

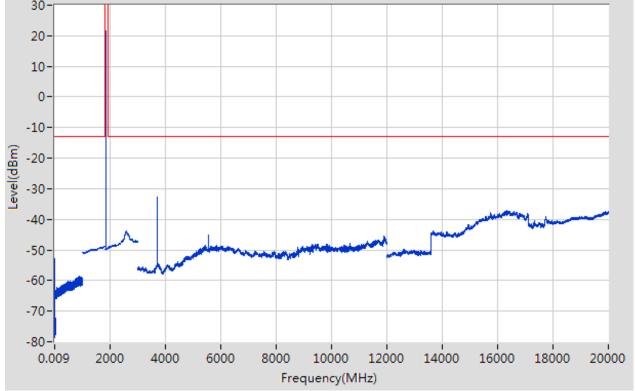
#### **Annex C. LTE Transmitter Spurious Emissions**



#### 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	-53.75	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.98	-13	Pass	2985
30	1000	0.1	RMS	896.189	-58.66	-13	Pass	9700
1000	1830	1	RMS	1817.986	-48.65	-13	Pass	830
1830	1920	1	RMS	1850.25	21.69	60	Pass	601
1920	3000	1	RMS	2594.625	-43.94	-13	Pass	1080
3000	12000	1	RMS	3700.078	-32.63	-13	Pass	9000
12000	20000	1	RMS	16321.54	-37.2	-13	Pass	8000
30- 20- 10-								





-50-

-60-

-70-

-80-

0.009

4000

2000

6000

8000

10000 12000

Frequency(MHz)

14000

16000

18000

## 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	0.013	-53.75	-13	Pass	60
0.15	30	0.01	RMS	0.16	-54.26	-13	Pass	298
30	1000	0.1	RMS	926.392	-58.76	-13	Pass	970
1000	1830	1	RMS	1813.981	-49.18	-13	Pass	83
1830	1920	1	RMS	1851.15	21.7	60	Pass	60
1920	3000	1	RMS	2580.612	-43.91	-13	Pass	1080
3000	12000	1	RMS	3702.078	-31.93	-13	Pass	900
12000	20000	1	RMS	16320.54	-37.21	-13	Pass	800
30- 20- 10- 0- -10- -20- -30-							Mun	

20000



## 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	0.009	-53.05	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.52	-13	Pass	2985
30	1000	0.1	RMS	998.3	-58.36	-13	Pass	9700
1000	1830	1	RMS	1821.99	-49.17	-13	Pass	830
1830	1920	1	RMS	1850.25	20.69	60	Pass	601
1920	3000	1	RMS	2590.621	-43.88	-13	Pass	1080
3000	12000	1	RMS	3700.078	-33.72	-13	Pass	9000
12000	20000	1	RMS	16380.548	-37.09	-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

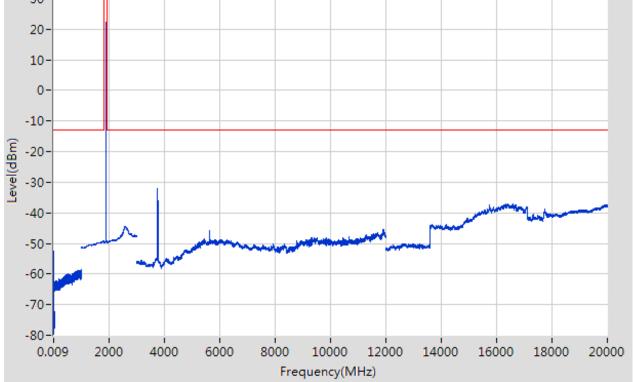
## 1.4. LTE Transmitter Spurious Emissions(NTNV)(Subtest:4, Channel:18607, Bandwidth:1.4, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

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	-53.15	-13	Pass	60′
0.15	30	0.01	RMS	0.15	-52.92	-13	Pass	298
30	1000	0.1	RMS	911.591	-58.57	-13	Pass	970
1000	1830	1	RMS	1828.999	-49.13	-13	Pass	83
1830	1920	1	RMS	1851.15	20.67	60	Pass	60
1920	3000	1	RMS	2578.61	-43.89	-13	Pass	108
3000	12000	1	RMS	3702.078	-33.07	-13	Pass	900
12000	20000	1	RMS	16319.54	-37.01	-13	Pass	800
20 - 10 - 0 - -10 - -20 -								
-40-		1			Personal	parameter and the same	ed when	



## 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	-53.96	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.48	-13	Pass	2985
30	1000	0.1	RMS	982.098	-58.69	-13	Pass	9700
1000	1830	1	RMS	1812.979	-49.09	-13	Pass	830
1830	1920	1	RMS	1879.5	22.21	60	Pass	601
1920	3000	1	RMS	2568.601	-44.36	-13	Pass	1080
3000	12000	1	RMS	3759.084	-32.05	-13	Pass	9000
12000	20000	1	RMS	16421.553	-36.97	-13	Pass	8000
30- 20- 10- 0-								





## 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	0.01	-54.25	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.69	-13	Pass	2985
30	1000	0.1	RMS	889.289	-58.47	-13	Pass	9700
1000	1830	1	RMS	1809.976	-49.07	-13	Pass	830
1830	1920	1	RMS	1880.4	22.17	60	Pass	601
1920	3000	1	RMS	2570.602	-44.28	-13	Pass	1080
3000	12000	1	RMS	3761.085	-32.31	-13	Pass	9000
12000	20000	1	RMS	16311.539	-36.99	-13	Pass	8000
30- 20- 10- 0- -10- (mg-20- -30- -40- -50- -60- -70-						A CONTRACTOR OF THE PARTY OF TH		

8000

10000

Frequency(MHz)

12000 14000

6000

2000

0.009

4000

20000

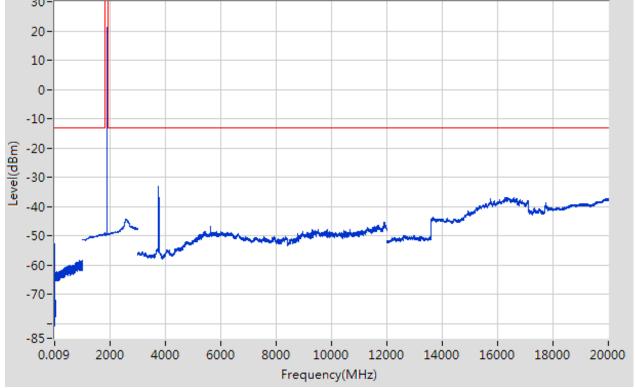
18000

16000



## 1.7. LTE Transmitter Spurious Emissions(NTNV)(Subtest:7, Channel:18900, 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	-53.67	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.92	-13	Pass	2985
30	1000	0.1	RMS	892.589	-58.5	-13	Pass	9700
1000	1830	1	RMS	1817.986	-49.02	-13	Pass	830
1830	1920	1	RMS	1879.5	21.16	60	Pass	601
1920	3000	1	RMS	2582.614	-44.28	-13	Pass	1080
3000	12000	1	RMS	3759.084	-33.08	-13	Pass	9000
12000	20000	1	RMS	16317.54	-37.04	-13	Pass	8000
30- 20- 10- 0-								





-50

-60-

-70-

-80-

0.009

4000

2000

6000

8000

10000

Frequency(MHz)

12000

14000

16000

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	0.012	-54.38	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.06	-13	Pass	2985
30	1000	0.1	RMS	975.397	-58.68	-13	Pass	9700
1000	1830	1	RMS	1814.982	-49.02	-13	Pass	830
1830	1920	1	RMS	1880.4	21.2	60	Pass	601
1920	3000	1	RMS	2582.614	-44.28	-13	Pass	1080
3000	12000	1	RMS	3761.085	-32.89	-13	Pass	9000
12000	20000	1	RMS	16319.54	-37	-13	Pass	8000
30- 20- 10- 0- -10- -20- -30- -40-								

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	0.01	-53.33	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.63	-13	Pass	2985
30	1000	0.1	RMS	866.986	-58.51	-13	Pass	9700
1000	1830	1	RMS	1819.988	-49.02	-13	Pass	830
1830	1920	1	RMS	1908.9	21.15	60	Pass	601
1920	3000	1	RMS	2574.606	-44.21	-13	Pass	1080
3000	12000	1	RMS	3818.091	-32.93	-13	Pass	9000
12000	20000	1	RMS	16319.54	-36.96	-13	Pass	8000
20- 10- 0- -10- (\text{\text{\$\text{\$W\$}}}\$\text{\$\end{\end{\end{\end{\end{\end{\end{\end{	2000 4000	6000		10000 12000 Jency(MHz)	0 14000	16000	18000	20000



-60-

-70-

-80-

0.009

4000

2000

6000

8000

10000 12000

Frequency(MHz)

16000

14000

18000

20000

## 1.10. LTE Transmitter Spurious Emissions(NTNV)(Subtest:10, Channel:19193, 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	0.011	-53.73	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.76	-13	Pass	298
30	1000	0.1	RMS	971.197	-58.42	-13	Pass	9700
1000	1830	1	RMS	1828.999	-48.96	-13	Pass	830
1830	1920	1	RMS	1909.8	21.13	60	Pass	601
1920	3000	1	RMS	2588.619	-44.24	-13	Pass	1080
3000	12000	1	RMS	3819.091	-32.24	-13	Pass	9000
12000	20000	1	RMS	16316.54	-37	-13	Pass	8000
20- 10- 0- -10-								
-30 - -40 -					<b></b>	, was a second	Mul	



-50-

-60-

-70-

-80-

0.009

4000

2000

6000

8000

10000

Frequency(MHz)

12000

14000

16000

18000

20000

## 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	0.009	-54.75	-13	Pass	601
0.15	30	0.01	RMS	0.17	-53.52	-13	Pass	2985
30	1000	0.1	RMS	886.988	-58.5	-13	Pass	9700
1000	1830	1	RMS	1808.975	-48.96	-13	Pass	830
1830	1920	1	RMS	1908.9	20.26	60	Pass	601
1920	3000	1	RMS	2572.604	-44.21	-13	Pass	1080
3000	12000	1	RMS	3818.091	-33.54	-13	Pass	9000
12000	20000	1	RMS	16318.54	-36.98	-13	Pass	8000
30- 20- 10- 0- -10- (\overline{\text{Wg}} -20- -30- -40-								



