

APPENDIX B – TEST DATA OF RADIATED EMISSION

LTE band 2

Test result:

band	Modulation	BW (MHz)	Channel	RB/ RB offset	EIRP/ERP (dBm)	EIRP/ERP (W)
Band2	QPSK	1.4	18607	1#0	22.65	0.184
Band2	QPSK	1.4	18900	1#0	22.63	0.183
Band2	QPSK	1.4	19193	1#0	22.58	0.181
Band2	16QAM	1.4	18607	1#0	22.34	0.171
Band2	16QAM	1.4	18900	1#0	22.37	0.173
Band2	16QAM	1.4	19193	1#0	22.40	0.174
Band2	64QAM	1.4	18607	1#0	22.38	0.173
Band2	64QAM	1.4	18900	1#0	22.40	0.174
Band2	64QAM	1.4	19193	1#0	22.38	0.173
Band2	QPSK	3	18615	1#0	22.73	0.187
Band2	QPSK	3	18900	1#0	22.69	0.186
Band2	QPSK	3	19185	1#0	22.70	0.186
Band2	16QAM	3	18615	1#0	22.42	0.175
Band2	16QAM	3	18900	1#0	22.43	0.175
Band2	16QAM	3	19185	1#0	22.52	0.179
Band2	64QAM	3	18615	1#0	22.46	0.176
Band2	64QAM	3	18900	1#0	22.46	0.176
Band2	64QAM	3	19185	1#0	22.50	0.178
Band2	QPSK	5	18625	1#0	22.77	0.189
Band2	QPSK	5	18900	1#0	22.74	0.188
Band2	QPSK	5	19175	1#0	22.66	0.185
Band2	16QAM	5	18625	1#0	22.46	0.176
Band2	16QAM	5	18900	1#0	22.48	0.177
Band2	16QAM	5	19175	1#0	22.48	0.177
Band2	64QAM	5	18625	1#0	22.50	0.178
Band2	64QAM	5	18900	1#0	22.51	0.178
Band2	64QAM	5	19175	1#0	22.46	0.176
Band2	QPSK	10	18650	1#0	22.81	0.191
Band2	QPSK	10	18900	1#0	22.71	0.187
Band2	QPSK	10	19150	1#0	22.74	0.188
Band2	16QAM	10	18650	1#0	22.50	0.178
Band2	16QAM	10	18900	1#0	22.45	0.176
Band2	16QAM	10	19150	1#0	22.56	0.180
Band2	64QAM	10	18650	1#0	22.54	0.179
Band2	64QAM	10	18900	1#0	22.48	0.177
Band2	64QAM	10	19150	1#0	22.54	0.179
Band2	QPSK	15	18675	1#0	22.87	0.194
Band2	QPSK	15	18900	1#0	22.77	0.189
Band2	QPSK	15	19125	1#0	22.75	0.188
Band2	16QAM	15	18675	1#0	22.54	0.179

Band2	16QAM	15	18900	1#0	22.53	0.179
Band2	16QAM	15	19125	1#0	22.59	0.182
Band2	64QAM	15	18675	1#0	22.60	0.182
Band2	64QAM	15	18900	1#0	22.53	0.179
Band2	64QAM	15	19125	1#0	22.57	0.181
Band2	QPSK	20	18700	1#0	22.98	0.199
Band2	QPSK	20	18900	1#0	22.90	0.195
Band2	QPSK	20	19100	1#0	22.89	0.195
Band2	16QAM	20	18700	1#0	22.67	0.185
Band2	16QAM	20	18900	1#0	22.64	0.184
Band2	16QAM	20	19100	1#0	22.71	0.187
Band2	64QAM	20	18700	1#0	22.71	0.187
Band2	64QAM	20	18900	1#0	22.67	0.185
Band2	64QAM	20	19100	1#0	22.69	0.186

Test result:

