



REPORT No. : SZ21100051S01

Annex E Conducted Power

GSM850		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	Ch Delta > 0.5
TX Channel		128	189	251		128	189	251		
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8		
GSM 1 Tx slot		33.36	33.35	33.30	34.00	24.36	24.35	24.30	25.00	0.08
GPRS 1 Tx slot		33.37	33.38	33.31	34.00	24.37	24.38	24.31	25.00	
GPRS 2 Tx slots		32.28	32.38	32.33	33.00	26.28	26.38	26.33	27.00	0.10
GPRS 3 Tx slots		30.20	30.25	30.24	31.00	25.94	25.99	25.98	26.74	0.05
GPRS 4 Tx slots		28.64	28.65	28.62	29.00	25.64	25.65	25.62	26.00	0.03
EDGE 1 Tx slot		27.66	27.65	27.64	28.50	18.66	18.65	18.64	19.50	0.02
EDGE 2 Tx slots		25.22	25.11	25.42	26.00	19.22	19.11	19.42	20.00	0.31
EDGE 3 Tx slots		22.45	22.46	22.37	23.00	18.19	18.20	18.11	18.74	0.09
EDGE 4 Tx slots		21.55	21.62	21.64	22.00	18.55	18.62	18.64	19.00	0.09

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		30.21	30.23	30.19	31.00	21.21	21.23	21.19	22.00	0.05
GPRS 1 Tx slot		30.22	30.24	30.20	31.00	21.22	21.24	21.20	22.00	
GPRS 2 Tx slots		29.32	29.37	29.35	30.00	23.32	23.37	23.35	24.00	0.05
GPRS 3 Tx slots		27.10	27.18	27.14	28.00	22.84	22.92	22.88	23.74	0.08
GPRS 4 Tx slots		25.64	25.66	25.58	26.00	22.64	22.66	22.58	23.00	0.08
EDGE 1 Tx slot		25.61	25.72	25.64	26.00	16.61	16.72	16.64	17.00	0.11
EDGE 2 Tx slots		24.71	24.86	24.68	25.50	18.71	18.86	18.68	19.50	0.18
EDGE 3 Tx slots		22.55	22.77	22.49	23.00	18.29	18.51	18.23	18.74	0.28
EDGE 4 Tx slots		21.43	21.52	21.48	22.00	18.43	18.52	18.48	19.00	0.09

Band		WCDMA Band II			Tune-up Limit (dBm)	WCDMA Band IV			Tune-up Limit (dBm)	WCDMA Band 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	RMC 12.2Kbps	23.42	23.51	23.44	24.00	23.51	23.56	23.44	24.00	23.26	23.33	23.27	24.00
3GPP Rel 6	HSDPA Subtest-1	22.21	22.35	22.60	23.00	22.53	22.69	22.59	23.00	22.60	22.21	22.67	23.00
3GPP Rel 6	HSDPA Subtest-2	22.32	22.42	22.58	23.00	22.58	22.81	22.68	23.00	22.63	22.30	22.62	23.00
3GPP Rel 6	HSDPA Subtest-3	21.87	21.93	22.14	22.50	22.12	22.30	22.14	23.00	22.12	21.72	22.18	23.00
3GPP Rel 6	HSDPA Subtest-4	21.85	21.88	22.20	22.50	22.08	22.20	22.18	23.00	22.11	21.72	22.12	23.00
3GPP Rel 6	HSUPA Subtest-1	21.70	21.76	21.99	22.50	21.97	22.11	22.05	23.00	22.12	22.03	22.64	23.00
3GPP Rel 6	HSUPA Subtest-2	22.21	22.31	22.50	23.00	22.47	22.67	22.48	23.00	22.52	22.48	22.67	23.00
3GPP Rel 6	HSUPA Subtest-3	21.34	21.38	21.57	22.00	21.50	21.74	21.59	22.50	21.61	21.61	21.72	22.50
3GPP Rel 6	HSUPA Subtest-4	22.17	22.33	22.46	23.00	22.37	22.59	22.53	23.00	22.52	22.51	21.63	23.00
3GPP Rel 6	HSUPA Subtest-5	21.21	21.38	21.59	22.00	21.55	21.68	21.58	22.50	21.54	21.64	21.68	22.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-	21.21	21.25	21.47	22.00	21.46	21.61	21.50	22.50	21.57	21.54	21.59	22.50

