

Annex C. LTE Transmitter Spurious Emissions

1. LTE_Band40(2305-2315)

1.1. LTE Transmitter Spurious Emissions(Subtest:1, Channel:38725, Bandwidth:5, Modulation:QPSK, RB Number:1, RB Position:0)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-52.91	-40	Pass	401
0.15	30	0.01	RMS	0.15	-54.41	-40	Pass	2986
30	1000	0.1	RMS	964.3	-59	-40	Pass	9701
1000	2288	1	RMS	2139	-43.71	-40	Pass	1289
2288	2365	1	RMS	2305.325	17.72	60	Pass	401
2365	3000	1	RMS	2670	-42.45	-40	Pass	636
3000	12000	1	RMS	11998	-57.93	-40	Pass	9001
12000	23650	1	RMS	23282	-43.74	-40	Pass	11651



1.2. LTE Transmitter Spurious Emissions(Subtest:2, Channel:38725, Bandwidth:5, Modulation:QPSK, RB Number:1, RB Position:24)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-52.59	-40	Pass	401
0.15	30	0.01	RMS	0.15	-54.97	-40	Pass	2986
30	1000	0.1	RMS	879.2	-59.07	-40	Pass	9701
1000	2288	1	RMS	2140	-43.62	-40	Pass	1289
2288	2365	1	RMS	2309.56	17.71	60	Pass	401
2365	3000	1	RMS	2662	-42.41	-40	Pass	636
3000	12000	1	RMS	12000	-57.76	-40	Pass	9001
12000	23650	1	RMS	23286	-43.68	-40	Pass	11651



1.3. LTE Transmitter Spurious Emissions(Subtest:3, Channel:38725, Bandwidth:5, Modulation:16QAM, RB Number:1, RB Position:0)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-52.63	-40	Pass	401
0.15	30	0.01	RMS	0.15	-54.31	-40	Pass	2986
30	1000	0.1	RMS	979.3	-58.91	-40	Pass	9701
1000	2288	1	RMS	2141	-43.69	-40	Pass	1289
2288	2365	1	RMS	2305.325	17.88	60	Pass	401
2365	3000	1	RMS	2667	-42.46	-40	Pass	636
3000	12000	1	RMS	12000	-57.88	-40	Pass	9001
12000	23650	1	RMS	23285	-43.65	-40	Pass	11651



1.4. LTE Transmitter Spurious Emissions(Subtest:4, Channel:38725, Bandwidth:5, Modulation:16QAM, RB Number:1, RB Position:24)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-52.25	-40	Pass	401
0.15	30	0.01	RMS	0.15	-54.65	-40	Pass	2986
30	1000	0.1	RMS	872	-58.97	-40	Pass	9701
1000	2288	1	RMS	2140	-43.63	-40	Pass	1289
2288	2365	1	RMS	2309.56	17.85	60	Pass	401
2365	3000	1	RMS	2660	-42.43	-40	Pass	636
3000	12000	1	RMS	12000	-57.75	-40	Pass	9001
12000	23650	1	RMS	23278	-43.63	-40	Pass	11651



1.5. LTE Transmitter Spurious Emissions(Subtest:9, Channel: 38750, Bandwidth:5, Modulation:QPSK, RB Number:1, RB Position:0)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-52.88	-40	Pass	401
0.15	30	0.01	RMS	0.15	-54.23	-40	Pass	2986
30	1000	0.1	RMS	981.1	-58.99	-40	Pass	9701
1000	2288	1	RMS	2140	-43.68	-40	Pass	1289
2288	2365	1	RMS	2315.335	17.8	60	Pass	401
2365	3000	1	RMS	2667	-42.42	-40	Pass	636
3000	12000	1	RMS	11997	-57.77	-40	Pass	9001
12000	23650	1	RMS	23282	-43.57	-40	Pass	11651



