Annex E Conducted Full Power

Conducted Power

Project No.:	SZ21070268	Applicant:		BLU		Model Name:		G51		
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		32.13	32.14	32.22	33.00	23.13	23.14	23.22	24.00	0.09
GPRS 1 Tx slot		32.13	32.15	32.20	33.00	23.13	23.15	23.20	24.00	
GPRS 2 Tx slots		30.23	30.26	30.22	31.00	24.23	24.26	24.22	25.00	0.04
GPRS 3 Tx slots		28.19	28.17	28.17	29.00	23.93	23.91	23.91	24.74	0.02
GPRS 4 Tx slots		25.64	25.66	25.64	26.00	22.64	22.66	22.64	23.00	0.02
EDGE 1 Tx slot		26.12	26.16	26.11	27.00	17.12	17.16	17.11	18.00	0.05
EDGE 2 Tx slots		25.42	25.37	25.49	26.00	19.42	19.37	19.49	20.00	0.12
EDGE 3 Tx slots		23.51	23.42	23.21	24.00	19.25	19.16	18.95	19.74	0.30
EDGE 4 Tx slots		21.31	21.22	21.26	22.00	18.31	18.22	18.26	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	29.19	29.21	29.14	30.00	20.19	20.21	20.14	21.00	0.08
GPRS 1 Tx slot	29.20	29.22	29.14	30.00	20.20	20.22	20.14	21.00	
GPRS 2 Tx slots	26.91	26.81	26.63	27.50	20.91	20.81	20.63	21.50	0.28
GPRS 3 Tx slots	25.32	25.36	25.24	26.00	21.06	21.10	20.98	21.74	0.12
GPRS 4 Tx slots	23.18	23.14	23.16	24.00	20.18	20.14	20.16	21.00	0.04
EDGE 1 Tx slot	24.62	24.63	24.57	25.00	15.62	15.63	15.57	16.00	0.06
EDGE 2 Tx slots	23.62	23.51	23.42	24.00	17.62	17.51	17.42	18.00	0.20
EDGE 3 Tx slots	22.62	22.47	22.52	23.00	18.36	18.21	18.26	18.74	0.15
EDGE 4 Tx slots	20.25	20.26	20.32	21.00	17.25	17.26	17.32	18.00	0.07

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	22.21	22.24	22.15	23.00	22.21	22.34	22.23	23.00	22.42	22.45	22.31	23.00
3GPP Rel 6	HSDPA Subtest-1	22.11	22.03	21.95	23.00	21.18	21.23	21.23	22.00	22.06	22.19	22.12	23.00
3GPP Rel 6	HSDPA Subtest-2	22.14	22.08	21.99	23.00	21.72	21.77	21.74	22.50	21.82	21.94	21.88	22.50
3GPP Rel 6	HSDPA Subtest-3	22.20	22.12	22.11	23.00	21.69	21.75	21.71	22.50	21.63	21.65	21.61	22.50
3GPP Rel 6	HSDPA Subtest-4	21.98	22.21	22.21	23.00	21.74	21.78	21.74	22.50	21.42	21.54	21.49	22.50
3GPP Rel 6	HSUPA Subtest-1	22.07	22.14	22.11	23.00	22.29	22.26	22.23	23.00	22.23	22.22	22.17	23.00
3GPP Rel 6	HSUPA Subtest-2	22.03	22.12	22.04	23.00	22.24	22.19	22.20	23.00	22.16	22.17	22.10	23.00
3GPP Rel 6	HSUPA Subtest-3	22.00	22.07	21.99	23.00	22.23	22.22	22.18	23.00	22.19	22.18	22.08	23.00
3GPP Rel 6	HSUPA Subtest-4	22.05	22.15	22.13	23.00	22.26	22.19	22.21	23.00	22.16	22.15	22.04	23.00
3GPP Rel 6	HSUPA Subtest-5	22.02	22.10	22.06	23.00	22.25	22.22	22.20	23.00	22.19	22.18	22.06	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-	22.02	22.08	22.04	23.00	22.21	22.24	22.15	23.00	22.20	22.16	22.07	23.00