LTE Band 2									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)		
Channel				18700	18900	19100			
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	0	23.25	23.28	23.22	24		
20	QPSK	1	49	23.23	23.17	23.10			
20	QPSK	1	99	23.17	23.13	23.11			
20	QPSK	50	0	22.33	22.42	22.35			
20	QPSK	50	24	22.34	22.39	22.39	23		
20	QPSK	50	50	22.39	22.35	22.41			
20	QPSK	100	0	22.32	22.41	22.37			
20	16QAM	1	0	22.38	22.38	22.40			
20	16QAM	1	49	22.22	22.52	22.48	23		
20	16QAM	1	99	22.47	22.32	22.72			
20	16QAM	50	0	22.40	22.37	22.35			
20	16QAM	50	24	22.36	22.41	22.42			
20	16QAM	50	50	22.44	22.41	22.48	23		
20	16QAM	100	0	22.47	22.48	22.35			
20	64QAM	1	0	22.42	22.61	22.35			
20	64QAM	1	49	22.37	22.55	22.46			
20	64QAM	1	99	22.32	22.65	22.65	23		
20	64QAM	50	0	22.42	22.34	22.39			
20	64QAM	50	24	22.45	22.39	22.44			
20	64QAM	50	50	22.44	22.45	22.39			
20	64QAM	100	0	22.32	22.29	22.30	23		
Channel				18675	18900	19125		Tune-up limit (dBm)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	0	23.06	23.09	23.00	24		
15	QPSK	1	37	22.85	23.21	23.09			
15	QPSK	1	74	23.22	23.14	23.22			
15	QPSK	36	0	22.19	22.28	22.27			
15	QPSK	36	20	22.18	22.37	22.34	23		
15	QPSK	36	39	22.30	22.31	22.28			
15	QPSK	75	0	22.22	22.28	22.24			
15	16QAM	1	0	22.31	22.39	22.33			
15	16QAM	1	37	22.44	22.47	22.33	23		
15	16QAM	1	74	22.39	22.51	22.51			
15	16QAM	36	0	22.18	22.23	22.26			
15	16QAM	36	20	22.27	22.20	22.33			
15	16QAM	36	39	22.32	22.41	22.38	23		
15	16QAM	75	0	22.19	22.21	22.30			
15	64QAM	1	0	22.39	22.15	22.21			
15	64QAM	1	37	22.38	22.19	22.61			
15	64QAM	1	74	22.27	22.31	22.46	23		
15	64QAM	36	0	22.12	22.29	22.17			
15	64QAM	36	20	22.32	22.34	22.24			
15	64QAM	36	39	22.20	22.25	22.34			
15	64QAM	75	0	22.19	22.26	22.25	23		
Channel				18650	18900	19150		Tune-up limit (dBm)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	0	23.03	23.02	23.12	24		
10	QPSK	1	25	23.14	23.24	23.12			
10	QPSK	1	49	23.03	23.11	23.03			
10	QPSK	25	0	22.30	22.31	22.27			
10	QPSK	25	12	22.26	22.38	22.31	23		
10	QPSK	25	25	22.17	22.30	22.26			
10	QPSK	50	0	22.23	22.32	22.30			
10	16QAM	1	0	22.71	22.64	22.63			
10	16QAM	1	25	22.40	22.36	22.43	23		
10	16QAM	1	49	22.35	22.43	22.22			
10	16QAM	25	0	22.25	22.24	22.21			
10	16QAM	25	12	22.41	22.21	22.21			
10	16QAM	25	25	22.21	22.41	22.51	23		
10	16QAM	50	0	22.78	22.71	22.75			
10	64QAM	1	0	22.29	22.34	22.34			
10	64QAM	1	25	22.32	22.37	22.41			
10	64QAM	1	49	21.99	22.12	22.09	23		
10	64QAM	25	0	22.29	22.33	22.34			
10	64QAM	25	12	22.32	22.30	22.31			
10	64QAM	25	25	22.25	22.03	22.25			
10	64QAM	50	0	22.26	22.26	22.23	23		
Channel				18625	18900	19175		Tune-up limit (dBm)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	0	23.17	23.22	23.16	24		
5	QPSK	1	12	23.16	23.11	23.14			
5	QPSK	1	24	23.12	23.20	23.21			
5	QPSK	12	0	22.29	22.20	22.27			
5	QPSK	12	7	22.30	22.35	22.27	23		
5	QPSK	12	13	22.29	22.28	22.31			
5	QPSK	25	0	22.28	22.26	22.28			
5	16QAM	1	0	22.41	22.31	22.69			
5	16QAM	1	12	22.39	22.32	22.69	23		
5	16QAM	1	24	22.42	22.29	22.68			
5	16QAM	12	0	22.51	22.65	22.51			
5	16QAM	12	7	22.41	22.41	22.21			
5	16QAM	12	13	22.21	22.54	22.31	23		
5	16QAM	25	0	22.31	22.77	22.75			
5	64QAM	1	0	22.51	22.23	22.28			
5	64QAM	1	12	22.67	22.33	22.44			
5	64QAM	1	24	22.68	22.32	22.34	23		
5	64QAM	12	0	22.33	22.26	22.25			
5	64QAM	12	7	22.39	22.23	22.23			
5	64QAM	12	13	22.36	22.32	22.30			
5	64QAM	25	0	22.43	22.23	22.30	23		
Channel				18615	18900	19185		Tune-up limit (dBm)	
Frequency (MHz)				1851.5	1880	1908.5			
3	QPSK	1	0	23.11	23.18	23.10	24		
3	QPSK	1	8	23.21	23.24	23.07			
3	QPSK	1	14	23.22	23.09	23.09			
3	QPSK	8	0	22.17	22.12	22.14			
3	QPSK	8	4	22.23	22.17	22.18	23		
3	QPSK	8	7	22.23	22.17	22.13			
3	QPSK	15	0	22.15	22.23	22.16			
3	16QAM	1	0	22.31	22.22	22.16			
3	16QAM	1	8	22.35	22.29	22.25	23		
3	16QAM	1	14	22.28	22.25	22.13			
3	16QAM	8	0	22.71	22.84	22.76			
3	16QAM	8	4	22.78	22.75	22.81			
3	16QAM	8	7	22.68	22.73	22.76	23		

