

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		33.10	33.22	32.98	33.50	-9.03	24.07	24.19	23.95	24.47
GPRS (GMSK)	1Tx slot	33.05	32.86	32.61	33.50	-9.03	24.02	23.83	23.58	24.47
	2Tx slots	32.39	32.55	32.26	33.00	-6.02	26.37	26.53	26.24	26.98
	3Tx slots	30.54	30.69	30.53	31.00	-4.26	26.28	26.43	26.27	26.74
	4Tx slots	28.73	28.91	28.76	29.00	-3.01	25.72	25.90	25.75	25.99
EGPRS (8PSK)	1Tx slot	27.27	27.16	27.03	27.50	-9.03	18.24	18.13	18.00	18.47
	2Tx slots	27.25	27.43	27.28	27.50	-6.02	21.23	21.41	21.26	21.48
	3Tx slots	27.05	27.23	27.10	27.50	-4.26	22.79	22.97	22.84	23.24
	4Tx slots	26.72	26.93	26.76	27.00	-3.01	23.71	23.92	23.75	23.99

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		30.14	30.42	30.41	30.50	-9.03	21.11	21.39	21.38	21.47
GPRS (GMSK)	1Tx slot	30.17	30.26	30.20	30.50	-9.03	21.14	21.23	21.17	21.47
	2Tx slots	29.54	29.70	29.68	30.00	-6.02	23.52	23.68	23.66	23.98
	3Tx slots	27.85	27.98	27.98	28.00	-4.26	23.59	23.72	23.72	23.74
	4Tx slots	26.39	26.50	26.47	27.00	-3.01	23.38	23.49	23.46	23.99
EGPRS (8PSK)	1Tx slot	26.33	26.51	26.47	27.00	-9.03	17.30	17.48	17.44	17.97
	2Tx slots	26.33	26.53	26.54	27.00	-6.02	20.31	20.51	20.52	20.98
	3Tx slots	26.33	26.51	26.49	27.00	-4.26	22.07	22.25	22.23	22.74
	4Tx slots	26.35	26.50	26.44	27.00	-3.01	23.34	23.49	23.43	23.99

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		22.92	22.99	22.70	23.00
RMC 12.2K		22.95	23.02	22.73	23.50
HSDPA	Subtest-1	22.00	22.17	22.25	22.50
	Subtest-2	21.55	21.68	21.77	22.00
	Subtest-3	21.57	21.70	21.78	22.00
	Subtest-4	21.56	21.68	21.79	22.00
HSUPA	Subtest-1	19.99	20.15	20.23	20.50
	Subtest-2	20.51	20.69	20.76	21.00
	Subtest-3	21.01	21.17	21.32	21.50
	Subtest-4	20.06	20.15	20.24	20.50
	Subtest-5	21.94	22.09	22.19	22.50

WCDMA Band V		Conducted Power (dBm)			Tune-up limit (dBm)
		CH4132	CH4183	CH4233	
		826.4MHz	836.6MHz	846.6MHz	
AMR 12.2K		23.00	22.96	22.53	23.50
RMC 12.2K		23.03	22.99	22.56	23.50
HSDPA	Subtest-1	21.75	21.69	21.37	22.00
	Subtest-2	21.31	21.25	20.88	21.50
	Subtest-3	21.34	21.27	20.90	21.50
	Subtest-4	21.33	21.24	20.87	21.50
HSUPA	Subtest-1	19.83	19.77	19.36	20.00
	Subtest-2	20.25	20.19	19.81	20.50
	Subtest-3	20.78	20.73	20.30	21.00
	Subtest-4	19.88	19.79	19.41	20.00
	Subtest-5	21.82	21.72	21.35	22.00

