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	2791		23.32	23.98
	CA_66B	Band 66	15M	1745	132322	QPSK	1	0		Band 66	5M	2164.3	66979		21.25	21.28
	CA_66C	Band 66	20M	1745	132322	QPSK	1	0		Band 66	20M	2174.8	67084		21.55	21.65
	CA_2A-2A	Band 2	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		19.98	20.00
	CA_4A-4A	Band 4	20M	1732.5	20175	QPSK	1	0		Band 4	5M	2152.5	2375		21.46	21.59
	CA_25A-25A	Band 25	20M	1880	26340	QPSK	1	0		Band 25	5M	1992.5	8665		20.16	20.26
	CA_41A-41A	Band 41	20M	2593	40620	QPSK	1	0		Band 41	5M	2687.5	41565		23.43	23.98
	CA_66A-66A	Band 66	20M	1745	132322	QPSK	1	0		Band 66	5M	2197.5	67311		21.53	21.65

3CA DL

<Inter-Band for Three Carrier Combination> (three bands)

Configure		PCC								SCC1					SCC2					Power	
		LTE Band	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)
Inter-Band	CA_2A-4A-5A	Band 2	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175		Band 5	10M	881.5	2525		19.85	20
		Band 4	20M	1732.5	20175	QPSK	1	0		Band 5	10M	881.5	2525		Band 2	20M	1960	900		21.42	21.59
		Band 5	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900		Band 4	20M	2132.5	2175		22.57	22.81
	CA_2A4-4A4-5A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525		19.89	20
		Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 2	20M	1960	900	4x4MIMO	21.42	21.59
		Band 5	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.8	22.81
	CA_2A-4A-12A	Band 2	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175		Band 12	10M	737.5	5095		19.89	20
		Band 4	20M	1732.5	20175	QPSK	1	0		Band 12	10M	737.5	5095		Band 2	20M	1960	900		21.43	21.59
		Band 12	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900		Band 4	20M	2132.5	2175		22.8	22.86
	CA_2A4-4A4-12A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 12	10M	737.5	5095		19.89	20
		Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 2	20M	1960	900	4x4MIMO	21.43	21.59
		Band 12	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.82	22.86
	CA_2A-4A-71A	Band 2	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175		Band 71	20M	637	68786		19.92	20
		Band 4	20M	1732.5	20175	QPSK	1	0		Band 71	20M	637	68786		Band 2	20M	1960	900		21.43	21.59
		Band 71	20M	683	133322	QPSK	1	0		Band 2	20M	1960	900		Band 4	20M	2132.5	2175		23.12	23.22
	CA_2A4-4A-71A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 71	20M	637	68786		19.82	20
		Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 71	20M	637	68786		Band 2	20M	1960	900	4x4MIMO	21.43	21.59
		Band 71	20M	683	133322	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.15	23.22
	CA_2A-12A-66A	Band 2	20M	1880	18900	QPSK	1	0		Band 12	10M	737.5	5095		Band 66	20M	2155	66886		19.92	20
		Band 12	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886		Band 2	20M	1960	900		22.68	22.86
		Band 66	20M	1745	132322	QPSK	1	0		Band 2	20M	1960	900		Band 12	10M	737.5	5095		21.56	21.65

3CA DL

<Inter-Band for Three Carrier Combination> (two bands)

Configure		PCC								SCC1					SCC2					Power	
		LTE Band	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)
Inter-Band	CA_2A-2A-4A	Band 2	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		Band 4	20M	2132.5	2175		19.98	20
		Band 4	20M	1732.5	20175	QPSK	1	0		Band 2	20M	1960	900		Band 2	5M	1987.5	1175		21.45	21.59
	CA_2A4-2A4-4A4	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.85	22.9
		Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.11	22.97
	CA_2A-4A-4A	Band 2	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175		Band 4	5M	2152.5	2375		19.89	20
		Band 4	20M	1732.5	20175	QPSK	1	0		Band 4	5M	2152.5	2375		Band 2	20M	1960	900		21.45	21.59
	CA_2A4-4A4-4A4	Band 2	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175		Band 4	5M	2152.5	2375		19.89	20
		Band 4	20M	1732.5	20175	QPSK	1	0		Band 4	5M	2152.5	2375		Band 2	20M	1960	900		21.48	21.59
	CA_2A-2A-5A	Band 2	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		Band 5	10M	881.5	2525		19.88	20
		Band 5	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900		Band 2	5M	1987.5	1175		22.58	22.81
	CA_2A4-2A4-5A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 5	10M	881.5	2525		19.83	20
		Band 5	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.8	22.81
	CA_2A-2A-12A	Band 2	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		Band 12	10M	737.5	5095		19.91	20
		Band 12	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900		Band 2	5M	1987.5	1175		22.83	22.86
	CA_2A-66A-71A	Band 2	20M	1880	18900	QPSK	1	0		Band 66	20M	2155	66886		Band 71	20M	637	68786		19.89	20
		Band 71	20M	683	133322	QPSK	1	0		Band 66	20M	2155	66886		Band 2	5M	1987.5	1175		23.21	23.22
	CA_2A-12B	Band 2	20M	1880	18900	QPSK	1	0		Band 12	5M	737.5	5095		Band 12	10M	744.7	5167		19.97	20
		Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 2	20M	1960	900		22.39	22.47
	CA_2A4-12B	Band 2	20M	1880	18900	QPSK	1	0		Band 12	5M	737.5	5095		Band 12	10M	744.7	5167		19.89	20
		Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 2	20M	1960	900		22.34	22.47
	CA_2C-12A	Band 2	20M	1880	18900	QPSK	1	0		Band 2	20M	1979.8	1098		Band 12	10M	737.5	5095		19.89	20
		Band 12	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900		Band 2	20M	1979.8	1098		22.84	22.86
	CA_2C4-12A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	Band 12	10M	737.5	5095		19.89	20
		Band 12	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	22.72	22.86
	CA_2C-66A	Band 2	20M	1880	18900	QPSK	1	0		Band 2	20M	1979.8	1098		Band 66	20M	2155	66886		19.92	20
		Band 66	20M	1745	132322	QPSK	1	0		Band 2	20M	1960	900		Band 2	20M	1979.8	1098		21.6	21.65
	CA_2A-66B	Band 2	20M	1880	18900	QPSK	1	0		Band 66	15M	2155	66886		Band 66	5M	2164.3	66979		19.92	20
		Band 66	15M	1745	132322	QPSK	1	0		Band 66	5M	2164.3	66979		Band 2	20M	1960	900		21.2	21.28
	CA_2A-66C	Band 2	20M	1880	18900	QPSK	1	0		Band 66	20M	2155	66886		Band 66	20M	2174.8	67084		19.93	20
		Band 66	20M	1745	132322	QPSK	1	0		Band 66	20M	2174.8	67084		Band 2	20M	1960	900		21.61	21.65
	CA_2A-2A-66A	Band 2	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		Band 66	20M	2155	66886		19.95	20
		Band 66	20M	1745	132322	QPSK	1	0		Band 2	20M	1960	900		Band 2	5M	1987.5	1175		21.55	21.65
	CA_2A-2A-71A	Band 2	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		Band 71	20M	637	68786		19.93	20
		Band 71	20M	683	133322	QPSK	1	0		Band 2	20M	1960	900		Band 2	5M	1987.5	1175		23.21	23.22
	CA_2A4-2A4-71A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 71	20M	637	68786		19.83	20
		Band 71	20M	683	133322	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	23.12	23.22
	CA_2A-66A-66A	Band 2	20M	1880	18900	QPSK	1	0		Band 66	20M	2155	66886		Band 66	5M	2197.5	67311		19.82	20
		Band 66	20M	1745	132322	QPSK	1	0		Band 66	5M	2197.5	67311		Band 2	20M	1960	900		21.69	21.65
	CA_4A-4A-5A	Band 4	20M	1732.5	20175	QPSK	1	0		Band 4	5M	2152.5	2375		Band 5	10M	881.5	2525		21.63	21.59
		Band 5	10M	836.5	20525	QPSK	1	0		Band 4	20M	2132.5	2175		Band 4	5M	2152.5	2375		22.53	22.81
	CA_4A4-4A4-5A	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 5	10M	881.5	2525		21.43	21.59
		Band 5	10M	836.5	20525	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	22.8	22.81
	CA_4A-4A-71A	Band 4	20M	1732.5	20175	QPSK	1	0		Band 4	5M	2152.5	2375		Band 71	20M	637	68786		21.6	21.59
		Band 71	20M	683	133322	QPSK	1	0		Band 4	20M	2132.5	2175		Band 4	5M	2152.5	2375		23.32	23.22
	CA_4A4-4A4-71A	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 71	20M	637	68786		21.43	21.59
		Band 71	20M	683	133322	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	23.12	23.22
	CA_4A-4A-12A	Band 4	20M	1732.5	20175	QPSK	1	0		Band 4	5M	2152.5	2375		Band 12	10M	737.5	5095		21.55	21.59
		Band 12	10M	707.5	23095	QPSK	1	0		Band 4	20M	2132.5	2175		Band 4	5M	2152.5	2375		22.85	22.86
	CA_4A4-4A4-12A	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	Band 12	10M	737.5	5095		21.48	21.59
		Band 12	10M	707.5	23095	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	22.8	22.86
	CA_25A-25A-26A	Band 25	20M	1880	26340	QPSK	1	0		Band 25	5M	1960	8340		Band 26	10M	876.5	8865		20.3	20.26
		Band 26	10M	831.5	26865	QPSK	1	0		Band 25	20M	1960	8340		Band 25	5M	1960	8340		22.61	22.5
	CA_25A4-25A4-26A	Band 25	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 25	5M	1960	8340	4x4MIMO	Band 26	10M	876.5	8865		20.21	20.26
		Band 26	10M	831.5	26865	QPSK	1	0		Band 25	20M	1960	8340	4x4MIMO	Band 25	5M	1960	8340	4x4MIMO	22.43	22.5
	CA_4A-12B	Band 4	20M	1732.5	20175	QPSK	1	0		Band 12	5M	737.5	5095		Band 12	10M	744.7	5167		21.49	21.59
		Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 4	20M	2132.5	2175		22.8	22.86
	CA_4A4-12B	Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 12	5M	737.5	5095		Band 12	10M	744.7	5167		21.5	21.59
		Band 12	5M	707.5	23095	QPSK	1	0	4x4MIMO	Band 12	10M	744.7	5167		Band 4	20M	2132.5	2175		22.82	22.86
	CA_5A-12B	Band 5	10M	836.5	20525	QPSK	1	0		Band 12	5M	737.5	5095		Band 12	10M	744.7	5167		22.55	22.81
		Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 5	10M	881.5	2525		22.83	22.86
	CA_12A-66A-66A	Band 12	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886		Band 66	5M	2197.5	67311		22.82	22.86
		Band 66	20M	1745	132322	QPSK	1	0		Band 66	5M	2197.5	67311		Band 12	10M	737.5	5095		21.61	21.65
	CA_66A4-66A4-71A	Band 12	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.81	22.86
		Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 12	10M	737.5	5095		21.6	21.65
	CA_12A-66C	Band 12	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886		Band 66	20M	2174.8	67084		22.82	22.86
		Band 66	20M	1745	132322	QPSK	1	0		Band 66	20M	2174.8	67084		Band 12	10M	737.5	5095		21.49	21.65
	CA_25A-41C	Band 25	20M	1880	26340	QPSK	1	0		Band 41	20M	2593	40620		Band 41	20M	2612.8	40818		20.21	20.26
		Band 41	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	40818		Band 25	20M	1960	8340		23.11	23.98
	CA_26A-41C	Band 26	15M	831.5	26865	QPSK	1	0		Band 41	20M	2593	40620		Band 41	20M	2612.8	2791		20.21	20.26
		Band 41	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	40818		Band 26	15M	876.5	8865		23.82	23.98
	CA_26A-41C4	Band 26	15M	831.5	26865	QPSK	1	0		Band 41	20M	2593	40620	4x4MIMO	Band 41	20M	2612.8	2791	4x4MIMO	20.3	20.26
		Band 41	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	40818	4x4MIMO	Band 26	15M	876.5	8865		23.82	23.98
	CA_12B-66A	Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 66	20M	2155	66886		22.58	22.86
		Band 66	20M	1745	132322	QPSK	1	0		Band 12	5M	737.5	5095		Band 12	10M	744.7	5167		23.1	22.98
Intra-Band	CA_41D	Band 41	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	40818		Band 41	20M	2632.6	41016		23.11	23.98
	CA_66A-66B	Band 66	20M	1745	132322	QPSK	1	0		Band 66	15M	2155	66886		Band 66	5M	2164.3	2248		21.55	21.65
		Band 66	15M	1745	132322	QPSK	1	0		Band 66	5M	2164.3	66979		Band 66	20M	2155	66886		21.24	21.28
	CA_66A-66C	Band 66	20M	1745	132322	QPSK	1	0		Band 66	15M	2155	66886		Band 66	5M	2164.3	2248		21.55	21.65
		Band 66	15M	1745	132322	QPSK	1	0		Band 66	5M	2164.3	66979		Band 66	20M	2155	66886		21.19	21.28
	CA_66A4-66B4	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	2248	4x4MIMO	21.38	21.65
		Band 66	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	21.25	21.28
	CA_66A4-66C4	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	2248	4x4MIMO	21.48	21.65
		Band 66	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	21.05	21.28
	CA_41A-41C	Band 41	20M	2593	40620	QPSK	1	0		Band 41	5M	2687.5	41565		Band 41	20M	2699.2	41682		22.98	23.98
		Band 41	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	40818		Band 41	5M	2498.5	39675		23.21	23.98

4CA DL

<Inter-Band for Three Carrier Combination> (three bands)

Configure		PCC								SCC1					SCC2					SCC3					Power	
		LTE Band	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)
Inter-Band	CA_2A-4A-12B	Band 2	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175		Band 12	5M	737.5	5095		Band 12	10M	2132.5	2525		19.89	20
		Band 4	20M	1732.5	20175	QPSK	1	0		Band 2	20M	1960	900		Band 12	5M	737.5	5095		Band 12	10M	2132.5	2525		21.62	21.59
		Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 4	20M	2132.5	2175		Band 2	20M	1960	900		22.26	22.47
	CA_2A-4A-12B	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 12	5M	737.5	5095		Band 12	10M	2132.5	2525		19.82	20
		Band 4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 12	5M	737.5	5095		Band 12	10M	2132.5	2525		21.43	21.59
		Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 4	20M	2132.5	2175	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.41	22.47
	CA_2A-12A-66C	Band 2	20M	1880	18900	QPSK	1	0		Band 12	10M	737.5	5095		Band 66	20M	2155	66886		Band 66	20M	757.3	5293		19.89	20.00
		Band 12	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900		Band 66	20M	2155	66886		Band 66	20M	1979.8	1098		22.88	22.86
		Band 66	20M	1745	132322	QPSK	1	0		Band 66	20M	2174.8	67084		Band 2	20M	1960	900		Band 12	10M	737.5	5095		21.45	21.65
	CA_2A-12A-66C	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	757.3	5293	4x4MIMO	19.82	20.00
		Band 12	10M	707.5	23095	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 66	20M	2155	66886		Band 66	20M	1979.8	1098	4x4MIMO	22.75	22.86
		Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 12	10M	737.5	5095		21.6	21.65
	CA_2A--66C-71A	Band 2	20M	1880	18900	QPSK	1	0		Band 71	20M	637	68786		Band 66	20M	2155	66886		Band 66	20M	656.8	68984		19.98	20
		Band 71	20M	683	133322	QPSK	1	0		Band 2	20M	1960	900		Band 66	20M	2155	66886		Band 66	20M	1979.8	1098		23.06	23.22
		Band 66	20M	1745	132322	QPSK	1	0		Band 66	20M	2174.8	67084		Band 2	20M	1960	900		Band 71	20M	637	68786		21.6	21.65
	CA_2A--66C-71A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 71	20M	637	68786		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	656.8	68984	4x4MIMO	19.89	20
		Band 71	20M	683	133322	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	1979.8	1098	4x4MIMO	23.12	23.22
		Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 71	20M	637	68786		21.55	21.65

<Inter-Band for Three Carrier Combination> (two bands)

Configure		PCC								SCC1					SCC2					SCC3					Power	
		LTE Band	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)
Inter-Band	CA_2A-2A-12B	Band 2	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		Band 12	5M	737.5	5095		Band 12	10M	2132.5	2175		19.98	20
		Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 2	20M	1960	900		Band 2	5M	1987.5	1175		22.42	22.47
	CA_2A-2A-12B	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 12	5M	737.5	5095		Band 12	10M	2132.5	2175		19.89	20
		Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.37	22.47
	CA_2C-66A-66A	Band 2	20M	1880	18900	QPSK	1	0		Band 2	20M	1979.8	1098		Band 66	20M	2155	66886		Band 66	5M	2197.5	67311		19.89	20
		Band 66	20M	1745	132322	QPSK	1	0		Band 66	5M	2197.5	67311		Band 2	20M	1960	900		Band 2	20M	1979.8	1098		21.72	21.65
	CA_2C-66A-66A	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	19.83	20
		Band 66	20M	1745	132322	QPSK	1	0		Band 66	5M	2197.5	67311	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	21.45	21.65
	CA_2A-2A--66B	Band 2	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		Band 66	15M	2155	66886		Band 66	5M	1996.8	1268		20.08	20
		Band 66	15M	1745	132322	QPSK	1	0		Band 66	5M	2164.3	66979		Band 2	20M	1960	900		Band 2	5M	1987.5	1175		21.21	21.28
	CA_2A-2A--66B	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	1996.8	1268	4x4MIMO	19.92	20
		Band 66	15M	1745	132322	QPSK	1	0		Band 66	5M	2164.3	66979	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	21.18	21.28
	CA_2A-2A--66C	Band 2	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		Band 66	20M	2155	66886		Band 66	20M	2007.3	1373		19.89	20
		Band 66	20M	1745	132322	QPSK	1	0		Band 66	20M	2174.8	67084		Band 2	20M	1960	900		Band 2	5M	1987.5	1175		21.49	21.65
	CA_2A-2A--66C	Band 2	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2007.3	1373	4x4MIMO	19.83	20
		Band 66	20M	1745	132322	QPSK	1	0		Band 66	20M	2174.8	67084	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	21.55	21.65
	CA_12B-66A-66A	Band 66	20M	1745	132322	QPSK	1	0		Band 66	5M	2197.5	67311		Band 12	5M	737.5	5095		Band 12	10M	2132.5	2175		21.62	21.65
		Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 66	5M	2197.5	67311		Band 66	5M	2197.5	67311		22.51	22.47
	CA_12B-66A-66A	Band 66	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 12	5M	737.5	5095		Band 12	10M	2132.5	2175		21.49	21.65
		Band 12	5M	707.5	23095	QPSK	1	0		Band 12	10M	744.7	5167		Band 66	5M	2197.5	67311	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.39	22.47
	CA_25A-41D	Band 25	20M	1880	26340	QPSK	1	0		Band 41	20M	2593	40620		Band 41	20M	2612.8	40818		Band 41	20M	2632.6	41016		20.21	20.26
		Band 41	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	40818		Band 41	20M	2632.6	41016		Band 25	20M	1960	8340		22.8	23.98
	CA_25A-41D	Band 25	20M	1880	26340	QPSK	1	0	4x4MIMO	Band 41	20M	2593	40620	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	20.21	20.26
		Band 41	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	2791	4x4MIMO	Band 41	20M	2632.6	2989	4x4MIMO	Band 25	20M	1960	8340	4x4MIMO	23.89	23.98
Intra-Band	CA_41C-41C	Band 41	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	40818		Band 41	5M	2498.5	39675		Band 41	20M	2624.5	40935		22.96	23.98
	CA_41C-41C	Band 41	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	2791	4x4MIMO	Band 41	5M	2498.5	39675	4x4MIMO	Band 41	20M	2624.5	2908	4x4MIMO	23.88	23.98
	CA_41E	Band 41	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	40818		Band 41	20M	2632.6	41016		Band 41	20M	2652.4	41214		23.32	23.98
	CA_41E	Band 41	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	2791	4x4MIMO	Band 41	20M	2632.6	2989	4x4MIMO	Band 41	20M	2652.4	3187	4x4MIMO	23.78	23.98
	CA_41A-41D	Band 41	20M	2593	40620	QPSK	1	0		Band 41	20M	2612.8	40818		Band 41	20M	2632.6	41016		Band 41	5M	2498.5	39675		23.14	23.98
		Band 41	20M	2593	40620	QPSK	1	0		Band 41	5M	2498.5	39675		Band 41	20M	2518.3	39873		Band 41	20M	2538.1	40071		22.98	23.98
	CA_41A-41D	Band 41	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	2791	4x4MIMO	Band 41	20M	2632.6	2989	4x4MIMO	Band 41	5M	2498.5	39675	4x4MIMO	23.89	23.98
		Band 41	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2498.5	39675	4x4MIMO	Band 41	20M	2518.3	39873	4x4MIMO	Band 41	20M	2538.1	40071	4x4MIMO	23.92	23.98

Reduced Power Mode for Receiver On-UAT(EN-DC)

Band 2 (1900MHz Band) Part24E

BW [MHz]	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	13.85	13.91	13.89	14.5	0
20	QPSK	1	49	13.69	13.46	13.76		
20	QPSK	1	99	13.52	13.66	13.67		
20	QPSK	50	0	13.18	13.39	13.13	13.5	1
20	QPSK	50	24	13.38	13.10	13.01		
20	QPSK	50	50	13.21	12.98	13.18		
20	QPSK	100	0	13.34	13.35	13.06		
20	16QAM	1	0	13.29	13.38	13.32	13.5	1
20	16QAM	1	49	13.18	13.27	13.13		
20	16QAM	1	99	13.33	13.04	13.03		
20	16QAM	50	0	12.48	12.22	12.13	12.5	2
20	16QAM	50	24	12.41	12.08	12.02		
20	16QAM	50	50	12.27	12.02	12.25		
20	16QAM	100	0	12.35	12.06	12.05		
20	64QAM	1	0	11.94	12.15	12.18	12.5	2
20	64QAM	1	49	11.72	11.72	12.17		
20	64QAM	1	99	11.92	11.94	12.19		
20	64QAM	50	0	11.48	11.20	11.10	11.5	3
20	64QAM	50	24	11.42	11.06	10.99		
20	64QAM	50	50	11.22	10.98	11.15		
20	64QAM	100	0	10.95	11.15	11.06		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	13.78	13.60	13.78	14.5	0
15	QPSK	1	37	13.73	13.47	13.55		
15	QPSK	1	74	13.76	13.32	13.54		
15	QPSK	36	0	13.02	12.73	12.86	13.5	1
15	QPSK	36	20	12.89	12.59	12.80		
15	QPSK	36	39	12.83	12.54	12.70		
15	QPSK	75	0	12.88	12.61	12.79		
15	16QAM	1	0	13.01	12.94	12.99	13.5	1
15	16QAM	1	37	12.90	12.81	12.97		
15	16QAM	1	74	12.88	12.60	12.89		
15	16QAM	36	0	11.81	11.54	11.66	12.5	2
15	16QAM	36	20	11.66	11.37	11.58		
15	16QAM	36	39	11.57	11.31	11.45		
15	16QAM	75	0	11.68	11.40	11.58		
15	64QAM	1	0	11.68	11.67	11.66	12.5	2
15	64QAM	1	37	11.82	11.53	11.64		
15	64QAM	1	74	11.82	11.37	11.54		
15	64QAM	36	0	11.22	10.93	11.04	11.5	3
15	64QAM	36	20	11.07	10.77	10.96		
15	64QAM	36	39	10.99	10.75	10.84		
15	64QAM	75	0	11.08	10.77	10.99		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	13.69	13.39	13.37	14.5	0
10	QPSK	1	25	13.63	13.28	13.34		
10	QPSK	1	49	13.55	13.26	13.23		
10	QPSK	25	0	12.91	12.58	12.68	13.5	1
10	QPSK	25	12	12.84	12.73	12.73		
10	QPSK	25	25	12.81	12.63	12.64		
10	QPSK	50	0	12.83	12.64	12.75		
10	16QAM	1	0	13.19	12.90	12.74	13.5	1
10	16QAM	1	25	13.09	12.81	12.75		
10	16QAM	1	49	13.07	12.79	12.84		
10	16QAM	25	0	11.94	11.97	11.97	12.5	2
10	16QAM	25	12	11.86	12.07	11.95		
10	16QAM	25	25	11.81	11.96	11.95		
10	16QAM	50	0	11.83	12.06	11.75		
10	64QAM	1	0	12.30	12.02	12.16	12.5	2
10	64QAM	1	25	12.13	11.87	12.03		
10	64QAM	1	49	12.22	11.88	12.07		
10	64QAM	25	0	11.08	10.72	10.88	11.5	3
10	64QAM	25	12	10.99	10.68	10.92		
10	64QAM	25	25	10.85	10.62	10.85		
10	64QAM	50	0	10.94	10.64	10.60		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	13.74	13.43	13.58	14.5	0
5	QPSK	1	12	13.72	13.36	13.59		
5	QPSK	1	24	13.73	13.34	13.61		
5	QPSK	12	0	12.92	12.61	12.94	13.5	1
5	QPSK	12	7	12.94	12.81	12.93		
5	QPSK	12	13	12.88	12.77	12.95		
5	QPSK	25	0	12.92	12.78	12.94		
5	16QAM	1	0	13.18	12.86	13.21	13.5	1
5	16QAM	1	12	13.09	12.76	13.15		
5	16QAM	1	24	13.18	12.74	13.21		
5	16QAM	12	0	11.97	11.63	11.95	12.5	2
5	16QAM	12	7	11.93	11.83	11.96		
5	16QAM	12	13	11.95	11.82	11.95		
5	16QAM	25	0	11.90	11.81	11.94		
5	64QAM	1	0	12.21	11.90	12.23	12.5	2
5	64QAM	1	12	12.11	11.77	12.17		
5	64QAM	1	24	12.14	11.76	12.22		
5	64QAM	12	0	11.05	10.69	11.02	11.5	3
5	64QAM	12	7	11.03	10.59	11.05		
5	64QAM	12	13	11.03	10.63	11.05		
5	64QAM	25	0	11.01	10.65	11.04		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	13.74	13.41	13.32	14.5	0
3	QPSK	1	8	13.72	13.39	13.31		
3	QPSK	1	14	13.71	13.32	13.32		
3	QPSK	8	0	12.97	12.62	12.89	13.5	1
3	QPSK	8	4	13	12.58	12.88		
3	QPSK	8	7	13	12.61	12.89		
3	QPSK	15	0	12.97	12.58	12.86		
3	16QAM	1	0	13.15	12.83	13.03	13.5	1
3	16QAM	1	8	13.19	12.84	13.08		
3	16QAM	1	14	13.12	12.75	13.05		
3	16QAM	8	0	11.97	11.64	11.85	12.5	2
3	16QAM	8	4	11.96	11.83	11.86		
3	16QAM	8	7	11.93	11.83	11.83		
3	16QAM	15	0	11.95	11.79	11.79		
3	64QAM	1	0	12.14	11.84	12.01	12.5	2
3	64QAM	1	8	12.2	11.83	12.04		
3	64QAM	1	14	12.15	11.76	11.99		
3	64QAM	8	0	11.01	10.68	10.85	11.5	3
3	64QAM	8	4	11.01	10.64	10.85		
3	64QAM	8	7	11	10.63	10.84		
3	64QAM	15	0	11.03	10.59	10.85		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	13.60	13.24	13.43	14.5	0
1.4	QPSK	1	3	13.62	13.30	13.51		
1.4	QPSK	1	5	13.58	13.19	13.42		
1.4	QPSK	3	0	13.63	13.27	13.51		
1.4	QPSK	3	1	13.69	13.33	13.56		
1.4	QPSK	3	3	13.66	13.21	13.46		
1.4	QPSK	6	0	12.77	12.74	12.84	13.5	1
1.4	16QAM	1	0	13.01	12.65	12.84	13.5	1
1.4	16QAM	1	3	13.05	12.71	12.74		
1.4	16QAM	1	5	12.96	12.59	12.63		
1.4	16QAM	3	0	12.83	12.84	12.73		
1.4	16QAM	3	1	12.88	12.75	12.74		
1.4	16QAM	3	3	12.79	12.92	12.85		
1.4	16QAM	6	0	11.84	11.64	11.85	12.5	2
1.4	64QAM	1	0	12.08	11.72	11.64	12.5	2
1.4	64QAM	1	3	12.14	11.78	11.67		
1.4	64QAM	1	5	12.08	11.71	11.64		
1.4	64QAM	3	0	11.95	11.62	11.52		
1.4	64QAM	3	1	12.00	11.65	11.58		
1.4	64QAM	3	3	11.94	11.54	11.53		
1.4	64QAM	6	0	10.93	10.49	10.51	11.5	3

Band 66

BW [MHz]	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	15.54	15.67	15.34	16.5	0
20	QPSK	1	49	15.65	15.54	15.56		
20	QPSK	1	99	15.44	15.45	15.55		
20	QPSK	50	0	14.28	14.53	14.49	15.5	1
20	QPSK	50	24	14.32	14.28	14.52		
20	QPSK	50	50	14.21	14.19	14.52		
20	QPSK	100	0	14.28	14.45	14.44		
20	16QAM	1	0	14.65	14.63	14.81	15.5	1
20	16QAM	1	49	14.53	14.50	14.76		
20	16QAM	1	99	14.48	14.55	14.72		
20	16QAM	50	0	13.25	13.20	13.52	14.5	2
20	16QAM	50	24	13.30	13.25	13.56		
20	16QAM	50	50	13.26	13.25	13.50		
20	16QAM	100	0	13.28	13.25	13.51		
20	64QAM	1	0	13.53	13.48	13.67	14.5	2
20	64QAM	1	49	13.38	13.36	13.65		
20	64QAM	1	99	13.41	13.41	13.64		
20	64QAM	50	0	12.27	12.23	12.51	13.5	3
20	64QAM	50	24	12.30	12.26	12.55		
20	64QAM	50	50	12.25	12.22	12.53		
20	64QAM	100	0	12.29	12.26	12.52		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	14.97	14.96	15.18	16.5	0
15	QPSK	1	37	14.92	14.84	15.15		
15	QPSK	1	74	14.95	14.99	15.15		
15	QPSK	36	0	14.21	14.22	14.49	15.5	1
15	QPSK	36	20	14.26	14.22	14.54		
15	QPSK	36	39	14.27	14.21	14.54		
15	QPSK	75	0	14.26	14.24	14.47		
15	16QAM	1	0	14.61	14.61	14.80	15.5	1
15	16QAM	1	37	14.52	14.49	14.81		
15	16QAM	1	74	14.56	14.54	14.72		
15	16QAM	36	0	13.22	13.21	13.51	14.5	2
15	16QAM	36	20	13.28	13.25	13.58		
15	16QAM	36	39	13.23	13.24	13.52		
15	16QAM	75	0	13.29	13.27	13.48		
15	64QAM	1	0	13.49	13.47	13.68	14.5	2
15	64QAM	1	37	13.39	13.35	13.70		
15	64QAM	1	74	13.46	13.49	13.61		
15	64QAM	36	0	12.25	12.23	12.53	13.5	3
15	64QAM	36	20	12.29	12.25	12.56		
15	64QAM	36	39	12.28	12.25	12.53		
15	64QAM	75	0	12.32	12.28	12.49		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	14.84	14.74	15.05	16.5	0
10	QPSK	1	25	14.77	14.73	15.07		
10	QPSK	1	49	14.75	14.75	15.01		
10	QPSK	25	0	14.11	14.01	14.28	15.5	1
10	QPSK	25	12	14.11	14.10	14.31		
10	QPSK	25	25	14.11	14.08	14.36		
10	QPSK	50	0	14.14	14.10	14.30		
10	16QAM	1	0	14.56	14.47	14.71	15.5	1
10	16QAM	1	25	14.48	14.41	14.71		
10	16QAM	1	49	14.52	14.44	14.74		
10	16QAM	25	0	13.10	12.97	13.34	14.5	2
10	16QAM	25	12	13.14	13.10	13.38		
10	16QAM	25	25	13.12	13.06	13.42		
10	16QAM	50	0	13.13	13.07	13.31		
10	64QAM	1	0	13.53	13.51	13.73	14.5	2
10	64QAM	1	25	13.41	13.43	13.55		
10	64QAM	1	49	13.46	13.43	13.69		
10	64QAM	25	0	12.16	12.04	12.41	13.5	3
10	64QAM	25	12	12.19	12.14	12.36		
10	64QAM	25	25	12.11	12.06	12.40		
10	64QAM	50	0	12.12	12.09	12.31		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	14.84	14.72	15.10	16.5	0
5	QPSK	1	12	14.84	14.83	15.12		
5	QPSK	1	24	14.84	14.78	15.09		
5	QPSK	12	0	14.14	14.04	14.37	15.5	1
5	QPSK	12	7	14.15	14.10	14.42		
5	QPSK	12	13	14.12	14.07	14.33		
5	QPSK	25	0	14.13	14.09	14.38		
5	16QAM	1	0	14.48	14.40	14.79	15.5	1
5	16QAM	1	12	14.50	14.48	14.80		
5	16QAM	1	24	14.50	14.45	14.77		
5	16QAM	12	0	13.19	13.04	13.42	14.5	2
5	16QAM	12	7	13.23	13.11	13.47		
5	16QAM	12	13	13.18	13.08	13.41		
5	16QAM	25	0	13.14	13.08	13.40		
5	64QAM	1	0	13.47	13.33	13.71	14.5	2
5	64QAM	1	12	13.42	13.42	13.72		
5	64QAM	1	24	13.38	13.35	13.67		
5	64QAM	12	0	12.17	12.00	12.37	13.5	3
5	64QAM	12	7	12.18	12.07	12.37		
5	64QAM	12	13	12.17	12.07	12.38		
5	64QAM	25	0	12.16	12.08	12.41		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	14.85	14.73	15.09	16.5	0
3	QPSK	1	8	14.91	14.84	15.15		
3	QPSK	1	14	14.84	14.80	15.08		
3	QPSK	8	0	14.12	13.99	14.39	15.5	1
3	QPSK	8	4	14.15	14.09	14.41		
3	QPSK	8	7	14.10	14.07	14.37		
3	QPSK	15	0	14.09	14.04	14.36		
3	16QAM	1	0	14.49	14.34	14.74	15.5	1
3	16QAM	1	8	14.59	14.49	14.76		
3	16QAM	1	14	14.46	14.42	14.74		
3	16QAM	8	0	13.20	13.07	13.46	14.5	2
3	16QAM	8	4	13.25	13.13	13.47		
3	16QAM	8	7	13.17	13.11	13.40		
3	16QAM	15	0	13.17	13.11	13.41		
3	64QAM	1	0	13.41	13.28	13.69	14.5	2
3	64QAM	1	8	13.49	13.42	13.76		
3	64QAM	1	14	13.40	13.35	13.65		
3	64QAM	8	0	12.17	12.04	12.43	13.5	3
3	64QAM	8	4	12.19	12.12	12.43		
3	64QAM	8	7	12.13	12.09	12.40		
3	64QAM	15	0	12.14	12.08	12.39		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	14.71	14.67	14.97	16.5	0
1.4	QPSK	1	3	14.80	14.72	15.04		
1.4	QPSK	1	5	14.71	14.68	14.99		
1.4	QPSK	3	0	14.76	14.75	15.04		
1.4	QPSK	3	1	14.81	14.77	15.07		
1.4	QPSK	3	3	14.76	14.70	15.01		
1.4	QPSK	6	0	13.99	13.98	14.24	15.5	1
1.4	16QAM	1	0	14.38	14.29	14.64	15.5	1
1.4	16QAM	1	3	14.43	14.39	14.72		
1.4	16QAM	1	5	14.35	14.33	14.62		
1.4	16QAM	3	0	14.16	14.11	14.46		
1.4	16QAM	3	1	14.23	14.20	14.51		
1.4	16QAM	3	3	14.16	14.13	14.45		
1.4	16QAM	6	0	13.11	13.03	13.35	14.5	2
1.4	64QAM	1	0	13.28	13.20	13.56	14.5	2
1.4	64QAM	1	3	13.29	13.29	13.61		
1.4	64QAM	1	5	13.24	13.24	13.54		
1.4	64QAM	3	0	13.21	13.13	13.50		
1.4	64QAM	3	1	13.26	13.20	13.56		
1.4	64QAM	3	3	13.19	13.12	13.48		
1.4	64QAM	6	0	12.02	11.98	12.30	13.5	3