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	22.19	22.32	22.18	23
20	QPSK	1	49	21.97	22.13	22.00	
20	QPSK	1	99	22.11	22.09	22.19	
20	QPSK	50	0	21.37	21.41	21.26	22
20	QPSK	50	24	21.17	21.39	21.38	
20	QPSK	50	50	21.34	21.25	21.40	
20	QPSK	100	0	21.36	21.53	21.33	
20	16QAM	1	0	21.74	21.38	21.58	22
20	16QAM	1	49	21.35	21.32	21.75	
20	16QAM	1	99	21.45	21.54	21.61	
20	16QAM	50	0	21.25	21.09	21.23	22
20	16QAM	50	24	21.14	21.24	21.27	
20	16QAM	50	50	21.13	21.32	21.27	
20	16QAM	100	0	21.19	21.21	21.29	
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	21.81	22.06	21.87	23
15	QPSK	1	37	22.01	22.13	22.22	
15	QPSK	1	74	22.02	22.07	22.07	
15	QPSK	36	0	21.31	21.42	21.34	22
15	QPSK	36	20	21.32	21.29	21.42	
15	QPSK	36	39	21.31	21.29	21.44	
15	QPSK	75	0	21.09	21.30	21.36	
15	16QAM	1	0	21.28	21.38	21.58	22
15	16QAM	1	37	21.56	21.35	21.51	
15	16QAM	1	74	21.62	21.40	21.47	
15	16QAM	36	0	21.30	21.42	21.45	22
15	16QAM	36	20	21.38	21.41	21.51	
15	16QAM	36	39	21.40	21.58	21.48	
15	16QAM	75	0	21.46	21.33	21.52	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	22.12	21.98	22.22	23
10	QPSK	1	25	21.95	22.03	22.22	
10	QPSK	1	49	22.08	21.96	22.03	
10	QPSK	25	0	21.37	21.49	21.31	22
10	QPSK	25	12	21.50	21.62	21.74	
10	QPSK	25	25	21.35	21.62	21.63	
10	QPSK	50	0	21.48	21.49	21.56	
10	16QAM	1	0	21.59	21.66	21.62	22
10	16QAM	1	25	21.89	21.52	21.63	
10	16QAM	1	49	21.58	21.55	21.88	
10	16QAM	25	0	21.09	21.18	21.23	22
10	16QAM	25	12	21.25	21.21	21.28	
10	16QAM	25	25	21.03	21.38	21.37	
10	16QAM	50	0	21.26	21.16	21.33	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	22.14	22.25	22.11	23
5	QPSK	1	12	22.02	22.15	22.23	
5	QPSK	1	24	22.13	22.24	22.22	
5	QPSK	12	0	21.59	21.54	21.57	22
5	QPSK	12	7	21.38	21.55	21.54	
5	QPSK	12	13	21.43	21.54	21.49	
5	QPSK	25	0	21.55	21.65	21.51	
5	16QAM	1	0	21.62	21.66	21.68	22
5	16QAM	1	12	21.85	21.65	21.62	
5	16QAM	1	24	21.99	21.62	21.77	
5	16QAM	12	0	21.20	21.26	21.29	22
5	16QAM	12	7	21.12	21.27	21.40	
5	16QAM	12	13	21.19	21.30	21.22	
5	16QAM	25	0	21.32	21.18	21.33	
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	22.04	22.24	22.29	23
3	QPSK	1	8	22.19	22.12	22.07	
3	QPSK	1	14	22.12	22.12	22.13	
3	QPSK	8	0	21.18	21.12	21.36	22
3	QPSK	8	4	21.11	21.14	21.31	
3	QPSK	8	7	21.32	21.45	21.40	
3	QPSK	15	0	21.29	21.43	21.52	
3	16QAM	1	0	21.60	21.55	21.62	22
3	16QAM	1	8	21.74	21.56	21.66	
3	16QAM	1	14	21.75	21.49	21.91	
3	16QAM	8	0	21.19	21.20	21.24	22
3	16QAM	8	4	21.12	21.28	21.28	
3	16QAM	8	7	21.25	21.30	21.19	
3	16QAM	15	0	21.11	21.19	21.34	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	22.28	22.16	22.16	23
1.4	QPSK	1	3	22.12	22.16	22.07	
1.4	QPSK	1	5	22.23	22.16	21.89	
1.4	QPSK	3	0	21.37	21.35	21.36	
1.4	QPSK	3	1	21.44	21.35	21.31	
1.4	QPSK	3	3	21.38	21.36	21.28	
1.4	QPSK	6	0	21.27	21.33	21.39	22
1.4	16QAM	1	0	21.69	21.55	21.54	22
1.4	16QAM	1	3	21.52	21.55	21.86	
1.4	16QAM	1	5	21.65	21.48	21.78	
1.4	16QAM	3	0	21.11	21.50	21.26	
1.4	16QAM	3	1	21.43	21.50	21.21	
1.4	16QAM	3	3	21.19	21.31	21.25	
1.4	16QAM	6	0	21.29	21.23	21.35	22

