

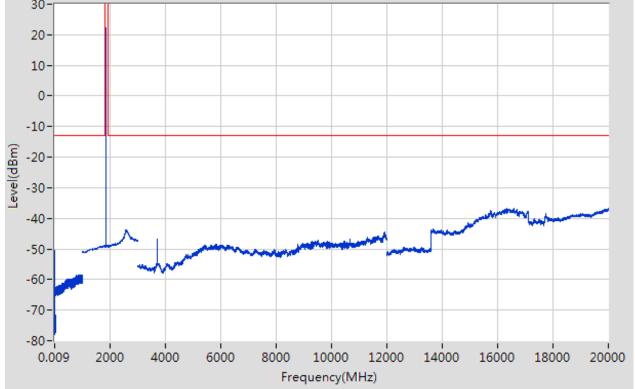
Annex C. LTE Transmitter Spurious Emissions



1. LTE_Band2

1.1. LTE Transmitter Spurious Emissions(NTNV)(Subtest:1, Channel:18607, Bandwidth:1.4, Modulation:QPSK, RB Number: 1, RB Position:LOW)

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	-53.69	-13	Pass	601
0.15	30	0.01	RMS	0.15	-50.49	-13	Pass	2985
30	1000	0.1	RMS	943.994	-58.45	-13	Pass	9700
1000	1830	1	RMS	1821.99	-48.7	-13	Pass	830
1830	1920	1	RMS	1850.25	22.13	60	Pass	601
1920	3000	1	RMS	2596.627	-43.86	-13	Pass	1080
3000	12000	1	RMS	11907.99	-44.61	-13	Pass	9000
12000	20000	1	RMS	16316.54	-36.77	-13	Pass	8000
30 - 20 - 10 - 0 -								





-60-

-70-

-80-

0.009

4000

2000

6000

8000

10000 12000

Frequency(MHz)

16000

14000

18000

20000

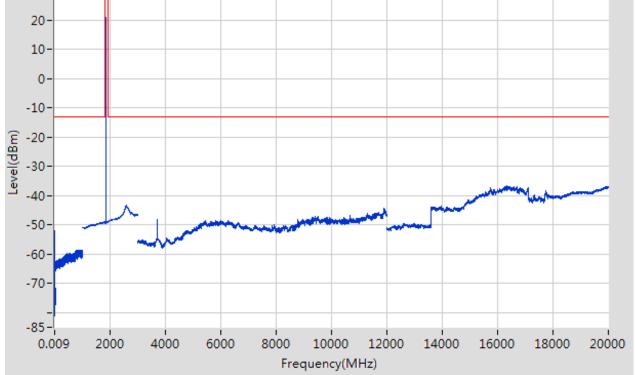
1.2. LTE Transmitter Spurious Emissions(NTNV)(Subtest:2, Channel:18607, Bandwidth:1.4, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

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	-53.24	-13	Pass	60
0.15	30	0.01	RMS	0.16	-53.24	-13	Pass	298
30	1000	0.1	RMS	940.094	-58.35	-13	Pass	970
1000	1830	1	RMS	1820.989	-48.69	-13	Pass	83
1830	1920	1	RMS	1851.15	22.12	60	Pass	60
1920	3000	1	RMS	2582.614	-43.94	-13	Pass	108
3000	12000	1	RMS	11902.989	-44.53	-13	Pass	900
12000	20000	1	RMS	16320.54	-36.74	-13	Pass	800
30- 20- 10- 0- -10- -20- -30- -40-								



1.3. LTE Transmitter Spurious Emissions(NTNV)(Subtest:3, Channel:18607, Bandwidth:1.4, Modulation:16QAM, RB Number: 1, RB Position:LOW)

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	-54.01	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52	-13	Pass	2985
30	1000	0.1	RMS	922.192	-58.53	-13	Pass	9700
1000	1830	1	RMS	1824.994	-48.72	-13	Pass	830
1830	1920	1	RMS	1850.25	21.03	60	Pass	601
1920	3000	1	RMS	2599.629	-43.4	-13	Pass	1080
3000	12000	1	RMS	11898.989	-44.5	-13	Pass	9000
12000	20000	1	RMS	16316.54	-36.77	-13	Pass	8000
30- 20- 10- 0-								





-60-

-70-

-80-

0.009

4000

2000

6000

8000

10000 12000

Frequency(MHz)

16000

14000

18000

1.4. LTE Transmitter Spurious Emissions(NTNV)(Subtest:4, Channel:18607, Bandwidth:1.4, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

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	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.05	-13	Pass	2985
30	1000	0.1	RMS	902.69	-57.99	-13	Pass	9700
1000	1830	1	RMS	1821.99	-48.73	-13	Pass	830
1830	1920	1	RMS	1851.15	21.04	60	Pass	601
1920	3000	1	RMS	2570.602	-43.43	-13	Pass	1080
3000	12000	1	RMS	11909.99	-44.37	-13	Pass	9000
12000	20000	1	RMS	16317.54	-36.71	-13	Pass	8000
30- 20- 10- 0- -10- -20- -30-								

20000



1.5. LTE Transmitter Spurious Emissions(NTNV)(Subtest:5, Channel:18900, Bandwidth:1.4, Modulation:QPSK, RB Number: 1, RB Position:LOW)

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	-53.34	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.39	-13	Pass	2985
30	1000	0.1	RMS	993.099	-58.42	-13	Pass	9700
1000	1830	1	RMS	1827.998	-48.71	-13	Pass	830
1830	1920	1	RMS	1879.5	22.16	60	Pass	601
1920	3000	1	RMS	2579.611	-43.43	-13	Pass	1080
3000	12000	1	RMS	11907.99	-44.44	-13	Pass	9000
12000	20000	1	RMS	16315.539	-36.78	-13	Pass	8000
20- 10- 0- -10- (\tilde{\tilde	2000 4000	6000		10000 12000	0 14000		Manh man	

Frequency(MHz)



1.6. LTE Transmitter Spurious Emissions(NTNV)(Subtest:6, Channel:18900, Bandwidth:1.4, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

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	-52.84	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.87	-13	Pass	2985
30	1000	0.1	RMS	882.088	-58.17	-13	Pass	9700
1000	1830	1	RMS	1826.996	-48.75	-13	Pass	830
1830	1920	1	RMS	1880.4	22.16	60	Pass	601
1920	3000	1	RMS	2580.612	-43.45	-13	Pass	1080
3000	12000	1	RMS	11905.99	-44.44	-13	Pass	9000
12000 30-	20000	1	RMS	16319.54	-36.82	-13	Pass	8000
20- 10- 0- -10- (\(\text{Wg}\)) -30- -40- -50- -60- -70- -80- 0.009	2000 4000	6000	8000	10000 12000	0 14000	16000	18000	20000

Frequency(MHz)



-60-

-70-

-80-

0.009

4000

2000

6000

8000

10000 12000

Frequency(MHz)

16000

14000

18000

20000

1.7. LTE Transmitter Spurious Emissions(NTNV)(Subtest:7, Channel:18900, Bandwidth:1.4, Modulation:16QAM, RB Number: 1, RB Position:LOW)

Start requency (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	-53.38	-13	Pass	60 ⁻
0.15	30	0.01	RMS	0.15	-52.29	-13	Pass	298
30	1000	0.1	RMS	875.087	-58.14	-13	Pass	970
1000	1830	1	RMS	1830	-48.76	-13	Pass	83
1830	1920	1	RMS	1879.5	21.21	60	Pass	60 ⁻
1920	3000	1	RMS	2571.603	-43.47	-13	Pass	1080
3000	12000	1	RMS	11900.989	-44.64	-13	Pass	900
12000	20000	1	RMS	16318.54	-36.8	-13	Pass	800
30- 20- 10- 0- -10- -20- -30-								



-60-

-70-

-80-

0.009

4000

2000

6000

8000

10000 12000

Frequency(MHz)

16000

14000

18000

1.8. LTE Transmitter Spurious Emissions(NTNV)(Subtest:8, Channel:18900, Bandwidth:1.4, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

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	-52.81	-13	Pass	60
0.15	30	0.01	RMS	0.15	-52.53	-13	Pass	298
30	1000	0.1	RMS	906.89	-58.24	-13	Pass	970
1000	1830	1	RMS	1817.986	-48.73	-13	Pass	83
1830	1920	1	RMS	1880.4	21.15	60	Pass	60
1920	3000	1	RMS	2574.606	-43.46	-13	Pass	1080
3000	12000	1	RMS	11908.99	-44.24	-13	Pass	9000
12000	20000	1	RMS	16318.54	-36.76	-13	Pass	8000
30- 20- 10- 0- -10- -20- -30-								

20000



1.9. LTE Transmitter Spurious Emissions(NTNV)(Subtest:9, Channel:19193, Bandwidth:1.4, Modulation:QPSK, RB Number: 1, RB Position:LOW)

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	-53.57	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.43	-13	Pass	2985
30	1000	0.1	RMS	910.791	-58.32	-13	Pass	9700
1000	1830	1	RMS	1814.982	-48.75	-13	Pass	830
1830	1920	1	RMS	1908.9	22.12	60	Pass	601
1920	3000	1	RMS	2570.602	-43.43	-13	Pass	1080
3000	12000	1	RMS	11908.99	-44.41	-13	Pass	9000
12000	20000	1	RMS	16315.539	-36.84	-13	Pass	8000
30- 20- 10- 0- -10-								



-70-

-80-

0.009

4000

2000

6000

8000

10000

Frequency(MHz)

12000

14000

16000

18000

20000

1.10. LTE Transmitter Spurious Emissions(NTNV)(Subtest:10, Channel:19193, Bandwidth:1.4, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

