

APPENDIX B – TEST DATA OF RADIATED EMISSION

According to the test result of GSM/GPRS MODE, the Main supply transmission mode is selected for testing.

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	24.36	0.273
Band2	QPSK	1.4	18900	1#0	24.28	0.268
Band2	QPSK	1.4	19193	1#0	24.22	0.264
Band2	16QAM	1.4	18607	1#0	24.52	0.283
Band2	16QAM	1.4	18900	1#0	23.36	0.217
Band2	16QAM	1.4	19193	1#0	24.72	0.296
Band2	64QAM	1.4	18607	1#0	23.27	0.212
Band2	64QAM	1.4	18900	1#0	23.72	0.236
Band2	64QAM	1.4	19193	1#0	24.07	0.255
Band2	QPSK	3	18615	1#0	24.79	0.301
Band2	QPSK	3	18900	1#0	24.57	0.286
Band2	QPSK	3	19185	1#0	24.66	0.292
Band2	16QAM	3	18615	1#0	23.66	0.232
Band2	16QAM	3	18900	1#0	23.89	0.245
Band2	16QAM	3	19185	1#0	23.57	0.228
Band2	64QAM	3	18615	1#0	23.26	0.212
Band2	64QAM	3	18900	1#0	23.26	0.212
Band2	64QAM	3	19185	1#0	23.07	0.203
Band2	QPSK	5	18625	1#0	24.57	0.286
Band2	QPSK	5	18900	1#0	24.67	0.293
Band2	QPSK	5	19175	1#0	24.47	0.280
Band2	16QAM	5	18625	1#0	23.75	0.237
Band2	16QAM	5	18900	1#0	23.74	0.237
Band2	16QAM	5	19175	1#0	23.74	0.237
Band2	64QAM	5	18625	1#0	23.28	0.213
Band2	64QAM	5	18900	1#0	23.21	0.209
Band2	64QAM	5	19175	1#0	23.07	0.203
Band2	QPSK	10	18650	1#0	24.76	0.299
Band2	QPSK	10	18900	1#0	24.69	0.294
Band2	QPSK	10	19150	1#0	24.46	0.279
Band2	16QAM	10	18650	1#0	23.57	0.228
Band2	16QAM	10	18900	1#0	23.51	0.224
Band2	16QAM	10	19150	1#0	23.71	0.235
Band2	64QAM	10	18650	1#0	23.10	0.204
Band2	64QAM	10	18900	1#0	23.11	0.205
Band2	64QAM	10	19150	1#0	23.21	0.209
Band2	QPSK	15	18675	1#0	24.83	0.304
Band2	QPSK	15	18900	1#0	24.67	0.293

Band2	QPSK	15	19125	1#0	24.68	0.294
Band2	16QAM	15	18675	1#0	23.69	0.234
Band2	16QAM	15	18900	1#0	23.80	0.240
Band2	16QAM	15	19125	1#0	24.17	0.261
Band2	64QAM	15	18675	1#0	23.16	0.207
Band2	64QAM	15	18900	1#0	23.08	0.203
Band2	64QAM	15	19125	1#0	23.13	0.206
Band2	QPSK	20	18700	1#0	24.52	0.283
Band2	QPSK	20	18900	1#0	24.60	0.288
Band2	QPSK	20	19100	1#0	24.46	0.279
Band2	16QAM	20	18700	1#0	24.06	0.255
Band2	16QAM	20	18900	1#0	24.11	0.258
Band2	16QAM	20	19100	1#0	24.43	0.277
Band2	64QAM	20	18700	1#0	24.14	0.259
Band2	64QAM	20	18900	1#0	23.84	0.242
Band2	64QAM	20	19100	1#0	24.08	0.256

Test result:

Channel 19100

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2457.95	-48.93	-13	Vertical
2780.23	-47.30	-13	Vertical
3725.18	-40.80	-13	Vertical
6677.67	-39.50	-13	Vertical
9962.70	-37.56	-13	Vertical
17821.41	-34.39	-13	Vertical

Channel 18900

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2459.81	-49.25	-13	Vertical
2781.02	-47.46	-13	Vertical
3725.98	-40.45	-13	Vertical
6677.42	-39.70	-13	Vertical
9962.30	-36.89	-13	Vertical
17822.05	-34.06	-13	Vertical

Channel 19100

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2459.65	-49.20	-13	Vertical
2781.28	-47.65	-13	Vertical
3725.14	-41.30	-13	Vertical