Channel 18700

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2461.02	-48.89	-13	Vertical
2780.35	-47.70	-13	Vertical
3727.35	-40.55	-13	Vertical
6676.48	-39.57	-13	Horizontal
9962.84	-36.90	-13	Vertical
17819.92	-34.04	-13	Vertical

Channel 18900

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.09	-49.44	-13	Vertical
2778.24	-47.19	-13	Horizontal
3726.99	-40.72	-13	Horizontal
6676.57	-40.13	-13	Vertical
9963.18	-37.32	-13	Vertical
17821.44	-33.48	-13	Vertical

Channel 19100

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.60	-49.28	-13	Vertical
2779.80	-47.75	-13	Vertical
3726.22	-41.19	-13	Vertical
6676.41	-39.73	-13	Vertical
9961.98	-37.35	-13	Horizontal
17820.69	-33.94	-13	Vertical

LTE band 4

Test result:

band	Modulation	BW (MHz)	Channel	RB/ RB offset	EIRP/ERP (dBm)	EIRP/ERP (W)
Band4	QPSK	1.4	19957	1#0	22.50	0.178
Band4	QPSK	1.4	20175	1#0	22.56	0.180
Band4	QPSK	1.4	20393	1#0	22.56	0.180
Band4	16QAM	1.4	19957	1#0	22.40	0.174
Band4	16QAM	1.4	20175	1#0	22.43	0.175
Band4	16QAM	1.4	20393	1#0	22.46	0.176
Band4	64QAM	1.4	19957	1#0	22.36	0.172
Band4	64QAM	1.4	20175	1#0	22.36	0.172
Band4	64QAM	1.4	20393	1#0	22.38	0.173
Band4	QPSK	3	19965	1#0	22.54	0.179
Band4	QPSK	3	20175	1#0	22.63	0.183
Band4	QPSK	3	20385	1#0	22.62	0.183
Band4	16QAM	3	19965	1#0	22.44	0.175
Band4	16QAM	3	20175	1#0	22.50	0.178
Band4	16QAM	3	20385	1#0	22.52	0.179
Band4	64QAM	3	19965	1#0	22.40	0.174
Band4	64QAM	3	20175	1#0	22.43	0.175
Band4	64QAM	3	20385	1#0	22.44	0.175
Band4	QPSK	5	19975	1#0	22.65	0.184
Band4	QPSK	5	20175	1#0	22.69	0.186
Band4	QPSK	5	20375	1#0	22.66	0.185
Band4	16QAM	5	19975	1#0	22.55	0.180
Band4	16QAM	5	20175	1#0	22.56	0.180
Band4	16QAM	5	20375	1#0	22.56	0.180
Band4	64QAM	5	19975	1#0	22.51	0.178
Band4	64QAM	5	20175	1#0	22.49	0.177
Band4	64QAM	5	20375	1#0	22.48	0.177
Band4	QPSK	10	20000	1#0	22.70	0.186
Band4	QPSK	10	20175	1#0	22.74	0.188
Band4	QPSK	10	20350	1#0	22.76	0.189
Band4	16QAM	10	20000	1#0	22.60	0.182
Band4	16QAM	10	20175	1#0	22.61	0.182
Band4	16QAM	10	20350	1#0	22.66	0.185
Band4	64QAM	10	20000	1#0	22.56	0.180
Band4	64QAM	10	20175	1#0	22.54	0.179
Band4	64QAM	10	20350	1#0	22.58	0.181
Band4	QPSK	15	20025	1#0	22.75	0.188
Band4	QPSK	15	20175	1#0	22.73	0.187
Band4	QPSK	15	20325	1#0	22.80	0.191
Band4	16QAM	15	20025	1#0	22.65	0.184
Band4	16QAM	15	20175	1#0	22.60	0.182