0.15 30 0.01 RMS 0.15 -51.73 -13 Pass 29 30 1000 0.1 RMS 894.889 -58.09 -13 Pass 9 1000 1830 1 RMS 1810.977 -48.75 -13 Pass 1 1830 1920 1 RMS 1909.8 22.13 60 Pass 0 1920 3000 1 RMS 2577.609 -43.49 -13 Pass 10 3000 12000 1 RMS 11906.99 -44.47 -13 Pass 90 12000 20000 1 RMS 16313.539 -36.87 -13 Pass 80	Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	0.009	0.15	0.001	RMS	0.009	-53.08	-13	Pass	601
1000 1830 1 RMS 1810.977 -48.75 -13 Pass 1830 1920 1 RMS 1909.8 22.13 60 Pass 1920 3000 1 RMS 2577.609 -43.49 -13 Pass 1930 12000 1 RMS 11906.99 -44.47 -13 Pass 9930 12000 20000 1 RMS 16313.539 -36.87 -13 Pass 8930 1000 1000 1 RMS 16313.539 -36.87 -13 Pass 8930 1000 1000 1000 1000 1000 1000 1000 1	0.15	30	0.01	RMS	0.15	-51.73	-13	Pass	2985
1830 1920 1 RMS 1909.8 22.13 60 Pass 10 1920 3000 1 RMS 2577.609 -43.49 -13 Pass 10 3000 12000 1 RMS 11906.99 -44.47 -13 Pass 90 12000 20000 1 RMS 16313.539 -36.87 -13 Pass 80 30- 20- 10- 010-	30	1000	0.1	RMS	894.889	-58.09	-13	Pass	9700
1920 3000 1 RMS 2577.609 -43.49 -13 Pass 10 3000 12000 1 RMS 11906.99 -44.47 -13 Pass 90 12000 20000 1 RMS 16313.539 -36.87 -13 Pass 80 30- 20- 10- 010-	1000	1830	1	RMS	1810.977	-48.75	-13	Pass	830
3000 12000 1 RMS 11906.99 -44.47 -13 Pass 96 12000 20000 1 RMS 16313.539 -36.87 -13 Pass 86 30- 20- 10- 010-	1830	1920	1	RMS	1909.8	22.13	60	Pass	601
12000 20000 1 RMS 16313.539 -36.87 -13 Pass 80	1920	3000	1	RMS	2577.609	-43.49	-13	Pass	1080
30- 20- 10- 0- -10-	3000	12000	1	RMS	11906.99	-44.47	-13	Pass	9000
20- 10- 0- -10-	12000	20000	1	RMS	16313.539	-36.87	-13	Pass	8000
40-	10-								



-80-

0.009

Frequency(MHz)

1.11. LTE Transmitter Spurious Emissions(NTNV)(Subtest:11, Channel:19193, Bandwidth:1.4, Modulation:16QAM, RB Number: 1, RB Position:LOW)

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	-54.66	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.92	-13	Pass	2985
30	1000	0.1	RMS	994.299	-58.41	-13	Pass	9700
1000	1830	1	RMS	1825.995	-48.7	-13	Pass	830
1830	1920	1	RMS	1908.9	21.06	60	Pass	601
1920	3000	1	RMS	2578.61	-43.88	-13	Pass	1080
3000	12000	1	RMS	11905.99	-44.45	-13	Pass	9000
12000	20000	1	RMS	16312.539	-36.8	-13	Pass	8000
30- 20- 10- 0- -10- (mgp)								



1.12. LTE Transmitter Spurious Emissions(NTNV)(Subtest:12, Channel:19193, Bandwidth:1.4, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

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	-53.55	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.37	-13	Pass	2985
30	1000	0.1	RMS	917.491	-58.29	-13	Pass	9700
1000	1830	1	RMS	1809.976	-48.77	-13	Pass	830
1830	1920	1	RMS	1909.8	21.09	60	Pass	601
1920	3000	1	RMS	2578.61	-43.9	-13	Pass	1080
3000	12000	1	RMS	11902.989	-44.55	-13	Pass	9000
12000	20000	1	RMS	16319.54	-36.8	-13	Pass	8000
20- 10- 0- -10- (mg/g) -30- -30- -40- -50- -60- -70-					,	ALLOW MANAGEMENT AND	Ment	
0.009	2000 4000	6000		i i 10000 12000 Jency(MHz)	14000	16000	18000	20000



-70-

-80-

0.009

4000

2000

6000

8000

10000 12000

Frequency(MHz)

16000

14000

18000

20000

1.13. LTE Transmitter Spurious Emissions(NTNV)(Subtest:13, Channel:18615, Bandwidth:3, Modulation:QPSK, RB Number: 1, RB Position:LOW)

0.15 30 0.01 RMS 0.15 -51.93 -13 Pass 298 30 1000 0.1 RMS 888.388 -58.27 -13 Pass 970 1000 1830 1 RMS 1821.99 -48.68 -13 Pass 83 1830 1920 1 RMS 1850.25 22.14 60 Pass 60 1920 3000 1 RMS 2576.608 -43.91 -13 Pass 108 3000 12000 1 RMS 11904.989 -44.58 -13 Pass 900	Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	0.009	0.15	0.001	RMS	0.009	-52.91	-13	Pass	60
1000 1830 1 RMS 1821.99 -48.68 -13 Pass 83 1830 1920 1 RMS 1850.25 22.14 60 Pass 60 1920 3000 1 RMS 2576.608 -43.91 -13 Pass 108 3000 12000 1 RMS 11904.989 -44.58 -13 Pass 900 12000 20000 1 RMS 16318.54 -36.7 -13 Pass 800	0.15	30	0.01	RMS	0.15	-51.93	-13	Pass	298
1830 1920 1 RMS 1850.25 22.14 60 Pass 60 1920 3000 1 RMS 2576.608 -43.91 -13 Pass 108 3000 12000 1 RMS 11904.989 -44.58 -13 Pass 900 12000 20000 1 RMS 16318.54 -36.7 -13 Pass 800	30	1000	0.1	RMS	888.388	-58.27	-13	Pass	970
1920 3000 1 RMS 2576.608 -43.91 -13 Pass 108 3000 12000 1 RMS 11904.989 -44.58 -13 Pass 900 12000 20000 1 RMS 16318.54 -36.7 -13 Pass 800	1000	1830	1	RMS	1821.99	-48.68	-13	Pass	83
3000 12000 1 RMS 11904.989 -44.58 -13 Pass 900 12000 20000 1 RMS 16318.54 -36.7 -13 Pass 800 30 - 20 - 10 - 10 - 10 - 10 - 10 - 10 - 1	1830	1920	1	RMS	1850.25	22.14	60	Pass	60
12000 20000 1 RMS 16318.54 -36.7 -13 Pass 800	1920	3000	1	RMS	2576.608	-43.91	-13	Pass	108
30- 20- 10- 0- -10-	3000	12000	1	RMS	11904.989	-44.58	-13	Pass	900
20- 10- 0- -10-	12000	20000	1	RMS	16318.54	-36.7	-13	Pass	800
	10- 0- -10-								



1.14. LTE Transmitter Spurious Emissions(NTNV)(Subtest:14, Channel:18615, Bandwidth:3, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

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	-52.05	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.03	-13	Pass	2985
30	1000	0.1	RMS	870.787	-58.3	-13	Pass	9700
1000	1830	1	RMS	1827.998	-48.67	-13	Pass	830
1830	1920	1	RMS	1852.8	22.14	60	Pass	601
1920	3000	1	RMS	2593.624	-43.9	-13	Pass	1080
3000	12000	1	RMS	11909.99	-44.43	-13	Pass	9000
12000	20000	1	RMS	16309.539	-36.74	-13	Pass	8000
30- 20- 10- 0- -10- (Egp) -30-								



-70-

-80-

0.009

4000

2000

6000

8000

10000 12000

Frequency(MHz)

16000

14000

18000

20000

1.15. LTE Transmitter Spurious Emissions(NTNV)(Subtest:15, Channel:18615, Bandwidth:3, Modulation:16QAM, RB Number: 1, RB Position:LOW)

0.009 0.15 0.001 RMS 0.01 -53.15 -13 Pass 0.15 30 0.01 RMS 0.15 -51.33 -13 Pass 30 1000 0.1 RMS 991.699 -58.09 -13 Pass 1000 1830 1 RMS 1826.996 -48.66 -13 Pass 1830 1920 1 RMS 1850.25 21.12 60 Pass 1920 3000 1 RMS 2574.606 -43.96 -13 Pass 3000 12000 1 RMS 11904.989 -44.56 -13 Pass 12000 20000 1 RMS 16316.54 -36.69 -13 Pass	Start equency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	0.009	0.15	0.001	RMS	0.01	-53.15	-13	Pass	60 ⁻
1000 1830 1 RMS 1826.996 -48.66 -13 Pass 1830 1920 1 RMS 1850.25 21.12 60 Pass 1920 3000 1 RMS 2574.606 -43.96 -13 Pass 3000 12000 1 RMS 11904.989 -44.56 -13 Pass 12000 20000 1 RMS 16316.54 -36.69 -13 Pass	0.15	30	0.01	RMS	0.15	-51.33	-13	Pass	298
1830 1920 1 RMS 1850.25 21.12 60 Pass 1920 3000 1 RMS 2574.606 -43.96 -13 Pass 3000 12000 1 RMS 11904.989 -44.56 -13 Pass 12000 20000 1 RMS 16316.54 -36.69 -13 Pass	30	1000	0.1	RMS	991.699	-58.09	-13	Pass	970
1920 3000 1 RMS 2574.606 -43.96 -13 Pass 3000 12000 1 RMS 11904.989 -44.56 -13 Pass 12000 20000 1 RMS 16316.54 -36.69 -13 Pass	1000	1830	1	RMS	1826.996	-48.66	-13	Pass	83
3000 12000 1 RMS 11904.989 -44.56 -13 Pass 12000 20000 1 RMS 16316.54 -36.69 -13 Pass 30- 20- 10- 010-	1830	1920	1	RMS	1850.25	21.12	60	Pass	60 ⁻
12000 20000 1 RMS 16316.54 -36.69 -13 Pass	1920	3000	1	RMS	2574.606	-43.96	-13	Pass	1080
30- 20- 10- 0- -10-	3000	12000	1	RMS	11904.989	-44.56	-13	Pass	9000
20- 10- 0- -10-	12000	20000	1	RMS	16316.54	-36.69	-13	Pass	800
-30-	20- 10- 0- -10- -20-								