Reduced Power Mode for Sensor On -UAT(EN-DC)

Band 2 (1900MHz Band) Part 24E

BW [MHz]	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	15.26	15.39	15.27	16.5	0
20	QPSK	1	49	15.05	15.08	15.15		
20	QPSK	1	99	15.05	15.00	15.02		
20	QPSK	50	0	14.30	14.33	14.11	15.5	1
20	QPSK	50	24	14.32	14.25	14.29		
20	QPSK	50	50	14.09	14.32	14.28		
20	QPSK	100	0	14.23	14.29	14.21		
20	16QAM	1	0	14.15	14.30	14.44	15.5	1
20	16QAM	1	49	14.60	14.56	14.54		
20	16QAM	1	99	14.28	14.39	14.26		
20	16QAM	50	0	13.43	13.35	13.16	14.5	2
20	16QAM	50	24	13.21	13.30	13.33		
20	16QAM	50	50	13.14	13.37	13.32		
20	16QAM	100	0	13.13	13.31	13.20		
20	64QAM	1	0	13.21	13.28	13.35	14.5	2
20	64QAM	1	49	13.63	13.51	13.51		
20	64QAM	1	99	13.33	13.25	13.25		
20	64QAM	50	0	12.17	12.35	12.15	13.5	3
20	64QAM	50	24	12.28	12.29	12.32		
20	64QAM	50	50	12.12	12.38	12.29		
20	64QAM	100	0	12.17	12.36	12.20		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	15.03	15.07	15.10	16.5	0
15	QPSK	1	37	15.29	15.35	15.36		
15	QPSK	1	74	15.07	15.05	15.09		
15	QPSK	36	0	14.20	14.23	14.17	15.5	1
15	QPSK	36	20	14.26	14.28	14.28		
15	QPSK	36	39	14.16	14.26	14.26		
15	QPSK	75	0	14.20	14.24	14.21		
15	16QAM	1	0	14.30	14.39	14.30	15.5	1
15	16QAM	1	37	14.47	14.71	14.67		
15	16QAM	1	74	14.39	14.45	14.25		
15	16QAM	36	0	13.18	13.28	13.18	14.5	2
15	16QAM	36	20	13.23	13.31	13.27		
15	16QAM	36	39	13.15	13.30	13.24		
15	16QAM	75	0	13.20	13.29	13.26		
15	64QAM	1	0	13.25	13.32	13.37	14.5	2
15	64QAM	1	37	13.53	13.61	13.68		
15	64QAM	1	74	13.30	13.33	13.25		
15	64QAM	36	0	12.19	12.28	12.20	13.5	3
15	64QAM	36	20	12.27	12.32	12.30		
15	64QAM	36	39	12.18	12.30	12.28		
15	64QAM	75	0	12.20	12.28	12.23		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	15.09	15.12	15.12	16.5	0
10	QPSK	1	25	15.22	15.21	15.30		
10	QPSK	1	49	15.08	15.12	15.17		
10	QPSK	25	0	14.16	14.24	14.26	15.5	1
10	QPSK	25	12	14.20	14.23	14.30		
10	QPSK	25	25	14.17	14.29	14.25		
10	QPSK	50	0	14.19	14.26	14.29		
10	16QAM	1	0	14.33	14.43	14.36	15.5	1
10	16QAM	1	25	14.39	14.63	14.52		
10	16QAM	1	49	14.29	14.47	14.28		
10	16QAM	25	0	13.15	13.27	13.26	14.5	2
10	16QAM	25	12	13.21	13.28	13.29		
10	16QAM	25	25	13.18	13.34	13.28		
10	16QAM	50	0	13.19	13.31	13.29		
10	64QAM	1	0	13.27	13.40	13.37	14.5	2
10	64QAM	1	25	13.45	13.42	13.42		
10	64QAM	1	49	13.30	13.40	13.34		
10	64QAM	25	0	12.19	12.29	12.27	13.5	3
10	64QAM	25	12	12.23	12.30	12.32		
10	64QAM	25	25	12.21	12.33	12.28		
10	64QAM	50	0	12.20	12.29	12.28		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	15.28	15.28	15.30	16.5	0
5	QPSK	1	12	15.12	15.03	15.05		
5	QPSK	1	24	15.01	15.03	15.04		
5	QPSK	12	0	14.08	14.15	14.16	15.5	1
5	QPSK	12	7	14.16	14.20	14.25		
5	QPSK	12	13	14.12	14.18	14.17		
5	QPSK	25	0	14.11	14.17	14.20		
5	16QAM	1	0	14.17	14.39	14.31	15.5	1
5	16QAM	1	12	14.45	14.62	14.49		
5	16QAM	1	24	14.18	14.33	14.20		
5	16QAM	12	0	13.10	13.23	13.22	14.5	2
5	16QAM	12	7	13.17	13.29	13.31		
5	16QAM	12	13	13.15	13.23	13.19		
5	16QAM	25	0	13.12	13.27	13.26		
5	64QAM	1	0	13.15	13.34	13.26	14.5	2
5	64QAM	1	12	13.40	13.55	13.57		
5	64QAM	1	24	13.19	13.29	13.27		
5	64QAM	12	0	12.14	12.26	12.24	13.5	3
5	64QAM	12	7	12.25	12.28	12.30		
5	64QAM	12	13	12.20	12.29	12.26		
5	64QAM	25	0	12.14	12.26	12.26		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	15.08	15.12	15.11	16.5	0
3	QPSK	1	8	15.13	15.10	15.16		
3	QPSK	1	14	15.09	15.09	15.16		
3	QPSK	8	0	14.09	14.14	14.19	15.5	1
3	QPSK	8	4	14.13	14.18	14.21		
3	QPSK	8	7	14.11	14.13	14.19		
3	QPSK	15	0	14.13	14.15	14.22		
3	16QAM	1	0	14.26	14.35	14.35	15.5	1
3	16QAM	1	8	14.32	14.44	14.28		
3	16QAM	1	14	14.23	14.46	14.42		
3	16QAM	8	0	13.17	13.27	13.30	14.5	2
3	16QAM	8	4	13.22	13.32	13.32		
3	16QAM	8	7	13.20	13.28	13.28		
3	16QAM	15	0	13.16	13.22	13.24		
3	64QAM	1	0	13.20	13.29	13.37	14.5	2
3	64QAM	1	8	13.25	13.41	13.38		
3	64QAM	1	14	13.25	13.40	13.35		
3	64QAM	8	0	12.21	12.24	12.29	13.5	3
3	64QAM	8	4	12.24	12.24	12.33		
3	64QAM	8	7	12.19	12.23	12.26		
3	64QAM	15	0	12.16	12.19	12.22		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	15.04	15.06	15.13	16.5	0
1.4	QPSK	1	3	15.16	15.17	15.26		
1.4	QPSK	1	5	15.03	15.09	15.12		
1.4	QPSK	3	0	15.15	15.20	15.23		
1.4	QPSK	3	1	15.22	15.22	15.29		
1.4	QPSK	3	3	15.13	15.20	15.22		
1.4	QPSK	6	0	14.16	14.20	14.25	15.5	1
1.4	16QAM	1	0	14.16	14.44	14.26	15.5	1
1.4	16QAM	1	3	14.37	14.60	14.46		
1.4	16QAM	1	5	14.17	14.34	14.42		
1.4	16QAM	3	0	14.12	14.22	14.14		
1.4	16QAM	3	1	14.09	14.19	14.26		
1.4	16QAM	3	3	14.08	14.17	14.15		
1.4	16QAM	6	0	13.31	13.35	13.35	14.5	2
1.4	64QAM	1	0	13.24	13.40	13.31	14.5	2
1.4	64QAM	1	3	13.28	13.46	13.40		
1.4	64QAM	1	5	13.21	13.29	13.27		
1.4	64QAM	3	0	13.32	13.35	13.34		
1.4	64QAM	3	1	13.29	13.39	13.43		
1.4	64QAM	3	3	13.27	13.32	13.32		
1.4	64QAM	6	0	12.18	12.21	12.30	13.5	3

Band 66

BW [MHz]	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	16.01	16.45	16.19	17.5	0
20	QPSK	1	49	16.21	16.42	16.26		
20	QPSK	1	99	16.00	16.01	16.00		
20	QPSK	50	0	15.17	15.32	15.16	16.5	1
20	QPSK	50	24	15.28	15.27	15.22		
20	QPSK	50	50	15.26	15.19	15.08		
20	QPSK	100	0	15.29	15.30	15.10		
20	16QAM	1	0	15.22	15.48	15.65	16.5	1
20	16QAM	1	49	15.63	15.34	15.35		
20	16QAM	1	99	15.19	15.45	15.32		
20	16QAM	50	0	14.43	14.39	14.24	15.5	2
20	16QAM	50	24	14.35	14.28	14.22		
20	16QAM	50	50	14.31	14.18	14.10		
20	16QAM	100	0	14.38	14.23	14.29		
20	64QAM	1	0	14.61	14.36	14.47	15.5	2
20	64QAM	1	49	14.63	14.83	14.73		
20	64QAM	1	99	14.52	14.57	14.52		
20	64QAM	50	0	13.58	13.55	13.46	14.5	3
20	64QAM	50	24	13.55	13.50	13.57		
20	64QAM	50	50	13.57	13.35	13.35		
20	64QAM	100	0	13.59	13.34	13.44		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	16.16	16.07	16.08	17.5	0
15	QPSK	1	37	16.24	16.42	16.30		
15	QPSK	1	74	16.00	16.00	16.34		
15	QPSK	36	0	15.25	15.27	15.27	16.5	1
15	QPSK	36	20	15.23	15.29	15.20		
15	QPSK	36	39	15.24	15.15	15.14		
15	QPSK	75	0	15.27	15.16	15.13		
15	16QAM	1	0	15.25	15.52	15.69	16.5	1
15	16QAM	1	37	15.71	15.53	15.65		
15	16QAM	1	74	15.28	15.44	15.24		
15	16QAM	36	0	14.37	14.33	14.29	15.5	2
15	16QAM	36	20	14.30	14.26	14.30		
15	16QAM	36	39	14.34	14.32	14.20		
15	16QAM	75	0	14.32	14.30	14.32		
15	64QAM	1	0	14.38	14.41	14.51	15.5	2
15	64QAM	1	37	14.65	14.55	14.74		
15	64QAM	1	74	14.74	14.43	14.63		
15	64QAM	36	0	13.38	13.40	13.50	14.5	3
15	64QAM	36	20	13.52	13.51	13.42		
15	64QAM	36	39	13.49	13.41	13.42		
15	64QAM	75	0	13.54	13.37	13.47		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	16.11	16.19	16.17	17.5	0
10	QPSK	1	25	16.25	16.28	16.34		
10	QPSK	1	49	16.04	16.12	16.08		
10	QPSK	25	0	15.31	15.24	15.38	16.5	1
10	QPSK	25	12	15.28	15.22	15.19		
10	QPSK	25	25	15.31	15.16	15.26		
10	QPSK	50	0	15.31	15.28	15.27		
10	16QAM	1	0	15.63	15.45	15.27	16.5	1
10	16QAM	1	25	15.34	15.68	15.44		
10	16QAM	1	49	15.63	15.34	15.45		
10	16QAM	25	0	14.20	14.42	14.20	15.5	2
10	16QAM	25	12	14.36	14.24	14.41		
10	16QAM	25	25	14.29	14.28	14.28		
10	16QAM	50	0	14.36	14.30	14.27		
10	64QAM	1	0	14.69	14.45	14.54	15.5	2
10	64QAM	1	25	14.64	14.60	14.74		
10	64QAM	1	49	14.47	14.35	14.41		
10	64QAM	25	0	13.51	13.49	13.55	14.5	3
10	64QAM	25	12	13.55	13.56	13.45		
10	64QAM	25	25	13.58	13.54	13.56		
10	64QAM	50	0	13.49	13.52	13.44		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	16.23	16.34	16.34	17.5	0
5	QPSK	1	12	16.22	16.39	16.41		
5	QPSK	1	24	16.31	16.11	16.34		
5	QPSK	12	0	15.31	15.27	15.29	16.5	1
5	QPSK	12	7	15.21	15.34	15.27		
5	QPSK	12	13	15.22	15.18	15.21		
5	QPSK	25	0	15.22	15.25	15.18		
5	16QAM	1	0	15.48	15.30	15.24	16.5	1
5	16QAM	1	12	15.65	15.56	15.49		
5	16QAM	1	24	15.49	15.32	15.26		
5	16QAM	12	0	14.27	14.20	14.30	15.5	2
5	16QAM	12	7	14.41	14.38	14.24		
5	16QAM	12	13	14.26	14.31	14.13		
5	16QAM	25	0	14.32	14.30	14.37		
5	64QAM	1	0	14.82	14.62	14.73	15.5	2
5	64QAM	1	12	14.84	14.99	14.71		
5	64QAM	1	24	14.50	14.74	14.73		
5	64QAM	12	0	13.49	13.45	13.63	14.5	3
5	64QAM	12	7	13.42	13.63	13.63		
5	64QAM	12	13	13.69	13.51	13.67		
5	64QAM	25	0	13.66	13.55	13.61		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	16.19	16.12	16.18	17.5	0
3	QPSK	1	8	16.17	16.16	16.25		
3	QPSK	1	14	16.19	16.06	16.04		
3	QPSK	8	0	15.25	15.14	15.28	16.5	1
3	QPSK	8	4	15.19	15.19	15.25		
3	QPSK	8	7	15.28	15.13	15.22		
3	QPSK	15	0	15.24	15.26	15.19		
3	16QAM	1	0	15.20	15.26	15.54	16.5	1
3	16QAM	1	8	15.26	15.28	15.45		
3	16QAM	1	14	15.35	15.31	15.64		
3	16QAM	8	0	14.30	14.35	14.38	15.5	2
3	16QAM	8	4	14.38	14.48	14.38		
3	16QAM	8	7	14.25	14.39	14.19		
3	16QAM	15	0	14.37	14.16	14.38		
3	64QAM	1	0	14.32	14.35	14.52	15.5	2
3	64QAM	1	8	14.64	14.47	14.54		
3	64QAM	1	14	14.54	14.31	14.52		
3	64QAM	8	0	13.62	13.57	13.51	14.5	3
3	64QAM	8	4	13.65	13.55	13.62		
3	64QAM	8	7	13.52	13.62	13.54		
3	64QAM	15	0	13.65	13.50	13.58		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	16.16	16.16	16.13	17.5	0
1.4	QPSK	1	3	16.20	16.23	16.23		
1.4	QPSK	1	5	16.10	16.12	16.23		
1.4	QPSK	3	0	16.25	16.13	16.12		
1.4	QPSK	3	1	16.14	16.11	16.24		
1.4	QPSK	3	3	16.13	16.18	16.06		
1.4	QPSK	6	0	15.20	15.15	15.25	16.5	1
1.4	16QAM	1	0	15.38	15.23	15.54	16.5	1
1.4	16QAM	1	3	15.36	15.31	15.66		
1.4	16QAM	1	5	15.28	15.19	15.52		
1.4	16QAM	3	0	15.19	15.22	15.24		
1.4	16QAM	3	1	15.18	15.23	15.25		
1.4	16QAM	3	3	15.26	15.01	15.01		
1.4	16QAM	6	0	14.38	14.31	14.46	15.5	2
1.4	64QAM	1	0	14.48	14.84	14.40	15.5	2
1.4	64QAM	1	3	14.57	14.58	14.73		
1.4	64QAM	1	5	14.50	14.51	14.78		
1.4	64QAM	3	0	14.47	14.51	14.70		
1.4	64QAM	3	1	14.49	14.48	14.78		
1.4	64QAM	3	3	14.49	14.49	14.74		
1.4	64QAM	6	0	13.49	13.57	13.63	14.5	3

Reduced Power Mode for Hotspot on-UAT(EN-DC)

Band 2 (1900MHz Band) Part 24E

BW [MHz]	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	14.30	14.35	14.18	15.5	0
20	QPSK	1	49	13.96	14.03	14.03		
20	QPSK	1	99	14.05	14.03	13.94		
20	QPSK	50	0	12.97	13.10	13.04	14.5	1
20	QPSK	50	24	13.05	13.00	12.98		
20	QPSK	50	50	12.97	12.77	12.94		
20	QPSK	100	0	13.02	13.05	13.01		
20	16QAM	1	0	12.94	12.98	13.16	14.5	1
20	16QAM	1	49	13.36	13.24	13.21		
20	16QAM	1	99	12.95	12.90	12.92		
20	16QAM	50	0	11.97	12.03	12.04	13.5	2
20	16QAM	50	24	12.01	11.91	11.99		
20	16QAM	50	50	11.90	11.86	11.92		
20	16QAM	100	0	11.93	11.94	11.98		
20	64QAM	1	0	12.05	12.00	12.27	13.5	2
20	64QAM	1	49	12.18	12.12	12.23		
20	64QAM	1	99	11.99	12.03	11.82		
20	64QAM	50	0	11.18	11.36	11.32	12.5	3
20	64QAM	50	24	11.26	11.29	11.34		
20	64QAM	50	50	11.18	11.12	11.16		
20	64QAM	100	0	11.26	11.21	11.23		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	13.97	13.95	13.86	15.5	0
15	QPSK	1	37	13.95	13.97	13.99		
15	QPSK	1	74	13.86	13.80	13.75		
15	QPSK	36	0	12.96	12.97	13.00	14.5	1
15	QPSK	36	20	12.94	12.94	13.03		
15	QPSK	36	39	12.96	12.95	13.05		
15	QPSK	75	0	14.01	13.97	13.85		
15	16QAM	1	0	13.10	13.09	12.99	14.5	1
15	16QAM	1	37	13.44	13.01	13.06		
15	16QAM	1	74	13.05	12.97	13.04		
15	16QAM	36	0	12.00	11.96	12.00	13.5	2
15	16QAM	36	20	12.09	11.97	11.88		
15	16QAM	36	39	12.01	11.95	11.91		
15	16QAM	75	0	12.89	13.08	12.82		
15	64QAM	1	0	12.31	12.29	12.06	13.5	2
15	64QAM	1	37	12.36	12.20	12.23		
15	64QAM	1	74	12.46	12.30	12.07		
15	64QAM	36	0	11.23	11.28	11.28	12.5	3
15	64QAM	36	20	11.21	11.29	11.24		
15	64QAM	36	39	11.23	11.22	11.27		
15	64QAM	75	0	11.46	11.57	11.36		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	13.97	13.92	13.83	15.5	0
10	QPSK	1	25	14.05	14.05	14.05		
10	QPSK	1	49	13.88	13.81	13.79		
10	QPSK	25	0	13.07	13.01	12.98	14.5	1
10	QPSK	25	12	13.06	12.98	13.03		
10	QPSK	25	25	13.01	13.03	12.91		
10	QPSK	50	0	12.94	13.07	13.02		
10	16QAM	1	0	12.96	12.87	13.05	14.5	1
10	16QAM	1	25	13.06	12.95	13.06		
10	16QAM	1	49	12.92	12.77	13.04		
10	16QAM	25	0	12.01	12.00	11.97	13.5	2
10	16QAM	25	12	11.90	11.85	11.92		
10	16QAM	25	25	12.04	11.92	11.95		
10	16QAM	50	0	11.87	12.02	11.99		
10	64QAM	1	0	12.34	12.34	12.22	13.5	2
10	64QAM	1	25	12.44	12.32	12.23		
10	64QAM	1	49	12.31	12.08	12.28		
10	64QAM	25	0	11.19	11.32	11.38	12.5	3
10	64QAM	25	12	11.20	11.20	11.33		
10	64QAM	25	25	11.11	11.22	11.14		
10	64QAM	50	0	11.25	11.32	11.17		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	13.83	13.78	13.75	15.5	0
5	QPSK	1	12	14.24	14.20	13.96		
5	QPSK	1	24	13.85	13.83	13.77		
5	QPSK	12	0	12.95	12.93	12.89	14.5	1
5	QPSK	12	7	13.04	12.96	13.05		
5	QPSK	12	13	12.98	13.08	12.90		
5	QPSK	25	0	12.96	13.03	12.86		
5	16QAM	1	0	13.06	13.06	13.12	14.5	1
5	16QAM	1	12	13.26	13.45	13.26		
5	16QAM	1	24	13.08	13.02	12.95		
5	16QAM	12	0	11.81	11.94	12.00	13.5	2
5	16QAM	12	7	11.89	12.04	12.07		
5	16QAM	12	13	11.87	12.00	11.99		
5	16QAM	25	0	12.04	11.99	11.94		
5	64QAM	1	0	12.24	12.24	12.21	13.5	2
5	64QAM	1	12	12.43	12.63	12.45		
5	64QAM	1	24	12.23	12.21	12.28		
5	64QAM	12	0	11.26	11.11	11.28	12.5	3
5	64QAM	12	7	11.18	11.30	11.34		
5	64QAM	12	13	11.33	11.22	11.30		
5	64QAM	25	0	11.14	11.23	11.26		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	13.94	14.03	13.91	15.5	0
3	QPSK	1	8	13.96	13.94	13.94		
3	QPSK	1	14	14.06	13.94	14.00		
3	QPSK	8	0	13.01	12.99	12.88	14.5	1
3	QPSK	8	4	12.99	13.01	12.95		
3	QPSK	8	7	13.03	13.10	12.90		
3	QPSK	15	0	13.02	12.97	13.01		
3	16QAM	1	0	13.01	13.07	13.03	14.5	1
3	16QAM	1	8	13.32	12.98	13.01		
3	16QAM	1	14	13.33	13.34	13.43		
3	16QAM	8	0	11.99	12.04	12.01	13.5	2
3	16QAM	8	4	12.07	12.09	12.06		
3	16QAM	8	7	12.14	12.06	12.10		
3	16QAM	15	0	11.85	12.00	11.98		
3	64QAM	1	0	12.12	12.34	12.45	13.5	2
3	64QAM	1	8	12.55	12.44	12.34		
3	64QAM	1	14	12.33	12.38	12.32		
3	64QAM	8	0	11.42	11.30	11.33	12.5	3
3	64QAM	8	4	11.40	11.33	11.33		
3	64QAM	8	7	11.25	11.16	11.26		
3	64QAM	15	0	11.20	11.17	11.29		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	13.97	13.93	13.85	15.5	0
1.4	QPSK	1	3	14.21	14.19	14.10		
1.4	QPSK	1	5	13.98	13.99	13.81		
1.4	QPSK	3	0	14.17	13.95	14.04		
1.4	QPSK	3	1	14.18	14.10	14.03		
1.4	QPSK	3	3	14.12	14.04	13.98		
1.4	QPSK	6	0	13.18	13.14	12.98	14.5	1
1.4	16QAM	1	0	13.08	13.39	13.03	14.5	1
1.4	16QAM	1	3	13.14	13.18	13.12		
1.4	16QAM	1	5	12.99	13.37	13.11		
1.4	16QAM	3	0	13.05	12.94	13.04		
1.4	16QAM	3	1	13.17	12.90	13.20		
1.4	16QAM	3	3	12.94	13.14	13.02		
1.4	16QAM	6	0	12.14	12.09	12.12	13.5	2
1.4	64QAM	1	0	12.43	12.19	12.28	13.5	2
1.4	64QAM	1	3	12.55	12.48	12.20		
1.4	64QAM	1	5	12.38	12.44	12.19		
1.4	64QAM	3	0	12.28	12.36	12.19		
1.4	64QAM	3	1	12.29	12.25	12.30		
1.4	64QAM	3	3	12.33	12.35	12.32		
1.4	64QAM	6	0	11.18	11.39	11.24	12.5	3

Band 66

BW [MHz]	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	15.70	15.95	15.60	17	0
20	QPSK	1	49	15.69	15.90	15.57		
20	QPSK	1	99	15.56	15.45	15.51		
20	QPSK	50	0	14.92	15.00	14.99	16	1
20	QPSK	50	24	14.97	14.86	14.88		
20	QPSK	50	50	14.78	14.81	14.86		
20	QPSK	100	0	14.85	14.90	14.83		
20	16QAM	1	0	14.88	14.81	14.69	16	1
20	16QAM	1	49	14.85	14.90	14.80		
20	16QAM	1	99	14.53	14.85	14.44		
20	16QAM	50	0	13.77	13.85	13.90	15	2
20	16QAM	50	24	13.95	13.95	14.00		
20	16QAM	50	50	13.66	13.79	13.80		
20	16QAM	100	0	13.84	13.85	13.75		
20	64QAM	1	0	13.65	13.32	13.75	15	2
20	64QAM	1	49	13.47	13.40	13.35		
20	64QAM	1	99	13.72	13.43	13.36		
20	64QAM	50	0	12.86	12.96	12.80	14	3
20	64QAM	50	24	12.85	12.97	12.97		
20	64QAM	50	50	12.85	12.97	13.00		
20	64QAM	100	0	12.92	12.85	12.90		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	15.76	15.94	15.69	17	0
15	QPSK	1	37	15.86	15.82	15.88		
15	QPSK	1	74	15.53	15.92	15.51		
15	QPSK	36	0	14.81	14.99	14.90	16	1
15	QPSK	36	20	14.97	14.92	14.93		
15	QPSK	36	39	14.85	14.92	14.95		
15	QPSK	75	0	14.93	14.97	14.95		
15	16QAM	1	0	14.89	14.93	14.86	16	1
15	16QAM	1	37	14.94	14.91	14.86		
15	16QAM	1	74	14.63	14.65	14.60		
15	16QAM	36	0	13.82	13.79	13.83	15	2
15	16QAM	36	20	13.94	13.93	13.93		
15	16QAM	36	39	13.87	13.96	13.76		
15	16QAM	75	0	14.00	13.98	13.78		
15	64QAM	1	0	13.78	13.65	13.80	15	2
15	64QAM	1	37	13.81	13.73	13.78		
15	64QAM	1	74	13.61	13.70	13.38		
15	64QAM	36	0	12.78	12.79	12.78	14	3
15	64QAM	36	20	12.87	12.89	12.78		
15	64QAM	36	39	12.79	12.87	12.58		
15	64QAM	75	0	12.81	12.69	12.59		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	15.57	15.59	15.68	17	0
10	QPSK	1	25	15.81	15.80	15.75		
10	QPSK	1	49	15.86	15.86	15.49		
10	QPSK	25	0	14.82	14.90	14.84	16	1
10	QPSK	25	12	14.75	14.90	14.80		
10	QPSK	25	25	14.78	14.98	14.89		
10	QPSK	50	0	14.73	14.98	14.90		
10	16QAM	1	0	14.62	14.53	14.60	16	1
10	16QAM	1	25	14.88	14.91	14.82		
10	16QAM	1	49	14.63	14.60	14.65		
10	16QAM	25	0	13.74	13.80	13.82	15	2
10	16QAM	25	12	13.90	13.83	13.98		
10	16QAM	25	25	13.88	13.94	13.78		
10	16QAM	50	0	13.70	13.93	14.00		
10	64QAM	1	0	13.86	13.80	13.81	15	2
10	64QAM	1	25	13.78	13.81	13.79		
10	64QAM	1	49	13.89	13.80	13.82		
10	64QAM	25	0	12.85	12.92	12.86	14	3
10	64QAM	25	12	12.80	12.94	12.89		
10	64QAM	25	25	12.82	12.91	12.79		
10	64QAM	50	0	12.95	12.92	12.90		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	15.72	15.78	15.87	17	0
5	QPSK	1	12	15.64	15.57	15.56		
5	QPSK	1	24	15.59	15.73	15.72		
5	QPSK	12	0	14.81	14.87	14.79	16	1
5	QPSK	12	7	14.75	14.82	14.78		
5	QPSK	12	13	14.85	14.76	14.62		
5	QPSK	25	0	14.86	14.84	14.75		
5	16QAM	1	0	14.39	14.77	14.76	16	1
5	16QAM	1	12	14.60	14.69	14.51		
5	16QAM	1	24	14.49	14.42	14.33		
5	16QAM	12	0	13.82	13.75	13.84	15	2
5	16QAM	12	7	13.99	13.98	13.88		
5	16QAM	12	13	13.97	13.90	13.88		
5	16QAM	25	0	13.86	13.87	13.74		
5	64QAM	1	0	13.82	13.80	13.94	15	2
5	64QAM	1	12	13.91	13.99	13.93		
5	64QAM	1	24	13.90	13.85	13.92		
5	64QAM	12	0	12.86	12.82	12.91	14	3
5	64QAM	12	7	12.85	13.00	12.94		
5	64QAM	12	13	13.00	12.91	12.83		
5	64QAM	25	0	12.84	12.89	12.99		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	15.76	15.93	15.72	17	0
3	QPSK	1	8	15.71	15.85	15.77		
3	QPSK	1	14	15.66	15.85	15.72		
3	QPSK	8	0	14.98	15.00	14.96	16	1
3	QPSK	8	4	14.87	14.95	14.87		
3	QPSK	8	7	14.85	14.85	14.79		
3	QPSK	15	0	14.80	14.89	14.81		
3	16QAM	1	0	14.70	14.48	14.97	16	1
3	16QAM	1	8	14.83	14.93	14.56		
3	16QAM	1	14	14.74	14.97	14.79		
3	16QAM	8	0	13.84	14.00	13.88	15	2
3	16QAM	8	4	13.93	13.86	13.93		
3	16QAM	8	7	13.91	13.96	13.78		
3	16QAM	15	0	13.56	13.67	13.81		
3	64QAM	1	0	13.98	13.80	13.97	15	2
3	64QAM	1	8	13.95	13.98	13.91		
3	64QAM	1	14	13.86	13.89	13.88		
3	64QAM	8	0	12.87	12.88	12.88	14	3
3	64QAM	8	4	12.87	12.92	12.94		
3	64QAM	8	7	12.89	12.81	12.85		
3	64QAM	15	0	12.99	12.85	12.85		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	15.70	15.83	15.59	17	0
1.4	QPSK	1	3	15.86	15.84	15.62		
1.4	QPSK	1	5	15.64	15.78	15.74		
1.4	QPSK	3	0	15.80	15.76	15.71		
1.4	QPSK	3	1	15.75	15.92	15.77		
1.4	QPSK	3	3	15.72	15.92	15.76		
1.4	QPSK	6	0	14.76	14.90	14.68	16	1
1.4	16QAM	1	0	14.95	14.78	14.93	16	1
1.4	16QAM	1	3	14.98	14.78	14.58		
1.4	16QAM	1	5	14.96	14.61	14.73		
1.4	16QAM	3	0	14.75	14.72	14.83		
1.4	16QAM	3	1	14.71	14.99	14.78		
1.4	16QAM	3	3	14.49	14.70	14.56		
1.4	16QAM	6	0	13.66	13.73	13.78	15	2
1.4	64QAM	1	0	13.85	13.73	13.87	15	2
1.4	64QAM	1	3	13.83	13.87	13.93		
1.4	64QAM	1	5	13.91	13.70	13.92		
1.4	64QAM	3	0	13.85	13.82	13.69		
1.4	64QAM	3	1	14.00	13.80	13.98		
1.4	64QAM	3	3	13.86	13.69	13.63		
1.4	64QAM	6	0	12.76	12.70	12.75	14	3

Reduced Power Mode for Handheld on-UAT(EN-DC)