Band4	16QAM	15	20325	1#0	22.70	0.186
Band4	64QAM	15	20025	1#0	22.70	0.186
Band4	64QAM	15	20175	1#0	22.53	0.179
Band4	64QAM	15	20325	1#0	22.62	0.183
Band4	QPSK	20	20050	1#0	22.87	0.194
Band4	QPSK	20	20175	1#0	22.88	0.194
Band4	QPSK	20	20300	1#0	22.89	0.195
Band4	16QAM	20	20050	1#0	22.77	0.189
Band4	16QAM	20	20175	1#0	22.75	0.188
Band4	16QAM	20	20300	1#0	22.79	0.190
Band4	64QAM	20	20050	1#0	22.73	0.187
Band4	64QAM	20	20175	1#0	22.68	0.185
Band4	64QAM	20	20300	1#0	22.71	0.187

Test result:

Channel 20050

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.58	-49.21	-13	Vertical
2778.98	-47.40	-13	Vertical
3725.75	-40.52	-13	Vertical
6676.64	-39.56	-13	Horizontal
9962.92	-37.20	-13	Vertical
17819.99	-33.57	-13	Vertical

Channel 20175

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2457.88	-49.26	-13	Vertical
2778.65	-47.81	-13	Vertical
3728.03	-41.30	-13	Horizontal
6678.42	-39.16	-13	Vertical
9960.99	-37.71	-13	Vertical
17819.99	-33.75	-13	Vertical

Channel 20300

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.80	-48.66	-13	Vertical
2780.24	-47.30	-13	Horizontal
3725.46	-40.83	-13	Vertical
6678.23	-39.60	-13	Vertical
9962.14	-37.20	-13	Vertical
17818.98	-34.21	-13	Vertical

LTE band 5
Test result:

band	Modulation	BW (MHz)	Channel	RB/ RB offset	EIRP/ERP (dBm)	EIRP/ERP (W)
Band5	QPSK	1.4	20407	1#0	22.63	0.183
Band5	QPSK	1.4	20525	1#0	22.50	0.178
Band5	QPSK	1.4	20643	1#0	22.52	0.179
Band5	16QAM	1.4	20407	1#0	22.02	0.159
Band5	16QAM	1.4	20525	1#0	22.19	0.166
Band5	16QAM	1.4	20643	1#0	22.07	0.161
Band5	64QAM	1.4	20407	1#0	22.02	0.159
Band5	64QAM	1.4	20525	1#0	22.19	0.166
Band5	64QAM	1.4	20643	1#0	22.06	0.161
Band5	QPSK	3	20415	1#0	22.60	0.182
Band5	QPSK	3	20525	1#0	22.47	0.177
Band5	QPSK	3	20635	1#0	22.47	0.177
Band5	16QAM	3	20415	1#0	22.00	0.158
Band5	16QAM	3	20525	1#0	22.17	0.165
Band5	16QAM	3	20635	1#0	22.09	0.162
Band5	64QAM	3	20415	1#0	22.01	0.159
Band5	64QAM	3	20525	1#0	22.18	0.165
Band5	64QAM	3	20635	1#0	22.06	0.161
Band5	QPSK	5	20425	1#0	22.62	0.183
Band5	QPSK	5	20525	1#0	22.49	0.177
Band5	QPSK	5	20625	1#0	22.50	0.178
Band5	16QAM	5	20425	1#0	22.03	0.160
Band5	16QAM	5	20525	1#0	22.20	0.166
Band5	16QAM	5	20625	1#0	22.07	0.161
Band5	64QAM	5	20425	1#0	22.01	0.159
Band5	64QAM	5	20525	1#0	22.21	0.166
Band5	64QAM	5	20625	1#0	22.12	0.163
Band5	QPSK	10	20450	1#0	22.65	0.184
Band5	QPSK	10	20525	1#0	22.52	0.179
Band5	QPSK	10	20600	1#0	22.54	0.179
Band5	16QAM	10	20450	1#0	22.07	0.161
Band5	16QAM	10	20525	1#0	22.24	0.167
Band5	16QAM	10	20600	1#0	22.12	0.163
Band5	64QAM	10	20450	1#0	22.06	0.161
Band5	64QAM	10	20525	1#0	22.23	0.167
Band5	64QAM	10	20600	1#0	22.14	0.164

