

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	22.85	0.193
Band2	QPSK	1.4	18900	1#0	23.27	0.212
Band2	QPSK	1.4	19193	1#0	22.44	0.175
Band2	16QAM	1.4	18607	1#0	22.08	0.161
Band2	16QAM	1.4	18900	1#0	21.97	0.157
Band2	16QAM	1.4	19193	1#0	22.14	0.164
Band2	64QAM	1.4	18607	1#0	22.59	0.182
Band2	64QAM	1.4	18900	1#0	22.40	0.174
Band2	64QAM	1.4	19193	1#0	22.16	0.164
Band2	QPSK	3	18615	1#0	23.08	0.203
Band2	QPSK	3	18900	1#0	22.71	0.187
Band2	QPSK	3	19185	1#0	22.70	0.186
Band2	16QAM	3	18615	1#0	22.33	0.171
Band2	16QAM	3	18900	1#0	22.48	0.177
Band2	16QAM	3	19185	1#0	22.51	0.178
Band2	64QAM	3	18615	1#0	21.74	0.149
Band2	64QAM	3	18900	1#0	22.79	0.190
Band2	64QAM	3	19185	1#0	22.01	0.159
Band2	QPSK	5	18625	1#0	22.99	0.199
Band2	QPSK	5	18900	1#0	23.21	0.209
Band2	QPSK	5	19175	1#0	22.48	0.177
Band2	16QAM	5	18625	1#0	22.23	0.167
Band2	16QAM	5	18900	1#0	22.53	0.179
Band2	16QAM	5	19175	1#0	21.92	0.156
Band2	64QAM	5	18625	1#0	22.36	0.172
Band2	64QAM	5	18900	1#0	22.30	0.170
Band2	64QAM	5	19175	1#0	22.57	0.181
Band2	QPSK	10	18650	1#0	22.55	0.180
Band2	QPSK	10	18900	1#0	23.44	0.221
Band2	QPSK	10	19150	1#0	22.84	0.192
Band2	16QAM	10	18650	1#0	22.68	0.185
Band2	16QAM	10	18900	1#0	22.12	0.163
Band2	16QAM	10	19150	1#0	22.17	0.165
Band2	64QAM	10	18650	1#0	22.36	0.172
Band2	64QAM	10	18900	1#0	22.08	0.161
Band2	64QAM	10	19150	1#0	21.94	0.156
Band2	QPSK	15	18675	1#0	22.66	0.184
Band2	QPSK	15	18900	1#0	23.25	0.211
Band2	QPSK	15	19125	1#0	23.36	0.217
Band2	16QAM	15	18675	1#0	22.23	0.167
Band2	16QAM	15	18900	1#0	22.76	0.189

Band2	16QAM	15	19125	1#0	22.74	0.188
Band2	64QAM	15	18675	1#0	21.89	0.155
Band2	64QAM	15	18900	1#0	22.53	0.179
Band2	64QAM	15	19125	1#0	22.50	0.178
Band2	QPSK	20	18700	1#0	23.26	0.212
Band2	QPSK	20	18900	1#0	22.69	0.186
Band2	QPSK	20	19100	1#0	22.81	0.191
Band2	16QAM	20	18700	1#0	22.40	0.174
Band2	16QAM	20	18900	1#0	22.06	0.161
Band2	16QAM	20	19100	1#0	22.50	0.178
Band2	64QAM	20	18700	1#0	22.08	0.161
Band2	64QAM	20	18900	1#0	22.36	0.172
Band2	64QAM	20	19100	1#0	21.87	0.154

Test result:

Channel 19100

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.79	-48.73	-13	Vertical
2781.65	-47.03	-13	Vertical
3725.01	-40.96	-13	Vertical
6676.65	-39.68	-13	Vertical
9961.42	-37.07	-13	Vertical
17819.05	-34.30	-13	Vertical

Channel 18900

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.23	-48.72	-13	Vertical
2781.31	-47.06	-13	Vertical
3728.21	-41.00	-13	Vertical
6675.81	-39.52	-13	Vertical
9959.85	-36.93	-13	Vertical
17820.83	-34.44	-13	Vertical