LTE Band 4							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	23.30	23.38	23.37	24
20	QPSK	1	49	23.16	23.24	23.23	
20	QPSK	1	99	23.08	23.21	23.33	
20	QPSK	50	0	22.37	22.50	22.47	
20	QPSK	50	24	22.37	22.45	22.45	23
20	QPSK	50	50	22.26	22.37	22.38	
20	QPSK	100	0	22.36	22.40	22.47	
20	16QAM	1	0	22.23	22.53	22.40	
20	16QAM	1	49	22.38	22.15	22.29	23
20	16QAM	1	99	22.17	22.39	22.23	
20	16QAM	50	0	22.36	22.29	22.43	
20	16QAM	50	24	22.62	22.73	22.62	
20	16QAM	50	50	22.58	22.59	22.59	23
20	16QAM	100	0	22.60	22.68	22.69	
20	64QAM	1	0	22.34	22.45	22.67	
20	64QAM	1	49	22.38	22.31	22.19	
20	64QAM	1	99	22.65	22.22	22.69	23
20	64QAM	50	0	22.35	22.44	22.39	
20	64QAM	50	24	22.37	22.48	22.42	
20	64QAM	50	50	22.41	22.36	22.38	
20	64QAM	100	0	22.44	22.42	22.51	
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	23.17	23.21	23.31	24
15	QPSK	1	37	23.21	23.30	23.22	
15	QPSK	1	74	23.08	23.30	23.33	
15	QPSK	36	0	22.31	22.38	22.41	
15	QPSK	36	20	22.35	22.48	22.44	23
15	QPSK	36	39	22.40	22.39	22.48	
15	QPSK	75	0	22.35	22.37	22.38	
15	16QAM	1	0	22.29	22.51	22.23	
15	16QAM	1	37	22.37	22.37	22.21	23
15	16QAM	1	74	22.23	22.53	22.32	
15	16QAM	36	0	22.24	22.26	22.45	
15	16QAM	36	20	22.19	22.26	22.32	
15	16QAM	36	39	22.15	22.24	22.30	23
15	16QAM	75	0	22.26	22.27	22.36	
15	64QAM	1	0	22.21	22.52	22.57	
15	64QAM	1	37	22.63	22.39	22.45	
15	64QAM	1	74	22.67	22.38	22.42	23
15	64QAM	36	0	22.32	22.39	22.43	
15	64QAM	36	20	22.38	22.40	22.42	
15	64QAM	36	39	22.41	22.37	22.39	
15	64QAM	75	0	22.34	22.45	22.38	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	23.09	23.28	23.11	24
10	QPSK	1	25	23.07	23.20	23.21	
10	QPSK	1	49	23.15	22.98	23.21	
10	QPSK	25	0	22.14	22.36	22.38	
10	QPSK	25	12	22.26	22.32	22.36	23
10	QPSK	25	25	22.15	22.26	22.33	
10	QPSK	50	0	22.21	22.31	22.23	
10	16QAM	1	0	22.20	22.35	22.11	
10	16QAM	1	25	22.47	22.21	22.53	23
10	16QAM	1	49	22.54	22.44	22.43	
10	16QAM	25	0	22.20	22.19	22.18	
10	16QAM	25	12	22.12	22.22	22.19	
10	16QAM	25	25	22.46	22.37	22.46	23
10	16QAM	50	0	22.40	22.44	22.56	
10	64QAM	1	0	22.26	22.34	22.24	
10	64QAM	1	25	22.33	22.62	22.71	
10	64QAM	1	49	22.31	22.35	22.30	23
10	64QAM	25	0	22.15	22.29	22.28	
10	64QAM	25	12	22.24	22.35	22.39	
10	64QAM	25	25	22.12	22.24	22.26	
10	64QAM	50	0	22.18	22.25	22.24	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	22.99	23.21	23.26	24
5	QPSK	1	12	23.05	23.20	23.17	
5	QPSK	1	24	23.00	23.12	23.11	
5	QPSK	12	0	22.22	22.22	22.26	
5	QPSK	12	7	22.22	22.33	22.30	23
5	QPSK	12	13	22.17	22.34	22.26	
5	QPSK	25	0	22.20	22.24	22.30	
5	16QAM	1	0	22.10	22.51	22.19	
5	16QAM	1	12	22.21	22.56	22.15	23
5	16QAM	1	24	22.15	22.50	22.10	
5	16QAM	12	0	22.14	22.08	22.11	
5	16QAM	12	7	22.17	22.21	22.19	
5	16QAM	12	13	22.44	22.51	22.55	23
5	16QAM	25	0	22.45	22.56	22.49	
5	64QAM	1	0	22.22	22.66	22.64	
5	64QAM	1	12	22.60	22.36	22.63	
5	64QAM	1	24	22.56	22.26	22.33	23
5	64QAM	12	0	22.23	22.30	22.32	
5	64QAM	12	7	22.22	22.31	22.37	
5	64QAM	12	13	22.23	22.29	22.28	
5	64QAM	25	0	22.18	22.32	22.23	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	23.11	23.12	23.24	24
3	QPSK	1	8	23.20	23.34	23.28	
3	QPSK	1	14	23.00	23.19	23.19	
3	QPSK	8	0	22.20	22.26	22.27	
3	QPSK	8	4	22.26	22.34	22.36	23
3	QPSK	8	7	22.22	22.32	22.32	
3	QPSK	15	0	22.22	22.28	22.22	
3	16QAM	1	0	22.30	22.39	22.43	
3	16QAM	1	8	22.52	22.52	22.26	23
3	16QAM	1	14	22.43	22.21	22.29	
3	16QAM	8	0	22.22	22.23	22.32	
3	16QAM	8	4	22.32	22.32	22.33	
3	16QAM	8	7	22.54	22.62	22.66	23

3	16QAM	15	0	22.71	22.75	22.70	23
3	64QAM	1	0	22.24	22.17	22.20	
3	64QAM	1	8	22.66	22.65	22.25	
3	64QAM	1	14	22.27	22.63	22.27	23
3	64QAM	8	0	22.19	22.21	22.05	
3	64QAM	8	4	22.29	22.19	22.19	
3	64QAM	8	7	22.39	22.28	22.14	
3	64QAM	15	0	22.24	22.24	22.22	
Channel				18607	18900	19193	Tune-up limit (rdRm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	23.17	23.20	23.15	24
1.4	QPSK	1	3	23.07	23.05	23.04	
1.4	QPSK	1	5	23.04	23.02	23.00	
1.4	QPSK	3	0	23.04	23.04	23.00	
1.4	QPSK	3	1	23.06	23.05	23.03	
1.4	QPSK	3	3	23.10	23.14	23.03	
1.4	QPSK	6	0	22.13	22.11	22.10	23
1.4	16QAM	1	0	22.16	22.16	22.10	23
1.4	16QAM	1	3	22.12	22.32	22.30	
1.4	16QAM	1	5	22.00	22.20	21.88	
1.4	16QAM	3	0	22.02	22.07	22.04	
1.4	16QAM	3	1	22.20	22.02	22.07	
1.4	16QAM	3	3	22.22	22.19	21.93	
1.4	16QAM	6	0	22.23	22.16	22.11	
1.4	64QAM	1	0	22.11	22.03	22.06	23
1.4	64QAM	1	3	22.13	22.34	22.22	
1.4	64QAM	1	5	22.11	22.46	22.05	
1.4	64QAM	3	0	22.14	22.20	22.21	
1.4	64QAM	3	1	22.23	22.20	22.41	
1.4	64QAM	3	3	22.15	22.29	22.06	
1.4	64QAM	6	0	22.20	22.23	22.12	23

3	16QAM	15	0	22.54	22.52	22.59	23
3	64QAM	1	0	22.21	22.30	22.28	
3	64QAM	1	8	22.40	22.28	22.44	
3	64QAM	1	14	22.21	22.28	22.11	23
3	64QAM	8	0	22.19	22.23	22.17	
3	64QAM	8	4	22.31	22.29	22.33	
3	64QAM	8	7	22.25	22.32	22.44	
3	64QAM	15	0	22.21	22.29	22.20	
Channel				19957	20175	20393	Tune-up limit (rdRm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	22.86	23.07	23.08	24
1.4	QPSK	1	3	23.20	23.20	23.24	
1.4	QPSK	1	5	23.06	23.15	23.17	
1.4	QPSK	3	0	23.14	23.11	23.10	
1.4	QPSK	3	1	23.10	23.20	23.25	
1.4	QPSK	3	3	23.09	23.16	23.15	
1.4	QPSK	6	0	22.25	22.27	22.23	23
1.4	16QAM	1	0	22.19	22.66	22.32	23
1.4	16QAM	1	3	22.32	22.40	22.44	
1.4	16QAM	1	5	22.38	22.54	22.34	
1.4	16QAM	3	0	22.41	22.45	22.36	
1.4	16QAM	3	1	22.42	22.45	22.47	
1.4	16QAM	3	3	22.41	22.53	22.42	
1.4	16QAM	6	0	22.32	22.33	22.24	
1.4	64QAM	1	0	22.10	22.04	22.18	23
1.4	64QAM	1	3	22.36	22.34	22.46	
1.4	64QAM	1	5	22.27	22.23	22.07	
1.4	64QAM	3	0	22.18	22.16	22.35	
1.4	64QAM	3	1	22.09	22.24	22.21	
1.4	64QAM	3	3	22.15	22.32	22.20	
1.4	64QAM	6	0	22.14	22.15	22.22	23

