

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



#### 1. LTE\_Band4

0.009

2000

4000

6000

8000

Frequency(MHz)

## 1.1. LTE Transmitter Spurious Emissions(NTNV)(Subtest:1, Channel:19957, 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	-50.39	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.87	-13	Pass	2985
30	1000	0.1	RMS	948.095	-60.71	-13	Pass	9700
1000	1700	1	RMS	1624.893	-51.29	-13	Pass	700
1700	1765	1	RMS	1710.292	22.31	60	Pass	601
1765	3000	1	RMS	2662.727	-47.37	-13	Pass	1235
3000	12000	1	RMS	11997	-50.04	-13	Pass	9000
12000	20000	1	RMS	17740.718	-42.67	-13	Pass	8000
20- 10- 0- -10- (Mg -20- -30- -40- -50- -60-						-20-10-10-10-10-10-10-10-10-10-10-10-10-10		*



# 1.2. LTE Transmitter Spurious Emissions(NTNV)(Subtest:2, Channel:19957, 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	-51.03	-13	Pass	601
0.15	30	0.01	RMS	0.15	-54.79	-13	Pass	2985
30	1000	0.1	RMS	937.594	-60.67	-13	Pass	9700
1000	1700	1	RMS	1631.903	-51.28	-13	Pass	700
1700	1765	1	RMS	1711.158	22.09	60	Pass	601
1765	3000	1	RMS	2668.732	-47.32	-13	Pass	1235
3000	12000	1	RMS	11977.998	-50.08	-13	Pass	9000
12000 30-	20000	1	RMS	17740.718	-42.65	-13	Pass	8000
20- 10- 0- -10- (\overline{\text{Wg}}) -30- -40- -50- -60- -70- -80- 0.009	2000 4000	6000	8000	10000 1200	0 14000	16000	18000	20000

Frequency(MHz)



# 1.3. LTE Transmitter Spurious Emissions(NTNV)(Subtest:3, Channel:19957, Bandwidth:1.4, Modulation:Q16, 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	-50.82	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.22	-13	Pass	2985
30	1000	0.1	RMS	945.794	-60.58	-13	Pass	9700
1000	1700	1	RMS	1631.903	-51.29	-13	Pass	700
1700	1765	1	RMS	1710.292	21.21	60	Pass	601
1765	3000	1	RMS	2667.731	-47.43	-13	Pass	1235
3000	12000	1	RMS	12000	-50.07	-13	Pass	9000
12000 30-	20000	1	RMS	17741.718	-42.68	-13	Pass	8000
20- 10- 0- -10- (Mg -20- -30- -40- -50- -60- -70- -80-								
0.009	2000 4000	6000		10000 1200 iency(MHz)	0 14000	16000	18000	20000



## 1.4. LTE Transmitter Spurious Emissions(NTNV)(Subtest:4, Channel:19957, Bandwidth:1.4, Modulation:Q16, 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	-50.48	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.11	-13	Pass	2985
30	1000	0.1	RMS	947.195	-60.7	-13	Pass	9700
1000	1700	1	RMS	1640.916	-51.29	-13	Pass	700
1700	1765	1	RMS	1711.158	21.53	60	Pass	601
1765	3000	1	RMS	2665.729	-47.42	-13	Pass	1235
3000	12000	1	RMS	11999	-50.04	-13	Pass	9000
12000 30-	20000	1	RMS	17745.718	-42.69	-13	Pass	8000
20- 10- 0- -10- (mgp) -20- -30- -40- -50- -60- -70- -80- 0.009	2000 4000	6000	8000	10000 1200	0 14000	16000	18000	20000

Frequency(MHz)



-70

-80-

0.009

#### 1.5. LTE Transmitter Spurious Emissions(NTNV)(Subtest:5, Channel:20175, 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	-50.81	-13	Pass	60
0.15	30	0.01	RMS	0.15	-53.68	-13	Pass	298
30	1000	0.1	RMS	972.597	-60.51	-13	Pass	970
1000	1700	1	RMS	1622.89	-51.29	-13	Pass	70
1700	1765	1	RMS	1732.067	22.55	60	Pass	60
1765	3000	1	RMS	2663.728	-47.34	-13	Pass	123
3000	12000	1	RMS	11987.999	-50.04	-13	Pass	900
12000	20000	1	RMS	17741.718	-42.66	-13	Pass	800
30- 20- 10- 0- -10- -20-								
-40- -50-	٠					المراس على سمرر.	and the	

8000

Frequency(MHz)

6000

4000

2000



-60-

-70

-80-

0.009

4000

2000

6000

8000

Frequency(MHz)

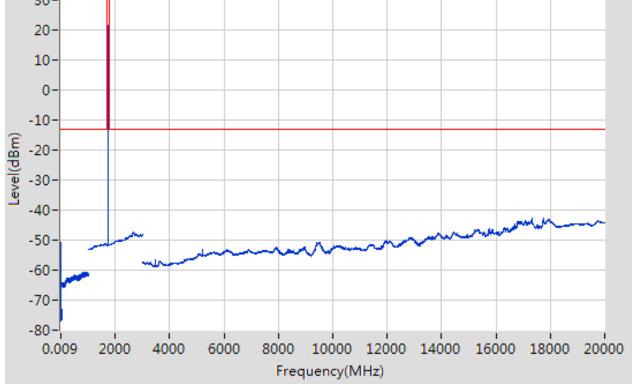
#### 1.6. LTE Transmitter Spurious Emissions(NTNV)(Subtest:6, Channel:20175, Bandwidth:1.4, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

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	-50.61	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.26	-13	Pass	2985
30	1000	0.1	RMS	912.891	-60.58	-13	Pass	9700
1000	1700	1	RMS	1621.888	-51.31	-13	Pass	700
1700	1765	1	RMS	1732.933	22.73	60	Pass	601
1765	3000	1	RMS	2667.731	-47.36	-13	Pass	1235
3000	12000	1	RMS	12000	-50.1	-13	Pass	9000
12000	20000	1	RMS	17742.718	-42.71	-13	Pass	8000
30- 20- 10- 0- -10- -20-								



## 1.7. LTE Transmitter Spurious Emissions(NTNV)(Subtest:7, Channel:20175, Bandwidth:1.4, Modulation:Q16, RB Number: 1, RB Position:LOW)