1.6. LTE Transmitter Spurious Emissions(Subtest:10, Channel: 38750, Bandwidth:5, Modulation:QPSK, RB Number:1, RB Position:24)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-52.53	-40	Pass	401
0.15	30	0.01	RMS	0.15	-56	-40	Pass	2986
30	1000	0.1	RMS	902.3	-58.8	-40	Pass	9701
1000	2288	1	RMS	2140	-43.63	-40	Pass	1289
2288	2365	1	RMS	2319.57	17.59	60	Pass	401
2365	3000	1	RMS	2665	-42.44	-40	Pass	636
3000	12000	1	RMS	3404	-50.83	-40	Pass	9001
12000	23650	1	RMS	23288	-43.62	-40	Pass	11651



1.7. LTE Transmitter Spurious Emissions(Subtest:11, Channel: 38750, Bandwidth:5, Modulation:16QAM, RB Number:1, RB Position:0)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-51.96	-40	Pass	401
0.15	30	0.01	RMS	0.15	-55.72	-40	Pass	2986
30	1000	0.1	RMS	896.4	-58.93	-40	Pass	9701
1000	2288	1	RMS	2140	-43.64	-40	Pass	1289
2288	2365	1	RMS	2315.335	17.92	60	Pass	401
2365	3000	1	RMS	2670	-42.46	-40	Pass	636
3000	12000	1	RMS	11998	-57.78	-40	Pass	9001
12000	23650	1	RMS	23286	-43.59	-40	Pass	11651



1.8. LTE Transmitter Spurious Emissions(Subtest:12, Channel: 38750, Bandwidth:5, Modulation:16QAM, RB Number:1, RB Position:24)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-52.55	-40	Pass	401
0.15	30	0.01	RMS	0.15	-55.62	-40	Pass	2986
30	1000	0.1	RMS	998.7	-58.82	-40	Pass	9701
1000	2288	1	RMS	2141	-43.69	-40	Pass	1289
2288	2365	1	RMS	2319.57	17.72	60	Pass	401
2365	3000	1	RMS	2669	-42.44	-40	Pass	636
3000	12000	1	RMS	12000	-57.75	-40	Pass	9001
12000	23650	1	RMS	23284	-43.65	-40	Pass	11651



1.9. LTE Transmitter Spurious Emissions(Subtest:5, Channel:38775, Bandwidth:5, Modulation:QPSK, RB Number:1, RB Position:0)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-52.21	-40	Pass	401
0.15	30	0.01	RMS	0.15	-55.03	-40	Pass	2986
30	1000	0.1	RMS	987.9	-58.96	-40	Pass	9701
1000	2288	1	RMS	2139	-43.68	-40	Pass	1289
2288	2365	1	RMS	2310.33	17.75	60	Pass	401
2365	3000	1	RMS	2670	-42.45	-40	Pass	636
3000	12000	1	RMS	11999	-57.76	-40	Pass	9001
12000	23650	1	RMS	23289	-43.62	-40	Pass	11651



1.10. LTE Transmitter Spurious Emissions(Subtest:6, Channel:38775, Bandwidth:5, Modulation:QPSK, RB Number:1, RB Position:24)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.011	-52.83	-40	Pass	401
0.15	30	0.01	RMS	0.15	-55.41	-40	Pass	2986
30	1000	0.1	RMS	859.5	-58.84	-40	Pass	9701
1000	2288	1	RMS	2141	-43.69	-40	Pass	1289
2288	2365	1	RMS	2314.565	17.67	60	Pass	401
2365	3000	1	RMS	2668	-42.43	-40	Pass	636
3000	12000	1	RMS	11998	-57.76	-40	Pass	9001
12000	23650	1	RMS	23277	-43.66	-40	Pass	11651



1.11. LTE Transmitter Spurious Emissions(Subtest:7, Channel:38775, Bandwidth:5, Modulation:16QAM, RB Number:1, RB Position:0)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-52.35	-40	Pass	401
0.15	30	0.01	RMS	0.15	-55.4	-40	Pass	2986
30	1000	0.1	RMS	999.3	-58.98	-40	Pass	9701
1000	2288	1	RMS	2140	-43.69	-40	Pass	1289
2288	2365	1	RMS	2310.33	17.9	60	Pass	401
2365	3000	1	RMS	2666	-42.45	-40	Pass	636
3000	12000	1	RMS	11999	-57.85	-40	Pass	9001
12000	23650	1	RMS	23282	-43.66	-40	Pass	11651



