



REPORT No.: SZ22100099S01

Annex B Conducted Power

Note:

Conducted power unit: dBm

The target power was recorded in the manufacture document.

Band 2 (1900MHz Band) (dBm) Part 24E							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				18700	18900	19100	25
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	24.34	24.42	24.37	25
20	QPSK	1	49	24.25	24.30	24.33	
20	QPSK	1	99	24.28	24.29	24.26	
20	QPSK	50	0	23.32	23.41	23.34	
20	QPSK	50	24	23.19	23.36	23.22	24
20	QPSK	50	50	23.23	23.24	23.19	
20	QPSK	100	0	23.38	23.33	23.40	
20	16QAM	1	0	23.36	23.32	23.38	
20	16QAM	1	49	23.27	23.24	23.21	24
20	16QAM	1	99	23.19	23.26	23.25	
20	16QAM	50	0	22.27	22.38	22.41	
20	16QAM	50	24	22.30	22.18	22.26	
20	16QAM	50	50	22.15	22.23	22.20	23
20	16QAM	100	0	22.29	22.35	22.37	
20	64QAM	1	0	23.20	23.25	23.29	
20	64QAM	1	49	23.35	23.30	23.27	
20	64QAM	1	99	23.20	23.12	23.16	24
20	64QAM	50	0	22.33	22.35	22.24	
20	64QAM	50	24	22.20	22.19	22.13	
20	64QAM	50	50	22.23	22.25	22.20	
20	64QAM	100	0	22.34	22.29	22.32	23
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	Tune-up limit (dBm)
15	QPSK	1	0	24.35	24.40	24.21	25
15	QPSK	1	37	24.16	24.26	24.11	
15	QPSK	1	74	24.29	24.17	24.19	
15	QPSK	36	0	23.53	23.43	23.44	
15	QPSK	36	20	23.27	23.11	23.16	24
15	QPSK	36	39	23.29	23.36	23.36	
15	QPSK	75	0	23.36	23.27	23.30	
15	16QAM	1	0	23.35	23.39	23.29	
15	16QAM	1	37	23.12	23.03	23.24	24
15	16QAM	1	74	23.44	23.48	23.42	
15	16QAM	36	0	22.28	22.30	22.36	
15	16QAM	36	20	22.10	22.43	22.09	
15	16QAM	36	39	22.10	22.36	22.31	23
15	16QAM	75	0	22.44	22.10	22.26	
15	64QAM	1	0	23.35	23.22	23.17	
15	64QAM	1	37	23.20	23.09	23.24	
15	64QAM	1	74	23.33	23.08	23.36	24
15	64QAM	36	0	22.16	22.39	22.24	
15	64QAM	36	20	22.35	22.03	22.24	
15	64QAM	36	39	22.08	22.01	22.12	
15	64QAM	75	0	22.36	22.27	22.13	23
Channel				18650	18900	19150	
Frequency (MHz)				1855	1880	1905	Tune-up limit (dBm)
10	QPSK	1	0	24.29	24.36	24.35	25
10	QPSK	1	25	24.28	24.30	24.10	
10	QPSK	1	49	24.31	24.29	24.27	
10	QPSK	25	0	23.49	23.40	23.10	
10	QPSK	25	12	23.20	23.47	23.04	24
10	QPSK	25	25	23.07	23.18	23.20	
10	QPSK	50	0	23.45	23.30	23.38	
10	16QAM	1	0	23.45	23.14	23.43	
10	16QAM	1	25	23.40	23.17	23.05	24
10	16QAM	1	49	23.18	23.12	23.45	
10	16QAM	25	0	22.45	22.47	22.36	
10	16QAM	25	12	22.33	22.17	22.41	
10	16QAM	25	25	22.19	22.21	22.08	23
10	16QAM	50	0	22.48	22.31	22.28	
10	64QAM	1	0	23.42	23.30	23.20	
10	64QAM	1	25	23.51	23.17	23.47	
10	64QAM	1	49	23.21	23.30	23.13	24
10	64QAM	25	0	22.23	22.33	22.45	
10	64QAM	25	12	22.11	22.18	22.09	
10	64QAM	25	25	22.33	22.19	22.23	
10	64QAM	50	0	22.09	22.29	22.12	23
Channel				18625	18900	19175	
Frequency (MHz)				1852.5	1880	1907.5	Tune-up limit (dBm)
5	QPSK	1	0	24.14	24.35	24.26	25
5	QPSK	1	12	24.19	24.24	24.28	
5	QPSK	1	24	24.24	24.31	24.35	
5	QPSK	12	0	23.22	23.33	23.12	
5	QPSK	12	7	23.15	23.31	23.06	24
5	QPSK	12	13	23.02	23.09	23.15	
5	QPSK	25	0	23.17	23.39	23.45	
5	16QAM	1	0	23.17	23.31	23.41	
5	16QAM	1	12	23.43	23.33	23.37	24
5	16QAM	1	24	23.18	23.13	23.21	
5	16QAM	12	0	22.25	22.45	22.36	
5	16QAM	12	7	22.24	22.39	22.33	
5	16QAM	12	13	22.31	22.18	22.14	23
5	16QAM	25	0	22.33	22.30	22.48	
5	64QAM	1	0	23.29	23.30	23.51	
5	64QAM	1	12	23.33	23.28	23.19	
5	64QAM	1	24	23.37	23.34	23.38	24
5	64QAM	12	0	22.27	22.35	22.16	
5	64QAM	12	7	22.20	22.16	22.29	
5	64QAM	12	13	22.15	22.21	22.27	
5	64QAM	25	0	22.17	22.23	22.42	23
Channel				18615	18900	19185	
Frequency (MHz)				1851.5	1880	1908.5	Tune-up limit (dBm)
3	QPSK	1	0	24.33	24.35	24.31	25
3	QPSK	1	8	24.27	24.28	24.26	
3	QPSK	1	14	24.34	24.13	24.05	

Band 4 (AWS Band) (dBm) Part 27L (only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20050	20175	20300	25
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	24.35	24.40	24.38	25
20	QPSK	1	49	24.31	24.20	24.30	
20	QPSK	1	99	24.22	24.26	24.21	
20	QPSK	50	0	23.43	23.44	23.19	
20	QPSK	50	24	23.38	23.31	23.34	24
20	QPSK	50	50	23.41	23.17	23.31	
20	QPSK	100	0	23.18	23.37	23.30	
20	16QAM	1	0	23.35	23.38	23.32	
20	16QAM	1	49	23.02	23.07	23.09	24
20	16QAM	1	99	23.10	23.33	23.16	
20	16QAM	50	0	22.19	22.32	22.31	
20	16QAM	50	24	22.15	22.25	22.19	
20	16QAM	50	50	22.19	22.14	22.22	23
20	16QAM	100	0	22.15	22.32	22.55	
20	64QAM	1	0	23.22	23.31	23.41	
20	64QAM	1	49	23.36	23.25	23.15	
20	64QAM	1	99	23.15	23.35	23.09	24
20	64QAM	50	0	22.08	22.33	22.01	
20	64QAM	50	24	21.95	22.10	22.17	
20	64QAM	50	50	22.40	22.17	22.25	
20	64QAM	100	0	22.51	22.36	22.34	23
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	Tune-up limit (dBm)
15	QPSK	1	0	24.26	24.33	24.20	25
15	QPSK	1	37	24.28	24.25	24.28	
15	QPSK	1	74	24.22	24.28	24.16	
15	QPSK	36	0	23.28	23.32	23.27	
15	QPSK	36	20	23.07	23.23	23.31	24
15	QPSK	36	39	23.19	23.16	23.12	
15	QPSK	75	0	23.46	23.13	23.32	
15	16QAM	1	0	23.40	23.39	23.18	
15	16QAM	1	37	23.15	23.44	23.24	24
15	16QAM	1	74	23.23	23.05	23.35	
15	16QAM	36	0	22.21	22.39	22.35	
15	16QAM	36	20	22.30	22.18	22.36	
15	16QAM	36	39	22.10	22.40	22.12	23
15	16QAM	75	0	22.14	22.22	22.20	
15	64QAM	1	0	23.24	23.08	23.33	
15	64QAM	1	37	23.23	23.38	23.21	
15	64QAM	1	74	23.24	23.19	23.41	24
15	64QAM	36	0	22.33	22.24	22.23	
15	64QAM	36	20	22.30	22.43	22.19	
15	64QAM	36	39	22.02	22.32	22.03	
15	64QAM	75	0	22.25	22.38	22.10	23
Channel				20000	20175	20350	
Frequency (MHz)				1715	1732.5	1750	Tune-up limit (dBm)
10	QPSK	1	0	24.23	24.34	24.23	25
10	QPSK	1	25	24.19	24.33	24.27	
10	QPSK	1	49	24.20	24.10	24.21	
10	QPSK	25	0	23.36	23.49	23.17	
10	QPSK	25	12	23.29	23.15	23.14	24
10	QPSK	25	25	23.35	23.26	23.29	
10	QPSK	50	0	23.37	23.36	23.26	
10	16QAM	1	0	23.34	23.34	23.18	
10	16QAM	1	25	23.33	23.38	23.10	24
10	16QAM	1	49	23.27	23.09	23.43	
10	16QAM	25	0	22.21	22.20	22.27	
10	16QAM	25	12	22.33	22.14	22.25	