Band 2 (1900MHz Band) Part 24E

BW [MHz]	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	17.70	17.74	17.54	19	0
20	QPSK	1	49	17.68	17.62	17.45		
20	QPSK	1	99	17.63	17.57	17.30		
20	QPSK	50	0	16.80	16.84	16.73	18	1
20	QPSK	50	24	16.73	16.71	16.61		
20	QPSK	50	50	16.71	16.70	16.64		
20	QPSK	100	0	16.70	16.72	16.63		
20	16QAM	1	0	17.08	17.05	17.00	18	1
20	16QAM	1	49	16.76	16.87	16.70		
20	16QAM	1	99	16.86	16.91	16.89		
20	16QAM	50	0	15.68	15.68	15.57	17	2
20	16QAM	50	24	15.60	15.61	15.68		
20	16QAM	50	50	15.62	15.60	15.51		
20	16QAM	100	0	15.58	15.57	15.52		
20	64QAM	1	0	15.94	15.96	15.99	17	2
20	64QAM	1	49	15.75	15.79	15.82		
20	64QAM	1	99	15.84	15.89	15.90		
20	64QAM	50	0	15.06	15.10	15.11	16	3
20	64QAM	50	24	15.03	15.11	15.07		
20	64QAM	50	50	15.01	15.08	15.00		
20	64QAM	100	0	15.03	15.20	15.06		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	17.57	17.53	17.41	19	0
15	QPSK	1	37	17.52	17.58	17.32		
15	QPSK	1	74	17.50	17.38	17.16		
15	QPSK	36	0	16.55	16.46	16.45	18	1
15	QPSK	36	20	16.56	16.51	16.40		
15	QPSK	36	39	16.51	16.46	16.38		
15	QPSK	75	0	16.38	16.54	16.46		
15	16QAM	1	0	16.75	16.62	16.75	18	1
15	16QAM	1	37	16.29	16.32	16.37		
15	16QAM	1	74	16.51	16.64	16.55		
15	16QAM	36	0	15.40	15.42	15.41	17	2
15	16QAM	36	20	15.36	15.50	15.37		
15	16QAM	36	39	15.34	15.46	15.34		
15	16QAM	75	0	15.32	15.36	15.33		
15	64QAM	1	0	15.66	15.62	15.66	17	2
15	64QAM	1	37	15.79	15.89	15.87		
15	64QAM	1	74	15.52	15.64	15.51		
15	64QAM	36	0	14.61	14.50	14.49	16	3
15	64QAM	36	20	14.51	14.51	14.56		
15	64QAM	36	39	14.50	14.47	14.46		
15	64QAM	75	0	14.49	14.56	14.45		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	17.46	17.51	17.43	19	0
10	QPSK	1	25	17.27	17.33	17.05		
10	QPSK	1	49	17.42	17.43	17.08		
10	QPSK	25	0	16.49	16.45	16.44	18	1
10	QPSK	25	12	16.48	16.48	16.45		
10	QPSK	25	25	16.41	16.45	16.35		
10	QPSK	50	0	16.50	16.49	16.43		
10	16QAM	1	0	16.74	16.63	16.74	18	1
10	16QAM	1	25	16.61	16.61	16.59		
10	16QAM	1	49	16.53	16.64	16.55		
10	16QAM	25	0	15.37	15.41	15.41	17	2
10	16QAM	25	12	15.37	15.47	15.43		
10	16QAM	25	25	15.37	15.46	15.35		
10	16QAM	50	0	15.30	15.51	15.40		
10	64QAM	1	0	15.61	15.67	15.66	17	2
10	64QAM	1	25	15.26	15.36	15.42		
10	64QAM	1	49	15.58	15.70	15.57		
10	64QAM	25	0	14.47	14.49	14.59	16	3
10	64QAM	25	12	14.46	14.53	14.46		
10	64QAM	25	25	14.43	14.48	14.47		
10	64QAM	50	0	14.40	14.53	14.53		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	17.58	17.47	17.22	19	0
5	QPSK	1	12	17.10	17.18	17.23		
5	QPSK	1	24	17.37	17.57	17.23		
5	QPSK	12	0	16.60	16.57	16.51	18	1
5	QPSK	12	7	16.48	16.52	16.39		
5	QPSK	12	13	16.53	16.51	16.33		
5	QPSK	25	0	16.53	16.54	16.36		
5	16QAM	1	0	16.76	16.70	16.70	18	1
5	16QAM	1	12	16.35	16.31	16.33		
5	16QAM	1	24	16.71	16.71	16.54		
5	16QAM	12	0	15.52	15.52	15.38	17	2
5	16QAM	12	7	15.50	15.51	15.33		
5	16QAM	12	13	15.49	15.46	15.31		
5	16QAM	25	0	15.48	15.47	15.26		
5	64QAM	1	0	15.72	15.68	15.68	17	2
5	64QAM	1	12	15.49	15.46	15.35		
5	64QAM	1	24	15.82	15.66	15.61		
5	64QAM	12	0	14.61	14.52	14.51	16	3
5	64QAM	12	7	14.56	14.48	14.47		
5	64QAM	12	13	14.62	14.54	14.58		
5	64QAM	25	0	14.56	14.45	14.45		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	17.51	17.46	17.22	19	0
3	QPSK	1	8	17.54	17.48	17.33		
3	QPSK	1	14	17.47	17.53	17.17		
3	QPSK	8	0	16.41	16.46	16.38	18	1
3	QPSK	8	4	16.50	16.44	16.34		
3	QPSK	8	7	16.55	16.45	16.32		
3	QPSK	15	0	16.53	16.45	16.35		
3	16QAM	1	0	16.68	16.71	16.62	18	1
3	16QAM	1	8	16.40	16.45	16.39		
3	16QAM	1	14	16.84	16.85	16.58		
3	16QAM	8	0	15.38	15.35	15.25	17	2
3	16QAM	8	4	15.43	15.41	15.26		
3	16QAM	8	7	15.40	15.48	15.27		
3	16QAM	15	0	15.50	15.53	15.28		
3	64QAM	1	0	15.74	15.77	15.75	17	2
3	64QAM	1	8	15.82	15.85	15.85		
3	64QAM	1	14	15.76	15.77	15.60		
3	64QAM	8	0	14.52	14.47	14.46	16	3
3	64QAM	8	4	14.49	14.49	14.46		
3	64QAM	8	7	14.44	14.45	14.45		
3	64QAM	15	0	14.49	14.53	14.46		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	17.58	17.56	17.27	19	0
1.4	QPSK	1	3	17.28	17.36	17.09		
1.4	QPSK	1	5	17.54	17.50	17.20		
1.4	QPSK	3	0	17.02	17.01	17.04		
1.4	QPSK	3	1	17.13	17.08	17.01		
1.4	QPSK	3	3	17.13	17.11	17.00		
1.4	QPSK	6	0	16.47	16.47	16.25	18	1
1.4	16QAM	1	0	16.86	16.72	16.61	18	1
1.4	16QAM	1	3	16.69	16.72	16.60		
1.4	16QAM	1	5	16.84	16.86	16.71		
1.4	16QAM	3	0	16.57	16.53	16.32		
1.4	16QAM	3	1	16.51	16.47	16.34		
1.4	16QAM	3	3	16.44	16.39	16.26		
1.4	16QAM	6	0	15.44	15.44	15.25	17	2
1.4	64QAM	1	0	15.75	15.72	15.71	17	2
1.4	64QAM	1	3	15.45	15.34	15.40		
1.4	64QAM	1	5	15.79	15.73	15.74		
1.4	64QAM	3	0	15.67	15.61	15.51		
1.4	64QAM	3	1	15.43	15.43	15.42		
1.4	64QAM	3	3	15.56	15.53	15.38		
1.4	64QAM	6	0	14.53	14.48	14.44	16	3

Band 66

BW [MHz]	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	18.07	18.27	18.25	20	0
20	QPSK	1	49	18.01	18.10	18.06		
20	QPSK	1	99	18.05	18.01	18.05		
20	QPSK	50	0	17.05	17.19	17.10	19	1
20	QPSK	50	24	17.05	17.06	17.07		
20	QPSK	50	50	17.10	17.03	17.10		
20	QPSK	100	0	17.01	17.10	17.09		
20	16QAM	1	0	17.44	17.47	17.60	19	1
20	16QAM	1	49	17.18	17.35	17.30		
20	16QAM	1	99	17.23	17.29	17.39		
20	16QAM	50	0	16.04	16.13	16.07	18	2
20	16QAM	50	24	16.05	16.09	16.00		
20	16QAM	50	50	16.10	16.06	16.08		
20	16QAM	100	0	16.06	16.11	16.00		
20	64QAM	1	0	16.28	16.44	16.36	18	2
20	64QAM	1	49	16.03	16.10	16.14		
20	64QAM	1	99	16.17	16.24	16.39		
20	64QAM	50	0	15.00	15.19	15.16	17	3
20	64QAM	50	24	15.02	15.10	15.04		
20	64QAM	50	50	15.01	15.09	15.05		
20	64QAM	100	0	15.01	15.11	15.03		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	18.00	18.08	18.04	20	0
15	QPSK	1	37	18.05	18.03	18.01		
15	QPSK	1	74	18.01	18.05	18.00		
15	QPSK	36	0	17.03	17.06	17.19	19	1
15	QPSK	36	20	17.01	17.19	17.25		
15	QPSK	36	39	17.02	17.06	17.11		
15	QPSK	75	0	17.06	17.08	17.19		
15	16QAM	1	0	17.29	17.37	17.37	19	1
15	16QAM	1	37	17.05	17.10	17.01		
15	16QAM	1	74	17.13	17.18	17.21		
15	16QAM	36	0	16.10	16.21	16.33	18	2
15	16QAM	36	20	16.09	16.31	16.26		
15	16QAM	36	39	16.09	16.21	16.21		
15	16QAM	75	0	16.04	16.29	16.15		
15	64QAM	1	0	16.22	16.31	16.35	18	2
15	64QAM	1	37	16.04	16.08	16.00		
15	64QAM	1	74	16.03	16.11	16.21		
15	64QAM	36	0	15.06	15.05	15.18	17	3
15	64QAM	36	20	15.05	15.19	15.09		
15	64QAM	36	39	15.00	15.02	15.05		
15	64QAM	75	0	15.07	15.04	15.04		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	18.09	18.14	18.18	20	0
10	QPSK	1	25	18.02	18.10	18.06		
10	QPSK	1	49	18.05	18.02	18.01		
10	QPSK	25	0	17.10	17.19	17.20	19	1
10	QPSK	25	12	17.06	17.18	17.09		
10	QPSK	25	25	17.03	17.17	17.09		
10	QPSK	50	0	17.04	17.15	17.11		
10	16QAM	1	0	17.25	17.43	17.44	19	1
10	16QAM	1	25	17.07	17.15	17.26		
10	16QAM	1	49	17.12	17.23	17.27		
10	16QAM	25	0	16.00	16.06	16.21	18	2
10	16QAM	25	12	16.02	16.04	16.04		
10	16QAM	25	25	16.01	16.04	16.03		
10	16QAM	50	0	16.06	16.07	16.01		
10	64QAM	1	0	16.22	16.31	16.40	18	2
10	64QAM	1	25	16.08	16.05	16.06		
10	64QAM	1	49	16.08	16.20	16.24		
10	64QAM	25	0	15.04	15.08	15.08	17	3
10	64QAM	25	12	15.03	15.05	15.02		
10	64QAM	25	25	15.10	15.13	15.03		
10	64QAM	50	0	15.11	15.01	15.06		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	18.03	18.08	18.15	20	0
5	QPSK	1	12	18.03	18.05	18.07		
5	QPSK	1	24	18.02	18.04	18.05		
5	QPSK	12	0	17.05	17.11	17.23	19	1
5	QPSK	12	7	17.04	17.10	17.06		
5	QPSK	12	13	17.09	17.14	17.08		
5	QPSK	25	0	17.10	17.09	17.07		
5	16QAM	1	0	17.37	17.35	17.40	19	1
5	16QAM	1	12	17.08	17.01	17.00		
5	16QAM	1	24	17.20	17.29	17.37		
5	16QAM	12	0	16.02	16.12	16.05	18	2
5	16QAM	12	7	16.00	16.05	16.01		
5	16QAM	12	13	16.02	16.08	16.10		
5	16QAM	25	0	16.04	16.02	16.01		
5	64QAM	1	0	16.20	16.25	16.34	18	2
5	64QAM	1	12	16.11	16.14	16.22		
5	64QAM	1	24	16.15	16.20	16.25		
5	64QAM	12	0	15.00	15.09	15.04	17	3
5	64QAM	12	7	15.04	15.06	15.03		
5	64QAM	12	13	15.00	15.07	15.10		
5	64QAM	25	0	15.09	15.04	15.04		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	18.02	18.10	18.04	20	0
3	QPSK	1	8	18.01	18.10	18.09		
3	QPSK	1	14	18.00	18.07	18.04		
3	QPSK	8	0	17.00	17.05	17.02	19	1
3	QPSK	8	4	17.06	17.07	17.13		
3	QPSK	8	7	17.01	17.08	17.08		
3	QPSK	15	0	17.08	17.09	17.09		
3	16QAM	1	0	17.25	17.37	17.34	19	1
3	16QAM	1	8	17.28	17.41	17.42		
3	16QAM	1	14	17.18	17.36	17.31		
3	16QAM	8	0	16.11	16.03	16.00	18	2
3	16QAM	8	4	16.01	16.04	16.04		
3	16QAM	8	7	16.05	16.06	16.01		
3	16QAM	15	0	16.08	16.04	16.09		
3	64QAM	1	0	16.19	16.29	16.22	18	2
3	64QAM	1	8	16.21	16.31	16.26		
3	64QAM	1	14	16.15	16.40	16.22		
3	64QAM	8	0	15.11	15.21	15.02	17	3
3	64QAM	8	4	15.06	15.01	15.10		
3	64QAM	8	7	15.07	15.15	15.02		
3	64QAM	15	0	15.01	15.20	15.05		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	18.02	18.19	18.10	20	0
1.4	QPSK	1	3	18.01	18.11	18.06		
1.4	QPSK	1	5	18.12	18.14	18.10		
1.4	QPSK	3	0	18.05	18.13	18.13		
1.4	QPSK	3	1	18.10	18.04	18.06		
1.4	QPSK	3	3	18.01	18.04	18.06		
1.4	QPSK	6	0	17.11	17.03	17.04	19	1
1.4	16QAM	1	0	17.22	17.36	17.35	19	1
1.4	16QAM	1	3	17.05	17.15	17.10		
1.4	16QAM	1	5	17.26	17.37	17.35		
1.4	16QAM	3	0	17.01	17.07	17.04		
1.4	16QAM	3	1	17.06	17.07	17.10		
1.4	16QAM	3	3	17.06	17.09	17.00		
1.4	16QAM	6	0	16.11	16.00	16.01	18	2
1.4	64QAM	1	0	16.19	16.28	16.32	18	2
1.4	64QAM	1	3	16.08	16.11	16.04		
1.4	64QAM	1	5	16.16	16.30	16.33		
1.4	64QAM	3	0	16.05	16.17	16.19		
1.4	64QAM	3	1	16.11	16.07	16.06		
1.4	64QAM	3	3	16.00	16.13	16.03		
1.4	64QAM	6	0	15.04	15.08	15.17	17	3

Reduced Power Mode for Sensor On(EN-DC)

Band 2 (1900MHz Band)
Part 24E

BW [MHz]	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	16.03	16.37	16.12	17.5	0
20	QPSK	1	49	16.12	16.23	16.12		
20	QPSK	1	99	16.02	16.00	16.02		
20	QPSK	50	0	16.00	16.12	15.93	17.5	0
20	QPSK	50	24	15.93	15.93	16.01		
20	QPSK	50	50	15.90	15.99	15.98		
20	QPSK	100	0	16.03	16.09	16.02		
20	16QAM	1	0	16.07	16.27	16.20	17.5	0
20	16QAM	1	49	15.94	16.19	16.13		
20	16QAM	1	99	15.99	16.10	16.07		
20	16QAM	50	0	15.86	15.94	15.96	17.5	0
20	16QAM	50	24	15.92	15.95	16.03		
20	16QAM	50	50	15.84	16.00	16.00		
20	16QAM	100	0	15.89	15.91	16.01		
20	64QAM	1	0	16.07	16.13	16.03	17.5	0
20	64QAM	1	49	15.93	16.00	16.11		
20	64QAM	1	99	16.06	15.97	16.00		
20	64QAM	50	0	15.88	15.91	15.94	17.5	0
20	64QAM	50	24	15.92	15.91	16.02		
20	64QAM	50	50	15.89	15.95	15.95		
20	64QAM	100	0	15.87	15.89	16.00		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	15.78	16.12	15.90	17.5	0
15	QPSK	1	37	15.73	15.82	15.83		
15	QPSK	1	74	15.70	15.81	15.69		
15	QPSK	36	0	15.81	15.90	15.95	17.5	0
15	QPSK	36	20	15.89	15.94	16.01		
15	QPSK	36	39	15.87	15.95	15.97		
15	QPSK	75	0	15.87	15.91	15.93		
15	16QAM	1	0	16.18	16.00	16.19	17.5	0
15	16QAM	1	37	16.13	16.15	16.18		
15	16QAM	1	74	15.98	16.05	16.00		
15	16QAM	36	0	15.82	15.87	15.91	17.5	0
15	16QAM	36	20	15.92	15.93	15.97		
15	16QAM	36	39	15.88	15.98	15.98		
15	16QAM	75	0	15.93	15.81	15.91		
15	64QAM	1	0	15.93	16.10	15.99	17.5	0
15	64QAM	1	37	15.84	16.04	15.96		
15	64QAM	1	74	15.87	15.94	15.99		
15	64QAM	36	0	15.82	15.91	15.88	17.5	0
15	64QAM	36	20	15.91	15.91	16.00		
15	64QAM	36	39	15.88	16.03	15.98		
15	64QAM	75	0	15.89	15.90	15.92		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	15.67	15.81	15.91	17.5	0
10	QPSK	1	25	15.66	15.75	15.62		
10	QPSK	1	49	15.71	15.68	15.67		
10	QPSK	25	0	15.81	15.90	15.89	17.5	0
10	QPSK	25	12	15.84	15.93	15.92		
10	QPSK	25	25	15.85	16.00	15.99		
10	QPSK	50	0	15.90	15.92	15.90		
10	16QAM	1	0	16.16	16.36	16.30	17.5	0
10	16QAM	1	25	16.09	16.19	16.19		
10	16QAM	1	49	16.13	16.21	16.24		
10	16QAM	25	0	15.82	15.87	15.86	17.5	0
10	16QAM	25	12	15.90	15.94	15.90		
10	16QAM	25	25	15.87	15.92	15.92		
10	16QAM	50	0	15.88	15.93	15.86		
10	64QAM	1	0	16.17	16.21	16.28	17.5	0
10	64QAM	1	25	16.23	16.27	16.22		
10	64QAM	1	49	16.17	16.17	16.06		
10	64QAM	25	0	15.90	15.88	15.83	17.5	0
10	64QAM	25	12	15.90	15.90	15.91		
10	64QAM	25	25	15.84	15.98	15.93		
10	64QAM	50	0	15.85	15.87	15.87		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	15.57	15.64	15.66	17.5	0
5	QPSK	1	12	15.63	15.73	15.70		
5	QPSK	1	24	15.63	15.73	15.69		
5	QPSK	12	0	15.66	15.74	15.76	17.5	0
5	QPSK	12	7	15.68	15.79	15.78		
5	QPSK	12	13	15.68	15.82	15.80		
5	QPSK	25	0	15.66	15.72	15.79		
5	16QAM	1	0	15.93	16.03	15.99	17.5	0
5	16QAM	1	12	15.86	16.00	16.08		
5	16QAM	1	24	15.88	16.08	16.07		
5	16QAM	12	0	15.72	15.76	15.79	17.5	0
5	16QAM	12	7	15.74	15.78	15.87		
5	16QAM	12	13	15.71	15.81	15.81		
5	16QAM	25	0	15.72	15.76	15.78		
5	64QAM	1	0	15.86	15.84	15.89	17.5	0
5	64QAM	1	12	15.76	15.93	15.88		
5	64QAM	1	24	15.84	15.97	15.90		
5	64QAM	12	0	15.67	15.71	15.74	17.5	0
5	64QAM	12	7	15.72	15.75	15.78		
5	64QAM	12	13	15.72	15.79	15.80		
5	64QAM	25	0	15.71	15.75	15.80		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	15.74	15.78	15.82	17.5	0
3	QPSK	1	8	15.78	15.94	15.81		
3	QPSK	1	14	15.76	15.87	15.81		
3	QPSK	8	0	15.86	15.88	15.92	17.5	0
3	QPSK	8	4	15.89	15.92	15.98		
3	QPSK	8	7	15.85	15.97	15.90		
3	QPSK	15	0	15.87	15.91	15.90		
3	16QAM	1	0	16.10	16.13	16.20	17.5	0
3	16QAM	1	8	16.24	16.29	16.28		
3	16QAM	1	14	16.15	16.23	16.22		
3	16QAM	8	0	15.92	15.97	16.00	17.5	0
3	16QAM	8	4	15.90	15.96	16.02		
3	16QAM	8	7	15.91	16.04	16.00		
3	16QAM	15	0	15.89	15.93	15.94		
3	64QAM	1	0	16.00	16.06	16.10	17.5	0
3	64QAM	1	8	16.10	16.18	16.18		
3	64QAM	1	14	16.04	16.11	16.11		
3	64QAM	8	0	15.85	15.95	15.96	17.5	0
3	64QAM	8	4	15.85	15.89	15.98		
3	64QAM	8	7	15.86	16.02	15.96		
3	64QAM	15	0	15.88	15.90	15.94		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	15.38	15.64	15.70	17.5	0
1.4	QPSK	1	3	15.42	15.80	15.69		
1.4	QPSK	1	5	15.40	15.73	15.69		
1.4	QPSK	3	0	15.50	15.74	15.80		
1.4	QPSK	3	1	15.53	15.78	15.86		
1.4	QPSK	3	3	15.49	15.83	15.78		
1.4	QPSK	6	0	15.51	15.77	15.78	17.5	0
1.4	16QAM	1	0	15.74	15.99	16.08	17.5	0
1.4	16QAM	1	3	15.88	16.15	16.16		
1.4	16QAM	1	5	15.79	16.09	16.10		
1.4	16QAM	3	0	15.56	15.83	15.88		
1.4	16QAM	3	1	15.54	15.82	15.90		
1.4	16QAM	3	3	15.55	15.90	15.88		
1.4	16QAM	6	0	15.53	15.79	15.82	17.5	0
1.4	64QAM	1	0	15.64	15.92	15.98	17.5	0
1.4	64QAM	1	3	15.74	16.04	16.06		
1.4	64QAM	1	5	15.68	15.97	15.99		
1.4	64QAM	3	0	15.49	15.81	15.84		
1.4	64QAM	3	1	15.49	15.75	15.86		
1.4	64QAM	3	3	15.50	15.88	15.84		
1.4	64QAM	6	0	15.52	15.76	15.82	17.5	0

Band 5 (Celluar Band)
Part 22H(only on channel required)

BW [MHz]	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	21.00	21.23	21.04	22	0
10	QPSK	1	25	20.98	20.89	20.87		
10	QPSK	1	49	20.91	20.98	20.88		
10	QPSK	25	0	21.00	21.10	20.90	22	0
10	QPSK	25	12	21.08	20.97	20.87		
10	QPSK	25	25	21.03	20.99	20.85		
10	QPSK	50	0	21.07	21.09	20.88		
10	16QAM	1	0	21.00	21.16	21.07	22	0
10	16QAM	1	25	21.21	21.09	20.98		
10	16QAM	1	49	21.17	21.01	20.94		
10	16QAM	25	0	21.00	21.00	20.90	22	0
10	16QAM	25	12	21.08	20.93	20.85		
10	16QAM	25	25	21.04	20.94	20.84		
10	16QAM	50	0	21.09	20.92	20.85		
10	64QAM	1	0	21.00	21.17	21.11	22	0
10	64QAM	1	25	21.00	21.12	21.06		
10	64QAM	1	49	21.20	21.07	20.95		
10	64QAM	25	0	20.85	20.87	20.76	22	0
10	64QAM	25	12	20.98	20.88	20.73		
10	64QAM	25	25	20.92	20.84	20.69		
10	64QAM	50	0	20.93	20.82	20.70		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	20.92	21.00	20.68	22	0
5	QPSK	1	12	20.80	20.76	20.60		
5	QPSK	1	24	20.78	20.73	20.51		
5	QPSK	12	0	20.96	20.91	20.68	22	0
5	QPSK	12	7	20.93	20.84	20.67		
5	QPSK	12	13	20.89	20.83	20.61		
5	QPSK	25	0	20.92	20.80	20.63		
5	16QAM	1	0	21.00	21.12	21.01	22	0
5	16QAM	1	12	21.18	21.08	20.91		
5	16QAM	1	24	21.11	21.05	20.88		
5	16QAM	12	0	21.00	20.92	20.71	22	0
5	16QAM	12	7	20.95	20.85	20.72		
5	16QAM	12	13	20.89	20.85	20.66		
5	16QAM	25	0	20.94	20.86	20.64		
5	64QAM	1	0	21.14	21.04	20.83	22	0
5	64QAM	1	12	20.95	20.95	20.73		
5	64QAM	1	24	20.97	20.93	20.75		
5	64QAM	12	0	20.96	20.86	20.67	22	0
5	64QAM	12	7	20.93	20.82	20.73		
5	64QAM	12	13	20.91	20.80	20.60		
5	64QAM	25	0	20.94	20.81	20.63		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	21.00	21.12	20.89	22	0
3	QPSK	1	8	20.90	20.85	20.98		
3	QPSK	1	14	20.76	20.75	20.99		
3	QPSK	8	0	20.97	20.85	20.67	22	0
3	QPSK	8	4	20.95	20.84	20.67		
3	QPSK	8	7	20.88	20.85	20.60		
3	QPSK	15	0	20.91	20.79	20.68		
3	16QAM	1	0	21.19	21.07	20.94	22	0
3	16QAM	1	8	21.22	21.12	20.93		
3	16QAM	1	14	21.06	20.98	20.85		
3	16QAM	8	0	21.01	20.92	20.74	22	0
3	16QAM	8	4	20.99	20.92	20.72		
3	16QAM	8	7	20.95	20.89	20.69		
3	16QAM	15	0	20.93	20.85	20.69		
3	64QAM	1	0	21.13	21.02	20.88	22	0
3	64QAM	1	8	21.16	21.08	20.88		
3	64QAM	1	14	21.04	20.98	20.74		
3	64QAM	8	0	20.97	20.83	20.74	22	0
3	64QAM	8	4	20.92	20.82	20.71		
3	64QAM	8	7	20.92	20.84	20.64		
3	64QAM	15	0	20.89	20.79	20.66		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	20.89	20.98	20.87	22	0
1.4	QPSK	1	3	20.77	20.74	20.89		
1.4	QPSK	1	5	20.75	20.71	21.00		
1.4	QPSK	3	0	20.93	20.89	20.59		
1.4	QPSK	3	1	20.90	20.82	20.58		
1.4	QPSK	3	3	20.86	20.81	20.52		
1.4	QPSK	6	0	20.89	20.78	20.54	22	0
1.4	16QAM	1	0	20.97	21.10	20.92	22	0
1.4	16QAM	1	3	21.15	21.06	20.82		
1.4	16QAM	1	5	21.08	21.03	20.79		
1.4	16QAM	3	0	20.97	20.90	20.62		
1.4	16QAM	3	1	20.92	20.83	20.63		
1.4	16QAM	3	3	20.86	20.83	20.57		
1.4	16QAM	6	0	20.91	20.84	20.89	22	0
1.4	64QAM	1	0	21.11	21.02	20.74	22	0
1.4	64QAM	1	3	20.92	20.93	20.64		
1.4	64QAM	1	5	20.94	20.91	20.66		
1.4	64QAM	3	0	20.93	20.84	20.58		
1.4	64QAM	3	1	20.90	20.80	20.64		
1.4	64QAM	3	3	20.88	20.78	20.51		
1.4	64QAM	6	0	20.91	20.79	20.54	22	0

Band 12 (700MHz Low Band)
Part 27F(only on channel required)

BW [MHz]	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	21.84	21.96	21.83	22	0
10	QPSK	1	25	21.81	21.75	21.82		
10	QPSK	1	49	21.85	21.82	21.77		
10	QPSK	25	0	21.92	21.95	21.90	22	0
10	QPSK	25	12	21.78	21.90	21.90		
10	QPSK	25	25	21.94	21.90	21.94		
10	QPSK	50	0	21.67	21.94	21.66		
10	16QAM	1	0	21.75	21.73	21.76	22	0
10	16QAM	1	25	21.70	21.69	21.69		
10	16QAM	1	49	21.71	21.69	21.65		
10	16QAM	25	0	21.47	21.47	21.46	22	0
10	16QAM	25	12	21.56	21.44	21.51		
10	16QAM	25	25	21.48	21.44	21.42		
10	16QAM	50	0	21.51	21.46	21.52		
10	64QAM	1	0	21.83	21.67	21.66	22	0
10	64QAM	1	25	21.74	21.70	21.71		
10	64QAM	1	49	21.81	21.77	21.76		
10	64QAM	25	0	21.49	21.47	21.47	22	0
10	64QAM	25	12	21.56	21.45	21.56		
10	64QAM	25	25	21.49	21.48	21.44		
10	64QAM	50	0	21.49	21.43	21.49		
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	21.88	21.75	21.70	22	0
5	QPSK	1	12	21.80	21.82	21.79		
5	QPSK	1	24	21.80	21.78	21.71		
5	QPSK	12	0	21.96	21.86	21.80	22	0
5	QPSK	12	7	21.93	21.90	21.86		
5	QPSK	12	13	21.85	21.88	21.82		
5	QPSK	25	0	21.92	21.82	21.80		
5	16QAM	1	0	21.76	21.67	21.62	22	0
5	16QAM	1	12	21.71	21.70	21.64		
5	16QAM	1	24	21.70	21.69	21.65		
5	16QAM	12	0	21.57	21.50	21.44	22	0
5	16QAM	12	7	21.54	21.52	21.44		
5	16QAM	12	13	21.46	21.45	21.42		
5	16QAM	25	0	21.52	21.39	21.37		
5	64QAM	1	0	21.67	21.64	21.58	22	0
5	64QAM	1	12	21.65	21.63	21.59		
5	64QAM	1	24	21.63	21.61	21.53		
5	64QAM	12	0	21.50	21.42	21.42	22	0
5	64QAM	12	7	21.50	21.46	21.44		
5	64QAM	12	13	21.41	21.40	21.36		
5	64QAM	25	0	21.50	21.42	21.41		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	21.89	21.76	21.74	22	0
3	QPSK	1	8	21.83	21.81	21.77		
3	QPSK	1	14	21.78	21.76	21.68		
3	QPSK	8	0	21.94	21.79	21.74	22	0
3	QPSK	8	4	21.88	21.90	21.81		
3	QPSK	8	7	21.88	21.84	21.79		
3	QPSK	15	0	21.88	21.82	21.77		
3	16QAM	1	0	21.79	21.66	21.68	22	0
3	16QAM	1	8	21.73	21.72	21.72		
3	16QAM	1	14	21.70	21.58	21.59		
3	16QAM	8	0	21.57	21.47	21.43	22	0
3	16QAM	8	4	21.51	21.49	21.47		
3	16QAM	8	7	21.51	21.46	21.44		
3	16QAM	15	0	21.48	21.40	21.39		
3	64QAM	1	0	21.72	21.59	21.60	22	0
3	64QAM	1	8	21.71	21.68	21.63		
3	64QAM	1	14	21.59	21.61	21.52		
3	64QAM	8	0	21.51	21.42	21.34	22	0
3	64QAM	8	4	21.49	21.44	21.40		
3	64QAM	8	7	21.45	21.39	21.35		
3	64QAM	15	0	21.46	21.36	21.35		
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	21.84	21.72	21.65	22	0
1.4	QPSK	1	3	21.76	21.79	21.74		
1.4	QPSK	1	5	21.76	21.75	21.66		
1.4	QPSK	3	0	21.92	21.83	21.75		
1.4	QPSK	3	1	21.89	21.87	21.81		
1.4	QPSK	3	3	21.81	21.85	21.77		
1.4	QPSK	6	0	21.88	21.79	21.75	22	0
1.4	16QAM	1	0	21.72	21.64	21.57	22	0
1.4	16QAM	1	3	21.67	21.67	21.59		
1.4	16QAM	1	5	21.66	21.66	21.60		
1.4	16QAM	3	0	21.53	21.47	21.39		
1.4	16QAM	3	1	21.50	21.49	21.39		
1.4	16QAM	3	3	21.42	21.42	21.37		
1.4	16QAM	6	0	21.48	21.36	21.32	22	0
1.4	64QAM	1	0	21.63	21.61	21.53	22	0
1.4	64QAM	1	3	21.61	21.60	21.54		
1.4	64QAM	1	5	21.59	21.58	21.48		
1.4	64QAM	3	0	21.46	21.39	21.37		
1.4	64QAM	3	1	21.46	21.43	21.39		
1.4	64QAM	3	3	21.37	21.37	21.31		
1.4	64QAM	6	0	21.46	21.39	21.36	22	0