Channel 19100

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.27	-49.05	-13	Vertical
2780.01	-47.48	-13	Vertical
3725.49	-41.21	-13	Vertical
6678.81	-39.99	-13	Vertical
9960.23	-37.45	-13	Vertical
17818.62	-33.61	-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	22.64	0.184
Band4	QPSK	1.4	20175	1#0	23.46	0.222
Band4	QPSK	1.4	20393	1#0	22.59	0.181
Band4	16QAM	1.4	19957	1#0	22.50	0.178
Band4	16QAM	1.4	20175	1#0	22.36	0.172
Band4	16QAM	1.4	20393	1#0	21.74	0.149
Band4	64QAM	1.4	19957	1#0	22.49	0.178
Band4	64QAM	1.4	20175	1#0	22.72	0.187
Band4	64QAM	1.4	20393	1#0	22.62	0.183
Band4	QPSK	3	19965	1#0	23.08	0.203
Band4	QPSK	3	20175	1#0	22.48	0.177
Band4	QPSK	3	20385	1#0	23.26	0.212
Band4	16QAM	3	19965	1#0	21.77	0.150
Band4	16QAM	3	20175	1#0	21.74	0.149
Band4	16QAM	3	20385	1#0	22.67	0.185
Band4	64QAM	3	19965	1#0	21.97	0.157
Band4	64QAM	3	20175	1#0	22.27	0.169
Band4	64QAM	3	20385	1#0	22.35	0.172
Band4	QPSK	5	19975	1#0	23.23	0.211
Band4	QPSK	5	20175	1#0	23.33	0.215
Band4	QPSK	5	20375	1#0	22.51	0.178
Band4	16QAM	5	19975	1#0	22.65	0.184
Band4	16QAM	5	20175	1#0	21.76	0.150
Band4	16QAM	5	20375	1#0	22.29	0.169
Band4	64QAM	5	19975	1#0	21.96	0.157
Band4	64QAM	5	20175	1#0	22.39	0.173
Band4	64QAM	5	20375	1#0	22.43	0.175
Band4	QPSK	10	20000	1#0	23.10	0.204
Band4	QPSK	10	20175	1#0	23.27	0.212
Band4	QPSK	10	20350	1#0	23.27	0.212
Band4	16QAM	10	20000	1#0	21.77	0.150
Band4	16QAM	10	20175	1#0	21.89	0.155
Band4	16QAM	10	20350	1#0	21.92	0.155
Band4	64QAM	10	20000	1#0	22.13	0.163
Band4	64QAM	10	20175	1#0	21.96	0.157
Band4	64QAM	10	20350	1#0	22.13	0.163
Band4	QPSK	15	20025	1#0	22.63	0.183
Band4	QPSK	15	20175	1#0	22.95	0.197
Band4	QPSK	15	20325	1#0	22.84	0.192
Band4	16QAM	15	20025	1#0	22.31	0.170
Band4	16QAM	15	20175	1#0	22.40	0.174

Band4	16QAM	15	20325	1#0	22.43	0.175
Band4	64QAM	15	20025	1#0	22.41	0.174
Band4	64QAM	15	20175	1#0	22.54	0.179
Band4	64QAM	15	20325	1#0	22.60	0.182
Band4	QPSK	20	20050	1#0	22.64	0.184
Band4	QPSK	20	20175	1#0	22.76	0.189
Band4	QPSK	20	20300	1#0	23.00	0.200
Band4	16QAM	20	20050	1#0	21.90	0.155
Band4	16QAM	20	20175	1#0	21.85	0.153
Band4	16QAM	20	20300	1#0	22.62	0.183
Band4	64QAM	20	20050	1#0	22.71	0.187
Band4	64QAM	20	20175	1#0	22.72	0.187
Band4	64QAM	20	20300	1#0	22.09	0.162

Test result:

Channel 20050

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.34	-48.72	-13	Vertical
2781.32	-47.02	-13	Vertical
3726.48	-40.76	-13	Vertical
6675.07	-39.41	-13	Vertical
9959.53	-37.66	-13	Vertical
17820.19	-33.70	-13	Vertical

Channel 20175

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2459.11	-48.75	-13	Vertical
2781.87	-47.33	-13	Vertical
3726.75	-40.35	-13	Vertical
6675.22	-40.10	-13	Vertical
9961.02	-36.86	-13	Vertical
17821.35	-33.87	-13	Vertical