3	QPSK	8	0	23.12	23.33	23.31	24
3	QPSK	8	4	23.11	23.38	23.12	
3	QPSK	8	7	23.14	23.09	23.15	
3	QPSK	15	0	23.18	23.57	23.61	
3	16QAM	1	0	23.35	23.38	23.14	24
3	16QAM	1	8	23.04	23.45	23.43	
3	16QAM	1	14	23.20	23.16	23.08	
3	16QAM	8	0	22.04	22.41	22.29	
3	16QAM	8	4	22.39	22.26	22.43	23
3	16QAM	8	7	22.11	22.25	22.30	
3	16QAM	15	0	22.10	22.20	22.24	
3	64QAM	1	0	23.28	23.39	23.29	
3	64QAM	1	8	23.27	23.23	23.10	24
3	64QAM	1	14	23.27	23.13	23.09	
3	64QAM	8	0	22.21	22.10	22.46	
3	64QAM	8	4	22.36	22.26	22.32	
3	64QAM	8	7	22.20	22.29	22.19	23
3	64QAM	15	0	22.25	22.33	22.33	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	24.29	24.33	24.27	25
1.4	QPSK	1	3	24.06	24.29	24.25	
1.4	QPSK	1	5	24.16	24.07	24.16	
1.4	QPSK	3	0	23.23	23.36	23.09	
1.4	QPSK	3	1	23.00	23.33	23.26	
1.4	QPSK	3	3	23.41	23.19	23.06	
1.4	QPSK	6	0	23.33	23.11	23.54	24
1.4	16QAM	1	0	23.36	23.41	23.25	24
1.4	16QAM	1	3	23.27	23.07	23.31	
1.4	16QAM	1	5	23.14	23.37	23.27	
1.4	16QAM	3	0	22.04	22.39	22.39	
1.4	16QAM	3	1	22.21	22.02	22.08	
1.4	16QAM	3	3	22.10	22.39	22.25	
1.4	16QAM	6	0	22.30	22.53	22.47	23
1.4	64QAM	1	0	23.04	23.09	23.34	24
1.4	64QAM	1	3	23.33	23.13	23.29	
1.4	64QAM	1	5	23.22	23.06	23.23	
1.4	64QAM	3	0	22.17	22.48	22.24	
1.4	64QAM	3	1	22.35	22.14	22.29	
1.4	64QAM	3	3	22.09	22.04	22.11	
1.4	64QAM	6	0	22.26	22.18	22.42	23

3	QPSK	8	0	23.25	23.26	23.20	24
3	QPSK	8	4	23.16	23.30	23.22	
3	QPSK	8	7	23.12	23.21	23.04	
3	QPSK	15	0	23.48	23.13	23.24	
3	16QAM	1	0	23.17	23.16	23.28	24
3	16QAM	1	8	23.17	23.08	23.13	
3	16QAM	1	14	23.18	23.12	23.15	
3	16QAM	8	0	22.25	22.43	22.36	
3	16QAM	8	4	22.19	22.22	22.07	23
3	16QAM	8	7	22.16	22.28	22.19	
3	16QAM	15	0	22.23	22.10	22.12	
3	64QAM	1	0	23.41	23.39	23.29	
3	64QAM	1	8	23.25	23.52	23.11	24
3	64QAM	1	14	23.33	23.19	23.19	
3	64QAM	8	0	22.10	22.23	22.18	
3	64QAM	8	4	22.29	22.14	22.03	
3	64QAM	8	7	22.25	22.13	22.07	23
3	64QAM	15	0	22.21	22.14	22.21	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	24.31	24.35	24.26	25
1.4	QPSK	1	3	24.31	24.18	24.30	
1.4	QPSK	1	5	24.18	24.26	24.11	
1.4	QPSK	3	0	23.21	23.30	23.40	
1.4	QPSK	3	1	23.32	23.35	23.15	
1.4	QPSK	3	3	23.11	23.28	23.21	
1.4	QPSK	6	0	23.46	23.27	23.58	24
1.4	16QAM	1	0	23.30	23.20	23.21	24
1.4	16QAM	1	3	23.40	23.30	23.30	
1.4	16QAM	1	5	23.12	23.40	23.06	
1.4	16QAM	3	0	22.25	22.27	22.33	
1.4	16QAM	3	1	22.19	22.07	22.31	
1.4	16QAM	3	3	22.35	22.43	22.15	
1.4	16QAM	6	0	22.34	22.20	22.52	23
1.4	64QAM	1	0	23.21	23.24	23.44	24
1.4	64QAM	1	3	23.17	23.27	23.02	
1.4	64QAM	1	5	23.13	23.19	23.20	
1.4	64QAM	3	0	22.22	22.25	22.18	
1.4	64QAM	3	1	22.10	22.08	22.09	
1.4	64QAM	3	3	22.09	22.35	22.04	
1.4	64QAM	6	0	22.31	22.17	22.37	23

Band 7 (2600MHz Band) (dBm) Part 27							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	23.70	23.86	23.80	24.5
20	QPSK	1	49	23.57	23.77	23.68	
20	QPSK	1	99	23.61	23.66	23.66	
20	QPSK	50	0	22.68	22.90	22.82	23.5
20	QPSK	50	24	22.74	22.81	22.83	
20	QPSK	50	50	22.64	22.76	22.84	
20	QPSK	100	0	23.00	22.77	23.06	23.5
20	16QAM	1	0	22.62	22.67	22.85	
20	16QAM	1	49	22.82	22.55	22.59	
20	16QAM	1	99	22.67	22.81	22.58	22.5
20	16QAM	50	0	21.86	21.77	21.75	
20	16QAM	50	24	21.78	21.82	21.77	
20	16QAM	50	50	21.49	21.63	21.61	23.5
20	16QAM	100	0	21.79	21.94	22.00	
20	64QAM	1	0	22.62	22.75	22.84	
20	64QAM	1	49	22.82	22.86	22.83	22.5
20	64QAM	1	99	22.63	22.61	22.83	
20	64QAM	50	0	21.86	21.68	21.76	
20	64QAM	50	24	21.79	21.94	21.55	22.5
20	64QAM	50	50	21.94	21.63	21.87	
20	64QAM	100	0	21.67	21.80	21.71	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	23.65	23.79	23.77	24.5
15	QPSK	1	37	23.65	23.71	23.77	
15	QPSK	1	74	23.68	23.57	23.67	
15	QPSK	36	0	22.76	22.76	22.92	23.5
15	QPSK	36	20	22.70	22.77	22.56	
15	QPSK	36	39	22.69	22.92	22.87	
15	QPSK	75	0	22.86	22.58	22.72	23.5
15	16QAM	1	0	22.93	22.97	22.88	
15	16QAM	1	37	22.60	22.82	22.92	
15	16QAM	1	74	22.68	22.79	22.90	22.5
15	16QAM	36	0	21.79	21.77	21.89	
15	16QAM	36	20	21.61	21.45	21.71	
15	16QAM	36	39	21.59	21.49	21.83	23.5
15	16QAM	75	0	21.89	21.89	21.96	
15	64QAM	1	0	22.90	22.88	22.71	
15	64QAM	1	37	22.67	22.65	22.64	22.5
15	64QAM	1	74	22.89	22.78	22.76	
15	64QAM	36	0	21.61	21.67	21.84	
15	64QAM	36	20	21.79	21.55	21.71	22.5
15	64QAM	36	39	21.59	21.59	21.79	
15	64QAM	75	0	21.72	21.71	21.65	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	23.71	23.80	23.75	24.5
10	QPSK	1	25	23.74	23.73	23.69	
10	QPSK	1	49	23.62	23.78	23.57	
10	QPSK	25	0	22.59	22.74	22.65	23.5
10	QPSK	25	12	22.68	22.62	22.63	
10	QPSK	25	25	22.87	22.60	22.77	
10	QPSK	50	0	22.77	22.87	22.80	23.5
10	16QAM	1	0	22.77	22.85	22.87	
10	16QAM	1	25	22.87	22.68	22.78	
10	16QAM	1	49	22.66	22.73	22.52	22.5
10	16QAM	25	0	21.87	21.64	21.84	
10	16QAM	25	12	21.74	21.58	21.86	
10	16QAM	25	25	21.71	21.83	21.58	23.5
10	16QAM	50	0	21.76	21.82	21.80	
10	64QAM	1	0	22.75	22.64	22.72	
10	64QAM	1	25	22.89	22.80	22.85	22.5
10	64QAM	1	49	22.82	22.70	22.49	
10	64QAM	25	0	21.58	21.88	21.92	
10	64QAM	25	12	21.62	21.76	21.60	22.5
10	64QAM	25	25	21.56	21.97	21.60	
10	64QAM	50	0	21.73	21.66	21.78	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	23.70	23.81	23.77	24.5
5	QPSK	1	12	23.64	23.69	23.70	
5	QPSK	1	24	23.74	23.62	23.59	
5	QPSK	12	0	22.58	22.74	22.84	23.5
5	QPSK	12	7	22.88	22.73	22.72	
5	QPSK	12	13	22.89	22.82	22.58	
5	QPSK	25	0	22.59	22.63	22.78	23.5
5	16QAM	1	0	22.64	22.75	22.89	
5	16QAM	1	12	22.70	22.86	22.63	
5	16QAM	1	24	22.73	22.92	22.86	22.5
5	16QAM	12	0	21.70	21.82	21.96	
5	16QAM	12	7	21.59	21.73	21.52	
5	16QAM	12	13	21.51	21.65	21.89	23.5
5	16QAM	25	0	21.82	21.88	21.71	
5	64QAM	1	0	22.71	22.75	22.57	
5	64QAM	1	12	22.67	22.75	22.79	22.5
5	64QAM	1	24	22.89	22.60	22.66	
5	64QAM	12	0	21.74	21.83	21.68	
5	64QAM	12	7	21.65	21.72	21.78	22.5
5	64QAM	12	13	21.70	21.55	21.81	
5	64QAM	25	0	21.98	21.86	21.77	