Band 25 (1900MHz Band) Part 24E

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26140	26340	26590		
Frequency (MHz)				1860	1880	1905		
20	QPSK	1	0	17.00	17.16	16.85	17.5	0
20	QPSK	1	49	16.98	16.71	16.75		
20	QPSK	1	99	16.89	17.11	17.00		
20	QPSK	50	0	17.05	17.14	16.88	17.5	0
20	QPSK	50	24	16.78	16.91	16.87		
20	QPSK	50	50	16.76	16.88	16.90		
20	QPSK	100	0	16.76	16.89	16.81		
20	16QAM	1	0	17.05	17.00	17.01	17.5	0
20	16QAM	1	49	16.96	17.08	17.10		
20	16QAM	1	99	17.00	16.99	17.03		
20	16QAM	50	0	16.75	16.84	16.88	17.5	0
20	16QAM	50	24	16.79	16.89	16.86		
20	16QAM	50	50	16.80	16.86	16.88		
20	16QAM	100	0	16.77	16.79	16.83		
20	64QAM	1	0	16.87	17.02	17.10	17.5	0
20	64QAM	1	49	16.85	17.02	16.86		
20	64QAM	1	99	16.94	16.89	16.99		
20	64QAM	50	0	16.72	16.85	16.87	17.5	0
20	64QAM	50	24	16.82	16.91	16.86		
20	64QAM	50	50	16.76	16.85	16.88		
20	64QAM	100	0	16.78	16.81	16.78		
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1907.5		
15	QPSK	1	0	16.53	16.67	16.71	17.5	0
15	QPSK	1	37	17.02	16.62	16.69		
15	QPSK	1	74	17.00	16.62	16.62		
15	QPSK	36	0	16.60	16.76	16.77	17.5	0
15	QPSK	36	20	16.68	16.78	16.84		
15	QPSK	36	39	16.60	16.73	16.74		
15	QPSK	75	0	16.66	16.78	16.73		
15	16QAM	1	0	16.94	16.78	17.07	17.5	0
15	16QAM	1	37	16.95	16.97	16.91		
15	16QAM	1	74	16.81	16.94	16.94		
15	16QAM	36	0	16.65	16.74	16.79	17.5	0
15	16QAM	36	20	16.70	16.77	16.82		
15	16QAM	36	39	16.58	16.72	16.79		
15	16QAM	75	0	16.68	16.81	16.71		
15	64QAM	1	0	16.71	17.05	16.90	17.5	0
15	64QAM	1	37	16.72	16.88	16.80		
15	64QAM	1	74	16.70	16.77	16.88		
15	64QAM	36	0	16.66	16.75	16.75	17.5	0
15	64QAM	36	20	16.66	16.79	16.82		
15	64QAM	36	39	16.58	16.72	16.76		
15	64QAM	75	0	16.67	16.80	16.76		
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1910		
10	QPSK	1	0	16.89	16.67	16.78	17.5	0
10	QPSK	1	25	16.87	16.66	16.77		
10	QPSK	1	49	16.88	16.78	16.67		
10	QPSK	25	0	16.39	16.41	16.42	17.5	0
10	QPSK	25	12	16.37	16.49	16.43		
10	QPSK	25	25	16.41	16.47	16.51		
10	QPSK	50	0	16.42	16.48	16.44		
10	16QAM	1	0	16.72	16.65	16.67	17.5	0
10	16QAM	1	25	16.63	16.71	16.74		
10	16QAM	1	49	16.57	16.64	16.65		
10	16QAM	25	0	16.36	16.32	16.39	17.5	0
10	16QAM	25	12	16.42	16.47	16.43		
10	16QAM	25	25	16.37	16.45	16.51		
10	16QAM	50	0	16.42	16.46	16.43		
10	64QAM	1	0	16.71	16.71	16.73	17.5	0
10	64QAM	1	25	16.76	16.78	16.74		
10	64QAM	1	49	16.66	16.68	16.81		
10	64QAM	25	0	16.41	16.39	16.46	17.5	0
10	64QAM	25	12	16.45	16.52	16.46		
10	64QAM	25	25	16.36	16.49	16.45		
10	64QAM	50	0	16.38	16.45	16.39		
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1912.5		
5	QPSK	1	0	16.82	16.81	16.40	17.5	0
5	QPSK	1	12	16.81	16.35	16.33		
5	QPSK	1	24	16.78	16.77	16.67		
5	QPSK	12	0	16.30	16.36	16.41	17.5	0
5	QPSK	12	7	16.38	16.50	16.46		
5	QPSK	12	13	16.35	16.47	16.46		
5	QPSK	25	0	16.30	16.43	16.43		
5	16QAM	1	0	16.60	16.61	16.64	17.5	0
5	16QAM	1	12	16.56	16.68	16.58		
5	16QAM	1	24	16.54	16.72	16.70		
5	16QAM	12	0	16.33	16.40	16.44	17.5	0
5	16QAM	12	7	16.38	16.50	16.49		
5	16QAM	12	13	16.35	16.49	16.49		
5	16QAM	25	0	16.30	16.43	16.47		
5	64QAM	1	0	16.47	16.50	16.61	17.5	0
5	64QAM	1	12	16.35	16.56	16.49		
5	64QAM	1	24	16.44	16.60	16.59		
5	64QAM	12	0	16.26	16.30	16.40	17.5	0
5	64QAM	12	7	16.30	16.45	16.50		
5	64QAM	12	13	16.31	16.49	16.47		
5	64QAM	25	0	16.30	16.41	16.46		
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1913.5		
3	QPSK	1	0	16.67	16.71	16.83	17.5	0
3	QPSK	1	8	16.78	16.93	17.01		
3	QPSK	1	14	16.77	16.90	16.97		
3	QPSK	8	0	16.80	16.83	16.91	17.5	0
3	QPSK	8	4	16.83	16.95	17.03		
3	QPSK	8	7	16.83	16.96	17.03		
3	QPSK	15	0	16.80	16.98	16.97		
3	16QAM	1	0	16.60	16.67	16.65	17.5	0
3	16QAM	1	8	16.71	16.77	16.78		
3	16QAM	1	14	16.61	16.81	16.84		
3	16QAM	8	0	16.41	16.44	16.49	17.5	0
3	16QAM	8	4	16.47	16.62	16.57		
3	16QAM	8	7	16.48	16.60	16.54		
3	16QAM	15	0	16.42	16.55	16.53		
3	64QAM	1	0	16.51	16.54	16.63	17.5	0
3	64QAM	1	8	16.64	16.72	16.76		
3	64QAM	1	14	16.60	16.76	16.76		
3	64QAM	8	0	16.40	16.41	16.44	17.5	0
3	64QAM	8	4	16.40	16.53	16.50		
3	64QAM	8	7	16.41	16.53	16.50		
3	64QAM	15	0	16.39	16.50	16.49		
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1914.3		
1.4	QPSK	1	0	16.78	16.78	16.35	17.5	0
1.4	QPSK	1	3	16.77	16.32	16.78		
1.4	QPSK	1	5	16.74	16.74	16.62		
1.4	QPSK	3	0	16.26	16.33	16.36		
1.4	QPSK	3	1	16.34	16.47	16.41		
1.4	QPSK	3	3	16.31	16.44	16.41		
1.4	QPSK	6	0	16.26	16.40	16.38	17.5	0
1.4	16QAM	1	0	16.56	16.58	16.59	17.5	0
1.4	16QAM	1	3	16.52	16.65	16.53		
1.4	16QAM	1	5	16.50	16.69	16.65		
1.4	16QAM	3	0	16.29	16.37	16.39		
1.4	16QAM	3	1	16.34	16.47	16.44		
1.4	16QAM	3	3	16.31	16.46	16.44		
1.4	16QAM	6	0	16.26	16.40	16.42	17.5	0
1.4	64QAM	1	0	16.43	16.47	16.56	17.5	0
1.4	64QAM	1	3	16.31	16.53	16.44		
1.4	64QAM	1	5	16.40	16.57	16.54		
1.4	64QAM	3	0	16.22	16.27	16.35		
1.4	64QAM	3	1	16.26	16.42	16.45		
1.4	64QAM	3	3	16.27	16.46	16.42		
1.4	64QAM	6	0	16.26	16.38	16.41	14.5	3

Band 66

BW [MHz]	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	16.23	16.24	16.02	16.5	0
20	QPSK	1	49	16.05	15.96	15.89		
20	QPSK	1	99	16.04	16.12	16.02		
20	QPSK	50	0	16.00	16.22	16.15	16.5	0
20	QPSK	50	24	16.12	16.04	16.07		
20	QPSK	50	50	16.10	16.17	16.09		
20	QPSK	100	0	16.20	16.02	16.08		
20	16QAM	1	0	16.14	15.93	16.00	16.5	0
20	16QAM	1	49	15.97	15.77	15.90		
20	16QAM	1	99	15.92	15.69	15.82		
20	16QAM	50	0	15.87	15.60	15.68	16.5	0
20	16QAM	50	24	15.84	15.66	15.63		
20	16QAM	50	50	15.79	15.60	15.67		
20	16QAM	100	0	15.82	15.62	15.65		
20	64QAM	1	0	16.05	16.04	15.85	16.5	0
20	64QAM	1	49	15.91	15.78	15.86		
20	64QAM	1	99	15.91	15.77	15.70		
20	64QAM	50	0	15.87	15.63	15.73	16.5	0
20	64QAM	50	24	15.80	15.68	15.71		
20	64QAM	50	50	15.76	15.61	15.67		
20	64QAM	100	0	15.82	15.71	15.66		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	16.02	15.94	15.97	16.5	0
15	QPSK	1	37	16.04	15.80	15.88		
15	QPSK	1	74	15.96	15.91	15.83		
15	QPSK	36	0	16.14	15.97	16.06	16.5	0
15	QPSK	36	20	16.08	16.03	16.04		
15	QPSK	36	39	16.04	15.96	16.02		
15	QPSK	75	0	16.05	16.03	16.01		
15	16QAM	1	0	15.86	15.76	15.77	16.5	0
15	16QAM	1	37	15.78	15.67	15.73		
15	16QAM	1	74	15.85	15.65	15.61		
15	16QAM	36	0	15.78	15.55	15.59	16.5	0
15	16QAM	36	20	15.73	15.54	15.63		
15	16QAM	36	39	15.71	15.55	15.58		
15	16QAM	75	0	15.73	15.57	15.58		
15	64QAM	1	0	15.88	15.76	15.69	16.5	0
15	64QAM	1	37	15.80	15.51	15.47		
15	64QAM	1	74	15.80	15.66	15.53		
15	64QAM	36	0	15.76	15.57	15.59	16.5	0
15	64QAM	36	20	15.76	15.57	15.60		
15	64QAM	36	39	15.72	15.52	15.56		
15	64QAM	75	0	15.78	15.59	15.55		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	15.83	16.00	15.77	16.5	0
10	QPSK	1	25	15.69	15.63	15.77		
10	QPSK	1	49	15.73	15.57	15.70		
10	QPSK	25	0	15.90	15.73	15.81	16.5	0
10	QPSK	25	12	15.89	15.78	15.81		
10	QPSK	25	25	15.79	15.76	15.85		
10	QPSK	50	0	15.90	15.79	15.78		
10	16QAM	1	0	15.77	15.64	15.74	16.5	0
10	16QAM	1	25	15.70	15.64	15.72		
10	16QAM	1	49	15.64	15.51	15.67		
10	16QAM	25	0	15.48	15.22	15.58	16.5	0
10	16QAM	25	12	15.48	15.32	15.42		
10	16QAM	25	25	15.41	15.30	15.44		
10	16QAM	50	0	15.51	15.35	15.38		
10	64QAM	1	0	15.84	15.67	15.78	16.5	0
10	64QAM	1	25	15.72	15.64	15.69		
10	64QAM	1	49	15.63	15.54	15.64		
10	64QAM	25	0	15.46	15.30	15.40	16.5	0
10	64QAM	25	12	15.54	15.42	15.41		
10	64QAM	25	25	15.42	15.30	15.45		
10	64QAM	50	0	15.49	15.34	15.37		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	16.01	15.87	15.89	16.5	0
5	QPSK	1	12	16.02	15.89	15.89		
5	QPSK	1	24	15.96	15.83	15.83		
5	QPSK	12	0	16.08	15.97	15.98	16.5	0
5	QPSK	12	7	16.12	15.96	16.00		
5	QPSK	12	13	16.06	15.95	15.96		
5	QPSK	25	0	16.05	15.94	15.94		
5	16QAM	1	0	15.85	15.80	15.79	16.5	0
5	16QAM	1	12	15.79	15.74	15.72		
5	16QAM	1	24	15.79	15.74	15.72		
5	16QAM	12	0	15.66	15.53	15.59	16.5	0
5	16QAM	12	7	15.68	15.57	15.59		
5	16QAM	12	13	15.63	15.48	15.53		
5	16QAM	25	0	15.61	15.52	15.55		
5	64QAM	1	0	15.84	15.71	15.73	16.5	0
5	64QAM	1	12	15.78	15.64	15.63		
5	64QAM	1	24	15.75	15.66	15.68		
5	64QAM	12	0	15.64	15.53	15.58	16.5	0
5	64QAM	12	7	15.65	15.53	15.56		
5	64QAM	12	13	15.61	15.50	15.55		
5	64QAM	25	0	15.70	15.48	15.56		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	15.66	15.56	15.20	16.5	0
3	QPSK	1	8	15.68	15.19	15.22		
3	QPSK	1	14	15.54	15.19	15.45		
3	QPSK	8	0	15.64	15.25	15.28	16.5	0
3	QPSK	8	4	15.68	15.27	15.27		
3	QPSK	8	7	15.66	15.23	15.24		
3	QPSK	15	0	15.73	15.29	15.25		
3	16QAM	1	0	16.01	15.65	15.59	16.5	0
3	16QAM	1	8	16.04	15.72	15.58		
3	16QAM	1	14	15.99	15.60	15.90		
3	16QAM	8	0	15.80	15.42	15.78	16.5	0
3	16QAM	8	4	15.83	15.41	15.77		
3	16QAM	8	7	15.76	15.77	15.87		
3	16QAM	15	0	15.72	15.35	15.34		
3	64QAM	1	0	15.92	15.87	15.98	16.5	0
3	64QAM	1	8	16.03	15.62	15.87		
3	64QAM	1	14	15.89	15.78	15.89		
3	64QAM	8	0	15.76	15.30	15.33	16.5	0
3	64QAM	8	4	15.77	15.32	15.33		
3	64QAM	8	7	15.72	15.28	15.33		
3	64QAM	15	0	15.68	15.26	15.29		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	15.98	15.85	15.80	16.5	0
1.4	QPSK	1	3	15.99	15.87	15.80		
1.4	QPSK	1	5	15.93	15.81	15.74		
1.4	QPSK	3	0	16.05	15.95	15.89		
1.4	QPSK	3	1	16.09	15.94	15.91		
1.4	QPSK	3	3	16.03	15.93	15.87		
1.4	QPSK	6	0	16.02	15.92	15.85	16.5	0
1.4	16QAM	1	0	15.82	15.78	15.70	16.5	0
1.4	16QAM	1	3	15.76	15.72	15.63		
1.4	16QAM	1	5	15.76	15.72	15.63		
1.4	16QAM	3	0	15.63	15.51	15.50		
1.4	16QAM	3	1	15.65	15.55	15.50		
1.4	16QAM	3	3	15.60	15.46	15.44		
1.4	16QAM	6	0	15.58	15.50	15.46	16.5	0
1.4	64QAM	1	0	15.81	15.69	15.64	16.5	0
1.4	64QAM	1	3	15.75	15.62	15.54		
1.4	64QAM	1	5	15.72	15.64	15.59		
1.4	64QAM	3	0	15.61	15.51	15.49		
1.4	64QAM	3	1	15.62	15.51	15.47		
1.4	64QAM	3	3	15.58	15.48	15.46		
1.4	64QAM	6	0	15.67	15.46	15.47	16.5	0

Band 41/ Band 41 HPUE (2.6G Band)

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	17.87	17.70	17.93	17.78	17.91	18	0
20	QPSK	1	49	17.89	17.55	17.54	17.55	17.88		
20	QPSK	1	99	17.56	17.45	17.56	17.54	17.56		
20	QPSK	50	0	17.90	17.87	17.92	17.76	17.87	18	0
20	QPSK	50	24	17.43	17.67	17.67	17.67	17.67		
20	QPSK	50	50	17.42	17.43	17.78	17.67	17.78		
20	QPSK	100	0	17.40	17.37	17.78	17.67	17.56		
20	16QAM	1	0	17.35	17.23	17.26	17.54	17.55	18	0
20	16QAM	1	49	17.34	17.27	17.21	17.19	17.26		
20	16QAM	1	99	17.33	17.32	17.25	17.45	17.26		
20	16QAM	50	0	17.38	17.31	17.24	17.15	17.21	18	0
20	16QAM	50	24	17.41	17.40	17.31	17.24	17.35		
20	16QAM	50	50	17.43	17.39	17.27	17.08	17.34		
20	16QAM	100	0	17.39	17.36	17.28	17.11	17.25		
20	64QAM	1	0	17.29	17.34	17.25	17.34	17.45	18	0
20	64QAM	1	49	17.17	17.07	17.17	17.19	17.22		
20	64QAM	1	99	17.17	17.19	17.12	17.55	17.34		
20	64QAM	50	0	17.31	17.24	17.15	17.11	17.13	18	0
20	64QAM	50	24	17.42	17.37	17.23	17.16	17.26		
20	64QAM	50	50	17.36	17.35	17.20	17.05	17.26		
20	64QAM	100	0	17.43	17.37	17.32	17.18	17.28		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	17.63	17.59	17.52	17.72	17.88	18	0
15	QPSK	1	37	17.61	17.57	17.62	17.84	17.69		
15	QPSK	1	74	17.63	17.75	17.69	17.62	17.64		
15	QPSK	36	0	17.80	17.75	17.64	17.90	17.72	18	0
15	QPSK	36	20	17.82	17.75	17.71	17.67	17.81		
15	QPSK	36	39	17.80	17.76	17.69	17.82	17.74		
15	QPSK	75	0	17.81	17.76	17.75	17.90	17.71		
15	16QAM	1	0	17.76	17.69	17.67	17.84	17.85	18	0
15	16QAM	1	37	17.54	17.61	17.55	17.89	17.82		
15	16QAM	1	74	17.73	17.85	17.70	17.71	17.90		
15	16QAM	36	0	17.78	17.71	17.60	17.86	17.64	18	0
15	16QAM	36	20	17.77	17.69	17.58	17.89	17.79		
15	16QAM	36	39	17.76	17.72	17.59	17.81	17.78		
15	16QAM	75	0	17.84	17.78	17.69	17.89	17.78		
15	64QAM	1	0	17.69	17.56	17.85	17.56	17.89	18	0
15	64QAM	1	37	17.60	17.83	17.84	17.60	17.89		
15	64QAM	1	74	17.60	17.69	17.85	17.89	17.79		
15	64QAM	36	0	17.81	17.73	17.62	17.90	17.71	18	0
15	64QAM	36	20	17.76	17.75	17.63	17.87	17.82		
15	64QAM	36	39	17.75	17.74	17.66	17.87	17.77		
15	64QAM	75	0	17.80	17.76	17.66	17.90	17.76		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	17.80	17.54	17.52	17.51	17.50	18	0
10	QPSK	1	25	17.74	17.64	17.63	17.54	17.50		
10	QPSK	1	49	17.79	17.55	17.50	17.44	17.42		
10	QPSK	25	0	17.86	17.80	17.78	17.67	17.61	18	0
10	QPSK	25	12	17.91	17.82	17.84	17.69	17.62		
10	QPSK	25	25	17.92	17.80	17.76	17.66	17.60		
10	QPSK	50	0	17.86	17.80	17.80	17.63	17.58		
10	16QAM	1	0	17.93	17.79	17.65	17.68	17.60	18	0
10	16QAM	1	25	17.86	17.86	17.56	17.79	17.66		
10	16QAM	1	49	17.89	17.84	17.77	17.70	17.61		
10	16QAM	25	0	17.83	17.78	17.74	17.67	17.55	18	0
10	16QAM	25	12	17.87	17.83	17.78	17.67	17.58		
10	16QAM	25	25	17.87	17.75	17.72	17.65	17.53		
10	16QAM	50	0	17.89	17.82	17.82	17.70	17.64		
10	64QAM	1	0	17.77	17.59	17.53	17.48	17.34	18	0
10	64QAM	1	25	17.63	17.61	17.66	17.51	17.40		
10	64QAM	1	49	17.67	17.59	17.57	17.46	17.33		
10	64QAM	25	0	17.83	17.76	17.75	17.63	17.58	18	0
10	64QAM	25	12	17.81	17.81	17.78	17.68	17.61		
10	64QAM	25	25	17.82	17.74	17.73	17.63	17.58		
10	64QAM	50	0	17.83	17.78	17.75	17.65	17.55		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	17.71	17.46	17.42	17.45	17.38	18	0
5	QPSK	1	12	17.65	17.56	17.53	17.48	17.38		
5	QPSK	1	24	17.70	17.47	17.40	17.38	17.30		
5	QPSK	12	0	17.77	17.72	17.68	17.61	17.49	18	0
5	QPSK	12	7	17.82	17.74	17.74	17.63	17.50		
5	QPSK	12	13	17.83	17.72	17.66	17.60	17.48		
5	QPSK	25	0	17.77	17.72	17.70	17.57	17.46		
5	16QAM	1	0	17.84	17.71	17.55	17.62	17.48	18	0
5	16QAM	1	12	17.77	17.78	17.89	17.73	17.54		
5	16QAM	1	24	17.87	17.76	17.67	17.64	17.49		
5	16QAM	12	0	17.74	17.70	17.64	17.61	17.43	18	0
5	16QAM	12	7	17.78	17.75	17.68	17.61	17.46		
5	16QAM	12	13	17.78	17.67	17.62	17.59	17.41		
5	16QAM	25	0	17.80	17.74	17.72	17.64	17.52		
5	64QAM	1	0	17.68	17.51	17.43	17.42	17.22	18	0
5	64QAM	1	12	17.54	17.53	17.56	17.45	17.28		
5	64QAM	1	24	17.58	17.51	17.47	17.40	17.21		
5	64QAM	12	0	17.74	17.68	17.65	17.57	17.46	18	0
5	64QAM	12	7	17.72	17.73	17.68	17.62	17.49		
5	64QAM	12	13	17.73	17.66	17.63	17.57	17.46		
5	64QAM	25	0	17.74	17.70	17.65	17.59	17.43		

Reduced Power Mode for Hotspot on(EN-DC)

Band 2 (1900MHz Band)
Part 24E

BW [MHz]	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	12.67	12.93	12.50	14	0
20	QPSK	1	49	12.64	12.63	12.47		
20	QPSK	1	99	12.58	12.65	12.59		
20	QPSK	50	0	12.74	12.87	12.67	14	0
20	QPSK	50	24	12.71	12.72	12.74		
20	QPSK	50	50	12.86	12.82	12.69		
20	QPSK	100	0	12.84	12.85	12.72		
20	16QAM	1	0	12.67	12.76	12.69	14	0
20	16QAM	1	49	12.56	12.78	12.56		
20	16QAM	1	99	12.76	12.89	12.66		
20	16QAM	50	0	12.30	12.39	12.33	14	0
20	16QAM	50	24	12.45	12.44	12.41		
20	16QAM	50	50	12.50	12.49	12.43		
20	16QAM	100	0	12.36	12.43	12.48		
20	64QAM	1	0	12.76	12.63	12.55	14	0
20	64QAM	1	49	12.56	12.45	12.45		
20	64QAM	1	99	12.57	12.54	12.56		
20	64QAM	50	0	12.46	12.43	12.30	14	0
20	64QAM	50	24	12.41	12.48	12.42		
20	64QAM	50	50	12.21	12.49	12.35		
20	64QAM	100	0	12.42	12.34	12.50		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	12.60	12.60	12.51	14	0
15	QPSK	1	37	12.48	12.53	12.50		
15	QPSK	1	74	12.69	12.51	12.60		
15	QPSK	36	0	12.64	12.74	12.60	14	0
15	QPSK	36	20	12.69	12.74	12.70		
15	QPSK	36	39	12.67	12.81	12.64		
15	QPSK	75	0	12.71	12.69	12.66		
15	16QAM	1	0	12.47	12.91	12.78	14	0
15	16QAM	1	37	12.54	12.74	12.48		
15	16QAM	1	74	12.47	12.92	12.46		
15	16QAM	36	0	12.35	12.48	12.38	14	0
15	16QAM	36	20	12.32	12.40	12.40		
15	16QAM	36	39	12.29	12.39	12.32		
15	16QAM	75	0	12.41	12.36	12.38		
15	64QAM	1	0	12.70	12.51	12.26	14	0
15	64QAM	1	37	12.43	12.41	12.44		
15	64QAM	1	74	12.45	12.40	12.54		
15	64QAM	36	0	12.39	12.50	12.28	14	0
15	64QAM	36	20	12.44	12.43	12.32		
15	64QAM	36	39	12.30	12.25	12.43		
15	64QAM	75	0	12.43	12.38	12.36		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	12.39	12.69	12.24	14	0
10	QPSK	1	25	12.22	12.19	12.28		
10	QPSK	1	49	12.36	12.44	12.26		
10	QPSK	25	0	12.52	12.65	12.40	14	0
10	QPSK	25	12	12.64	12.58	12.43		
10	QPSK	25	25	12.56	12.62	12.63		
10	QPSK	50	0	12.45	12.58	12.43		
10	16QAM	1	0	12.39	12.41	12.53	14	0
10	16QAM	1	25	12.22	12.05	12.19		
10	16QAM	1	49	12.38	12.38	12.26		
10	16QAM	25	0	12.22	12.31	12.11	14	0
10	16QAM	25	12	12.30	12.08	12.18		
10	16QAM	25	25	12.24	12.19	12.30		
10	16QAM	50	0	12.32	12.30	12.20		
10	64QAM	1	0	12.77	12.53	12.42	14	0
10	64QAM	1	25	12.45	12.29	12.65		
10	64QAM	1	49	12.34	12.42	12.43		
10	64QAM	25	0	12.16	12.27	12.56	14	0
10	64QAM	25	12	12.23	12.28	12.18		
10	64QAM	25	25	12.07	12.38	12.34		
10	64QAM	50	0	12.14	12.14	12.34		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	12.57	12.42	12.28	14	0
5	QPSK	1	12	12.60	12.51	12.50		
5	QPSK	1	24	12.57	12.73	12.54		
5	QPSK	12	0	12.51	12.65	12.60	14	0
5	QPSK	12	7	12.62	12.66	12.53		
5	QPSK	12	13	12.61	12.64	12.62		
5	QPSK	25	0	12.61	12.60	12.49		
5	16QAM	1	0	12.37	12.55	12.41	14	0
5	16QAM	1	12	12.31	12.68	12.45		
5	16QAM	1	24	12.29	12.34	12.56		
5	16QAM	12	0	12.27	12.31	12.18	14	0
5	16QAM	12	7	12.29	12.21	12.24		
5	16QAM	12	13	12.22	12.27	12.17		
5	16QAM	25	0	12.14	12.42	12.36		
5	64QAM	1	0	12.43	12.46	12.43	14	0
5	64QAM	1	12	12.41	12.90	12.45		
5	64QAM	1	24	12.44	12.44	12.45		
5	64QAM	12	0	12.17	12.44	12.45	14	0
5	64QAM	12	7	12.12	12.17	12.19		
5	64QAM	12	13	12.44	12.34	12.56		
5	64QAM	25	0	12.25	12.18	12.29		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	12.48	12.52	12.52	14	0
3	QPSK	1	8	12.47	12.60	12.57		
3	QPSK	1	14	12.51	12.62	12.51		
3	QPSK	8	0	12.59	12.56	12.50	14	0
3	QPSK	8	4	12.55	12.59	12.52		
3	QPSK	8	7	12.51	12.62	12.48		
3	QPSK	15	0	12.51	12.47	12.56		
3	16QAM	1	0	12.85	12.84	12.54	14	0
3	16QAM	1	8	12.89	12.65	12.91		
3	16QAM	1	14	12.54	12.56	12.80		
3	16QAM	8	0	12.15	12.21	12.17	14	0
3	16QAM	8	4	12.27	12.28	12.26		
3	16QAM	8	7	12.26	12.39	12.15		
3	16QAM	15	0	12.21	12.24	12.10		
3	64QAM	1	0	12.63	12.58	12.70	14	0
3	64QAM	1	8	12.83	12.43	12.45		
3	64QAM	1	14	12.45	12.54	12.54		
3	64QAM	8	0	12.18	12.18	12.43	14	0
3	64QAM	8	4	12.25	12.16	12.08		
3	64QAM	8	7	12.25	12.13	12.23		
3	64QAM	15	0	12.12	12.16	12.05		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	12.58	12.59	12.44	14	0
1.4	QPSK	1	3	12.39	12.62	12.53		
1.4	QPSK	1	5	12.58	12.59	12.75		
1.4	QPSK	3	0	12.45	12.53	12.67		
1.4	QPSK	3	1	12.48	12.64	12.68		
1.4	QPSK	3	3	12.36	12.63	12.66		
1.4	QPSK	6	0	12.40	12.63	12.62	14	0
1.4	16QAM	1	0	12.34	12.39	12.57	14	0
1.4	16QAM	1	3	12.34	12.33	12.70		
1.4	16QAM	1	5	12.39	12.31	12.36		
1.4	16QAM	3	0	12.25	12.29	12.33		
1.4	16QAM	3	1	12.20	12.31	12.23		
1.4	16QAM	3	3	12.12	12.24	12.29		
1.4	16QAM	6	0	12.33	12.16	12.44	14	0
1.4	64QAM	1	0	12.19	12.25	12.28	14	0
1.4	64QAM	1	3	12.53	12.43	12.56		
1.4	64QAM	1	5	12.21	12.46	12.25		
1.4	64QAM	3	0	12.21	12.19	12.46		
1.4	64QAM	3	1	12.01	12.14	12.19		
1.4	64QAM	3	3	12.18	12.04	12.36		
1.4	64QAM	6	0	12.22	12.27	12.20	14	0

Band 5 (Celluar Band)
Part 22H(only on channel required)

BW [MHz]	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	21.00	21.23	21.04	22	0
10	QPSK	1	25	20.98	20.89	20.87		
10	QPSK	1	49	20.91	20.98	20.88		
10	QPSK	25	0	21.00	21.10	20.90	22	0
10	QPSK	25	12	21.08	20.97	20.87		
10	QPSK	25	25	21.03	20.99	20.85		
10	QPSK	50	0	21.07	21.09	20.88		
10	16QAM	1	0	21.00	21.16	21.07	22	0
10	16QAM	1	25	21.21	21.09	20.98		
10	16QAM	1	49	21.17	21.01	20.94		
10	16QAM	25	0	21.00	21.00	20.90	22	0
10	16QAM	25	12	21.08	20.93	20.85		
10	16QAM	25	25	21.04	20.94	20.84		
10	16QAM	50	0	21.09	20.92	20.85		
10	64QAM	1	0	21.00	21.17	21.11	22	0
10	64QAM	1	25	21.00	21.12	21.06		
10	64QAM	1	49	21.20	21.07	20.95		
10	64QAM	25	0	20.85	20.87	20.76	22	0
10	64QAM	25	12	20.98	20.88	20.73		
10	64QAM	25	25	20.92	20.84	20.69		
10	64QAM	50	0	20.93	20.82	20.70		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	20.92	21.00	20.68	22	0
5	QPSK	1	12	20.80	20.76	20.60		
5	QPSK	1	24	20.78	20.73	20.51		
5	QPSK	12	0	20.96	20.91	20.68	22	0
5	QPSK	12	7	20.93	20.84	20.67		
5	QPSK	12	13	20.89	20.83	20.61		
5	QPSK	25	0	20.92	20.80	20.63		
5	16QAM	1	0	21.00	21.12	21.01	22	0
5	16QAM	1	12	21.18	21.08	20.91		
5	16QAM	1	24	21.11	21.05	20.88		
5	16QAM	12	0	21.00	20.92	20.71	22	0
5	16QAM	12	7	20.95	20.85	20.72		
5	16QAM	12	13	20.89	20.85	20.68		
5	16QAM	25	0	20.94	20.86	20.64		
5	64QAM	1	0	21.14	21.04	20.83	22	0
5	64QAM	1	12	20.95	20.95	20.73		
5	64QAM	1	24	20.97	20.93	20.75		
5	64QAM	12	0	20.96	20.86	20.67	22	0
5	64QAM	12	7	20.93	20.82	20.73		
5	64QAM	12	13	20.91	20.80	20.60		
5	64QAM	25	0	20.94	20.81	20.63		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	21.00	21.12	20.89	22	0
3	QPSK	1	8	20.90	20.85	20.98		
3	QPSK	1	14	20.76	20.75	20.99		
3	QPSK	8	0	20.97	20.85	20.67	22	0
3	QPSK	8	4	20.95	20.84	20.67		
3	QPSK	8	7	20.88	20.85	20.60		
3	QPSK	15	0	20.91	20.79	20.68		
3	16QAM	1	0	21.19	21.07	20.94	22	0
3	16QAM	1	8	21.22	21.12	20.93		
3	16QAM	1	14	21.06	20.98	20.85		
3	16QAM	8	0	21.01	20.92	20.74	22	0
3	16QAM	8	4	20.99	20.92	20.72		
3	16QAM	8	7	20.95	20.89	20.69		
3	16QAM	15	0	20.93	20.85	20.69		
3	64QAM	1	0	21.13	21.02	20.88	22	0
3	64QAM	1	8	21.16	21.08	20.88		
3	64QAM	1	14	21.04	20.98	20.74		
3	64QAM	8	0	20.97	20.83	20.74	22	0
3	64QAM	8	4	20.92	20.82	20.71		
3	64QAM	8	7	20.92	20.84	20.64		
3	64QAM	15	0	20.89	20.79	20.66		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	20.89	20.98	20.87	22	0
1.4	QPSK	1	3	20.77	20.74	20.89		
1.4	QPSK	1	5	20.75	20.71	21.00		
1.4	QPSK	3	0	20.93	20.89	20.59		
1.4	QPSK	3	1	20.90	20.82	20.58		
1.4	QPSK	3	3	20.86	20.81	20.52		
1.4	QPSK	6	0	20.89	20.78	20.54	22	0
1.4	16QAM	1	0	20.97	21.10	20.92	22	0
1.4	16QAM	1	3	21.15	21.06	20.82		
1.4	16QAM	1	5	21.08	21.03	20.79		
1.4	16QAM	3	0	20.97	20.90	20.62		
1.4	16QAM	3	1	20.92	20.83	20.63		
1.4	16QAM	3	3	20.86	20.83	20.57		
1.4	16QAM	6	0	20.91	20.84	20.89	22	0
1.4	64QAM	1	0	21.11	21.02	20.74	22	0
1.4	64QAM	1	3	20.92	20.93	20.64		
1.4	64QAM	1	5	20.94	20.91	20.66		
1.4	64QAM	3	0	20.93	20.84	20.58		
1.4	64QAM	3	1	20.90	20.80	20.64		
1.4	64QAM	3	3	20.88	20.78	20.51		
1.4	64QAM	6	0	20.91	20.79	20.54	22	0

Band 12 (700MHz Low Band)
Part 27F(only on channel required)