Test result:

Channel 20450

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1650.22	-53.13	-13	Vertical
1667.54	-50.78	-13	Vertical
2535.71	-44.39	-13	Vertical
2577.80	-44.12	-13	Horizontal
8964.03	-39.17	-13	Vertical
9972.16	-36.54	-13	Vertical

Channel 20525

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1646.52	-53.00	-13	Vertical
1668.20	-51.27	-13	Vertical
2532.81	-43.85	-13	Horizontal
2575.68	-44.30	-13	Horizontal
8964.06	-39.45	-13	Vertical
9970.95	-36.19	-13	Vertical

Channel 20600

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1647.36	-53.23	-13	Vertical
1665.78	-51.55	-13	Vertical
2534.32	-44.70	-13	Horizontal
2578.35	-44.37	-13	Vertical
8961.19	-39.91	-13	Vertical
9972.02	-36.79	-13	Vertical

LTE band 7
Test result:

band	Modulation	BW (MHz)	Channel	RB/ RB offset	EIRP/ERP (dBm)	EIRP/ERP (W)
Band7	QPSK	5	20775	1#0	22.49	0.177
Band7	QPSK	5	21100	1#0	22.60	0.182
Band7	QPSK	5	21425	1#0	22.55	0.180
Band7	16QAM	5	20775	1#0	22.45	0.176
Band7	16QAM	5	21100	1#0	22.50	0.178
Band7	16QAM	5	21425	1#0	22.50	0.178
Band7	64QAM	5	20775	1#0	22.48	0.177
Band7	64QAM	5	21100	1#0	22.55	0.180
Band7	64QAM	5	21425	1#0	22.50	0.178
Band7	QPSK	10	20800	1#0	22.63	0.183
Band7	QPSK	10	21100	1#0	22.71	0.187
Band7	QPSK	10	21400	1#0	22.68	0.185
Band7	16QAM	10	20800	1#0	22.59	0.182
Band7	16QAM	10	21100	1#0	22.61	0.182
Band7	16QAM	10	21400	1#0	22.63	0.183
Band7	64QAM	10	20800	1#0	22.62	0.183
Band7	64QAM	10	21100	1#0	22.66	0.185
Band7	64QAM	10	21400	1#0	22.63	0.183
Band7	QPSK	15	20825	1#0	22.39	0.173
Band7	QPSK	15	21100	1#0	22.50	0.178
Band7	QPSK	15	21375	1#0	22.49	0.177
Band7	16QAM	15	20825	1#0	22.35	0.172
Band7	16QAM	15	21100	1#0	22.40	0.174
Band7	16QAM	15	21375	1#0	22.44	0.175
Band7	64QAM	15	20825	1#0	22.38	0.173
Band7	64QAM	15	21100	1#0	22.45	0.176
Band7	64QAM	15	21375	1#0	22.44	0.175
Band7	QPSK	20	20850	1#0	22.45	0.176
Band7	QPSK	20	21100	1#0	22.57	0.181
Band7	QPSK	20	21350	1#0	22.51	0.178
Band7	16QAM	20	20850	1#0	22.41	0.174
Band7	16QAM	20	21100	1#0	22.47	0.177
Band7	16QAM	20	21350	1#0	22.46	0.176
Band7	64QAM	20	20850	1#0	22.44	0.175
Band7	64QAM	20	21100	1#0	22.52	0.179
Band7	64QAM	20	21350	1#0	22.46	0.176

Test result:

Channel 20850

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.04	-49.18	-13	Vertical
2781.53	-47.49	-13	Vertical
3724.95	-40.85	-13	Vertical
6675.34	-40.14	-13	Horizontal
9961.13	-37.24	-13	Vertical
17820.28	-33.71	-13	Vertical