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	23.66	23.75	24.00	24.50
			2	23.86	23.95	24.15	
			5	23.68	23.78	24.03	
		3	0	23.76	23.85	23.82	24.00
			1	23.77	23.82	23.84	
			3	23.74	23.89	23.88	
	6	0	22.79	22.89	23.08	23.50	
	16QAM	1	0	22.69	22.84	22.80	23.50
			2	22.89	23.08	22.98	
			5	22.71	22.85	22.79	
		3	0	22.59	22.71	22.65	23.00
			1	22.59	22.71	22.63	
			3	22.58	22.69	22.63	
	6	0	21.79	21.74	21.77	22.00	
	3	QPSK	1	0	23.48	23.63	23.79
8				23.28	23.56	23.29	
14				23.14	23.43	23.33	
8			0	22.19	22.55	22.37	23.00
			4	22.20	22.68	22.36	
			7	22.17	22.76	22.33	
15		0	22.19	22.69	22.25	23.00	
16QAM		1	0	22.51	22.19	22.56	23.00
			8	22.29	22.17	22.31	
			14	22.26	22.27	22.27	
		8	0	21.16	21.39	21.30	22.00
			4	21.16	21.64	21.31	
			7	21.16	21.53	21.27	
15		0	21.04	21.50	21.24	22.00	
5		QPSK	1	0	23.03	23.18	23.22
	12			23.19	23.31	23.43	
	24			23.07	23.23	23.28	
	12		0	22.15	22.21	22.24	22.50
			6	22.15	22.20	22.27	
			13	22.09	22.23	22.26	
	25	0	22.15	22.23	22.25	22.50	
	16QAM	1	0	22.18	22.13	22.21	22.50
			12	22.34	22.29	22.26	
			24	22.27	22.17	22.11	
		12	0	21.14	21.17	21.17	21.50
			6	21.14	21.16	21.20	
			13	21.11	21.24	21.17	
	25	0	21.11	21.26	21.23	21.50	
	10	QPSK	1	0	23.35	23.62	23.76
24				23.37	23.45	23.47	
49				23.16	23.47	23.38	
25			0	22.26	22.55	22.35	23.00
			12	22.28	22.80	22.33	
			25	22.23	22.82	22.44	
50		0	22.25	22.78	22.38	23.00	
16QAM		1	0	22.32	22.20	22.91	23.00
			24	22.48	22.33	22.50	
			49	22.37	22.20	22.33	
		25	0	21.30	21.67	21.31	22.00
			12	21.28	21.80	21.32	
			25	21.27	21.82	21.40	
50		0	21.23	21.73	21.34	22.00	

Appendix A:Conducted Power Measurement Results-LTE

15	QPSK	1	0	23.05	23.19	23.17	23.50	
			38	23.19	23.24	23.24		
			74	23.07	23.09	23.16		
		38	0	22.29	22.04	22.36	22.50	
			18	22.44	22.14	22.44		
			37	22.35	22.00	22.19		
		75	0	22.32	22.32	22.48	22.50	
		16QAM	1	0	22.28	22.05	22.36	22.50
				38	22.43	22.15	22.45	
	74			22.35	22.00	22.19		
	38		0	22.28	22.05	22.36	22.50	
			18	22.45	22.17	22.45		
			37	22.35	22.02	22.19		
	75	0	21.25	21.27	21.36	21.50		
	20	QPSK	1	0	22.94	22.86	23.03	24.00
49				23.30	23.26	23.51		
99				22.99	22.85	23.18		
50			0	22.14	22.06	22.43	22.50	
			25	22.13	22.08	22.48		
			50	22.22	22.09	22.47		
100		0	22.16	22.07	22.46	22.50		
16QAM		1	0	22.05	21.96	22.09	22.50	
			49	22.48	22.31	22.43		
			99	22.12	21.97	22.01		
		50	0	21.14	21.11	21.43	21.50	
			25	21.15	21.11	21.46		
			50	21.22	21.13	21.45		
		100	0	21.17	21.06	21.43	21.50	