BW [MHz]	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	21.84	21.96	21.83	22	0
10	QPSK	1	25	21.81	21.75	21.82		
10	QPSK	1	49	21.85	21.82	21.77		
10	QPSK	25	0	21.92	21.95	21.90	22	0
10	QPSK	25	12	21.78	21.90	21.90		
10	QPSK	25	25	21.94	21.90	21.94		
10	QPSK	50	0	21.67	21.94	21.66		
10	16QAM	1	0	21.75	21.73	21.76	22	0
10	16QAM	1	25	21.70	21.69	21.69		
10	16QAM	1	49	21.71	21.69	21.65		
10	16QAM	25	0	21.47	21.47	21.46	22	0
10	16QAM	25	12	21.56	21.44	21.51		
10	16QAM	25	25	21.48	21.44	21.42		
10	16QAM	50	0	21.51	21.46	21.52		
10	64QAM	1	0	21.83	21.67	21.66	22	0
10	64QAM	1	25	21.74	21.70	21.71		
10	64QAM	1	49	21.81	21.77	21.76		
10	64QAM	25	0	21.49	21.47	21.47	22	0
10	64QAM	25	12	21.56	21.45	21.56		
10	64QAM	25	25	21.49	21.48	21.44		
10	64QAM	50	0	21.49	21.43	21.49		
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	21.88	21.75	21.70	22	0
5	QPSK	1	12	21.80	21.82	21.79		
5	QPSK	1	24	21.80	21.78	21.71		
5	QPSK	12	0	21.96	21.86	21.80	22	0
5	QPSK	12	7	21.93	21.90	21.86		
5	QPSK	12	13	21.85	21.88	21.82		
5	QPSK	25	0	21.92	21.82	21.80		
5	16QAM	1	0	21.76	21.67	21.62	22	0
5	16QAM	1	12	21.71	21.70	21.64		
5	16QAM	1	24	21.70	21.69	21.65		
5	16QAM	12	0	21.57	21.50	21.44	22	0
5	16QAM	12	7	21.54	21.52	21.44		
5	16QAM	12	13	21.46	21.45	21.42		
5	16QAM	25	0	21.52	21.39	21.37		
5	64QAM	1	0	21.67	21.64	21.58	22	0
5	64QAM	1	12	21.65	21.63	21.59		
5	64QAM	1	24	21.63	21.61	21.53		
5	64QAM	12	0	21.50	21.42	21.42	22	0
5	64QAM	12	7	21.50	21.46	21.44		
5	64QAM	12	13	21.41	21.40	21.36		
5	64QAM	25	0	21.50	21.42	21.41		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	21.89	21.76	21.74	22	0
3	QPSK	1	8	21.83	21.81	21.77		
3	QPSK	1	14	21.78	21.76	21.68		
3	QPSK	8	0	21.94	21.79	21.74	22	0
3	QPSK	8	4	21.88	21.90	21.81		
3	QPSK	8	7	21.88	21.84	21.79		
3	QPSK	15	0	21.88	21.82	21.77		
3	16QAM	1	0	21.79	21.66	21.68	22	0
3	16QAM	1	8	21.73	21.72	21.72		
3	16QAM	1	14	21.70	21.58	21.59		
3	16QAM	8	0	21.57	21.47	21.43	22	0
3	16QAM	8	4	21.51	21.49	21.47		
3	16QAM	8	7	21.51	21.46	21.44		
3	16QAM	15	0	21.48	21.40	21.39		
3	64QAM	1	0	21.72	21.59	21.60	22	0
3	64QAM	1	8	21.71	21.68	21.63		
3	64QAM	1	14	21.59	21.61	21.52		
3	64QAM	8	0	21.51	21.42	21.34	22	0
3	64QAM	8	4	21.49	21.44	21.40		
3	64QAM	8	7	21.45	21.39	21.35		
3	64QAM	15	0	21.46	21.36	21.35		
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	21.84	21.72	21.65	22	0
1.4	QPSK	1	3	21.76	21.79	21.74		
1.4	QPSK	1	5	21.76	21.75	21.66		
1.4	QPSK	3	0	21.92	21.83	21.75		
1.4	QPSK	3	1	21.89	21.87	21.81		
1.4	QPSK	3	3	21.81	21.85	21.77		
1.4	QPSK	6	0	21.88	21.79	21.75	22	0
1.4	16QAM	1	0	21.72	21.64	21.57	22	0
1.4	16QAM	1	3	21.67	21.67	21.59		
1.4	16QAM	1	5	21.66	21.66	21.60		
1.4	16QAM	3	0	21.53	21.47	21.39		
1.4	16QAM	3	1	21.50	21.49	21.39		
1.4	16QAM	3	3	21.42	21.42	21.37		
1.4	16QAM	6	0	21.48	21.36	21.32	22	0
1.4	64QAM	1	0	21.63	21.61	21.53	22	0
1.4	64QAM	1	3	21.61	21.60	21.54		
1.4	64QAM	1	5	21.59	21.58	21.48		
1.4	64QAM	3	0	21.46	21.39	21.37		
1.4	64QAM	3	1	21.46	21.43	21.39		
1.4	64QAM	3	3	21.37	21.37	21.31		
1.4	64QAM	6	0	21.46	21.39	21.36	22	0

Band 25 (1900MHz Band)
Part 24E

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26140	26340	26590		
Frequency (MHz)				1860	1880	1905		
20	QPSK	1	0	12.91	12.95	12.92	14	0
20	QPSK	1	49	12.65	12.77	12.78		
20	QPSK	1	99	12.56	12.76	12.77		
20	QPSK	50	0	12.78	12.89	12.87	14	0
20	QPSK	50	24	12.41	12.55	12.78		
20	QPSK	50	50	12.41	12.47	12.81		
20	QPSK	100	0	12.56	12.82	12.81		
20	16QAM	1	0	12.93	12.92	12.60	14	0
20	16QAM	1	49	12.65	12.80	12.78		
20	16QAM	1	99	12.76	12.92	12.63		
20	16QAM	50	0	12.39	12.47	12.34	14	0
20	16QAM	50	24	12.43	12.52	12.27		
20	16QAM	50	50	12.50	12.50	12.39		
20	16QAM	100	0	12.45	12.35	12.35		
20	64QAM	1	0	12.85	12.56	12.46	14	0
20	64QAM	1	49	12.78	12.77	12.77		
20	64QAM	1	99	12.67	12.66	12.70		
20	64QAM	50	0	12.31	12.44	12.35	14	0
20	64QAM	50	24	12.41	12.50	12.65		
20	64QAM	50	50	12.42	12.53	12.66		
20	64QAM	100	0	12.38	12.42	12.54		
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1907.5		
15	QPSK	1	0	12.13	12.45	12.24	14	0
15	QPSK	1	37	12.19	12.43	12.22		
15	QPSK	1	74	12.23	12.27	12.20		
15	QPSK	36	0	12.29	12.38	12.17	14	0
15	QPSK	36	20	12.32	12.54	12.35		
15	QPSK	36	39	12.32	12.49	12.40		
15	QPSK	75	0	12.32	12.42	12.34		
15	16QAM	1	0	12.52	12.44	12.76	14	0
15	16QAM	1	37	12.87	12.49	12.83		
15	16QAM	1	74	12.65	12.60	12.44		
15	16QAM	36	0	12.23	12.30	12.21	14	0
15	16QAM	36	20	12.38	12.43	12.27		
15	16QAM	36	39	12.47	12.42	12.31		
15	16QAM	75	0	12.32	12.51	12.33		
15	64QAM	1	0	12.78	12.52	12.65	14	0
15	64QAM	1	37	12.76	12.67	12.81		
15	64QAM	1	74	12.87	12.89	12.67		
15	64QAM	36	0	12.30	12.46	12.55	14	0
15	64QAM	36	20	12.41	12.51	12.56		
15	64QAM	36	39	12.66	12.51	12.26		
15	64QAM	75	0	12.12	12.51	12.10		
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1910		
10	QPSK	1	0	12.56	12.65	12.46	14	0
10	QPSK	1	25	12.45	12.65	12.58		
10	QPSK	1	49	12.45	12.27	12.57		
10	QPSK	25	0	12.20	12.21	12.68	14	0
10	QPSK	25	12	12.24	12.30	12.22		
10	QPSK	25	25	12.45	12.35	12.47		
10	QPSK	50	0	12.45	12.36	12.70		
10	16QAM	1	0	12.67	12.56	12.75	14	0
10	16QAM	1	25	12.56	12.56	12.58		
10	16QAM	1	49	12.82	12.78	12.81		
10	16QAM	25	0	12.34	12.45	12.79	14	0
10	16QAM	25	12	12.44	12.38	12.57		
10	16QAM	25	25	12.43	12.40	12.37		
10	16QAM	50	0	12.34	12.41	12.17		
10	64QAM	1	0	12.67	12.66	12.90	14	0
10	64QAM	1	25	12.67	12.64	12.50		
10	64QAM	1	49	12.66	12.63	12.59		
10	64QAM	25	0	12.45	12.15	12.58	14	0
10	64QAM	25	12	12.32	12.36	12.57		
10	64QAM	25	25	12.24	12.31	12.47		
10	64QAM	50	0	12.19	12.15	12.37		
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1912.5		
5	QPSK	1	0	12.27	12.24	12.49	14	0
5	QPSK	1	12	12.17	12.36	12.61		
5	QPSK	1	24	12.23	12.26	12.60		
5	QPSK	12	0	12.21	12.22	12.71	14	0
5	QPSK	12	7	12.56	12.39	12.25		
5	QPSK	12	13	12.22	12.33	12.50		
5	QPSK	25	0	12.55	12.45	12.73		
5	16QAM	1	0	12.78	12.56	12.78	14	0
5	16QAM	1	12	12.62	12.94	12.61		
5	16QAM	1	24	12.65	12.73	12.84		
5	16QAM	12	0	12.65	12.34	12.82	14	0
5	16QAM	12	7	12.56	12.45	12.60		
5	16QAM	12	13	12.45	12.33	12.40		
5	16QAM	25	0	12.20	12.34	12.20		
5	64QAM	1	0	12.54	12.65	12.93	14	0
5	64QAM	1	12	12.43	12.59	12.53		
5	64QAM	1	24	12.48	12.57	12.62		
5	64QAM	12	0	12.54	12.48	12.61	14	0
5	64QAM	12	7	12.52	12.47	12.60		
5	64QAM	12	13	12.34	12.57	12.50		
5	64QAM	25	0	12.27	12.59	12.40		
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1913.5		
3	QPSK	1	0	12.40	12.33	12.61	14	0
3	QPSK	1	8	12.30	12.45	12.73		
3	QPSK	1	14	12.36	12.35	12.72		
3	QPSK	8	0	12.34	12.67	12.83	14	0
3	QPSK	8	4	12.69	12.48	12.37		
3	QPSK	8	7	12.35	12.42	12.62		
3	QPSK	15	0	12.68	12.54	12.85		
3	16QAM	1	0	12.91	12.65	12.90	14	0
3	16QAM	1	8	12.75	12.89	12.73		
3	16QAM	1	14	12.78	12.82	12.89		
3	16QAM	8	0	12.78	12.67	12.94	14	0
3	16QAM	8	4	12.69	12.54	12.72		
3	16QAM	8	7	12.58	12.56	12.62		
3	16QAM	15	0	12.33	12.43	12.32		
3	64QAM	1	0	12.67	12.74	12.78	14	0
3	64QAM	1	8	12.56	12.68	12.65		
3	64QAM	1	14	12.61	12.66	12.74		
3	64QAM	8	0	12.67	12.57	12.73	14	0
3	64QAM	8	4	12.65	12.56	12.72		
3	64QAM	8	7	12.47	12.66	12.62		
3	64QAM	15	0	12.40	12.68	12.52		
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1914.3		
1.4	QPSK	1	0	12.69	12.74	12.58	14	0
1.4	QPSK	1	3	12.58	12.74	12.70		
1.4	QPSK	1	5	12.58	12.36	12.69		
1.4	QPSK	3	0	12.33	12.30	12.80		
1.4	QPSK	3	1	12.37	12.39	12.34		
1.4	QPSK	3	3	12.58	12.44	12.59		
1.4	QPSK	6	0	12.58	12.45	12.82	14	0
1.4	16QAM	1	0	12.80	12.65	12.87	14	0
1.4	16QAM	1	3	12.69	12.65	12.70		
1.4	16QAM	1	5	12.89	12.87	12.93		
1.4	16QAM	3	0	12.47	12.54	12.91		
1.4	16QAM	3	1	12.57	12.47	12.69		
1.4	16QAM	3	3	12.56	12.49	12.49		
1.4	16QAM	6	0	12.47	12.50	12.29	14	0
1.4	64QAM	1	0	12.80	12.75	12.89	14	0
1.4	64QAM	1	3	12.80	12.73	12.62		
1.4	64QAM	1	5	12.79	12.72	12.71		
1.4	64QAM	3	0	12.58	12.24	12.70		
1.4	64QAM	3	1	12.45	12.45	12.69		
1.4	64QAM	3	3	12.37	12.40	12.59		
1.4	64QAM	6	0	12.32	12.24	12.49	11	3

Band 66

BW [MHz]	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	14.49	14.86	14.66	15	0
20	QPSK	1	49	14.40	14.61	14.49		
20	QPSK	1	99	14.51	14.50	14.61		
20	QPSK	50	0	14.60	14.72	14.62	15	0
20	QPSK	50	24	14.54	14.64	14.60		
20	QPSK	50	50	14.55	14.45	14.50		
20	QPSK	100	0	14.37	14.68	14.61		
20	16QAM	1	0	14.70	14.58	14.53	15	0
20	16QAM	1	49	14.81	14.54	14.37		
20	16QAM	1	99	14.77	14.41	14.36		
20	16QAM	50	0	14.15	14.31	14.35	15	0
20	16QAM	50	24	14.18	14.23	14.27		
20	16QAM	50	50	14.14	14.21	14.18		
20	16QAM	100	0	14.31	14.29	14.21		
20	64QAM	1	0	14.49	14.35	14.53	15	0
20	64QAM	1	49	14.21	14.20	14.30		
20	64QAM	1	99	14.59	14.43	14.39		
20	64QAM	50	0	14.17	14.34	14.32	15	0
20	64QAM	50	24	14.20	14.31	14.29		
20	64QAM	50	50	14.16	14.16	14.26		
20	64QAM	100	0	14.25	14.25	14.26		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	14.26	14.09	14.09	15	0
15	QPSK	1	37	14.15	14.06	14.17		
15	QPSK	1	74	14.56	14.39	14.21		
15	QPSK	36	0	14.30	14.42	14.32	15	0
15	QPSK	36	20	14.24	14.34	14.30		
15	QPSK	36	39	14.25	14.15	14.20		
15	QPSK	75	0	14.07	14.38	14.31		
15	16QAM	1	0	14.72	14.60	14.55	15	0
15	16QAM	1	37	14.83	14.56	14.39		
15	16QAM	1	74	14.79	14.43	14.38		
15	16QAM	36	0	14.17	14.33	14.37	15	0
15	16QAM	36	20	14.20	14.25	14.29		
15	16QAM	36	39	14.16	14.23	14.20		
15	16QAM	75	0	14.33	14.31	14.23		
15	64QAM	1	0	14.51	14.37	14.55	15	0
15	64QAM	1	37	14.23	14.05	14.32		
15	64QAM	1	74	14.40	14.45	14.41		
15	64QAM	36	0	14.19	14.36	14.34	15	0
15	64QAM	36	20	14.22	14.33	14.31		
15	64QAM	36	39	14.18	14.18	14.28		
15	64QAM	75	0	14.27	14.27	14.28		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	14.11	14.24	14.34	15	0
10	QPSK	1	25	14.20	14.11	14.15		
10	QPSK	1	49	14.29	14.44	14.37		
10	QPSK	25	0	14.33	14.32	14.22	15	0
10	QPSK	25	12	14.29	14.22	14.23		
10	QPSK	25	25	14.42	14.46	14.26		
10	QPSK	50	0	14.27	14.39	14.33		
10	16QAM	1	0	14.50	14.29	14.48	15	0
10	16QAM	1	25	14.15	14.21	14.00		
10	16QAM	1	49	14.22	14.19	14.11		
10	16QAM	25	0	14.36	14.21	14.31	15	0
10	16QAM	25	12	14.30	14.16	14.16		
10	16QAM	25	25	14.33	14.41	14.23		
10	16QAM	50	0	14.39	14.30	14.32		
10	64QAM	1	0	14.21	14.49	14.43	15	0
10	64QAM	1	25	14.11	14.16	14.22		
10	64QAM	1	49	14.10	14.20	14.21		
10	64QAM	25	0	14.36	14.21	14.31	15	0
10	64QAM	25	12	14.30	14.28	14.20		
10	64QAM	25	25	14.38	14.41	14.33		
10	64QAM	50	0	14.38	14.30	14.42		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	13.83	14.10	14.00	15	0
5	QPSK	1	12	14.25	14.11	14.12		
5	QPSK	1	24	14.19	14.25	14.26		
5	QPSK	12	0	14.34	14.15	14.13	15	0
5	QPSK	12	7	14.28	14.18	14.18		
5	QPSK	12	13	14.14	14.17	14.24		
5	QPSK	25	0	14.30	14.19	14.12		
5	16QAM	1	0	14.70	14.55	14.50	15	0
5	16QAM	1	12	14.28	14.44	14.24		
5	16QAM	1	24	14.57	14.52	14.36		
5	16QAM	12	0	14.28	14.22	14.21	15	0
5	16QAM	12	7	14.31	14.24	14.17		
5	16QAM	12	13	14.21	14.20	14.21		
5	16QAM	25	0	14.24	14.14	14.11		
5	64QAM	1	0	14.56	14.70	14.51	15	0
5	64QAM	1	12	14.46	14.47	14.28		
5	64QAM	1	24	14.38	14.43	14.36		
5	64QAM	12	0	14.29	14.31	14.20	15	0
5	64QAM	12	7	14.29	14.24	14.23		
5	64QAM	12	13	14.21	14.37	14.31		
5	64QAM	25	0	14.30	14.25	14.15		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	14.11	14.20	14.23	15	0
3	QPSK	1	8	14.23	14.16	14.19		
3	QPSK	1	14	14.22	14.09	14.13		
3	QPSK	8	0	14.23	14.20	14.21	15	0
3	QPSK	8	4	14.23	14.19	14.16		
3	QPSK	8	7	14.22	14.16	14.12		
3	QPSK	15	0	14.27	14.14	14.21		
3	16QAM	1	0	14.46	14.42	14.42	15	0
3	16QAM	1	8	14.60	14.48	14.37		
3	16QAM	1	14	14.54	14.47	14.38		
3	16QAM	8	0	14.33	14.33	14.35	15	0
3	16QAM	8	4	14.40	14.26	14.28		
3	16QAM	8	7	14.30	14.23	14.17		
3	16QAM	15	0	14.29	14.18	14.20		
3	64QAM	1	0	14.50	14.42	14.40	15	0
3	64QAM	1	8	14.39	14.49	14.32		
3	64QAM	1	14	14.44	14.41	14.36		
3	64QAM	8	0	14.29	14.37	14.29	15	0
3	64QAM	8	4	14.37	14.28	14.24		
3	64QAM	8	7	14.37	14.36	14.19		
3	64QAM	15	0	14.17	14.19	14.14		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	14.18	14.20	14.11	15	0
1.4	QPSK	1	3	14.10	14.19	14.20		
1.4	QPSK	1	5	14.14	13.92	14.11		
1.4	QPSK	3	0	14.16	14.16	14.14		
1.4	QPSK	3	1	14.09	14.11	14.26		
1.4	QPSK	3	3	14.17	14.08	14.14		
1.4	QPSK	6	0	14.06	14.08	14.22	15	0
1.4	16QAM	1	0	14.33	14.35	14.48	15	0
1.4	16QAM	1	3	14.37	14.35	14.52		
1.4	16QAM	1	5	14.32	14.33	14.49		
1.4	16QAM	3	0	14.21	14.16	14.11		
1.4	16QAM	3	1	14.14	14.27	14.23		
1.4	16QAM	3	3	14.07	14.09	14.21		
1.4	16QAM	6	0	14.14	14.19	14.28	15	0
1.4	64QAM	1	0	14.40	14.23	14.18	15	0
1.4	64QAM	1	3	14.36	14.18	14.34		
1.4	64QAM	1	5	14.31	14.11	14.24		
1.4	64QAM	3	0	14.28	14.27	14.17		
1.4	64QAM	3	1	14.10	14.33	14.29		
1.4	64QAM	3	3	14.21	14.19	14.19		
1.4	64QAM	6	0	14.19	14.13	14.24	15	0

Band 41 / Band 41 HPUE(2.6G Band)										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	12.48	12.23	12.63	12.31	12.21	13	0
20	QPSK	1	49	12.32	12.36	12.30	12.29	12.48		
20	QPSK	1	99	12.26	12.30	12.13	12.28	12.31		
20	QPSK	50	0	11.92	11.84	12.18	11.93	11.91	13	0
20	QPSK	50	24	11.90	11.81	11.76	11.98	11.73		
20	QPSK	50	50	11.86	11.87	11.70	11.94	11.98		
20	QPSK	100	0	11.98	12.01	12.16	11.97	11.90		
20	16QAM	1	0	12.39	12.44	12.39	12.45	12.40	13	0
20	16QAM	1	49	12.34	12.35	12.01	12.06	12.04		
20	16QAM	1	99	12.45	12.49	12.44	12.45	12.44		
20	16QAM	50	0	11.92	11.93	11.82	12.01	11.90	13	0
20	16QAM	50	24	12.03	11.89	11.80	11.90	11.84		
20	16QAM	50	50	12.09	12.06	11.82	11.91	11.94		
20	16QAM	100	0	11.91	11.92	11.68	11.98	11.96		
20	64QAM	1	0	12.23	12.25	12.27	12.23	12.44	13	0
20	64QAM	1	49	12.01	12.08	12.25	12.21	12.31		
20	64QAM	1	99	12.48	12.34	12.23	12.43	12.06		
20	64QAM	50	0	11.94	11.96	11.80	12.05	11.95	13	0
20	64QAM	50	24	11.94	11.87	11.79	11.93	11.71		
20	64QAM	50	50	12.07	12.01	11.80	12.00	11.92		
20	64QAM	100	0	11.93	11.95	11.72	11.98	11.93		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	11.69	11.72	11.55	11.53	11.79	13	0
15	QPSK	1	37	11.91	11.83	11.65	11.95	11.65		
15	QPSK	1	74	11.98	11.80	11.79	11.83	11.65		
15	QPSK	36	0	12.03	11.94	11.74	11.94	11.83	13	0
15	QPSK	36	20	11.98	11.86	11.77	11.96	11.86		
15	QPSK	36	39	11.93	11.82	11.77	11.88	11.80		
15	QPSK	75	0	12.00	11.90	11.72	11.91	11.79		
15	16QAM	1	0	12.23	12.33	12.03	12.15	12.06	13	0
15	16QAM	1	37	12.02	11.94	11.99	12.13	11.97		
15	16QAM	1	74	12.35	12.01	11.85	12.27	12.10		
15	16QAM	36	0	11.98	12.00	11.73	11.95	12.01	13	0
15	16QAM	36	20	12.02	11.93	11.80	11.89	11.99		
15	16QAM	36	39	11.99	11.89	11.77	11.88	11.90		
15	16QAM	75	0	11.93	11.86	11.72	11.97	12.05		
15	64QAM	1	0	12.31	12.18	11.84	12.10	11.90	13	0
15	64QAM	1	37	12.21	12.21	11.86	12.10	12.01		
15	64QAM	1	74	12.16	11.99	12.01	11.88	11.94		
15	64QAM	36	0	12.01	11.98	11.76	11.94	11.96	13	0
15	64QAM	36	20	11.98	11.90	11.89	12.00	12.02		
15	64QAM	36	39	12.04	11.95	11.86	11.88	11.93		
15	64QAM	75	0	12.07	11.90	11.80	11.89	11.88		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	11.83	11.88	11.84	12.06	12.02	13	0
10	QPSK	1	25	11.88	11.84	11.95	11.91	11.83		
10	QPSK	1	49	12.24	12.16	11.74	11.98	11.80		
10	QPSK	25	0	12.00	11.96	11.80	12.03	11.94	13	0
10	QPSK	25	12	11.98	11.92	11.81	11.98	11.86		
10	QPSK	25	25	11.97	11.89	11.85	11.93	11.82		
10	QPSK	50	0	11.98	12.01	11.76	12.00	11.90		
10	16QAM	1	0	12.36	12.41	12.10	12.44	12.37	13	0
10	16QAM	1	25	12.26	12.29	12.01	12.02	12.04		
10	16QAM	1	49	12.45	12.45	12.06	12.35	12.01		
10	16QAM	25	0	11.94	11.92	11.85	11.98	12.00	13	0
10	16QAM	25	12	12.02	11.88	11.78	12.02	11.93		
10	16QAM	25	25	12.00	11.83	11.82	11.99	11.89		
10	16QAM	50	0	12.02	11.96	11.71	11.93	11.86		
10	64QAM	1	0	12.29	12.35	12.26	12.31	12.18	13	0
10	64QAM	1	25	12.24	12.19	12.21	12.21	12.21		
10	64QAM	1	49	12.34	12.30	11.88	12.16	11.99		
10	64QAM	25	0	11.95	11.97	11.88	12.01	11.98	13	0
10	64QAM	25	12	12.05	11.92	11.79	11.98	11.90		
10	64QAM	25	25	12.04	11.87	11.79	12.04	11.95		
10	64QAM	50	0	12.04	12.01	11.79	12.07	11.90		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	12.19	12.23	12.24	12.18	12.24	13	0
5	QPSK	1	12	12.30	12.35	12.22	12.15	12.16		
5	QPSK	1	24	12.45	12.42	12.29	12.33	12.31		
5	QPSK	12	0	12.46	12.43	12.37	12.27	12.35	13	0
5	QPSK	12	7	12.23	12.31	12.25	12.24	12.27		
5	QPSK	12	13	12.29	12.32	12.30	12.26	12.17		
5	QPSK	25	0	12.48	12.47	12.35	12.23	12.26		
5	16QAM	1	0	12.46	12.44	12.43	12.54	12.55	13	0
5	16QAM	1	12	12.43	12.55	12.46	12.29	12.54		
5	16QAM	1	24	12.41	12.31	12.60	12.42	12.61		
5	16QAM	12	0	12.24	12.25	12.42	12.28	12.37	13	0
5	16QAM	12	7	12.16	12.22	12.35	12.26	12.30		
5	16QAM	12	13	12.17	12.11	12.36	12.29	12.29		
5	16QAM	25	0	12.25	12.30	12.38	12.25	12.38		
5	64QAM	1	0	12.54	12.62	12.40	12.62	12.50	13	0
5	64QAM	1	12	12.37	12.46	12.18	12.18	12.22		
5	64QAM	1	24	12.24	12.24	12.50	12.50	12.38		
5	64QAM	12	0	12.24	12.26	12.37	12.25	12.35	13	0
5	64QAM	12	7	12.21	12.28	12.31	12.23	12.27		
5	64QAM	12	13	12.17	12.26	12.25	12.16	12.31		
5	64QAM	25	0	12.24	12.22	12.34	12.28	12.39		

Reduced Power Mode for Handheld on(EN-DC)

Band 2 (1900MHz Band) Part 24E

BW [MHz]	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	18.74	18.93	18.74	19	0
20	QPSK	1	49	18.66	18.71	18.68		
20	QPSK	1	99	18.61	18.66	18.62		
20	QPSK	50	0	18.73	18.87	18.80	19	0
20	QPSK	50	24	18.85	18.84	18.86		
20	QPSK	50	50	18.75	18.86	18.83		
20	QPSK	100	0	18.81	18.88	18.87		
20	16QAM	1	0	18.86	18.84	18.84	19	0
20	16QAM	1	49	18.74	18.82	18.81		
20	16QAM	1	99	18.69	18.70	18.69		
20	16QAM	50	0	18.50	18.60	18.57	19	0
20	16QAM	50	24	18.56	18.62	18.66		
20	16QAM	50	50	18.52	18.65	18.61		
20	16QAM	100	0	18.53	18.57	18.64		
20	64QAM	1	0	18.64	18.75	18.78	19	0
20	64QAM	1	49	18.51	18.65	18.76		
20	64QAM	1	99	18.56	18.52	18.66		
20	64QAM	50	0	18.49	18.57	18.57	19	0
20	64QAM	50	24	18.58	18.59	18.62		
20	64QAM	50	50	18.54	18.62	18.58		
20	64QAM	100	0	18.53	18.58	18.61		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	18.75	18.83	18.79	19	0
15	QPSK	1	37	18.69	18.76	18.70		
15	QPSK	1	74	18.62	18.80	18.71		
15	QPSK	36	0	18.73	18.85	18.79	19	0
15	QPSK	36	20	18.82	18.85	18.88		
15	QPSK	36	39	18.79	18.89	18.84		
15	QPSK	75	0	18.81	18.83	18.76		
15	16QAM	1	0	18.78	18.89	18.80	19	0
15	16QAM	1	37	18.71	18.82	18.76		
15	16QAM	1	74	18.69	18.76	18.71		
15	16QAM	36	0	18.50	18.61	18.52	19	0
15	16QAM	36	20	18.56	18.62	18.60		
15	16QAM	36	39	18.54	18.66	18.61		
15	16QAM	75	0	18.56	18.59	18.50		
15	64QAM	1	0	18.62	18.77	18.73	19	0
15	64QAM	1	37	18.65	18.63	18.79		
15	64QAM	1	74	18.62	18.59	18.66		
15	64QAM	36	0	18.51	18.58	18.54	19	0
15	64QAM	36	20	18.55	18.60	18.60		
15	64QAM	36	39	18.54	18.68	18.62		
15	64QAM	75	0	18.55	18.59	18.52		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	18.62	18.73	18.69	19	0
10	QPSK	1	25	18.59	18.69	18.66		
10	QPSK	1	49	18.61	18.68	18.64		
10	QPSK	25	0	18.75	18.81	18.72	19	0
10	QPSK	25	12	18.79	18.83	18.75		
10	QPSK	25	25	18.76	18.89	18.82		
10	QPSK	50	0	18.78	18.84	18.74		
10	16QAM	1	0	18.59	18.64	18.61	19	0
10	16QAM	1	25	18.53	18.63	18.60		
10	16QAM	1	49	18.53	18.65	18.58		
10	16QAM	25	0	18.31	18.36	18.25	19	0
10	16QAM	25	12	18.34	18.40	18.30		
10	16QAM	25	25	18.31	18.43	18.35		
10	16QAM	50	0	18.32	18.38	18.28		
10	64QAM	1	0	18.58	18.73	18.66	19	0
10	64QAM	1	25	18.54	18.64	18.61		
10	64QAM	1	49	18.55	18.61	18.53		
10	64QAM	25	0	18.33	18.34	18.26	19	0
10	64QAM	25	12	18.33	18.41	18.32		
10	64QAM	25	25	18.26	18.43	18.34		
10	64QAM	50	0	18.29	18.38	18.27		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	18.70	18.71	18.71	19	0
5	QPSK	1	12	18.71	18.86	18.73		
5	QPSK	1	24	18.70	18.87	18.74		
5	QPSK	12	0	18.77	18.84	18.82	19	0
5	QPSK	12	7	18.81	18.88	18.86		
5	QPSK	12	13	18.78	18.91	18.81		
5	QPSK	25	0	18.77	18.84	18.82		
5	16QAM	1	0	18.56	18.61	18.56	19	0
5	16QAM	1	12	18.57	18.67	18.58		
5	16QAM	1	24	18.55	18.71	18.64		
5	16QAM	12	0	18.31	18.38	18.37	19	0
5	16QAM	12	7	18.33	18.43	18.42		
5	16QAM	12	13	18.34	18.47	18.40		
5	16QAM	25	0	18.34	18.37	18.37		
5	64QAM	1	0	18.45	18.52	18.48	19	0
5	64QAM	1	12	18.42	18.57	18.49		
5	64QAM	1	24	18.45	18.62	18.54		
5	64QAM	12	0	18.31	18.35	18.35	19	0
5	64QAM	12	7	18.33	18.42	18.38		
5	64QAM	12	13	18.30	18.43	18.36		
5	64QAM	25	0	18.30	18.38	18.36		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	18.66	18.69	18.66	19	0
3	QPSK	1	8	18.70	18.85	18.74		
3	QPSK	1	14	18.66	18.79	18.73		
3	QPSK	8	0	18.76	18.81	18.74	19	0
3	QPSK	8	4	18.79	18.86	18.77		
3	QPSK	8	7	18.76	18.89	18.82		
3	QPSK	15	0	18.77	18.82	18.79		
3	16QAM	1	0	18.49	18.53	18.53	19	0
3	16QAM	1	8	18.59	18.73	18.60		
3	16QAM	1	14	18.51	18.65	18.55		
3	16QAM	8	0	18.35	18.39	18.36	19	0
3	16QAM	8	4	18.37	18.41	18.41		
3	16QAM	8	7	18.34	18.50	18.37		
3	16QAM	15	0	18.34	18.42	18.36		
3	64QAM	1	0	18.44	18.45	18.45	19	0
3	64QAM	1	8	18.52	18.64	18.55		
3	64QAM	1	14	18.47	18.54	18.48		
3	64QAM	8	0	18.31	18.34	18.35	19	0
3	64QAM	8	4	18.37	18.39	18.39		
3	64QAM	8	7	18.33	18.43	18.35		
3	64QAM	15	0	18.32	18.36	18.38		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	18.88	18.66	18.91	19	0
1.4	QPSK	1	3	18.82	18.85	18.82		
1.4	QPSK	1	5	18.75	18.89	18.83		
1.4	QPSK	3	0	18.86	18.74	18.91		
1.4	QPSK	3	1	18.76	18.75	18.67		
1.4	QPSK	3	3	18.92	18.78	18.77		
1.4	QPSK	6	0	18.67	18.67	18.88	19	0
1.4	16QAM	1	0	18.91	18.56	18.66	19	0
1.4	16QAM	1	3	18.84	18.91	18.88		
1.4	16QAM	1	5	18.82	18.85	18.83		
1.4	16QAM	3	0	18.63	18.70	18.64		
1.4	16QAM	3	1	18.69	18.71	18.72		
1.4	16QAM	3	3	18.67	18.75	18.73		
1.4	16QAM	6	0	18.69	18.68	18.62	19	0
1.4	64QAM	1	0	18.75	18.86	18.85	19	0
1.4	64QAM	1	3	18.78	18.72	18.91		
1.4	64QAM	1	5	18.75	18.68	18.78		
1.4	64QAM	3	0	18.64	18.67	18.66		
1.4	64QAM	3	1	18.68	18.69	18.72		
1.4	64QAM	3	3	18.67	18.77	18.74		
1.4	64QAM	6	0	18.68	18.68	18.64	19	0