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

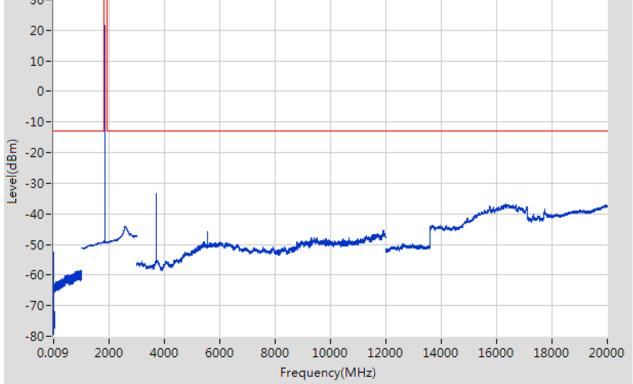
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.012	-53.95	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.25	-13	Pass	2985
30	1000	0.1	RMS	993.399	-58.51	-13	Pass	9700
1000	1830	1	RMS	1815.983	-48.97	-13	Pass	830
1830	1920	1	RMS	1909.8	20.28	60	Pass	601
1920	3000	1	RMS	2571.603	-44.12	-13	Pass	1080
3000	12000	1	RMS	3819.091	-32.83	-13	Pass	9000
12000	20000	1	RMS	16423.553	-36.83	-13	Pass	8000
30 - 20 - 10 - 0 -								





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

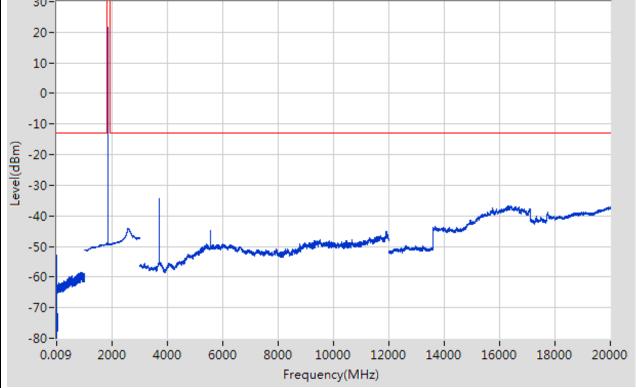
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-52.5	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.59	-13	Pass	2985
30	1000	0.1	RMS	997.7	-58.65	-13	Pass	9700
1000	1830	1	RMS	1813.981	-48.87	-13	Pass	830
1830	1920	1	RMS	1850.25	21.5	60	Pass	601
1920	3000	1	RMS	2574.606	-44.2	-13	Pass	1080
3000	12000	1	RMS	3700.078	-33.4	-13	Pass	9000
12000	20000	1	RMS	16317.54	-36.72	-13	Pass	8000
30- 20- 10- 0-								





## 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	0.013	-54.08	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.93	-13	Pass	2985
30	1000	0.1	RMS	936.693	-58.41	-13	Pass	9700
1000	1830	1	RMS	1820.989	-48.89	-13	Pass	830
1830	1920	1	RMS	1852.8	21.52	60	Pass	601
1920	3000	1	RMS	2591.622	-44.19	-13	Pass	1080
3000	12000	1	RMS	3705.078	-34.3	-13	Pass	9000
12000	20000	1	RMS	16313.539	-36.77	-13	Pass	8000
30- 20- 10- 0-								





## 1.15. LTE Transmitter Spurious Emissions(NTNV)(Subtest:15, Channel:18615, 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	0.01	-54.22	-13	Pass	601
0.15	30	0.01	RMS	0.17	-54.44	-13	Pass	2985
30	1000	0.1	RMS	875.187	-58.4	-13	Pass	9700
1000	1830	1	RMS	1823.993	-48.85	-13	Pass	830
1830	1920	1	RMS	1850.25	20.67	60	Pass	601
1920	3000	1	RMS	2564.597	-44.15	-13	Pass	1080
3000	12000	1	RMS	3700.078	-33.92	-13	Pass	9000
12000	20000	1	RMS	16313.539	-36.69	-13	Pass	8000
30- 20- 10-								





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

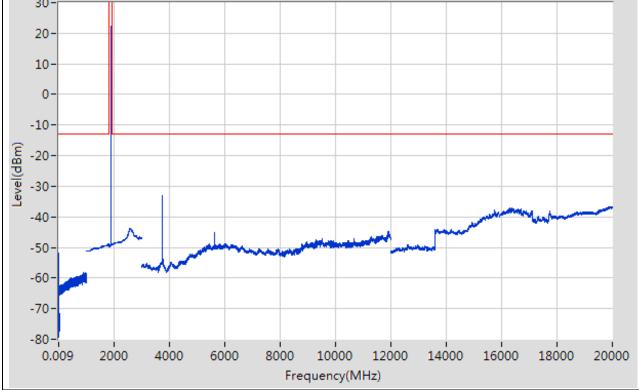
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-53.92	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.13	-13	Pass	2985
30	1000	0.1	RMS	888.989	-58.25	-13	Pass	9700
1000	1830	1	RMS	1813.981	-48.85	-13	Pass	830
1830	1920	1	RMS	1852.8	20.68	60	Pass	601
1920	3000	1	RMS	2572.604	-44.1	-13	Pass	1080
3000	12000	1	RMS	3705.078	-34.71	-13	Pass	9000
12000	20000	1	RMS	19972.997	-37.04	-13	Pass	8000
30- 20- 10- 0-								





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

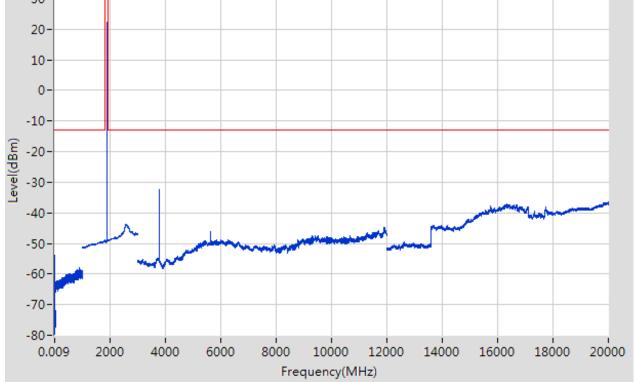
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-53.64	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.81	-13	Pass	2985
30	1000	0.1	RMS	965.396	-58.29	-13	Pass	9700
1000	1830	1	RMS	1824.994	-48.77	-13	Pass	830
1830	1920	1	RMS	1878.75	22.2	60	Pass	601
1920	3000	1	RMS	2578.61	-43.7	-13	Pass	1080
3000	12000	1	RMS	3757.084	-32.89	-13	Pass	9000
12000	20000	1	RMS	20000	-36.64	-13	Pass	8000
30 - 20 - 10 -								





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

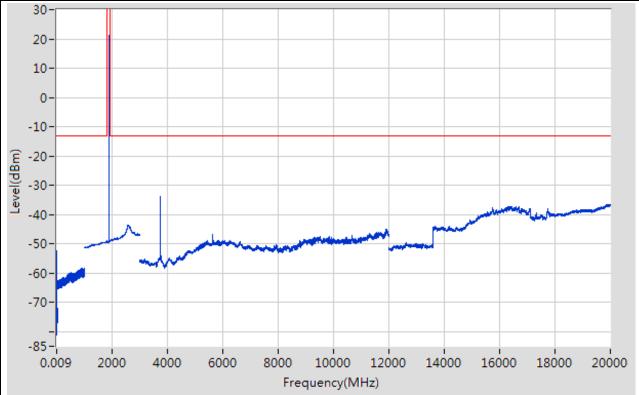
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.011	-53.71	-13	Pass	601
0.15	30	0.01	RMS	0.17	-53.67	-13	Pass	2985
30	1000	0.1	RMS	896.289	-57.99	-13	Pass	9700
1000	1830	1	RMS	1830	-48.94	-13	Pass	830
1830	1920	1	RMS	1881.3	22.15	60	Pass	601
1920	3000	1	RMS	2574.606	-43.72	-13	Pass	1080
3000	12000	1	RMS	3762.085	-32.34	-13	Pass	9000
12000	20000	1	RMS	19998	-36.5	-13	Pass	8000
30- 20- 10- 0-								





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

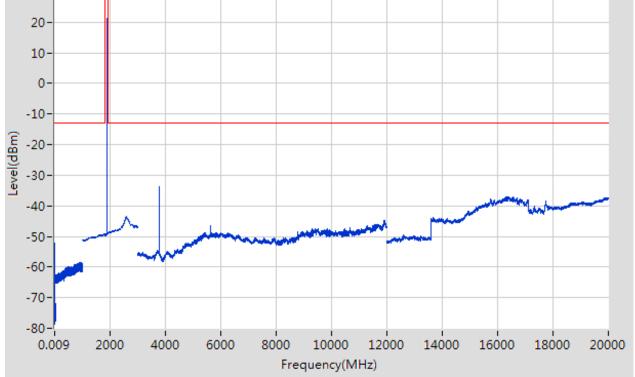
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-52.35	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.52	-13	Pass	2985
30	1000	0.1	RMS	936.093	-58.3	-13	Pass	9700
1000	1830	1	RMS	1822.992	-48.95	-13	Pass	830
1830	1920	1	RMS	1878.75	21.23	60	Pass	601
1920	3000	1	RMS	2596.627	-43.67	-13	Pass	1080
3000	12000	1	RMS	3757.084	-33.89	-13	Pass	9000
12000	20000	1	RMS	19975.997	-36.62	-13	Pass	8000
20-								





## 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	-53.33	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.23	-13	Pass	2985
30	1000	0.1	RMS	875.687	-58.39	-13	Pass	9700
1000	1830	1	RMS	1813.981	-48.99	-13	Pass	830
1830	1920	1	RMS	1881.3	21.14	60	Pass	601
1920	3000	1	RMS	2580.612	-43.58	-13	Pass	1080
3000	12000	1	RMS	3762.085	-33.55	-13	Pass	9000
12000	20000	1	RMS	16421.553	-37.11	-13	Pass	8000
30- 20- 10- 0-								