Band 12 (700MHz Low Band) (dBm) Part 27F(only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	23.69	23.74	23.65	24.5
10	QPSK	1	25	23.64	23.62	23.58	
10	QPSK	1	49	23.60	23.53	23.53	
10	QPSK	25	0	22.67	22.82	22.80	23.5
10	QPSK	25	12	22.74	22.75	22.55	
10	QPSK	25	25	22.75	22.75	22.89	
10	QPSK	50	0	22.70	22.90	22.82	23.5
10	16QAM	1	0	22.67	22.73	22.80	
10	16QAM	1	25	22.63	22.52	22.82	
10	16QAM	1	49	22.90	22.89	22.72	22.5
10	16QAM	25	0	21.81	21.92	21.84	
10	16QAM	25	12	21.76	21.75	21.93	
10	16QAM	25	25	21.58	21.81	21.79	23.5
10	16QAM	50	0	21.70	21.89	21.91	
10	64QAM	1	0	22.55	22.77	22.74	
10	64QAM	1	25	22.66	22.91	22.60	22.5
10	64QAM	1	49	22.52	22.85	22.82	
10	64QAM	25	0	21.91	21.71	21.56	
10	64QAM	25	12	21.82	21.54	21.60	22.5
10	64QAM	25	25	21.83	21.89	21.89	
10	64QAM	50	0	21.60	21.57	21.82	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.64	23.66	23.61	24.5
5	QPSK	1	12	23.63	23.59	23.53	
5	QPSK	1	24	23.55	23.57	23.59	
5	QPSK	12	0	22.60	22.71	22.75	23.5
5	QPSK	12	7	22.65	22.94	22.78	
5	QPSK	12	13	22.70	22.94	22.64	
5	QPSK	25	0	22.81	22.93	22.65	23.5
5	16QAM	1	0	22.85	22.73	22.84	
5	16QAM	1	12	22.75	22.89	22.56	
5	16QAM	1	24	22.73	22.84	22.85	22.5
5	16QAM	12	0	21.90	21.77	21.98	
5	16QAM	12	7	21.87	21.89	21.78	
5	16QAM	12	13	21.58	21.81	21.57	23.5
5	16QAM	25	0	22.03	21.71	21.78	
5	64QAM	1	0	22.71	22.66	22.57	
5	64QAM	1	12	22.60	22.72	22.61	22.5
5	64QAM	1	24	22.70	22.62	22.69	
5	64QAM	12	0	21.75	21.85	21.66	
5	64QAM	12	7	21.58	21.91	21.60	22.5
5	64QAM	12	13	21.89	21.64	21.54	
5	64QAM	25	0	21.63	21.76	21.81	
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	23.59	23.68	23.71	24.5
3	QPSK	1	8	23.69	23.62	23.63	
3	QPSK	1	14	23.60	23.71	23.64	
3	QPSK	8	0	22.78	22.90	22.81	23.5
3	QPSK	8	4	22.80	22.71	22.84	
3	QPSK	8	7	22.84	22.54	22.62	
3	QPSK	15	0	22.72	22.83	22.71	23.5
3	16QAM	1	0	22.92	22.84	22.89	
3	16QAM	1	8	22.91	22.84	22.68	
3	16QAM	1	14	22.59	22.68	22.96	22.5
3	16QAM	8	0	21.88	21.74	21.86	
3	16QAM	8	4	21.62	21.66	21.95	
3	16QAM	8	7	21.52	21.79	21.59	23.5
3	16QAM	15	0	21.75	21.78	21.80	
3	64QAM	1	0	22.82	22.91	22.82	
3	64QAM	1	8	22.67	22.70	22.65	22.5
3	64QAM	1	14	22.59	22.51	22.67	
3	64QAM	8	0	21.64	21.86	21.62	
3	64QAM	8	4	21.68	21.90	21.88	22.5
3	64QAM	8	7	21.69	21.81	21.65	
3	64QAM	15	0	21.65	21.89	21.67	
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	23.67	23.71	23.70	24.5
1.4	QPSK	1	3	23.63	23.64	23.64	
1.4	QPSK	1	5	23.55	23.63	23.59	
1.4	QPSK	3	0	22.60	22.90	22.82	23.5
1.4	QPSK	3	1	22.54	22.80	22.76	
1.4	QPSK	3	3	22.84	22.79	22.65	
1.4	QPSK	6	0	22.90	22.81	23.03	22.5
1.4	16QAM	1	0	22.75	22.88	22.79	
1.4	16QAM	1	3	22.73	22.85	22.86	
1.4	16QAM	1	5	22.83	22.56	22.76	23.5
1.4	16QAM	3	0	21.85	21.86	21.79	
1.4	16QAM	3	1	21.79	21.51	21.68	
1.4	16QAM	3	3	21.58	21.72	21.72	22.5
1.4	16QAM	6	0	21.56	21.80	21.71	
1.4	64QAM	1	0	22.80	22.85	22.65	
1.4	64QAM	1	3	22.77	22.79	22.66	23.5
1.4	64QAM	1	5	22.69	22.59	22.66	
1.4	64QAM	3	0	21.88	21.91	21.92	
1.4	64QAM	3	1	21.90	21.73	21.60	22.5
1.4	64QAM	3	3	21.67	21.75	21.92	
1.4	64QAM	6	0	21.59	21.70	21.65	

