

Appendix A:Conducted Power Measurement Results-GSM

GSM850		Burst Average Power (dBm)			Tune-up limit (dBm)	Division Factors	Frame-Average Power (dBm)			Tune-up limit (dBm)
		CH128	CH190	CH251			CH128	CH190	CH251	
		824.2MHz	836.6MHz	848.8MHz			824.2MHz	836.6MHz	848.8MHz	
GSM		32.03	32.03	31.66	32.50	-9.03	23.00	23.00	22.63	23.47
GPRS (GMSK)	1Tx slot	32.13	32.04	31.60	32.50	-9.03	23.10	23.01	22.57	23.47
	2Tx slots	31.66	31.56	31.28	32.00	-6.02	25.64	25.54	25.26	25.98
	3Tx slots	30.38	30.31	29.72	30.50	-4.26	26.12	26.05	25.46	26.24
	4Tx slots	28.92	28.86	28.47	29.00	-3.01	25.91	25.85	25.46	25.99
EGPRS (8PSK)	1Tx slot	25.60	25.54	24.68	26.00	-9.03	16.57	16.51	15.65	16.97
	2Tx slots	24.22	24.36	23.84	24.50	-6.02	18.20	18.34	17.82	18.48
	3Tx slots	22.17	22.33	23.22	23.50	-4.26	17.91	18.07	18.96	19.24
	4Tx slots	20.78	20.48	20.31	21.00	-3.01	17.77	17.47	17.30	17.99

GSM1900		Burst Average Power (dBm)			Tune-up limit (dBm)	Division Factors	Frame-Average Power (dBm)			Tune-up limit (dBm)
		CH512	CH661	CH810			CH512	CH661	CH810	
		1850.2MHz	1880MHz	1909.8MHz			1850.2MHz	1880.0MHz	1909.8MHz	
GSM		29.16	29.29	29.25	29.50	-9.03	20.13	20.26	20.22	20.47
GPRS (GMSK)	1Tx slot	29.11	29.19	29.16	29.50	-9.03	20.08	20.16	20.13	20.47
	2Tx slots	28.53	28.66	28.63	29.00	-6.02	22.51	22.64	22.61	22.98
	3Tx slots	27.05	27.18	27.18	27.50	-4.26	22.79	22.92	22.92	23.24
	4Tx slots	25.58	25.75	25.77	26.00	-3.01	22.57	22.74	22.76	22.99
EGPRS (8PSK)	1Tx slot	26.55	26.07	25.89	27.00	-9.03	17.52	17.04	16.86	17.97
	2Tx slots	25.55	25.45	25.37	26.00	-6.02	19.53	19.43	19.35	19.98
	3Tx slots	23.67	23.29	23.02	24.00	-4.26	19.41	19.03	18.76	19.74
	4Tx slots	22.19	22.07	21.84	22.50	-3.01	19.18	19.06	18.83	19.49

Appendix A:Conducted Power Measurement Results-WCDMA

WCDMA Band II		Conducted Power (dBm)			Tune-up limit (dBm)
		CH9262	CH9400	CH9538	
		1852.4MHz	1880MHz	1907.6MHz	
AMR 12.2K		22.64	22.91	23.02	23.50
RMC 12.2K		22.67	22.94	23.05	23.50
HSDPA	Subtest-1	21.76	22.02	22.00	22.50
	Subtest-2	21.23	21.48	21.45	21.50
	Subtest-3	21.28	21.36	21.48	21.50
	Subtest-4	21.26	21.42	21.47	21.50
HSUPA	Subtest-1	19.76	19.99	20.06	20.50
	Subtest-2	20.24	20.51	20.59	21.00
	Subtest-3	20.78	21.05	21.09	21.50
	Subtest-4	19.79	20.04	20.08	20.50
	Subtest-5	21.76	22.03	22.07	22.50

