

Annex C. LTE Transmitter Spurious Emissions

1. LTE_Band40(2350-2360)

1.1. LTE Transmitter Spurious Emissions(Subtest:5, Channel:39175, 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	-52.1	-40	Pass	401
0.15	30	0.01	RMS	0.15	-55.46	-40	Pass	2986
30	1000	0.1	RMS	876.6	-58.97	-40	Pass	9701
1000	2288	1	RMS	2140	-43.68	-40	Pass	1289
2288	2365	1	RMS	2350.37	17.86	60	Pass	401
2365	3000	1	RMS	2666	-42.44	-40	Pass	636
3000	12000	1	RMS	12000	-57.75	-40	Pass	9001
12000	23650	1	RMS	23292	-43.61	-40	Pass	11651



1.2. LTE Transmitter Spurious Emissions(Subtest:6, Channel:39175, 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	-53.05	-40	Pass	401
0.15	30	0.01	RMS	0.15	-54.61	-40	Pass	2986
30	1000	0.1	RMS	977.3	-58.94	-40	Pass	9701
1000	2288	1	RMS	2140	-43.62	-40	Pass	1289
2288	2365	1	RMS	2354.605	17.83	60	Pass	401
2365	3000	1	RMS	2669	-42.47	-40	Pass	636
3000	12000	1	RMS	11999	-57.74	-40	Pass	9001
12000	23650	1	RMS	23287	-43.59	-40	Pass	11651



1.3. LTE Transmitter Spurious Emissions(Subtest:7, Channel:39175, 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	-52.21	-40	Pass	401
0.15	30	0.01	RMS	0.15	-54.73	-40	Pass	2986
30	1000	0.1	RMS	988	-58.92	-40	Pass	9701
1000	2288	1	RMS	2140	-43.59	-40	Pass	1289
2288	2365	1	RMS	2350.37	18.06	60	Pass	401
2365	3000	1	RMS	2665	-42.43	-40	Pass	636
3000	12000	1	RMS	11997	-57.71	-40	Pass	9001
12000	23650	1	RMS	23279	-43.63	-40	Pass	11651



1.4. LTE Transmitter Spurious Emissions(Subtest:8, Channel:39175, 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	-52.39	-40	Pass	401
0.15	30	0.01	RMS	0.15	-55.01	-40	Pass	2986
30	1000	0.1	RMS	964	-58.87	-40	Pass	9701
1000	2288	1	RMS	2141	-43.64	-40	Pass	1289
2288	2365	1	RMS	2354.605	18.03	60	Pass	401
2365	3000	1	RMS	2669	-42.47	-40	Pass	636
3000	12000	1	RMS	11999	-57.75	-40	Pass	9001
12000	23650	1	RMS	23287	-43.59	-40	Pass	11651



1.5. LTE Transmitter Spurious Emissions(Subtest:1, Channel: 39200, 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	-52.86	-40	Pass	401
0.15	30	0.01	RMS	0.15	-54.78	-40	Pass	2986
30	1000	0.1	RMS	959.4	-58.91	-40	Pass	9701
1000	2288	1	RMS	2140	-43.63	-40	Pass	1289
2288	2365	1	RMS	2345.365	18	60	Pass	401
2365	3000	1	RMS	2668	-42.45	-40	Pass	636
3000	12000	1	RMS	12000	-57.7	-40	Pass	9001
12000	23650	1	RMS	23272	-43.6	-40	Pass	11651



1.6. LTE Transmitter Spurious Emissions(Subtest:2, Channel:39200, 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	0.01	-52.38	-40	Pass	401
0.15	30	0.01	RMS	0.15	-54.73	-40	Pass	2986
30	1000	0.1	RMS	991.7	-58.91	-40	Pass	9701
1000	2288	1	RMS	2140	-43.62	-40	Pass	1289
2288	2365	1	RMS	2349.6	17.89	60	Pass	401
2365	3000	1	RMS	2668	-42.45	-40	Pass	636
3000	12000	1	RMS	12000	-57.7	-40	Pass	9001
12000	23650	1	RMS	23291	-43.6	-40	Pass	11651



1.7. LTE Transmitter Spurious Emissions(Subtest:3, Channel:39200, 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	-52.57	-40	Pass	401
0.15	30	0.01	RMS	0.15	-55.32	-40	Pass	2986
30	1000	0.1	RMS	896.3	-58.9	-40	Pass	9701
1000	2288	1	RMS	2141	-43.67	-40	Pass	1289
2288	2365	1	RMS	2345.365	18.1	60	Pass	401
2365	3000	1	RMS	2667	-42.42	-40	Pass	636
3000	12000	1	RMS	12000	-57.75	-40	Pass	9001
12000	23650	1	RMS	23290	-43.6	-40	Pass	11651



1.8. LTE Transmitter Spurious Emissions(Subtest:4, Channel: 39200, 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	-52.58	-40	Pass	401
0.15	30	0.01	RMS	0.16	-55.74	-40	Pass	2986
30	1000	0.1	RMS	882.4	-58.72	-40	Pass	9701
1000	2288	1	RMS	2143	-43.71	-40	Pass	1289
2288	2365	1	RMS	2349.6	18.01	60	Pass	401
2365	3000	1	RMS	2668	-42.45	-40	Pass	636
3000	12000	1	RMS	5806	-54.35	-40	Pass	9001
12000	23650	1	RMS	23285	-43.61	-40	Pass	11651