Band 66 (dBm)							
BW (MHz)	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	24.01	24.29	24.20	25
20	QPSK	1	49	24.17	24.03	24.09	
20	QPSK	1	99	24.02	24.17	24.10	
20	QPSK	50	0	23.15	23.28	23.17	24
20	QPSK	50	24	23.13	23.11	23.27	
20	QPSK	50	50	23.27	23.29	23.06	
20	QPSK	100	0	23.16	23.37	23.26	
20	16QAM	1	0	23.16	23.31	23.22	24
20	16QAM	1	49	23.35	23.25	23.11	
20	16QAM	1	99	23.09	23.03	23.05	
20	16QAM	50	0	22.35	22.18	22.37	23
20	16QAM	50	24	22.24	22.15	22.38	
20	16QAM	50	50	22.11	22.23	22.05	
20	16QAM	100	0	22.06	22.30	22.13	
20	64QAM	1	0	23.17	23.22	23.25	24
20	64QAM	1	49	23.03	23.22	23.15	
20	64QAM	1	99	23.13	23.06	23.26	
20	64QAM	50	0	22.22	22.34	22.09	23
20	64QAM	50	24	22.12	22.22	22.13	
20	64QAM	50	50	22.18	22.23	22.05	
20	64QAM	100	0	22.18	22.11	22.16	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	24.03	24.13	24.18	25
15	QPSK	1	37	24.08	24.10	24.08	
15	QPSK	1	74	24.10	24.15	24.11	
15	QPSK	36	0	23.19	23.46	23.32	24
15	QPSK	36	20	23.12	23.04	23.24	
15	QPSK	36	39	23.10	23.12	23.16	
15	QPSK	75	0	23.41	23.11	23.36	24
15	16QAM	1	0	23.10	23.40	23.20	
15	16QAM	1	37	23.35	23.30	23.13	
15	16QAM	1	74	23.08	23.40	23.14	
15	16QAM	36	0	22.15	22.15	22.12	23
15	16QAM	36	20	22.28	22.03	22.39	
15	16QAM	36	39	22.30	22.07	22.24	
15	16QAM	75	0	22.11	22.33	22.04	
15	64QAM	1	0	23.15	23.30	23.09	24
15	64QAM	1	37	23.26	23.11	23.19	
15	64QAM	1	74	23.33	23.09	23.28	
15	64QAM	36	0	22.20	22.32	22.16	23
15	64QAM	36	20	22.29	22.09	22.12	
15	64QAM	36	39	22.07	22.06	22.05	
15	64QAM	75	0	22.34	22.21	22.23	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	24.13	24.21	24.19	25
10	QPSK	1	25	24.10	24.15	24.14	
10	QPSK	1	49	24.08	24.16	24.07	
10	QPSK	25	0	23.33	23.40	23.38	24
10	QPSK	25	12	23.06	23.40	23.26	
10	QPSK	25	25	23.38	23.12	23.31	
10	QPSK	50	0	23.03	23.24	23.17	
10	16QAM	1	0	23.22	23.22	23.12	24
10	16QAM	1	25	23.11	23.20	23.25	
10	16QAM	1	49	23.09	23.01	23.12	
10	16QAM	25	0	22.34	22.41	22.10	23
10	16QAM	25	12	22.11	22.13	22.17	
10	16QAM	25	25	22.11	22.08	22.29	
10	16QAM	50	0	22.23	22.42	22.27	
10	64QAM	1	0	23.02	23.15	23.35	24
10	64QAM	1	25	23.12	23.01	23.00	
10	64QAM	1	49	23.32	23.07	23.16	
10	64QAM	25	0	22.42	22.12	22.32	23
10	64QAM	25	12	22.35	22.33	22.11	
10	64QAM	25	25	22.09	22.07	22.26	
10	64QAM	50	0	22.44	22.27	22.38	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	24.18	24.25	24.23	25
5	QPSK	1	12	24.03	24.05	24.19	
5	QPSK	1	24	24.09	24.05	24.10	
5	QPSK	12	0	23.43	23.16	23.31	24
5	QPSK	12	7	23.14	23.11	23.14	
5	QPSK	12	13	23.06	23.12	23.25	
5	QPSK	25	0	23.16	23.21	23.20	
5	16QAM	1	0	23.14	23.03	23.17	24
5	16QAM	1	12	23.19	23.37	23.23	
5	16QAM	1	24	23.32	23.13	23.39	
5	16QAM	12	0	22.35	22.06	22.40	23
5	16QAM	12	7	22.02	22.27	22.40	
5	16QAM	12	13	22.02	22.16	21.90	
5	16QAM	25	0	22.25	22.35	22.26	
5	64QAM	1	0	23.11	23.19	23.23	24
5	64QAM	1	12	23.25	23.12	23.38	
5	64QAM	1	24	23.08	23.09	23.29	
5	64QAM	12	0	22.10	22.16	22.19	23
5	64QAM	12	7	21.99	22.17	22.27	
5	64QAM	12	13	22.31	22.25	22.15	
5	64QAM	25	0	22.46	22.19	22.16	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	24.14	24.26	24.23	25
3	QPSK	1	8	24.11	24.18	24.21	
3	QPSK	1	14	24.04	24.11	24.18	

3	QPSK	8	0	23.24	23.40	23.13	24
3	QPSK	8	4	23.13	23.24	23.09	
3	QPSK	8	7	23.04	23.02	23.07	
3	QPSK	15	0	23.17	23.28	23.25	24
3	16QAM	1	0	23.08	23.25	23.28	
3	16QAM	1	8	23.04	23.18	23.24	
3	16QAM	1	14	23.17	23.34	23.39	23
3	16QAM	8	0	22.04	22.31	22.31	
3	16QAM	8	4	22.14	22.16	22.22	
3	16QAM	8	7	22.15	22.14	22.10	24
3	16QAM	15	0	22.14	22.35	22.13	
3	64QAM	1	0	23.26	23.24	23.07	
3	64QAM	1	8	23.25	23.32	23.13	23
3	64QAM	1	14	23.09	23.03	23.20	
3	64QAM	8	0	22.17	22.24	22.08	
3	64QAM	8	4	22.26	22.04	22.05	23
3	64QAM	8	7	22.23	22.19	22.18	
3	64QAM	15	0	22.24	22.25	22.39	
Channel				131979	132322	132685	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	24.22	24.24	24.12	25
1.4	QPSK	1	3	24.23	24.14	24.18	
1.4	QPSK	1	5	24.21	24.13	24.16	
1.4	QPSK	3	0	23.05	23.31	23.14	
1.4	QPSK	3	1	23.33	23.24	23.26	
1.4	QPSK	3	3	23.04	23.06	23.09	
1.4	QPSK	6	0	23.31	23.15	23.25	24
1.4	16QAM	1	0	23.14	23.42	23.53	24
1.4	16QAM	1	3	23.39	23.33	23.31	
1.4	16QAM	1	5	23.34	23.12	23.09	
1.4	16QAM	3	0	22.32	22.30	22.33	
1.4	16QAM	3	1	22.20	22.12	22.27	
1.4	16QAM	3	3	22.05	22.27	22.34	
1.4	16QAM	6	0	22.33	22.39	22.15	23
1.4	64QAM	1	0	23.30	23.29	23.11	24
1.4	64QAM	1	3	23.03	23.30	23.28	
1.4	64QAM	1	5	23.04	23.10	23.02	
1.4	64QAM	3	0	22.21	22.17	22.10	
1.4	64QAM	3	1	22.03	22.10	22.10	
1.4	64QAM	3	3	22.13	22.15	22.08	
1.4	64QAM	6	0	22.06	22.25	22.38	23