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	22.25	22.46	22.86	23.50
			2	23.02	22.59	23.06	
			5	22.89	22.47	22.74	
		3	0	22.23	22.55	22.77	23.00
			1	22.24	22.55	22.75	
			3	22.29	22.57	22.77	
	6	0	21.35	21.54	21.85	22.00	
	16QAM	1	0	21.75	21.56	21.76	22.00
			2	21.87	21.73	21.92	
			5	21.08	21.61	21.73	
		3	0	21.03	21.44	21.56	22.00
			1	21.04	21.43	21.57	
			3	21.01	21.45	21.58	
	6	0	20.35	20.44	20.61	21.00	
	3	QPSK	1	0	22.89	23.04	22.87
8				22.94	23.07	22.76	
14				22.93	22.79	22.73	
8			0	21.92	21.57	21.85	22.50
			4	21.93	21.60	21.99	
			7	21.90	21.62	22.06	
15		0	21.82	21.53	22.02	22.50	
16QAM		1	0	21.87	21.94	21.79	22.00
			8	21.87	21.83	21.78	
			14	21.84	21.63	21.79	
		8	0	20.79	20.63	20.85	21.00
			4	20.79	20.62	20.96	
			7	20.77	20.69	20.94	
15		0	20.68	20.51	21.10	21.50	
5		QPSK	1	0	22.71	22.91	22.64
	12			22.91	22.96	22.81	
	24			22.78	22.52	22.71	
	12		0	21.71	21.45	21.69	22.00
			6	21.73	21.44	21.72	
			13	21.72	21.51	21.65	
	25	0	21.67	21.49	21.69	22.00	
	16QAM	1	0	21.74	21.92	21.50	22.00
			12	21.92	21.71	21.68	
			24	21.79	21.49	21.60	
		12	0	20.64	20.51	20.61	21.00
			6	20.64	20.51	20.60	
			13	20.67	20.57	20.63	
	25	0	20.61	20.58	20.65	21.00	
	10	QPSK	1	0	22.84	22.94	22.56
24				23.06	22.77	22.79	
49				22.90	22.59	22.69	
25			0	21.84	21.58	21.65	22.00
			12	21.85	21.58	21.65	
			25	21.78	21.69	21.65	
50		0	21.79	21.61	21.68	22.00	
16QAM		1	0	21.81	21.76	21.65	22.00
			24	21.96	21.52	21.87	
			49	21.86	21.49	21.80	
		25	0	20.76	20.68	20.59	21.00
			12	20.80	20.65	20.58	
			25	20.76	20.77	20.59	
50		0	20.77	20.65	20.56	21.00	

Appendix A:Conducted Power Measurement Results-LTE

15	QPSK	1	0	22.76	22.81	22.61	23.00	
			38	22.90	22.98	22.64		
			74	22.82	22.51	22.43		
		38	0	21.81	21.19	21.65	22.50	
			18	21.96	21.42	21.72		
			37	22.00	21.38	21.74		
		75	0	21.95	21.62	22.05	22.50	
		16QAM	1	0	21.83	21.67	21.58	22.50
				38	21.96	21.59	21.73	
	74			22.00	21.33	21.69		
	38		0	21.83	21.20	21.60	22.50	
			18	21.96	21.41	21.75		
			37	22.01	21.35	21.85		
	75	0	20.84	20.62	20.96	21.00		
	20	QPSK	1	0	22.68	22.57	22.90	23.50
49				23.13	23.04	22.82		
99				22.78	22.72	22.80		
50			0	21.91	21.85	21.62	22.00	
			25	21.92	21.71	21.68		
			50	21.74	21.71	21.98		
100			0	21.87	21.61	21.89	22.00	
16QAM			1	0	21.61	21.66	21.43	22.50
				49	22.13	22.10	21.77	
		99		21.90	21.74	21.50		
		50	0	20.86	20.75	20.65	21.00	
			25	20.89	20.63	20.66		
			50	20.76	20.83	20.87		
100		0	20.81	20.65	20.98	21.00		

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	24.46	24.36	23.83	25.00
			2	24.62	24.51	24.03	
			5	24.50	24.35	23.86	
		3	0	24.52	24.45	23.99	25.00
			1	24.52	24.45	24.07	
			3	24.58	24.48	23.99	
	6	0	23.58	23.44	22.96	24.00	
	16QAM	1	0	23.38	23.49	23.00	24.00
			2	23.52	23.64	23.28	
			5	23.38	23.46	23.04	
		3	0	23.35	23.35	22.95	23.50
			1	23.36	23.36	22.95	
			3	23.33	23.35	22.94	
	6	0	22.55	22.32	22.03	23.00	
	3	QPSK	1	0	24.50	24.50	24.01
8				24.53	24.48	24.06	
14				24.50	24.44	24.03	
8			0	23.53	23.49	23.13	24.00
			4	23.52	23.52	23.13	
			7	23.53	23.49	23.10	
15		0	23.48	23.46	23.10	23.50	
16QAM		1	0	23.61	23.38	23.25	24.00
			8	23.61	23.37	23.24	
			14	23.57	23.34	23.25	
		8	0	22.48	22.51	22.19	23.00
			4	22.49	22.50	22.18	
			7	22.52	22.48	22.14	
15		0	22.37	22.37	22.12	22.50	
5		QPSK	1	0	24.36	24.44	23.98
	12			24.57	24.54	24.12	
	24			24.38	24.41	24.02	
	12		0	23.45	23.43	23.16	23.50
			6	23.44	23.44	23.16	
			13	23.44	23.42	23.04	
	25	0	23.44	23.47	23.10	23.50	
	16QAM	1	0	23.54	23.41	23.00	24.00
			12	23.72	23.50	23.18	
			24	23.60	23.34	23.06	
		12	0	22.43	22.48	22.14	22.50
			6	22.44	22.43	22.14	
			13	22.45	22.44	22.02	
	25	0	22.44	22.48	22.15	22.50	
	10	QPSK	1	0	24.44	24.41	23.94
24				24.55	24.46	24.04	
49				24.44	24.25	23.92	
25			0	23.49	23.45	23.08	24.00
			12	23.50	23.46	23.15	
			25	23.47	23.43	22.94	
50		0	23.45	23.42	23.04	23.50	
16QAM		1	0	23.31	23.60	23.09	24.00
			24	23.48	23.65	23.30	
			49	23.30	23.46	23.21	
		25	0	22.54	22.48	22.11	23.00
			12	22.52	22.46	22.10	
			25	22.50	22.40	21.92	
50		0	22.47	22.40	21.99	22.50	