WCDMA Band IV		Conducted Power (dBm)			Tune-up limit (dBm)
		CH1312	CH1413	CH1513	
		1712.4MHz	1732.6MHz	1752.6MHz	
AMR 12.2K		22.30	22.35	22.51	23.00
RMC 12.2K		22.33	22.38	22.54	23.00
HSDPA	Subtest-1	21.23	21.25	21.37	21.50
	Subtest-2	20.62	20.72	20.86	21.00
	Subtest-3	20.67	20.75	20.84	21.00
	Subtest-4	20.66	20.70	20.84	21.00
HSUPA	Subtest-1	19.81	19.19	19.35	20.00
	Subtest-2	19.64	19.66	19.79	20.00
	Subtest-3	20.12	20.16	20.35	20.50
	Subtest-4	19.17	19.23	19.36	19.50
	Subtest-5	21.11	21.17	21.32	21.50

WCDMA Band V		Conducted Power (dBm)			Tune-up limit (dBm)
		CH4132	CH4183	CH4233	
		826.4MHz	836.6MHz	846.6MHz	
AMR 12.2K		23.37	23.46	23.23	23.50
RMC 12.2K		23.41	23.50	23.26	24.00
HSDPA	Subtest-1	22.34	22.41	22.12	22.50
	Subtest-2	21.84	21.92	21.64	22.00
	Subtest-3	21.81	21.90	21.63	22.00
	Subtest-4	21.83	21.87	22.72	23.00
HSUPA	Subtest-1	20.35	20.37	20.10	20.50
	Subtest-2	20.80	20.77	20.54	21.00
	Subtest-3	21.31	21.31	21.07	21.50
	Subtest-4	20.37	20.40	20.18	20.50
	Subtest-5	22.36	22.40	22.10	22.50

Appendix A:Conducted Power Measurement Results-LTE

LTE-FDD Band 2				Conducted Power (dBm)			Tune-up Limit(dBm)
Band-width (MHz)	Modulation	RB allocation	RB offset	Low	Middle	High	
1.4	QPSK	1	0	21.82	22.08	22.16	22.50
			2	21.87	22.27	22.34	
			5	21.77	22.14	22.18	
		3	0	21.86	22.21	22.29	22.50
			1	21.85	22.21	22.28	
			3	21.89	22.24	22.28	
		6	0	20.87	21.13	21.32	21.50
	16QAM	1	0	20.83	21.28	21.29	21.50
			2	21.01	21.46	21.43	
			5	20.81	21.30	21.30	
		3	0	20.75	21.16	21.19	21.50
			1	20.77	21.18	21.18	
			3	20.74	21.16	21.17	
		6	0	19.91	20.05	20.15	20.50
3	QPSK	1	0	22.37	22.59	22.51	23.00
			8	22.38	22.53	22.55	
			14	22.39	22.57	22.54	
		8	0	21.41	21.62	21.61	22.00
			4	21.41	21.60	21.62	
			7	21.43	21.56	21.63	
		15	0	21.37	21.56	21.57	22.00
	16QAM	1	0	21.51	21.51	21.79	22.00
			8	21.46	21.55	21.69	
			14	21.48	21.49	21.66	
		8	0	20.40	20.64	20.67	21.00
			4	20.39	20.63	20.67	
			7	20.40	20.63	20.62	
		15	0	20.29	20.55	20.62	21.00
5	QPSK	1	0	22.32	22.52	22.61	23.00
			12	22.48	22.69	22.70	
			24	22.38	22.55	22.56	
		12	0	21.36	21.62	21.70	22.00
			6	21.32	21.63	21.70	
			13	21.45	21.58	21.62	
		25	0	21.41	21.63	21.67	22.00
	16QAM	1	0	21.50	21.56	21.64	22.00
			12	21.62	21.69	21.69	
			24	21.52	21.57	21.48	
		12	0	20.37	20.61	20.68	21.00
			6	20.32	20.65	20.69	
			13	20.48	20.58	20.64	
		25	0	20.35	20.70	20.66	21.00