LTE Band 5							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20450	20525	20600	24
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	23.53	23.54	23.46	24
10	QPSK	1	25	23.39	23.42	23.22	
10	QPSK	1	49	23.31	23.43	23.11	
10	QPSK	25	0	22.63	22.65	22.46	23
10	QPSK	25	12	22.39	22.41	22.46	
10	QPSK	25	25	22.39	22.50	22.55	
10	QPSK	50	0	22.45	22.33	22.47	23
10	16QAM	1	0	22.49	22.68	22.39	
10	16QAM	1	25	22.51	22.54	22.22	
10	16QAM	1	49	22.34	22.40	22.47	23
10	16QAM	25	0	22.43	22.44	22.26	
10	16QAM	25	12	22.37	22.45	22.23	
10	16QAM	25	25	22.40	22.33	22.36	23
10	16QAM	50	0	22.41	22.32	22.22	
10	64QAM	1	0	22.37	22.47	22.35	
10	64QAM	1	25	22.34	22.54	22.34	23
10	64QAM	1	49	22.23	22.45	22.36	
10	64QAM	25	0	22.34	22.45	22.12	
10	64QAM	25	12	22.33	22.50	22.21	23
10	64QAM	25	25	22.45	22.34	22.04	
10	64QAM	50	0	22.41	22.37	22.23	
Channel				20425	20525	20625	24
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	23.48	23.44	23.42	24
5	QPSK	1	12	23.38	23.49	23.33	
5	QPSK	1	24	23.38	23.33	23.33	
5	QPSK	12	0	22.33	22.38	22.24	23
5	QPSK	12	7	22.40	22.41	22.33	
5	QPSK	12	13	22.45	22.29	22.24	
5	QPSK	25	0	22.36	22.32	22.24	23
5	16QAM	1	0	22.65	22.58	22.34	
5	16QAM	1	12	22.35	22.57	22.33	
5	16QAM	1	24	22.22	22.57	22.40	23
5	16QAM	12	0	22.31	22.40	22.39	
5	16QAM	12	7	22.38	22.41	22.23	
5	16QAM	12	13	22.38	22.29	22.34	23
5	16QAM	25	0	22.39	22.44	22.39	
5	64QAM	1	0	22.46	22.34	22.45	
5	64QAM	1	12	22.34	22.28	22.42	23
5	64QAM	1	24	22.48	22.32	22.26	
5	64QAM	12	0	22.20	22.34	22.14	
5	64QAM	12	7	22.24	22.40	22.18	23
5	64QAM	12	13	22.42	22.37	21.94	
5	64QAM	25	0	22.30	22.37	21.98	
Channel				20415	20525	20635	24
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	23.17	23.48	23.33	24
3	QPSK	1	8	23.43	23.44	23.35	
3	QPSK	1	14	23.44	23.42	23.16	
3	QPSK	8	0	22.47	22.60	22.58	23
3	QPSK	8	4	22.61	22.67	22.64	
3	QPSK	8	7	22.56	22.58	22.45	
3	QPSK	15	0	22.54	22.60	22.59	23
3	16QAM	1	0	22.56	22.67	22.74	
3	16QAM	1	8	22.49	22.75	22.59	
3	16QAM	1	14	22.54	22.80	22.55	23
3	16QAM	8	0	22.50	22.59	22.33	
3	16QAM	8	4	22.66	22.77	22.34	
3	16QAM	8	7	22.58	22.64	22.38	23
3	16QAM	15	0	22.52	22.54	22.09	
3	64QAM	1	0	22.47	22.35	22.56	
3	64QAM	1	8	22.35	22.59	22.35	23
3	64QAM	1	14	22.37	22.55	22.36	
3	64QAM	8	0	22.47	22.57	22.55	
3	64QAM	8	4	22.69	22.53	22.47	23
3	64QAM	8	7	22.64	22.56	22.53	
3	64QAM	15	0	22.53	22.63	22.43	
Channel				20407	20525	20643	24
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	23.38	23.45	23.49	24
1.4	QPSK	1	3	23.51	23.44	23.51	
1.4	QPSK	1	5	23.40	23.34	23.35	
1.4	QPSK	3	0	23.41	23.47	23.43	23
1.4	QPSK	3	1	23.47	23.34	23.44	
1.4	QPSK	3	3	23.48	23.40	23.40	
1.4	QPSK	6	0	22.52	22.51	22.50	23
1.4	16QAM	1	0	22.65	22.46	22.63	
1.4	16QAM	1	3	22.45	22.69	22.58	
1.4	16QAM	1	5	22.84	22.52	22.58	23
1.4	16QAM	3	0	22.37	22.35	22.49	
1.4	16QAM	3	1	22.40	22.67	22.53	
1.4	16QAM	3	3	22.48	22.59	22.47	23
1.4	16QAM	6	0	22.67	22.54	22.58	
1.4	64QAM	1	0	22.20	22.37	22.39	
1.4	64QAM	1	3	22.51	22.52	22.47	23
1.4	64QAM	1	5	22.46	22.45	22.33	
1.4	64QAM	3	0	22.12	22.39	22.40	
1.4	64QAM	3	1	22.40	22.34	22.35	23
1.4	64QAM	3	3	22.30	22.47	22.51	
1.4	64QAM	6	0	22.51	22.63	22.52	