Band 48 (3.5G Band) (dBm)										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Middle-Low Channel	Middle-Low Channel	Middle-High Channel	High Channel	Tune-up limit (dBm)	
Channel				55340	55830	55990	56150	56640		
Frequency (MHz)				3560	3609	3625	3641	3690		
20	QPSK	1	0	23.81	23.69	23.85	23.68	23.80	24.5	
20	QPSK	1	49	23.79	23.68	23.79	23.80	23.70		
20	QPSK	1	99	23.71	23.73	23.66	23.77	23.57		
20	QPSK	50	0	22.75	22.66	22.81	22.73	22.65	23.5	
20	QPSK	50	24	22.66	22.72	22.72	22.55	22.60		
20	QPSK	50	50	22.78	22.67	22.73	22.62	22.63		
20	QPSK	100	0	22.64	22.70	22.83	22.87	22.76	23.5	
20	16QAM	1	0	23.80	22.67	22.73	22.70	22.67		
20	16QAM	1	49	22.77	22.58	22.69	22.53	22.59		
20	16QAM	1	99	22.59	22.51	22.68	22.62	22.73	22.5	
20	16QAM	50	0	21.77	21.75	21.84	21.72	21.68		
20	16QAM	50	24	21.82	21.83	21.79	21.65	21.83		
20	16QAM	50	50	21.83	21.57	21.69	21.70	21.88	22.5	
20	16QAM	100	0	21.99	21.82	22.04	22.03	21.75		
20	64QAM	1	0	22.88	22.83	22.72	22.63	22.55		
20	64QAM	1	49	22.88	22.75	22.81	22.65	22.63	23.5	
20	64QAM	1	99	22.72	22.70	22.66	22.54	22.61		
20	64QAM	50	0	21.77	21.79	21.85	21.83	21.77		
20	64QAM	50	24	21.73	21.69	21.73	21.74	21.52	22.5	
20	64QAM	50	50	21.89	21.65	21.81	21.79	21.59		
20	64QAM	100	0	21.71	21.78	21.79	21.63	21.60		
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)	
Frequency (MHz)				3557.5	3608	3625	3642	3692.5		
15	QPSK	1	0	23.75	23.76	23.80	23.71	23.68	24.5	
15	QPSK	1	37	23.51	23.66	23.66	23.70	23.63		
15	QPSK	1	74	23.65	23.77	23.68	23.57	23.58		
15	QPSK	36	0	22.72	22.86	22.81	22.62	22.68	23.5	
15	QPSK	36	20	22.76	22.72	22.66	22.78	22.75		
15	QPSK	36	39	22.85	22.86	22.68	22.75	22.51		
15	QPSK	75	0	22.69	22.97	22.89	22.72	22.80	23.5	
15	16QAM	1	0	22.78	22.75	22.85	22.79	22.77		
15	16QAM	1	37	22.64	22.63	22.69	22.84	22.70		
15	16QAM	1	74	22.56	22.63	22.73	22.71	22.70	22.5	
15	16QAM	36	0	21.81	21.73	21.90	21.81	21.67		
15	16QAM	36	20	21.87	21.75	21.69	21.56	21.71		
15	16QAM	36	39	21.87	21.83	21.86	21.94	21.52	23.5	
15	16QAM	75	0	21.69	21.56	21.64	21.74	21.63		
15	64QAM	1	0	22.74	22.62	22.74	22.82	22.84		
15	64QAM	1	37	22.80	22.73	22.59	22.60	22.79	23.5	
15	64QAM	1	74	22.78	22.79	22.60	22.51	22.59		
15	64QAM	36	0	21.71	21.74	21.83	21.82	21.81		
15	64QAM	36	20	21.62	21.58	21.79	21.68	21.48	22.5	
15	64QAM	36	39	21.68	21.54	21.63	21.68	21.48		
15	64QAM	75	0	21.78	21.89	21.60	21.58	21.68		
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)	
Frequency (MHz)				3555	3607.5	3625	3642.5	3695		
10	QPSK	1	0	23.74	23.00	23.75	23.73	23.68	24.5	
10	QPSK	1	25	23.69	23.71	23.60	23.59	23.67		
10	QPSK	1	49	23.73	23.83	23.69	23.56	23.75		
10	QPSK	25	0	22.68	22.94	23.09	22.66	22.75	23.5	
10	QPSK	25	12	22.77	22.47	22.62	22.79	22.94		
10	QPSK	25	25	22.96	22.68	22.58	22.72	22.82		
10	QPSK	50	0	22.68	22.90	22.96	22.66	22.77	23.5	
10	16QAM	1	0	22.82	23.05	22.76	23.00	22.77		
10	16QAM	1	25	22.62	22.52	22.52	22.80	22.52		
10	16QAM	1	49	22.59	22.68	22.89	22.54	22.70	22.5	
10	16QAM	25	0	21.82	21.69	21.63	21.94	21.70		
10	16QAM	25	12	21.55	21.65	21.55	21.67	21.97		
10	16QAM	25	25	21.69	21.80	21.57	21.54	21.60	21.5	
10	16QAM	50	0	21.62	21.69	21.70	21.62	21.88		
10	64QAM	1	0	22.90	22.67	22.65	22.86	22.75		
10	64QAM	1	25	22.89	23.06	22.68	22.60	22.93	20.5	
10	64QAM	1	49	22.83	22.48	22.69	22.47	22.81		
10	64QAM	25	0	21.78	21.88	21.91	21.85	21.80		
10	64QAM	25	12	21.47	21.90	21.89	21.53	21.55	22.5	
10	64QAM	25	25	21.75	21.61	21.99	21.77	21.90		
10	64QAM	50	0	21.66	21.93	21.78	22.03	21.68		
Channel				55265	55810	55990	56170	56175	Tune-up limit (dBm)	
Frequency (MHz)				3552.5	3607	3625	3643	3697.5		
5	QPSK	1	0	23.69	23.70	23.80	23.80	23.66	24.5	
5	QPSK	1	12	23.66	23.65	23.77	23.70	23.83		
5	QPSK	1	24	23.72	23.79	23.71	23.83	23.60		
5	QPSK	12	0	22.91	22.95	22.91	22.71	22.65	23.5	
5	QPSK	12	7	22.80	22.75	22.79	22.69	22.65		
5	QPSK	12	13	22.63	22.56	22.83	22.83	22.69		
5	QPSK	25	0	22.69	22.71	22.83	22.71	22.60	23.5	
5	16QAM	1	0	22.77	22.87	22.87	22.69	22.71		
5	16QAM	1	12	22.62	22.58	22.59	22.71	22.54		
5	16QAM	1	24	22.54	22.50	22.61	22.54	22.56	22.5	
5	16QAM	12	0	21.75	21.81	21.85	21.70	21.62		
5	16QAM	12	7	21.77	21.59	21.75	21.60	21.87		
5	16QAM	12	13	21.64	21.61	21.77	21.70	21.63	23.5	
5	16QAM	25	0	21.85	21.59	21.77	21.75	21.67		
5	64QAM	1	0	22.65	22.66	22.67	22.83	22.57		
5	64QAM	1	12	22.58	22.63	22.55	22.71	22.62	23.5	
5	64QAM	1	24	22.61	22.59	22.68	22.59	22.51		
5	64QAM	12	0	21.91	21.69	21.99	21.81	21.87		
5	64QAM	12	7	21.66	21.76	21.48	21.82	21.92	22.5	
5	64QAM	12	13	21.69	21.86	21.92	21.94	21.58		
5	64QAM	25	0	21.73	21.68	21.88	21.61	21.74		

n66 (1710 ~ 1780 MHz)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				344000	349000	354000	
Frequency (MHz)				1720	1745	1770	
20	DFT-s-OFDM P1/2 BPSK	1	1	28.81	28.64	29.09	30
20		1	53	28.29	28.59	28.73	
20		1	104	28.42	28.92	28.86	
20		53	1	28.74	28.63	29.01	30
20		53	26	28.65	28.61	28.98	
20		53	52	28.39	28.58	28.74	
20	DFT-s-OFDM QPSK	106	0	27.70	27.76	27.92	30
20		1	1	28.86	28.82	29.12	
20		1	53	28.61	28.66	29.00	
20		1	104	28.91	28.82	28.93	30
20		53	1	28.84	28.70	29.06	
20		53	26	28.75	28.88	29.11	
20	DFT-s-OFDM 16QAM	53	52	28.63	28.78	28.98	30
20		106	0	27.84	27.94	28.07	
20		1	1	28.37	28.29	29.08	
20	DFT-s-OFDM 64QAM	1	1	27.46	27.53	27.80	28.5
20	DFT-s-OFDM 256QAM	1	1	25.00	24.99	25.25	26
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	DFT-s-OFDM QPSK	1	1	28.86	28.73	29.04	30
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	DFT-s-OFDM QPSK	1	1	28.72	28.70	28.34	30
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	DFT-s-OFDM QPSK	1	1	28.73	28.85	28.90	30
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	CP-OFDM QPSK	1	1	27.69	27.73	28.60	30
20	CP-OFDM 16QAM	1	1	27.28	27.57	28.19	29
20	CP-OFDM 64QAM	1	1	26.59	26.27	26.94	27.5
20	CP-OFDM 256QAM	1	1	22.99	22.91	23.27	24

2CC LTE Downlink												
Configure	CA Configuration	PCC				SCC				Power		
		Band	BW (MHz)	UL Channel	UL Freq (MHz)	UL Mode (Modulation/RB/Offset)	Band	BW (MHz)	DL Channel	DL Freq (MHz)	CA TX (dBm)	Rel 8 TX (dBm)
Intra-band & Inter-band	CA_2A-4A	2	20	18700	1860.0	QPSK1/80	4	20	2300	2145.0	23.95	24.42
	CA_2A-7A	2	20	18700	1860.0	QPSK1/80	7	20	3350	2680.0	23.87	24.20
	CA_4A-7A	4	20	20050	1720.0	QPSK1/80	7	20	3350	2680.0	23.52	24.40
	CA_4A-12A	4	20	20050	1720.0	QPSK1/80	12	5	5155	743.5	23.74	24.40
	CA_4A-48A	4	20	20050	1720.0	QPSK1/80	48	20	56840	3690.0	23.92	24.40
	CA_7C	7	20	21001	2525.1	QPSK1/80	7	20	3199	2684.9	23.13	23.86
	CA_12A-66A	12	5	23035	701.5	QPSK1/80	66	20	67236	2190.0	23.10	23.74
	CA_48C	48	20	55891	3615.1	QPSK1/80	48	20	56089	3634.9	23.61	23.85
	CA_48A_48A	48	20	55340	3560.0	QPSK1/80	48	20	56840	3690.0	23.76	23.85
	CA_48A-66A	48	20	55340	3560.0	QPSK1/80	66	20	67236	2190.0	23.73	23.85
	CA_66A-66A	66	20	132072	1720.0	QPSK1/80	66	20	67236	2190.0	23.56	24.29