Band 25 (1900MHz Band) Part 24E

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26140	26340	26590		
Frequency (MHz)				1860	1880	1905		
20	QPSK	1	0	18.69	18.98	18.89	19	0
20	QPSK	1	49	18.62	18.75	18.70		
20	QPSK	1	99	18.57	18.67	18.65		
20	QPSK	50	0	18.72	18.92	18.81	19	0
20	QPSK	50	24	18.73	18.91	18.81		
20	QPSK	50	50	18.65	18.87	18.82		
20	QPSK	100	0	18.72	18.89	18.80		
20	16QAM	1	0	18.78	18.78	18.84	19	0
20	16QAM	1	49	18.71	18.78	18.75		
20	16QAM	1	99	18.72	18.69	18.67		
20	16QAM	50	0	18.49	18.59	18.56	19	0
20	16QAM	50	24	18.57	18.66	18.52		
20	16QAM	50	50	18.51	18.62	18.56		
20	16QAM	100	0	18.55	18.56	18.49		
20	64QAM	1	0	18.63	18.75	18.75	19	0
20	64QAM	1	49	18.58	18.59	18.68		
20	64QAM	1	99	18.65	18.48	18.69		
20	64QAM	50	0	18.51	18.60	18.53	19	0
20	64QAM	50	24	18.55	18.67	18.51		
20	64QAM	50	50	18.48	18.59	18.53		
20	64QAM	100	0	18.55	18.57	18.48		
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1907.5		
15	QPSK	1	0	18.63	18.74	18.71	19	0
15	QPSK	1	37	18.58	18.75	18.61		
15	QPSK	1	74	18.54	18.72	18.61		
15	QPSK	36	0	18.68	18.82	18.73	19	0
15	QPSK	36	20	18.73	18.89	18.77		
15	QPSK	36	39	18.63	18.77	18.73		
15	QPSK	75	0	18.68	18.81	18.70		
15	16QAM	1	0	18.75	18.81	18.69	19	0
15	16QAM	1	37	18.56	18.75	18.69		
15	16QAM	1	74	18.41	18.57	18.55		
15	16QAM	36	0	18.35	18.53	18.44	19	0
15	16QAM	36	20	18.44	18.56	18.41		
15	16QAM	36	39	18.40	18.53	18.45		
15	16QAM	75	0	18.43	18.56	18.44		
15	64QAM	1	0	18.45	18.72	18.59	19	0
15	64QAM	1	37	18.44	18.57	18.49		
15	64QAM	1	74	18.49	18.46	18.47		
15	64QAM	36	0	18.44	18.59	18.34	19	0
15	64QAM	36	20	18.49	18.63	18.42		
15	64QAM	36	39	18.40	18.56	18.50		
15	64QAM	75	0	18.48	18.61	18.47		
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1910		
10	QPSK	1	0	18.63	18.69	18.63	19	0
10	QPSK	1	25	18.59	18.70	18.65		
10	QPSK	1	49	18.59	18.63	18.67		
10	QPSK	25	0	18.73	18.75	18.70	19	0
10	QPSK	25	12	18.75	18.84	18.75		
10	QPSK	25	25	18.73	18.84	18.85		
10	QPSK	50	0	18.75	18.85	18.75		
10	16QAM	1	0	18.51	18.60	18.57	19	0
10	16QAM	1	25	18.47	18.58	18.56		
10	16QAM	1	49	18.44	18.62	18.54		
10	16QAM	25	0	18.26	18.30	18.23	19	0
10	16QAM	25	12	18.27	18.41	18.27		
10	16QAM	25	25	18.23	18.36	18.34		
10	16QAM	50	0	18.24	18.38	18.24		
10	64QAM	1	0	18.51	18.60	18.64	19	0
10	64QAM	1	25	18.54	18.67	18.63		
10	64QAM	1	49	18.49	18.58	18.69		
10	64QAM	25	0	18.26	18.30	18.25	19	0
10	64QAM	25	12	18.26	18.42	18.29		
10	64QAM	25	25	18.23	18.37	18.33		
10	64QAM	50	0	18.22	18.37	18.24		
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1912.5		
5	QPSK	1	0	18.72	18.74	18.74	19	0
5	QPSK	1	12	18.74	18.82	18.75		
5	QPSK	1	24	18.69	18.85	18.75		
5	QPSK	12	0	18.78	18.79	18.79	19	0
5	QPSK	12	7	18.87	18.93	18.86		
5	QPSK	12	13	18.85	18.90	18.86		
5	QPSK	25	0	18.81	18.86	18.83		
5	16QAM	1	0	18.55	18.55	18.58	19	0
5	16QAM	1	12	18.53	18.63	18.52		
5	16QAM	1	24	18.55	18.62	18.56		
5	16QAM	12	0	18.33	18.32	18.33	19	0
5	16QAM	12	7	18.40	18.43	18.39		
5	16QAM	12	13	18.37	18.49	18.39		
5	16QAM	25	0	18.34	18.43	18.38		
5	64QAM	1	0	18.45	18.50	18.47	19	0
5	64QAM	1	12	18.38	18.50	18.41		
5	64QAM	1	24	18.45	18.56	18.48		
5	64QAM	12	0	18.29	18.31	18.30	19	0
5	64QAM	12	7	18.40	18.43	18.38		
5	64QAM	12	13	18.37	18.45	18.36		
5	64QAM	25	0	18.34	18.40	18.37		
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1913.5		
3	QPSK	1	0	18.85	18.83	18.86	19	0
3	QPSK	1	8	18.87	18.91	18.87		
3	QPSK	1	14	18.82	18.94	18.87		
3	QPSK	8	0	18.91	18.88	18.91	19	0
3	QPSK	8	4	18.77	18.78	18.78		
3	QPSK	8	7	18.98	18.78	18.87		
3	QPSK	15	0	18.94	18.95	18.95		
3	16QAM	1	0	18.68	18.64	18.70	19	0
3	16QAM	1	8	18.66	18.72	18.64		
3	16QAM	1	14	18.68	18.71	18.68		
3	16QAM	8	0	18.46	18.41	18.45	19	0
3	16QAM	8	4	18.53	18.52	18.51		
3	16QAM	8	7	18.50	18.58	18.51		
3	16QAM	15	0	18.47	18.52	18.50		
3	64QAM	1	0	18.58	18.59	18.59	19	0
3	64QAM	1	8	18.51	18.59	18.53		
3	64QAM	1	14	18.58	18.65	18.60		
3	64QAM	8	0	18.42	18.40	18.42	19	0
3	64QAM	8	4	18.53	18.52	18.50		
3	64QAM	8	7	18.50	18.54	18.48		
3	64QAM	15	0	18.47	18.49	18.49		
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1914.3		
1.4	QPSK	1	0	18.76	18.78	18.75	19	0
1.4	QPSK	1	3	18.72	18.79	18.77		
1.4	QPSK	1	5	18.72	18.72	18.79		
1.4	QPSK	3	0	18.86	18.84	18.82		
1.4	QPSK	3	1	18.88	18.93	18.87		
1.4	QPSK	3	3	18.86	18.93	18.97		
1.4	QPSK	6	0	18.88	18.94	18.87	19	0
1.4	16QAM	1	0	18.64	18.69	18.69	19	0
1.4	16QAM	1	3	18.60	18.67	18.68		
1.4	16QAM	1	5	18.57	18.71	18.66		
1.4	16QAM	3	0	18.39	18.39	18.35		
1.4	16QAM	3	1	18.40	18.50	18.39		
1.4	16QAM	3	3	18.36	18.45	18.46		
1.4	16QAM	6	0	18.37	18.47	18.36	19	0
1.4	64QAM	1	0	18.64	18.69	18.76	19	0
1.4	64QAM	1	3	18.67	18.76	18.75		
1.4	64QAM	1	5	18.62	18.67	18.81		
1.4	64QAM	3	0	18.39	18.39	18.37		
1.4	64QAM	3	1	18.39	18.51	18.41		
1.4	64QAM	3	3	18.36	18.46	18.45		
1.4	64QAM	6	0	18.35	18.46	18.36	16	3

Band 66

BW [MHz]	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	20.18	20.65	20.16	21	0
20	QPSK	1	49	20.36	20.20	20.23		
20	QPSK	1	99	20.45	20.48	20.18		
20	QPSK	50	0	20.40	20.63	20.35	21	0
20	QPSK	50	24	20.43	20.34	20.33		
20	QPSK	50	50	20.44	20.29	20.38		
20	QPSK	100	0	20.37	20.40	20.33		
20	16QAM	1	0	20.50	20.42	20.40	21	0
20	16QAM	1	49	20.36	20.31	20.27		
20	16QAM	1	99	20.49	20.48	20.14		
20	16QAM	50	0	20.10	20.02	20.07	21	0
20	16QAM	50	24	20.08	19.96	20.08		
20	16QAM	50	50	20.15	20.05	20.08		
20	16QAM	100	0	20.11	20.05	20.07		
20	64QAM	1	0	20.50	20.38	20.46	21	0
20	64QAM	1	49	20.22	20.15	20.12		
20	64QAM	1	99	20.34	20.35	20.21		
20	64QAM	50	0	20.12	20.04	20.09	21	0
20	64QAM	50	24	20.12	20.01	20.10		
20	64QAM	50	50	20.20	20.06	20.09		
20	64QAM	100	0	20.17	19.99	20.07		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	19.74	19.70	19.77	21	0
15	QPSK	1	37	20.17	20.00	19.99		
15	QPSK	1	74	20.09	20.00	20.06		
15	QPSK	36	0	20.27	20.15	20.13	21	0
15	QPSK	36	20	20.33	20.05	20.02		
15	QPSK	36	39	20.17	19.98	20.06		
15	QPSK	75	0	20.26	20.05	20.13		
15	16QAM	1	0	20.50	20.32	20.35	21	0
15	16QAM	1	37	20.36	20.23	20.32		
15	16QAM	1	74	20.44	20.22	20.17		
15	16QAM	36	0	20.33	20.11	20.23	21	0
15	16QAM	36	20	20.28	20.07	20.15		
15	16QAM	36	39	20.23	20.03	20.18		
15	16QAM	75	0	20.21	20.08	20.14		
15	64QAM	1	0	20.41	20.35	20.29	21	0
15	64QAM	1	37	20.38	20.19	20.17		
15	64QAM	1	74	20.40	20.17	20.16		
15	64QAM	36	0	20.32	20.08	20.24	21	0
15	64QAM	36	20	20.33	20.16	20.15		
15	64QAM	36	39	20.23	20.11	20.11		
15	64QAM	75	0	20.24	20.17	20.13		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	19.87	19.70	19.67	21	0
10	QPSK	1	25	20.06	20.06	20.11		
10	QPSK	1	49	20.04	19.96	20.05		
10	QPSK	25	0	20.10	20.03	20.11	21	0
10	QPSK	25	12	20.14	20.05	20.16		
10	QPSK	25	25	20.05	19.99	20.08		
10	QPSK	50	0	20.20	20.01	20.15		
10	16QAM	1	0	20.42	20.26	20.29	21	0
10	16QAM	1	25	20.51	20.41	20.29		
10	16QAM	1	49	20.36	20.12	20.20		
10	16QAM	25	0	20.32	20.09	20.16	21	0
10	16QAM	25	12	20.32	20.11	20.24		
10	16QAM	25	25	20.27	20.07	20.15		
10	16QAM	50	0	20.21	20.04	20.07		
10	64QAM	1	0	20.44	20.33	20.43	21	0
10	64QAM	1	25	20.37	20.29	20.32		
10	64QAM	1	49	20.35	20.16	20.24		
10	64QAM	25	0	20.39	20.11	20.09	21	0
10	64QAM	25	12	20.35	20.15	20.09		
10	64QAM	25	25	20.27	20.06	20.12		
10	64QAM	50	0	20.13	20.09	20.03		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	19.60	19.71	19.68	21	0
5	QPSK	1	12	19.95	19.89	19.98		
5	QPSK	1	24	20.03	19.83	19.90		
5	QPSK	12	0	20.09	19.95	19.90	21	0
5	QPSK	12	7	20.15	19.89	19.89		
5	QPSK	12	13	20.10	19.85	19.96		
5	QPSK	25	0	20.07	19.85	19.90		
5	16QAM	1	0	20.20	20.06	19.97	21	0
5	16QAM	1	12	20.38	20.06	20.29		
5	16QAM	1	24	20.23	20.17	20.17		
5	16QAM	12	0	20.09	19.95	19.99	21	0
5	16QAM	12	7	20.18	20.07	20.09		
5	16QAM	12	13	20.02	19.91	20.06		
5	16QAM	25	0	20.20	19.96	20.10		
5	64QAM	1	0	20.25	20.13	20.14	21	0
5	64QAM	1	12	20.31	20.15	20.16		
5	64QAM	1	24	20.19	20.08	20.20		
5	64QAM	12	0	20.08	20.02	20.02	21	0
5	64QAM	12	7	20.23	20.03	20.07		
5	64QAM	12	13	20.11	19.95	20.02		
5	64QAM	25	0	20.06	19.95	19.97		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	19.83	19.75	20.01	21	0
3	QPSK	1	8	19.95	19.91	20.14		
3	QPSK	1	14	20.04	20.10	20.17		
3	QPSK	8	0	20.12	20.10	20.09	21	0
3	QPSK	8	4	20.01	20.04	20.06		
3	QPSK	8	7	20.05	20.10	20.16		
3	QPSK	15	0	20.16	20.17	20.50		
3	16QAM	1	0

Band 41/Band 41 HPUE (2.6G Band)

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.56	20.65	20.77	20.54	20.67	21	0
20	QPSK	1	49	20.33	20.43	20.44	20.45	20.54		
20	QPSK	1	99	20.54	20.65	20.49	20.45	20.43		
20	QPSK	50	0	20.48	20.43	20.56	20.54	20.45	21	0
20	QPSK	50	24	20.49	20.38	20.32	20.26	20.12		
20	QPSK	50	50	20.45	20.37	20.55	20.34	20.43		
20	QPSK	100	0	20.48	20.37	20.32	20.16	20.05		
20	16QAM	1	0	20.48	20.29	20.27	20.04	20.34	21	0
20	16QAM	1	49	20.43	20.33	20.19	20.26	20.07		
20	16QAM	1	99	20.45	20.39	20.25	20.32	20.03		
20	16QAM	50	0	20.52	20.33	20.28	20.24	20.21	21	0
20	16QAM	50	24	20.5	20.41	20.37	20.28	20.14		
20	16QAM	50	50	20.49	20.40	20.37	20.14	20.12		
20	16QAM	100	0	20.49	20.41	20.34	20.18	20.07		
20	64QAM	1	0	20.22	20.13	20.13	20.21	20.00	21	0
20	64QAM	1	49	20.18	20.07	20.11	20.06	20.12		
20	64QAM	1	99	20.22	20.13	20.14	20.12	20.02		
20	64QAM	50	0	20.43	20.26	20.22	20.18	20.14	21	0
20	64QAM	50	24	20.45	20.35	20.29	20.25	20.07		
20	64QAM	50	50	20.41	20.35	20.30	20.09	20.05		
20	64QAM	100	0	20.52	20.43	20.39	20.22	20.10		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	20.39	20.52	20.47	20.28	20.32	21	0
15	QPSK	1	37	20.54	20.54	20.44	20.45	20.24		
15	QPSK	1	74	20.60	20.65	20.60	20.17	20.26		
15	QPSK	36	0	20.73	20.71	20.56	20.51	20.30	21	0
15	QPSK	36	20	20.73	20.70	20.61	20.55	20.43		
15	QPSK	36	39	20.72	20.68	20.59	20.46	20.42		
15	QPSK	75	0	20.76	20.70	20.66	20.51	20.38		
15	16QAM	1	0	20.75	20.69	20.58	20.48	20.31	21	0
15	16QAM	1	37	20.63	20.57	20.46	20.50	20.53		
15	16QAM	1	74	20.76	20.56	20.64	20.33	20.47		
15	16QAM	36	0	20.70	20.67	20.52	20.48	20.27	21	0
15	16QAM	36	20	20.73	20.66	20.58	20.52	20.36		
15	16QAM	36	39	20.72	20.68	20.57	20.42	20.37		
15	16QAM	75	0	20.67	20.74	20.65	20.51	20.43		
15	64QAM	1	0	20.62	20.49	20.36	20.54	20.34	21	0
15	64QAM	1	37	20.57	20.40	20.39	20.26	20.39		
15	64QAM	1	74	20.52	20.54	20.51	20.43	20.40		
15	64QAM	36	0	20.75	20.72	20.54	20.52	20.32	21	0
15	64QAM	36	20	20.76	20.70	20.62	20.57	20.43		
15	64QAM	36	39	20.75	20.71	20.62	20.45	20.40		
15	64QAM	75	0	20.66	20.70	20.75	20.52	20.39		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	20.35	20.05	20.20	20.33	20.35	21	0
10	QPSK	1	25	20.36	20.25	20.26	20.09	20.34		
10	QPSK	1	49	20.20	20.24	20.25	20.34	20.22		
10	QPSK	25	0	20.53	20.39	20.37	20.25	20.11	21	0
10	QPSK	25	12	20.54	20.43	20.36	20.34	20.15		
10	QPSK	25	25	20.52	20.44	20.35	20.21	20.07		
10	QPSK	50	0	20.53	20.43	20.38	20.25	20.06		
10	16QAM	1	0	20.61	20.39	20.41	20.32	20.43	21	0
10	16QAM	1	25	20.58	20.37	20.37	20.30	20.19		
10	16QAM	1	49	20.51	20.43	20.35	20.31	20.32		
10	16QAM	25	0	20.50	20.39	20.34	20.21	20.08	21	0
10	16QAM	25	12	20.54	20.48	20.42	20.38	20.20		
10	16QAM	25	25	20.42	20.39	20.34	20.23	20.04		
10	16QAM	50	0	20.51	20.46	20.41	20.26	20.09		
10	64QAM	1	0	20.40	20.45	20.18	20.43	20.32	21	0
10	64QAM	1	25	20.45	20.29	20.13	20.20	20.45		
10	64QAM	1	49	20.49	20.38	20.31	20.06	20.34		
10	64QAM	25	0	20.47	20.35	20.30	20.23	20.07	21	0
10	64QAM	25	12	20.53	20.47	20.39	20.40	20.15		
10	64QAM	25	25	20.50	20.39	20.32	20.18	20.03		
10	64QAM	50	0	20.48	20.42	20.33	20.24	20.07		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	20.41	20.32	20.24	20.22	19.96	21	0
5	QPSK	1	12	20.39	20.37	20.28	20.35	20.07		
5	QPSK	1	24	20.37	20.24	20.19	20.19	20.00		
5	QPSK	12	0	20.47	20.38	20.39	20.32	20.17	21	0
5	QPSK	12	7	20.50	20.43	20.42	20.35	20.23		
5	QPSK	12	13	20.45	20.39	20.40	20.32	20.16		
5	QPSK	25	0	20.44	20.37	20.39	20.31	20.14		
5	16QAM	1	0	20.50	20.45	20.37	20.34	20.23	21	0
5	16QAM	1	12	20.56	20.50	20.55	20.45	20.30		
5	16QAM	1	24	20.56	20.44	20.46	20.33	20.19		
5	16QAM	12	0	20.45	20.37	20.39	20.29	20.13	21	0
5	16QAM	12	7	20.50	20.37	20.39	20.34	20.16		
5	16QAM	12	13	20.43	20.38	20.39	20.27	20.17		
5	16QAM	25	0	20.49	20.43	20.44	20.33	20.17		
5	64QAM	1	0	20.29	20.16	20.12	20.10	19.94	21	0
5	64QAM	1	12	20.26	20.22	20.15	20.08	19.95		
5	64QAM	1	24	20.31	20.18	20.19	20.07	20.15		
5	64QAM	12	0	20.44	20.36	20.36	20.29	20.35	21	0
5	64QAM	12	7	20.47	20.40	20.40	20.31	20.14		
5	64QAM	12	13	20.43	20.36	20.36	20.28	20.11		
5	64QAM	25	0	20.48	20.36	20.37	20.28	20.15		

Full Power Mode

n2 (only SCS15KHz has 5M BW)

BW [MHz]	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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	23.27	23.39	23.21	24.0	0.0
20	PI/2 BPSK	1	53	23.27	23.26	23.26		
20	PI/2 BPSK	1	104	23.34	23.12	23.14		
20	PI/2 BPSK	50	0	22.80	22.80	22.74	24.0	0.0
20	PI/2 BPSK	50	28	23.12	23.10	23.04		
20	PI/2 BPSK	50	56	22.74	22.69	22.64		
20	PI/2 BPSK	100	0	22.64	22.67	22.60	23.5	0.5
20	QPSK	1	1	23.19	23.25	23.20	24.0	0.0
20	QPSK	1	53	23.20	23.25	23.16		
20	QPSK	1	104	23.05	23.03	22.98		
20	QPSK	50	0	22.36	22.31	22.26	24.0	0.0
20	QPSK	50	28	23.29	23.16	23.15		
20	QPSK	50	56	22.38	22.27	22.20		
20	QPSK	100	0	22.35	22.31	22.24	23.0	1.0
20	16QAM	1	1	22.45	22.43	22.36	23.0	1.0
20	64QAM	1	1	21.06	20.80	20.95	21.5	2.5
20	256QAM	1	1	18.94	18.54	18.61	19.5	4.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	PI/2 BPSK	1	1	23.26	23.24	23.06	24.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	PI/2 BPSK	1	1	23.10	23.07	22.96	24.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	PI/2 BPSK	1	1	23.14	23.10	23.04	24.0	0.0

n5 (only SCS15KHz has 5M BW)

BW [MHz]	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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.26	23.31	22.95	24.0	0.0
20	PI/2 BPSK	1	53	22.98	23.30	22.82		
20	PI/2 BPSK	1	104	23.04	23.03	22.73		
20	PI/2 BPSK	50	0	22.35	22.85	22.38	24.0	0.0
20	PI/2 BPSK	50	28	22.80	22.68	22.60		
20	PI/2 BPSK	50	56	22.30	22.44	22.13		
20	PI/2 BPSK	100	0	22.57	22.63	22.10	23.5	0.5
20	QPSK	1	1	23.07	22.95	22.95	24.0	0.0
20	QPSK	1	53	23.13	22.94	22.77		
20	QPSK	1	104	23.17	22.91	22.66		
20	QPSK	50	0	22.58	22.65	22.74	24.0	0.0
20	QPSK	50	28	22.81	22.70	22.86		
20	QPSK	50	56	22.84	22.65	22.57		
20	QPSK	100	0	21.91	21.29	20.36	23.0	1.0
20	16QAM	1	1	22.11	22.23	22.02	23.0	1.0
20	64QAM	1	1	20.68	20.33	20.25	21.5	2.5
20	256QAM	1	1	18.15	18.37	18.19	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	PI/2 BPSK	1	1	23.19	23.17	22.99	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	PI/2 BPSK	1	1	23.14	22.99	22.76	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	PI/2 BPSK	1	1	23.25	23.07	22.87	24.0	0.0

n25

BW [MHz]	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	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	PI/2 BPSK	1	1	23.22	23.23	22.90	24.0	0.0
20	PI/2 BPSK	1	53	23.12	23.04	22.85		
20	PI/2 BPSK	1	104	23.17	23.02	22.81		
20	PI/2 BPSK	50	0	22.69	23.11	22.52	24.0	0.0
20	PI/2 BPSK	50	28	23.10	23.03	22.99		
20	PI/2 BPSK	50	56	22.70	22.56	22.49		
20	PI/2 BPSK	100	0	22.71	22.61	22.51	23.5	0.5
20	QPSK	1	1	23.20	23.17	23.07	24.0	0.0
20	QPSK	1	53	23.15	23.03	23.03		
20	QPSK	1	104	23.21	23.02	22.90		
20	QPSK	50	0	22.20	22.29	22.08	24.0	0.0
20	QPSK	50	28	23.15	22.15	22.96		
20	QPSK	50	56	22.23	22.13	21.97		
20	QPSK	100	0	22.24	22.08	22.02	23.0	1.0
20	16QAM	1	1	22.26	22.40	22.47	23.0	1.0
20	64QAM	1	1	20.65	20.69	20.92	21.5	2.5
20	256QAM	1	1	18.35	18.73	18.56	19.5	4.5
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	PI/2 BPSK	1	1	23.17	22.96	22.13	24.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	PI/2 BPSK	1	1	23.13	23.05	23.08	24.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	PI/2 BPSK	1	1	23.05	23.12	23.06	24.0	0.0

n66 (only SCS15KHz has 5M BW)								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	23.08	23.27	23.00	24.0	0.0
20	PI/2 BPSK	1	53	23.10	23.20	23.01		
20	PI/2 BPSK	1	104	23.06	23.12	23.05		
20	PI/2 BPSK	50	0	22.56	22.96	22.59	24.0	0.0
20	PI/2 BPSK	50	28	22.91	22.90	22.87		
20	PI/2 BPSK	50	56	22.52	22.54	22.49		
20	PI/2 BPSK	100	0	22.44	22.58	22.55	23.5	0.5
20	QPSK	1	1	23.07	23.20	23.13	24.0	0.0
20	QPSK	1	53	23.15	23.25	23.16		
20	QPSK	1	104	22.96	23.06	22.94		
20	QPSK	50	0	22.07	22.15	22.03	24.0	0.0
20	QPSK	50	28	23.05	23.08	23.02		
20	QPSK	50	56	22.02	22.11	21.97		
20	QPSK	100	0	22.08	22.16	22.05	23.0	1.0
20	16QAM	1	1	22.26	22.35	22.33	23.0	1.0
20	64QAM	1	1	20.86	21.04	21.02	21.5	2.5
20	256QAM	1	1	18.85	18.74	18.61	19.5	4.5
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	PI/2 BPSK	1	1	22.99	23.15	22.95	24.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	PI/2 BPSK	1	1	22.96	23.14	22.89	24.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	PI/2 BPSK	1	1	22.91	23.09	22.82	24.0	0.0

n71 (only SCS15KHz has 5M BW)								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	23.15	23.49	23.49	24.0	0.0
20	PI/2 BPSK	1	53	23.00	23.39	23.39		
20	PI/2 BPSK	1	104	23.05	23.16	23.16		
20	PI/2 BPSK	50	0	22.65	23.25	22.94	24.0	0.0
20	PI/2 BPSK	50	28	23.03	23.20	23.25		
20	PI/2 BPSK	50	56	22.70	22.91	22.91		
20	PI/2 BPSK	100	0	22.72	22.72	22.72	23.5	0.5
20	QPSK	1	1	22.90	23.40	23.40	24.0	0.0
20	QPSK	1	53	23.26	23.39	23.39		
20	QPSK	1	104	23.09	23.13	23.13		
20	QPSK	50	0	22.25	23.36	23.36	24.0	0.0
20	QPSK	50	28	23.17	23.35	23.35		
20	QPSK	50	56	22.21	22.41	22.41		
20	QPSK	100	0	22.30	22.33	22.33	23.0	1.0
20	16QAM	1	1	22.05	22.75	22.75	23.0	1.0
20	64QAM	1	1	20.28	21.36	21.36	21.5	2.5
20	256QAM	1	1	18.40	18.99	18.99	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	PI/2 BPSK	1	1	23.26	23.17	23.01	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	PI/2 BPSK	1	1	23.17	22.94	23.10	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	PI/2 BPSK	1	1	23.37	23.13	23.06	24.0	0.0

n12								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	23.26	23.46	23.21	24.0	0.0
15	PI/2 BPSK	1	40	23.05	23.27	23.16		
15	PI/2 BPSK	1	77	23.08	23.42	23.11		
15	PI/2 BPSK	36	0	22.61	23.07	22.71	24.0	0.0
15	PI/2 BPSK	36	22	23.02	23.00	23.03		
15	PI/2 BPSK	36	43	22.70	22.81	23.01		
15	PI/2 BPSK	75	0	20.09	21.86	22.75	23.5	0.5
15	QPSK	1	1	23.11	23.15	23.25	24.0	0.0
15	QPSK	1	40	23.04	23.11	23.03		
15	QPSK	1	77	23.01	23.04	23.10		
15	QPSK	36	0	22.16	22.12	22.27	24.0	0.0
15	QPSK	36	22	23.04	23.00	23.15		
15	QPSK	36	43	22.89	23.01	22.71		
15	QPSK	75	0	22.17	22.14	22.14	23.0	1.0
15	16QAM	1	1	22.71	22.26	22.85	23.0	1.0
15	64QAM	1	1	20.67	20.58	20.86	21.5	2.5
15	256QAM	1	1	18.59	18.55	18.81	19.5	4.5
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	PI/2 BPSK	1	1	23.06	23.00	23.02	24.0	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	PI/2 BPSK	1	1	23.22	23.07	23.12	24.0	0.0

n41 for FCC

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.60	23.74	23.70	24.0	0.0
100	PI/2 BPSK	1	137	23.14	23.30	23.35		
100	PI/2 BPSK	1	271	22.77	22.65	22.57		
100	PI/2 BPSK	135	0	23.22	23.37	23.00	24.0	0.0
100	PI/2 BPSK	135	69	22.99	23.35	23.12		
100	PI/2 BPSK	135	138	22.85	23.27	22.98		
100	PI/2 BPSK	270	0	22.70	23.00	22.87	24.0	0.0
100	QPSK	1	1	22.61	22.50	22.70	24.0	0.0
100	QPSK	1	137	23.08	23.25	23.10		
100	QPSK	1	271	22.73	22.70	22.65		
100	QPSK	135	0	23.43	22.94	23.11	24.0	0.0
100	QPSK	135	69	23.34	23.50	23.29		
100	QPSK	135	138	22.78	23.40	22.99		
100	QPSK	270	0	22.84	23.02	22.90	24.0	0.0
100	16QAM	1	1	22.62	22.72	22.13	23.0	1.0
100	64QAM	1	1	22.44	22.65	22.01	23.0	1.0
100	256QAM	1	1	20.78	21.05	20.68	22.0	2.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	23.00	23.00	22.91	24.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	22.94	22.81	22.86	24.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	22.80	22.85	22.97	24.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	22.73	22.94	23.00	24.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	22.87	23.27	23.05	24.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	23.12	23.07	22.94	24.0	0.0

n41 for FCC HPUE

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	26.52	26.77	25.69	27.0	0.0
100	PI/2 BPSK	1	137	25.70	26.76	26.27		
100	PI/2 BPSK	1	271	25.69	25.21	25.80		
100	PI/2 BPSK	135	0	25.45	26.53	25.56	27.0	0.0
100	PI/2 BPSK	135	69	25.84	26.00	26.06		
100	PI/2 BPSK	135	138	24.64	25.72	25.46		
100	PI/2 BPSK	270	0	25.20	25.86	25.55	27.0	0.5
100	QPSK	1	1	25.71	25.82	25.58	27.0	0.0
100	QPSK	1	137	25.65	26.70	26.19		
100	QPSK	1	271	25.86	25.08	25.50		
100	QPSK	135	0	24.98	25.29	24.83	27.0	0.0
100	QPSK	135	69	25.94	26.52	24.88		
100	QPSK	135	138	24.65	25.20	25.19		
100	QPSK	270	0	24.30	25.37	24.73	26.0	1.0
100	16QAM	1	1	24.72	25.20	24.67	26.0	1.0
100	64QAM	1	1	23.55	23.80	23.53	24.5	2.5
100	256QAM	1	1	20.98	21.34	20.86	22.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	26.36	26.31	26.12	27.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	26.28	26.20	25.97	27.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	26.24	26.15	26.02	27.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	26.46	26.30	25.89	27.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	26.32	26.25	26.11	27.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	26.41	26.25	26.08	27.0	0.0

Reduced Power Mode for Receiver On

n2 (only SCS15KHz has 5M BW)

BW [MHz]	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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	14.84	15.01	14.90	15.5	0.0
20	PI/2 BPSK	1	53	14.73	14.95	14.96		
20	PI/2 BPSK	1	104	14.71	14.96	15.01		
20	PI/2 BPSK	50	0	14.21	14.92	14.35	15.5	0.0
20	PI/2 BPSK	50	28	14.70	14.83	14.76		
20	PI/2 BPSK	50	56	14.60	14.40	14.61		
20	PI/2 BPSK	100	0	14.35	14.20	14.32	15.5	0.0
20	QPSK	1	1	14.80	14.60	14.82	15.5	0.0
20	QPSK	1	53	14.85	14.82	14.92		
20	QPSK	1	104	14.88	14.76	14.82		
20	QPSK	50	0	14.91	14.79	14.72	15.5	0.0
20	QPSK	50	28	14.52	14.67	14.82		
20	QPSK	50	56	14.90	14.79	14.90		
20	QPSK	100	0	14.73	14.91	14.83	15.5	0.0
20	16QAM	1	1	14.70	14.82	14.73	15.5	0.0
20	64QAM	1	1	14.65	14.80	14.86	15.5	0.0
20	256QAM	1	1	14.82	14.69	14.78	15.5	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	PI/2 BPSK	1	1	14.51	14.34	14.43	15.5	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	PI/2 BPSK	1	1	14.24	14.11	14.27	15.5	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	PI/2 BPSK	1	1	14.52	14.71	14.80	15.5	0.0

n25

BW [MHz]	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	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	PI/2 BPSK	1	1	14.91	15.09	14.94	15.5	0.0
20	PI/2 BPSK	1	53	14.81	14.98	15.03		
20	PI/2 BPSK	1	104	15.00	15.07	15.05		
20	PI/2 BPSK	50	0	14.23	14.98	14.37	15.5	0.0
20	PI/2 BPSK	50	28	14.74	14.86	14.80		
20	PI/2 BPSK	50	56	14.61	14.39	14.64		
20	PI/2 BPSK	100	0	14.38	14.19	14.35	15.5	0.0
20	QPSK	1	1	14.82	14.63	14.84	15.5	0.0
20	QPSK	1	53	14.79	14.85	14.97		
20	QPSK	1	104	14.77	14.84	14.90		
20	QPSK	50	0	14.90	14.86	14.76	15.5	0.0
20	QPSK	50	28	14.58	14.70	14.87		
20	QPSK	50	56	14.93	14.82	14.93		
20	QPSK	100	0	14.76	14.93	14.89	15.5	0.0
20	16QAM	1	1	14.71	14.83	14.75	15.5	0.0
20	64QAM	1	1	14.67	14.82	14.97	15.5	0.0
20	256QAM	1	1	14.86	14.73	14.91	15.5	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	PI/2 BPSK	1	1	14.48	14.39	14.51	15.5	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	PI/2 BPSK	1	1	14.27	14.16	14.34	15.5	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	PI/2 BPSK	1	1	14.59	14.78	14.86	15.5	0.0

n66 (only SCS15KHz has 5M BW)