## 1.21. LTE Transmitter Spurious Emissions(NTNV)(Subtest:21, Channel:19185, 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	0.011	-53.77	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.39	-13	Pass	2985
30	1000	0.1	RMS	871.287	-58.5	-13	Pass	9700
1000	1830	1	RMS	1808.975	-48.87	-13	Pass	830
1830	1920	1	RMS	1907.25	21.39	60	Pass	601
1920	3000	1	RMS	2577.609	-43.51	-13	Pass	1080
3000	12000	1	RMS	3814.09	-32.86	-13	Pass	9000
12000	20000	1	RMS	16422.553	-37.06	-13	Pass	8000
20-								





-40

-50-

-60-

-70-

-80-

0.009

4000

2000

6000

8000

10000

Frequency(MHz)

12000

14000

16000

18000

20000

## 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	-53.98	-13	Pass	601
0.15	30	0.01	RMS	0.17	-53.05	-13	Pass	2985
30	1000	0.1	RMS	913.291	-58.58	-13	Pass	9700
1000	1830	1	RMS	1817.986	-48.87	-13	Pass	830
1830	1920	1	RMS	1909.8	21.31	60	Pass	601
1920	3000	1	RMS	2592.623	-43.58	-13	Pass	1080
3000	12000	1	RMS	3819.091	-32.16	-13	Pass	9000
12000	20000	1	RMS	16313.539	-37.01	-13	Pass	8000
30- 20- 10- 0- -10- (Eg) -20-								



## 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	0.012	-53.77	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.08	-13	Pass	2985
30	1000	0.1	RMS	875.387	-58.32	-13	Pass	9700
1000	1830	1	RMS	1822.992	-48.86	-13	Pass	830
1830	1920	1	RMS	1907.25	20.46	60	Pass	601
1920	3000	1	RMS	2576.608	-43.59	-13	Pass	1080
3000	12000	1	RMS	3814.09	-33.61	-13	Pass	9000
12000	20000	1	RMS	16418.552	-36.96	-13	Pass	8000
30 - 20 - 10 -								





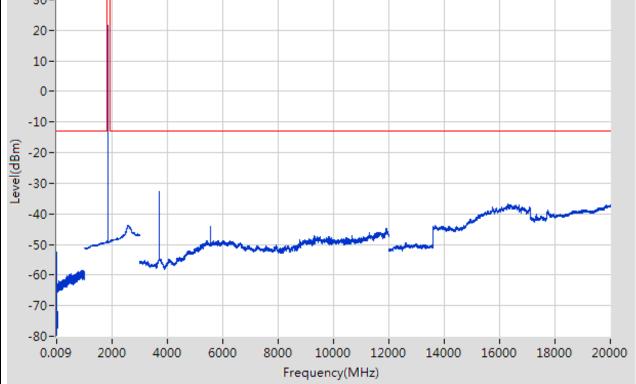
## 1.24. LTE Transmitter Spurious Emissions(NTNV)(Subtest:24, Channel:19185, Bandwidth:3, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.15	0.001	RMS	0.009	-52.36	-13	Pass	601
30	0.01	RMS	0.15	-51.61	-13	Pass	2985
1000	0.1	RMS	886.188	-58.45	-13	Pass	9700
1830	1	RMS	1819.988	-48.85	-13	Pass	830
1920	1	RMS	1909.8	20.44	60	Pass	601
3000	1	RMS	2575.607	-43.57	-13	Pass	1080
12000	1	RMS	3819.091	-33.04	-13	Pass	9000
20000	1	RMS	16317.54	-36.91	-13	Pass	8000
	Frequency (MHz) 0.15 30 1000 1830 1920 3000 12000	Frequency (MHz) RBW (MHz)   0.15 0.001   30 0.01   1000 0.1   1830 1   1920 1   3000 1   12000 1	Frequency (MHz) RBW (MHz) Detector   0.15 0.001 RMS   30 0.01 RMS   1000 0.1 RMS   1830 1 RMS   1920 1 RMS   3000 1 RMS   12000 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 886.188   1830 1 RMS 1819.988   1920 1 RMS 1909.8   3000 1 RMS 2575.607   12000 1 RMS 3819.091	Frequency (MHz) RBW (MHz) Detector Frequency (MHz) Power (dBm)   0.15 0.001 RMS 0.009 -52.36   30 0.01 RMS 0.15 -51.61   1000 0.1 RMS 886.188 -58.45   1830 1 RMS 1819.988 -48.85   1920 1 RMS 1909.8 20.44   3000 1 RMS 2575.607 -43.57   12000 1 RMS 3819.091 -33.04	Frequency (MHz) RBW (MHz) Detector (MHz) Frequency (MHz) Power (dBm) Limit (dBm)   0.15 0.001 RMS 0.009 -52.36 -13   30 0.01 RMS 0.15 -51.61 -13   1000 0.1 RMS 886.188 -58.45 -13   1830 1 RMS 1819.988 -48.85 -13   1920 1 RMS 1909.8 20.44 60   3000 1 RMS 2575.607 -43.57 -13   12000 1 RMS 3819.091 -33.04 -13	Frequency (MHz) RBW (MHz) Detector (MHz) Frequency (MHz) Power (dBm) Limit (dBm) Verdict   0.15 0.001 RMS 0.009 -52.36 -13 Pass   30 0.01 RMS 0.15 -51.61 -13 Pass   1000 0.1 RMS 886.188 -58.45 -13 Pass   1830 1 RMS 1819.988 -48.85 -13 Pass   1920 1 RMS 1909.8 20.44 60 Pass   3000 1 RMS 2575.607 -43.57 -13 Pass   12000 1 RMS 3819.091 -33.04 -13 Pass



## 1.25. LTE Transmitter Spurious Emissions(NTNV)(Subtest:25, Channel:18625, 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	0.011	-53.74	-13	Pass	601
0.15	30	0.01	RMS	0.16	-52.53	-13	Pass	2985
30	1000	0.1	RMS	912.091	-58.51	-13	Pass	9700
1000	1830	1	RMS	1830	-48.87	-13	Pass	830
1830	1920	1	RMS	1850.4	21.7	60	Pass	601
1920	3000	1	RMS	2589.62	-43.67	-13	Pass	1080
3000	12000	1	RMS	3701.078	-32.83	-13	Pass	9000
12000	20000	1	RMS	16314.539	-36.88	-13	Pass	8000
30- 20- 10-								





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

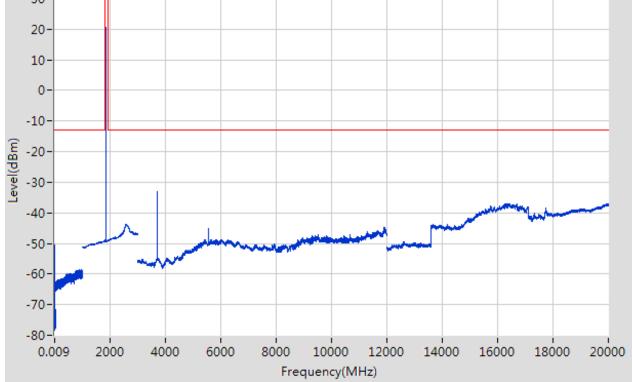
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-53.03	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.06	-13	Pass	2985
30	1000	0.1	RMS	918.792	-58.53	-13	Pass	9700
1000	1830	1	RMS	1828.999	-48.9	-13	Pass	830
1830	1920	1	RMS	1854.6	21.69	60	Pass	601
1920	3000	1	RMS	2575.607	-43.62	-13	Pass	1080
3000	12000	1	RMS	3709.079	-32.42	-13	Pass	9000
12000	20000	1	RMS	16319.54	-36.99	-13	Pass	8000
30- 20- 10- 0-								





## 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	0.011	-53.77	-13	Pass	601
0.15	30	0.01	RMS	0.15	-50.58	-13	Pass	2985
30	1000	0.1	RMS	877.987	-58.55	-13	Pass	9700
1000	1830	1	RMS	1824.994	-48.95	-13	Pass	830
1830	1920	1	RMS	1850.4	20.74	60	Pass	601
1920	3000	1	RMS	2578.61	-43.64	-13	Pass	1080
3000	12000	1	RMS	3701.078	-33.1	-13	Pass	9000
12000	20000	1	RMS	16318.54	-36.95	-13	Pass	8000
30- 20- 10- 0-								





## 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	0.011	-54.2	-13	Pass	601
0.15	30	0.01	RMS	0.16	-52.86	-13	Pass	2985
30	1000	0.1	RMS	947.695	-58.09	-13	Pass	9700
1000	1830	1	RMS	1827.998	-48.87	-13	Pass	830
1830	1920	1	RMS	1854.75	20.69	60	Pass	601
1920	3000	1	RMS	2583.614	-43.65	-13	Pass	1080
3000	12000	1	RMS	3709.079	-32.99	-13	Pass	9000
12000	20000	1	RMS	16419.552	-36.72	-13	Pass	8000
30- 20- 10- 0-								





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

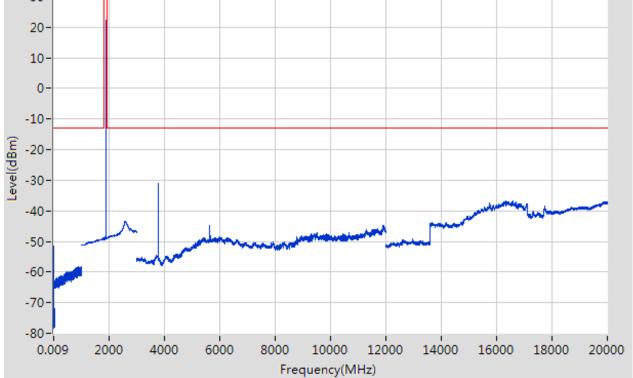
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-53.1	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.8	-13	Pass	2985
30	1000	0.1	RMS	926.692	-58.45	-13	Pass	9700
1000	1830	1	RMS	1822.992	-48.83	-13	Pass	830
1830	1920	1	RMS	1877.85	22.33	60	Pass	601
1920	3000	1	RMS	2573.605	-43.54	-13	Pass	1080
3000	12000	1	RMS	3756.084	-33.12	-13	Pass	9000
12000	20000	1	RMS	16320.54	-36.78	-13	Pass	8000
30- 20- 10- 0-								