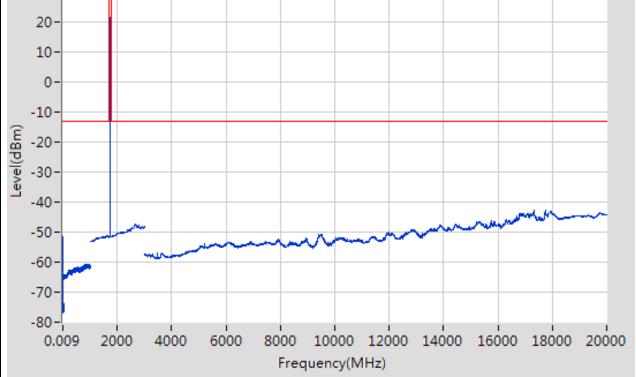
						•		
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-50.66	-13	Pass	601
0.15	30	0.01	RMS	0.16	-53.54	-13	Pass	2985
30	1000	0.1	RMS	918.892	-60.66	-13	Pass	9700
1000	1700	1	RMS	1649.928	-51.3	-13	Pass	700
1700	1765	1	RMS	1732.067	21.45	60	Pass	601
1765	3000	1	RMS	2666.73	-47.37	-13	Pass	1235
3000	12000	1	RMS	12000	-50.09	-13	Pass	9000
12000	20000	1	RMS	17740.718	-42.64	-13	Pass	8000
30- 20- 10- 0-								





## 1.8. LTE Transmitter Spurious Emissions(NTNV)(Subtest:8, Channel:20175, Bandwidth:1.4, Modulation:Q16, 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	-51.39	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.47	-13	Pass	2985
30	1000	0.1	RMS	932.593	-60.62	-13	Pass	9700
1000	1700	1	RMS	1640.916	-51.3	-13	Pass	700
1700	1765	1	RMS	1732.933	21.7	60	Pass	601
1765	3000	1	RMS	2666.73	-47.36	-13	Pass	1235
3000	12000	1	RMS	11997	-50.11	-13	Pass	9000
12000	20000	1	RMS	17742.718	-42.64	-13	Pass	8000
30- 20- 10- 0-								





-70

-80-

0.009

#### 1.9. LTE Transmitter Spurious Emissions(NTNV)(Subtest:9, Channel:20393, 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	-51.29	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.33	-13	Pass	2985
30	1000	0.1	RMS	939.094	-60.77	-13	Pass	9700
1000	1700	1	RMS	1644.921	-51.3	-13	Pass	700
1700	1765	1	RMS	1753.842	22.67	60	Pass	601
1765	3000	1	RMS	2667.731	-47.34	-13	Pass	1235
3000	12000	1	RMS	11998	-50.06	-13	Pass	9000
12000	20000	1	RMS	17742.718	-42.66	-13	Pass	8000
30- 20- 10- 0- -10- -20-								

8000

Frequency(MHz)

6000

4000

2000



-50-

-60

-70

-80-

0.009

4000

2000

6000

8000

Frequency(MHz)

#### 1.10. LTE Transmitter Spurious Emissions(NTNV)(Subtest:10, Channel:20393, 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	-50.25	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.33	-13	Pass	2985
30	1000	0.1	RMS	946.394	-60.59	-13	Pass	9700
1000	1700	1	RMS	1617.883	-51.3	-13	Pass	700
1700	1765	1	RMS	1754.708	22.64	60	Pass	601
1765	3000	1	RMS	2665.729	-47.41	-13	Pass	1235
3000	12000	1	RMS	11998	-50.12	-13	Pass	9000
12000	20000	1	RMS	17741.718	-42.65	-13	Pass	8000
30- 20- 10- 0- -10- (mgp) -30-								



-60-

-70

-80-

0.009

2000

4000

6000

#### 1.11. LTE Transmitter Spurious Emissions(NTNV)(Subtest:11, Channel:20393, Bandwidth:1.4, Modulation:Q16, 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	-50.74	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.51	-13	Pass	2985
30	1000	0.1	RMS	902.69	-60.49	-13	Pass	9700
1000	1700	1	RMS	1621.888	-51.29	-13	Pass	700
1700	1765	1	RMS	1753.842	21.58	60	Pass	601
1765	3000	1	RMS	2669.733	-47.4	-13	Pass	1235
3000	12000	1	RMS	12000	-50.07	-13	Pass	9000
12000	20000	1	RMS	17741.718	-42.67	-13	Pass	8000
30- 20- 10- 0- -10- (\(\bar{B}\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\								

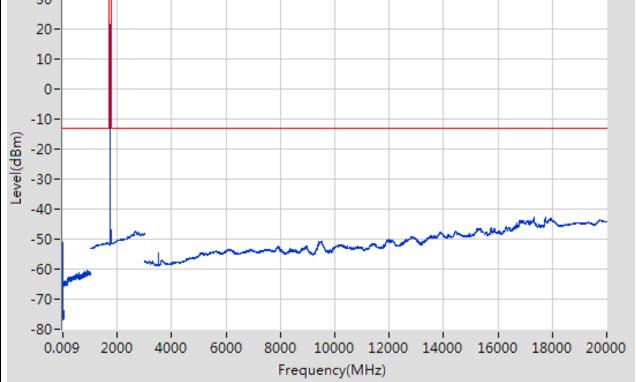
8000

Frequency(MHz)



#### 1.12. LTE Transmitter Spurious Emissions(NTNV)(Subtest:12, Channel:20393, Bandwidth:1.4, Modulation:Q16, RB Number: 1, RB Position:HIGH)

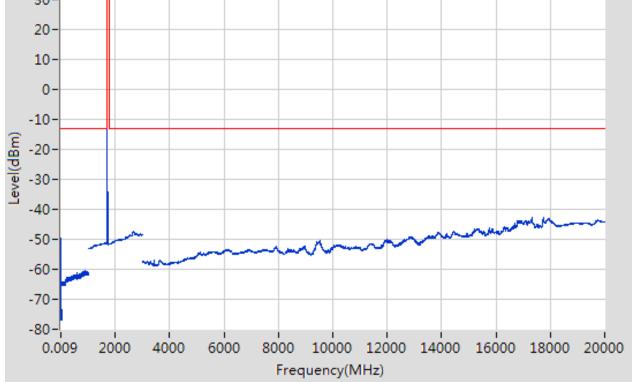
Start	Stop			_	_			_
Frequency	Frequency	RBW	Detector	Frequency	Power	Limit	Verdict	Sweep
(MHz)	(MHz)	(MHz)	'	(MHz)	(dBm)	(dBm)		Point
0.009	0.15	0.001	RMS	0.01	-51.12	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.6	-13	Pass	2985
30	1000	0.1	RMS	902.39	-60.57	-13	Pass	9700
1000	1700	1	RMS	1641.917	-51.32	-13	Pass	700
1700	1765	1	RMS	1754.708	21.46	60	Pass	601
1765	3000	1	RMS	2667.731	-47.4	-13	Pass	1235
3000	12000	1	RMS	12000	-50.05	-13	Pass	9000
12000	20000	1	RMS	17741.718	-42.66	-13	Pass	8000
30-								
20-								
10-								
0-								
-10-								