-60-

-70-

-80-

0.009

4000

2000

6000

8000

10000 12000

Frequency(MHz)

16000

14000

18000

20000

1.16. LTE Transmitter Spurious Emissions(NTNV)(Subtest:16, Channel:18615, Bandwidth:3, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

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	-53.69	-13	Pass	601
0.15	30	0.01	RMS	0.15	-50.54	-13	Pass	298
30	1000	0.1	RMS	991.399	-57.95	-13	Pass	9700
1000	1830	1	RMS	1827.998	-48.71	-13	Pass	830
1830	1920	1	RMS	1852.8	21.21	60	Pass	601
1920	3000	1	RMS	2596.627	-43.89	-13	Pass	1080
3000	12000	1	RMS	11899.989	-44.52	-13	Pass	9000
12000	20000	1	RMS	16314.539	-36.93	-13	Pass	8000
30 - 20 - 10 - 0 - -10 - -20 - -30 - -40 -								



-80-0.009

Frequency(MHz)

1.17. LTE Transmitter Spurious Emissions(NTNV)(Subtest:17, Channel:18900, Bandwidth:3, Modulation:QPSK, RB Number: 1, RB Position:LOW)

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	-53.96	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.76	-13	Pass	2985
30	1000	0.1	RMS	884.688	-58.35	-13	Pass	9700
1000	1830	1	RMS	1827.998	-48.71	-13	Pass	830
1830	1920	1	RMS	1878.75	22.19	60	Pass	601
1920	3000	1	RMS	2591.622	-43.91	-13	Pass	1080
3000	12000	1	RMS	11909.99	-44.58	-13	Pass	9000
12000	20000	1	RMS	16317.54	-36.87	-13	Pass	8000
20- 10- 0- -10- (mg/g) -20- -30- -40- -50- -60- -70-							Men	



1.18. LTE Transmitter Spurious Emissions(NTNV)(Subtest:18, Channel:18900, Bandwidth:3, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

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	-53.35	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.86	-13	Pass	2985
30	1000	0.1	RMS	921.392	-58.22	-13	Pass	9700
1000	1830	1	RMS	1814.982	-48.7	-13	Pass	830
1830	1920	1	RMS	1881.3	22.18	60	Pass	601
1920	3000	1	RMS	2571.603	-43.93	-13	Pass	1080
3000	12000	1	RMS	11909.99	-44.47	-13	Pass	9000
12000	20000	1	RMS	19892.987	-36.88	-13	Pass	8000
30- 20- 10- 0- -10-								





-60-

-70-

-80-

0.009

4000

2000

6000

8000

10000

Frequency(MHz)

12000

14000

16000

18000

20000

1.19. LTE Transmitter Spurious Emissions(NTNV)(Subtest:19, Channel:18900, Bandwidth:3, Modulation:16QAM, RB Number: 1, RB Position:LOW)

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	-53.96	-13	Pass	601
0.15	30	0.01	RMS	0.16	-53.44	-13	Pass	2985
30	1000	0.1	RMS	926.892	-58.26	-13	Pass	9700
1000	1830	1	RMS	1806.972	-48.77	-13	Pass	830
1830	1920	1	RMS	1878.75	21.22	60	Pass	601
1920	3000	1	RMS	2580.612	-43.43	-13	Pass	1080
3000	12000	1	RMS	11902.989	-44.47	-13	Pass	9000
12000	20000	1	RMS	16316.54	-36.88	-13	Pass	8000
30- 20- 10- 0- -10- (\text{\text{\text{\$BD}}}\text{\text{\$O\$}}\text{\$O\$}\tex								



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-70-

-80-

0.009

4000

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6000

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10000 12000

Frequency(MHz)

16000

14000

18000

20000

1.20. LTE Transmitter Spurious Emissions(NTNV)(Subtest:20, Channel:18900, Bandwidth:3, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

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	-53.99	-13	Pass	601
0.15	30	0.01	RMS	0.16	-52.77	-13	Pass	2985
30	1000	0.1	RMS	935.593	-58.28	-13	Pass	9700
1000	1830	1	RMS	1814.982	-48.78	-13	Pass	830
1830	1920	1	RMS	1881.3	21.2	60	Pass	601
1920	3000	1	RMS	2567.6	-43.47	-13	Pass	1080
3000	12000	1	RMS	11909.99	-44.63	-13	Pass	9000
12000	20000	1	RMS	16417.552	-36.77	-13	Pass	8000
30- 20- 10- 0- -10- (\(\text{RB}\)) -30-								



1.21. LTE Transmitter Spurious Emissions(NTNV)(Subtest:21, Channel:19185, Bandwidth:3, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.15	0.001	RMS	0.009	-53.34	-13	Pass	601
30	0.01	RMS	0.15	-53.32	-13	Pass	2985
1000	0.1	RMS	956.095	-58.06	-13	Pass	9700
1830	1	RMS	1827.998	-48.71	-13	Pass	830
1920	1	RMS	1907.25	22.09	60	Pass	601
3000	1	RMS	2580.612	-43.45	-13	Pass	1080
12000	1	RMS	11909.99	-44.47	-13	Pass	9000
20000	1	RMS	16320.54	-36.79	-13	Pass	8000
							20000
	Frequency (MHz) 0.15 30 1000 1830 1920 3000 12000	Frequency (MHz) 0.15	Frequency (MHz) RBW (MHz) Detector 0.15 0.001 RMS 30 0.01 RMS 1000 0.1 RMS 1830 1 RMS 3000 1 RMS 12000 1 RMS 20000 1 RMS	Frequency (MHz) RBW (MHz) Detector (MHz) Frequency (MHz) 0.15 0.001 RMS 0.009 30 0.01 RMS 0.15 1000 0.1 RMS 956.095 1830 1 RMS 1827.998 1920 1 RMS 1907.25 3000 1 RMS 2580.612 12000 1 RMS 11909.99 20000 1 RMS 16320.54	Name	Color Colo	Frequency (MHz) RBW (MHz) Detector (MHz) Frequency (MBm) Power (dBm) Limit (dBm) Verdict 0.15 0.01 RMS 0.009 -53.34 -13 Pass 30 0.01 RMS 0.15 -53.32 -13 Pass 1000 0.1 RMS 956.095 -58.06 -13 Pass 1830 1 RMS 1827.998 -48.71 -13 Pass 1920 1 RMS 1907.25 22.09 60 Pass 3000 1 RMS 2580.612 -43.45 -13 Pass 20000 1 RMS 11909.99 -44.47 -13 Pass 20000 1 RMS 16320.54 -36.79 -13 Pass

Frequency(MHz)



1.22. LTE Transmitter Spurious Emissions(NTNV)(Subtest:22, Channel:19185, Bandwidth:3, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

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	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.89	-13	Pass	2985
30	1000	0.1	RMS	931.893	-58.3	-13	Pass	9700
1000	1830	1	RMS	1825.995	-48.76	-13	Pass	830
1830	1920	1	RMS	1909.8	22.14	60	Pass	601
1920	3000	1	RMS	2581.613	-43.48	-13	Pass	1080
3000	12000	1	RMS	11901.989	-44.4	-13	Pass	9000
12000 30-	20000	1	RMS	16320.54	-36.77	-13	Pass	8000
20- 10- 0- -10- (\hat{\text{MgP}}\) -30- -40- -50- -60- -70- -80- 0.009	2000 4000	6000	8000	10000 12000	0 14000	16000	18000	20000

Frequency(MHz)



-60-

-70-

-80-

0.009

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8000

10000 12000

Frequency(MHz)

16000

14000

18000

20000

1.23. LTE Transmitter Spurious Emissions(NTNV)(Subtest:23, Channel:19185, Bandwidth:3, Modulation:16QAM, RB Number: 1, RB Position:LOW)

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	-53.6	-13	Pass	60
0.15	30	0.01	RMS	0.15	-53.76	-13	Pass	298
30	1000	0.1	RMS	881.688	-58.03	-13	Pass	970
1000	1830	1	RMS	1807.973	-48.77	-13	Pass	83
1830	1920	1	RMS	1907.25	21.11	60	Pass	60
1920	3000	1	RMS	2569.601	-43.47	-13	Pass	108
3000	12000	1	RMS	11908.99	-44.46	-13	Pass	900
12000	20000	1	RMS	19993.999	-36.82	-13	Pass	800
30 - 20 - 10 - 0 - -10 - -20 - -30 - -40 -								



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Frequency(MHz)

12000

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16000

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1.24. LTE Transmitter Spurious Emissions(NTNV)(Subtest:24, Channel:19185, Bandwidth:3, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

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	-52.99	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.43	-13	Pass	2985
30	1000	0.1	RMS	914.591	-58.25	-13	Pass	9700
1000	1830	1	RMS	1819.988	-48.75	-13	Pass	830
1830	1920	1	RMS	1909.8	21.11	60	Pass	601
1920	3000	1	RMS	2594.625	-43.52	-13	Pass	1080
3000	12000	1	RMS	11909.99	-44.43	-13	Pass	9000
12000	20000	1	RMS	16415.552	-36.78	-13	Pass	8000
30- 20- 10- 0- -10- -20- -30- -40-								



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Frequency(MHz)

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1.25. LTE Transmitter Spurious Emissions(NTNV)(Subtest:25, Channel:18625, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