3CC LTE Downlink																
Configure	CA Configuration	PCC					SCC1			SCC2			Power			
		Band	BW (MHz)	UL Freq (MHz)	UL Mode (Modulation/RB/Offset)	Band	BW (MHz)	DL Freq (MHz)	Band	BW (MHz)	DL Freq (MHz)	CA TX (dBm)	Rel 8 TX (dBm)			
Intra-band & Inter-band	CA_4A_48C	4	20	20050	1720.0	QPSK1/80	48	20	55891	3615.1	48	20	56089	3634.9	23.88	24.40
	CA_12A-66A-66A	12	5	23035	701.5	QPSK1/80	66	20	132072	1720.0	66	20	67236	2190.0	23.29	23.74
	CA_48A-66A-66A	48	20	55340	3560.0	QPSK1/80	66	20	132072	1720.0	66	20	67236	2190.0	23.55	23.85
	CA_48C-66A	48	20	55891	3615.1	QPSK1/80	48	20	56089	3634.9	66	20	67236	2190.0	23.60	23.85
	CA_48A-48A-66A	48	20	55340	3560.0	QPSK1/80	48	20	56840	3690.0	66	20	67236	2190.0	23.66	23.85
	CA_48A-48C	48	20	55340	3560.0	QPSK1/80	48	20	55891	3615.1	48	20	56089	3634.9	23.71	23.85
	CA_48D	48	20	55792	3605.2	QPSK1/80	48	20	55990	3625.0	48	20	56188	3644.8	23.67	23.85

4CC LTE Downlink																				
Configure	CA Configuration	PCC				SCC1				SCC2				SCC3				Power		
		Band	BW (MHz)	UL Channel	UL Freq (MHz)	UL Mode (Modulation/RB/Offset)	Band	BW (MHz)	DL Freq (MHz)	Band	BW (MHz)	DL Channel	DL Freq (MHz)	Band	BW (MHz)	DL Channel	DL Freq (MHz)	CA TX (dBm)	Rel 8 TX (dBm)	
Intra-band & Inter-band	CA_48A-48A-66A-66A	48	20	55340	3560.0	QPSK1/80	48	20	56640	3690.0	66	20	66536	2120	66	20	67236	2190.0	23.71	23.85
	CA_48A-48C-66A	48	20	55340	3560.0	QPSK1/80	48	20	55891	3615.1	48	20	56089	3634.9	66	20	67236	2190.0	23.55	23.85
	CA_48C-66A-66A	48	20	55891	3615.1	QPSK1/80	48	20	56089	3634.9	66	20	66536	2120	66	20	67236	2190.0	23.62	23.85
	CA_48D-66A	48	20	55792	3605.2	QPSK1/80	48	20	55891	3615.1	48	20	56188	3644.8	66	20	67236	2190.0	23.75	23.85
	CA_48E	48	20	55340	3560.0	QPSK1/80	48	20	55538	3579.8	48	20	55736	3599.8	48	5	55853	3611.3	23.70	23.85
	CA_48A-48D	48	20	55340	3560.0	QPSK1/80	48	20	55792	3605.2	48	20	55891	3615.1	48	20	56188	3644.8	23.59	23.85
	CA_48C-48C	48	20	55891	3615.1	QPSK1/80	48	20	56089	3634.9	48	20	55891	3615.1	48	20	56089	3634.9	23.67	23.85

5CC LTE Downlink																								
Configure	CA Configuration	PCC				SCC1				SCC2				SCC3				SCC4				Power		
		Band	BW (MHz)	UL Channel	UL Freq. (MHz)	UL Mode (Modulation/RB/Offset)	Band	BW (MHz)	DL Channel	DL Freq. (MHz)	Band	BW (MHz)	DL Channel	DL Freq. (MHz)	Band	BW (MHz)	DL Channel	DL Freq. (MHz)	Band	BW (MHz)	DL Channel	DL Freq. (MHz)	CA TX (dBm)	Rel 8 TX (dBm)
Intra-band & Inter-band	CA_48C-48D	48	20	55891	3615.1	QPSK1/80	48	20	56089	3634.9	48	20	55792	3605.2	48	20	55990	3625.0	48	20	56188	3644.8	23.61	23.85
	CA_48E-66A	48	20	55340	3560.0	QPSK1/80	48	20	55538	3579.8	48	20	55736	3599.8	48	5	55853	3611.3	66	20	67236	2190.0	23.69	23.85
	CA_48A-48D-66A	48	20	55340	3560.0	QPSK1/80	48	20	55792	3605.2	48	20	55990.0	3625	48	20	56188.0	3645	66	20	67236	2190.0	23.58	23.85
	CA_48C-48C-66A	48	20	55891	3615.1	QPSK1/80	48	20	56089	3634.9	48	20	55891.0	3615	48	20	56089.0	3635	66	20	67236	2190.0	23.73	23.85

2.4GHz WLAN ANT 1

2.4GHz WLAN ANT 1	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11b 1Mbps	CH 1	2412	18.83	19.50	21	72.95
		CH 6	2437	18.40	19.00	21	53.42
		CH 11	2462	18.68	19.50	21	53.44
	802.11g 6Mbps	CH 1	2412	20.48	21.00	21	91.79
		CH 6	2437	20.28	21.00	21	91.79
		CH 11	2462	20.39	21.00	21	91.79
	802.11n-HT20 MCS0	CH 1	2412	20.41	21.00	21	93.84
		CH 6	2437	20.43	21.00	21	95.31
		CH 11	2462	20.52	21.00	21	95.16
	802.11n-HT40 MCS0	CH 3	2422	20.82	21.50	21	92.87
		CH 8	2437	20.48	21.00	21	93.94
		CH 9	2452	21.19	22.00	21	90.99
	802.11ax-HEW20 MCS0 (RU242)	CH 1	2412	20.59	21.50	21	94.23
		CH 6	2437	20.72	21.50	21	94.23
		CH 11	2462	20.61	21.50	21	93.93
	802.11ax-HEW40 MCS0	CH 3	2422	20.96	21.50	21	93.93
		CH 8	2437	20.83	21.50	21	95.19
		CH 9	2452	21.17	22.00	21	95.19

5.2GHz WLAN ANT 1

5.2GHz WLAN ANT 1	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a 6Mbps	CH 36	5180	18.75	19.50	21	90.79
		CH 44	5220	21.22	22.00	21	90.79
		CH 48	5240	21.24	22.00	21	90.79
	802.11n-HT20 MCS0	CH 36	5180	20.71	21.50	21	95.10
		CH 44	5220	21.37	22.00	21	95.44
		CH 48	5240	21.33	22.00	21	95.77
	802.11n-HT40 MCS0	CH 38	5190	13.55	14.00	21	95.42
		CH 46	5230	21.61	22.50	21	93.45
		CH 36	5180	20.82	21.50	21	95.42
	802.11ac-VHT20 MCS0	CH 44	5220	21.38	22.00	21	95.42
		CH 48	5240	21.42	22.00	21	95.42
	802.11ac-VHT40 MCS0	CH 38	5190	21.23	22.00	21	94.10
		CH 46	5230	21.72	22.50	21	89.44
	802.11ac-VHT80 MCS0	CH 42	5210	21.89	22.50	21	94.76
		CH 38	5180	19.17	20.00	19	94.46
	802.11ax-HEW20 MCS0	CH 44	5220	19.75	20.50	19	95.44
		CH 48	5240	19.80	20.50	19	94.44
	802.11ax-HEW40 MCS0	CH 38	5190	12.61	13.50	19	95.44
		CH 46	5230	20.15	21.00	19	95.44
	802.11ax-HEW80 MCS0	CH 42	5210	20.15	21.00	19	95.10

5.8GHz WLAN ANT 1

5.8GHz WLAN ANT 1	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a 6Mbps	CH 149	5745	19.65	20.50	21	92.00
		CH 157	5785	20.14	20.50	21	90.79
		CH 165	5825	20.89	21.50	21	90.79
	802.11n-HT20 MCS0	CH 149	5745	19.65	20.50	21	95.42
		CH 157	5785	20.30	21.00	21	93.15
		CH 165	5825	21.13	22.00	21	95.42
	802.11n-HT40 MCS0	CH 151	5755	20.33	21.00	21	94.44
		CH 159	5795	20.78	21.50	21	93.15
		CH 149	5745	19.66	20.50	21	95.42
	802.11ac-VHT20 MCS0	CH 157	5785	20.29	21.00	21	93.79
		CH 165	5825	21.03	22.00	21	95.09
	802.11ac-VHT40 MCS0	CH 151	5755	20.39	21.00	21	95.76
		CH 159	5795	20.82	21.50	21	95.09
	802.11ac-VHT80 MCS0	CH 155	5775	19.78	20.50	21	95.10
		CH 149	5745	17.94	18.50	19	95.44
	802.11ax-HEW20 MCS0	CH 157	5785	18.47	19.00	19	94.12
		CH 165	5825	19.36	20.00	19	95.79
	802.11ax-HEW40 MCS0	CH 151	5755	18.60	19.50	19	94.12
		CH 159	5795	18.93	19.50	19	94.79
	802.11ax-HEW80 MCS0	CH 155	5775	19.15	20.00	19	94.12