LTE Band 7							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20850	21100	21350	24
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	23.64	23.66	23.62	24
20	QPSK	1	49	23.51	23.44	23.53	
20	QPSK	1	99	23.35	23.39	23.45	
20	QPSK	50	0	22.33	22.40	22.37	23
20	QPSK	50	24	22.09	22.06	21.96	
20	QPSK	50	50	22.19	22.22	22.19	
20	QPSK	100	0	22.14	22.16	22.13	23
20	16QAM	1	0	22.07	22.17	22.35	
20	16QAM	1	49	22.22	22.08	22.36	
20	16QAM	1	99	22.16	22.47	22.12	23
20	16QAM	50	0	22.01	22.11	22.04	
20	16QAM	50	24	22.06	21.98	22.09	
20	16QAM	50	50	22.14	22.19	22.02	23
20	16QAM	100	0	21.90	22.02	22.00	
20	64QAM	1	0	22.38	22.22	21.95	
20	64QAM	1	49	22.32	22.29	22.34	23
20	64QAM	1	99	22.30	22.35	22.26	
20	64QAM	50	0	22.04	22.05	22.10	
20	64QAM	50	24	22.09	22.10	22.10	23
20	64QAM	50	50	22.13	22.20	22.05	
20	64QAM	100	0	22.06	22.03	22.15	
Channel				20825	21100	21375	24
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	22.98	23.07	23.07	24
15	QPSK	1	37	23.08	23.05	23.09	
15	QPSK	1	74	23.02	23.09	23.09	
15	QPSK	36	0	22.12	22.21	22.23	23
15	QPSK	36	20	22.20	22.27	22.22	
15	QPSK	36	39	22.23	22.26	22.30	
15	QPSK	75	0	22.29	22.22	22.24	23
15	16QAM	1	0	22.45	22.56	22.63	
15	16QAM	1	37	22.27	22.38	22.36	
15	16QAM	1	74	22.31	22.31	22.53	23
15	16QAM	36	0	22.02	22.13	22.15	
15	16QAM	36	20	22.09	22.12	22.11	
15	16QAM	36	39	22.15	22.13	22.02	23
15	16QAM	75	0	21.98	22.06	21.98	
15	64QAM	1	0	22.28	22.25	22.13	
15	64QAM	1	37	22.18	22.33	22.42	23
15	64QAM	1	74	22.17	22.29	22.35	
15	64QAM	36	0	22.02	22.10	22.09	
15	64QAM	36	20	22.13	22.12	22.19	23
15	64QAM	36	39	22.17	22.08	22.10	
15	64QAM	75	0	22.02	22.12	22.07	
Channel				20800	21100	21400	24
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	22.97	22.84	22.87	24
10	QPSK	1	25	23.00	22.90	22.92	
10	QPSK	1	49	22.93	22.90	22.92	
10	QPSK	25	0	22.04	22.04	22.03	23
10	QPSK	25	12	22.00	22.12	22.17	
10	QPSK	25	25	21.93	22.11	22.11	
10	QPSK	50	0	22.02	22.14	22.13	23
10	16QAM	1	0	22.07	22.25	22.10	
10	16QAM	1	25	22.06	22.08	22.13	
10	16QAM	1	49	22.53	22.43	22.34	23
10	16QAM	25	0	22.08	21.96	22.04	
10	16QAM	25	12	21.90	22.07	22.00	
10	16QAM	25	25	21.95	21.98	21.90	23
10	16QAM	50	0	21.98	22.07	21.92	
10	64QAM	1	0	22.40	22.36	22.34	
10	64QAM	1	25	22.09	22.34	22.17	23
10	64QAM	1	49	22.20	22.44	22.25	

LTE Band 12							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23060	23095	23130	24
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	23.40	23.56	23.45	24
10	QPSK	1	25	23.26	23.39	23.42	
10	QPSK	1	49	23.36	23.37	23.36	
10	QPSK	25	0	22.65	22.75	22.66	
10	QPSK	25	12	22.62	22.56	22.35	23
10	QPSK	25	25	22.67	22.73	22.66	
10	QPSK	50	0	22.68	22.70	22.61	
10	16QAM	1	0	22.61	22.16	22.29	
10	16QAM	1	25	22.36	22.31	22.45	23
10	16QAM	1	49	22.45	22.50	22.39	
10	16QAM	25	0	22.34	22.36	22.30	
10	16QAM	25	12	22.38	22.42	22.31	
10	16QAM	25	25	22.43	22.44	22.38	23
10	16QAM	50	0	22.33	22.41	22.46	
10	64QAM	1	0	22.18	22.30	22.64	
10	64QAM	1	25	22.62	22.68	22.27	
10	64QAM	1	49	22.64	22.32	22.25	23
10	64QAM	25	0	22.15	22.09	22.06	
10	64QAM	25	12	22.20	22.23	22.15	
10	64QAM	25	25	22.25	22.22	22.22	
10	64QAM	50	0	22.17	22.10	22.21	23
Channel				23035	23095	23155	
Frequency (MHz)				701.5	707.5	713.5	24
5	QPSK	1	0	23.15	23.48	23.26	
5	QPSK	1	12	23.31	23.47	23.31	23
5	QPSK	1	24	23.27	23.46	23.32	
5	QPSK	12	0	22.38	22.45	22.44	
5	QPSK	12	7	22.49	22.51	22.48	
5	QPSK	12	13	22.44	22.47	22.44	23
5	QPSK	25	0	22.40	22.52	22.48	
5	16QAM	1	0	22.41	22.43	22.45	
5	16QAM	1	12	22.58	22.53	22.54	
5	16QAM	1	24	22.54	22.52	22.48	23
5	16QAM	12	0	22.28	22.25	22.28	
5	16QAM	12	7	22.42	22.47	22.31	
5	16QAM	12	13	22.37	22.34	22.39	
5	16QAM	25	0	22.38	22.34	22.36	23
5	64QAM	1	0	22.16	22.17	22.22	
5	64QAM	1	12	22.61	22.31	22.24	
5	64QAM	1	24	22.59	22.28	22.33	
5	64QAM	12	0	22.13	22.15	22.10	23
5	64QAM	12	7	22.23	22.11	22.17	
5	64QAM	12	13	22.10	22.20	22.25	
5	64QAM	25	0	22.25	22.21	22.18	
Channel				23025	23095	23165	24
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	23.23	23.50	23.17	23
3	QPSK	1	8	23.41	23.40	23.30	
3	QPSK	1	14	23.35	23.46	23.41	
3	QPSK	8	0	22.46	22.44	22.44	
3	QPSK	8	4	22.49	22.52	22.53	23
3	QPSK	8	7	22.44	22.52	22.46	
3	QPSK	15	0	22.43	22.51	22.37	
3	16QAM	1	0	22.44	22.80	22.39	
3	16QAM	1	8	22.64	22.62	22.57	23
3	16QAM	1	14	22.47	22.52	22.38	
3	16QAM	8	0	22.44	22.33	22.36	
3	16QAM	8	4	22.49	22.46	22.57	
3	16QAM	8	7	22.33	22.36	22.42	23
3	16QAM	15	0	22.31	22.24	22.23	
3	64QAM	1	0	22.17	22.51	22.50	
3	64QAM	1	8	22.46	22.36	22.37	
3	64QAM	1	14	22.39	22.24	22.35	23
3	64QAM	8	0	22.06	22.14	22.05	
3	64QAM	8	4	22.15	22.19	22.18	
3	64QAM	8	7	22.14	22.06	22.21	
3	64QAM	15	0	22.13	22.15	22.07	23
Channel				23017	23095	23173	
Frequency (MHz)				699.7	707.5	715.3	24
1.4	QPSK	1	0	23.26	23.43	23.23	
1.4	QPSK	1	3	23.37	23.36	23.38	23
1.4	QPSK	1	5	23.26	23.31	23.27	
1.4	QPSK	3	0	23.21	23.34	23.32	
1.4	QPSK	3	1	23.42	23.42	23.09	23
1.4	QPSK	3	3	23.37	23.39	23.35	
1.4	QPSK	6	0	22.43	22.40	22.38	
1.4	16QAM	1	0	22.47	22.41	22.26	
1.4	16QAM	1	3	22.28	22.71	22.38	23
1.4	16QAM	1	5	22.40	22.41	22.40	
1.4	16QAM	3	0	22.24	22.27	22.28	
1.4	16QAM	3	1	22.40	22.48	22.32	
1.4	16QAM	3	3	22.23	22.37	22.37	23
1.4	16QAM	6	0	22.16	22.36	22.26	
1.4	64QAM	1	0	22.01	22.16	22.00	
1.4	64QAM	1	3	22.13	22.06	22.11	
1.4	64QAM	1	5	22.29	22.32	22.28	23
1.4	64QAM	3	0	22.19	22.20	22.03	
1.4	64QAM	3	1	22.17	22.41	22.26	
1.4	64QAM	3	3	22.19	22.03	22.19	
1.4	64QAM	6	0	22.15	22.16	22.03	23