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	14.89	14.99	14.80	15.5	0.0
20	PI/2 BPSK	1	53	14.72	14.81	14.63		
20	PI/2 BPSK	1	104	14.78	14.92	14.68		
20	PI/2 BPSK	50	0	14.75	14.91	14.71	15.5	0.0
20	PI/2 BPSK	50	28	14.69	14.83	14.60		
20	PI/2 BPSK	50	56	14.70	14.90	14.72		
20	PI/2 BPSK	100	0	14.75	14.88	14.71	15.5	0.0
20	QPSK	1	1	14.81	14.93	14.75	15.5	0.0
20	QPSK	1	53	14.90	14.97	14.98		
20	QPSK	1	104	14.84	14.93	14.70		
20	QPSK	50	0	14.68	14.81	14.62	15.5	0.0
20	QPSK	50	28	14.72	14.83	14.66		
20	QPSK	50	56	14.66	14.83	14.59		
20	QPSK	100	0	14.69	14.86	14.67	15.5	0.0
20	16QAM	1	1	14.70	14.78	14.58	15.5	0.0
20	64QAM	1	1	14.59	14.74	14.51	15.5	0.0
20	256QAM	1	1	14.55	14.66	14.47	15.5	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	PI/2 BPSK	1	1	14.75	14.82	14.80	15.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	PI/2 BPSK	1	1	14.83	14.77	14.83	15.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	PI/2 BPSK	1	1	14.74	14.86	14.68	15.5	0.0

n41/n41 HPUE for FCC Power Class 2&3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	16.02	16.89	16.04	17.0	0.0
100	PI/2 BPSK	1	137	16.09	16.48	16.15		
100	PI/2 BPSK	1	271	15.15	15.28	15.12		
100	PI/2 BPSK	135	0	16.37	16.87	16.51	17.0	0.0
100	PI/2 BPSK	135	69	16.47	16.75	16.53		
100	PI/2 BPSK	135	138	15.84	16.12	15.97		
100	PI/2 BPSK	270	0	15.38	15.69	15.55	17.0	0.0
100	QPSK	1	1	15.26	15.48	15.33	17.0	0.0
100	QPSK	1	137	15.97	16.30	16.05		
100	QPSK	1	271	15.23	15.20	15.13		
100	QPSK	135	0	16.42	16.76	16.42	17.0	0.0
100	QPSK	135	69	16.44	16.79	16.49		
100	QPSK	135	138	15.78	15.96	15.75		
100	QPSK	270	0	16.09	16.43	16.14	17.0	0.0
100	16QAM	1	1	15.32	15.38	15.43	17.0	0.0
100	64QAM	1	1	15.25	15.36	15.30	17.0	0.0
100	256QAM	1	1	15.36	15.29	15.18	17.0	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	15.53	15.78	15.42	17.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	15.42	15.86	15.56	17.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	15.44	15.63	15.37	17.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	15.57	15.81	15.59	17.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	15.76	16.05	15.68	17.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	15.48	15.75	15.41	17.0	0.0

Reduced Power Mode for Sensor On&Hotspot on

n2 (only SCS15KHz has 5M BW)								
BW [MHz]	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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	14.84	15.01	14.90	15.5	0.0
20	PI/2 BPSK	1	53	14.73	14.95	14.96		
20	PI/2 BPSK	1	104	14.71	14.96	15.01		
20	PI/2 BPSK	50	0	14.21	14.92	14.35	15.5	0.0
20	PI/2 BPSK	50	28	14.70	14.83	14.76		
20	PI/2 BPSK	50	56	14.60	14.40	14.61		
20	PI/2 BPSK	100	0	14.35	14.20	14.32	15.5	0.0
20	QPSK	1	1	14.80	14.60	14.82	15.5	0.0
20	QPSK	1	53	14.85	14.82	14.92		
20	QPSK	1	104	14.88	14.76	14.82		
20	QPSK	50	0	14.91	14.79	14.72	15.5	0.0
20	QPSK	50	28	14.52	14.67	14.82		
20	QPSK	50	56	14.90	14.79	14.90		
20	QPSK	100	0	14.73	14.91	14.83	15.5	0.0
20	16QAM	1	1	14.70	14.82	14.73	15.5	0.0
20	64QAM	1	1	14.65	14.80	14.86	15.5	0.0
20	256QAM	1	1	14.82	14.69	14.78	15.5	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	PI/2 BPSK	1	1	14.51	14.34	14.43	15.5	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	PI/2 BPSK	1	1	14.24	14.11	14.27	15.5	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	PI/2 BPSK	1	1	14.52	14.71	14.80	15.5	0.0

n5 (Sensor & Hotspot)								
BW [MHz]	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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.26	23.31	22.95	23.5	0.0
20	PI/2 BPSK	1	53	22.98	23.30	22.82		
20	PI/2 BPSK	1	104	23.04	23.03	22.73		
20	PI/2 BPSK	50	0	22.35	22.85	22.38	23.5	0.0
20	PI/2 BPSK	50	28	22.80	22.68	22.60		
20	PI/2 BPSK	50	56	22.30	22.44	22.13		
20	PI/2 BPSK	100	0	22.57	22.63	22.10	23.0	0.5
20	QPSK	1	1	23.07	22.95	22.95	23.5	0.0
20	QPSK	1	53	23.13	22.94	22.77		
20	QPSK	1	104	23.17	22.91	22.66		
20	QPSK	50	0	22.58	22.65	22.74	23.5	0.0
20	QPSK	50	28	22.81	22.70	22.86		
20	QPSK	50	56	22.84	22.65	22.57		
20	QPSK	100	0	21.91	21.29	20.36	22.5	1.0
20	16QAM	1	1	22.11	22.23	22.02	22.5	1.0
20	64QAM	1	1	20.68	20.33	20.25	21.0	2.5
20	256QAM	1	1	18.15	18.37	18.19	19.0	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	PI/2 BPSK	1	1	23.19	23.17	22.99	23.5	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	PI/2 BPSK	1	1	23.14	22.99	22.76	23.5	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	PI/2 BPSK	1	1	23.25	23.07	22.87	23.5	0.0

n25（Sensor&Hotspot）

BW [MHz]	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	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	PI/2 BPSK	1	1	14.91	15.09	14.94	15.5	0.0
20	PI/2 BPSK	1	53	14.81	14.98	15.03		
20	PI/2 BPSK	1	104	15.00	15.07	15.05		
20	PI/2 BPSK	50	0	14.23	14.98	14.37	15.5	0.0
20	PI/2 BPSK	50	28	14.74	14.86	14.80		
20	PI/2 BPSK	50	56	14.61	14.39	14.64		
20	PI/2 BPSK	100	0	14.38	14.19	14.35	15.5	0.0
20	QPSK	1	1	14.82	14.63	14.84	15.5	0.0
20	QPSK	1	53	14.79	14.85	14.97		
20	QPSK	1	104	14.77	14.84	14.90		
20	QPSK	50	0	14.90	14.86	14.76	15.5	0.0
20	QPSK	50	28	14.58	14.70	14.87		
20	QPSK	50	56	14.93	14.82	14.93		
20	QPSK	100	0	14.76	14.93	14.89	15.5	0.0
20	16QAM	1	1	14.71	14.83	14.75	15.5	0.0
20	64QAM	1	1	14.67	14.82	14.97	15.5	0.0
20	256QAM	1	1	14.86	14.73	14.91	15.5	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	PI/2 BPSK	1	1	14.48	14.39	14.51	15.5	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	PI/2 BPSK	1	1	14.27	14.16	14.34	15.5	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	PI/2 BPSK	1	1	14.59	14.78	14.86	15.5	0.0

n66 (only SCS15KHz has 5M BW)

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	15.97	16.28	15.93	17.0	0.0
20	PI/2 BPSK	1	53	15.67	16.12	15.83		
20	PI/2 BPSK	1	104	15.92	16.13	15.70		
20	PI/2 BPSK	50	0	15.98	16.09	15.91	17.0	0.0
20	PI/2 BPSK	50	28	15.74	16.07	15.65		
20	PI/2 BPSK	50	56	15.75	16.04	15.66		
20	PI/2 BPSK	100	0	15.81	16.13	15.71	17.0	0.0
20	QPSK	1	1	15.87	16.06	15.81	17.0	0.0
20	QPSK	1	53	15.67	16.09	15.65		
20	QPSK	1	104	15.73	16.03	15.63		
20	QPSK	50	0	15.73	16.04	15.73	17.0	0.0
20	QPSK	50	28	15.65	16.13	15.63		
20	QPSK	50	56	15.78	15.99	15.66		
20	QPSK	100	0	15.68	16.01	15.71	17.0	0.0
20	16QAM	1	1	15.75	16.20	15.55	17.0	0.0
20	64QAM	1	1	15.62	15.95	15.58	17.0	0.0
20	256QAM	1	1	15.59	15.79	15.63	17.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	PI/2 BPSK	1	1	15.91	15.89	15.91	17.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	PI/2 BPSK	1	1	15.75	15.78	15.74	17.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	PI/2 BPSK	1	1	15.79	15.75	15.67	17.0	0.0

n41/n41 HPUE for FCC								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	16.02	16.89	16.04	17.0	0.0
100	PI/2 BPSK	1	137	16.09	16.48	16.15		
100	PI/2 BPSK	1	271	15.15	15.28	15.12		
100	PI/2 BPSK	135	0	16.37	16.87	16.51	17.0	0.0
100	PI/2 BPSK	135	69	16.47	16.75	16.53		
100	PI/2 BPSK	135	138	15.84	16.12	15.97		
100	PI/2 BPSK	270	0	15.38	15.69	15.55	17.0	0.0
100	QPSK	1	1	15.26	15.48	15.33	17.0	0.0
100	QPSK	1	137	15.97	16.30	16.05		
100	QPSK	1	271	15.23	15.20	15.13		
100	QPSK	135	0	16.42	16.76	16.42	17.0	0.0
100	QPSK	135	69	16.44	16.79	16.49		
100	QPSK	135	138	15.78	15.96	15.75		
100	QPSK	270	0	16.09	16.43	16.14	17.0	0.0
100	16QAM	1	1	15.32	15.38	15.43	17.0	0.0
100	64QAM	1	1	15.25	15.36	15.30	17.0	0.0
100	256QAM	1	1	15.36	15.29	15.18	17.0	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	15.53	15.78	15.42	17.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	15.42	15.86	15.56	17.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	15.44	15.63	15.37	17.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	15.57	15.81	15.59	17.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	15.76	16.05	15.68	17.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	15.48	15.75	15.41	17.0	0.0

Reduced Power Mode for Handheld On

n2 (only SCS15KHz has 5M BW)

BW [MHz]	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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	19.16	19.25	19.05	19.5	0.0
20	PI/2 BPSK	1	53	19.15	19.23	19.06		
20	PI/2 BPSK	1	104	19.11	19.22	19.01		
20	PI/2 BPSK	50	0	19.08	19.19	19.08	19.5	0.0
20	PI/2 BPSK	50	28	19.07	19.16	19.04		
20	PI/2 BPSK	50	56	19.09	19.17	19.10		
20	PI/2 BPSK	100	0	19.09	19.13	19.04	19.5	0.0
20	QPSK	1	1	20.52	20.60	20.55	19.5	0.0
20	QPSK	1	53	20.72	20.80	20.68		
20	QPSK	1	104	20.76	21.00	20.68		
20	QPSK	50	0	20.69	20.81	20.58	19.5	0.0
20	QPSK	50	28	20.86	20.79	20.66		
20	QPSK	50	56	19.15	19.16	19.11		
20	QPSK	100	0	19.17	19.15	19.08	19.5	0.0
20	16QAM	1	1	19.22	19.30	19.11	19.5	0.0
20	64QAM	1	1	19.02	18.89	18.87	19.5	0.0
20	256QAM	1	1	19.14	19.15	19.10	19.5	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	PI/2 BPSK	1	1	19.10	19.13	19.07	19.5	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	PI/2 BPSK	1	1	19.02	18.95	18.94	19.5	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	PI/2 BPSK	1	1	19.01	18.97	18.96	19.5	0.0

n25

BW [MHz]	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	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	PI/2 BPSK	1	1	19.13	19.20	19.15	19.5	0.0
20	PI/2 BPSK	1	53	19.15	19.14	19.18		
20	PI/2 BPSK	1	104	19.16	19.16	19.17		
20	PI/2 BPSK	50	0	19.17	19.19	19.15	19.5	0.0
20	PI/2 BPSK	50	28	19.11	19.17	19.13		
20	PI/2 BPSK	50	56	19.13	19.18	19.17		
20	PI/2 BPSK	100	0	19.08	19.11	19.01	19.5	0.0
20	QPSK	1	1	19.10	19.07	19.04	19.5	0.0
20	QPSK	1	53	19.17	19.20	19.19		
20	QPSK	1	104	19.16	19.18	19.19		
20	QPSK	50	0	19.10	19.12	19.10	19.5	0.0
20	QPSK	50	28	19.13	19.12	19.08		
20	QPSK	50	56	19.09	19.13	19.11		
20	QPSK	100	0	19.12	19.14	19.13	19.5	S
20	16QAM	1	1	19.01	18.93	18.99	19.5	0.0
20	64QAM	1	1	19.03	19.17	19.07	19.5	0.0
20	256QAM	1	1	18.97	18.92	19.01	19.5	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	PI/2 BPSK	1	1	19.06	19.20	19.10	19.5	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	PI/2 BPSK	1	1	19.01	18.97	19.02	19.5	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	PI/2 BPSK	1	1	19.14	19.17	19.20	19.5	0.0

n66 (only SCS15KHz has 5M BW)

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	19.91	19.99	19.94	20.5	0.0
20	PI/2 BPSK	1	53	19.83	19.85	19.82		
20	PI/2 BPSK	1	104	19.93	19.88	19.89		
20	PI/2 BPSK	50	0	19.90	19.96	19.82	20.5	0.0
20	PI/2 BPSK	50	28	19.89	19.83	19.81		
20	PI/2 BPSK	50	56	19.88	19.86	19.85		
20	PI/2 BPSK	100	0	19.85	19.91	19.84	20.5	0.0
20	QPSK	1	1	19.97	19.94	19.94	20.5	0.0
20	QPSK	1	53	19.87	19.91	19.95		
20	QPSK	1	104	19.92	19.84	19.98		
20	QPSK	50	0	19.97	19.78	19.89	20.5	0.0
20	QPSK	50	28	19.90	19.77	19.87		
20	QPSK	50	56	19.89	19.87	19.88		
20	QPSK	100	0	19.98	19.77	19.86	20.5	0.0
20	16QAM	1	1	19.99	19.94	19.95	20.5	0.0
20	64QAM	1	1	19.87	19.79	19.95	20.5	0.0
20	256QAM	1	1	18.95	18.67	18.76	19.5	1.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	PI/2 BPSK	1	1	19.97	19.98	19.89	20.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	PI/2 BPSK	1	1	19.90	19.77	19.80	20.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	PI/2 BPSK	1	1	19.87	19.78	19.84	20.5	0.0

n41/n41 HPUE for FCC

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	21.12	21.27	21.24	21.5	0.0
100	PI/2 BPSK	1	137	21.07	21.19	21.11		
100	PI/2 BPSK	1	271	20.96	21.14	21.03		
100	PI/2 BPSK	135	0	21.16	21.24	21.09	21.5	0.0
100	PI/2 BPSK	135	69	20.99	21.11	21.00		
100	PI/2 BPSK	135	138	20.28	21.08	20.29		
100	PI/2 BPSK	270	0	20.89	21.01	20.72	21.5	0.0
100	QPSK	1	1	20.94	21.01	20.90	21.5	0.0
100	QPSK	1	137	20.94	20.95	20.96		
100	QPSK	1	271	20.99	20.97	21.00		
100	QPSK	135	0	20.70	20.82	20.70	21.5	0.0
100	QPSK	135	69	20.63	20.56	20.65		
100	QPSK	135	138	20.50	20.64	20.66		
100	QPSK	270	0	20.67	20.73	20.68	21.5	0.0
100	16QAM	1	1	20.02	19.97	20.06	21.5	0.0
100	64QAM	1	1	20.31	20.29	20.17	21.5	0.0
100	256QAM	1	1	20.03	19.95	19.98	20.5	1.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	21.00	21.09	21.07	21.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	20.87	20.99	20.79	21.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	20.92	20.86	20.92	21.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	21.03	21.07	21.01	21.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	21.07	21.03	21.00	21.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	20.91	20.95	21.01	21.5	0.0

2.4GHz WLAN	Ant 1+2 Full Power					
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	23.22	24.00	100.00
		6	2437	23.10	24.00	
		11	2462	23.02	24.00	
	802.11g 6Mbps	1	2412	21.82	22.50	97.94
		6	2437	21.80	22.50	
		11	2462	20.02	20.50	
	802.11n-HT20 MCS0	1	2412	21.23	22.50	98.16
		6	2437	21.64	22.50	
		11	2462	20.29	20.50	

2.4GHz WLAN	Ant 1+2 for Head					
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	21.68	22.00	100.00
		6	2437	21.65	22.00	
		11	2462	21.38	22.00	
	802.11g 6Mbps	1	2412	Not Required	22.00	97.94
		6	2437		22.00	
		11	2462		20.50	
	802.11n-HT20 MCS0	1	2412		22.00	98.16
		6	2437		22.00	
		11	2462		20.50	

2.4GHz WLAN	Ant 1+2 for Body Worn/Hotspot					
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	20.21	21.00	100.00
		6	2437	20.07	21.00	
		11	2462	19.84	21.00	
	802.11g 6Mbps	1	2412	Not Required	21.00	97.94
		6	2437		21.00	
		11	2462		20.50	
	802.11n-HT20 MCS0	1	2412		21.00	98.16
		6	2437		21.00	
		11	2462		20.50	

2.4GHz WLAN	Ant 1+2 for Simultaneous-Handheld					
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	23.22	24.00	100.00
		6	2437	23.10	24.00	
		11	2462	23.02	24.00	
	802.11g 6Mbps	1	2412	Not Required	22.50	97.94
		6	2437		22.50	
		11	2462		20.50	
	802.11n-HT20 MCS0	1	2412		22.50	98.16
		6	2437		22.50	
		11	2462		20.50	

5GHz WLAN	Ant 1+2 Full Power					
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	20.56	21.50	97.93
		40	5200	20.72	21.50	
		44	5220	20.71	21.50	
		48	5240	20.78	21.50	
	802.11n-HT20 MCS0	36	5180	20.78	21.50	97.79
		40	5200	20.77	21.50	
		44	5220	20.73	21.50	
		48	5240	20.98	21.50	
	802.11n-HT40 MCS0	38	5190	20.81	21.00	96.32
		46	5230	20.95	21.00	
	802.11ac-VHT20 MCS0	36	5180	20.51	21.50	97.43
		40	5200	20.73	21.50	
		44	5220	20.73	21.50	
		48	5240	20.70	21.50	
	802.11ac-VHT40 MCS0	38	5190	20.94	21.00	96.32
		46	5230	20.93	21.00	
	802.11ac-VHT80 MCS0	42	5210	19.33	20.00	93.33

5GHz WLAN	Ant 1+2 for Head					
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	20.56	21.00	97.93
		40	5200	20.72	21.00	
		44	5220	20.71	21.00	
		48	5240	20.78	21.00	
	802.11n-HT20 MCS0	36	5180	Not Required	21.00	97.79
		40	5200		21.00	
		44	5220		21.00	
		48	5240		21.00	
	802.11n-HT40 MCS0	38	5190		20.50	96.32
		46	5230		20.50	
	802.11ac-VHT20 MCS0	36	5180		21.00	97.43
		40	5200		21.00	
		44	5220		21.00	
		48	5240		21.00	
	802.11ac-VHT40 MCS0	38	5190		20.50	96.32
		46	5230		20.50	
	802.11ac-VHT80 MCS0	42	5210		20.00	93.33

5GHz WLAN	Ant 1+2 for Body Worn/Hotspot					
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	16.98	17.50	97.93
		40	5200	17.00	17.50	
		44	5220	17.01	17.50	
		48	5240	16.92	17.50	
	802.11n-HT20 MCS0	36	5180	Not Required	17.50	97.79
		40	5200		17.50	
		44	5220		17.50	
		48	5240		17.50	
	802.11n-HT40 MCS0	38	5190		17.00	96.32
		46	5230		17.00	
	802.11ac-VHT20 MCS0	36	5180		17.50	97.43
		40	5200		17.50	
		44	5220		17.50	
		48	5240		17.50	
	802.11ac-VHT40 MCS0	38	5190		17.00	96.32
		46	5230		17.00	
	802.11ac-VHT80 MCS0	42	5210		17.00	93.33

5GHz WLAN	Ant 1+2 for Simultaneous-Handheld					
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	20.56	21.00	97.93
		40	5200	20.72	21.00	
		44	5220	20.71	21.00	
		48	5240	20.78	21.00	
	802.11n-HT20 MCS0	36	5180	Not Required	21.00	97.79
		40	5200		21.00	
		44	5220		21.00	
		48	5240		21.00	
	802.11n-HT40 MCS0	38	5190		21.00	96.32
		46	5230		21.00	
	802.11ac-VHT20 MCS0	36	5180		21.00	97.43
		40	5200		21.00	
		44	5220		21.00	
		48	5240		21.00	
	802.11ac-VHT40 MCS0	38	5190		21.00	96.32
		46	5230		21.00	
	802.11ac-VHT80 MCS0	42	5210		20.00	93.33

5GHz WLAN	Ant 1+2 Full Power					
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	20.43	21.50	97.93
		56	5280	20.32	21.50	
		60	5300	20.39	21.50	
		64	5320	20.38	21.50	
	802.11n-HT20 MCS0	52	5260	20.65	21.50	97.79
		56	5280	20.50	21.50	
		60	5300	20.50	21.50	
		64	5320	20.51	21.50	
	802.11n-HT40 MCS0	54	5270	20.99	21.00	96.32
		62	5310	20.25	21.00	
	802.11ac-VHT20 MCS0	52	5260	20.62	21.50	97.43
		56	5280	20.46	21.50	
		60	5300	20.46	21.50	
		64	5320	20.47	21.50	
	802.11ac-VHT40 MCS0	54	5270	20.95	21.00	96.32
		62	5310	20.20	21.00	
	802.11ac-VHT80 MCS0	58	5290	18.60	19.00	93.33

5GHz WLAN	Ant 1+2 for Head					
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	20.43	21.00	97.93
		56	5280	20.32	21.00	
		60	5300	20.39	21.00	
		64	5320	20.38	21.00	
	802.11n-HT20 MCS0	52	5260	Not Required	21.00	97.79
		56	5280		21.00	
		60	5300		21.00	
		64	5320		21.00	
	802.11n-HT40 MCS0	54	5270		20.50	96.32
		62	5310		20.50	
	802.11ac-VHT20 MCS0	52	5260		21.00	97.43
		56	5280		21.00	
		60	5300		21.00	
		64	5320		21.00	
	802.11ac-VHT40 MCS0	54	5270		20.50	96.32
		62	5310		20.50	
	802.11ac-VHT80 MCS0	58	5290		19.00	93.33

5GHz WLAN	Ant 1+2 for Body Worn					
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	16.94	17.50	97.93
		56	5280	16.86	17.50	
		60	5300	16.89	17.50	
		64	5320	16.86	17.50	
	802.11n-HT20 MCS0	52	5260	Not Required	17.50	97.79
		56	5280		17.50	
		60	5300		17.50	
		64	5320		17.50	
	802.11n-HT40 MCS0	54	5270		17.00	96.32
		62	5310		17.00	
	802.11ac-VHT20 MCS0	52	5260		17.50	97.43
		56	5280		17.50	
		60	5300		17.50	
		64	5320		17.50	
	802.11ac-VHT40 MCS0	54	5270		17.00	96.32
		62	5310		17.00	
	802.11ac-VHT80 MCS0	58	5290		17.00	93.33

5GHz WLAN	Ant 1+2 for Simultaneous-Handheld					
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	20.43	21.00	97.93
		56	5280	20.32	21.00	
		60	5300	20.39	21.00	
		64	5320	20.38	21.00	
	802.11n-HT20 MCS0	52	5260	Not Required	21.00	97.79
		56	5280		21.00	
		60	5300		21.00	
		64	5320		21.00	
	802.11n-HT40 MCS0	54	5270		21.00	96.32
		62	5310		21.00	
	802.11ac-VHT20 MCS0	52	5260		21.00	97.43
		56	5280		21.00	
		60	5300		21.00	
		64	5320		21.00	
	802.11ac-VHT40 MCS0	54	5270		21.00	96.32
		62	5310		21.00	
	802.11ac-VHT80 MCS0	58	5290		19.00	93.33

5GHz WLAN	Ant 1+2 Full Power					
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500	20.44	21.50	97.93
		116	5580	20.35	21.50	
		124	5620	20.30	21.50	
		132	5660	20.13	21.50	
		140	5700	20.14	21.50	
	802.11n-HT20 MCS0	100	5500	20.36	21.50	97.79
		116	5580	20.04	21.50	
		124	5620	19.89	21.50	
		132	5660	19.89	21.50	
		140	5700	19.55	21.50	
	802.11n-HT40 MCS0	102	5510	20.38	21.50	96.32
		110	5550	21.18	21.50	
		126	5630	20.91	21.50	
		134	5670	20.93	21.50	
	802.11ac-VHT20 MCS0	100	5500	20.35	21.50	97.43
		116	5580	20.04	21.50	
		124	5620	19.84	21.50	
		132	5660	19.88	21.50	
		140	5700	19.53	21.50	
	802.11ac-VHT40 MCS0	102	5510	20.37	21.50	96.32
		110	5550	21.17	21.50	
		126	5630	20.88	21.50	
		134	5670	20.91	21.50	
	802.11ac-VHT80 MCS0	106	5530	15.41	16.00	93.33
		122	5610	20.60	21.00	

5GHz WLAN	Ant 1+2 for Head					
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500	20.24	20.50	97.93
		116	5580	19.98	20.50	
		124	5620	19.73	20.50	
		132	5660	19.85	20.50	
		140	5700	19.62	20.50	
	802.11n-HT20 MCS0	100	5500	Not Required	20.50	97.79
		116	5580		20.50	
		124	5620		20.50	
		132	5660		20.50	
		140	5700		20.50	
	802.11n-HT40 MCS0	102	5510		20.00	96.32
		110	5550		20.00	
		126	5630		20.00	
		134	5670		20.00	
	802.11ac-VHT20 MCS0	100	5500		20.50	97.43
		116	5580		20.50	
		124	5620		20.50	
		132	5660		20.50	
		140	5700		20.50	
	802.11ac-VHT40 MCS0	102	5510		20.00	96.32
		110	5550		20.00	
		126	5630		20.00	
		134	5670		20.00	
	802.11ac-VHT80 MCS0	106	5530		16.00	93.33
		122	5610		20.00	

5GHz WLAN	Ant 1+2 for Body Worn					
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500	16.38	17.50	97.93
		116	5580	16.21	17.50	
		124	5620	15.90	17.50	
		132	5660	16.00	17.50	
		140	5700	15.72	17.50	
	802.11n-HT20 MCS0	100	5500	Not Required	17.50	97.79
		116	5580		17.50	
		124	5620		17.50	
		132	5660		17.50	
		140	5700		17.50	
	802.11n-HT40 MCS0	102	5510		17.00	96.32
		110	5550		17.00	
		126	5630		17.00	
		134	5670		17.00	
	802.11ac-VHT20 MCS0	100	5500		17.50	97.43
		116	5580		17.50	
		124	5620		17.50	
		132	5660		17.50	
		140	5700		17.50	
	802.11ac-VHT40 MCS0	102	5510		17.00	96.32
		110	5550		17.00	
		126	5630		17.00	
		134	5670		17.00	
	802.11ac-VHT80 MCS0	106	5530		16.00	93.33
		122	5610		17.00	

5GHz WLAN	Ant 1+2 for Simultaneous-Handheld					
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500	Not Required	20.50	97.93
		116	5580		20.50	
		124	5620		20.50	
		132	5660		20.50	
		140	5700		20.50	
	802.11n-HT20 MCS0	100	5500		20.50	97.79
		116	5580		20.50	
		124	5620		20.50	
		132	5660		20.50	
		140	5700		20.50	
	802.11n-HT40 MCS0	102	5510	20.38	20.50	96.32
		110	5550	19.99	20.50	
		126	5630	19.57	20.50	
		134	5670	19.69	20.50	
	802.11ac-VHT20 MCS0	100	5500	Not Required	20.50	97.43
		116	5580		20.50	
		124	5620		20.50	
		132	5660		20.50	
		140	5700		20.50	
	802.11ac-VHT40 MCS0	102	5510		20.50	96.32
		110	5550		20.50	
		126	5630		20.50	
		134	5670		20.50	
	802.11ac-VHT80 MCS0	106	5530		16.00	93.33
		122	5610		20.00	

5GHz WLAN	Ant 1+2 Full Power					
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	20.83	22.00	97.93
		157	5785	20.84	22.00	
		165	5825	20.78	22.00	
	802.11n-HT20 MCS0	149	5745	20.35	22.00	97.79
		157	5785	20.72	22.00	
		165	5825	20.78	22.00	
	802.11n-HT40 MCS0	151	5755	20.35	21.50	96.32
		159	5795	20.42	21.50	
	802.11ac-VHT20 MCS0	149	5745	20.04	22.00	97.43
		157	5785	20.20	22.00	
		165	5825	20.47	22.00	
	802.11ac-VHT40 MCS0	151	5755	20.39	21.50	96.32
		159	5795	20.35	21.50	
	802.11ac-VHT80 MCS0	155	5775	20.41	21.50	93.33

5GHz WLAN	Ant 1+2 for Head					
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	19.14	20.00	97.93
		157	5785	19.27	20.00	
		165	5825	19.24	20.00	
	802.11n-HT20 MCS0	149	5745	Not Required	20.00	97.79
		157	5785		20.00	
		165	5825		20.00	
	802.11n-HT40 MCS0	151	5755		19.50	96.32
		159	5795		19.50	
	802.11ac-VHT20 MCS0	149	5745		20.00	97.43
		157	5785		20.00	
		165	5825		20.00	
	802.11ac-VHT40 MCS0	151	5755		19.50	96.32
		159	5795		19.50	
	802.11ac-VHT80 MCS0	155	5775		19.50	93.33

5GHz WLAN	Ant 1+2 for body/Hotspot					
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	16.52	17.50	97.93
		157	5785	16.67	17.50	
		165	5825	16.74	17.50	
	802.11n-HT20 MCS0	149	5745	Not Required	17.50	97.79
		157	5785		17.50	
		165	5825		17.50	
	802.11n-HT40 MCS0	151	5755		17.00	96.32
		159	5795		17.00	
	802.11ac-VHT20 MCS0	149	5745		17.50	97.43
		157	5785		17.50	
		165	5825		17.50	
	802.11ac-VHT40 MCS0	151	5755		17.00	96.32
		159	5795		17.00	
	802.11ac-VHT80 MCS0	155	5775		17.00	93.33

5GHz WLAN	Ant 1+2 for Simultaneous-Handheld					
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	20.83	21.50	97.93
		157	5785	20.84	21.50	
		165	5825	20.78	21.50	
	802.11n-HT20 MCS0	149	5745	Not Required	21.50	97.79
		157	5785		21.50	
		165	5825		21.50	
	802.11n-HT40 MCS0	151	5755		21.00	96.32
		159	5795		21.00	
	802.11ac-VHT20 MCS0	149	5745		21.50	97.43
		157	5785		21.50	
		165	5825		21.50	
	802.11ac-VHT40 MCS0	151	5755		21.00	96.32
		159	5795		21.00	
	802.11ac-VHT80 MCS0	155	5775		21.00	93.33

BR / EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	11.13	8.58	8.55
	CH 39	2441	11.82	9.55	9.75
	CH 78	2480	10.63	7.95	8.09
Tune-up Limit			12.5	10.5	10.5

LE

Mode	Channel	Frequency (MHz)	Average power (dBm)
			GFSK
LE	CH 00	2402	6.88
	CH 19	2440	7.95
	CH 39	2480	6.19
Tune-up Limit			9

LE 5.0

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	7.10	7.39
	CH 19	2440	7.81	8.22
	CH 39	2480	6.30	6.53
Tune-up Limit			9	9

<EN-DC>

2.4GHz WLAN	Ant 1+2 for Head					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	17.11	17.50	100.00
		6	2437	16.97	17.50	
		11	2462	16.62	17.50	
	802.11g 6Mbps	1	2412	Not Required	17.50	97.94
		6	2437		17.50	
		11	2462		17.50	
	802.11n-HT20 MCS0	1	2412		17.50	98.16
		6	2437		17.50	
		11	2462		17.50	

2.4GHz WLAN	Ant 1+2 for Body Worn/Hotspot					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	15.46	15.50	100.00
		6	2437	14.79	15.50	
		11	2462	14.69	15.50	
	802.11g 6Mbps	1	2412	Not Required	15.50	97.94
		6	2437		15.50	
		11	2462		15.50	
	802.11n-HT20 MCS0	1	2412		15.50	98.16
		6	2437		15.50	
		11	2462		15.50	

2.4GHz WLAN	Ant 1+2 for Handheld					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	20.54	21.00	100.00
		6	2437	20.40	21.00	
		11	2462	20.19	21.00	
	802.11g 6Mbps	1	2412	Not Required	21.00	97.94
		6	2437		21.00	
		11	2462		20.50	
	802.11n-HT20 MCS0	1	2412		21.00	98.16
		6	2437		21.00	
		11	2462		20.50	

5GHz WLAN	Ant 1+2 for Head					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not Required	17.00	97.93
		40	5200		17.00	
		44	5220		17.00	
		48	5240		17.00	
	802.11n-HT20 MCS0	36	5180		17.00	97.79
		40	5200		17.00	
		44	5220		17.00	
		48	5240		17.00	
	802.11n-HT40 MCS0	38	5190		16.50	96.32
		46	5230		16.50	
	802.11ac-VHT20 MCS0	36	5180		17.00	97.43
		40	5200		17.00	
		44	5220		17.00	
		48	5240		17.00	
	802.11ac-VHT40 MCS0	38	5190		16.50	96.32
		46	5230		16.50	
	802.11ac-VHT80 MCS0	42	5210		16.50	93.33

5GHz WLAN	Ant 1+2 for Body Worn/Hotspot					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	11.70	12.00	97.93
		40	5200	11.60	12.00	
		44	5220	11.44	12.00	
		48	5240	11.65	12.00	
	802.11n-HT20 MCS0	36	5180	Not Required	12.00	97.79
		40	5200		12.00	
		44	5220		12.00	
		48	5240		12.00	
	802.11n-HT40 MCS0	38	5190		11.50	96.32
		46	5230		11.50	
	802.11ac-VHT20 MCS0	36	5180		12.00	97.43
		40	5200		12.00	
		44	5220		12.00	
		48	5240		12.00	
	802.11ac-VHT40 MCS0	38	5190		11.50	96.32
		46	5230		11.50	
	802.11ac-VHT80 MCS0	42	5210		11.50	93.33