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	22.28	22.38	22.36	23
20	QPSK	1	49	22.31	22.22	22.32	
20	QPSK	1	99	22.11	22.24	22.20	
20	QPSK	50	0	21.47	21.57	21.39	22
20	QPSK	50	24	21.42	21.39	21.53	
20	QPSK	50	50	21.41	21.34	21.43	
20	QPSK	100	0	21.36	21.27	21.43	
20	16QAM	1	0	21.42	21.40	21.40	22
20	16QAM	1	49	21.44	21.33	21.41	
20	16QAM	1	99	21.30	21.15	21.30	
20	16QAM	50	0	21.22	21.40	21.29	22
20	16QAM	50	24	21.27	21.22	21.35	
20	16QAM	50	50	21.21	21.26	21.68	
20	16QAM	100	0	21.29	21.37	21.37	
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	22.36	22.13	22.22	23
15	QPSK	1	37	22.27	22.13	22.17	
15	QPSK	1	74	22.12	22.16	22.24	
15	QPSK	36	0	21.28	21.34	21.43	22
15	QPSK	36	20	21.37	21.33	21.62	
15	QPSK	36	39	21.37	21.43	21.38	
15	QPSK	75	0	21.30	21.36	21.51	
15	16QAM	1	0	21.37	21.62	21.55	22
15	16QAM	1	37	21.56	21.54	21.65	
15	16QAM	1	74	21.33	21.76	21.63	
15	16QAM	36	0	21.17	21.16	21.16	22
15	16QAM	36	20	21.18	21.31	21.37	
15	16QAM	36	39	21.30	21.20	21.54	
15	16QAM	75	0	21.20	21.39	21.36	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	22.06	22.12	22.09	23
10	QPSK	1	25	21.99	22.16	22.13	
10	QPSK	1	49	21.90	22.08	22.08	
10	QPSK	25	0	21.27	21.53	21.50	22
10	QPSK	25	12	21.34	21.40	21.55	
10	QPSK	25	25	21.45	21.49	21.31	
10	QPSK	50	0	21.20	21.34	21.38	
10	16QAM	1	0	21.74	21.62	21.52	22
10	16QAM	1	25	21.55	21.58	21.66	
10	16QAM	1	49	21.81	21.44	21.52	
10	16QAM	25	0	21.27	21.30	21.36	22
10	16QAM	25	12	21.17	21.28	21.36	
10	16QAM	25	25	21.51	21.27	21.41	
10	16QAM	50	0	21.21	21.28	21.40	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	22.19	22.37	22.00	23
5	QPSK	1	12	22.15	22.14	22.15	
5	QPSK	1	24	22.18	22.21	22.23	
5	QPSK	12	0	21.40	21.55	21.45	22
5	QPSK	12	7	21.44	21.46	21.50	
5	QPSK	12	13	21.35	21.43	21.40	
5	QPSK	25	0	21.09	21.15	21.19	
5	16QAM	1	0	21.46	21.88	21.62	22
5	16QAM	1	12	21.52	21.86	21.55	
5	16QAM	1	24	21.62	21.42	21.75	
5	16QAM	12	0	21.34	21.38	21.32	22
5	16QAM	12	7	21.17	21.26	21.32	
5	16QAM	12	13	21.42	21.28	21.44	
5	16QAM	25	0	21.26	21.26	21.36	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	22.08	22.16	22.09	23
3	QPSK	1	8	22.00	22.13	22.11	
3	QPSK	1	14	22.01	21.79	22.20	
3	QPSK	8	0	21.46	21.38	21.47	22
3	QPSK	8	4	21.41	21.38	21.52	
3	QPSK	8	7	21.40	21.33	21.42	
3	QPSK	15	0	21.62	21.52	21.21	
3	16QAM	1	0	21.64	21.62	21.55	22
3	16QAM	1	8	21.55	21.52	21.62	
3	16QAM	1	14	21.62	21.37	21.52	
3	16QAM	8	0	21.44	21.62	21.51	22
3	16QAM	8	4	21.49	21.44	21.57	
3	16QAM	8	7	21.43	21.48	21.90	
3	16QAM	15	0	21.51	21.59	21.59	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	22.12	22.20	22.13	23
1.4	QPSK	1	3	22.04	22.17	22.15	
1.4	QPSK	1	5	22.05	22.15	22.12	
1.4	QPSK	3	0	22.13	22.05	22.14	
1.4	QPSK	3	1	22.29	22.26	22.26	
1.4	QPSK	3	3	22.28	22.21	22.30	
1.4	QPSK	6	0	21.66	21.56	21.25	22
1.4	16QAM	1	0	21.68	21.66	21.59	22
1.4	16QAM	1	3	21.59	21.56	21.66	
1.4	16QAM	1	5	21.66	21.41	21.56	
1.4	16QAM	3	0	21.27	21.45	21.34	
1.4	16QAM	3	1	21.32	21.27	21.40	
1.4	16QAM	3	3	21.26	21.31	21.55	
1.4	16QAM	6	0	21.34	21.42	21.42	22