LTE Band 13							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23230			
Frequency (MHz)				782			
10	QPSK	1	0		23.55		24
10	QPSK	1	25		23.47		
10	QPSK	1	49		23.52		
10	QPSK	25	0		22.64		
10	QPSK	25	12		22.45		23
10	QPSK	25	25		22.39		
10	QPSK	50	0		22.42		
10	16QAM	1	0		22.54		
10	16QAM	1	25		22.46		23
10	16QAM	1	49		22.76		
10	16QAM	25	0		22.57		
10	16QAM	25	12		22.52		
10	16QAM	25	25		22.65		23
10	16QAM	50	0		22.42		
10	64QAM	1	0		22.72		
10	64QAM	1	25		22.54		
10	64QAM	1	49		22.51		23
10	64QAM	25	0		22.44		
10	64QAM	25	12		22.37		
10	64QAM	25	25		22.43		
10	64QAM	50	0		22.50		23
Channel				23205	23230	23255	
Frequency (MHz)				779.5	782	784.5	Tune-up limit (dBm)
5	QPSK	1	0	23.44	23.47	23.45	24
5	QPSK	1	12	23.44	23.46	23.42	
5	QPSK	1	24	23.43	23.41	23.34	
5	QPSK	12	0	22.35	22.43	22.52	
5	QPSK	12	7	22.42	22.41	22.50	23
5	QPSK	12	13	22.34	22.50	22.48	
5	QPSK	25	0	22.41	22.38	22.48	
5	16QAM	1	0	22.06	22.42	22.21	
5	16QAM	1	12	22.12	22.27	22.15	23
5	16QAM	1	24	22.22	22.04	22.05	
5	16QAM	12	0	22.65	22.62	22.55	
5	16QAM	12	7	22.66	22.55	22.67	
5	16QAM	12	13	22.63	22.62	22.66	23
5	16QAM	25	0	22.42	22.46	22.48	
5	64QAM	1	0	22.68	22.66	22.58	
5	64QAM	1	12	22.64	22.54	22.67	
5	64QAM	1	24	22.65	22.64	22.64	23
5	64QAM	12	0	22.47	22.53	22.60	
5	64QAM	12	7	22.64	22.43	22.53	
5	64QAM	12	13	22.43	22.54	22.44	
5	64QAM	25	0	22.34	22.45	22.45	

LTE Band 17							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	23.44	23.47	23.44	24
10	QPSK	1	25	23.32	23.28	23.34	
10	QPSK	1	49	23.25	23.28	23.23	
10	QPSK	25	0	22.55	22.61	22.53	
10	QPSK	25	12	22.40	22.34	22.48	23
10	QPSK	25	25	22.38	22.38	22.47	
10	QPSK	50	0	22.51	22.38	22.39	
10	16QAM	1	0	22.24	22.43	22.57	
10	16QAM	1	25	22.45	22.74	22.58	23
10	16QAM	1	49	22.41	22.66	22.71	
10	16QAM	25	0	22.35	22.59	22.58	
10	16QAM	25	12	22.41	22.56	22.54	
10	16QAM	25	25	22.24	22.50	22.55	23
10	16QAM	50	0	22.28	22.57	22.54	
10	64QAM	1	0	22.25	22.58	22.26	
10	64QAM	1	25	22.48	22.38	22.28	
10	64QAM	1	49	22.22	22.25	22.25	23
10	64QAM	25	0	22.40	22.57	22.55	
10	64QAM	25	12	22.32	22.40	22.57	
10	64QAM	25	25	22.26	22.47	22.63	
10	64QAM	50	0	22.33	22.56	22.57	Tune-up limit (dBm)
Channel				23755	23790	23825	
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.38	23.34	23.30	24
5	QPSK	1	12	23.37	23.33	23.32	
5	QPSK	1	24	23.29	23.35	23.34	
5	QPSK	12	0	22.45	22.63	22.52	
5	QPSK	12	7	22.57	22.66	22.22	23
5	QPSK	12	13	22.36	22.24	22.30	
5	QPSK	25	0	22.36	22.16	22.29	
5	16QAM	1	0	22.47	22.52	22.24	
5	16QAM	1	12	22.64	22.20	22.57	23
5	16QAM	1	24	22.48	22.53	22.69	
5	16QAM	12	0	22.36	22.39	22.60	
5	16QAM	12	7	22.36	22.43	22.55	
5	16QAM	12	13	22.27	22.52	22.55	23
5	16QAM	25	0	22.37	22.49	22.53	
5	64QAM	1	0	22.17	22.18	22.18	
5	64QAM	1	12	22.21	22.18	22.26	
5	64QAM	1	24	22.26	22.26	22.18	23
5	64QAM	12	0	22.32	22.37	22.61	
5	64QAM	12	7	22.45	22.53	22.47	
5	64QAM	12	13	22.30	22.48	22.50	
5	64QAM	25	0	22.27	22.46	22.62	