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

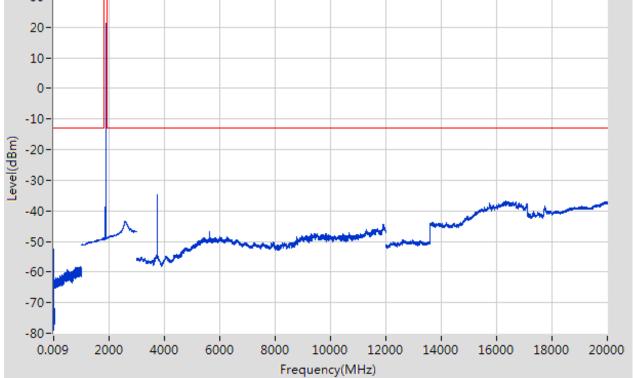
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.011	-54.3	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.46	-13	Pass	2985
30	1000	0.1	RMS	999.9	-58.13	-13	Pass	9700
1000	1830	1	RMS	1827.998	-48.8	-13	Pass	830
1830	1920	1	RMS	1882.2	22.25	60	Pass	601
1920	3000	1	RMS	2595.626	-43.58	-13	Pass	1080
3000	12000	1	RMS	3764.085	-31.19	-13	Pass	9000
12000	20000	1	RMS	16320.54	-36.64	-13	Pass	8000
30- 20- 10- 0-								





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

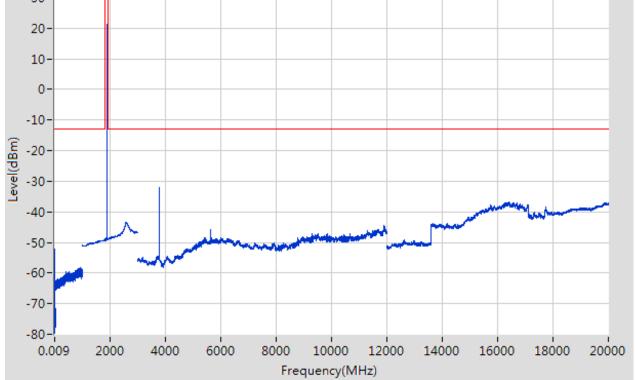
Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.15	0.001	RMS	0.011	-53.99	-13	Pass	601
30	0.01	RMS	0.15	-52.62	-13	Pass	2985
1000	0.1	RMS	948.095	-58.04	-13	Pass	9700
1830	1	RMS	1813.981	-48.81	-13	Pass	830
1920	1	RMS	1877.85	21.39	60	Pass	601
3000	1	RMS	2576.608	-43.53	-13	Pass	1080
12000	1	RMS	3756.084	-34.68	-13	Pass	9000
20000	1	RMS	16315.539	-36.86	-13	Pass	8000
	Frequency (MHz) 0.15 30 1000 1830 1920 3000 12000	Frequency (MHz) RBW (MHz)   0.15 0.001   30 0.01   1000 0.1   1830 1   1920 1   3000 1   12000 1	Frequency (MHz) RBW (MHz) Detector   0.15 0.001 RMS   30 0.01 RMS   1000 0.1 RMS   1830 1 RMS   1920 1 RMS   3000 1 RMS   12000 1 RMS	Frequency (MHz) RBW (MHz) Detector (MHz) Frequency (MHz)   0.15 0.001 RMS 0.011   30 0.01 RMS 0.15   1000 0.1 RMS 948.095   1830 1 RMS 1813.981   1920 1 RMS 1877.85   3000 1 RMS 2576.608   12000 1 RMS 3756.084	Frequency (MHz) RBW (MHz) Detector Frequency (MHz) Power (dBm)   0.15 0.001 RMS 0.011 -53.99   30 0.01 RMS 0.15 -52.62   1000 0.1 RMS 948.095 -58.04   1830 1 RMS 1813.981 -48.81   1920 1 RMS 1877.85 21.39   3000 1 RMS 2576.608 -43.53   12000 1 RMS 3756.084 -34.68	Frequency (MHz) RBW (MHz) Detector (MHz) Frequency (MHz) Power (dBm) Limit (dBm)   0.15 0.001 RMS 0.011 -53.99 -13   30 0.01 RMS 0.15 -52.62 -13   1000 0.1 RMS 948.095 -58.04 -13   1830 1 RMS 1813.981 -48.81 -13   1920 1 RMS 1877.85 21.39 60   3000 1 RMS 2576.608 -43.53 -13   12000 1 RMS 3756.084 -34.68 -13	Frequency (MHz) RBW (MHz) Detector (MHz) Frequency (MHz) Power (dBm) Limit (dBm) Verdict   0.15 0.001 RMS 0.011 -53.99 -13 Pass   30 0.01 RMS 0.15 -52.62 -13 Pass   1000 0.1 RMS 948.095 -58.04 -13 Pass   1830 1 RMS 1813.981 -48.81 -13 Pass   1920 1 RMS 1877.85 21.39 60 Pass   3000 1 RMS 2576.608 -43.53 -13 Pass   12000 1 RMS 3756.084 -34.68 -13 Pass





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

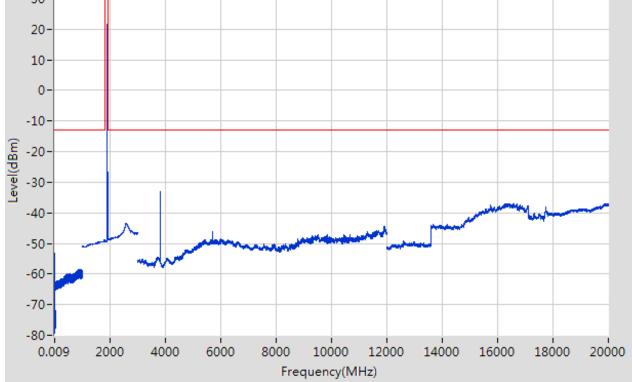
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.012	-53.71	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.06	-13	Pass	2985
30	1000	0.1	RMS	942.794	-58.07	-13	Pass	9700
1000	1830	1	RMS	1822.992	-48.83	-13	Pass	830
1830	1920	1	RMS	1882.2	21.32	60	Pass	601
1920	3000	1	RMS	2567.6	-43.55	-13	Pass	1080
3000	12000	1	RMS	3764.085	-32.08	-13	Pass	9000
12000	20000	1	RMS	16419.552	-36.81	-13	Pass	8000
30- 20- 10- 0-								





## 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	-53.21	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.07	-13	Pass	2985
30	1000	0.1	RMS	915.291	-58.47	-13	Pass	9700
1000	1830	1	RMS	1826.996	-48.79	-13	Pass	830
1830	1920	1	RMS	1905.3	21.46	60	Pass	601
1920	3000	1	RMS	2583.614	-43.53	-13	Pass	1080
3000	12000	1	RMS	3811.09	-33.21	-13	Pass	9000
12000	20000	1	RMS	16426.553	-36.91	-13	Pass	8000
30- 20- 10- 0-								





-50-

-60-

-70-

-80-

0.009

4000

2000

6000

8000

10000

Frequency(MHz)

12000

14000

16000

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	-53.76	-13	Pass	60′
0.15	30	0.01	RMS	0.15	-52.96	-13	Pass	298
30	1000	0.1	RMS	899.89	-58.04	-13	Pass	970
1000	1830	1	RMS	1826.996	-48.82	-13	Pass	830
1830	1920	1	RMS	1909.65	21.39	60	Pass	601
1920	3000	1	RMS	2593.624	-43.56	-13	Pass	1080
3000	12000	1	RMS	3819.091	-31.51	-13	Pass	9000
12000	20000	1	RMS	16269.534	-36.96	-13	Pass	8000
30 - 20 - 10 - 0 - -10 - -20 - -30 - -40 -								



## 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	-53.69	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.13	-13	Pass	2985
30	1000	0.1	RMS	915.191	-58.14	-13	Pass	9700
1000	1830	1	RMS	1811.978	-48.83	-13	Pass	830
1830	1920	1	RMS	1905.3	20.44	60	Pass	601
1920	3000	1	RMS	2580.612	-43.5	-13	Pass	1080
3000	12000	1	RMS	3811.09	-34	-13	Pass	9000
12000	20000	1	RMS	16420.553	-36.87	-13	Pass	8000
30 - 20 - 10 -								





-40

-50-

-60-

-70-

-80-

0.009

4000

2000

6000

8000

10000

Frequency(MHz)

12000

14000

16000

18000

20000

# 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	-52.3	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.77	-13	Pass	2985
30	1000	0.1	RMS	943.394	-58.19	-13	Pass	9700
1000	1830	1	RMS	1824.994	-48.82	-13	Pass	830
1830	1920	1	RMS	1909.65	20.42	60	Pass	601
1920	3000	1	RMS	2571.603	-43.53	-13	Pass	1080
3000	12000	1	RMS	3819.091	-32.42	-13	Pass	9000
12000	20000	1	RMS	16309.539	-36.77	-13	Pass	8000
30- 20- 10- 0- -10- (\text{\tin}\text{\texi}\text{\text{\text{\texi{\texi{\texi\texi{\text{\texi{\texi\texi{\\texi{\texi{\texi{\texi{\texi{\texi{\texi{\texi{\texi{\texi{\texi{\texi{\texi{\texi								