LTE Band 5

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	22.26	22.48	22.39	
10	QPSK	1	25	22.08	22.28	22.12	23
10	QPSK	1	49	22.30	22.31	22.40	
10	QPSK	25	0	21.39	21.49	21.28	
10	QPSK	25	12	21.34	21.38	21.37	22
10	QPSK	25	25	21.44	21.48	21.37	
10	QPSK	50	0	21.42	21.39	21.46	
10	16QAM	1	0	21.34	21.37	21.17	
10	16QAM	1	25	21.61	21.49	21.42	22
10	16QAM	1	49	21.32	21.51	21.31	
10	16QAM	25	0	21.29	21.67	21.61	
10	16QAM	25	12	21.29	21.48	21.61	22
10	16QAM	25	25	21.58	21.51	21.58	
10	16QAM	50	0	21.22	21.27	21.42	
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	22.02	22.21	22.46	
5	QPSK	1	12	22.10	22.24	22.04	23
5	QPSK	1	24	22.10	22.37	22.12	
5	QPSK	12	0	21.41	21.43	21.40	
5	QPSK	12	7	21.06	21.44	21.53	22
5	QPSK	12	13	21.25	21.51	21.25	
5	QPSK	25	0	21.37	21.31	21.50	
5	16QAM	1	0	21.25	21.25	21.26	
5	16QAM	1	12	21.22	21.26	21.22	22
5	16QAM	1	24	21.42	21.55	21.55	
5	16QAM	12	0	21.33	21.48	21.56	
5	16QAM	12	7	21.50	21.39	21.38	22
5	16QAM	12	13	21.48	21.25	21.19	
5	16QAM	25	0	21.49	21.34	21.35	
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	22.07	22.11	22.39	
3	QPSK	1	8	22.43	22.03	22.24	23
3	QPSK	1	14	22.13	22.06	22.34	
3	QPSK	8	0	21.20	21.62	21.48	
3	QPSK	8	4	21.44	21.51	21.51	22
3	QPSK	8	7	21.55	21.46	21.29	
3	QPSK	15	0	21.37	21.33	21.62	
3	16QAM	1	0	21.33	21.60	21.37	
3	16QAM	1	8	21.68	21.24	21.74	22
3	16QAM	1	14	21.56	21.57	21.52	
3	16QAM	8	0	21.28	21.48	21.50	
3	16QAM	8	4	21.37	21.54	21.32	22
3	16QAM	8	7	21.32	21.39	21.40	
3	16QAM	15	0	21.33	21.25	21.40	
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	22.27	22.18	22.35	
1.4	QPSK	1	3	22.34	22.23	22.40	
1.4	QPSK	1	5	22.32	22.26	22.45	23
1.4	QPSK	3	0	22.30	22.19	22.25	
1.4	QPSK	3	1	22.23	22.18	22.38	
1.4	QPSK	3	3	22.18	22.16	22.28	
1.4	QPSK	6	0	21.56	21.39	21.57	22
1.4	16QAM	1	0	21.22	21.32	21.32	
1.4	16QAM	1	3	21.44	21.42	21.42	
1.4	16QAM	1	5	21.22	21.49	21.44	22
1.4	16QAM	3	0	21.57	21.49	21.36	
1.4	16QAM	3	1	21.48	21.40	21.51	
1.4	16QAM	3	3	21.27	21.53	21.19	
1.4	16QAM	6	0	21.38	21.37	21.31	22

LTE Band 7