1.9. LTE Transmitter Spurious Emissions(Subtest:9, Channel:39225, 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	-52.97	-40	Pass	401
0.15	30	0.01	RMS	0.15	-55.17	-40	Pass	2986
30	1000	0.1	RMS	825.8	-56.51	-40	Pass	9701
1000	2288	1	RMS	2140	-43.63	-40	Pass	1289
2288	2365	1	RMS	2355.375	17.83	60	Pass	401
2365	3000	1	RMS	2663	-42.41	-40	Pass	636
3000	12000	1	RMS	11999	-57.77	-40	Pass	9001
12000	23650	1	RMS	23283	-43.59	-40	Pass	11651



1.10. LTE Transmitter Spurious Emissions(Subtest:10, Channel:39225, 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	-51.34	-40	Pass	401
0.15	30	0.01	RMS	0.16	-56.1	-40	Pass	2986
30	1000	0.1	RMS	899.3	-58.95	-40	Pass	9701
1000	2288	1	RMS	2140	-43.62	-40	Pass	1289
2288	2365	1	RMS	2359.61	17.94	60	Pass	401
2365	3000	1	RMS	2668	-42.46	-40	Pass	636
3000	12000	1	RMS	11999	-57.75	-40	Pass	9001
12000	23650	1	RMS	23285	-43.6	-40	Pass	11651



1.11. LTE Transmitter Spurious Emissions(Subtest:11, Channel:39225, 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	-52.55	-40	Pass	401
0.15	30	0.01	RMS	0.15	-54.56	-40	Pass	2986
30	1000	0.1	RMS	980.4	-58.91	-40	Pass	9701
1000	2288	1	RMS	2140	-43.66	-40	Pass	1289
2288	2365	1	RMS	2355.375	18.01	60	Pass	401
2365	3000	1	RMS	2664	-42.42	-40	Pass	636
3000	12000	1	RMS	11992	-57.76	-40	Pass	9001
12000	23650	1	RMS	23279	-43.61	-40	Pass	11651



1.12. LTE Transmitter Spurious Emissions(Subtest:12, Channel:39225, 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	-52.63	-40	Pass	401
0.15	30	0.01	RMS	0.15	-55.62	-40	Pass	2986
30	1000	0.1	RMS	988	-58.92	-40	Pass	9701
1000	2288	1	RMS	2140	-43.62	-40	Pass	1289
2288	2365	1	RMS	2359.61	18.06	60	Pass	401
2365	3000	1	RMS	2669	-42.43	-40	Pass	636
3000	12000	1	RMS	11998	-57.78	-40	Pass	9001
12000	23650	1	RMS	23286	-43.6	-40	Pass	11651



1.13. LTE Transmitter Spurious Emissions(Subtest:21, Channel:39200, 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	0.009	-52.28	-40	Pass	401
0.15	30	0.01	RMS	0.15	-55.84	-40	Pass	2986
30	1000	0.1	RMS	969.3	-58.95	-40	Pass	9701
1000	2288	1	RMS	2141	-43.61	-40	Pass	1289
2288	2365	1	RMS	2350.563	17.86	60	Pass	401
2365	3000	1	RMS	2661	-42.45	-40	Pass	636
3000	12000	1	RMS	11999	-57.77	-40	Pass	9001
12000	23650	1	RMS	23287	-43.61	-40	Pass	11651



1.14. LTE Transmitter Spurious Emissions(Subtest:22, Channel:39200, 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	-52.34	-40	Pass	401
0.15	30	0.01	RMS	0.15	-54.43	-40	Pass	2986
30	1000	0.1	RMS	890.3	-58.93	-40	Pass	9701
1000	2288	1	RMS	2141	-43.71	-40	Pass	1289
2288	2365	1	RMS	2359.418	17.94	60	Pass	401
2365	3000	1	RMS	2365	-41.3	-40	Pass	636
3000	12000	1	RMS	11997	-57.79	-40	Pass	9001
12000	23650	1	RMS	23278	-43.61	-40	Pass	11651



1.15. LTE Transmitter Spurious Emissions(Subtest:23, Channel:39200, 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	0.01	-52.65	-40	Pass	401
0.15	30	0.01	RMS	0.15	-55.39	-40	Pass	2986
30	1000	0.1	RMS	828.6	-58.27	-40	Pass	9701
1000	2288	1	RMS	2139	-43.59	-40	Pass	1289
2288	2365	1	RMS	2350.563	18.06	60	Pass	401
2365	3000	1	RMS	2662	-42.48	-40	Pass	636
3000	12000	1	RMS	11999	-57.81	-40	Pass	9001
12000	23650	1	RMS	23278	-43.63	-40	Pass	11651



1.16. LTE Transmitter Spurious Emissions(Subtest:24, Channel:39200, 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	-52.36	-40	Pass	401
0.15	30	0.01	RMS	0.15	-54.77	-40	Pass	2986
30	1000	0.1	RMS	857.2	-58.96	-40	Pass	9701
1000	2288	1	RMS	2141	-43.64	-40	Pass	1289
2288	2365	1	RMS	2359.418	18.1	60	Pass	401
2365	3000	1	RMS	2365	-40.55	-40	Pass	636
3000	12000	1	RMS	11999	-57.7	-40	Pass	9001
12000	23650	1	RMS	23285	-43.63	-40	Pass	11651



END