1.12. LTE Transmitter Spurious Emissions(Subtest:8, Channel:38775, Bandwidth:5, Modulation:16QAM, RB Number:1, RB Position:24)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-52.55	-40	Pass	401
0.15	30	0.01	RMS	0.15	-54.79	-40	Pass	2986
30	1000	0.1	RMS	897.2	-58.94	-40	Pass	9701
1000	2288	1	RMS	2140	-43.68	-40	Pass	1289
2288	2365	1	RMS	2314.565	17.87	60	Pass	401
2365	3000	1	RMS	2670	-42.4	-40	Pass	636
3000	12000	1	RMS	12000	-57.83	-40	Pass	9001
12000	23650	1	RMS	23280	-43.57	-40	Pass	11651



1.13. LTE Transmitter Spurious Emissions(Subtest:13, Channel:38750, Bandwidth:10, Modulation:QPSK, RB Number:1, RB Position:0)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-53.08	-40	Pass	401
0.15	30	0.01	RMS	0.16	-55.75	-40	Pass	2986
30	1000	0.1	RMS	850.2	-58.9	-40	Pass	9701
1000	2288	1	RMS	2140	-43.68	-40	Pass	1289
2288	2365	1	RMS	2305.518	17.56	60	Pass	401
2365	3000	1	RMS	2666	-42.45	-40	Pass	636
3000	12000	1	RMS	12000	-57.77	-40	Pass	9001
12000	23650	1	RMS	23292	-43.65	-40	Pass	11651



1.14. LTE Transmitter Spurious Emissions(Subtest:14, Channel:38750, Bandwidth:10, Modulation:QPSK, RB Number:1, RB Position:49)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-52.27	-40	Pass	401
0.15	30	0.01	RMS	0.15	-55.6	-40	Pass	2986
30	1000	0.1	RMS	968.5	-58.97	-40	Pass	9701
1000	2288	1	RMS	2139	-43.68	-40	Pass	1289
2288	2365	1	RMS	2314.373	17.73	60	Pass	401
2365	3000	1	RMS	2669	-42.44	-40	Pass	636
3000	12000	1	RMS	11997	-57.79	-40	Pass	9001
12000	23650	1	RMS	23288	-43.63	-40	Pass	11651



1.15. LTE Transmitter Spurious Emissions(Subtest:15, Channel:38750, Bandwidth:10, Modulation:16QAM, RB Number:1, RB Position:0)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-52.45	-40	Pass	401
0.15	30	0.01	RMS	0.15	-54.74	-40	Pass	2986
30	1000	0.1	RMS	969.5	-58.85	-40	Pass	9701
1000	2288	1	RMS	2140	-43.59	-40	Pass	1289
2288	2365	1	RMS	2305.518	17.7	60	Pass	401
2365	3000	1	RMS	2667	-42.45	-40	Pass	636
3000	12000	1	RMS	11998	-57.73	-40	Pass	9001
12000	23650	1	RMS	23283	-43.58	-40	Pass	11651



1.16. LTE Transmitter Spurious Emissions(Subtest:16, Channel:38750, Bandwidth:10, Modulation:16QAM, RB Number:1, RB Position:49)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-51.85	-40	Pass	401
0.15	30	0.01	RMS	0.15	-54.85	-40	Pass	2986
30	1000	0.1	RMS	858.4	-58.99	-40	Pass	9701
1000	2288	1	RMS	2140	-43.66	-40	Pass	1289
2288	2365	1	RMS	2314.373	17.87	60	Pass	401
2365	3000	1	RMS	2668	-42.43	-40	Pass	636
3000	12000	1	RMS	11998	-57.73	-40	Pass	9001
12000	23650	1	RMS	23262	-43.63	-40	Pass	11651



END