Channel 20300

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2459.30	-48.80	-13	Vertical
2780.04	-47.62	-13	Vertical
3725.09	-41.25	-13	Vertical
6675.41	-39.73	-13	Vertical
9963.38	-36.85	-13	Vertical
17819.38	-34.23	-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	21.95	0.157
Band5	QPSK	1.4	20525	1#0	21.71	0.148
Band5	QPSK	1.4	20643	1#0	21.68	0.147
Band5	16QAM	1.4	20407	1#0	21.61	0.145
Band5	16QAM	1.4	20525	1#0	21.41	0.138
Band5	16QAM	1.4	20643	1#0	21.31	0.135
Band5	64QAM	1.4	20407	1#0	21.83	0.152
Band5	64QAM	1.4	20525	1#0	21.45	0.140
Band5	64QAM	1.4	20643	1#0	21.16	0.131
Band5	QPSK	3	20415	1#0	22.26	0.168
Band5	QPSK	3	20525	1#0	21.95	0.157
Band5	QPSK	3	20635	1#0	22.31	0.170
Band5	16QAM	3	20415	1#0	21.67	0.147
Band5	16QAM	3	20525	1#0	21.85	0.153
Band5	16QAM	3	20635	1#0	21.22	0.132
Band5	64QAM	3	20415	1#0	21.57	0.144
Band5	64QAM	3	20525	1#0	21.87	0.154
Band5	64QAM	3	20635	1#0	21.79	0.151
Band5	QPSK	5	20425	1#0	22.23	0.167
Band5	QPSK	5	20525	1#0	22.26	0.168
Band5	QPSK	5	20625	1#0	22.45	0.176
Band5	16QAM	5	20425	1#0	21.14	0.130
Band5	16QAM	5	20525	1#0	21.73	0.149
Band5	16QAM	5	20625	1#0	21.62	0.145
Band5	64QAM	5	20425	1#0	21.55	0.143
Band5	64QAM	5	20525	1#0	22.01	0.159
Band5	64QAM	5	20625	1#0	21.33	0.136
Band5	QPSK	10	20450	1#0	21.63	0.146
Band5	QPSK	10	20525	1#0	22.21	0.166
Band5	QPSK	10	20600	1#0	21.97	0.157
Band5	16QAM	10	20450	1#0	21.17	0.131
Band5	16QAM	10	20525	1#0	21.54	0.143
Band5	16QAM	10	20600	1#0	21.90	0.155
Band5	64QAM	10	20450	1#0	21.90	0.155
Band5	64QAM	10	20525	1#0	21.11	0.129
Band5	64QAM	10	20600	1#0	21.21	0.132

Test result:

Channel 20450

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1649.30	-53.06	-13	Vertical
1667.01	-51.75	-13	Vertical
2534.55	-43.99	-13	Vertical
2577.06	-43.80	-13	Vertical
8962.71	-39.65	-13	Vertical
9972.34	-36.82	-13	Vertical

Channel 20525

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1647.68	-53.28	-13	Vertical
1668.34	-51.06	-13	Vertical
2533.77	-44.00	-13	Vertical
2575.71	-44.13	-13	Vertical
8962.84	-39.22	-13	Vertical
9969.70	-36.07	-13	Vertical

Channel 20600

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1649.81	-52.77	-13	Vertical
1665.35	-51.41	-13	Vertical
2533.53	-44.26	-13	Vertical
2577.15	-43.86	-13	Vertical
8964.47	-39.70	-13	Vertical
9972.73	-36.41	-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	23.63	0.231
Band7	QPSK	5	21100	1#0	23.64	0.231
Band7	QPSK	5	21425	1#0	23.79	0.239
Band7	16QAM	5	20775	1#0	22.55	0.180
Band7	16QAM	5	21100	1#0	22.68	0.185
Band7	16QAM	5	21425	1#0	23.31	0.214
Band7	64QAM	5	20775	1#0	22.63	0.183
Band7	64QAM	5	21100	1#0	22.90	0.195
Band7	64QAM	5	21425	1#0	22.67	0.185
Band7	QPSK	10	20800	1#0	23.70	0.235
Band7	QPSK	10	21100	1#0	23.58	0.228
Band7	QPSK	10	21400	1#0	24.09	0.256
Band7	16QAM	10	20800	1#0	22.36	0.172
Band7	16QAM	10	21100	1#0	22.71	0.187
Band7	16QAM	10	21400	1#0	23.17	0.207
Band7	64QAM	10	20800	1#0	22.91	0.195
Band7	64QAM	10	21100	1#0	23.11	0.205
Band7	64QAM	10	21400	1#0	22.62	0.183
Band7	QPSK	15	20825	1#0	23.11	0.205
Band7	QPSK	15	21100	1#0	23.49	0.223
Band7	QPSK	15	21375	1#0	23.57	0.228
Band7	16QAM	15	20825	1#0	22.15	0.164
Band7	16QAM	15	21100	1#0	22.35	0.172
Band7	16QAM	15	21375	1#0	22.48	0.177
Band7	64QAM	15	20825	1#0	21.93	0.156
Band7	64QAM	15	21100	1#0	22.23	0.167
Band7	64QAM	15	21375	1#0	22.56	0.180
Band7	QPSK	20	20850	1#0	23.06	0.202
Band7	QPSK	20	21100	1#0	23.75	0.237
Band7	QPSK	20	21350	1#0	24.21	0.264
Band7	16QAM	20	20850	1#0	22.69	0.186
Band7	16QAM	20	21100	1#0	22.38	0.173
Band7	16QAM	20	21350	1#0	23.35	0.216
Band7	64QAM	20	20850	1#0	22.54	0.180
Band7	64QAM	20	21100	1#0	22.68	0.185
Band7	64QAM	20	21350	1#0	23.19	0.209