#### 1.13. LTE Transmitter Spurious Emissions(NTNV)(Subtest:13, Channel:19965, 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	-49.8	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.86	-13	Pass	2985
30	1000	0.1	RMS	905.99	-60.36	-13	Pass	9700
1000	1700	1	RMS	1700	-51.23	-13	Pass	700
1700	1765	1	RMS	1710.183	22.51	60	Pass	601
1765	3000	1	RMS	2662.727	-47.44	-13	Pass	1235
3000	12000	1	RMS	11987.999	-50.06	-13	Pass	9000
12000	20000	1	RMS	17740.718	-42.64	-13	Pass	8000
30- 20- 10- 0-								





-50-

-60

-70

-80-

0.009

2000

4000

6000

8000

Frequency(MHz)

#### 1.14. LTE Transmitter Spurious Emissions(NTNV)(Subtest:14, Channel:19965, 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	-50.93	-13	Pass	601
0.15	30	0.01	RMS	0.16	-53.88	-13	Pass	2985
30	1000	0.1	RMS	919.192	-60.59	-13	Pass	9700
1000	1700	1	RMS	1638.913	-51.28	-13	Pass	700
1700	1765	1	RMS	1712.783	22.46	60	Pass	601
1765	3000	1	RMS	2669.733	-47.4	-13	Pass	1235
3000	12000	1	RMS	11997	-50.11	-13	Pass	9000
12000	20000	1	RMS	17740.718	-42.65	-13	Pass	8000
30- 20- 10- 0- -10- (Mg) -20-								



-70

-80-

0.009

4000

2000

6000

8000

Frequency(MHz)

#### 1.15. LTE Transmitter Spurious Emissions(NTNV)(Subtest:15, Channel:19965, Bandwidth:3, Modulation:Q16, 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	-50.83	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.78	-13	Pass	2985
30	1000	0.1	RMS	933.093	-60.74	-13	Pass	9700
1000	1700	1	RMS	1700	-51.28	-13	Pass	700
1700	1765	1	RMS	1710.292	21.63	60	Pass	601
1765	3000	1	RMS	2667.731	-47.44	-13	Pass	1235
3000	12000	1	RMS	11994.999	-50.08	-13	Pass	9000
12000	20000	1	RMS	17741.718	-42.66	-13	Pass	8000
30- 20- 10- 0- -10- (Wgp) -30-								
-40-						لفرس على سميد		



-50-

-60

-70

-80-

0.009

#### 1.16. LTE Transmitter Spurious Emissions(NTNV)(Subtest:16, Channel:19965, Bandwidth:3, Modulation:Q16, 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	-51.09	-13	Pass	60′
0.15	30	0.01	RMS	0.15	-53.41	-13	Pass	298
30	1000	0.1	RMS	948.095	-60.7	-13	Pass	9700
1000	1700	1	RMS	1630.901	-51.32	-13	Pass	700
1700	1765	1	RMS	1712.783	21.39	60	Pass	601
1765	3000	1	RMS	2668.732	-47.41	-13	Pass	1235
3000	12000	1	RMS	11999	-50.05	-13	Pass	9000
12000	20000	1	RMS	17741.718	-42.63	-13	Pass	8000
30- 20- 10- 0- -10- (Hop) -30- -40-								

8000

Frequency(MHz)

6000

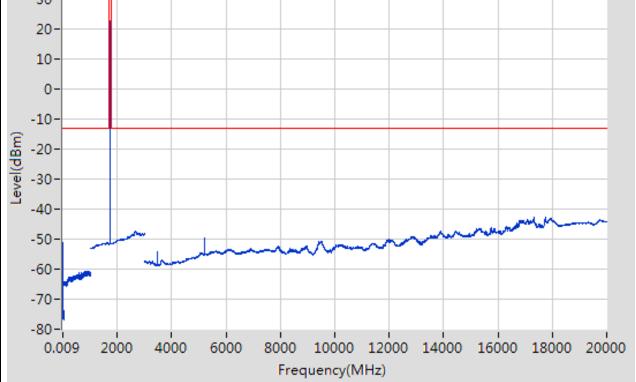
4000

2000



#### 1.17. LTE Transmitter Spurious Emissions(NTNV)(Subtest:17, Channel:20175, Bandwidth:3, Modulation:QPSK, RB Number: 1, RB Position:LOW)

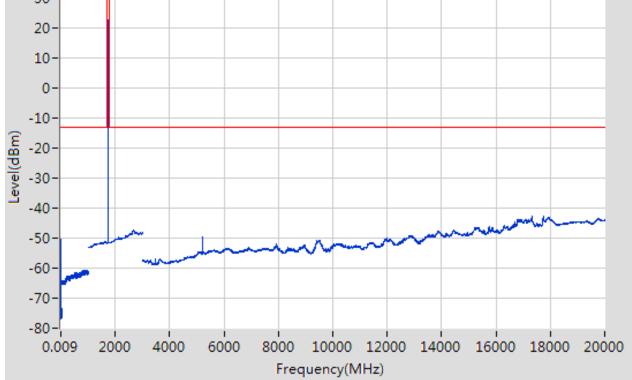
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-51.14	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.95	-13	Pass	2985
30	1000	0.1	RMS	903.39	-60.62	-13	Pass	9700
1000	1700	1	RMS	1623.891	-51.31	-13	Pass	700
1700	1765	1	RMS	1731.2	22.68	60	Pass	601
1765	3000	1	RMS	2666.73	-47.39	-13	Pass	1235
3000	12000	1	RMS	5193.244	-49.43	-13	Pass	9000
12000	20000	1	RMS	17739.717	-42.6	-13	Pass	8000
30- 20- 10- 0-								





#### 1.18. LTE Transmitter Spurious Emissions(NTNV)(Subtest:18, Channel:20175, Bandwidth:3, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