6675.32	-40.06	-13	Vertical
9962.22	-37.25	-13	Vertical
17819.54	-33.70	-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	24.22	0.264
Band4	QPSK	1.4	20175	1#0	24.32	0.270
Band4	QPSK	1.4	20393	1#0	24.05	0.254
Band4	16QAM	1.4	19957	1#0	23.29	0.213
Band4	16QAM	1.4	20175	1#0	23.82	0.241
Band4	16QAM	1.4	20393	1#0	23.09	0.204
Band4	64QAM	1.4	19957	1#0	23.24	0.211
Band4	64QAM	1.4	20175	1#0	23.38	0.218
Band4	64QAM	1.4	20393	1#0	23.55	0.226
Band4	QPSK	3	19965	1#0	24.16	0.261
Band4	QPSK	3	20175	1#0	24.30	0.269
Band4	QPSK	3	20385	1#0	24.11	0.258
Band4	16QAM	3	19965	1#0	23.52	0.225
Band4	16QAM	3	20175	1#0	23.91	0.246
Band4	16QAM	3	20385	1#0	24.03	0.253
Band4	64QAM	3	19965	1#0	23.25	0.211
Band4	64QAM	3	20175	1#0	23.35	0.216
Band4	64QAM	3	20385	1#0	23.40	0.219
Band4	QPSK	5	19975	1#0	24.21	0.264
Band4	QPSK	5	20175	1#0	24.27	0.267
Band4	QPSK	5	20375	1#0	24.13	0.259
Band4	16QAM	5	19975	1#0	23.06	0.202
Band4	16QAM	5	20175	1#0	23.17	0.207
Band4	16QAM	5	20375	1#0	23.51	0.224
Band4	64QAM	5	19975	1#0	23.52	0.225
Band4	64QAM	5	20175	1#0	23.62	0.230
Band4	64QAM	5	20375	1#0	23.30	0.214
Band4	QPSK	10	20000	1#0	24.48	0.281
Band4	QPSK	10	20175	1#0	24.52	0.283
Band4	QPSK	10	20350	1#0	24.17	0.261
Band4	16QAM	10	20000	1#0	22.25	0.168
Band4	16QAM	10	20175	1#0	24.11	0.258
Band4	16QAM	10	20350	1#0	23.62	0.230
Band4	64QAM	10	20000	1#0	23.65	0.232
Band4	64QAM	10	20175	1#0	23.44	0.221
Band4	64QAM	10	20350	1#0	23.55	0.226
Band4	QPSK	15	20025	1#0	24.33	0.271
Band4	QPSK	15	20175	1#0	24.41	0.276
Band4	QPSK	15	20325	1#0	24.22	0.264

Band4	16QAM	15	20025	1#0	24.13	0.259
Band4	16QAM	15	20175	1#0	24.02	0.252
Band4	16QAM	15	20325	1#0	24.00	0.251
Band4	64QAM	15	20025	1#0	23.51	0.224
Band4	64QAM	15	20175	1#0	23.67	0.233
Band4	64QAM	15	20325	1#0	23.56	0.227
Band4	QPSK	20	20050	1#0	24.42	0.277
Band4	QPSK	20	20175	1#0	24.19	0.262
Band4	QPSK	20	20300	1#0	24.33	0.271
Band4	16QAM	20	20050	1#0	23.58	0.228
Band4	16QAM	20	20175	1#0	24.23	0.265
Band4	16QAM	20	20300	1#0	23.78	0.239
Band4	64QAM	20	20050	1#0	23.96	0.249
Band4	64QAM	20	20175	1#0	23.84	0.242
Band4	64QAM	20	20300	1#0	23.99	0.251

Test result:
Channel 20050

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2459.87	-49.10	-13	Vertical
2781.16	-47.57	-13	Vertical
3726.89	-40.86	-13	Vertical
6678.88	-39.48	-13	Vertical
9959.44	-36.88	-13	Vertical
17822.12	-33.63	-13	Vertical

Channel 20175

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.25	-49.36	-13	Vertical
2778.34	-46.93	-13	Vertical
3725.23	-40.79	-13	Vertical
6677.42	-39.34	-13	Vertical
9962.72	-37.72	-13	Vertical
17819.28	-33.63	-13	Vertical

Channel 20300

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2459.68	-49.18	-13	Vertical
2778.73	-47.61	-13	Vertical
3726.62	-40.99	-13	Vertical