0.15 30 0.01 RMS 0.15 -51.88 -13 Pass 298 30 1000 0.1 RMS 943.194 -57.92 -13 Pass 970 1000 1830 1 RMS 1828.999 -48.64 -13 Pass 83 1830 1920 1 RMS 1850.4 22.18 60 Pass 60 1920 3000 1 RMS 2568.601 -43.45 -13 Pass 108 3000 12000 1 RMS 11909.99 -44.63 -13 Pass 900 12000 20000 1 RMS 16319.54 -36.81 -13 Pass 800	Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	0.009	0.15	0.001	RMS	0.009	-52.7	-13	Pass	601
1000	0.15	30	0.01	RMS	0.15	-51.88	-13	Pass	2985
1830 1920 1 RMS 1850.4 22.18 60 Pass 60 1920 3000 1 RMS 2568.601 -43.45 -13 Pass 108 3000 12000 1 RMS 11909.99 -44.63 -13 Pass 900 12000 20000 1 RMS 16319.54 -36.81 -13 Pass 800	30	1000	0.1	RMS	943.194	-57.92	-13	Pass	9700
1920 3000 1 RMS 2568.601 -43.45 -13 Pass 108 3000 12000 1 RMS 11909.99 -44.63 -13 Pass 900 12000 20000 1 RMS 16319.54 -36.81 -13 Pass 800	1000	1830	1	RMS	1828.999	-48.64	-13	Pass	830
3000 12000 1 RMS 11909.99 -44.63 -13 Pass 900 12000 20000 1 RMS 16319.54 -36.81 -13 Pass 800 30- 20- 10- 010203040-	1830	1920	1	RMS	1850.4	22.18	60	Pass	601
12000 20000 1 RMS 16319.54 -36.81 -13 Pass 800	1920	3000	1	RMS	2568.601	-43.45	-13	Pass	1080
30 - 20 - 10 10 20 30 40	3000	12000	1	RMS	11909.99	-44.63	-13	Pass	9000
20- 10- 0- -10- -20- -30- -40-	12000	20000	1	RMS	16319.54	-36.81	-13	Pass	8000
No.	20- 10- 0- -10- -20-								
-50-						*****	A CONTRACTOR		



1.26. LTE Transmitter Spurious Emissions(NTNV)(Subtest:26, Channel:18625, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

	•			•		•		
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	-53.71	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.9	-13	Pass	2985
30	1000	0.1	RMS	876.887	-58.29	-13	Pass	9700
1000	1830	1	RMS	1817.986	-48.74	-13	Pass	830
1830	1920	1	RMS	1854.6	22.14	60	Pass	601
1920	3000	1	RMS	2579.611	-43.46	-13	Pass	1080
3000	12000	1	RMS	11901.989	-44.53	-13	Pass	9000
12000	20000	1	RMS	16420.553	-36.92	-13	Pass	8000
30- 20- 10- 0- -10-								
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Frequency(MHz)

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1.27. LTE Transmitter Spurious Emissions(NTNV)(Subtest:27, Channel:18625, Bandwidth:5, Modulation:16QAM, RB Number: 1, RB Position:LOW)

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	-53.09	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.67	-13	Pass	2985
30	1000	0.1	RMS	881.588	-58.4	-13	Pass	9700
1000	1830	1	RMS	1826.996	-48.78	-13	Pass	830
1830	1920	1	RMS	1850.4	21.18	60	Pass	601
1920	3000	1	RMS	2576.608	-43.47	-13	Pass	1080
3000	12000	1	RMS	11907.99	-44.64	-13	Pass	9000
12000	20000	1	RMS	16317.54	-36.8	-13	Pass	8000
30 - 20 - 10 - 0 - -10 - -20 - -30 - -40 -								



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Frequency(MHz)

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18000

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1.28. LTE Transmitter Spurious Emissions(NTNV)(Subtest:28, Channel:18625, Bandwidth:5, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

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	-53.14	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.13	-13	Pass	298
30	1000	0.1	RMS	981.098	-57.92	-13	Pass	970
1000	1830	1	RMS	1822.992	-48.72	-13	Pass	830
1830	1920	1	RMS	1854.6	21.1	60	Pass	601
1920	3000	1	RMS	2576.608	-43.45	-13	Pass	1080
3000	12000	1	RMS	11905.99	-44.4	-13	Pass	9000
12000	20000	1	RMS	16318.54	-36.78	-13	Pass	8000
30- 20- 10- 0- -10- (mg -20- -30- -40-						- Andrewsky	Musik-	



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1.29. LTE Transmitter Spurious Emissions(NTNV)(Subtest:29, Channel:18900, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

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	0.013	-54.28	-13	Pass	601
0.15	30	0.01	RMS	0.16	-53.24	-13	Pass	2985
30	1000	0.1	RMS	911.991	-58.33	-13	Pass	9700
1000	1830	1	RMS	1817.986	-48.69	-13	Pass	830
1830	1920	1	RMS	1877.85	22.28	60	Pass	601
1920	3000	1	RMS	2572.604	-43.41	-13	Pass	1080
3000	12000	1	RMS	11899.989	-44.5	-13	Pass	9000
12000	20000	1	RMS	16423.553	-36.73	-13	Pass	8000
30- 20- 10- 0- -10- -20-								



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Frequency(MHz)

12000

14000

16000

18000

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1.30. LTE Transmitter Spurious Emissions(NTNV)(Subtest:30, Channel:18900, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

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	-54.5	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.89	-13	Pass	2985
30	1000	0.1	RMS	945.794	-58.23	-13	Pass	9700
1000	1830	1	RMS	1826.996	-48.73	-13	Pass	830
1830	1920	1	RMS	1882.2	22.18	60	Pass	601
1920	3000	1	RMS	2571.603	-43.46	-13	Pass	1080
3000	12000	1	RMS	11905.99	-44.6	-13	Pass	9000
12000	20000	1	RMS	16377.547	-36.88	-13	Pass	8000
30 - 20 - 10 - 0 - -10 - -20 - -30 - -40 -								



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Frequency(MHz)

16000

14000

18000

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1.31. LTE Transmitter Spurious Emissions(NTNV)(Subtest:31, Channel:18900, Bandwidth:5, Modulation:16QAM, RB Number: 1, RB Position:LOW)

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	-52.79	-13	Pass	601
0.15	30	0.01	RMS	0.16	-53.91	-13	Pass	298
30	1000	0.1	RMS	889.689	-56.74	-13	Pass	970
1000	1830	1	RMS	1813.981	-48.72	-13	Pass	830
1830	1920	1	RMS	1877.85	21.32	60	Pass	60′
1920	3000	1	RMS	2591.622	-43.5	-13	Pass	1080
3000	12000	1	RMS	11905.99	-44.56	-13	Pass	9000
12000	20000	1	RMS	16321.54	-36.78	-13	Pass	8000
20- 10- 0- -10-								
-20 - -30 - -40 -					, h-1.	A Prince Market	Mary	



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Frequency(MHz)

12000

14000

16000

18000

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1.32. LTE Transmitter Spurious Emissions(NTNV)(Subtest:32, Channel:18900, Bandwidth:5, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

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	-53.99	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.14	-13	Pass	2985
30	1000	0.1	RMS	947.095	-58.03	-13	Pass	9700
1000	1830	1	RMS	1811.978	-48.72	-13	Pass	830
1830	1920	1	RMS	1882.2	21.17	60	Pass	601
1920	3000	1	RMS	2588.619	-43.97	-13	Pass	1080
3000	12000	1	RMS	11900.989	-44.64	-13	Pass	9000
12000	20000	1	RMS	16418.552	-36.88	-13	Pass	8000
30- 20- 10- 0- -10- (MB) -20- -30- -40-					p	And the same of th		



-70-

-80-

0.009

4000

2000

6000

8000

10000 12000

Frequency(MHz)

16000

14000

18000

20000

1.33. LTE Transmitter Spurious Emissions(NTNV)(Subtest:33, Channel:19175, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

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	-53.77	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.17	-13	Pass	2985
30	1000	0.1	RMS	906.99	-58.08	-13	Pass	9700
1000	1830	1	RMS	1830	-48.7	-13	Pass	830
1830	1920	1	RMS	1905.3	22.15	60	Pass	601
1920	3000	1	RMS	2575.607	-43.91	-13	Pass	1080
3000	12000	1	RMS	11905.99	-44.38	-13	Pass	9000
12000	20000	1	RMS	16418.552	-36.8	-13	Pass	8000
20- 10- 0- -10- -20-								
-40 - -50 -					*****	A CONTRACTOR OF THE PARTY OF TH	Marken	



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-70-

-80-

0.009

4000

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6000

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10000 12000

Frequency(MHz)

16000

14000

18000

20000

1.34. LTE Transmitter Spurious Emissions(NTNV)(Subtest:34, Channel:19175, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

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	-53.37	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.88	-13	Pass	298
30	1000	0.1	RMS	988.899	-58.12	-13	Pass	9700
1000	1830	1	RMS	1811.978	-48.71	-13	Pass	830
1830	1920	1	RMS	1909.65	22.16	60	Pass	601
1920	3000	1	RMS	2574.606	-43.94	-13	Pass	1080
3000	12000	1	RMS	11902.989	-44.55	-13	Pass	9000
12000	20000	1	RMS	16313.539	-36.81	-13	Pass	8000
30 - 20 - 10 - 0 - -10 - -20 - -30 - -40 -							Martin	



-80-

0.009

Frequency(MHz)

1.35. LTE Transmitter Spurious Emissions(NTNV)(Subtest:35, Channel:19175, Bandwidth:5, Modulation:16QAM, RB Number: 1, RB Position:LOW)

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	-53.55	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.32	-13	Pass	2985
30	1000	0.1	RMS	902.49	-57.96	-13	Pass	9700
1000	1830	1	RMS	1813.981	-48.7	-13	Pass	830
1830	1920	1	RMS	1905.3	21.07	60	Pass	601
1920	3000	1	RMS	2596.627	-43.94	-13	Pass	1080
3000	12000	1	RMS	11901.989	-44.54	-13	Pass	9000
12000	20000	1	RMS	16315.539	-36.79	-13	Pass	8000
30- 20- 10- 0- -10- (mg/g) -30- -40- -50- -60-								



1.36. LTE Transmitter Spurious Emissions(NTNV)(Subtest:36, Channel:19175, Bandwidth:5, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

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	-51.72	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.73	-13	Pass	2985
30	1000	0.1	RMS	925.392	-57.98	-13	Pass	9700
1000	1830	1	RMS	1810.977	-48.77	-13	Pass	830
1830	1920	1	RMS	1909.65	21.04	60	Pass	601
1920	3000	1	RMS	2594.625	-43.89	-13	Pass	1080
3000	12000	1	RMS	11899.989	-44.45	-13	Pass	9000
12000	20000	1	RMS	16316.54	-36.67	-13	Pass	8000
20- 10- 0- -10- (Mg -20- -30- -40- -50- -60- -70- -80- 0.009	2000 4000	6000	8000	10000 12000	0 14000	16000	18000	20000