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	22.20	22.24	22.21	
20	QPSK	1	49	22.18	22.14	22.15	23
20	QPSK	1	99	22.19	22.11	22.16	
20	QPSK	50	0	21.33	21.45	21.35	
20	QPSK	50	24	21.41	21.31	21.37	22
20	QPSK	50	50	21.34	21.22	21.37	
20	QPSK	100	0	21.35	21.34	21.17	
20	16QAM	1	0	21.46	21.27	21.47	
20	16QAM	1	49	21.14	21.37	21.22	22
20	16QAM	1	99	21.05	21.42	21.12	
20	16QAM	50	0	21.41	21.64	21.23	
20	16QAM	50	24	21.52	21.20	21.24	22
20	16QAM	50	50	21.54	21.23	21.26	
20	16QAM	100	0	21.19	21.25	21.50	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	22.13	22.16	22.12	
15	QPSK	1	37	22.16	22.18	22.21	23
15	QPSK	1	74	22.21	22.16	22.15	
15	QPSK	36	0	21.44	21.35	21.09	
15	QPSK	36	20	21.32	21.33	21.37	22
15	QPSK	36	39	21.48	21.12	21.50	
15	QPSK	75	0	21.37	21.40	21.51	
15	16QAM	1	0	21.43	21.34	21.22	
15	16QAM	1	37	21.45	21.64	21.22	22
15	16QAM	1	74	21.42	21.35	21.35	
15	16QAM	36	0	21.01	21.16	21.16	
15	16QAM	36	20	21.29	21.12	21.26	22
15	16QAM	36	39	21.05	21.08	21.15	
15	16QAM	75	0	21.22	21.21	21.15	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	22.10	22.11	22.13	
10	QPSK	1	25	22.12	22.12	22.12	23
10	QPSK	1	49	22.04	22.14	22.14	
10	QPSK	25	0	21.50	21.26	21.18	
10	QPSK	25	12	21.34	21.27	21.30	22
10	QPSK	25	25	21.25	21.25	21.36	
10	QPSK	50	0	21.35	21.07	21.36	
10	16QAM	1	0	21.54	21.60	21.64	
10	16QAM	1	25	21.38	21.52	21.64	22
10	16QAM	1	49	21.45	21.25	21.66	
10	16QAM	25	0	21.47	21.22	21.15	
10	16QAM	25	12	21.30	21.11	21.22	22
10	16QAM	25	25	21.36	21.24	21.24	
10	16QAM	50	0	21.37	21.26	21.22	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	22.12	22.08	22.17	
5	QPSK	1	12	22.13	22.10	22.01	23
5	QPSK	1	24	22.16	22.05	22.06	
5	QPSK	12	0	21.46	21.20	21.14	
5	QPSK	12	7	21.35	21.19	21.31	22
5	QPSK	12	13	21.42	21.38	21.15	
5	QPSK	25	0	21.51	21.21	21.16	
5	16QAM	1	0	21.46	21.40	21.35	
5	16QAM	1	12	21.35	21.12	21.43	22
5	16QAM	1	24	21.44	21.42	21.30	
5	16QAM	12	0	21.33	21.61	21.45	
5	16QAM	12	7	21.42	21.46	21.41	22
5	16QAM	12	13	21.36	21.58	21.53	
5	16QAM	25	0	21.31	21.48	21.60	

