



Appendix B. Test Results of Radiated Test

ERP/EIRP

LTE Band 2 / 1.4MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	0	22.14	0.1637	21.16	0.1306
Middle		3	0	22.45	0.1758	21.82	0.1521
Highest		3	0	22.60	0.1820	22.02	0.1592
Lowest	16QAM	3	0	21.09	0.1285	20.00	0.1000
Middle		3	0	21.52	0.1419	20.84	0.1213
Highest		3	0	21.61	0.1449	21.02	0.1265
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	14	22.32	0.1706	21.13	0.1297
Middle		1	14	22.45	0.1758	21.72	0.1486
Highest		1	14	22.65	0.1841	21.94	0.1563
Lowest	16QAM	1	8	21.01	0.1262	19.97	0.0993
Middle		1	8	21.40	0.1380	20.51	0.1125
Highest		1	8	21.44	0.1393	20.83	0.1211
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 5MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	22.56	0.1803	21.15	0.1303
Middle		1	12	22.95	0.1972	21.56	0.1432
Highest		1	12	22.82	0.1914	22.23	0.1671
Lowest	16QAM	1	12	21.47	0.1403	20.01	0.1002
Middle		1	12	21.85	0.1531	20.51	0.1125
Highest		1	12	21.74	0.1493	21.10	0.1288
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 10MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	22.62	0.1828	21.11	0.1291
Middle		1	49	23.03	0.2009	21.84	0.1528
Highest		1	49	23.08	0.2032	21.95	0.1567
Lowest	16QAM	1	49	21.57	0.1435	20.08	0.1019
Middle		1	49	21.89	0.1545	20.75	0.1189
Highest		1	49	22.06	0.1607	20.89	0.1227
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	74	22.39	0.1734	21.25	0.1334
Middle		1	74	22.62	0.1828	21.86	0.1535
Highest		1	74	22.44	0.1754	21.98	0.1578
Lowest	16QAM	1	74	21.33	0.1358	20.20	0.1047
Middle		1	74	21.42	0.1387	20.69	0.1172
Highest		1	74	21.35	0.1365	20.77	0.1194
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	99	22.72	0.1871	21.47	0.1403
Middle		1	99	22.89	0.1945	21.92	0.1556
Highest		1	99	23.01	0.2000	22.08	0.1614
Lowest	16QAM	1	99	21.48	0.1406	20.29	0.1069
Middle		1	99	21.70	0.1479	20.85	0.1216
Highest		1	99	21.95	0.1567	20.93	0.1239
Limit	EIRP < 2W			Result		PASS	



LTE Band 4 / 1.4MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	1	21.48	0.1406	22.41	0.1742
Middle		3	1	21.72	0.1486	22.30	0.1698
Highest		3	1	21.93	0.1560	22.24	0.1675
Lowest	16QAM	1	0	20.40	0.1096	21.42	0.1387
Middle		1	0	20.65	0.1161	21.28	0.1343
Highest		1	0	20.89	0.1227	21.36	0.1368
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	14	21.53	0.1422	22.37	0.1726
Middle		1	14	21.71	0.1483	22.32	0.1706
Highest		1	14	21.92	0.1556	22.30	0.1698
Lowest	16QAM	1	14	20.53	0.1130	21.32	0.1355
Middle		1	14	20.72	0.1180	21.33	0.1358
Highest		1	14	20.98	0.1253	21.16	0.1306
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	21.78	0.1507	22.31	0.1702
Middle		1	12	21.86	0.1535	22.28	0.1690
Highest		1	12	22.30	0.1698	22.27	0.1687
Lowest	16QAM	1	12	20.79	0.1199	21.30	0.1349
Middle		1	12	20.77	0.1194	21.21	0.1321
Highest		1	12	21.39	0.1377	21.20	0.1318
Limit	EIRP < 1W			Result		PASS	



LTE Band 4 / 10MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.51	0.1416	22.40	0.1738
Middle		1	0	21.66	0.1466	22.29	0.1694
Highest		1	0	22.02	0.1592	22.27	0.1687
Lowest	16QAM	1	0	20.40	0.1096	21.39	0.1377
Middle		1	0	20.64	0.1159	21.24	0.1330
Highest		1	0	20.96	0.1247	21.18	0.1312
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.55	0.1429	22.40	0.1738
Middle		1	0	21.66	0.1466	22.31	0.1702
Highest		1	0	22.07	0.1611	22.23	0.1671
Lowest	16QAM	1	0	20.46	0.1112	21.41	0.1384
Middle		1	0	20.77	0.1194	21.27	0.1340
Highest		1	0	21.00	0.1259	21.05	0.1274
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.55	0.1429	22.36	0.1722
Middle		1	0	21.73	0.1489	22.31	0.1702
Highest		1	0	21.82	0.1521	22.20	0.1660
Lowest	16QAM	1	0	20.57	0.1140	21.42	0.1387
Middle		1	0	20.77	0.1194	21.32	0.1355
Highest		1	0	20.88	0.1225	21.04	0.1271
Limit	EIRP < 1W			Result		PASS	