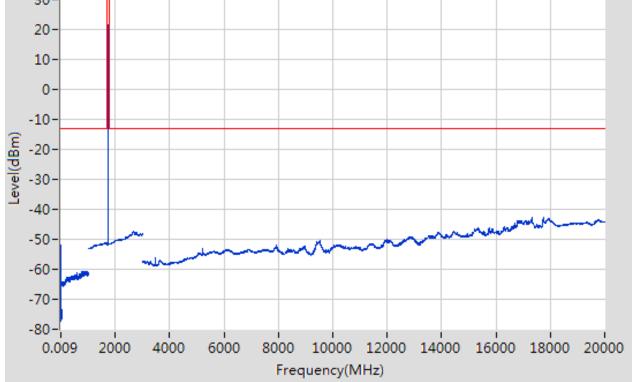
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-50.41	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.68	-13	Pass	2985
30	1000	0.1	RMS	942.494	-60.66	-13	Pass	9700
1000	1700	1	RMS	1644.921	-51.3	-13	Pass	700
1700	1765	1	RMS	1733.8	22.52	60	Pass	601
1765	3000	1	RMS	2662.727	-47.41	-13	Pass	1235
3000	12000	1	RMS	5201.245	-49.47	-13	Pass	9000
12000	20000	1	RMS	17740.718	-42.63	-13	Pass	8000
30- 20- 10- 0-								





#### 1.19. LTE Transmitter Spurious Emissions(NTNV)(Subtest:19, Channel:20175, Bandwidth:3, Modulation:Q16, 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	-52.04	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.78	-13	Pass	2985
30	1000	0.1	RMS	904.89	-60.75	-13	Pass	9700
1000	1700	1	RMS	1625.894	-51.31	-13	Pass	700
1700	1765	1	RMS	1731.2	21.53	60	Pass	601
1765	3000	1	RMS	2666.73	-47.42	-13	Pass	1235
3000	12000	1	RMS	11999	-50.06	-13	Pass	9000
12000	20000	1	RMS	17741.718	-42.63	-13	Pass	8000
30- 20- 10- 0-								





-50-

-60

-70

-80-

0.009

4000

2000

8000

Frequency(MHz)

6000

#### 1.20. LTE Transmitter Spurious Emissions(NTNV)(Subtest:20, Channel:20175, Bandwidth:3, Modulation:Q16, 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	-50.91	-13	Pass	60
0.15	30	0.01	RMS	0.15	-54.59	-13	Pass	298
30	1000	0.1	RMS	905.89	-59.41	-13	Pass	970
1000	1700	1	RMS	1633.906	-51.3	-13	Pass	70
1700	1765	1	RMS	1733.8	21.49	60	Pass	60
1765	3000	1	RMS	2665.729	-47.41	-13	Pass	123
3000	12000	1	RMS	11999	-50.05	-13	Pass	900
12000	20000	1	RMS	17742.718	-42.69	-13	Pass	800
30- 20- 10- 0- -10- -20-								



-40

-50-

-60

-70

-80-0.009

2000

4000

6000

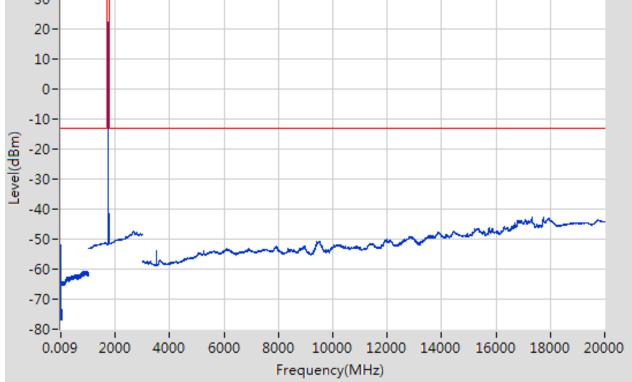
#### 1.21. LTE Transmitter Spurious Emissions(NTNV)(Subtest:21, Channel:20385, Bandwidth: 3, Modulation: QPSK, RB Number: 1, RB Position: LOW)

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	-50.99	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.95	-13	Pass	2985
30	1000	0.1	RMS	934.593	-60.61	-13	Pass	9700
1000	1700	1	RMS	1625.894	-51.27	-13	Pass	700
1700	1765	1	RMS	1752.217	22.42	60	Pass	601
1765	3000	1	RMS	2667.731	-47.39	-13	Pass	1235
3000	12000	1	RMS	11994.999	-49.98	-13	Pass	9000
12000	20000	1	RMS	17742.718	-42.63	-13	Pass	8000
30- 20- 10- 0- -10- (\text{\tin}\text{\tetx{\text{\text{\text{\text{\text{\texi}\text{\text{\text{\text{\texi{\texi{\text{\texi}\text{\texi{\texi{\texi\text{\texi{\texit}\texi{\texi{\texi{\texi{\texi{\texi{\texi{\texi{\texi{\tet								



#### 1.22. LTE Transmitter Spurious Emissions(NTNV)(Subtest:22, Channel:20385, 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	0.012	-52.01	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.51	-13	Pass	2985
30	1000	0.1	RMS	927.893	-60.76	-13	Pass	9700
1000	1700	1	RMS	1633.906	-51.29	-13	Pass	700
1700	1765	1	RMS	1754.708	22.31	60	Pass	601
1765	3000	1	RMS	2666.73	-47.36	-13	Pass	1235
3000	12000	1	RMS	11978.998	-50.08	-13	Pass	9000
12000	20000	1	RMS	17745.718	-42.63	-13	Pass	8000
30- 20- 10- 0- -10-								





-60-

-70

-80-

0.009

4000

2000

#### 1.23. LTE Transmitter Spurious Emissions(NTNV)(Subtest:23, Channel:20385, Bandwidth:3, Modulation:Q16, 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	-51.76	-13	Pass	60
0.15	30	0.01	RMS	0.16	-53.99	-13	Pass	298
30	1000	0.1	RMS	914.991	-60.56	-13	Pass	970
1000	1700	1	RMS	1618.884	-51.31	-13	Pass	70
1700	1765	1	RMS	1752.217	21.5	60	Pass	60
1765	3000	1	RMS	2668.732	-47.37	-13	Pass	123
3000	12000	1	RMS	12000	-50.04	-13	Pass	900
12000	20000	1	RMS	17739.717	-42.68	-13	Pass	800
30- 20- 10- 0- -10- -20- -30- -40-								

8000

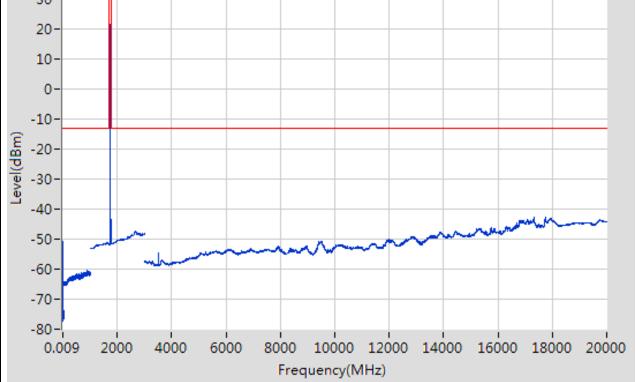
Frequency(MHz)