LTE Band 12

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	22.41	22.49	22.35	23
10	QPSK	1	25	22.28	22.44	22.42	
10	QPSK	1	49	22.28	22.40	22.29	
10	QPSK	25	0	21.42	21.50	21.45	22
10	QPSK	25	12	21.39	21.49	21.30	
10	QPSK	25	25	21.44	21.38	21.31	
10	QPSK	50	0	21.42	21.60	21.32	
10	16QAM	1	0	21.63	21.39	21.24	22
10	16QAM	1	25	21.42	21.29	21.42	
10	16QAM	1	49	21.32	21.43	21.32	
10	16QAM	25	0	21.09	21.29	21.39	22
10	16QAM	25	12	21.18	21.00	21.08	
10	16QAM	25	25	21.08	21.09	21.09	
10	16QAM	50	0	21.09	21.28	21.28	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	22.41	22.16	22.24	23
5	QPSK	1	12	22.30	22.41	22.34	
5	QPSK	1	24	22.42	22.45	22.34	
5	QPSK	12	0	21.29	21.40	21.48	22
5	QPSK	12	7	21.27	21.61	21.34	
5	QPSK	12	13	21.32	21.28	21.60	
5	QPSK	25	0	21.46	21.64	21.49	
5	16QAM	1	0	21.48	21.35	21.63	22
5	16QAM	1	12	21.32	21.32	21.39	
5	16QAM	1	24	21.46	21.39	21.32	
5	16QAM	12	0	21.39	21.32	21.29	22
5	16QAM	12	7	21.32	21.39	21.43	
5	16QAM	12	13	21.39	21.37	21.39	
5	16QAM	25	0	21.43	21.29	21.39	
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	22.18	22.30	22.34	23
3	QPSK	1	8	22.28	22.44	22.31	
3	QPSK	1	14	22.28	22.40	22.48	
3	QPSK	8	0	21.35	21.35	21.43	22
3	QPSK	8	4	21.39	21.70	21.30	
3	QPSK	8	7	21.44	21.38	21.67	
3	QPSK	15	0	21.42	21.60	21.32	
3	16QAM	1	0	21.63	21.39	21.24	22
3	16QAM	1	8	21.39	21.43	21.44	
3	16QAM	1	14	21.62	21.39	21.32	
3	16QAM	8	0	21.32	21.29	21.39	22
3	16QAM	8	4	21.39	21.41	21.32	
3	16QAM	8	7	21.39	21.32	21.39	
3	16QAM	15	0	21.29	21.02	21.44	
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	22.16	22.28	22.32	23
1.4	QPSK	1	3	22.26	22.42	22.29	
1.4	QPSK	1	5	22.26	22.38	22.35	
1.4	QPSK	3	0	22.33	22.33	22.41	
1.4	QPSK	3	1	22.37	22.35	22.28	
1.4	QPSK	3	3	22.42	22.36	22.33	
1.4	QPSK	6	0	21.40	21.58	21.30	22
1.4	16QAM	1	0	21.61	21.37	21.22	22
1.4	16QAM	1	3	21.37	21.41	21.42	
1.4	16QAM	1	5	21.60	21.37	21.30	
1.4	16QAM	3	0	21.30	21.27	21.37	
1.4	16QAM	3	1	21.37	21.39	21.30	
1.4	16QAM	3	3	21.37	21.30	21.37	
1.4	16QAM	6	0	21.27	21.00	21.42	22