Appendix A:Conducted Power Measurement Results-LTE

10	QPSK	1	0	22.36	22.57	22.62	23.00
			24	22.55	22.69	22.69	
			49	22.39	22.60	22.58	
		25	0	21.33	21.70	21.88	22.00
			12	21.36	21.69	21.88	
			25	21.57	21.70	21.71	
		50	0	21.39	21.63	21.81	22.00
	16QAM	1	0	21.50	21.48	21.82	22.00
			24	21.64	21.61	21.95	
			49	21.51	21.52	21.73	
		25	0	20.35	20.81	20.93	21.00
			12	20.37	20.81	20.88	
			25	20.60	20.74	20.72	
		50	0	20.43	20.72	20.80	21.00
15	QPSK	1	0	22.30	22.48	22.48	23.00
			38	22.48	22.65	22.68	
			74	22.31	22.49	22.46	
		38	0	21.53	21.43	21.70	22.00
			18	21.69	21.62	21.92	
			37	21.61	21.37	21.63	
		75	0	21.61	21.72	21.80	22.00
	16QAM	1	0	21.53	21.41	21.70	22.00
			38	21.67	21.58	21.85	
			74	21.68	21.41	21.61	
		38	0	21.55	21.42	21.69	22.00
			18	21.67	21.55	21.87	
			37	21.65	21.40	21.66	
		75	0	20.52	20.72	20.75	21.00
20	QPSK	1	0	22.13	22.17	22.29	23.00
			49	22.64	22.58	22.77	
			99	22.27	22.12	22.32	
		50	0	21.24	21.69	21.57	22.00
			25	21.24	21.65	21.59	
			50	21.47	21.64	21.43	
		100	0	21.38	21.64	21.55	22.00
	16QAM	1	0	21.27	21.33	21.32	22.00
			49	21.71	21.75	21.85	
			99	21.44	21.28	21.35	
		50	0	20.25	20.73	20.55	21.00
			25	20.25	20.71	20.56	
			50	20.49	20.72	20.45	
		100	0	20.38	20.71	20.52	21.00

Appendix A:Conducted Power Measurement Results-LTE

LTE-FDD Band 4				Conducted Power (dBm)			Tune-up Limit(dBm)
Band-width(MHz)	Modulation	RB allocation	RB offset	Low	Middle	High	
1.4	QPSK	1	0	21.72	21.81	21.96	22.50
			2	21.80	21.94	22.09	
			5	21.76	21.84	21.99	
		3	0	21.83	21.93	22.08	22.50
			1	21.85	21.93	22.09	
			3	21.86	21.99	22.12	
		6	0	20.71	20.89	21.04	21.50
	16QAM	1	0	20.87	21.03	21.15	21.50
			2	21.04	21.20	21.34	
			5	20.89	21.02	21.13	
		3	0	20.78	20.90	21.05	21.50
			1	20.74	20.91	21.03	
			3	20.77	20.94	21.07	
		6	0	19.82	19.78	19.94	20.00
3	QPSK	1	0	21.80	21.98	21.97	22.50
			8	21.86	21.97	22.04	
			14	21.87	22.02	22.04	
		8	0	20.88	21.01	21.09	21.50
			4	20.85	21.01	21.10	
			7	20.91	21.00	21.12	
		15	0	20.86	20.99	21.10	21.50
	16QAM	1	0	21.10	20.92	21.19	21.50
			8	21.10	20.90	21.20	
			14	21.11	20.95	21.28	
		8	0	19.89	20.05	20.18	20.50
			4	19.91	20.04	20.17	
			7	19.92	20.06	20.21	
		15	0	19.83	19.95	20.13	20.50
5	QPSK	1	0	21.76	21.88	21.95	22.50
			12	21.94	22.01	22.16	
			24	21.78	21.95	22.09	
		12	0	20.85	20.90	21.05	21.50
			6	20.87	20.92	21.05	
			13	20.92	20.95	21.17	
		25	0	20.89	20.96	21.15	21.50
	16QAM	1	0	21.06	20.97	21.02	21.50
			12	21.18	21.08	21.15	
			24	21.08	20.97	21.09	
		12	0	19.94	20.00	20.09	20.50
			6	19.97	20.01	20.10	
			13	20.00	19.99	20.14	
		25	0	19.94	20.05	20.15	20.50