Test result:

Channel 20850

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.40	-49.10	-25	Vertical
2779.19	-47.78	-25	Vertical
3727.11	-40.37	-25	Vertical
6675.24	-39.55	-25	Vertical
9959.76	-37.02	-25	Vertical
17819.82	-34.06	-25	Vertical

Channel 21100

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.78	-49.36	-25	Vertical
2778.38	-47.87	-25	Vertical
3727.38	-40.51	-25	Vertical
6676.07	-39.58	-25	Vertical
9960.50	-37.33	-25	Vertical
17818.37	-33.49	-25	Vertical

Channel 21350

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.60	-48.64	-25	Vertical
2779.43	-47.62	-25	Vertical
3726.68	-41.24	-25	Vertical
6677.92	-39.19	-25	Vertical
9961.10	-37.59	-25	Vertical
17818.96	-33.45	-25	Vertical

LTE band 38

Test result:

band	Modulation	BW (MHz)	Channel	RB/ RB offset	EIRP/ERP (dBm)	EIRP/ERP (W)
Band38	QPSK	5	37775	1#0	24.36	0.273
Band38	QPSK	5	38000	1#0	22.58	0.181
Band38	QPSK	5	38225	1#0	23.42	0.220
Band38	16QAM	5	37775	1#0	23.06	0.202
Band38	16QAM	5	38000	1#0	22.77	0.189
Band38	16QAM	5	38225	1#0	23.24	0.211
Band38	64QAM	5	37775	1#0	22.67	0.185
Band38	64QAM	5	38000	1#0	22.45	0.176
Band38	64QAM	5	38225	1#0	23.05	0.202
Band38	QPSK	10	37800	1#0	24.18	0.262
Band38	QPSK	10	38000	1#0	22.36	0.172
Band38	QPSK	10	38200	1#0	24.02	0.252
Band38	16QAM	10	37800	1#0	22.91	0.195
Band38	16QAM	10	38000	1#0	23.23	0.210
Band38	16QAM	10	38200	1#0	23.36	0.217
Band38	64QAM	10	37800	1#0	22.69	0.186
Band38	64QAM	10	38000	1#0	22.63	0.183
Band38	64QAM	10	38200	1#0	23.17	0.207
Band38	QPSK	15	37825	1#0	23.75	0.237
Band38	QPSK	15	38000	1#0	22.91	0.195
Band38	QPSK	15	38175	1#0	23.46	0.222
Band38	16QAM	15	37825	1#0	23.26	0.212
Band38	16QAM	15	38000	1#0	22.73	0.187
Band38	16QAM	15	38175	1#0	23.03	0.201
Band38	64QAM	15	37825	1#0	22.98	0.199
Band38	64QAM	15	38000	1#0	23.09	0.204
Band38	64QAM	15	38175	1#0	23.37	0.217
Band38	QPSK	20	37850	1#0	23.86	0.243
Band38	QPSK	20	38000	1#0	22.87	0.193
Band38	QPSK	20	38150	1#0	23.55	0.227
Band38	16QAM	20	37850	1#0	23.37	0.217
Band38	16QAM	20	38000	1#0	22.39	0.173
Band38	16QAM	20	38150	1#0	23.32	0.215
Band38	64QAM	20	37850	1#0	23.09	0.204
Band38	64QAM	20	38000	1#0	23.01	0.200
Band38	64QAM	20	38150	1#0	23.41	0.219