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	22.19	22.40	22.33	23
10	QPSK	1	25	22.20	22.28	22.28	
10	QPSK	1	49	22.20	22.35	22.34	
10	QPSK	25	0	21.13	21.49	21.43	22
10	QPSK	25	12	21.47	21.18	21.04	
10	QPSK	25	25	21.06	21.03	21.41	
10	QPSK	50	0	21.51	21.13	21.13	
10	16QAM	1	0	21.63	21.57	21.60	22
10	16QAM	1	25	21.32	21.61	21.67	
10	16QAM	1	49	21.39	21.64	21.59	
10	16QAM	25	0	21.32	21.29	21.29	22
10	16QAM	25	12	21.39	21.39	21.39	
10	16QAM	25	25	21.32	21.39	21.32	
10	16QAM	50	0	21.19	20.99	21.39	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	22.16	22.26	22.40	23
5	QPSK	1	12	22.21	22.23	22.31	
5	QPSK	1	24	22.27	22.22	22.29	
5	QPSK	12	0	21.12	21.39	21.44	22
5	QPSK	12	7	21.17	21.09	21.51	
5	QPSK	12	13	21.43	21.44	21.48	
5	QPSK	25	0	21.04	21.04	21.44	
5	16QAM	1	0	21.59	21.70	21.45	22
5	16QAM	1	12	21.59	21.45	21.53	
5	16QAM	1	24	21.56	21.65	21.41	
5	16QAM	12	0	21.29	21.22	21.13	22
5	16QAM	12	7	21.39	21.39	21.12	
5	16QAM	12	13	21.21	21.21	21.14	
5	16QAM	25	0	20.99	21.12	21.11	

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	12.02	13.0	11	100
		CH 7	2442	12.57	13.0	11	
		CH 13	2472	12.09	13.0	11	
	802.11g 6Mbps	CH 1	2412	12.13	13.0	14	100
		CH 7	2442	12.38	13.0	14	
		CH 13	2472	12.21	13.0	14	
	802.11n-HT20 MCS0	CH 1	2412	12.08	13.0	15	100
		CH 7	2442	12.47	13.0	15	
		CH 13	2472	12.09	13.0	15	

Bluetooth

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	7.80	6.45	6.47
	CH 39	2441	7.27	4.94	4.87
	CH 78	2480	6.36	4.07	4.00
Tune-up Limit			8.5	7	7
Duty Cycle %			77.33	76.53	76.8

Mode	Channel	Frequency (MHz)	Average power (dBm)
			1Mbps
LE	CH 00	2402	-0.38
	CH 19	2440	0.60
	CH 39	2480	-0.52
Tune-up Limit			1.00
Duty Cycle %			62.98