2.4GHz WLAN ANT 2

2.4GHz WLAN ANT 2	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11b 1Mbps	CH 1	2412	17.90	18.50	21	53.46
		CH 6	2437	18.00	18.50	21	53.86
		CH 11	2462	17.62	18.50	21	53.46
	802.11g 6Mbps	CH 1	2412	20.27	21.00	22	91.82
		CH 6	2437	20.62	21.50	22	91.79
		CH 11	2462	20.36	21.00	22	92.31
	802.11n-HT20 MCS0	CH 1	2412	20.26	21.00	22	95.49
		CH 6	2437	20.41	21.00	22	92.27
		CH 11	2462	20.28	21.00	22	94.25
	802.11n-HT40 MCS0	CH 3	2422	20.77	21.50	22	89.03
		CH 8	2437	20.27	21.00	22	95.18
		CH 9	2452	20.61	21.50	22	90.54
	802.11ax-HEW20 MCS0 (RU242)	CH 1	2412	20.61	21.50	22	93.96
		CH 6	2437	20.77	21.50	22	95.37
		CH 11	2462	20.51	21.50	22	93.96
	802.11ax-HEW40 MCS0	CH 3	2422	21.00	21.50	22	93.96
		CH 8	2437	21.04	21.50	22	94.88
		CH 9	2452	21.13	22.00	22	95.33

5.2GHz WLAN ANT 2

5.2GHz WLAN ANT 2	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a 6Mbps	CH 36	5180	18.95	19.50	21	92.00
		CH 44	5220	21.06	21.50	21	90.79
		CH 48	5240	20.83	21.50	21	90.67
	802.11n-HT20 MCS0	CH 36	5180	20.80	21.50	21	95.42
		CH 44	5220	21.12	22.00	21	95.10
		CH 48	5240	20.84	21.50	21	93.13
	802.11n-HT40 MCS0	CH 38	5190	13.32	14.00	21	93.15
		CH 46	5230	21.67	22.50	21	95.44
		CH 36	5180	20.86	21.50	21	92.20
	802.11ac-VHT20 MCS0	CH 44	5220	21.11	22.00	21	93.77
		CH 48	5240	20.91	21.50	21	94.12
	802.11ac-VHT40 MCS0	CH 38	5190	21.19	22.00	21	95.42
		CH 46	5230	21.47	22.00	21	93.45
	802.11ac-VHT80 MCS0	CH 42	5210	21.87	22.50	21	94.12
		CH 36	5180	19.02	19.50	19	94.44
	802.11ax-HEW20 MCS0	CH 44	5220	19.50	20.00	19	95.44
		CH 48	5240	19.31	20.00	19	95.44
	802.11ax-HEW40 MCS0	CH 38	5190	12.39	13.00	19	95.44
		CH 46	5230	19.66	20.50	19	94.12
	802.11ax-HEW80 MCS0	CH 42	5210	20.09	20.50	19	95.12

5.8 WLAN ANT 2

5.8GHz WLAN ANT 2	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a 6Mbps	CH 149	5745	20.47	21.00	21	90.67
		CH 157	5785	20.55	21.00	21	90.79
		CH 165	5825	20.90	21.50	21	90.79
	802.11n-HT20 MCS0	CH 149	5745	20.51	21.00	21	94.10
		CH 157	5785	20.61	21.50	21	95.42
		CH 165	5825	21.02	21.50	21	95.42
	802.11n-HT40 MCS0	CH 151	5755	20.95	21.50	21	93.47
		CH 159	5795	21.05	21.50	21	95.10
		CH 149	5745	20.45	21.00	21	93.77
	802.11ac-VHT20 MCS0	CH 157	5785	20.54	21.00	21	93.77
		CH 165	5825	20.99	21.50	21	95.44
	802.11ac-VHT40 MCS0	CH 151	5755	20.77	21.50	21	93.13
		CH 159	5795	21.00	21.50	21	95.09
	802.11ac-VHT80 MCS0	CH 155	5775	21.79	22.50	21	94.12
		CH 149	5745	18.85	19.50	19	94.12
	802.11ax-HEW20 MCS0	CH 157	5785	18.61	19.50	19	86.35
		CH 165	5825	19.12	20.00	19	94.12
	802.11ax-HEW40 MCS0	CH 151	5755	19.19	20.00	19	95.10
		CH 159	5795	19.24	20.00	19	95.44
	802.11ax-HEW80 MCS0	CH 155	5775	20.02	20.50	19	95.44

2.4GHz WLAN ANT 3

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
2.4GHz WLAN ANT 3	802.11b 1Mbps	CH 1	2412	17.75	18.50	21	53.46
		CH 6	2437	18.48	19.00	21	53.42
		CH 11	2462	17.94	18.50	21	53.44
	802.11g 6Mbps	CH 1	2412	20.23	21.00	22	91.90
		CH 6	2437	20.59	21.00	22	91.90
		CH 11	2462	20.35	21.00	22	91.90
	802.11n-HT20 MCS0	CH 1	2412	20.22	21.00	22	92.87
		CH 6	2437	20.64	21.50	22	93.50
		CH 11	2462	20.45	21.00	22	94.08
	802.11n-HT40 MCS0	CH 3	2422	20.50	21.00	22	95.00
		CH 6	2437	20.94	21.50	22	93.03
		CH 9	2452	20.89	21.50	22	93.04
	802.11ax-HEW20 MCS0 (RU242)	CH 1	2412	20.48	21.00	22	94.27
		CH 6	2437	20.89	21.50	22	94.10
		CH 11	2462	20.55	21.00	22	95.33
	802.11ax-HEW40 MCS0	CH 3	2422	20.82	21.50	22	93.98
		CH 6	2437	20.97	21.50	22	93.93
		CH 9	2452	21.23	22.00	22	93.79

2.4GHz WLAN ANT 4

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
2.4GHz WLAN ANT 4	802.11b 1Mbps	CH 1	2412	18.77	19.50	21	72.92
		CH 6	2437	18.58	19.00	21	53.84
		CH 11	2462	19.02	19.50	21	53.46
	802.11g 6Mbps	CH 1	2412	21.17	22.00	22	91.82
		CH 6	2437	21.23	22.00	22	91.82
		CH 11	2462	21.49	22.00	22	91.82
	802.11n-HT20 MCS0	CH 1	2412	21.18	22.00	22	95.49
		CH 6	2437	21.26	22.00	22	95.35
		CH 11	2462	21.35	22.00	22	92.44
	802.11n-HT40 MCS0	CH 3	2422	20.39	21.00	22	88.87
		CH 6	2437	20.72	21.50	22	93.03
		CH 9	2452	20.78	21.50	22	90.42
	802.11ax-HEW20 MCS0 (RU242)	CH 1	2412	20.22	21.00	21	94.10
		CH 6	2437	20.53	21.00	21	93.96
		CH 11	2462	20.69	21.50	21	95.33
	802.11ax-HEW40 MCS0	CH 3	2422	20.75	21.50	21	95.19
		CH 6	2437	21.02	21.50	21	95.16
		CH 9	2452	20.85	21.50	21	94.10

5GHz WLAN ANT 3

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.2GHz WLAN ANT 3	802.11a 6Mbps	CH 36	5180	18.19	19.00	21	90.67
		CH 44	5220	20.06	20.50	21	90.79
		CH 48	5240	19.57	20.00	21	90.79
	802.11n-HT20 MCS0	CH 36	5180	19.92	20.50	21	95.77
		CH 44	5220	20.19	21.00	21	95.42
		CH 48	5240	19.83	20.50	21	90.37
	802.11n-HT40 MCS0	CH 38	5190	12.07	13.00	21	94.43
		CH 46	5230	20.54	21.00	21	95.42
		CH 36	5180	19.99	20.50	21	94.77
	802.11ac-VHT20 MCS0	CH 44	5220	20.20	21.00	21	94.12
		CH 48	5240	19.62	20.50	21	95.42
		CH 38	5190	20.44	21.00	21	95.10
	802.11ac-VHT40 MCS0	CH 46	5230	20.58	21.00	21	93.47
		CH 42	5210	20.99	21.50	21	93.47
	802.11ax-HEW20 MCS0	CH 36	5180	18.50	19.00	19	94.44
		CH 42	5220	18.70	19.50	19	95.44
		CH 48	5240	17.99	18.50	19	94.44
	802.11ax-HEW40 MCS0	CH 38	5190	11.24	12.00	19	89.51
		CH 46	5230	18.83	19.50	19	92.54
		CH 42	5210	19.53	20.00	19	94.12