6678.60	-39.37	-13	Vertical
9961.86	-37.33	-13	Vertical
17819.23	-34.07	-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	24.33	0.271
Band5	QPSK	1.4	20525	1#0	24.41	0.276
Band5	QPSK	1.4	20643	1#0	24.19	0.262
Band5	16QAM	1.4	20407	1#0	23.31	0.214
Band5	16QAM	1.4	20525	1#0	23.33	0.215
Band5	16QAM	1.4	20643	1#0	23.72	0.236
Band5	64QAM	1.4	20407	1#0	23.93	0.247
Band5	64QAM	1.4	20525	1#0	23.74	0.237
Band5	64QAM	1.4	20643	1#0	23.79	0.239
Band5	QPSK	3	20415	1#0	24.48	0.281
Band5	QPSK	3	20525	1#0	24.51	0.282
Band5	QPSK	3	20635	1#0	24.40	0.275
Band5	16QAM	3	20415	1#0	22.94	0.197
Band5	16QAM	3	20525	1#0	23.21	0.209
Band5	16QAM	3	20635	1#0	23.70	0.234
Band5	64QAM	3	20415	1#0	23.76	0.238
Band5	64QAM	3	20525	1#0	23.95	0.248
Band5	64QAM	3	20635	1#0	23.71	0.235
Band5	QPSK	5	20425	1#0	24.33	0.271
Band5	QPSK	5	20525	1#0	24.39	0.275
Band5	QPSK	5	20625	1#0	24.41	0.276
Band5	16QAM	5	20425	1#0	23.59	0.229
Band5	16QAM	5	20525	1#0	23.80	0.240
Band5	16QAM	5	20625	1#0	23.87	0.244
Band5	64QAM	5	20425	1#0	24.02	0.252
Band5	64QAM	5	20525	1#0	23.86	0.243
Band5	64QAM	5	20625	1#0	23.66	0.232
Band5	QPSK	10	20450	1#0	24.51	0.282
Band5	QPSK	10	20525	1#0	24.50	0.282
Band5	QPSK	10	20600	1#0	24.24	0.265
Band5	16QAM	10	20450	1#0	23.72	0.236
Band5	16QAM	10	20525	1#0	23.76	0.238
Band5	16QAM	10	20600	1#0	23.68	0.233
Band5	64QAM	10	20450	1#0	24.00	0.251
Band5	64QAM	10	20525	1#0	24.06	0.255
Band5	64QAM	10	20600	1#0	23.96	0.249

Test result:
Channel 20450

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1648.50	-53.25	-13	Vertical
1666.73	-51.15	-13	Vertical
2532.65	-43.92	-13	Vertical
2575.86	-43.93	-13	Vertical
8961.15	-39.55	-13	Vertical
9971.16	-36.55	-13	Vertical

Channel 20525

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1649.04	-52.57	-13	Vertical
1668.16	-51.51	-13	Vertical
2534.84	-44.66	-13	Vertical
2577.06	-44.04	-13	Vertical
8964.02	-39.54	-13	Vertical
9969.65	-36.76	-13	Vertical

Channel 20600

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1648.01	-52.78	-13	Vertical
1666.62	-50.92	-13	Vertical
2535.32	-44.50	-13	Vertical
2578.49	-44.39	-13	Vertical
8961.09	-39.95	-13	Vertical
9970.54	-36.75	-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	23.59	0.229
Band7	QPSK	5	21100	1#0	23.85	0.243
Band7	QPSK	5	21425	1#0	24.00	0.251
Band7	16QAM	5	20775	1#0	22.85	0.193
Band7	16QAM	5	21100	1#0	23.07	0.203
Band7	16QAM	5	21425	1#0	23.24	0.211
Band7	64QAM	5	20775	1#0	22.82	0.191
Band7	64QAM	5	21100	1#0	22.99	0.199
Band7	64QAM	5	21425	1#0	23.36	0.217
Band7	QPSK	10	20800	1#0	23.56	0.227
Band7	QPSK	10	21100	1#0	23.83	0.242
Band7	QPSK	10	21400	1#0	24.03	0.253
Band7	16QAM	10	20800	1#0	22.86	0.193
Band7	16QAM	10	21100	1#0	23.15	0.207
Band7	16QAM	10	21400	1#0	23.37	0.217
Band7	64QAM	10	20800	1#0	22.76	0.189
Band7	64QAM	10	21100	1#0	23.07	0.203
Band7	64QAM	10	21400	1#0	23.38	0.218
Band7	QPSK	15	20825	1#0	23.58	0.228
Band7	QPSK	15	21100	1#0	23.88	0.244
Band7	QPSK	15	21375	1#0	23.92	0.247
Band7	16QAM	15	20825	1#0	22.87	0.194
Band7	16QAM	15	21100	1#0	23.10	0.204
Band7	16QAM	15	21375	1#0	23.31	0.214
Band7	64QAM	15	20825	1#0	22.73	0.187
Band7	64QAM	15	21100	1#0	23.04	0.201
Band7	64QAM	15	21375	1#0	23.30	0.214
Band7	QPSK	20	20850	1#0	23.38	0.218
Band7	QPSK	20	21100	1#0	23.08	0.203
Band7	QPSK	20	21350	1#0	22.86	0.193
Band7	16QAM	20	20850	1#0	23.39	0.218
Band7	16QAM	20	21100	1#0	23.46	0.222
Band7	16QAM	20	21350	1#0	23.56	0.227
Band7	64QAM	20	20850	1#0	23.19	0.208
Band7	64QAM	20	21100	1#0	23.17	0.207
Band7	64QAM	20	21350	1#0	23.02	0.200