6000



#### 1.24. LTE Transmitter Spurious Emissions(NTNV)(Subtest:24, Channel:20385, Bandwidth:3, Modulation:Q16, 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	-50.91	-13	Pass	601
0.15	30	0.01	RMS	0.15	-54.07	-13	Pass	2985
30	1000	0.1	RMS	892.389	-60.28	-13	Pass	9700
1000	1700	1	RMS	1622.89	-51.33	-13	Pass	700
1700	1765	1	RMS	1754.708	21.54	60	Pass	601
1765	3000	1	RMS	2667.731	-47.39	-13	Pass	1235
3000	12000	1	RMS	11988.999	-50.1	-13	Pass	9000
12000	20000	1	RMS	17742.718	-42.68	-13	Pass	8000
30- 20- 10- 0-								





-60

-70

-80-

0.009

4000

2000

6000

8000

Frequency(MHz)

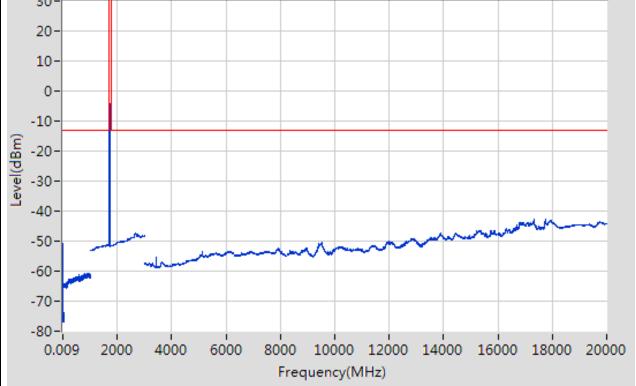
#### 1.25. LTE Transmitter Spurious Emissions(NTNV)(Subtest:25, Channel:19975, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

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	-51.58	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.36	-13	Pass	2985
30	1000	0.1	RMS	886.088	-60.57	-13	Pass	9700
1000	1700	1	RMS	1700	-51.16	-13	Pass	700
1700	1765	1	RMS	1710.292	22.53	60	Pass	601
1765	3000	1	RMS	2666.73	-47.34	-13	Pass	1235
3000	12000	1	RMS	11998	-50.11	-13	Pass	9000
12000	20000	1	RMS	17742.718	-42.67	-13	Pass	8000
30- 20- 10- 0- -10- (MB) -20-								



#### 1.26. LTE Transmitter Spurious Emissions(NTNV)(Subtest:26, Channel:19975, 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	-50.68	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.83	-13	Pass	2985
30	1000	0.1	RMS	814.981	-60.59	-13	Pass	9700
1000	1700	1	RMS	1696.996	-50.96	-13	Pass	700
1700	1765	1	RMS	1714.625	22.42	60	Pass	601
1765	3000	1	RMS	2664.729	-47.38	-13	Pass	1235
3000	12000	1	RMS	11999	-50.03	-13	Pass	9000
12000	20000	1	RMS	17741.718	-42.63	-13	Pass	8000
30- 20- 10- 0-								





-70

-80-

0.009

4000

2000

#### 1.27. LTE Transmitter Spurious Emissions(NTNV)(Subtest:27, Channel:19975, Bandwidth:5, Modulation:Q16, 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	-51.54	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.38	-13	Pass	2985
30	1000	0.1	RMS	969.497	-60.69	-13	Pass	9700
1000	1700	1	RMS	1700	-51.2	-13	Pass	700
1700	1765	1	RMS	1710.292	21.37	60	Pass	601
1765	3000	1	RMS	2665.729	-47.39	-13	Pass	1235
3000	12000	1	RMS	11998	-50.06	-13	Pass	9000
12000	20000	1	RMS	17740.718	-42.62	-13	Pass	8000
30- 20- 10- 0- -10- -20-								
-40-								

8000

Frequency(MHz)

6000



-60

-70

-80-

0.009

4000

2000

6000

8000

Frequency(MHz)

#### 1.28. LTE Transmitter Spurious Emissions(NTNV)(Subtest:28, Channel:19975, Bandwidth:5, Modulation:Q16, 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	-51.48	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.54	-13	Pass	2985
30	1000	0.1	RMS	937.194	-60.66	-13	Pass	9700
1000	1700	1	RMS	1696.996	-51.04	-13	Pass	700
1700	1765	1	RMS	1714.625	21.56	60	Pass	601
1765	3000	1	RMS	2667.731	-47.41	-13	Pass	1235
3000	12000	1	RMS	12000	-50.05	-13	Pass	9000
12000	20000	1	RMS	17742.718	-42.64	-13	Pass	8000
30- 20- 10- 0- -10- (Mg -20-								



-40

-50-

-60

-70

-80-

0.009

#### 1.29. LTE Transmitter Spurious Emissions(NTNV)(Subtest:29, Channel:20175, 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	-51.22	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.83	-13	Pass	2985
30	1000	0.1	RMS	899.39	-59.23	-13	Pass	9700
1000	1700	1	RMS	1626.896	-51.29	-13	Pass	700
1700	1765	1	RMS	1730.333	22.77	60	Pass	601
1765	3000	1	RMS	2667.731	-47.36	-13	Pass	1235
3000	12000	1	RMS	11997	-50.04	-13	Pass	9000
12000	20000	1	RMS	17746.718	-42.67	-13	Pass	8000
30- 20- 10- 0- -10-								



-60-

-70

-80-

0.009

4000

2000

8000

Frequency(MHz)

6000

#### 1.30. LTE Transmitter Spurious Emissions(NTNV)(Subtest:30, Channel:20175, 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	-51.49	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.9	-13	Pass	2985
30	1000	0.1	RMS	933.693	-60.75	-13	Pass	9700
1000	1700	1	RMS	1634.907	-51.3	-13	Pass	700
1700	1765	1	RMS	1734.667	22.58	60	Pass	601
1765	3000	1	RMS	2665.729	-47.39	-13	Pass	1235
3000	12000	1	RMS	11982.998	-50.14	-13	Pass	9000
12000	20000	1	RMS	17740.718	-42.73	-13	Pass	8000
30- 20- 10- 0- -10- (Egp) -30- -40-								



-70

-80-

0.009

4000

2000

6000

8000

Frequency(MHz)