Frequency(MHz)



-80-

0.009

Frequency(MHz)

1.37. LTE Transmitter Spurious Emissions(NTNV)(Subtest:37, Channel:18650, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

						_		
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	-52.87	-13	Pass	601
0.15	30	0.01	RMS	0.16	-53.6	-13	Pass	2985
30	1000	0.1	RMS	969.697	-58.36	-13	Pass	9700
1000	1830	1	RMS	1827.998	-48.7	-13	Pass	830
1830	1920	1	RMS	1850.55	22.23	60	Pass	601
1920	3000	1	RMS	2591.622	-43.94	-13	Pass	1080
3000	12000	1	RMS	11911.99	-44.59	-13	Pass	9000
12000	20000	1	RMS	16309.539	-36.92	-13	Pass	8000
20- 10- 0- -10- (Mgp) -20- -30- -40- -50- -60-							N ₁ , , , , , , , , , , , , , , , , , , ,	



-80-0.009

Frequency(MHz)

1.38. LTE Transmitter Spurious Emissions(NTNV)(Subtest:38, Channel:18650, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

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	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.48	-13	Pass	2985
30	1000	0.1	RMS	940.394	-58.22	-13	Pass	9700
1000	1830	1	RMS	1825.995	-48.72	-13	Pass	830
1830	1920	1	RMS	1859.4	22.21	60	Pass	601
1920	3000	1	RMS	2574.606	-43.89	-13	Pass	1080
3000	12000	1	RMS	11906.99	-44.52	-13	Pass	9000
12000	20000	1	RMS	16318.54	-36.5	-13	Pass	8000
20- 10- 0- -10- (Egp) -30- -30- -40- -50- -60- -70-								



-70-

-80-

0.009

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2000

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8000

10000 12000

Frequency(MHz)

16000

14000

18000

20000

1.39. LTE Transmitter Spurious Emissions(NTNV)(Subtest:39, Channel:18650, Bandwidth:10, Modulation:16QAM, RB Number: 1, RB Position:LOW)

30	Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	0.009	0.15	0.001	RMS	0.009	-52.81	-13	Pass	60
1000 1830 1 RMS 1830 -48.71 -13 Pass 1830 1920 1 RMS 1850.55 21.26 60 Pass 1920 3000 1 RMS 2585.616 -43.89 -13 Pass 3000 12000 1 RMS 11902.989 -44.57 -13 Pass 12000 20000 1 RMS 19907.988 -36.82 -13 Pass	0.15	30	0.01	RMS	0.17	-53.74	-13	Pass	298
1830 1920 1 RMS 1850.55 21.26 60 Pass 1920 3000 1 RMS 2585.616 -43.89 -13 Pass 3000 12000 1 RMS 11902.989 -44.57 -13 Pass 12000 20000 1 RMS 19907.988 -36.82 -13 Pass	30	1000	0.1	RMS	921.192	-58.14	-13	Pass	970
1920 3000 1 RMS 2585.616 -43.89 -13 Pass 3000 12000 1 RMS 11902.989 -44.57 -13 Pass 12000 20000 1 RMS 19907.988 -36.82 -13 Pass	1000	1830	1	RMS	1830	-48.71	-13	Pass	83
3000 12000 1 RMS 11902.989 -44.57 -13 Pass 12000 20000 1 RMS 19907.988 -36.82 -13 Pass 30- 20- 10- 010-	1830	1920	1	RMS	1850.55	21.26	60	Pass	60
12000 20000 1 RMS 19907.988 -36.82 -13 Pass	1920	3000	1	RMS	2585.616	-43.89	-13	Pass	108
30- 20- 10- 0- -10-	3000	12000	1	RMS	11902.989	-44.57	-13	Pass	900
20- 10- 0- -10-	12000	20000	1	RMS	19907.988	-36.82	-13	Pass	800
-30-	10- 0- -10-								



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Frequency(MHz)

12000

14000

16000

18000

20000

1.40. LTE Transmitter Spurious Emissions(NTNV)(Subtest:40, Channel:18650, Bandwidth:10, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

0.009 0.15 30 1000 1830 1920 3000 12000	0.15 30 1000 1830 1920 3000 12000 20000	0.001 0.01 0.1 1 1 1	RMS RMS RMS RMS RMS RMS RMS RMS	0.012 0.15 962.696 1821.99 1859.4 2574.606 11905.99	-53.07 -52.24 -58.25 -48.73 21.34 -43.89 -44.46	-13 -13 -13 -13 60 -13	Pass Pass Pass Pass Pass Pass	60° 2983 9700 830 60°
30 1000 1830 1920 3000 12000	1000 1830 1920 3000 12000	0.1 1 1 1	RMS RMS RMS RMS RMS	962.696 1821.99 1859.4 2574.606	-58.25 -48.73 21.34 -43.89	-13 -13 60 -13	Pass Pass Pass	970 83 60
1000 1830 1920 3000 12000	1830 1920 3000 12000	1 1 1	RMS RMS RMS RMS	1821.99 1859.4 2574.606	-48.73 21.34 -43.89	-13 60 -13	Pass Pass	83 60
1830 1920 3000 12000	1920 3000 12000	1 1	RMS RMS RMS	1859.4 2574.606	21.34	60 -13	Pass	60
1920 3000 12000 30-	3000 12000	1	RMS RMS	2574.606	-43.89	-13		
3000 12000 30-	12000	1	RMS				Pass	108
12000				11905.99	-44 46			
30-	20000	1			0	-13	Pass	900
			RMS	16269.534	-36.89	-13	Pass	800
10- 0- -10- -20- -30-								



0.009

Frequency(MHz)

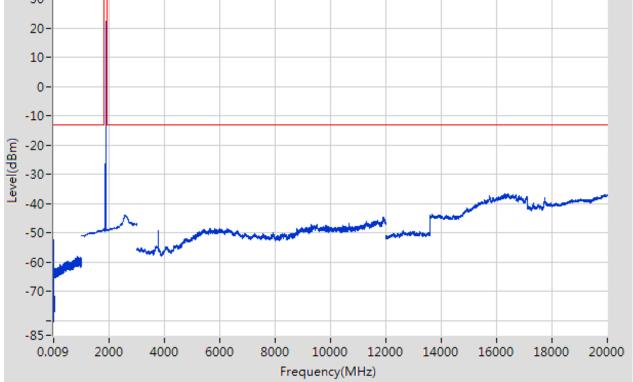
1.41. LTE Transmitter Spurious Emissions(NTNV)(Subtest:41, Channel:18900, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

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	-53.76	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.22	-13	Pass	2985
30	1000	0.1	RMS	935.993	-58.25	-13	Pass	9700
1000	1830	1	RMS	1827.998	-48.7	-13	Pass	830
1830	1920	1	RMS	1875.6	22.31	60	Pass	601
1920	3000	1	RMS	2575.607	-43.91	-13	Pass	1080
3000	12000	1	RMS	11909.99	-44.45	-13	Pass	9000
12000	20000	1	RMS	16316.54	-36.73	-13	Pass	8000
30- 20- 10- 0- -10- (\text{\text{Wgp}}\) -30- -40- -50- -60- -70-						A CONTRACTOR OF THE CONTRACTOR		



1.42. LTE Transmitter Spurious Emissions(NTNV)(Subtest:42, Channel:18900, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

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	-53.39	-13	Pass	601
0.15	30	0.01	RMS	0.16	-52.25	-13	Pass	2985
30	1000	0.1	RMS	847.384	-58.14	-13	Pass	9700
1000	1830	1	RMS	1830	-48.71	-13	Pass	830
1830	1920	1	RMS	1884.45	22.25	60	Pass	601
1920	3000	1	RMS	2579.611	-43.91	-13	Pass	1080
3000	12000	1	RMS	11906.99	-44.6	-13	Pass	9000
12000	20000	1	RMS	16420.553	-36.77	-13	Pass	8000
30- 20- 10- 0- -10-								





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-80-

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Frequency(MHz)

12000

14000

16000

18000

20000

1.43. LTE Transmitter Spurious Emissions(NTNV)(Subtest:43, Channel:18900, Bandwidth:10, Modulation:16QAM, RB Number: 1, RB Position:LOW)

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	-53.6	-13	Pass	601
0.15	30	0.01	RMS	0.16	-52.33	-13	Pass	2985
30	1000	0.1	RMS	904.49	-58.42	-13	Pass	9700
1000	1830	1	RMS	1813.981	-48.73	-13	Pass	830
1830	1920	1	RMS	1875.6	21.33	60	Pass	601
1920	3000	1	RMS	2586.617	-43.47	-13	Pass	1080
3000	12000	1	RMS	11912.99	-44.53	-13	Pass	9000
12000	20000	1	RMS	16312.539	-36.62	-13	Pass	8000
20- 10- 0- -10- (Egg) -20-								
-40- -50-			A COLUMN TO THE PARTY OF THE PA	printer and the land		A CONTRACTOR OF THE PARTY OF TH	Mun-	



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Frequency(MHz)

16000

14000

18000

20000

1.44. LTE Transmitter Spurious Emissions(NTNV)(Subtest:44, Channel:18900, Bandwidth:10, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

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	-52.67	-13	Pass	601
0.15	30	0.01	RMS	0.16	-52.55	-13	Pass	298
30	1000	0.1	RMS	874.687	-58.28	-13	Pass	970
1000	1830	1	RMS	1819.988	-48.69	-13	Pass	830
1830	1920	1	RMS	1884.45	21.21	60	Pass	60
1920	3000	1	RMS	2584.615	-43.41	-13	Pass	1080
3000	12000	1	RMS	11903.989	-44.4	-13	Pass	9000
12000	20000	1	RMS	16597.575	-36.85	-13	Pass	8000
20- 10- 0- -10- -20-								
-40-						Market Market	Muni	



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8000

10000

Frequency(MHz)