-30

-40

-50-

-60-

-70-

-80-

0.009

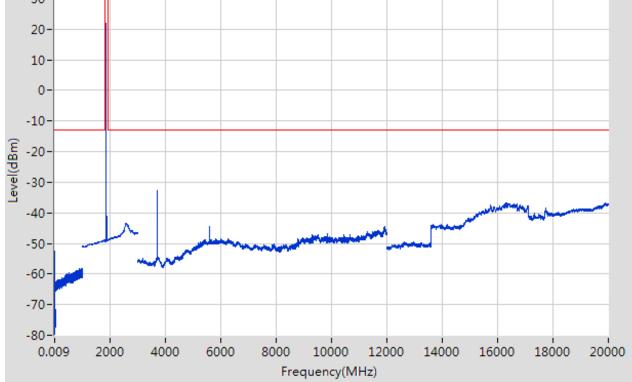
# 1.37. LTE Transmitter Spurious Emissions(NTNV)(Subtest:37, Channel:18650, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.15	0.001	RMS	0.01	-53.79	-13	Pass	601
30	0.01	RMS	0.15	-53.08	-13	Pass	2985
1000	0.1	RMS	943.294	-58.17	-13	Pass	9700
1830	1	RMS	1815.983	-48.73	-13	Pass	830
1920	1	RMS	1850.55	21.82	60	Pass	601
3000	1	RMS	2591.622	-43.48	-13	Pass	1080
12000	1	RMS	3701.078	-31.39	-13	Pass	9000
20000	1	RMS	16318.54	-36.74	-13	Pass	8000
	Frequency (MHz) 0.15 30 1000 1830 1920 3000 12000	Frequency (MHz) RBW (MHz)   0.15 0.001   30 0.01   1000 0.1   1830 1   1920 1   3000 1   12000 1	Frequency (MHz) RBW (MHz) Detector   0.15 0.001 RMS   30 0.01 RMS   1000 0.1 RMS   1830 1 RMS   1920 1 RMS   3000 1 RMS   12000 1 RMS	Frequency (MHz) RBW (MHz) Detector (MHz) Frequency (MHz)   0.15 0.001 RMS 0.01   30 0.01 RMS 0.15   1000 0.1 RMS 943.294   1830 1 RMS 1815.983   1920 1 RMS 1850.55   3000 1 RMS 2591.622   12000 1 RMS 3701.078	Frequency (MHz) RBW (MHz) Detector Frequency (MHz) Power (dBm)   0.15 0.001 RMS 0.01 -53.79   30 0.01 RMS 0.15 -53.08   1000 0.1 RMS 943.294 -58.17   1830 1 RMS 1815.983 -48.73   1920 1 RMS 1850.55 21.82   3000 1 RMS 2591.622 -43.48   12000 1 RMS 3701.078 -31.39	Frequency (MHz) RBW (MHz) Detector (MHz) Frequency (MHz) Power (dBm) Limit (dBm)   0.15 0.001 RMS 0.01 -53.79 -13   30 0.01 RMS 0.15 -53.08 -13   1000 0.1 RMS 943.294 -58.17 -13   1830 1 RMS 1815.983 -48.73 -13   1920 1 RMS 1850.55 21.82 60   3000 1 RMS 2591.622 -43.48 -13   12000 1 RMS 3701.078 -31.39 -13	Frequency (MHz) RBW (MHz) Detector (MHz) Frequency (MHz) Power (dBm) Limit (dBm) Verdict   0.15 0.001 RMS 0.01 -53.79 -13 Pass   30 0.01 RMS 0.15 -53.08 -13 Pass   1000 0.1 RMS 943.294 -58.17 -13 Pass   1830 1 RMS 1815.983 -48.73 -13 Pass   1920 1 RMS 1850.55 21.82 60 Pass   3000 1 RMS 2591.622 -43.48 -13 Pass   12000 1 RMS 3701.078 -31.39 -13 Pass



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

Start	Stop			_	_			
Frequency (MHz)	Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-53.72	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.51	-13	Pass	2985
30	1000	0.1	RMS	888.188	-58.22	-13	Pass	9700
1000	1830	1	RMS	1828.999	-48.74	-13	Pass	830
1830	1920	1	RMS	1859.4	21.95	60	Pass	601
1920	3000	1	RMS	2574.606	-43.51	-13	Pass	1080
3000	12000	1	RMS	3719.08	-32.74	-13	Pass	9000
12000	20000	1	RMS	16311.539	-36.85	-13	Pass	8000
30- 20- 10- 0-								





-40

-50-

-60-

-70-

-80-

0.009

4000

2000

6000

8000

10000

Frequency(MHz)

12000

14000

16000

18000

20000

### 1.39. LTE Transmitter Spurious Emissions(NTNV)(Subtest:39, Channel:18650, 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	0.012	-53.02	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.51	-13	Pass	2985
30	1000	0.1	RMS	921.592	-58.34	-13	Pass	9700
1000	1830	1	RMS	1830	-48.71	-13	Pass	830
1830	1920	1	RMS	1850.55	21.01	60	Pass	601
1920	3000	1	RMS	2584.615	-43.48	-13	Pass	1080
3000	12000	1	RMS	3701.078	-32.15	-13	Pass	9000
12000	20000	1	RMS	16318.54	-36.71	-13	Pass	8000
30- 20- 10- 0- -10- (Eg) -20-								



-60-

-70-

-80-

0.009

4000

2000

6000

8000

10000

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)

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	-52.87	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.25	-13	Pass	2985
30	1000	0.1	RMS	876.387	-58.34	-13	Pass	9700
1000	1830	1	RMS	1823.993	-48.75	-13	Pass	830
1830	1920	1	RMS	1859.4	21.05	60	Pass	601
1920	3000	1	RMS	2572.604	-43.37	-13	Pass	1080
3000	12000	1	RMS	3719.08	-33.2	-13	Pass	9000
12000	20000	1	RMS	16318.54	-36.85	-13	Pass	8000
30- 20- 10- 0- -10- (\overline{\text{Wg}} -20- -30- -40-								



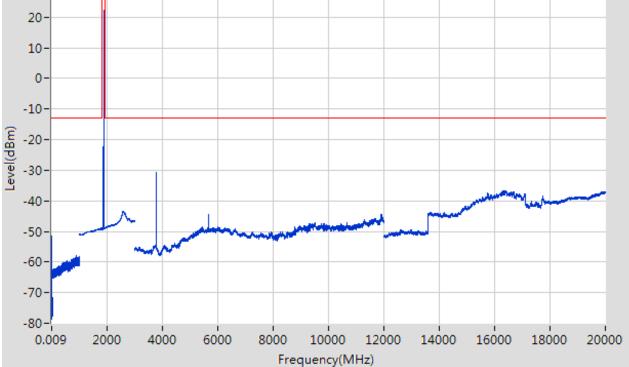
## 1.41. LTE Transmitter Spurious Emissions(NTNV)(Subtest:41, Channel:18900, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

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	0.009	-53.14	-13	Pass	601
0.15	30	0.01	RMS	0.16	-51.67	-13	Pass	2985
30	1000	0.1	RMS	871.587	-58.21	-13	Pass	9700
1000	1830	1	RMS	1815.983	-48.76	-13	Pass	830
1830	1920	1	RMS	1875.6	22.26	60	Pass	601
1920	3000	1	RMS	2583.614	-43.47	-13	Pass	1080
3000	12000	1	RMS	3751.083	-32.6	-13	Pass	9000
12000	20000	1	RMS	16316.54	-36.81	-13	Pass	8000
30- 20- 10- 0- -10-								



## 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	0.01	-53.59	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.64	-13	Pass	2985
30	1000	0.1	RMS	874.287	-58.01	-13	Pass	9700
1000	1830	1	RMS	1819.988	-48.72	-13	Pass	830
1830	1920	1	RMS	1884.45	22.17	60	Pass	601
1920	3000	1	RMS	2568.601	-43.47	-13	Pass	1080
3000	12000	1	RMS	3769.085	-30.61	-13	Pass	9000
12000	20000	1	RMS	16421.553	-36.71	-13	Pass	8000
30- 20- 10- 0- -10-								





-40-

-50-

-60-

-70-

-80-

0.009

4000

2000

6000

8000

10000

Frequency(MHz)

12000

14000

16000

18000

20000

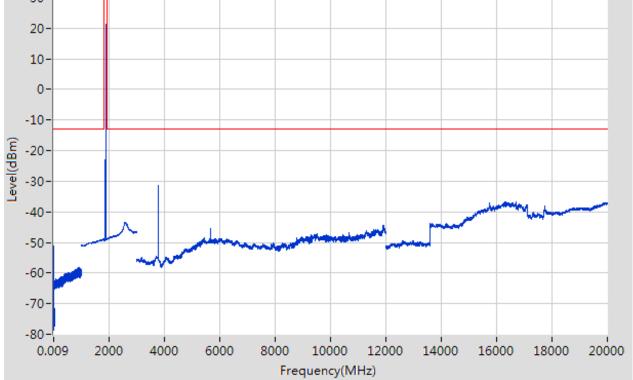
### 1.43. LTE Transmitter Spurious Emissions(NTNV)(Subtest:43, Channel:18900, Bandwidth:10, Modulation:16QAM, RB Number: 1, RB Position:LOW)

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	0.012	-53.97	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.29	-13	Pass	2985
30	1000	0.1	RMS	915.491	-58.29	-13	Pass	9700
1000	1830	1	RMS	1822.992	-48.75	-13	Pass	830
1830	1920	1	RMS	1875.6	21.27	60	Pass	601
1920	3000	1	RMS	2568.601	-43.51	-13	Pass	1080
3000	12000	1	RMS	3751.083	-33.34	-13	Pass	9000
12000	20000	1	RMS	16317.54	-36.89	-13	Pass	8000
30- 20- 10- 0- -10- [\(\mathbb{\text{W}}_3\) -30-								



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

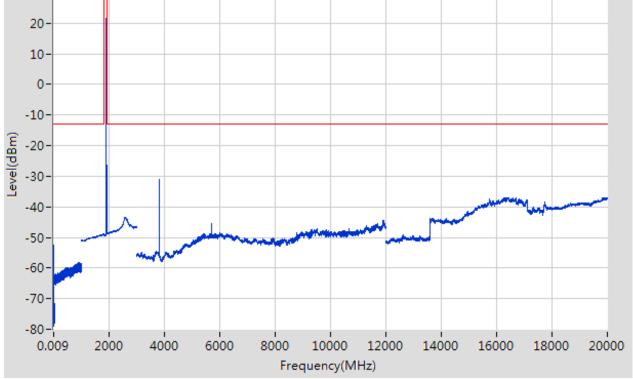
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-53.33	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.13	-13	Pass	2985
30	1000	0.1	RMS	907.29	-58.29	-13	Pass	9700
1000	1830	1	RMS	1819.988	-48.75	-13	Pass	830
1830	1920	1	RMS	1884.45	21.19	60	Pass	601
1920	3000	1	RMS	2574.606	-43.5	-13	Pass	1080
3000	12000	1	RMS	3769.085	-31.5	-13	Pass	9000
12000	20000	1	RMS	16688.586	-36.82	-13	Pass	8000
30- 20- 10- 0-								