#### 1.31. LTE Transmitter Spurious Emissions(NTNV)(Subtest:31, Channel:20175, Bandwidth:5, Modulation:Q16, 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	-51.24	-13	Pass	60
0.15	30	0.01	RMS	0.15	-54.09	-13	Pass	298
30	1000	0.1	RMS	950.895	-60.61	-13	Pass	970
1000	1700	1	RMS	1629.9	-51.34	-13	Pass	700
1700	1765	1	RMS	1730.333	21.55	60	Pass	60 <sup>-</sup>
1765	3000	1	RMS	2666.73	-47.44	-13	Pass	123
3000	12000	1	RMS	11996	-50.13	-13	Pass	9000
12000	20000	1	RMS	17742.718	-42.71	-13	Pass	800
30- 20- 10- 0- -10- -20-								
-50-						لفهيل بيوساس	and the	



#### 1.32. LTE Transmitter Spurious Emissions(NTNV)(Subtest:32, Channel:20175, Bandwidth:5, Modulation:Q16, 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	-51.11	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.15	-13	Pass	2985
30	1000	0.1	RMS	942.094	-60.84	-13	Pass	9700
1000	1700	1	RMS	1634.907	-51.39	-13	Pass	700
1700	1765	1	RMS	1734.667	21.69	60	Pass	601
1765	3000	1	RMS	2666.73	-47.47	-13	Pass	1235
3000	12000	1	RMS	11990.999	-50.14	-13	Pass	9000
12000 30-	20000	1	RMS	17742.718	-42.77	-13	Pass	8000
20- 10- 0- -10- (\text{\tinx}\text{\tinx}\text{\tex{\tex	2000 4000	6000	8000	10000 12000	0 14000	16000	18000	20000

Frequency(MHz)



-60-

-70

-80-

0.009

4000

2000

6000

8000

Frequency(MHz)

#### 1.33. LTE Transmitter Spurious Emissions(NTNV)(Subtest:33, Channel:20375, 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	-50.83	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.68	-13	Pass	2985
30	1000	0.1	RMS	943.394	-60.77	-13	Pass	970
1000	1700	1	RMS	1624.893	-51.38	-13	Pass	700
1700	1765	1	RMS	1750.375	22.46	60	Pass	601
1765	3000	1	RMS	2665.729	-47.45	-13	Pass	1235
3000	12000	1	RMS	12000	-50.19	-13	Pass	9000
12000	20000	1	RMS	17739.717	-42.73	-13	Pass	8000
30- 20- 10- 0- -10- -20- -30- -40-								



#### 1.34. LTE Transmitter Spurious Emissions(NTNV)(Subtest:34, Channel:20375, 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	-51.5	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.89	-13	Pass	2985
30	1000	0.1	RMS	852.885	-60.63	-13	Pass	9700
1000	1700	1	RMS	1634.907	-51.37	-13	Pass	700
1700	1765	1	RMS	1754.6	22.5	60	Pass	601
1765	3000	1	RMS	2665.729	-47.42	-13	Pass	1235
3000	12000	1	RMS	11998	-50.11	-13	Pass	9000
12000	20000	1	RMS	17742.718	-42.73	-13	Pass	8000
30- 20- 10- 0- -10-								



-70

-80-

0.009

#### 1.35. LTE Transmitter Spurious Emissions(NTNV)(Subtest:35, Channel:20375, Bandwidth:5, Modulation:Q16, 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	-51.01	-13	Pass	60
0.15	30	0.01	RMS	0.15	-53	-13	Pass	298
30	1000	0.1	RMS	936.193	-60.73	-13	Pass	970
1000	1700	1	RMS	1631.903	-51.39	-13	Pass	70
1700	1765	1	RMS	1750.375	21.46	60	Pass	60 <sup>-</sup>
1765	3000	1	RMS	2665.729	-47.48	-13	Pass	1235
3000	12000	1	RMS	11998	-50.15	-13	Pass	9000
12000	20000	1	RMS	17740.718	-42.77	-13	Pass	800
30- 20- 10- 0- -10- -20-								
-50-						- N. W. W. W. W. W.	- Market	_~

8000

Frequency(MHz)

6000

4000

2000



-60

-70

-80-

0.009

## 1.36. LTE Transmitter Spurious Emissions(NTNV)(Subtest:36, Channel:20375, Bandwidth:5, Modulation:Q16, 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	-49.79	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.6	-13	Pass	2985
30	1000	0.1	RMS	927.393	-60.82	-13	Pass	9700
1000	1700	1	RMS	1626.896	-51.36	-13	Pass	700
1700	1765	1	RMS	1754.6	21.39	60	Pass	601
1765	3000	1	RMS	2664.729	-47.46	-13	Pass	1235
3000	12000	1	RMS	12000	-50.17	-13	Pass	9000
12000	20000	1	RMS	17745.718	-42.73	-13	Pass	8000
30- 20- 10- 0- -10- (Egg) -30- -40-								

8000

Frequency(MHz)

6000

4000

2000



-50-

-60

-70

-80-

0.009

4000

2000

6000

8000

Frequency(MHz)

# 1.37. LTE Transmitter Spurious Emissions(NTNV)(Subtest:37, Channel:20000, 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	-50.11	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.09	-13	Pass	2985
30	1000	0.1	RMS	927.393	-60.72	-13	Pass	9700
1000	1700	1	RMS	1692.99	-45.12	-13	Pass	700
1700	1765	1	RMS	1710.617	22.56	60	Pass	601
1765	3000	1	RMS	2662.727	-47.39	-13	Pass	1235
3000	12000	1	RMS	11994.999	-50.13	-13	Pass	9000
12000	20000	1	RMS	17739.717	-42.8	-13	Pass	8000
30- 20- 10- 0- -10- (Eg -20-								



-70

-80-

0.009

4000

2000

8000

Frequency(MHz)

6000

## 1.38. LTE Transmitter Spurious Emissions(NTNV)(Subtest:38, Channel:20000, 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	-50.84	-13	Pass	601
0.15	30	0.01	RMS	0.15	-54.28	-13	Pass	298
30	1000	0.1	RMS	965.496	-60.69	-13	Pass	970
1000	1700	1	RMS	1700	-51.09	-13	Pass	700
1700	1765	1	RMS	1719.392	22.63	60	Pass	601
1765	3000	1	RMS	2669.733	-47.46	-13	Pass	1235
3000	12000	1	RMS	12000	-50.08	-13	Pass	9000
12000	20000	1	RMS	17744.718	-42.74	-13	Pass	8000
30- 20- 10- 0- -10- (\text{\tin}\text{\tetx{\text{\text{\text{\text{\text{\texi}\text{\text{\text{\texi{\texi{\texi{\texi\texi{\text{\\texi\texi{\text{\texi{\texit\text{\text{\text{\texi{\texi{\texi{\texi{\texi{\texi{\texi{\texi								
-50-					مىسىر	Jan Marke	mulu	_~