5.2GHz WLAN ANT 4

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.2GHz WLAN ANT 4	802.11a 6Mbps	CH 36	5180	17.25	18.00	21	90.79
		CH 44	5220	19.56	20.00	21	90.79
		CH 48	5240	19.28	20.00	21	90.79
	802.11n-HT20 MCS0	CH 36	5180	19.29	20.00	21	95.44
		CH 44	5220	19.34	20.00	21	91.89
		CH 48	5240	19.20	20.00	21	95.10
	802.11n-HT40 MCS0	CH 38	5190	11.95	12.50	21	95.44
		CH 46	5230	19.79	20.50	21	95.42
		CH 36	5180	19.22	20.00	21	93.79
	802.11ac-VHT20 MCS0	CH 44	5220	19.54	20.00	21	95.10
		CH 48	5240	19.15	20.00	21	95.09
		CH 38	5190	19.72	20.50	21	95.44
	802.11ac-VHT40 MCS0	CH 46	5230	19.79	20.50	21	93.47
		CH 42	5210	20.14	21.00	21	95.09
	802.11ax-HEW20 MCS0	CH 36	5180	17.65	18.50	19	95.44
		CH 44	5220	17.76	18.50	19	95.45
		CH 48	5240	17.43	18.00	19	95.44
	802.11ax-HEW40 MCS0	CH 38	5190	11.03	11.50	19	94.46
		CH 46	5230	18.07	18.50	19	94.44
		CH 42	5210	18.40	19.00	19	94.12

5GHz WLAN ANT 3

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.8GHz WLAN ANT 3	802.11a 6Mbps	CH 149	5745	20.56	21.00	21	90.79
		CH 157	5785	20.83	21.50	21	92.00
		CH 165	5825	21.27	22.00	21	92.00
	802.11n-HT20 MCS0	CH 149	5745	20.47	21.00	21	93.79
		CH 157	5785	20.68	21.50	21	95.77
		CH 165	5825	21.31	22.00	21	93.77
	802.11n-HT40 MCS0	CH 151	5755	21.13	22.00	21	93.13
		CH 159	5795	21.61	22.50	21	95.44
		CH 149	5745	20.56	21.00	21	95.76
	802.11ac-VHT20 MCS0	CH 157	5785	20.77	21.50	21	94.76
		CH 165	5825	21.34	22.00	21	95.44
		CH 151	5755	21.20	22.00	21	94.76
	802.11ac-VHT40 MCS0	CH 159	5795	21.60	22.50	21	89.44
		CH 155	5775	21.66	22.50	21	93.15
		CH 149	5745	18.77	19.50	19	94.79
	802.11ax-HEW20 MCS0	CH 157	5785	19.12	20.00	19	94.79
		CH 165	5825	19.78	20.50	19	95.44
		CH 151	5755	19.39	20.00	19	95.44
	802.11ax-HEW40 MCS0	CH 159	5795	19.99	20.50	19	94.46
		CH 155	5775	20.02	20.50	19	94.44

5.8GHz WLAN ANT 4

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.8GHz WLAN ANT 4	802.11a 6Mbps	CH 149	5745	20.94	21.50	21	90.79
		CH 157	5785	21.23	22.00	21	90.67
		CH 165	5825	21.86	22.50	21	90.67
	802.11n-HT20 MCS0	CH 149	5745	20.98	21.50	21	93.79
		CH 157	5785	21.26	22.00	21	95.77
		CH 165	5825	22.27	23.00	21	93.77
	802.11n-HT40 MCS0	CH 151	5755	21.54	22.00	21	94.76
		CH 159	5795	21.85	22.50	21	94.76
		CH 149	5745	21.03	21.50	21	95.44
	802.11ac-VHT20 MCS0	CH 157	5785	21.32	22.00	21	93.79
		CH 165	5825	21.82	22.50	21	95.77
		CH 151	5755	21.52	22.50	21	95.42
	802.11ac-VHT40 MCS0	CH 159	5795	21.84	22.50	21	89.47
		CH 155	5775	21.95	22.50	21	89.47
		CH 149	5745	19.19	20.00	19	95.77
	802.11ax-HEW20 MCS0	CH 157	5785	19.49	20.00	19	95.44
		CH 165	5825	20.23	21.00	19	94.77
		CH 151	5755	19.64	20.50	19	95.77
	802.11ax-HEW40 MCS0	CH 159	5795	20.13	21.00	19	94.44
		CH 155	5775	20.38	21.00	19	95.44

2.4GHz WLAN ANT 1+2+3+4

2.4GHz WLAN ANT 1+2+3+4	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11b 1Mbps	CH 1	2412	N/A	N/A	N/A	N/A
		CH 6	2437	N/A	N/A	N/A	N/A
		CH 11	2462	N/A	N/A	N/A	N/A
	802.11g 6Mbps	CH 1	2412	N/A	N/A	N/A	N/A
		CH 6	2437	N/A	N/A	N/A	N/A
		CH 11	2462	N/A	N/A	N/A	N/A
	802.11n-HT20 MCS0	CH 1	2412	20.02	20.50	15	93.50
		CH 6	2437	20.12	21.00	15	90.42
		CH 11	2462	19.94	20.50	15	95.00
	802.11n-HT40 MCS0	CH 3	2422	20.25	21.00	15	88.87
		CH 8	2437	20.29	21.00	15	89.15
		CH 9	2452	20.53	21.00	15	89.16
	802.11ax-HEW20 MCS0 (RU242)	CH 1	2412	20.24	21.00	15	94.71
		CH 6	2437	20.30	21.00	15	94.98
		CH 11	2462	20.21	21.00	15	95.33
	802.11ax-HEW40 MCS0	CH 3	2422	20.52	21.00	15	94.10
		CH 8	2437	20.54	21.00	15	93.83
		CH 9	2452	20.71	21.50	15	95.37

5.2GHz WLAN ANT 1+2+3+4

5.2GHz WLAN ANT 1+2+3+4	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a 6Mbps	CH 36	5180	N/A	N/A	N/A	N/A
		CH 44	5220	N/A	N/A	N/A	N/A
		CH 48	5240	N/A	N/A	N/A	N/A
	802.11n-HT20 MCS0	CH 36	5180	20.70	21.50	15	95.42
		CH 44	5220	20.97	21.50	15	95.09
		CH 48	5240	20.66	21.50	15	87.42
	802.11n-HT40 MCS0	CH 38	5190	18.71	19.50	15	93.13
		CH 46	5230	21.45	22.00	15	93.13
		CH 36	5180	20.82	21.50	15	95.44
	802.11ac-VHT20 MCS0	CH 44	5220	21.15	22.00	15	95.09
		CH 48	5240	20.96	21.50	15	95.44
	802.11ac-VHT40 MCS0	CH 38	5190	21.22	22.00	15	93.13
		CH 46	5230	21.39	22.00	15	95.42
	802.11ac-VHT80 MCS0	CH 42	5210	20.71	21.50	14	89.47
		CH 36	5180	19.04	19.50	13	94.46
		CH 44	5220	19.40	20.00	13	94.44
	802.11ax-HEW20 MCS0	CH 48	5240	19.20	20.00	13	95.44
		CH 38	5190	17.84	18.50	13	94.44
		CH 46	5230	19.58	20.00	13	94.46
	802.11ax-HEW80 MCS0	CH 42	5210	18.97	19.50	13	95.10

5.8 WLAN ANT 1+2+3+4

5.8GHz WLAN ANT 1+2+3+4	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a 6Mbps	CH 149	5745	N/A	N/A	N/A	N/A
		CH 157	5785	N/A	N/A	N/A	N/A
		CH 165	5825	N/A	N/A	N/A	N/A
	802.11n-HT20 MCS0	CH 149	5745	21.13	22.00	15	95.42
		CH 157	5785	21.37	22.00	15	95.77
		CH 165	5825	21.93	22.50	15	95.42
	802.11n-HT40 MCS0	CH 151	5755	21.42	22.00	15	89.14
		CH 159	5795	21.71	22.50	15	93.13
		CH 149	5745	21.01	21.50	15	95.42
	802.11ac-VHT20 MCS0	CH 157	5785	21.28	22.00	15	95.10
		CH 165	5825	21.92	22.50	15	95.42
		CH 151	5755	21.43	22.00	15	95.42
	802.11ac-VHT40 MCS0	CH 159	5795	21.70	22.50	15	95.44
	802.11ac-VHT80 MCS0	CH 155	5775	21.08	21.50	14	93.77
	802.11ax-HEW20 MCS0	CH 149	5745	19.28	20.00	13	95.12
		CH 157	5785	19.57	20.00	13	95.45
		CH 165	5825	20.15	20.50	13	94.44
	802.11ax-HEW40 MCS0	CH 151	5755	19.53	20.00	13	94.44
		CH 159	5795	19.94	20.50	13	94.44
	802.11ax-HEW80 MCS0	CH 155	5775	19.10	20.00	13	94.14