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	21.30	21.56	21.88	22.50	
			12	21.39	21.69	22.05		
			24	21.35	21.64	22.05		
		12	0	20.28	20.62	21.02	21.50	
			6	20.26	20.60	21.00		
			13	20.34	20.61	21.00		
		25	0	20.34	20.61	21.01	21.50	
		16QAM	1	0	20.45	20.53	20.83	21.50
				12	20.55	20.65	21.01	
	24			20.50	20.59	21.03		
	12		0	19.32	19.65	20.00	20.50	
			6	19.34	19.62	20.01		
			13	19.42	19.57	19.98		
	25	0	19.36	19.67	20.05	20.50		
	10	QPSK	1	0	21.30	21.56	21.89	22.50
24				21.49	21.78	22.02		
49				21.38	21.73	22.04		
25			0	20.31	20.69	21.08	21.50	
			12	20.31	20.71	21.10		
			25	20.56	20.72	20.99		
50			0	20.45	20.73	21.06	21.50	
16QAM			1	0	20.46	20.48	20.97	21.50
				24	20.61	20.71	21.18	
		49		20.52	20.61	21.26		
		25	0	19.35	19.78	20.05	20.50	
			12	19.38	19.79	20.07		
			25	19.61	19.78	20.00		
50		0	19.52	19.76	20.03	20.50		
15		QPSK	1	0	21.21	21.46	21.72	22.00
	38			21.31	21.66	21.93		
	74			21.25	21.66	21.95		
	38		0	20.50	20.32	20.84	21.50	
			18	20.58	20.51	21.01		
			37	20.53	20.48	21.13		
	75		0	20.41	20.73	21.02	21.50	
	16QAM		1	0	20.47	20.32	20.83	21.50
				38	20.57	20.53	20.99	
		74		20.51	20.51	21.12		
		38	0	20.45	20.32	20.83	21.50	
			18	20.60	20.54	20.98		
			37	20.54	20.48	21.09		
	75	0	19.47	19.71	19.91	20.00		
	20	QPSK	1	0	21.14	21.11	21.60	22.50
49				21.42	21.65	22.10		
99				21.15	21.41	21.90		
50			0	20.02	20.69	20.66	21.00	
			25	20.04	20.67	20.66		
			50	20.49	20.63	20.70		
100			0	20.35	20.68	20.67	21.00	
16QAM			1	0	20.23	20.17	20.60	21.00
				49	20.63	20.70	20.98	
		99		20.21	20.50	20.89		
		50	0	19.10	19.75	19.65	20.00	
			25	19.09	19.73	19.66		
			50	19.55	19.73	19.72		
100		0	19.36	19.71	19.68	20.00		