LTE Band 38							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.36	23.38	23.31	
20	QPSK	1	49	23.31	23.31	23.32	24
20	QPSK	1	99	23.32	23.27	23.37	
20	QPSK	50	0	22.47	22.48	22.46	
20	QPSK	50	24	22.32	22.25	22.22	23
20	QPSK	50	50	22.46	22.26	22.25	
20	QPSK	100	0	22.25	22.32	22.26	
20	16QAM	1	0	22.42	22.25	22.32	23
20	16QAM	1	49	22.30	22.25	22.20	
20	16QAM	1	99	22.22	22.32	22.30	
20	16QAM	50	0	22.32	22.25	22.55	23
20	16QAM	50	24	22.53	22.22	22.32	
20	16QAM	50	50	22.59	22.68	22.29	
20	16QAM	100	0	22.52	22.67	22.36	23
20	64QAM	1	0	22.27	22.47	22.30	
20	64QAM	1	49	22.39	22.29	22.58	
20	64QAM	1	99	22.34	22.25	22.34	23
20	64QAM	50	0	22.31	22.28	22.23	
20	64QAM	50	24	22.47	22.35	22.32	
20	64QAM	50	50	22.46	22.49	22.38	
20	64QAM	100	0	22.56	22.52	22.20	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.08	23.28	23.15	
15	QPSK	1	37	23.26	23.32	23.15	24
15	QPSK	1	74	23.24	23.25	23.08	
15	QPSK	36	0	22.42	22.27	22.47	
15	QPSK	36	20	22.47	22.23	22.43	23
15	QPSK	36	39	22.50	22.22	22.46	
15	QPSK	75	0	22.52	22.25	22.49	
15	16QAM	1	0	22.33	22.62	22.27	23
15	16QAM	1	37	22.50	22.19	22.33	
15	16QAM	1	74	22.42	22.26	22.17	
15	16QAM	36	0	22.49	22.16	22.36	23
15	16QAM	36	20	22.43	22.12	22.32	
15	16QAM	36	39	22.56	22.66	22.36	
15	16QAM	75	0	22.57	22.14	22.36	23
15	64QAM	1	0	22.28	22.52	22.16	
15	64QAM	1	37	22.42	22.66	22.29	
15	64QAM	1	74	22.35	22.45	22.63	23
15	64QAM	36	0	22.41	22.23	22.37	
15	64QAM	36	20	22.52	22.67	22.30	
15	64QAM	36	39	22.51	22.64	22.36	
15	64QAM	75	0	22.52	22.64	22.40	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.17	23.25	23.13	
10	QPSK	1	25	23.22	23.12	23.08	24
10	QPSK	1	49	23.09	23.32	23.32	
10	QPSK	25	0	22.47	22.35	22.31	
10	QPSK	25	12	22.46	22.24	22.31	23
10	QPSK	25	25	22.55	22.19	22.35	
10	QPSK	50	0	22.59	22.27	22.33	
10	16QAM	1	0	21.94	22.09	22.34	23
10	16QAM	1	25	22.03	22.24	22.17	
10	16QAM	1	49	21.99	22.16	22.30	
10	16QAM	25	0	22.02	22.30	22.48	23
10	16QAM	25	12	21.99	22.16	22.42	
10	16QAM	25	25	22.06	22.28	22.55	
10	16QAM	50	0	22.02	22.26	22.44	23
10	64QAM	1	0	22.37	21.97	22.31	
10	64QAM	1	25	22.49	22.14	22.36	
10	64QAM	1	49	22.38	22.01	22.27	23
10	64QAM	25	0	22.52	22.22	22.40	
10	64QAM	25	12	22.49	22.11	22.40	
10	64QAM	25	25	22.53	22.20	22.37	
10	64QAM	50	0	22.50	22.25	22.46	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.02	23.25	23.22	
5	QPSK	1	12	23.17	23.12	23.25	24
5	QPSK	1	24	23.08	23.22	22.95	
5	QPSK	12	0	22.40	22.44	22.53	
5	QPSK	12	7	22.53	22.29	22.59	23
5	QPSK	12	13	22.53	22.51	22.65	
5	QPSK	25	0	22.54	22.52	22.67	
5	16QAM	1	0	22.37	22.53	22.22	23
5	16QAM	1	12	22.54	22.70	22.38	
5	16QAM	1	24	22.40	22.51	22.23	
5	16QAM	12	0	22.17	22.17	22.35	23
5	16QAM	12	7	22.12	22.27	22.46	
5	16QAM	12	13	22.25	22.17	22.39	
5	16QAM	25	0	22.13	22.25	22.46	23
5	64QAM	1	0	22.44	22.49	22.24	
5	64QAM	1	12	22.65	22.62	22.33	
5	64QAM	1	24	22.50	22.55	22.19	23
5	64QAM	12	0	22.68	22.15	22.27	
5	64QAM	12	7	22.16	22.23	22.45	
5	64QAM	12	13	22.15	22.02	22.33	
5	64QAM	25	0	22.15	22.08	22.42	
5	64QAM	25	0	22.15	22.08	22.42	

2.4GHz WLAN

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	CH 1	2412	18.75	19.50	21.00	99.53
		CH 7	2442	18.65	19.00	21.00	
		CH 13	2472	18.45	19.00	21.00	
	802.11g 6Mbps	CH 1	2412	16.57	17.00	19.00	97.22
		CH 7	2442	16.43	17.00	19.00	
		CH 13	2472	17.46	18.00	19.00	
	802.11n-HT20 MCS0	CH 1	2412	15.45	16.00	18.00	96.30
		CH 7	2442	15.39	16.00	18.00	
		CH 13	2472	15.03	16.00	18.00	
	802.11n-HT40 MCS0	CH 1	2412	15.56	16.00	18.00	94.20
		CH 7	2442	15.37	16.00	18.00	
		CH 13	2472	15.22	16.00	18.00	