Channel 21100

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.35	-49.30	-13	Vertical
2781.48	-47.71	-13	Vertical
3725.48	-40.50	-13	Horizontal
6676.30	-39.45	-13	Horizontal
9961.37	-37.54	-13	Vertical
17822.14	-34.18	-13	Vertical

Channel 21350

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.01	-48.70	-13	Vertical
2779.45	-47.62	-13	Vertical
3725.18	-41.35	-13	Horizontal
6678.85	-39.99	-13	Vertical
9961.61	-37.03	-13	Vertical
17819.29	-33.50	-13	Vertical

LTE band 12

Test result:

band	Modulation	BW (MHz)	Channel	RB/ RB offset	EIRP/ERP (dBm)	EIRP/ERP (W)
Band12	QPSK	1.4	23017	1#0	22.41	0.174
Band12	QPSK	1.4	23095	1#0	22.33	0.171
Band12	QPSK	1.4	23173	1#0	22.42	0.175
Band12	16QAM	1.4	23017	1#0	22.35	0.172
Band12	16QAM	1.4	23095	1#0	22.26	0.168
Band12	16QAM	1.4	23173	1#0	22.38	0.173
Band12	64QAM	1.4	23017	1#0	22.24	0.167
Band12	64QAM	1.4	23095	1#0	22.25	0.168
Band12	64QAM	1.4	23173	1#0	22.34	0.171
Band12	QPSK	3	23025	1#0	22.47	0.177
Band12	QPSK	3	23095	1#0	22.39	0.173
Band12	QPSK	3	23165	1#0	22.46	0.176
Band12	16QAM	3	23025	1#0	22.41	0.174
Band12	16QAM	3	23095	1#0	22.32	0.171
Band12	16QAM	3	23165	1#0	22.42	0.175
Band12	64QAM	3	23025	1#0	22.30	0.170
Band12	64QAM	3	23095	1#0	22.31	0.170
Band12	64QAM	3	23165	1#0	22.38	0.173
Band12	QPSK	5	23035	1#0	22.50	0.178
Band12	QPSK	5	23095	1#0	22.42	0.175
Band12	QPSK	5	23155	1#0	22.48	0.177
Band12	16QAM	5	23035	1#0	22.44	0.175
Band12	16QAM	5	23095	1#0	22.35	0.172
Band12	16QAM	5	23155	1#0	22.44	0.175
Band12	64QAM	5	23035	1#0	22.33	0.171
Band12	64QAM	5	23095	1#0	22.34	0.171
Band12	64QAM	5	23155	1#0	22.40	0.174
Band12	QPSK	10	23060	1#0	22.62	0.183
Band12	QPSK	10	23095	1#0	22.56	0.180
Band12	QPSK	10	23130	1#0	22.59	0.182
Band12	16QAM	10	23060	1#0	22.56	0.180
Band12	16QAM	10	23095	1#0	22.49	0.177
Band12	16QAM	10	23130	1#0	22.55	0.180
Band12	64QAM	10	23060	1#0	22.45	0.176
Band12	64QAM	10	23095	1#0	22.48	0.177
Band12	64QAM	10	23130	1#0	22.51	0.178

Test result:

Channel 23060

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1647.27	-52.84	-13	Vertical
1665.36	-50.85	-13	Vertical
2535.75	-44.81	-13	Vertical
2576.53	-44.15	-13	Vertical
8964.41	-39.50	-13	Vertical
9970.27	-35.93	-13	Vertical

Channel 23095

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1647.15	-52.71	-13	Vertical
1666.64	-51.58	-13	Vertical
2535.61	-44.25	-13	Vertical
2577.01	-44.51	-13	Vertical
8962.94	-40.02	-13	Vertical
9973.28	-36.86	-13	Vertical

Channel 23130

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1648.47	-53.18	-13	Vertical
1664.80	-50.81	-13	Horizontal
2533.00	-44.27	-13	Vertical
2575.89	-44.54	-13	Vertical
8962.65	-39.64	-13	Vertical
9973.58	-35.99	-13	Vertical

---End of Test Report---