Test result:
Channel 20850

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2459.40	-49.05	-25	Vertical
2780.51	-47.48	-25	Vertical
3726.18	-40.37	-25	Vertical
6677.32	-39.16	-25	Vertical
9961.33	-37.00	-25	Vertical
17818.40	-34.39	-25	Vertical

Channel 21100

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.84	-48.53	-25	Vertical
2778.57	-47.09	-25	Vertical
3724.43	-40.41	-25	Vertical
6675.94	-39.61	-25	Vertical
9961.73	-37.19	-25	Vertical
17819.19	-34.00	-25	Vertical

Channel 21350

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2461.43	-48.71	-25	Vertical
2780.60	-47.30	-25	Vertical
3726.43	-40.42	-25	Vertical
6675.83	-39.77	-25	Vertical
9960.92	-37.71	-25	Vertical
17818.74	-34.21	-25	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	23.33	0.215
Band12	QPSK	1.4	23095	1#0	23.27	0.212
Band12	QPSK	1.4	23173	1#0	23.19	0.208
Band12	16QAM	1.4	23017	1#0	23.46	0.222
Band12	16QAM	1.4	23095	1#0	23.76	0.238
Band12	16QAM	1.4	23173	1#0	23.78	0.239
Band12	64QAM	1.4	23017	1#0	23.20	0.209
Band12	64QAM	1.4	23095	1#0	23.26	0.212
Band12	64QAM	1.4	23173	1#0	23.35	0.216
Band12	QPSK	3	23025	1#0	23.40	0.219
Band12	QPSK	3	23095	1#0	23.28	0.213
Band12	QPSK	3	23165	1#0	23.22	0.210
Band12	16QAM	3	23025	1#0	24.02	0.252
Band12	16QAM	3	23095	1#0	23.39	0.218
Band12	16QAM	3	23165	1#0	23.43	0.220
Band12	64QAM	3	23025	1#0	23.20	0.209
Band12	64QAM	3	23095	1#0	23.30	0.214
Band12	64QAM	3	23165	1#0	23.16	0.207
Band12	QPSK	5	23035	1#0	23.35	0.216
Band12	QPSK	5	23095	1#0	23.62	0.230
Band12	QPSK	5	23155	1#0	23.29	0.213
Band12	16QAM	5	23035	1#0	23.40	0.219
Band12	16QAM	5	23095	1#0	23.56	0.227
Band12	16QAM	5	23155	1#0	23.83	0.242
Band12	64QAM	5	23035	1#0	23.06	0.202
Band12	64QAM	5	23095	1#0	23.21	0.209
Band12	64QAM	5	23155	1#0	23.39	0.218
Band12	QPSK	10	23060	1#0	24.01	0.252
Band12	QPSK	10	23095	1#0	24.00	0.251
Band12	QPSK	10	23130	1#0	23.95	0.248
Band12	16QAM	10	23060	1#0	23.23	0.210
Band12	16QAM	10	23095	1#0	23.86	0.243
Band12	16QAM	10	23130	1#0	23.08	0.203
Band12	64QAM	10	23060	1#0	23.18	0.208
Band12	64QAM	10	23095	1#0	23.53	0.225
Band12	64QAM	10	23130	1#0	22.98	0.199

Test result:
Channel 23060

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1647.09	-52.74	-13	Vertical
1666.87	-50.88	-13	Vertical
2533.85	-44.59	-13	Vertical
2575.94	-44.54	-13	Vertical
8963.65	-39.79	-13	Vertical
9971.17	-36.83	-13	Vertical

Channel 23095

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1649.20	-53.02	-13	Vertical
1668.66	-51.10	-13	Vertical
2535.15	-43.83	-13	Vertical
2578.68	-44.27	-13	Vertical
8964.56	-39.58	-13	Vertical
9971.25	-36.12	-13	Vertical

Channel 23130

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1650.48	-52.86	-13	Vertical
1665.26	-51.58	-13	Vertical
2535.21	-44.69	-13	Vertical
2576.43	-43.78	-13	Vertical
8964.06	-39.99	-13	Vertical
9970.73	-36.25	-13	Vertical