12000

14000

16000

18000

20000

1.45. LTE Transmitter Spurious Emissions(NTNV)(Subtest:45, Channel:19150, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

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	-54.2	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.98	-13	Pass	2985
30	1000	0.1	RMS	917.592	-57.99	-13	Pass	9700
1000	1830	1	RMS	1827.998	-48.73	-13	Pass	830
1830	1920	1	RMS	1900.65	22.18	60	Pass	601
1920	3000	1	RMS	2582.614	-43.51	-13	Pass	1080
3000	12000	1	RMS	11909.99	-44.47	-13	Pass	9000
12000	20000	1	RMS	16314.539	-36.83	-13	Pass	8000
30- 20- 10- 0- -10- (\overline{\text{W}_2} -20-								



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8000

10000

Frequency(MHz)

12000

14000

16000

18000

20000

1.46. LTE Transmitter Spurious Emissions(NTNV)(Subtest:46, Channel:19150, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

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	-52.98	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.57	-13	Pass	2985
30	1000	0.1	RMS	914.091	-58.29	-13	Pass	9700
1000	1830	1	RMS	1817.986	-48.74	-13	Pass	830
1830	1920	1	RMS	1909.35	22.18	60	Pass	601
1920	3000	1	RMS	2580.612	-43.39	-13	Pass	1080
3000	12000	1	RMS	11904.989	-44.39	-13	Pass	9000
12000	20000	1	RMS	16418.552	-36.8	-13	Pass	8000
30- 20- 10- 0- -10- (\hat{\text{gg}}\) -30- -40- -50-							Men	



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10000 12000

Frequency(MHz)

16000

14000

18000

20000

1.47. LTE Transmitter Spurious Emissions(NTNV)(Subtest:47, Channel:19150, Bandwidth:10, Modulation:16QAM, RB Number: 1, RB Position:LOW)

0.15 30 0.01 RMS 0.15 -52.45 -13 Pass 298 30 1000 0.1 RMS 948.895 -58.26 -13 Pass 970 1000 1830 1 RMS 1820.989 -48.76 -13 Pass 83 1830 1920 1 RMS 1900.65 21.24 60 Pass 60 1920 3000 1 RMS 2576.608 -43.44 -13 Pass 108 3000 12000 1 RMS 11899.989 -44.33 -13 Pass 900	Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	0.009	0.15	0.001	RMS	0.009	-51.31	-13	Pass	60
1000 1830 1 RMS 1820.989 -48.76 -13 Pass 83 1830 1920 1 RMS 1900.65 21.24 60 Pass 60 1920 3000 1 RMS 2576.608 -43.44 -13 Pass 108 3000 12000 1 RMS 11899.989 -44.33 -13 Pass 900 12000 20000 1 RMS 16314.539 -36.84 -13 Pass 800	0.15	30	0.01	RMS	0.15	-52.45	-13	Pass	298
1830 1920 1 RMS 1900.65 21.24 60 Pass 60 1920 3000 1 RMS 2576.608 -43.44 -13 Pass 108 3000 12000 1 RMS 11899.989 -44.33 -13 Pass 900 12000 20000 1 RMS 16314.539 -36.84 -13 Pass 800	30	1000	0.1	RMS	948.895	-58.26	-13	Pass	970
1920 3000 1 RMS 2576.608 -43.44 -13 Pass 108 3000 12000 1 RMS 11899.989 -44.33 -13 Pass 900 12000 20000 1 RMS 16314.539 -36.84 -13 Pass 800	1000	1830	1	RMS	1820.989	-48.76	-13	Pass	83
3000 12000 1 RMS 11899.989 -44.33 -13 Pass 900 12000 20000 1 RMS 16314.539 -36.84 -13 Pass 800	1830	1920	1	RMS	1900.65	21.24	60	Pass	60 ⁻
12000 20000 1 RMS 16314.539 -36.84 -13 Pass 800	1920	3000	1	RMS	2576.608	-43.44	-13	Pass	1080
30- 20- 10- 0- -10-	3000	12000	1	RMS	11899.989	-44.33	-13	Pass	9000
20- 10- 0- -10-	12000	20000	1	RMS	16314.539	-36.84	-13	Pass	800
	10- 0- -10-								



1.48. LTE Transmitter Spurious Emissions(NTNV)(Subtest:48, Channel:19150, Bandwidth:10, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

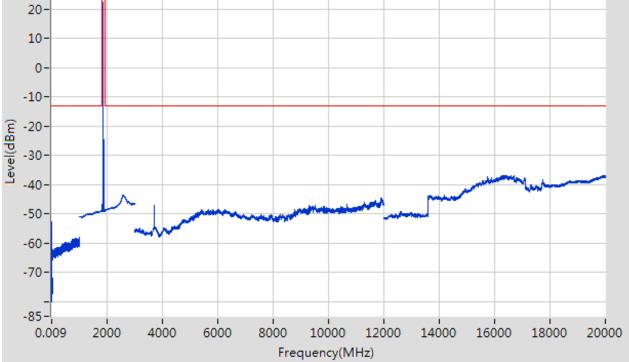
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-53.58	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.5	-13	Pass	2985
30	1000	0.1	RMS	848.184	-58.26	-13	Pass	9700
1000	1830	1	RMS	1824.994	-48.74	-13	Pass	830
1830	1920	1	RMS	1909.35	21.14	60	Pass	601
1920	3000	1	RMS	2578.61	-43.46	-13	Pass	1080
3000	12000	1	RMS	11910.99	-44.4	-13	Pass	9000
12000	20000	1	RMS	16318.54	-36.72	-13	Pass	8000
20- 10- 0- -10- (\(\mathbb{\text{Wgp}}\) 0-20- -30- -40- -50- -60- -70- -80- 0.009	2000 4000	6000	8000	10000 12000	0 14000	16000	18000	20000

10000 Frequency(MHz)



1.49. LTE Transmitter Spurious Emissions(NTNV)(Subtest:49, Channel:18675, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:LOW)

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	-53.32	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.87	-13	Pass	2985
30	1000	0.1	RMS	996.5	-58.08	-13	Pass	9700
1000	1830	1	RMS	1823.993	-46.77	-13	Pass	830
1830	1920	1	RMS	1850.85	22.28	60	Pass	601
1920	3000	1	RMS	2575.607	-43.47	-13	Pass	1080
3000	12000	1	RMS	11906.99	-44.56	-13	Pass	9000
12000	20000	1	RMS	16690.586	-36.89	-13	Pass	8000
30- 20- 10- 0- -10-								





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Frequency(MHz)

16000

14000

18000

20000

1.50. LTE Transmitter Spurious Emissions(NTNV)(Subtest:50, Channel:18675, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

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	-53.77	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.7	-13	Pass	2985
30	1000	0.1	RMS	977.798	-58.41	-13	Pass	9700
1000	1830	1	RMS	1821.99	-48.73	-13	Pass	830
1830	1920	1	RMS	1864.2	22.24	60	Pass	601
1920	3000	1	RMS	2581.613	-43.46	-13	Pass	1080
3000	12000	1	RMS	11904.989	-44.56	-13	Pass	9000
12000	20000	1	RMS	16317.54	-36.77	-13	Pass	8000
20- 10- 0- -10- (mg -20- -30- -40- -50-						A CONTRACTOR OF THE PARTY OF TH	Manh	



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Frequency(MHz)

12000

14000

16000

18000

20000

1.51. LTE Transmitter Spurious Emissions(NTNV)(Subtest:51, Channel:18675, Bandwidth:15, Modulation:16QAM, RB Number: 1, RB Position:LOW)

0.15 30 0.01 RMS 0.16 -52.23 -13 Pass 298 30 1000 0.1 RMS 873.587 -58.08 -13 Pass 970 1000 1830 1 RMS 1823.993 -46.99 -13 Pass 83 1830 1920 1 RMS 1850.85 21.32 60 Pass 60 1920 3000 1 RMS 2591.622 -43.47 -13 Pass 108 3000 12000 1 RMS 11907.99 -44.61 -13 Pass 900	Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	0.009	0.15	0.001	RMS	0.009	-53.15	-13	Pass	601
1000 1830 1 RMS 1823.993 -46.99 -13 Pass 83 1830 1920 1 RMS 1850.85 21.32 60 Pass 60 1920 3000 1 RMS 2591.622 -43.47 -13 Pass 108 3000 12000 1 RMS 11907.99 -44.61 -13 Pass 900 12000 20000 1 RMS 16314.539 -36.76 -13 Pass 800	0.15	30	0.01	RMS	0.16	-52.23	-13	Pass	2985
1830 1920 1 RMS 1850.85 21.32 60 Pass 60 1920 3000 1 RMS 2591.622 -43.47 -13 Pass 108 3000 12000 1 RMS 11907.99 -44.61 -13 Pass 900 12000 20000 1 RMS 16314.539 -36.76 -13 Pass 800	30	1000	0.1	RMS	873.587	-58.08	-13	Pass	9700
1920 3000 1 RMS 2591.622 -43.47 -13 Pass 108 3000 12000 1 RMS 11907.99 -44.61 -13 Pass 900 12000 20000 1 RMS 16314.539 -36.76 -13 Pass 800	1000	1830	1	RMS	1823.993	-46.99	-13	Pass	830
3000 12000 1 RMS 11907.99 -44.61 -13 Pass 900 12000 20000 1 RMS 16314.539 -36.76 -13 Pass 800	1830	1920	1	RMS	1850.85	21.32	60	Pass	601
12000 20000 1 RMS 16314.539 -36.76 -13 Pass 800	1920	3000	1	RMS	2591.622	-43.47	-13	Pass	1080
30- 20- 10- 0- -10-	3000	12000	1	RMS	11907.99	-44.61	-13	Pass	9000
20- 10- 010-	12000	20000	1	RMS	16314.539	-36.76	-13	Pass	8000
40-	10- 0- -10-								



-70

-85-

0.009

2000

1.52. LTE Transmitter Spurious Emissions(NTNV)(Subtest:52, Channel:18675, Bandwidth:15, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