-70

-80-

0.009

#### 1.39. LTE Transmitter Spurious Emissions(NTNV)(Subtest:39, Channel:20000, Bandwidth:10, Modulation:Q16, 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	0.15	-53.99	-13	Pass	298
30	1000	0.1	RMS	910.691	-60.58	-13	Pass	970
1000	1700	1	RMS	1692.99	-45.77	-13	Pass	700
1700	1765	1	RMS	1710.617	21.64	60	Pass	60
1765	3000	1	RMS	2664.729	-47.47	-13	Pass	1235
3000	12000	1	RMS	11985.998	-50.18	-13	Pass	9000
12000	20000	1	RMS	17740.718	-42.67	-13	Pass	8000
30- 20- 10- 0- -10- -20-								
-50-						L. Phage Land		_~

8000

Frequency(MHz)

6000

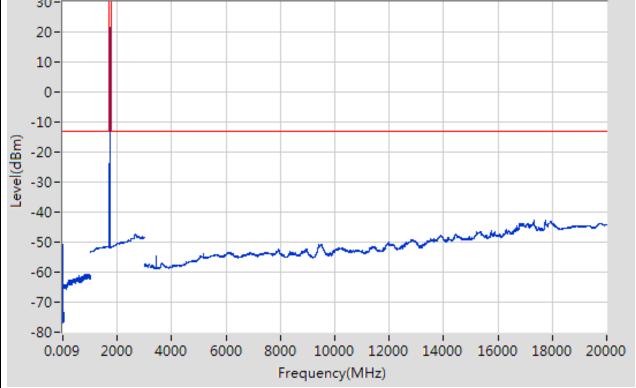
4000

2000



# 1.40. LTE Transmitter Spurious Emissions(NTNV)(Subtest:40, Channel:20000, Bandwidth:10, Modulation:Q16, 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	-50.94	-13	Pass	601
0.15	30	0.01	RMS	0.15	-54.51	-13	Pass	2985
30	1000	0.1	RMS	942.794	-60.66	-13	Pass	9700
1000	1700	1	RMS	1700	-51.04	-13	Pass	700
1700	1765	1	RMS	1719.392	21.42	60	Pass	601
1765	3000	1	RMS	2667.731	-47.45	-13	Pass	1235
3000	12000	1	RMS	12000	-50.1	-13	Pass	9000
12000	20000	1	RMS	17740.718	-42.66	-13	Pass	8000
30- 20- 10- 0-								





-50-

-60

-70

-80-

0.009

4000

2000

6000

8000

Frequency(MHz)

# 1.41. LTE Transmitter Spurious Emissions(NTNV)(Subtest:41, Channel:20175, 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	-51.17	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.64	-13	Pass	2985
30	1000	0.1	RMS	599.959	-60.67	-13	Pass	9700
1000	1700	1	RMS	1625.894	-51.33	-13	Pass	700
1700	1765	1	RMS	1728.058	22.71	60	Pass	601
1765	3000	1	RMS	2668.732	-47.42	-13	Pass	1235
3000	12000	1	RMS	11999	-50.1	-13	Pass	9000
12000	20000	1	RMS	17741.718	-42.74	-13	Pass	8000
30- 20- 10- 0- -10- (MB) -20-								



-40

-50-

-60

-70

-80-

0.009

4000

2000

6000

## 1.42. LTE Transmitter Spurious Emissions(NTNV)(Subtest:42, Channel:20175, 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	-51.06	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.42	-13	Pass	2985
30	1000	0.1	RMS	945.094	-60.77	-13	Pass	9700
1000	1700	1	RMS	1645.923	-51.37	-13	Pass	700
1700	1765	1	RMS	1736.942	22.44	60	Pass	601
1765	3000	1	RMS	2667.731	-47.47	-13	Pass	1235
3000	12000	1	RMS	12000	-50.18	-13	Pass	9000
12000	20000	1	RMS	17744.718	-42.79	-13	Pass	8000
30 - 20 - 10 - 0 - -10 -								



-60-

-70

-80-

0.009

4000

2000

6000

8000

Frequency(MHz)

## 1.43. LTE Transmitter Spurious Emissions(NTNV)(Subtest:43, Channel:20175, Bandwidth:10, Modulation:Q16, 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	-51.43	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.17	-13	Pass	2985
30	1000	0.1	RMS	944.994	-60.74	-13	Pass	9700
1000	1700	1	RMS	1639.914	-51.37	-13	Pass	700
1700	1765	1	RMS	1728.058	21.62	60	Pass	601
1765	3000	1	RMS	2667.731	-47.41	-13	Pass	1235
3000	12000	1	RMS	11998	-50.18	-13	Pass	9000
12000	20000	1	RMS	17739.717	-42.65	-13	Pass	8000
30- 20- 10- 0- -10- (\(\text{\text{BB}}\))\(\text{\text{P}}\)								



# 1.44. LTE Transmitter Spurious Emissions(NTNV)(Subtest:44, Channel:20175, Bandwidth:10, Modulation:Q16, 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	-51.84	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.45	-13	Pass	2985
30	1000	0.1	RMS	938.894	-60.63	-13	Pass	9700
1000	1700	1	RMS	1636.91	-51.36	-13	Pass	700
1700	1765	1	RMS	1736.942	21.59	60	Pass	601
1765	3000	1	RMS	2666.73	-47.46	-13	Pass	1235
3000	12000	1	RMS	11991.999	-50.19	-13	Pass	9000
12000	20000	1	RMS	17742.718	-42.72	-13	Pass	8000
30- 20- 10- 0- -10-								



-50-

-60

-70

-80-¦ 0.009

2000

4000

6000

8000

Frequency(MHz)

## 1.45. LTE Transmitter Spurious Emissions(NTNV)(Subtest:45, Channel:20350, 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	-51.79	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.94	-13	Pass	2985
30	1000	0.1	RMS	927.293	-60.7	-13	Pass	9700
1000	1700	1	RMS	1623.891	-51.36	-13	Pass	700
1700	1765	1	RMS	1745.608	22.52	60	Pass	601
1765	3000	1	RMS	2663.728	-47.45	-13	Pass	1235
3000	12000	1	RMS	11998	-50.14	-13	Pass	9000
12000	20000	1	RMS	17739.717	-42.74	-13	Pass	8000
30- 20- 10- 0- -10- (MB) -20-								



-50-

-60

-70

-80-

0.009

4000

2000

6000

8000

Frequency(MHz)