## 1.45. LTE Transmitter Spurious Emissions(NTNV)(Subtest:45, Channel:19150, Bandwidth:10, 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	0.011	-53.25	-13	Pass	601
30	0.01	RMS	0.15	-52.37	-13	Pass	2985
1000	0.1	RMS	944.294	-58.28	-13	Pass	9700
1830	1	RMS	1825.995	-48.74	-13	Pass	830
1920	1	RMS	1900.65	21.61	60	Pass	601
3000	1	RMS	2579.611	-43.4	-13	Pass	1080
12000	1	RMS	3801.089	-31.06	-13	Pass	9000
20000	1	RMS	16318.54	-36.91	-13	Pass	8000
	Frequency (MHz) 0.15 30 1000 1830 1920 3000 12000	Frequency (MHz) RBW (MHz)   0.15 0.001   30 0.01   1000 0.1   1830 1   1920 1   3000 1   12000 1	Frequency (MHz) RBW (MHz) Detector   0.15 0.001 RMS   30 0.01 RMS   1000 0.1 RMS   1830 1 RMS   1920 1 RMS   3000 1 RMS   12000 1 RMS	Frequency (MHz) RBW (MHz) Detector (MHz) Frequency (MHz)   0.15 0.001 RMS 0.011   30 0.01 RMS 0.15   1000 0.1 RMS 944.294   1830 1 RMS 1825.995   1920 1 RMS 1900.65   3000 1 RMS 2579.611   12000 1 RMS 3801.089	Frequency (MHz) RBW (MHz) Detector Frequency (MHz) Power (dBm)   0.15 0.001 RMS 0.011 -53.25   30 0.01 RMS 0.15 -52.37   1000 0.1 RMS 944.294 -58.28   1830 1 RMS 1825.995 -48.74   1920 1 RMS 1900.65 21.61   3000 1 RMS 2579.611 -43.4   12000 1 RMS 3801.089 -31.06	Frequency (MHz) RBW (MHz) Detector (MHz) Frequency (MHz) Power (dBm) Limit (dBm)   0.15 0.001 RMS 0.011 -53.25 -13   30 0.01 RMS 0.15 -52.37 -13   1000 0.1 RMS 944.294 -58.28 -13   1830 1 RMS 1825.995 -48.74 -13   1920 1 RMS 1900.65 21.61 60   3000 1 RMS 2579.611 -43.4 -13   12000 1 RMS 3801.089 -31.06 -13	Frequency (MHz) RBW (MHz) Detector (MHz) Frequency (MHz) Power (dBm) Limit (dBm) Verdict   0.15 0.001 RMS 0.011 -53.25 -13 Pass   30 0.01 RMS 0.15 -52.37 -13 Pass   1000 0.1 RMS 944.294 -58.28 -13 Pass   1830 1 RMS 1825.995 -48.74 -13 Pass   1920 1 RMS 1900.65 21.61 60 Pass   3000 1 RMS 2579.611 -43.4 -13 Pass   12000 1 RMS 3801.089 -31.06 -13 Pass





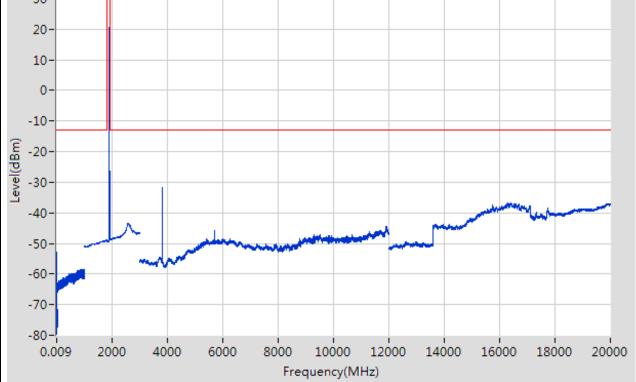
## 1.46. LTE Transmitter Spurious Emissions(NTNV)(Subtest:46, Channel:19150, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

(MHz)	Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-52.04	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.8	-13	Pass	2985
30	1000	0.1	RMS	986.199	-58.25	-13	Pass	9700
1000	1830	1	RMS	1824.994	-48.71	-13	Pass	830
1830	1920	1	RMS	1909.35	21.39	60	Pass	601
1920	3000	1	RMS	2582.614	-43.47	-13	Pass	1080
3000	12000	1	RMS	3819.091	-31.71	-13	Pass	9000
12000	20000	1	RMS	16594.574	-36.77	-13	Pass	8000
30- 20- 10- 0- -10-								



#### 1.47. LTE Transmitter Spurious Emissions(NTNV)(Subtest:47, Channel:19150, 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	0.01	-52.88	-13	Pass	601
0.15	30	0.01	RMS	0.17	-53.26	-13	Pass	2985
30	1000	0.1	RMS	938.994	-58.39	-13	Pass	9700
1000	1830	1	RMS	1826.996	-48.75	-13	Pass	830
1830	1920	1	RMS	1900.65	20.65	60	Pass	601
1920	3000	1	RMS	2577.609	-43.48	-13	Pass	1080
3000	12000	1	RMS	3801.089	-31.86	-13	Pass	9000
12000	20000	1	RMS	16306.538	-36.81	-13	Pass	8000
30 - 20 - 10 -								





-60-

-70-

-80-

0.009

4000

2000

6000

8000

10000 12000

Frequency(MHz)

16000

14000

18000

20000

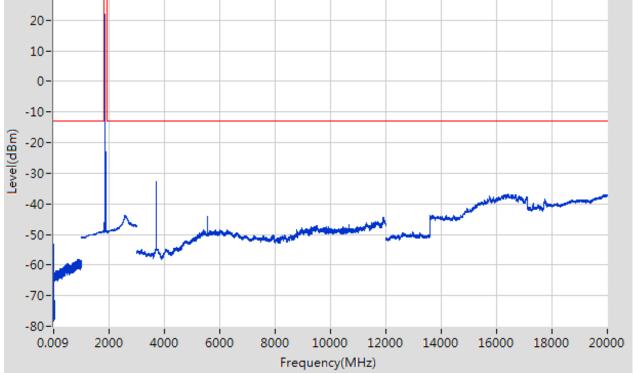
## 1.48. LTE Transmitter Spurious Emissions(NTNV)(Subtest:48, Channel:19150, Bandwidth:10, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

(MHz)	Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-54.04	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.84	-13	Pass	298
30	1000	0.1	RMS	986.499	-58.3	-13	Pass	9700
1000	1830	1	RMS	1828.999	-48.79	-13	Pass	830
1830	1920	1	RMS	1909.35	20.47	60	Pass	601
1920	3000	1	RMS	2573.605	-43.44	-13	Pass	1080
3000	12000	1	RMS	3819.091	-32.39	-13	Pass	9000
12000	20000	1	RMS	16429.554	-36.81	-13	Pass	8000
30- 20- 10- 0- -10- -20-								
-40-					-	AND THE PERSON NAMED IN	Munh	



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

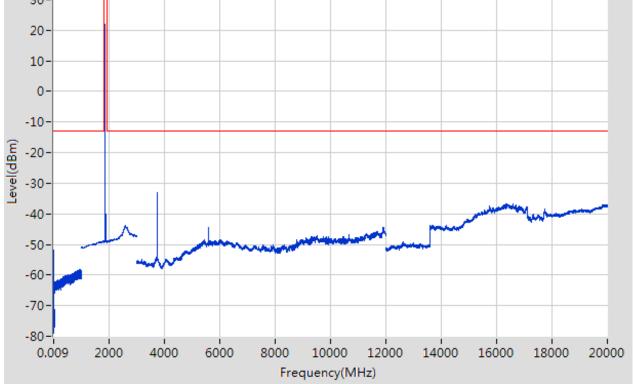
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-53.31	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.09	-13	Pass	2985
30	1000	0.1	RMS	857.285	-58.31	-13	Pass	9700
1000	1830	1	RMS	1823.993	-46.25	-13	Pass	830
1830	1920	1	RMS	1850.85	21.86	60	Pass	601
1920	3000	1	RMS	2568.601	-43.93	-13	Pass	1080
3000	12000	1	RMS	3702.078	-32.75	-13	Pass	9000
12000	20000	1	RMS	16420.553	-36.86	-13	Pass	8000
30- 20- 10- 0- -10-								





# 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	0.01	-53.67	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.98	-13	Pass	2985
30	1000	0.1	RMS	968.397	-58.1	-13	Pass	9700
1000	1830	1	RMS	1815.983	-48.7	-13	Pass	830
1830	1920	1	RMS	1864.2	22.07	60	Pass	601
1920	3000	1	RMS	2578.61	-43.87	-13	Pass	1080
3000	12000	1	RMS	3728.081	-33.07	-13	Pass	9000
12000	20000	1	RMS	16376.547	-36.83	-13	Pass	8000
30- 20- 10- 0-								





### 1.51. LTE Transmitter Spurious Emissions(NTNV)(Subtest:51, Channel:18675, 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	-52.96	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.98	-13	Pass	2985
30	1000	0.1	RMS	874.787	-58.26	-13	Pass	9700
1000	1830	1	RMS	1823.993	-46.02	-13	Pass	830
1830	1920	1	RMS	1850.85	21	60	Pass	601
1920	3000	1	RMS	2572.604	-43.87	-13	Pass	1080
3000	12000	1	RMS	3702.078	-33.32	-13	Pass	9000
12000	20000	1	RMS	16272.534	-36.8	-13	Pass	8000
30- 20- 10- 0- -10-								





-60-

-70-

-80-

0.009

4000

2000

6000

8000

10000 12000

Frequency(MHz)

16000

14000

18000

20000

### 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	-52.85	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.14	-13	Pass	2985
30	1000	0.1	RMS	909.191	-58.2	-13	Pass	9700
1000	1830	1	RMS	1826.996	-48.73	-13	Pass	830
1830	1920	1	RMS	1864.2	21.2	60	Pass	601
1920	3000	1	RMS	2579.611	-43.92	-13	Pass	1080
3000	12000	1	RMS	3728.081	-33.72	-13	Pass	9000
12000	20000	1	RMS	16320.54	-36.72	-13	Pass	8000
30- 20- 10- 0- -10- (\hat{\text{gp}}{\text{gp}}{\text{-30-}}								