LTE Band 5 / 1.4MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	5	10.97	0.0125	19.10	0.0813
Middle		1	5	11.29	0.0135	18.96	0.0787
Highest		1	5	11.80	0.0151	18.82	0.0762
Lowest	16QAM	3	3	10.05	0.0101	18.15	0.0653
Middle		3	3	10.26	0.0106	17.99	0.0630
Highest		3	3	10.83	0.0121	17.76	0.0597
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	14	10.85	0.0122	19.05	0.0804
Middle		1	14	11.06	0.0128	18.88	0.0773
Highest		1	14	11.66	0.0147	18.71	0.0743
Lowest	16QAM	1	0	9.82	0.0096	18.01	0.0632
Middle		1	0	10.03	0.0101	17.92	0.0619
Highest		1	0	10.46	0.0111	17.81	0.0604
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 5MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	10.70	0.0117	19.04	0.0802
Middle		1	0	11.03	0.0127	18.82	0.0762
Highest		1	0	11.52	0.0142	19.09	0.0811
Lowest	16QAM	1	0	9.74	0.0094	17.98	0.0628
Middle		1	0	9.89	0.0097	17.89	0.0615
Highest		1	0	10.44	0.0111	17.96	0.0625
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 10MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	10.82	0.0121	19.07	0.0807
Middle		1	0	10.89	0.0123	18.86	0.0769
Highest		1	0	11.30	0.0135	18.99	0.0793
Lowest	16QAM	1	0	9.68	0.0093	17.88	0.0614
Middle		1	0	9.85	0.0097	17.83	0.0607
Highest		1	0	10.08	0.0102	17.80	0.0603
Limit	ERP < 7W			Result		PASS	



LTE Band 7 / 5MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	24	22.07	0.1611	25.27	0.3365
Middle		1	24	22.58	0.1811	25.67	0.3690
Highest		1	24	23.18	0.2080	25.56	0.3597
Lowest	16QAM	1	12	21.26	0.1337	24.15	0.2600
Middle		1	12	21.92	0.1556	24.49	0.2812
Highest		1	12	21.99	0.1581	24.57	0.2864
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 10MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	22.42	0.1746	25.43	0.3491
Middle		1	49	22.89	0.1945	25.81	0.3811
Highest		1	49	23.31	0.2143	25.46	0.3516
Lowest	16QAM	1	49	21.36	0.1368	24.43	0.2773
Middle		1	49	21.78	0.1507	24.66	0.2924
Highest		1	49	22.05	0.1603	24.69	0.2944
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 15MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	37	22.50	0.1778	25.33	0.3412
Middle		1	37	23.00	0.1995	25.59	0.3622
Highest		1	37	23.21	0.2094	25.76	0.3767
Lowest	16QAM	1	74	21.36	0.1368	24.32	0.2704
Middle		1	74	21.78	0.1507	24.75	0.2985
Highest		1	74	21.67	0.1469	24.72	0.2965
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 20MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	22.46	0.1762	25.40	0.3467
Middle		1	49	22.79	0.1901	25.61	0.3639
Highest		1	49	23.19	0.2084	25.75	0.3758
Lowest	16QAM	1	99	21.60	0.1445	24.51	0.2825
Middle		1	99	22.03	0.1596	24.68	0.2938
Highest		1	99	22.23	0.1671	24.51	0.2825
Limit	EIRP < 2W			Result		PASS	



LTE Band 38 / 5MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	24	21.94	0.1563	25.03	0.3184
Middle		1	24	21.68	0.1472	24.70	0.2951
Highest		1	24	21.52	0.1419	24.49	0.2812
Lowest	16QAM	1	0	20.99	0.1256	24.16	0.2606
Middle		1	0	21.08	0.1282	24.12	0.2582
Highest		1	0	20.73	0.1183	23.70	0.2344
Limit	EIRP < 2W			Result		PASS	

LTE Band 38 / 10MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	22.77	0.1892	25.08	0.3221
Middle		1	49	22.43	0.1750	24.65	0.2917
Highest		1	49	22.19	0.1656	24.44	0.2780
Lowest	16QAM	1	0	21.17	0.1309	24.16	0.2606
Middle		1	0	21.24	0.1330	24.16	0.2606
Highest		1	0	21.16	0.1306	23.94	0.2477
Limit	EIRP < 2W			Result		PASS	

LTE Band 38 / 15MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	74	22.02	0.1592	24.89	0.3083
Middle		1	74	21.68	0.1472	24.43	0.2773
Highest		1	74	21.49	0.1409	24.37	0.2735
Lowest	16QAM	1	74	21.42	0.1387	24.33	0.2710
Middle		1	74	21.02	0.1265	23.80	0.2399
Highest		1	74	20.90	0.1230	23.77	0.2382
Limit	EIRP < 2W			Result		PASS	

LTE Band 38 / 20MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	99	22.66	0.1845	24.97	0.3141
Middle		1	99	22.35	0.1718	24.45	0.2786
Highest		1	99	22.06	0.1607	24.31	0.2698
Lowest	16QAM	1	99	22.00	0.1585	24.31	0.2698
Middle		1	99	21.70	0.1479	23.73	0.2360
Highest		1	99	21.41	0.1384	23.72	0.2355
Limit	EIRP < 2W			Result		PASS	