5GHz WLAN	Ant 1+2 for Handheld					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	15.61	16.00	97.93
		40	5200	15.64	16.00	
		44	5220	15.64	16.00	
		48	5240	15.65	16.00	
	802.11n-HT20 MCS0	36	5180	Not Required	16.00	97.79
		40	5200		16.00	
		44	5220		16.00	
		48	5240		16.00	
	802.11n-HT40 MCS0	38	5190		15.50	96.32
		46	5230		15.50	
	802.11ac-VHT20 MCS0	36	5180		16.00	97.43
		40	5200		16.00	
		44	5220		16.00	
		48	5240		16.00	
	802.11ac-VHT40 MCS0	38	5190		15.50	96.32
		46	5230		15.50	
	802.11ac-VHT80 MCS0	42	5210		15.50	93.33

5GHz WLAN	Ant 1+2 for Head					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	16.72	17.00	97.93
		56	5280	16.72	17.00	
		60	5300	16.57	17.00	
		64	5320	16.54	17.00	
	802.11n-HT20 MCS0	52	5260	Not Required	17.00	97.79
		56	5280		17.00	
		60	5300		17.00	
		64	5320		17.00	
	802.11n-HT40 MCS0	54	5270		16.50	96.32
		62	5310		16.50	
	802.11ac-VHT20 MCS0	52	5260		17.00	97.43
		56	5280		17.00	
		60	5300		17.00	
		64	5320		17.00	
	802.11ac-VHT40 MCS0	54	5270		16.50	96.32
		62	5310		16.50	
	802.11ac-VHT80 MCS0	58	5290		16.50	93.33

5GHz WLAN	Ant 1+2 for Body Worn					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	11.60	12.00	97.93
		56	5280	11.47	12.00	
		60	5300	11.59	12.00	
		64	5320	11.59	12.00	
	802.11n-HT20 MCS0	52	5260	Not Required	12.00	97.79
		56	5280		12.00	
		60	5300		12.00	
		64	5320		12.00	
	802.11n-HT40 MCS0	54	5270		11.50	96.32
		62	5310		11.50	
	802.11ac-VHT20 MCS0	52	5260		12.00	97.43
		56	5280		12.00	
		60	5300		12.00	
		64	5320		12.00	
	802.11ac-VHT40 MCS0	54	5270		11.50	96.32
		62	5310		11.50	
	802.11ac-VHT80 MCS0	58	5290		11.50	93.33

5GHz WLAN	Ant 1+2 for Handheld					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	14.55	15.00	97.93
		56	5280	14.57	15.00	
		60	5300	14.64	15.00	
		64	5320	14.59	15.00	
	802.11n-HT20 MCS0	52	5260	Not Required	15.00	97.79
		56	5280		15.00	
		60	5300		15.00	
		64	5320		15.00	
	802.11n-HT40 MCS0	54	5270		14.50	96.32
		62	5310		14.50	
	802.11ac-VHT20 MCS0	52	5260		15.00	97.43
		56	5280		15.00	
		60	5300		15.00	
		64	5320		15.00	
	802.11ac-VHT40 MCS0	54	5270		14.50	96.32
		62	5310		14.50	
	802.11ac-VHT80 MCS0	58	5290		14.50	93.33

5GHz WLAN	Ant 1+2 for Head					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	14.98	15.00	97.93
		116	5580	14.70	15.00	
		124	5620	14.61	15.00	
		132	5660	14.80	15.00	
		140	5700	14.31	15.00	
	802.11n-HT20 MCS0	100	5500	Not Required	15.00	97.93
		116	5580		15.00	
		124	5620		15.00	
		132	5660		15.00	
		140	5700		15.00	
	802.11n-HT40 MCS0	102	5510		14.50	97.79
		110	5550		14.50	
		126	5630		14.50	
		134	5670		14.50	
	802.11ac-VHT20 MCS0	100	5500		15.00	97.43
		116	5580		15.00	
		124	5620		15.00	
		132	5660		15.00	
		140	5700		15.00	
	802.11ac-VHT40 MCS0	102	5510		14.50	96.32
		110	5550		14.50	
		126	5630		14.50	
		134	5670		14.50	
	802.11ac-VHT80 MCS0	106	5530		14.50	93.33
		122	5610		14.50	

5GHz WLAN	Ant 1+2 for Body Worn					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	11.40	11.50	97.93
		116	5580	11.30	11.50	
		124	5620	11.17	11.50	
		132	5660	11.15	11.50	
		140	5700	10.86	11.50	
	802.11n-HT20 MCS0	100	5500	Not Required	11.50	97.93
		116	5580		11.50	
		124	5620		11.50	
		132	5660		11.50	
		140	5700		11.50	
	802.11n-HT40 MCS0	102	5510		11.00	97.79
		110	5550		11.00	
		126	5630		11.00	
		134	5670		11.00	
	802.11ac-VHT20 MCS0	100	5500		11.50	97.43
		116	5580		11.50	
		124	5620		11.50	
		132	5660		11.50	
		140	5700		11.50	
	802.11ac-VHT40 MCS0	102	5510		11.00	96.32
		110	5550		11.00	
		126	5630		11.00	
		134	5670		11.00	
	802.11ac-VHT80 MCS0	106	5530		11.00	93.33
		122	5610		11.00	

5GHz WLAN	Ant 1+2 for Handheld					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	13.93	14.00	97.93
		116	5580	13.81	14.00	
		124	5620	13.55	14.00	
		132	5660	13.66	14.00	
		140	5700	13.27	14.00	
	802.11n-HT20 MCS0	100	5500	Not Required	14.00	97.93
		116	5580		14.00	
		124	5620		14.00	
		132	5660		14.00	
		140	5700		14.00	
	802.11n-HT40 MCS0	102	5510		13.50	97.79
		110	5550		13.50	
		126	5630		13.50	
		134	5670		13.50	
	802.11ac-VHT20 MCS0	100	5500		14.00	97.43
		116	5580		14.00	
		124	5620		14.00	
		132	5660		14.00	
		140	5700		14.00	
	802.11ac-VHT40 MCS0	102	5510		13.50	96.32
		110	5550		13.50	
		126	5630		13.50	
		134	5670		13.50	
	802.11ac-VHT80 MCS0	106	5530		13.50	93.33
		122	5610		13.50	

5GHz WLAN	Ant 1+2 for head					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	14.74	15.50	97.93
		157	5785	15.12	15.50	
		165	5825	15.15	15.50	
	802.11n-HT20 MCS0	149	5745	Not Required	15.50	97.93
		157	5785		15.50	
		165	5825		15.50	
	802.11n-HT40 MCS0	151	5755		15.00	97.79
		159	5795		15.00	
	802.11ac-VHT20 MCS0	149	5745		15.50	97.43
		157	5785		15.50	
		165	5825		15.50	
	802.11ac-VHT40 MCS0	151	5755		15.00	96.32
		159	5795		15.00	
	802.11ac-VHT80 MCS0	155	5775		15.00	93.33

5GHz WLAN	Ant 1+2 forBody Worn/Hotspot					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	11.28	12.00	97.93
		157	5785	11.44	12.00	
		165	5825	11.42	12.00	
	802.11n-HT20 MCS0	149	5745	Not Required	12.00	97.93
		157	5785		12.00	
		165	5825		12.00	
	802.11n-HT40 MCS0	151	5755		11.50	97.79
		159	5795		11.50	
	802.11ac-VHT20 MCS0	149	5745		12.00	97.43
		157	5785		12.00	
		165	5825		12.00	
	802.11ac-VHT40 MCS0	151	5755		11.50	96.32
		159	5795		11.50	
	802.11ac-VHT80 MCS0	155	5775		11.50	93.33

5GHz WLAN	Ant 1+2 for Handheld					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	14.27	15.00	97.93
		157	5785	14.46	15.00	
		165	5825	14.44	15.00	
	802.11n-HT20 MCS0	149	5745	Not Required	15.00	97.93
		157	5785		15.00	
		165	5825		15.00	
	802.11n-HT40 MCS0	151	5755		14.50	97.79
		159	5795		14.50	
	802.11ac-VHT20 MCS0	149	5745		15.00	97.43
		157	5785		15.00	
		165	5825		15.00	
	802.11ac-VHT40 MCS0	151	5755		14.50	96.32
		159	5795		14.50	
	802.11ac-VHT80 MCS0	155	5775		14.50	93.33

Appendix F. Supplemental Tuner Head & Body SAR Results

The results are shown as follows.

Head

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	0	15	30	45	60	75	90	105	120	135
FR1 n5	BPSK/DFT-15KHz	167300	836.5	1	1	Right Cheek	0mm	0.163	0.206	0.009	0.15	0.047	0.001	0.105	0.051	0.001	0.144	0.036	0.008

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	1	16	31	46	61	76	91	106	121	136
FR1 n12	DFT-15KHz	141500	707.5	1	1	Right Cheek	5mm	0.110	0.144	0.005	0.143	0.035	0.001	0.102	0.044	0.001	0.126	0.050	0.046

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	2	17	32	47	62	77	92	107	122	137
FR1 n71	BPSK/DFT-15KHz	136100	680.5	1	1	Right Cheek	0mm	0.138	0.163	0.031	0.073	0.051	0.004	0.056	0.067	0.020	0.041	0.075	0.001

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	3	18	33	48	63	78	93	108	123	138
WCDMA V	RMC12.2Kbps	4132	826.4	-	-	Right Cheek	0mm	0.257	0.284	0.122	0.009	0.228	0.092	0.000	0.165	0.114	0.010	0.192	0.029

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	4	19	34	49	64	79	94	109	124	139
WCDMA IV	RMC12.2Kbps	1513	1752.6	-	-	Right Cheek	0mm	0.143	0.167	0.178	0.157	0.123	0.107	0.158	0.157	0.145	0.029	0.082	0.082

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	5	20	35	50	65	80	95	110	125	140
WCDMA II	RMC12.2Kbps	9400	1880	-	-	Right Cheek	0mm	0.096	0.113	0.109	0.098	0.103	0.099	0.113	0.113	0.113	0.097	0.082	0.084

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	6	21	36	51	66	81	96	111	126	141
CDMA BC 0	RC3 SO55	1013	824.7	-	-	Right Cheek	0mm	0.210	0.233	0.134	0.096	0.008	0.124	0.027	0.014	0.127	0.048	0.005	0.125

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	7	22	37	52	67	82	97	112	127	142
CDMA BC 1	RC3 SO55	1175	1908.75	-	-	Right Cheek	0mm	0.083	0.096	0.085	0.095	0.070	0.083	0.088	0.090	0.099	0.093	0.075	0.068

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	8	23	38	53	68	83	98	113	128	143
CDMA BC 10	RC3 SO55	476	817.9	-	-	Right Cheek	0mm	0.219	0.241	0.204	0.212	0.032	0.105	0.160	0.016	0.136	0.104	0.011	0.081

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	9	24	39	54	69	84	99	114	129	
LTE Band 71	20M/QPSK	133322	683	1	0	Right Cheek	0mm	0.152	0.163	0.001	0.148	0.049	0.000	0.102	0.036	0.000	0.056	0.024	

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	10	25	40	55	70	85	100	115	130	
LTE Band 12	10M/QPSK	23095	707.5	1	0	Right Cheek	0mm	0.191	0.208	0.003	0.162	0.053	0.001	0.179	0.067	0.001	0.073	0.057	

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	11	26	41	56	71	86	101	116	131	
LTE Band 13	10M/QPSK	23230	782	1	0	Right Cheek	0mm	0.187	0.204	0.027	0.167	0.131	0.022	0.073	0.196	0.004	0.118	0.172	

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	12	27	42	57	72	87	102	117	132	
LTE Band 26	15M/QPSK	26965	841.5	1	0	Right Cheek	0mm	0.226	0.251	0.151	0.002	0.136	0.096	0.012	0.230	0.044	0.001	0.161	

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	13	28	43	58	73	88	103	118	133	
LTE Band 66	20M/QPSK	132572	1770	1	0	Right Cheek	0mm	0.127	0.147	0.144	0.147	0.122	0.112	0.128	0.103	0.096	0.120	0.087	

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	14	29	44	59	74	89	104	119	134	
LTE Band 25	20M/QPSK	26590	1905	1	0	Right Tilted	0mm	0.094	0.110	0.093	0.094	0.087	0.082	0.080	0.074	0.073	0.082	0.068	

Body

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	0	15	30	45	60	75	90	105	120	135
FR1 n5	DFT-15KHz	167300	836.5	1	1	Back	5mm	0.734	1.141	0.057	0.810	0.309	0.005	0.562	0.287	0.011	0.819	0.206	0.000

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	1	16	31	46	61	76	91	106	121	136
FR1 n12	DFT-15KHz	141500	707.5	1	1	Back	5mm	0.705	0.886	0.052	0.881	0.258	0.004	0.578	0.267	0.009	0.844	0.305	0.001

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	2	17	32	47	62	77	92	107	122	137
FR1 n71	DFT-15KHz	136100	680.5	50	0	Back	5mm	0.581	0.728	0.196	0.548	0.421	0.020	0.423	0.437	0.046	0.328	0.521	0.000

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	3	18	33	48	63	78	93	108	123	138
WCDMA V	RMC12.2Kbps	4233	846.6	-	-	Back	5mm	0.936	1.197	0.549	1.115	0.973	0.356	0.001	0.594	0.438	0.034	0.654	0.105

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	4	19	34	49	64	79	94	109	124	139
WCDMA IV	RMC12.2Kbps	1513	1752.6	-	-	Back	5mm	1.13	1.462	0.812	0.633	0.753	0.556	1.042	0.938	0.863	0.928	0.398	0.363

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	5	20	35	50	65	80	95	110	125	140
WCDMA II	RMC12.2Kbps	9262	1852.4	-	-	Bottom Side	5mm	1.17	1.531	1.423	1.305	1.455	1.280	1.438	1.530	1.511	1.450	1.026	1.019

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	6	21	36	51	66	81	96	111	126	141
CDMA BC0	RTAP 153.6Kbps	1013	824.7	-	-	Back	5mm	1.03	1.3	0.735	0.679	0.047	0.602	0.167	0.011	0.656	0.229	0.007	0.682

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	7	22	37	52	67	82	97	112	127	142
CDMA BC1	RTAP 153.6Kbps	1175	1908.75	-	-	Bottom Side	5mm	1.05	1.399	1.287	1.345	1.340	0.984	0.950	1.314	1.293	1.308	1.299	0.856

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	8	23	38	53	68	83	98	113	128	143
CDMA BC10	RTAP 153.6Kbps	580	820.5	-	-	Back	5mm	1.1	1.349	1.110	1.268	0.169	0.431	0.966	0.094	0.598	0.518	0.066	0.338

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	9	24	39	54	69	84	99	114	129	
LTE Band 71	20M/QPSK	133322	683	1	0	Back	5mm	0.797	1.403	0.006	0.712	0.212	0.008	0.483	0.140	0.006	0.293	0.122	

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	10	25	40	55	70	85	100	115	130	
LTE Band 12	10M/QPSK	23095	707.5	1	0	Back	5mm	1.01	1.297	0.029	1.220	0.458	0.012	1.191	0.515	0.001	0.519	0.364	

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	11	26	41	56	71	86	101	116	131	
LTE Band 13	10M/QPSK	23230	782	1	0	Back	5mm	0.948	1.17	0.041	0.238	0.161	0.026	0.501	0.302	0.014	0.179	0.201	

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	12	27	42	57	72	87	102	117	132	
LTE Band 26	15M/QPSK	26865	831.5	1	0	Back	5mm	1.14	1.416	0.737	0.013	0.649	0.253	0.050	0.670	0.131	0.003	0.495	

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	13	28	43	58	73	88	103	118	133	
LTE Band 66	20M/QPSK	132322	1745	100	0	Back	5mm	1.17	1.531	0.827	0.446	0.716	0.634	1.409	0.625	0.507	0.991	0.460	

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	14	29	44	59	74	89	104	119	134	
LTE Band 25	20M/QPSK	26590	1880	50	0	Bottom Side	5mm	1.03	1.374	1.090	1.096	1.134	1.142	1.198	0.741	1.016	1.183	0.998	

verified for SAR higher than 1.2W/Kg

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																						
									Auto-Tune	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
WCDMA V	RMC12.2Kbps	4233	846.6	-	-	Back	5mm	0.936	1.197	0.074	0.124	0.248	0.549	0.730	0.787	0.857	0.885	0.839	0.026	0.056	0.167	0.722	1.115	1.107	0.977	0.880	0.523	0.038	0.080	0.218
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
										0.725	1.007	1.021	0.976	0.923	0.640	0.008	0.207	0.072	0.434	0.984	1.094	0.973	0.846	0.416	0.041	0.067	0.131	0.295	0.410	0.455
										42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
										0.509	0.527	0.515	0.006	0.017	0.061	0.356	0.745	0.809	0.735	0.656	0.353	0.010	0.241	0.080	0.360	0.614	0.664	0.660	0.623	0.416
										63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83
										0.001	0.002	0.015	0.156	0.583	0.844	0.877	0.740	0.300	0.049	0.079	0.157	0.350	0.484	0.532	0.594	0.612	0.601	0.009	0.023	0.079
										84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104
										0.433	0.844	0.903	0.816	0.731	0.401	0.014	0.033	0.104	0.438	0.710	0.763	0.746	0.714	0.478	0.000	0.004	0.023	0.206	0.690	0.940
										105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
										0.932	0.789	0.338	0.034	0.056	0.108	0.242	0.340	0.381	0.426	0.442	0.441	0.003	0.011	0.042	0.271	0.621	0.707	0.654	0.594	0.313
										126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143			
										0.005	0.016	0.056	0.274	0.501	0.559	0.568	0.541	0.366	0.000	0.001	0.008	0.105	0.550	0.715	0.834	0.709	0.275			

Sensor On

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																						
									Auto-Tune	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
WCDMA IV	RMC12.2Kbps	1513	1752.6	-	-	Back	5mm	1.13	1.462	0.477	0.560	0.665	0.765	0.812	0.820	0.846	0.859	0.887	0.524	0.616	0.734	0.844	0.897	0.903	0.930	0.943	0.975	0.539	0.633	0.747
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
										0.855	0.908	0.915	0.944	0.956	0.991	0.398	0.474	0.567	0.663	0.706	0.718	0.739	0.753	0.788	1.258	1.336	1.193	0.967	0.868	0.851
										42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
										0.804	0.781	0.729	1.392	1.156	0.847	0.630	0.556	0.547	0.513	0.498	0.466	1.364	1.266	1.005	0.776	0.691	0.680	0.639	0.620	0.584
										63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83
										1.366	1.042	0.689	0.490	0.426	0.420	0.392	0.381	0.357	1.413	1.339	1.204	1.058	0.998	0.983	0.954	0.938	0.895	1.188	1.056	0.902
										84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104
										0.772	0.723	0.716	0.693	0.682	0.653	1.331	1.211	1.058	0.920	0.863	0.854	0.827	0.814	0.786	0.948	0.824	0.691	0.588	0.549	0.543
										105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
										0.525	0.515	0.499	0.757	0.928	0.953	0.805	0.721	0.705	0.661	0.640	0.592	1.092	1.062	0.767	0.535	0.458	0.449	0.415	0.398	0.368
										126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143			
										0.929	1.025	0.871	0.654	0.569	0.557	0.518	0.500	0.462	1.192	1.129	0.688	0.436	0.363	0.356	0.326	0.312	0.288			

Sensor on

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																						
									Auto-Tune	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
WCDMA II	RMC12.2Kbps	9538	1907.6	-	-	Bottom Side	5mm	1.17	1.531	0.721	0.913	1.144	1.331	1.416	1.423	1.461	1.474	1.505	0.978	1.171	1.417	1.511	1.523	1.530	1.529	1.511	1.531	0.872	1.077	1.305
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
										1.272	1.331	1.344	1.367	1.371	1.382	0.731	0.952	1.167	1.268	1.277	1.282	1.276	1.268	1.265	0.933	1.019	1.343	1.358	1.324	1.317
										42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
										1.396	1.375	1.343	1.279	1.445	1.433	1.288	1.202	1.190	1.146	1.125	1.079	1.158	1.374	1.462	1.386	1.330	1.318	1.280	1.258	1.217
										63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83
										1.313	1.499	1.438	1.238	1.136	1.130	1.084	1.051	1.011	1.055	1.276	1.469	1.521	1.530	1.519	1.527	1.519	1.530	1.286	1.477	1.516
										84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104
										1.511	1.462	1.455	1.424	1.403	1.392	1.185	1.393	1.515	1.522	1.531	1.511	1.518	1.502	1.477	1.193	1.394	1.455	1.367	1.296	1.293
										105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
										1.255	1.248	1.217	1.021	1.255	1.450	1.458	1.409	1.410	1.389	1.351	1.308	1.286	1.469	1.451	1.260	1.160	1.153	1.122	1.071	1.026
										126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143			
										1.146	1.376	1.467	1.373	1.290	1.286	1.236	1.213	1.167	1.259	1.491	1.483	1.145	1.025	1.019	0.967	0.924	0.889			

Hotspot on

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																						
									Auto-Tune	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CDMA BC0	TAP 153.6Kbp	1013	824.7			Back	5mm	1.03	1.300	0.086	0.142	0.275	0.525	0.631	0.676	0.735	0.764	0.861	0.029	0.062	0.174	0.614	0.906	0.941	0.856	0.785	0.516	0.045	0.091	0.235
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
										0.679	0.925	0.957	0.891	0.846	0.657	0.010	0.024	0.079	0.371	0.702	0.792	0.768	0.681	0.391	0.047	0.076	0.149	0.286	0.348	0.372
										42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
										0.411	0.428	0.511	0.006	0.018	0.064	0.359	0.716	0.782	0.602	0.524	0.311	0.011	0.027	0.089	0.381	0.637	0.621	0.545	0.512	0.382
										63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83
										0.001	0.002	0.017	0.167	0.542	0.738	0.705	0.574	0.257	0.058	0.095	0.184	0.351	0.425	0.459	0.507	0.528	0.613	0.011	0.027	0.090
										84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104
										0.437	0.719	0.856	0.698	0.618	0.375	0.017	0.040	0.122	0.469	0.736	0.738	0.656	0.621	0.469	0.001	0.005	0.028	0.218	0.601	0.771
										105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
										0.733	0.621	0.295	0.038	0.061	0.119	0.229	0.279	0.302	0.331	0.345	0.414	0.004	0.012	0.044	0.274	0.607	0.695	0.538	0.462	0.266
										126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143			
										0.007	0.017	0.062	0.293	0.522	0.525	0.457	0.424	0.321	0.001	0.001	0.009	0.109	0.414	0.641	0.682	0.537	0.219			

Full Power

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																						
									Auto-Tune	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CDMA BC1	TAP 153.6Kbp	1175	1908.75			Bottom Side	5mm	1.05	1.399	0.536	0.727	0.968	1.153	1.235	1.241	1.274	1.287	1.317	0.806	1.021	1.244	1.349	1.382	1.379	1.394	1.390	1.392	0.700	0.905	1.135
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
										1.301	1.345	1.349	1.367	1.382	1.398	0.747	0.979	1.183	1.264	1.285	1.280	1.266	1.259	0.923	1.167	1.340	1.357	1.327	1.318	1.294
										42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
										1.281	1.238	1.177	1.350	1.343	1.200	1.115	1.093	1.042	1.021	0.984	0.972	1.059	1.270	1.365	1.286	1.223	1.223	1.177	1.158	1.122
										63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83
										1.131	1.314	1.267	1.051	0.950	0.943	0.896	0.865	0.820	0.866	1.074	1.283	1.367	1.378	1.370	1.351	1.090	1.286	1.366	1.314	1.256
										84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104
										1.253	1.228	1.213	1.176	1.200	1.172	0.987	1.193	1.316	1.359	1.340	1.332	1.311	1.293	1.278	1.025	1.212	1.274	1.174	1.109	1.104
										105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
										1.155	1.131	1.107	0.920	1.157	1.352	1.356	1.308	1.308	1.271	1.250	1.213	1.190	1.369	1.352	1.167	1.063	1.055	0.999	0.972	0.936
										126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143			
										1.063	1.299	1.399	1.296	1.221	1.202	1.155	1.139	1.095	1.181	1.379	1.325	1.067	0.953	0.942	0.883	0.856	0.814			

Hotspot on

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																						
									Auto-Tune	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CDMA BC10	TAP 153.6Kbp	684	823.1	-	-	Back	5mm	1.1	1.349	0.091	0.153	0.306	0.676	0.921	1.004	1.105	1.141	1.110	0.030	0.064	0.192	0.782	1.277	1.335	1.265	1.178	0.662	0.045	0.093	0.251
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
										0.8295	1.210	1.268	1.256	1.207	0.819	0.008	0.020	0.070	0.445	1.012	1.200	1.201	1.098	0.514	0.052	0.085	0.169	0.388	0.555	0.617
										42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
										0.697	0.723	0.651	0.007	0.020	0.073	0.416	0.906	1.022	1.002	0.912	0.431	0.011	0.027	0.096	0.436	0.784	0.873	0.901	0.867	0.517
										63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83
										0.001	0.002	0.133	0.169	0.643	0.966	1.136	1.009	0.363	0.062	0.102	0.201	0.460	0.646	0.718	0.809	0.836	0.778	0.010	0.027	0.094
										84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104
										0.500	1.015	1.134	1.096	1.001	0.497	0.016	0.039	0.124	0.526	0.895	0.988	1.011	0.981	0.598	0.000	0.004	0.022	0.219	0.742	1.057
										105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
										1.187	1.063	0.410	0.044	0.071	0.139	0.320	0.460	0.518	0.590	0.610	0.552	0.003	0.012	0.050	0.317	0.755	0.905	0.913	0.830	0.381
										126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143			
										0.006	0.018	0.066	0.332	0.614	0.743	0.789	0.764	0.451	0.001	0.000	0.007	0.108	0.481	0.810	1.081	0.969	0.338			

Full Power

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																						
									Auto-Tune	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
LTE Band 12	QPSK/10M	23095	707.5	1	0	Back	5mm	1.01	1.297	0.049	0.082	0.165	0.418	0.628	0.729	0.891	0.965	1.183	0.013	0.029	0.083	0.351	0.781	1.074	1.247	1.281	0.941	0.019	0.039	0.104
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
										0.018	0.433	0.684	0.996	0.840	0.676	-0.378	-0.373	-0.353	-0.220	0.087	0.381	0.964	1.158	0.431	-0.343	-0.319	-0.261	-0.076	0.078	0.154
										42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
										0.566	0.621	0.801	-0.088	-0.081	-0.054	0.112	0.434	0.696	1.168	1.232	0.623	-0.086	-0.078	-0.044	0.140	0.452	0.669	0.965	0.992	0.707
										63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83
										0.001	0.001	0.001	0.001	0.238	0.436	0.941	1.191	0.623	0.032	0.051	0.099	0.241	0.379	0.458	0.588	0.654	0.932	0.003	0.011	0.040
										84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104
										0.211	0.515	0.741	1.074	1.147	0.756	0.005	0.015	0.050	0.231	0.499	0.669	0.891	0.960	0.844	0.001	0.001	0.007	0.490	0.999	1.237
										105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
										0.676	1.218	0.671	0.026	0.041	0.078	0.189	0.297	0.362	0.465	0.519	0.757	0.001	0.004	0.022	0.141	0.378	0.573	0.893	0.973	0.627
										126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143			
										0.001	0.006	0.028	0.154	0.364	0.510	0.714	0.779	0.695	0.002	0.001	0.001	0.041	0.173	0.341	0.808	1.083	0.574			

Full Power

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																						
									Auto-Tune	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
LTE Band 26	-	26865	831.5	1	0	Back	5mm	1.14	1.416	0.104	0.171	0.330	0.672	0.873	0.934	1.011	1.034	1.014	0.038	0.079	0.217	0.737	1.053	1.079	1.027	0.972	0.667	0.057	0.114	0.288
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
										0.807	1.057	1.085	1.068	1.032	0.793	0.013	0.031	0.096	0.441	0.804	0.892	0.885	0.839	0.691	0.055	0.090	0.177	0.391	0.536	0.589
										42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
										0.649	0.669	0.480	0.006	0.169	0.061	0.338	0.641	0.662	0.603	0.529	0.301	0.010	0.020	0.082	0.253	0.552	0.583	0.567	0.534	0.361
										63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83
										0.001	0.002	0.016	0.154	0.505	0.666	0.592	0.447	0.249	0.050	0.083	0.159	0.351	0.474	0.514	0.560	0.576	0.556	0.010	0.024	0.083
										84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104
										0.413	0.717	0.745	0.670	0.607	0.359	0.016	0.037	0.113	0.429	0.555	0.676	0.655	0.622	0.432	0.001	0.005	0.026	0.131	0.553	0.707
										105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
										0.698	0.598	0.352	0.032	0.052	0.101	0.226	0.317	0.350	0.390	0.403	0.395	0.003	0.010	0.400	0.249	0.541	0.602	0.556	0.495	0.269
										126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143			
										0.006	0.016	0.057	0.229	0.455	0.497	0.495	0.469	0.315	0.001	0.001	0.008	0.100	0.387	0.587	0.639	0.546	0.226			

Full Power

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																						
									Auto-Tune	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
LTE Band 13	-	23230	782	25	0	Back	5mm	0.907	1.170	0.021	0.035	0.068	0.151	0.215	0.240	0.277	0.293	0.310	0.007	0.014	0.041	0.176	0.338	0.379	0.386	0.362	0.216	0.010	0.020	0.055
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
										0.188	0.297	0.325	0.338	0.331	0.238	0.002	0.005	0.015	0.099	0.249	0.351	0.409	0.388	0.180	0.015	0.024	0.045	0.101	0.149	0.161
										42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
										0.199	0.212	0.221	0.002	0.005	0.018	0.104	0.247	0.302	0.317	0.346	0.161	0.003	0.008	0.026	0.118	0.222	0.260	0.270	0.283	0.172
										63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83
										0.002	0.002	0.013	0.131	0.483	0.827	1.167	0.340	0.501	0.015	0.025	0.048	0.108	0.156	0.178	0.207	0.219	0.236	0.003	0.006	0.020
										84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104
										0.108	0.246	0.302	0.321	0.301	0.165	0.004	0.010	0.029	0.123	0.221	0.255	0.277	0.271	0.190	0.002	0.003	0.014	0.120	0.412	0.678
										105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
										0.999	0.965	0.400	0.022	0.022	0.036	0.081	0.118	0.135	0.160	0.171	0.179	0.001	0.001	0.012	0.073	0.189	0.247	0.276	0.259	0.137
										126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143			
										0.002	0.005	0.018	0.085	0.168	0.201	0.223	0.223	0.156	0.001	0.001	0.007	0.090	0.086	0.648	1.117	1.118	0.418			

Full Power

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																						
									Auto-Tune	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
LTE Band 66	-	132322	1745	100	0	Back	5mm	1.17	1.531	0.458	0.530	0.631	0.714	0.762	0.768	0.789	0.801	0.820	0.501	0.584	0.688	0.782	0.827	0.832	0.854	0.862	0.896	0.525	0.605	0.701
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
										0.798	0.842	0.851	0.876	0.888	0.921	0.378	0.446	0.528	0.611	0.646	0.655	0.674	0.686	0.718	1.148	1.241	1.106	0.893	0.800	0.784
										42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
										0.740	0.716	0.668	1.310	1.100	0.793	0.581	0.512	0.504	0.471	0.457	0.424	1.260	1.196	0.940	0.720	0.634	0.626	0.587	0.569	0.533
										63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83
										1.420	1.000	0.652	0.456	0.401	0.389	0.362	0.349	0.328	1.490	1.409	1.250	1.100	0.950	0.918	0.891	0.877	0.828	1.270	1.117	0.950
										84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104
										0.821	0.668	0.661	0.638	0.625	0.604	1.403	1.274	1.105	0.857	0.808	0.791	0.764	0.775	0.721	0.938	0.799	0.652	0.546	0.507	0.509
										105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
										0.483	0.474	0.457	0.670	0.846	0.882	0.745	0.666	0.655	0.613	0.590	0.543	0.987	0.991	0.825	0.499	0.423	0.414	0.383	0.368	0.337
										126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143			
										0.826	0.942	0.858	0.607	0.526	0.516	0.480	0.460	0.425	1.076	1.067	0.651	0.407	0.341	0.331	0.303	0.289	0.266			

Sensor on

Mode	Service/ Modulation	Channel	Frequency (MHz)	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																						
									Auto-Tune	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
LTE Band 25	-	26590	1880	50	0	Bottom Side	5mm	1.03	1.374	0.471	0.676	0.914	1.104	1.182	1.284	1.209	1.234	1.263	0.711	0.926	1.124	1.050	1.277	1.090	1.305	1.314	0.604	1.021	1.182	1.231
										21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
										1.209	1.251	1.263	1.283	1.297	1.299	0.655	0.866	1.096	1.211	1.205	1.209	1.196	1.197	1.206	0.876	1.127	1.276	1.284	1.256	1.271
										42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
										1.198	1.182	1.134	1.083	1.275	1.241	1.093	0.974	1.002	0.952	0.926	0.877	0.977	1.193	1.286	1.213	1.138	1.142	1.104	1.083	1.026
										63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83
										1.043	1.241	1.177	0.976	0.859	0.855	0.795	0.771	0.721	0.777	0.996	1.198	1.273	1.283	1.261	1.190	1.258	1.237	0.981	1.174	1.211
										84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104
										1.171	1.182	1.133	1.116	1.082	0.741	0.876	1.084	1.248	1.258	1.241	1.224	1.213	1.226	1.187	0.899	1.119	1.193	1.083	1.035	1.016
										105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
										0.979	0.951	0.922	0.743	1.002	1.212	1.195	1.147	1.155	1.109	1.092	1.032	1.022	1.221	1.183	0.994	0.886	0.868	0.809	0.776	0.728
										126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143			
										0.979	1.215	1.227	1.216	1.134	1.116	1.063	1.037	0.998	1.089	1.349	1.243	0.972	0.854	0.844	0.788	0.756	0.703			