Test result:

Channel 37850

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.57	-48.54	-25	Vertical
2781.08	-47.47	-25	Vertical
3727.00	-41.25	-25	Vertical
6676.47	-39.51	-25	Vertical
9963.19	-37.70	-25	Vertical
17821.39	-33.65	-25	Vertical

Channel 38000

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2459.08	-49.14	-25	Vertical
2778.72	-47.38	-25	Vertical
3724.65	-41.34	-25	Vertical
6678.87	-39.34	-25	Vertical
9960.41	-37.75	-25	Vertical
17819.49	-34.42	-25	Vertical

Channel 38150

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.35	-48.91	-25	Vertical
2778.65	-47.31	-25	Horizontal
3727.09	-41.18	-25	Vertical
6677.37	-40.09	-25	Vertical
9960.58	-37.63	-25	Vertical
17821.24	-34.39	-25	Vertical

LTE band 40

Test result:

band	Modulation	BW (MHz)	Channel	RB/ RB offset	EIRP/ERP (dBm)	EIRP/ERP (W)
Band40	QPSK	5	38725	1#0	24.12	0.258
Band40	QPSK	5	38750	1#0	24.79	0.302
Band40	QPSK	5	38775	1#0	23.99	0.250
Band40	16QAM	5	38725	1#0	23.75	0.237
Band40	16QAM	5	38750	1#0	24.01	0.252
Band40	16QAM	5	38775	1#0	23.54	0.226
Band40	64QAM	5	38725	1#0	23.10	0.204
Band40	64QAM	5	38750	1#0	23.38	0.218
Band40	64QAM	5	38775	1#0	23.82	0.241
Band40	QPSK	5	39175	1#0	24.53	0.284
Band40	QPSK	5	39200	1#0	24.62	0.290
Band40	QPSK	5	39225	1#0	25.08	0.322
Band40	16QAM	5	39175	1#0	24.21	0.263
Band40	16QAM	5	39200	1#0	23.96	0.249
Band40	16QAM	5	39225	1#0	23.79	0.239
Band40	64QAM	5	39175	1#0	24.01	0.252
Band40	64QAM	5	39200	1#0	24.21	0.264
Band40	64QAM	5	39225	1#0	24.25	0.266
Band40	QPSK	10	38750	1#0	24.09	0.256
Band40	16QAM	10	38750	1#0	23.78	0.239
Band40	64QAM	10	38750	1#0	22.97	0.198
Band40	QPSK	10	39200	1#0	25.17	0.329
Band40	16QAM	10	39200	1#0	23.51	0.224
Band40	64QAM	10	39200	1#0	23.51	0.224

Test result:

Channel 38725

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2461.44	-49.36	-13	Vertical
2781.13	-47.67	-13	Vertical
3725.17	-40.69	-13	Vertical
6675.73	-39.87	-13	Vertical
9962.73	-36.93	-13	Vertical
17819.95	-34.25	-13	Vertical

Channel 38750

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.85	-48.86	-13	Vertical
2781.84	-47.85	-13	Vertical
3726.50	-41.22	-13	Vertical
6676.89	-39.54	-13	Vertical
9961.98	-37.61	-13	Vertical
17819.17	-33.47	-13	Vertical

Channel 38775

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.94	-49.24	-13	Vertical
2781.30	-47.17	-13	Horizontal
3727.25	-40.52	-13	Vertical
6676.50	-39.58	-13	Vertical
9963.37	-37.54	-13	Vertical
17820.03	-33.87	-13	Vertical

Channel 39175

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.68	-48.79	-13	Vertical
2780.23	-47.33	-13	Vertical
3727.84	-40.78	-13	Vertical
6675.99	-39.41	-13	Vertical
9959.71	-37.68	-13	Vertical
17821.72	-33.80	-13	Vertical

Channel 39200

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.27	-48.66	-13	Vertical
2780.48	-46.92	-13	Vertical
3727.72	-40.87	-13	Vertical
6676.63	-39.48	-13	Vertical
9962.57	-37.77	-13	Vertical
17821.67	-34.36	-13	Vertical

Channel 39225

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.98	-48.65	-13	Vertical
2781.71	-47.68	-13	Horizontal
3726.02	-41.13	-13	Vertical
6677.46	-39.97	-13	Vertical
9961.22	-37.51	-13	Vertical
17819.43	-34.16	-13	Vertical

---End of Test Report---