Appendix A:Conducted Power Measurement Results-LTE

10	QPSK	1	0	21.74	21.89	21.93	22.50
			24	21.93	22.07	22.01	
			49	21.80	21.98	22.07	
		25	0	20.85	20.98	21.09	21.50
			12	20.86	20.96	21.08	
			25	20.95	20.99	21.15	
		50	0	20.89	20.99	21.08	21.50
	16QAM	1	0	20.96	20.83	21.18	21.50
			24	21.08	20.92	21.34	
			49	21.04	20.90	21.26	
		25	0	19.90	20.06	20.13	20.50
			12	19.90	20.04	20.14	
			25	20.02	20.07	20.20	
		50	0	19.94	20.00	20.12	20.50
15	QPSK	1	0	21.63	21.81	21.79	22.00
			38	21.85	21.94	21.96	
			74	21.74	21.87	21.63	
		38	0	21.01	20.73	21.03	21.50
			18	21.20	20.85	21.24	
			37	21.06	20.73	21.16	
		75	0	20.93	20.96	21.11	21.50
	16QAM	1	0	21.01	20.71	21.02	21.50
			38	21.15	20.89	21.23	
			74	21.05	20.80	21.19	
		38	0	21.05	20.74	21.01	21.50
			18	21.20	20.84	21.20	
			37	21.09	20.73	21.14	
		75	0	19.92	19.97	20.07	20.50
20	QPSK	1	0	21.60	21.51	21.69	22.50
			49	22.07	21.79	22.10	
			99	21.71	21.51	21.69	
		50	0	20.81	20.92	20.98	21.50
			25	20.72	20.90	21.01	
			50	20.90	21.04	21.09	
		100	0	20.82	20.98	21.07	21.50
	16QAM	1	0	20.80	20.70	20.69	21.50
			49	21.31	20.96	21.22	
			99	20.96	20.52	20.63	
		50	0	19.87	20.01	20.01	20.50
			25	19.85	19.86	20.00	
			50	19.96	20.12	20.08	
		100	0	19.90	20.01	20.05	20.50