Appendix A:Conducted Power Measurement Results-LTE

LTE-FDD Band 12				Conducted Power (dBm)			Tune-up Limit(dBm)
Band-width(MHz)	Modulation	RB allocation	RB offset	Low	Middle	High	
1.4	QPSK	1	0	23.97	23.94	23.91	24.50
			2	24.19	24.04	24.04	
			5	23.93	23.93	23.87	
		3	0	24.09	24.03	23.78	24.50
			1	24.08	23.95	23.86	
			3	24.04	24.07	23.63	
	6	0	23.04	22.96	22.68	23.50	
	16QAM	1	0	23.08	23.12	23.04	23.50
			2	23.15	23.22	23.19	
			5	23.10	23.09	22.93	
		3	0	22.92	22.95	22.55	23.00
			1	22.92	22.90	22.63	
			3	22.88	22.86	22.62	
	6	0	21.97	21.89	21.63	22.00	
	3	QPSK	1	0	24.16	24.18	24.11
8				24.10	24.09	24.10	
14				24.10	24.11	24.10	
8			0	23.18	23.11	23.18	23.50
			4	23.14	23.17	23.14	
			7	23.14	23.11	23.14	
15		0	23.13	23.09	23.13	23.50	
16QAM		1	0	23.34	23.34	22.94	23.50
			8	23.27	23.20	22.94	
			14	23.27	23.25	23.00	
		8	0	22.26	22.22	22.19	22.50
			4	22.27	22.23	22.18	
			7	22.28	22.20	22.18	
15		0	22.19	22.11	22.06	22.50	
5		QPSK	1	0	24.04	24.06	23.94
	12			24.08	24.11	24.00	
	24			24.06	24.00	23.92	
	12		0	23.10	23.05	23.07	23.50
			6	23.09	23.03	23.08	
			13	22.96	23.05	22.90	
	25	0	23.00	23.04	23.00	23.50	
	16QAM	1	0	23.22	23.01	22.94	23.50
			12	23.24	23.12	23.02	
			24	23.26	23.02	22.91	
		12	0	22.17	22.17	22.10	22.50
			6	22.16	22.16	22.13	
			13	22.12	22.19	21.95	
	25	0	22.09	22.24	22.08	22.50	
	10	QPSK	1	0	24.02	24.05	24.00
24				24.22	24.16	24.11	
49				24.00	24.04	23.97	
25			0	23.26	23.21	22.98	23.50
			12	23.27	23.23	22.96	
			25	23.12	23.15	22.94	
50		0	23.21	23.15	22.95	23.50	
16QAM		1	0	23.17	22.93	23.24	23.50
			24	23.27	23.07	23.26	
			49	23.19	22.94	23.17	
		25	0	22.40	22.34	22.08	22.50
			12	22.39	22.33	22.04	
			25	22.23	22.27	22.01	
50		0	22.29	22.24	22.02	22.50	

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	24.08	24.07	24.04	24.50	
			12	24.20	24.13	24.18		
			24	24.09	23.97	24.00		
		12	0	23.12	23.01	23.13	23.50	
			6	23.16	23.03	22.98		
			13	23.16	23.06	23.03		
		25	0	23.13	23.02	22.93	23.50	
		16QAM	1	0	23.11	23.06	23.21	23.50
				12	23.19	23.10	23.37	
	24			23.11	22.98	23.17		
	12		0	22.19	22.03	22.25	22.50	
			6	22.28	22.04	21.97		
			13	22.24	22.07	22.03		
	25	0	22.29	22.14	22.01	22.50		
	10	QPSK	1	0	24.12	24.10	24.21	24.50
24				24.25	24.30	24.30		
49				24.17	24.20	24.20		
25			0	23.22	23.15	23.13	23.50	
			12	23.21	23.12	23.13		
			25	23.18	23.09	23.11		
50			0	23.17	23.09	23.10	23.50	
16QAM			1	0	23.35	23.30	23.10	23.50
				24	23.49	23.42	23.20	
		49		23.39	23.39	23.09		
		25	0	22.29	22.23	22.23	22.50	
			12	22.30	22.23	22.24		
			25	22.29	22.20	22.25		
		50	0	22.26	22.17	22.17	22.50	

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	15.38	12.93	13.50
	6	2437	15.60	13.17	13.50
	11	2462	15.11	12.70	13.50
802.11g 6Mbps	1	2412	15.49	13.06	13.50
	6	2437	15.72	13.16	13.50
	11	2462	15.35	12.76	13.50
802.11n (HT20) MCS0	1	2412	15.44	12.76	13.50
	6	2437	15.65	13.12	13.50
	11	2462	15.21	12.60	13.50

Bluetooth						
Mode		Channel	Frequency (MHz)	Peak Power (dBm)	Average Power (dBm)	Tune-up limit (dBm)
EDR	GFSK	0	2402	6.86	6.84	7.00
		39	2441	6.18	6.17	7.00
		78	2480	7.46	7.44	7.50
	$\pi/4$ QPSK	0	2402	6.02	5.95	6.00
		39	2441	5.70	5.64	6.00
		78	2480	7.00	6.93	7.00
	8DPSK	0	2402	6.03	5.96	6.00
		39	2441	5.68	5.62	6.00
		78	2480	7.01	6.92	7.00
BLE	GFSK	0	2402	-5.80	-5.88	-5.00
		19	2440	-5.68	-5.78	-5.00
		39	2480	-5.85	-5.95	-5.00