## 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	-53.25	-13	Pass	601
0.15	30	0.01	RMS	0.15	-50.99	-13	Pass	2985
30	1000	0.1	RMS	933.693	-57.98	-13	Pass	9700
1000	1830	1	RMS	1822.992	-48.69	-13	Pass	830
1830	1920	1	RMS	1873.35	22.2	60	Pass	601
1920	3000	1	RMS	2575.607	-43.93	-13	Pass	1080
3000	12000	1	RMS	3747.083	-33.72	-13	Pass	9000
12000	20000	1	RMS	16323.54	-36.88	-13	Pass	8000
30- 20- 10- 0- -10- (\vec{\vec{\vec{\vec{\vec{\vec{\vec{								



-60-

-70-

-80-

0.009

4000

2000

6000

8000

10000 12000

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	0.009	-53.96	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.14	-13	Pass	2985
30	1000	0.1	RMS	887.388	-58.22	-13	Pass	9700
1000	1830	1	RMS	1826.996	-48.66	-13	Pass	830
1830	1920	1	RMS	1886.7	22.11	60	Pass	601
1920	3000	1	RMS	2596.627	-43.91	-13	Pass	1080
3000	12000	1	RMS	3773.086	-29.8	-13	Pass	9000
12000	20000	1	RMS	16318.54	-36.74	-13	Pass	8000
30- 20- 10- 0- -10- -20- -30- -40-								



-60-

-70-

-80-

0.009

4000

2000

6000

8000

10000

Frequency(MHz)

12000

14000

16000

18000

20000

## 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	0.011	-53.53	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.06	-13	Pass	2985
30	1000	0.1	RMS	900.19	-57.78	-13	Pass	9700
1000	1830	1	RMS	1830	-48.66	-13	Pass	830
1830	1920	1	RMS	1873.35	21.25	60	Pass	601
1920	3000	1	RMS	2578.61	-43.89	-13	Pass	1080
3000	12000	1	RMS	3747.083	-34.85	-13	Pass	9000
12000	20000	1	RMS	16321.54	-36.86	-13	Pass	8000
30- 20- 10- 0- -10- (Egp) -30-								



-60-

-70-

-80-

0.009

4000

2000

6000

8000

10000 12000

Frequency(MHz)

16000

14000

18000

20000

### 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	-53.32	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.74	-13	Pass	2985
30	1000	0.1	RMS	886.088	-58.36	-13	Pass	9700
1000	1830	1	RMS	1817.986	-48.73	-13	Pass	830
1830	1920	1	RMS	1886.7	21.15	60	Pass	601
1920	3000	1	RMS	2572.604	-43.93	-13	Pass	1080
3000	12000	1	RMS	3773.086	-30.81	-13	Pass	9000
12000	20000	1	RMS	16311.539	-36.68	-13	Pass	8000
30- 20- 10- 0- -10- (\hat{B}{B}) -30-								



-60-

-70-

-80-

0.009

4000

2000

6000

8000

10000 12000

Frequency(MHz)

16000

14000

18000

20000

### 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	0.009	-53.6	-13	Pass	60 <sup>-</sup>
0.15	30	0.01	RMS	0.15	-52.25	-13	Pass	298
30	1000	0.1	RMS	871.987	-57.9	-13	Pass	970
1000	1830	1	RMS	1823.993	-48.68	-13	Pass	83
1830	1920	1	RMS	1895.85	22.19	60	Pass	60
1920	3000	1	RMS	2571.603	-43.94	-13	Pass	1080
3000	12000	1	RMS	3792.088	-30.66	-13	Pass	900
12000	20000	1	RMS	16318.54	-36.75	-13	Pass	800
30- 20- 10- 0- -10- -20- -30- -40-								



-60-

-70-

-80-

0.009

4000

2000

6000

8000

10000

Frequency(MHz)

12000

14000

16000

18000

20000

### 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	-53.47	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.39	-13	Pass	2985
30	1000	0.1	RMS	909.791	-58.37	-13	Pass	9700
1000	1830	1	RMS	1822.992	-48.71	-13	Pass	830
1830	1920	1	RMS	1909.2	21.78	60	Pass	601
1920	3000	1	RMS	2582.614	-43.92	-13	Pass	1080
3000	12000	1	RMS	3818.091	-31.47	-13	Pass	9000
12000	20000	1	RMS	19992.999	-36.93	-13	Pass	8000
30- 20- 10- 0- -10- -20- -30-								

Page 59 of **74** 



## 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	-52.94	-13	Pass	601
0.15	30	0.01	RMS	0.16	-52.79	-13	Pass	2985
30	1000	0.1	RMS	935.093	-58.25	-13	Pass	9700
1000	1830	1	RMS	1826.996	-48.72	-13	Pass	830
1830	1920	1	RMS	1895.85	21.34	60	Pass	601
1920	3000	1	RMS	1922.002	-43.27	-13	Pass	1080
3000	12000	1	RMS	3792.088	-31.21	-13	Pass	9000
12000	20000	1	RMS	16315.539	-36.55	-13	Pass	8000
30- 20- 10- 0- -10-								





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

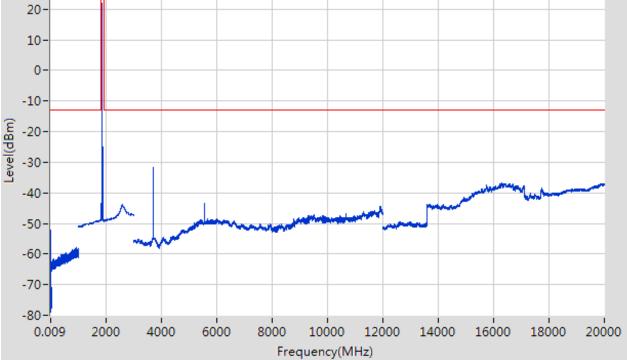
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-53.29	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.85	-13	Pass	2985
30	1000	0.1	RMS	891.989	-58.19	-13	Pass	9700
1000	1830	1	RMS	1828.999	-48.69	-13	Pass	830
1830	1920	1	RMS	1909.2	20.86	60	Pass	601
1920	3000	1	RMS	2566.599	-43.93	-13	Pass	1080
3000	12000	1	RMS	3818.091	-31.99	-13	Pass	9000
12000	20000	1	RMS	16315.539	-36.76	-13	Pass	8000
20- 10- 0- -10- (\(\text{\text{\$MB}}\)] -20- -30- -40- -50- -60- -70- -80- 0.009	2000 4000	6000	8000	10000 12000	0 14000	16000	18000	20000

Frequency(MHz)



## 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	0.012	-53.01	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.32	-13	Pass	2985
30	1000	0.1	RMS	931.893	-57.97	-13	Pass	9700
1000	1830	1	RMS	1815.983	-48.33	-13	Pass	830
1830	1920	1	RMS	1851.15	21.85	60	Pass	601
1920	3000	1	RMS	2577.609	-43.91	-13	Pass	1080
3000	12000	1	RMS	3702.078	-31.77	-13	Pass	9000
12000	20000	1	RMS	16280.535	-36.87	-13	Pass	8000
30- 20- 10- 0- -10-								





## 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	-53.23	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.74	-13	Pass	2985
30	1000	0.1	RMS	885.388	-58.3	-13	Pass	9700
1000	1830	1	RMS	1830	-48.68	-13	Pass	830
1830	1920	1	RMS	1868.85	22.09	60	Pass	601
1920	3000	1	RMS	2587.618	-43.93	-13	Pass	1080
3000	12000	1	RMS	3738.082	-33.3	-13	Pass	9000
12000	20000	1	RMS	16311.539	-36.77	-13	Pass	8000
30- 20- 10- 0-								





-60-

-70-

-80-

0.009

4000

2000

6000

8000

10000

Frequency(MHz)

12000

14000

16000

18000

20000

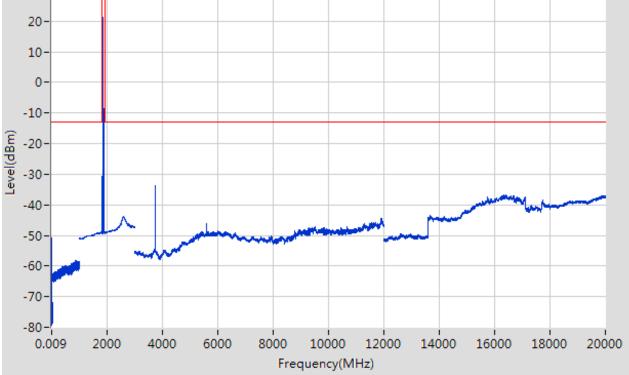
## 1.63. LTE Transmitter Spurious Emissions(NTNV)(Subtest:63, Channel:18700, Bandwidth:20, Modulation:16QAM, RB Number: 1, RB Position:LOW)

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	0.011	-53.82	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.47	-13	Pass	2985
30	1000	0.1	RMS	971.397	-58.24	-13	Pass	9700
1000	1830	1	RMS	1814.982	-48.52	-13	Pass	830
1830	1920	1	RMS	1851.15	20.97	60	Pass	601
1920	3000	1	RMS	2581.613	-43.9	-13	Pass	1080
3000	12000	1	RMS	3702.078	-32.53	-13	Pass	9000
12000	20000	1	RMS	16321.54	-36.8	-13	Pass	8000
30- 20- 10- 0- -10- (Rg) -20- -30- -40-							Manh	