Appendix A:Conducted Power Measurement Results-LTE

LTE-FDD Band 5				Conducted Power (dBm)			Tune-up Limit(dBm)
Band-width(MHz)	Modulation	RB allocation	RB offset	Low	Middle	High	
1.4	QPSK	1	0	22.30	22.41	22.40	23.00
			2	22.53	22.47	22.20	
			5	22.50	22.43	22.10	
		3	0	22.60	22.54	22.22	23.00
			1	22.62	22.56	22.20	
			3	22.66	22.58	22.24	
		6	0	21.58	21.55	21.18	22.00
	16QAM	1	0	21.42	21.57	21.27	22.00
			2	21.67	21.81	21.48	
			5	21.55	21.57	21.25	
		3	0	21.33	21.45	21.11	21.50
			1	21.37	21.46	21.13	
			3	21.40	21.47	21.13	
		6	0	20.49	20.56	20.30	21.00
3	QPSK	1	0	22.75	22.79	22.42	23.00
			8	22.77	22.83	22.49	
			14	22.75	22.83	22.43	
		8	0	21.74	21.81	21.55	22.00
			4	21.78	21.81	21.53	
			7	21.73	21.83	21.49	
		15	0	21.74	21.80	21.48	22.00
	16QAM	1	0	21.98	21.73	21.66	22.00
			8	21.94	21.77	21.61	
			14	21.90	21.76	21.62	
		8	0	20.81	20.86	20.61	21.00
			4	20.83	20.88	20.63	
			7	20.80	20.90	20.56	
		15	0	20.71	20.81	20.54	21.00
5	QPSK	1	0	22.80	22.83	22.42	23.00
			12	22.92	22.98	22.58	
			24	22.78	22.87	22.43	
		12	0	21.79	21.87	21.55	22.00
			6	21.79	21.85	21.56	
			13	21.83	21.80	21.44	
		25	0	21.87	21.89	21.50	22.00
	16QAM	1	0	22.02	21.81	21.45	22.50
			12	22.14	21.97	21.63	
			24	21.99	21.84	21.50	
		12	0	20.89	20.94	20.53	21.00
			6	20.88	20.94	20.57	
			13	20.93	20.89	20.49	
		25	0	20.89	20.99	20.55	21.00
10	QPSK	1	0	22.73	22.78	22.44	23.00
			24	22.92	22.99	22.54	
			49	22.80	22.85	22.44	
		25	0	21.79	21.91	21.57	22.00
			12	21.81	21.92	21.57	
			25	21.98	21.88	21.43	
		50	0	21.87	21.86	21.50	22.00
	16QAM	1	0	22.00	21.74	21.65	22.50
			24	22.08	22.03	21.76	
			49	21.98	21.76	21.62	
		25	0	20.90	20.99	20.58	21.50
			12	20.89	20.98	20.58	
			25	21.03	20.98	20.50	
		50	0	20.95	20.88	20.55	21.00

Appendix A:Conducted Power Measurement Results-LTE

LTE-FDD Band 7				Conducted Power (dBm)			Tune-up Limit(dBm)
Band-width(MHz)	Modulation	RB allocation	RB offset	Low	Middle	High	
5	QPSK	1	0	21.87	22.00	22.04	22.50
			12	21.90	22.13	22.24	
			24	21.76	22.02	22.13	
		12	0	20.81	21.02	21.20	21.50
			6	20.85	21.02	21.23	
			13	20.86	21.00	21.15	
		25	0	20.86	21.08	21.16	21.50
	16QAM	1	0	20.92	20.99	21.05	21.50
			12	21.09	21.12	21.21	
			24	20.94	21.00	21.08	
		12	0	19.87	20.09	20.19	20.50
			6	19.88	20.10	20.17	
			13	19.90	20.13	20.13	
		25	0	19.91	20.12	20.21	20.50
10	QPSK	1	0	21.76	21.97	21.99	22.50
			24	21.94	22.06	22.16	
			49	21.81	22.01	22.12	
		25	0	20.87	21.07	21.18	21.50
			12	20.86	21.09	21.20	
			25	20.95	21.06	21.14	
		50	0	20.89	21.03	21.13	21.50
	16QAM	1	0	20.90	20.87	21.20	21.50
			24	21.04	20.99	21.38	
			49	20.94	20.87	21.30	
		25	0	19.93	20.13	20.24	20.50
			12	19.94	20.16	20.20	
			25	20.01	20.12	20.17	
		50	0	19.93	20.07	20.11	20.50
15	QPSK	1	0	21.69	21.88	21.90	22.50
			38	21.85	22.05	22.10	
			74	21.72	21.92	22.01	
		38	0	20.96	20.76	21.09	21.50
			18	21.11	20.98	21.25	
			37	21.03	20.84	21.19	
		75	0	20.95	21.08	21.17	21.50
	16QAM	1	0	20.95	20.80	21.11	21.50
			38	21.08	20.93	21.24	
			74	21.00	20.81	21.22	
		38	0	20.97	20.78	21.11	21.50
			18	21.08	20.94	21.27	
			37	21.00	20.86	21.15	
		75	0	19.94	20.11	20.14	20.50
20	QPSK	1	0	21.51	21.56	21.86	22.50
			49	22.06	22.06	22.36	
			99	21.68	21.69	21.96	
		50	0	20.72	21.04	21.11	21.50
			25	20.70	21.05	21.10	
			50	20.90	21.00	21.06	
		100	0	20.81	21.01	21.08	21.50
	16QAM	1	0	20.67	20.69	20.84	21.50
			49	21.10	21.25	21.36	
			99	20.78	20.78	20.95	
		50	0	19.79	20.09	20.12	20.50
			25	19.77	20.13	20.12	
			50	19.93	20.11	20.11	
		100	0	19.87	20.07	20.09	20.50