5.2GHz WLAN

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	CH 36	5180	15.01	15.50	16.00	96.53
		CH 44	5220	15.35	16.00	16.00	
		CH 48	5240	15.62	16.00	16.00	
	802.11n-HT20 MCS0	CH 36	5180	14.77	15.00	16.00	97.01
		CH 44	5220	15.14	15.50	16.00	
		CH 48	5240	15.31	16.00	16.00	
	802.11n-HT40 MCS0	CH 38	5190	14.64	15.00	16.00	94.20
		CH 46	5230	14.87	15.50	16.00	
	802.11ac-VHT20 MCS0	CH 36	5180	11.82	12.50	16.00	97.06
		CH 44	5220	12.07	13.00	13.00	
		CH 48	5240	12.10	13.00	13.00	
	802.11ac-VHT40 MCS0	CH 38	5190	11.48	12.00	13.00	92.86
		CH 46	5230	11.75	12.50	13.00	
	802.11ac-VHT80 MCS0	CH 42	5210	11.36	12.00	13.00	86.49

5.8GHz WLAN

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	CH 149	5745	15.51	16.00	16.00	96.53
		CH 157	5785	15.47	16.00	16.00	
		CH 165	5825	15.40	16.00	16.00	
	802.11n-HT20 MCS0	CH 149	5745	15.15	16.00	16.00	97.01
		CH 157	5785	14.89	15.50	16.00	
		CH 165	5825	14.91	15.50	16.00	
	802.11n-HT40 MCS0	CH 151	5755	14.73	15.00	16.00	94.20
		CH 159	5795	14.50	15.00	16.00	
	802.11ac-VHT20 MCS0	CH 149	5745	11.92	12.50	13.00	97.06
		CH 157	5785	11.70	12.50	13.00	
		CH 165	5825	11.64	12.50	13.00	
	802.11ac-VHT40 MCS0	CH 151	5755	11.62	12.50	13.00	92.86
		CH 159	5795	11.46	12.00	13.00	
	802.11ac-VHT80 MCS0	CH 155	5775	11.18	12.00	13.00	86.49

Bluetooth

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	8.28	4.54	4.93
	CH 39	2441	7.39	4.47	3.93
	CH 78	2480	7.41	5.93	6.06
Tune-up Limit			9.00	6.50	7.00
Duty Cycle %			77.8	77.33	77.33

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
LE	CH 00	2402	-5.67	-8.15	N/A
	CH 19	2440	-5.78	-8.22	N/A
	CH 39	2480	-6.90	-9.47	N/A
Tune-up Limit			-5.00	-9.00	N/A
Duty Cycle %			60.32	32.26	N/A

CA_5B											
Combination:10MHz+10MHz(50RB+50RB)											
PCC Channel	PCC Channel (3GPP)	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level(dB)	Measured Power(dBm)	Tune-up limit(dBm)
				RB Size	RB Offset	RB Size	RB Offset				
20450	20450	20549	QPSK	1	0	0	0	1	0	18.46	19
20525	20476	20575	QPSK	1	0	0	0	1	0	18.57	19
20600	20501	20600	QPSK	1	0	0	0	1	0	18.39	19
20450	20450	20549	16QAM	1	0	0	0	1	0	17.16	18
20525	20476	20575	16QAM	1	0	0	0	1	0	17.22	18
20600	20501	20600	16QAM	1	0	0	0	1	0	16.86	18
20450	20450	20549	64QAM	1	0	0	0	1	0	17.38	18
20525	20476	20575	64QAM	1	0	0	0	1	0	16.92	18
20600	20501	20600	64QAM	1	0	0	0	1	0	17.42	18
20450	20450	20549	QPSK	50	0	0	0	1	0	16.72	18
20525	20476	20575	QPSK	50	0	0	0	1	0	17.11	18
20600	20501	20600	QPSK	50	0	0	0	1	0	16.99	18

CA_7C											
Combination:20MHz+20MHz(100RB+100RB)											
PCC Channel	PCC Channel (3GPP)	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level(dB)	Measured Power(dBm)	Tune-up limit(dBm)
				RB Size	RB Offset	RB Size	RB Offset				
20850	20850	21048	QPSK	1	0	0	0	1	0	18.64	19
21100	21001	21199	QPSK	1	0	0	0	1	0	18.66	19
21350	21152	21350	QPSK	1	0	0	0	1	0	18.52	19
20850	20850	21048	16QAM	1	0	0	0	1	0	17.19	18
21100	21001	21199	16QAM	1	0	0	0	1	0	17.21	18
21350	21152	21350	16QAM	1	0	0	0	1	0	17.16	18
20850	20850	21048	64QAM	1	0	0	0	1	0	17.21	18
21100	21001	21199	64QAM	1	0	0	0	1	0	17.16	18
21350	21152	21350	64QAM	1	0	0	0	1	0	17.11	18
20850	20850	21048	QPSK	50	0	0	0	1	0	17.13	18
21100	21001	21199	QPSK	50	0	0	0	1	0	17.22	18
21350	21152	21350	QPSK	50	0	0	0	1	0	17.15	18

CA_38C											
Combination:20MHz+20MHz(100RB+100RB)											
PCC Channel	PCC Channel (3GPP)	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level(dB)	Measured Power(dBm)	Tune-up limit(dBm)
				RB Size	RB Offset	RB Size	RB Offset				
37850	37850	38048	QPSK	1	0	0	0	1	0	19.21	20
38000	37901	38099	QPSK	1	0	0	0	1	0	19.36	20
38150	37952	38150	QPSK	1	0	0	0	1	0	19.28	20
37850	37850	38048	16QAM	1	0	0	0	1	0	18.24	19
38000	37901	38099	16QAM	1	0	0	0	1	0	18.35	19
38150	37952	38150	16QAM	1	0	0	0	1	0	18.11	19
37850	37850	38048	64QAM	1	0	0	0	1	0	18.12	19
38000	37901	38099	64QAM	1	0	0	0	1	0	17.92	19
38150	37952	38150	64QAM	1	0	0	0	1	0	17.99	19
37850	37850	38048	QPSK	50	0	0	0	1	0	17.26	18
38000	37901	38099	QPSK	50	0	0	0	1	0	17.13	18
38150	37952	38150	QPSK	50	0	0	0	1	0	17.18	18