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	-52.69	-13	Pass	601
0.15	30	0.01	RMS	0.15	-50.9	-13	Pass	2985
30	1000	0.1	RMS	913.591	-58.01	-13	Pass	9700
1000	1830	1	RMS	1825.995	-48.71	-13	Pass	830
1830	1920	1	RMS	1864.2	21.4	60	Pass	601
1920	3000	1	RMS	2574.606	-43.44	-13	Pass	1080
3000	12000	1	RMS	11910.99	-44.48	-13	Pass	9000
12000	20000	1	RMS	16320.54	-36.79	-13	Pass	8000
20- 10- 0- -10- (m-20- -30- -40- -50-						A CONTRACTOR OF THE PARTY OF TH		

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Frequency(MHz)

14000

18000

16000

20000



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Frequency(MHz)

12000

14000

16000

18000

20000

1.53. LTE Transmitter Spurious Emissions(NTNV)(Subtest:53, Channel:18900, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:LOW)

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	-53.23	-13	Pass	601
0.15	30	0.01	RMS	0.16	-52.49	-13	Pass	2985
30	1000	0.1	RMS	913.091	-58.26	-13	Pass	9700
1000	1830	1	RMS	1830	-48.73	-13	Pass	830
1830	1920	1	RMS	1873.35	22.33	60	Pass	601
1920	3000	1	RMS	2579.611	-43.45	-13	Pass	1080
3000	12000	1	RMS	11908.99	-44.59	-13	Pass	9000
12000	20000	1	RMS	16317.54	-36.76	-13	Pass	8000
30- 20- 10- 0- -10- -20- -30- -40-						and the second	Municipality	



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Frequency(MHz)

16000

14000

18000

20000

1.54. LTE Transmitter Spurious Emissions(NTNV)(Subtest:54, Channel:18900, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

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	-52.47	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.01	-13	Pass	298
30	1000	0.1	RMS	961.796	-58.23	-13	Pass	970
1000	1830	1	RMS	1830	-48.7	-13	Pass	830
1830	1920	1	RMS	1886.7	22.29	60	Pass	601
1920	3000	1	RMS	2577.609	-43.45	-13	Pass	1080
3000	12000	1	RMS	11908.99	-44.62	-13	Pass	9000
12000	20000	1	RMS	16388.549	-36.86	-13	Pass	8000
30- 20- 10- 0- -10- (Egg) -30- -40-						August Market Ma		



1.55. LTE Transmitter Spurious Emissions(NTNV)(Subtest:55, Channel:18900, Bandwidth:15, Modulation:16QAM, RB Number: 1, RB Position:LOW)

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	-51.37	-13	Pass	601
0.15	30	0.01	RMS	0.16	-52.01	-13	Pass	2985
30	1000	0.1	RMS	866.186	-58.17	-13	Pass	9700
1000	1830	1	RMS	1816.984	-48.74	-13	Pass	830
1830	1920	1	RMS	1873.35	21.38	60	Pass	601
1920	3000	1	RMS	2572.604	-43.46	-13	Pass	1080
3000	12000	1	RMS	11906.99	-44.43	-13	Pass	9000
12000	20000	1	RMS	16318.54	-36.67	-13	Pass	8000
20- 10- 0- -10- (\(\text{Wgp}\) -30- -40- -50- -60- -70- -80- 0.009	2000 4000	6000	8000	10000 12000	0 14000	16000	18000	20000

Frequency(MHz)



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0.009

Frequency(MHz)

1.56. LTE Transmitter Spurious Emissions(NTNV)(Subtest:56, Channel:18900, Bandwidth:15, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

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	-53.83	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.04	-13	Pass	2985
30	1000	0.1	RMS	966.597	-58.25	-13	Pass	9700
1000	1830	1	RMS	1827.998	-48.77	-13	Pass	830
1830	1920	1	RMS	1886.7	21.22	60	Pass	601
1920	3000	1	RMS	2568.601	-43.43	-13	Pass	1080
3000	12000	1	RMS	11902.989	-44.38	-13	Pass	9000
12000	20000	1	RMS	16319.54	-36.8	-13	Pass	8000
30- 20- 10- 0- -10- (\(\text{Wg}\)) -30- -40- -50-						A COLOR MAN		



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Frequency(MHz)

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1.57. LTE Transmitter Spurious Emissions(NTNV)(Subtest:57, Channel:19125, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:LOW)

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	-52.8	-13	Pass	601
0.15	30	0.01	RMS	0.17	-53.35	-13	Pass	2985
30	1000	0.1	RMS	930.193	-58.19	-13	Pass	9700
1000	1830	1	RMS	1830	-48.74	-13	Pass	830
1830	1920	1	RMS	1895.85	22.28	60	Pass	601
1920	3000	1	RMS	2574.606	-43.47	-13	Pass	1080
3000	12000	1	RMS	11905.99	-44.59	-13	Pass	9000
12000	20000	1	RMS	16416.552	-36.83	-13	Pass	8000
30- 20- 10- 0- -10- -20- -30-								



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Frequency(MHz)

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1.58. LTE Transmitter Spurious Emissions(NTNV)(Subtest:58, Channel:19125, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

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	-52.35	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.52	-13	Pass	298
30	1000	0.1	RMS	908.591	-58.01	-13	Pass	9700
1000	1830	1	RMS	1821.99	-48.72	-13	Pass	830
1830	1920	1	RMS	1909.2	22.24	60	Pass	601
1920	3000	1	RMS	2566.599	-43.47	-13	Pass	1080
3000	12000	1	RMS	11909.99	-44.66	-13	Pass	9000
12000	20000	1	RMS	16386.548	-36.76	-13	Pass	8000
20- 10- 0- -10-								
-20- -30- -40-				Made and the state of the state	, , , , , , , , , , , , , , , , , , ,	Andrew Market	Mush	

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Frequency(MHz)

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1.59. LTE Transmitter Spurious Emissions(NTNV)(Subtest:59, Channel:19125, Bandwidth:15, Modulation:16QAM, RB Number: 1, RB Position:LOW)

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	-52.67	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.82	-13	Pass	298
30	1000	0.1	RMS	899.19	-58	-13	Pass	970
1000	1830	1	RMS	1820.989	-48.75	-13	Pass	830
1830	1920	1	RMS	1895.85	21.36	60	Pass	60
1920	3000	1	RMS	2597.627	-43.41	-13	Pass	1080
3000	12000	1	RMS	11909.99	-44.52	-13	Pass	9000
12000	20000	1	RMS	16310.539	-36.82	-13	Pass	8000
30- 20- 10- 0- -10- -20-								
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Frequency(MHz)

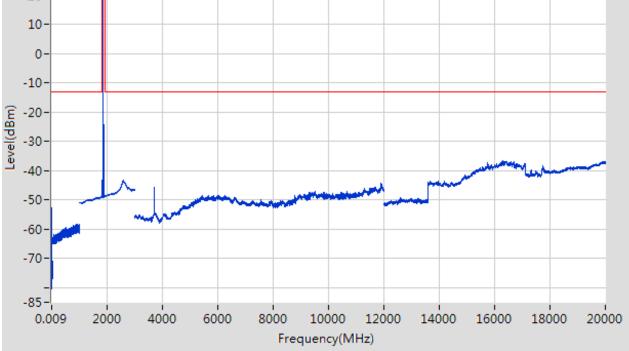
1.60. LTE Transmitter Spurious Emissions(NTNV)(Subtest:60, Channel:19125, Bandwidth:15, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

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	-53.48	-13	Pass	601
0.15	30	0.01	RMS	0.16	-52.39	-13	Pass	2985
30	1000	0.1	RMS	802.08	-58.03	-13	Pass	9700
1000	1830	1	RMS	1830	-48.7	-13	Pass	830
1830	1920	1	RMS	1909.2	21.22	60	Pass	601
1920	3000	1	RMS	2577.609	-43.47	-13	Pass	1080
3000	12000	1	RMS	11908.99	-44.54	-13	Pass	9000
12000	20000	1	RMS	16313.539	-36.81	-13	Pass	8000
20- 10- 0- -10- (\hat{\text{E}}\text{Bp}\)-30- -40- -50- -60-							ru _{lund}	



1.61. LTE Transmitter Spurious Emissions(NTNV)(Subtest:61, Channel:18700, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)

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	-53.43	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.74	-13	Pass	2985
30	1000	0.1	RMS	877.687	-58.33	-13	Pass	9700
1000	1830	1	RMS	1815.983	-48.28	-13	Pass	830
1830	1920	1	RMS	1851.15	22.32	60	Pass	601
1920	3000	1	RMS	2579.611	-43.45	-13	Pass	1080
3000	12000	1	RMS	11899.989	-44.46	-13	Pass	9000
12000	20000	1	RMS	16311.539	-36.73	-13	Pass	8000
30- 20- 10- 0- -10- \hat{\varepsilon} -20-								





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Frequency(MHz)

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1.62. LTE Transmitter Spurious Emissions(NTNV)(Subtest:62, Channel:18700, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

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	-53.57	-13	Pass	601
0.15	30	0.01	RMS	0.16	-52.97	-13	Pass	2985
30	1000	0.1	RMS	893.989	-58.26	-13	Pass	9700
1000	1830	1	RMS	1830	-48.71	-13	Pass	830
1830	1920	1	RMS	1868.85	22.31	60	Pass	601
1920	3000	1	RMS	2577.609	-43.45	-13	Pass	1080
3000	12000	1	RMS	11901.989	-44.51	-13	Pass	9000
12000	20000	1	RMS	16273.534	-36.87	-13	Pass	8000
30 - 20 - 10 - 0 - -10 - -20 - -30 - -40 -						- Alexandra (MA 1 -	



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Frequency(MHz)

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1.63. LTE Transmitter Spurious Emissions(NTNV)(Subtest:63, Channel:18700, Bandwidth:20, Modulation:16QAM, RB Number: 1, RB Position:LOW)