Appendix A:Conducted Power Measurement Results-LTE

LTE-FDD Band 17				Conducted Power (dBm)			Tune-up Limit(dBm)
Band-width(MHz)	Modulation	RB allocation	RB offset	Low	Middle	High	
5	QPSK	1	0	22.09	22.13	22.01	22.50
			12	22.15	22.16	22.09	
			24	22.10	22.04	21.96	
		12	0	21.14	21.09	21.06	22.00
			6	21.14	21.11	21.36	
			13	21.14	21.16	21.63	
		25	0	21.16	21.11	21.33	21.50
	16QAM	1	0	21.34	21.16	21.08	21.50
			12	21.47	21.20	21.18	
			24	21.34	21.11	20.99	
		12	0	20.25	20.14	20.14	21.00
			6	20.23	20.15	20.33	
			13	20.21	20.19	20.63	
		25	0	20.21	20.23	20.69	21.00
10	QPSK	1	0	22.10	22.12	22.07	22.50
			24	22.15	22.17	22.08	
			49	21.97	21.99	21.86	
		25	0	21.15	21.11	21.10	21.50
			12	21.18	21.12	21.10	
			25	21.07	21.01	20.97	
		50	0	21.10	21.05	20.99	21.50
	16QAM	1	0	21.29	21.03	21.32	21.50
			24	21.37	21.09	21.34	
			49	21.14	20.88	21.11	
		25	0	20.22	20.23	20.12	20.50
			12	20.24	20.19	20.14	
			25	20.19	20.13	20.01	
		50	0	20.15	20.09	20.00	20.50

Appendix A:Conducted Power Measurement Results-WiFi/Bluetooth

WIFI 2.4G					
Mode	Channel	Frequency (MHz)	Peak Power (dBm)	Average Power (dBm)	Tune-up limit (dBm)
802.11b 1Mbps	1	2412	12.12	9.70	10.00
	6	2437	13.28	10.81	11.00
	11	2462	14.02	11.60	12.00
802.11g 6Mbps	1	2412	16.08	13.54	14.00
	6	2437	17.35	14.70	15.00
	11	2462	18.24	15.60	16.00
802.11n (HT20) MCS0	1	2412	16.00	13.42	13.50
	6	2437	17.30	14.82	15.00
	11	2462	18.16	15.56	16.00
802.11n (HT40) MCS0	3	2422	19.77	17.20	17.50
	6	2437	19.07	16.64	17.00
	9	2452	18.17	15.72	16.00

Bluetooth						
Mode	Channel	Frequency (MHz)	Peak Power (dBm)	Average Power (dBm)	Tune-up limit (dBm)	
EDR	GFSK	0	2402	8.60	8.58	9.00
		39	2441	8.18	8.17	8.50
		78	2480	8.81	8.78	9.00
	$\pi/4$ QPSK	0	2402	7.78	7.72	8.00
		39	2441	7.58	7.52	8.00
		78	2480	8.32	8.27	8.50
	8DPSK	0	2402	7.87	7.78	8.00
		39	2441	7.66	7.61	8.00
		78	2480	8.39	8.31	8.50
BLE	GFSK	0	2402	-4.85	-4.97	-4.50
		19	2440	-3.69	-3.79	-3.50
		39	2480	-3.95	-4.07	-4.00