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

Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.15	0.001	RMS	0.011	-53.11	-13	Pass	601
30	0.01	RMS	0.15	-50.85	-13	Pass	2985
1000	0.1	RMS	886.088	-58.25	-13	Pass	9700
1830	1	RMS	1825.995	-48.72	-13	Pass	830
1920	1	RMS	1868.85	21.21	60	Pass	601
3000	1	RMS	2591.622	-43.92	-13	Pass	1080
12000	1	RMS	3738.082	-33.64	-13	Pass	9000
20000	1	RMS	16319.54	-36.73	-13	Pass	8000
	Frequency (MHz) 0.15 30 1000 1830 1920 3000 12000	Frequency (MHz) RBW (MHz)   0.15 0.001   30 0.01   1000 0.1   1830 1   1920 1   3000 1   12000 1	Frequency (MHz) RBW (MHz) Detector   0.15 0.001 RMS   30 0.01 RMS   1000 0.1 RMS   1830 1 RMS   1920 1 RMS   3000 1 RMS   12000 1 RMS	Frequency (MHz) RBW (MHz) Detector (MHz) Frequency (MHz)   0.15 0.001 RMS 0.011   30 0.01 RMS 0.15   1000 0.1 RMS 886.088   1830 1 RMS 1825.995   1920 1 RMS 1868.85   3000 1 RMS 2591.622   12000 1 RMS 3738.082	Frequency (MHz) RBW (MHz) Detector Frequency (MHz) Power (dBm)   0.15 0.001 RMS 0.011 -53.11   30 0.01 RMS 0.15 -50.85   1000 0.1 RMS 886.088 -58.25   1830 1 RMS 1825.995 -48.72   1920 1 RMS 1868.85 21.21   3000 1 RMS 2591.622 -43.92   12000 1 RMS 3738.082 -33.64	Frequency (MHz) RBW (MHz) Detector (MHz) Frequency (MHz) Power (dBm) Limit (dBm)   0.15 0.001 RMS 0.011 -53.11 -13   30 0.01 RMS 0.15 -50.85 -13   1000 0.1 RMS 886.088 -58.25 -13   1830 1 RMS 1825.995 -48.72 -13   1920 1 RMS 1868.85 21.21 60   3000 1 RMS 2591.622 -43.92 -13   12000 1 RMS 3738.082 -33.64 -13	Frequency (MHz) RBW (MHz) Detector (MHz) Frequency (MHz) Power (dBm) Limit (dBm) Verdict   0.15 0.001 RMS 0.011 -53.11 -13 Pass   30 0.01 RMS 0.15 -50.85 -13 Pass   1000 0.1 RMS 886.088 -58.25 -13 Pass   1830 1 RMS 1825.995 -48.72 -13 Pass   1920 1 RMS 1868.85 21.21 60 Pass   3000 1 RMS 2591.622 -43.92 -13 Pass   12000 1 RMS 3738.082 -33.64 -13 Pass





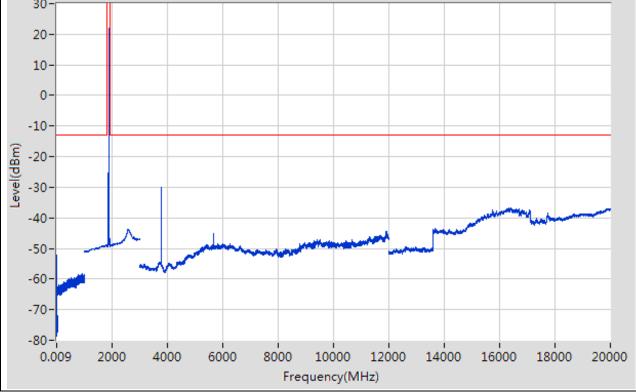
## 1.65. LTE Transmitter Spurious Emissions(NTNV)(Subtest:65, Channel:18900, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)

	·		•	ŕ		,		
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	-53.81	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.48	-13	Pass	2985
30	1000	0.1	RMS	974.897	-58.19	-13	Pass	9700
1000	1830	1	RMS	1820.989	-48.69	-13	Pass	830
1830	1920	1	RMS	1871.1	22.19	60	Pass	601
1920	3000	1	RMS	2586.617	-43.91	-13	Pass	1080
3000	12000	1	RMS	3742.082	-32.98	-13	Pass	9000
12000	20000	1	RMS	16316.54	-36.81	-13	Pass	8000
30- 20- 10- 0- -10-								
£ -20-								



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

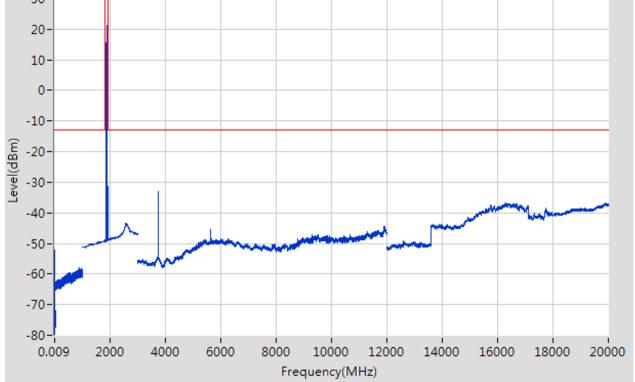
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-52.36	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.3	-13	Pass	2985
30	1000	0.1	RMS	929.793	-58.07	-13	Pass	9700
1000	1830	1	RMS	1828.999	-48.73	-13	Pass	830
1830	1920	1	RMS	1888.95	22.07	60	Pass	601
1920	3000	1	RMS	2574.606	-43.89	-13	Pass	1080
3000	12000	1	RMS	3778.086	-29.89	-13	Pass	9000
12000	20000	1	RMS	16315.539	-36.7	-13	Pass	8000
30 - 20 - 10 -								





## 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	-52.67	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.09	-13	Pass	2985
30	1000	0.1	RMS	876.387	-58.01	-13	Pass	9700
1000	1830	1	RMS	1824.994	-48.86	-13	Pass	830
1830	1920	1	RMS	1871.1	21.12	60	Pass	601
1920	3000	1	RMS	2571.603	-43.55	-13	Pass	1080
3000	12000	1	RMS	3742.082	-33.15	-13	Pass	9000
12000	20000	1	RMS	16314.539	-36.82	-13	Pass	8000
30- 20- 10- 0-								





-60-

-70-

-80-

0.009

4000

2000

6000

8000

10000

Frequency(MHz)

12000

14000

16000

18000

20000

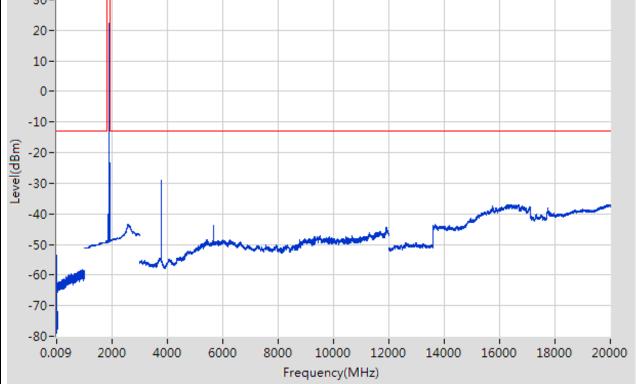
### 1.68. LTE Transmitter Spurious Emissions(NTNV)(Subtest:68, Channel:18900, Bandwidth:20, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

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	0.009	-52.93	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.35	-13	Pass	2985
30	1000	0.1	RMS	915.991	-58.33	-13	Pass	9700
1000	1830	1	RMS	1812.979	-48.83	-13	Pass	830
1830	1920	1	RMS	1888.95	20.99	60	Pass	601
1920	3000	1	RMS	2571.603	-43.57	-13	Pass	1080
3000	12000	1	RMS	3778.086	-30.31	-13	Pass	9000
12000	20000	1	RMS	16318.54	-36.76	-13	Pass	8000
30- 20- 10- 0- -10- -20- -30- -40-								



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

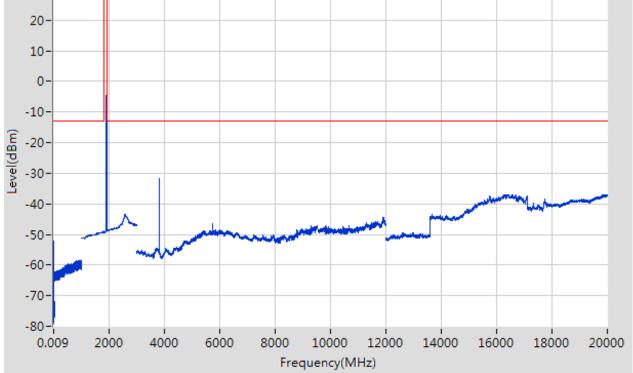
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-54.36	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.45	-13	Pass	2985
30	1000	0.1	RMS	939.394	-58.19	-13	Pass	9700
1000	1830	1	RMS	1810.977	-48.82	-13	Pass	830
1830	1920	1	RMS	1891.05	22.31	60	Pass	601
1920	3000	1	RMS	2577.609	-43.57	-13	Pass	1080
3000	12000	1	RMS	3782.087	-28.95	-13	Pass	9000
12000	20000	1	RMS	19914.989	-36.92	-13	Pass	8000
30 - 20 - 10 -								





## 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	0.01	-53.06	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.17	-13	Pass	2985
30	1000	0.1	RMS	882.388	-58.46	-13	Pass	9700
1000	1830	1	RMS	1828.999	-48.86	-13	Pass	830
1830	1920	1	RMS	1908.9	21.68	60	Pass	601
1920	3000	1	RMS	2595.626	-43.56	-13	Pass	1080
3000	12000	1	RMS	3818.091	-31.64	-13	Pass	9000
12000	20000	1	RMS	19924.991	-36.92	-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

## 1.71. 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	0.01	-54.24	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.73	-13	Pass	2985
30	1000	0.1	RMS	933.693	-57.98	-13	Pass	9700
1000	1830	1	RMS	1819.988	-48.81	-13	Pass	830
1830	1920	1	RMS	1891.05	21.39	60	Pass	601
1920	3000	1	RMS	2596.627	-43.53	-13	Pass	1080
3000	12000	1	RMS	3782.087	-29.94	-13	Pass	9000
12000	20000	1	RMS	16319.54	-36.81	-13	Pass	8000
30- 20- 10- 0- -10- -20- -30-								



-40

-50-

-60-

-70-

-80-

0.009

4000

2000

6000

8000

10000

Frequency(MHz)

12000

14000

16000

18000

20000

#### 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	-53.02	-13	Pass	601
0.15	30	0.01	RMS	0.15	-51.18	-13	Pass	2985
30	1000	0.1	RMS	902.69	-58.22	-13	Pass	9700
1000	1830	1	RMS	1826.996	-48.81	-13	Pass	830
1830	1920	1	RMS	1908.9	20.61	60	Pass	601
1920	3000	1	RMS	2582.614	-43.6	-13	Pass	1080
3000	12000	1	RMS	3818.091	-32.85	-13	Pass	9000
12000	20000	1	RMS	16318.54	-36.67	-13	Pass	8000
30- 20- 10- 0- -10- (Eg -20-								

Page 73 of 74



END