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	-52.4	-13	Pass	60′
0.15	30	0.01	RMS	0.16	-52.73	-13	Pass	298
30	1000	0.1	RMS	992.899	-58.11	-13	Pass	970
1000	1830	1	RMS	1814.982	-48.48	-13	Pass	83
1830	1920	1	RMS	1851.15	21.32	60	Pass	60 ⁻
1920	3000	1	RMS	2577.609	-43.44	-13	Pass	1080
3000	12000	1	RMS	11909.99	-44.56	-13	Pass	9000
12000	20000	1	RMS	16310.539	-36.8	-13	Pass	800
20- 10- 0- -10-								
-20 - -30 - -40 -				Mark and the state of the state of	A	phone Marie Care	~w~	



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Frequency(MHz)

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1.64. LTE Transmitter Spurious Emissions(NTNV)(Subtest:64, Channel:18700, Bandwidth:20, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

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	-53.96	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.13	-13	Pass	2985
30	1000	0.1	RMS	921.092	-58.24	-13	Pass	9700
1000	1830	1	RMS	1830	-48.72	-13	Pass	830
1830	1920	1	RMS	1868.85	21.48	60	Pass	601
1920	3000	1	RMS	2595.626	-43.47	-13	Pass	1080
3000	12000	1	RMS	11905.99	-44.48	-13	Pass	9000
12000	20000	1	RMS	16320.54	-36.74	-13	Pass	8000
20- 10- 0- -10- (Egg) -20-								
-40 - -50 -		,	~	Market		A CONTRACTOR OF THE PARTY OF TH	Mind	



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Frequency(MHz)

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14000

16000

18000

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1.65. LTE Transmitter Spurious Emissions(NTNV)(Subtest:65, Channel:18900, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)

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	-53.25	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.64	-13	Pass	2985
30	1000	0.1	RMS	963.196	-58.38	-13	Pass	9700
1000	1830	1	RMS	1821.99	-48.76	-13	Pass	830
1830	1920	1	RMS	1871.1	22.37	60	Pass	601
1920	3000	1	RMS	2574.606	-43.45	-13	Pass	1080
3000	12000	1	RMS	11909.99	-44.6	-13	Pass	9000
12000	20000	1	RMS	16415.552	-36.83	-13	Pass	8000
30- 20- 10- 0- -10- Eng-20-								



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0.009

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Frequency(MHz)

12000

14000

16000

18000

20000

1.66. LTE Transmitter Spurious Emissions(NTNV)(Subtest:66, Channel:18900, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

0.009 0.15 0.001 RMS 0.009 -52.75 -13 Pass 0.15 30 0.01 RMS 0.17 -52.93 -13 Pass 30 1000 0.1 RMS 926.492 -58.35 -13 Pass 1000 1830 1 RMS 1815.983 -48.73 -13 Pass 1830 1920 1 RMS 1888.95 22.3 60 Pass 1920 3000 1 RMS 2600.63 -43.47 -13 Pass 3000 12000 1 RMS 11906.99 -44.37 -13 Pass 12000 20000 1 RMS 16315.539 -36.82 -13 Pass	art uency Hz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	0.009	0.15	0.001	RMS	0.009	-52.75	-13	Pass	601
1000 1830 1 RMS 1815.983 -48.73 -13 Pass 1830 1920 1 RMS 1888.95 22.3 60 Pass 1920 3000 1 RMS 2600.63 -43.47 -13 Pass 3000 12000 1 RMS 11906.99 -44.37 -13 Pass 12000 20000 1 RMS 16315.539 -36.82 -13 Pass	0.15	30	0.01	RMS	0.17	-52.93	-13	Pass	2985
1830 1920 1 RMS 1888.95 22.3 60 Pass 1920 3000 1 RMS 2600.63 -43.47 -13 Pass 3000 12000 1 RMS 11906.99 -44.37 -13 Pass 12000 20000 1 RMS 16315.539 -36.82 -13 Pass	30	1000	0.1	RMS	926.492	-58.35	-13	Pass	9700
1920 3000 1 RMS 2600.63 -43.47 -13 Pass 3000 12000 1 RMS 11906.99 -44.37 -13 Pass 12000 20000 1 RMS 16315.539 -36.82 -13 Pass	1000	1830	1	RMS	1815.983	-48.73	-13	Pass	830
3000 12000 1 RMS 11906.99 -44.37 -13 Pass 12000 20000 1 RMS 16315.539 -36.82 -13 Pass	1830	1920	1	RMS	1888.95	22.3	60	Pass	601
12000 20000 1 RMS 16315.539 -36.82 -13 Pass	1920	3000	1	RMS	2600.63	-43.47	-13	Pass	1080
30- 20- 10- 0-	3000	12000	1	RMS	11906.99	-44.37	-13	Pass	9000
20-	12000	20000	1	RMS	16315.539	-36.82	-13	Pass	8000
-20- -30- -40-	-								



1.67. LTE Transmitter Spurious Emissions(NTNV)(Subtest:67, Channel:18900, Bandwidth:20, Modulation:16QAM, RB Number: 1, RB Position:LOW)

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	-54.08	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.19	-13	Pass	2985
30	1000	0.1	RMS	917.491	-58.28	-13	Pass	9700
1000	1830	1	RMS	1822.992	-48.74	-13	Pass	830
1830	1920	1	RMS	1871.1	21.38	60	Pass	601
1920	3000	1	RMS	2583.614	-43.44	-13	Pass	1080
3000	12000	1	RMS	11904.989	-44.5	-13	Pass	9000
12000 30-	20000	1	RMS	16316.54	-36.63	-13	Pass	8000
20- 10- 0- -10- (mgp) -30- -30- -40- -50- -60- -70- -80- 0.009	2000 4000	6000	8000	10000 12000	0 14000	16000	18000	20000

Frequency(MHz)



1.68. LTE Transmitter Spurious Emissions(NTNV)(Subtest:68, Channel:18900, Bandwidth:20, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

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	-52.57	-13	Pass	601
0.15	30	0.01	RMS	0.16	-53	-13	Pass	2985
30	1000	0.1	RMS	915.791	-58.41	-13	Pass	9700
1000	1830	1	RMS	1825.995	-48.73	-13	Pass	830
1830	1920	1	RMS	1888.95	21.23	60	Pass	601
1920	3000	1	RMS	2597.627	-43.45	-13	Pass	1080
3000	12000	1	RMS	11907.99	-44.48	-13	Pass	9000
12000	20000	1	RMS	19989.999	-36.8	-13	Pass	8000
30- 20- 10- 0- -10- (\tilde{\t								

6000

4000

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2000

8000

Frequency(MHz)

10000 12000 14000 16000

18000

20000



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0.009

Frequency(MHz)

1.69. LTE Transmitter Spurious Emissions(NTNV)(Subtest:69, Channel:19100, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)

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	-53.13	-13	Pass	601
0.15	30	0.01	RMS	0.17	-52.53	-13	Pass	2985
30	1000	0.1	RMS	880.688	-57.95	-13	Pass	9700
1000	1830	1	RMS	1827.998	-48.7	-13	Pass	830
1830	1920	1	RMS	1891.05	22.31	60	Pass	601
1920	3000	1	RMS	2584.615	-43.47	-13	Pass	1080
3000	12000	1	RMS	11908.99	-44.42	-13	Pass	9000
12000	20000	1	RMS	16314.539	-36.72	-13	Pass	8000
20- 10- 0- -10- (mgp) -30- -30- -40- -50- -60-							Manh	



1.70. LTE Transmitter Spurious Emissions(NTNV)(Subtest:70, Channel:19100, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

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	-53.88	-13	Pass	601
0.15	30	0.01	RMS	0.16	-52.12	-13	Pass	2985
30	1000	0.1	RMS	997.5	-58.03	-13	Pass	9700
1000	1830	1	RMS	1830	-48.75	-13	Pass	830
1830	1920	1	RMS	1908.9	22.26	60	Pass	601
1920	3000	1	RMS	2578.61	-43.44	-13	Pass	1080
3000	12000	1	RMS	11903.989	-44.55	-13	Pass	9000
12000	20000	1	RMS	16320.54	-36.83	-13	Pass	8000
20- 10- 0- -10- (mg-20- -30- -40- -50- -60- -70- -80- 0.009	2000 4000	6000	8000	10000 12000	0 14000	16000	18000	20000

Frequency(MHz)



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-70-

-80-

0.009

4000

2000

6000

8000

10000 12000

Frequency(MHz)

16000

14000

18000

20000

1.71. LTE Transmitter Spurious Emissions(NTNV)(Subtest:71, Channel:19100, Bandwidth:20, Modulation:16QAM, RB Number: 1, RB Position:LOW)

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	-52.21	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.31	-13	Pass	298
30	1000	0.1	RMS	1000	-58.33	-13	Pass	970
1000	1830	1	RMS	1830	-48.75	-13	Pass	830
1830	1920	1	RMS	1891.05	21.25	60	Pass	601
1920	3000	1	RMS	2591.622	-43.49	-13	Pass	1080
3000	12000	1	RMS	11904.989	-44.62	-13	Pass	9000
12000	20000	1	RMS	16314.539	-36.65	-13	Pass	8000
30- 20- 10- 0- -10- (\tilde{\text{Egp}}\) -30- -40-						A CONTRACTOR OF THE PARTY OF TH	Mul	



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0.009

4000

2000

6000

8000

10000 12000

Frequency(MHz)

14000

1.72. LTE Transmitter Spurious Emissions(NTNV)(Subtest:72, Channel:19100, Bandwidth:20, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

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	-53.14	-13	Pass	601
0.15	30	0.01	RMS	0.17	-52.98	-13	Pass	2985
30	1000	0.1	RMS	939.994	-58.1	-13	Pass	9700
1000	1830	1	RMS	1828.999	-48.74	-13	Pass	830
1830	1920	1	RMS	1908.9	21.17	60	Pass	601
1920	3000	1	RMS	2573.605	-43.44	-13	Pass	1080
3000	12000	1	RMS	11904.989	-44.38	-13	Pass	9000
12000	20000	1	RMS	16315.539	-36.72	-13	Pass	8000
30- 20- 10- 0- -10- (mgp) -30- -30- -40- -50- -60- -70-								

18000

16000

20000



END