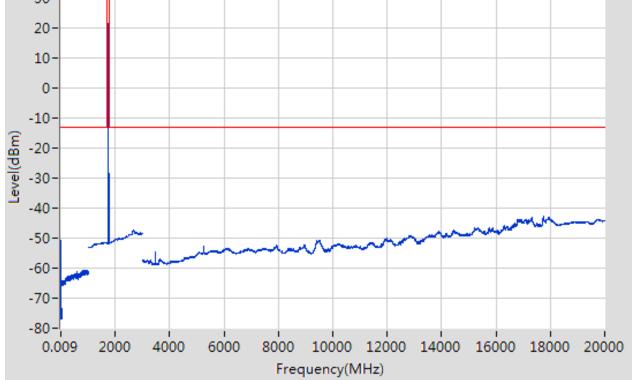
## 1.46. LTE Transmitter Spurious Emissions(NTNV)(Subtest:46, Channel:20350, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

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	-51.73	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.65	-13	Pass	2985
30	1000	0.1	RMS	930.093	-60.67	-13	Pass	9700
1000	1700	1	RMS	1626.896	-51.38	-13	Pass	700
1700	1765	1	RMS	1754.383	22.59	60	Pass	601
1765	3000	1	RMS	1772.006	-47.35	-13	Pass	1235
3000	12000	1	RMS	11992.999	-50.17	-13	Pass	9000
12000	20000	1	RMS	17743.718	-42.79	-13	Pass	8000
30- 20- 10- 0- -10- (Eg -20- 9) -30-								



## 1.47. LTE Transmitter Spurious Emissions(NTNV)(Subtest:47, Channel:20350, Bandwidth:10, Modulation:Q16, 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	-50.81	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.17	-13	Pass	2985
30	1000	0.1	RMS	940.394	-60.73	-13	Pass	9700
1000	1700	1	RMS	1639.914	-51.38	-13	Pass	700
1700	1765	1	RMS	1745.608	21.35	60	Pass	601
1765	3000	1	RMS	2667.731	-47.45	-13	Pass	1235
3000	12000	1	RMS	12000	-50.14	-13	Pass	9000
12000	20000	1	RMS	17741.718	-42.76	-13	Pass	8000
30- 20- 10- 0- -10-								





## 1.48. LTE Transmitter Spurious Emissions(NTNV)(Subtest:48, Channel:20350, Bandwidth:10, Modulation:Q16, 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	-50.74	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.64	-13	Pass	2985
30	1000	0.1	RMS	902.39	-60.79	-13	Pass	9700
1000	1700	1	RMS	1622.89	-51.36	-13	Pass	700
1700	1765	1	RMS	1754.383	21.39	60	Pass	601
1765	3000	1	RMS	2669.733	-47.43	-13	Pass	1235
3000	12000	1	RMS	12000	-50.14	-13	Pass	9000
12000	20000	1	RMS	17739.717	-42.74	-13	Pass	8000
30- 20- 10- 0- -10-								



-50-

-60

-70

-80-

0.009

# 1.49. LTE Transmitter Spurious Emissions(NTNV)(Subtest:49, Channel:20025, 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	-51.05	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.11	-13	Pass	2985
30	1000	0.1	RMS	919.592	-60.69	-13	Pass	9700
1000	1700	1	RMS	1697.997	-43.89	-13	Pass	700
1700	1765	1	RMS	1710.833	22.4	60	Pass	601
1765	3000	1	RMS	2669.733	-47.48	-13	Pass	1235
3000	12000	1	RMS	12000	-50.11	-13	Pass	9000
12000	20000	1	RMS	17740.718	-42.74	-13	Pass	8000
30- 20- 10- 0- -10- (MB) -20-								

8000

Frequency(MHz)

6000

4000

2000



-60-

-70

-80-

0.009

4000

2000

6000

8000

Frequency(MHz)

## 1.50. LTE Transmitter Spurious Emissions(NTNV)(Subtest:50, Channel:20025, 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	-50.92	-13	Pass	601
0.15	30	0.01	RMS	0.15	-54.11	-13	Pass	2985
30	1000	0.1	RMS	925.292	-60.61	-13	Pass	9700
1000	1700	1	RMS	1697.997	-35.47	-13	Pass	700
1700	1765	1	RMS	1724.158	22.48	60	Pass	601
1765	3000	1	RMS	2665.729	-47.47	-13	Pass	1235
3000	12000	1	RMS	11978.998	-50.16	-13	Pass	9000
12000	20000	1	RMS	17743.718	-42.75	-13	Pass	8000
30- 20- 10- 0- -10- (MB) -20-								



-60-

-70

-80-

0.009

4000

2000

## 1.51. LTE Transmitter Spurious Emissions(NTNV)(Subtest:51, Channel:20025, Bandwidth:15, Modulation:Q16, 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	-51.2	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.6	-13	Pass	2985
30	1000	0.1	RMS	949.195	-60.79	-13	Pass	9700
1000	1700	1	RMS	1697.997	-45.16	-13	Pass	700
1700	1765	1	RMS	1710.833	21.71	60	Pass	601
1765	3000	1	RMS	2666.73	-47.47	-13	Pass	1235
3000	12000	1	RMS	11999	-50.12	-13	Pass	9000
12000	20000	1	RMS	17743.718	-42.79	-13	Pass	8000
30- 20- 10- 0- -10- (\text{QB}\text{30}\text{-30}\text{-30}\text{-50}-								

8000

Frequency(MHz)

6000



## 1.52. LTE Transmitter Spurious Emissions(NTNV)(Subtest:52, Channel:20025, Bandwidth:15, Modulation:Q16, 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	-51.36	-13	Pass	601
0.15	30	0.01	RMS	0.15	-54.83	-13	Pass	2985
30	1000	0.1	RMS	945.394	-60.75	-13	Pass	9700
1000	1700	1	RMS	1697.997	-35.25	-13	Pass	700
1700	1765	1	RMS	1724.158	21.54	60	Pass	601
1765	3000	1	RMS	2667.731	-47.47	-13	Pass	1235
3000	12000	1	RMS	11999	-50.15	-13	Pass	9000
12000	20000	1	RMS	17741.718	-42.72	-13	Pass	8000
30- 20- 10- 0- -10-								



-60-

-70

-80-

0.009

## 1.53. LTE Transmitter Spurious Emissions(NTNV)(Subtest:53, Channel:20175, 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	-51.45	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.33	-13	Pass	2985
30	1000	0.1	RMS	925.692	-60.76	-13	Pass	9700
1000	1700	1	RMS	1698.999	-41.97	-13	Pass	700
1700	1765	1	RMS	1725.783	22.58	60	Pass	601
1765	3000	1	RMS	2667.731	-47.47	-13	Pass	1235
3000	12000	1	RMS	11993.999	-50.1	-13	Pass	9000
12000	20000	1	RMS	17743.718	-42.71	-13	Pass	8000
30- 20- 10- 0- -10- (MB) -20-								

8000

Frequency(MHz)

6000

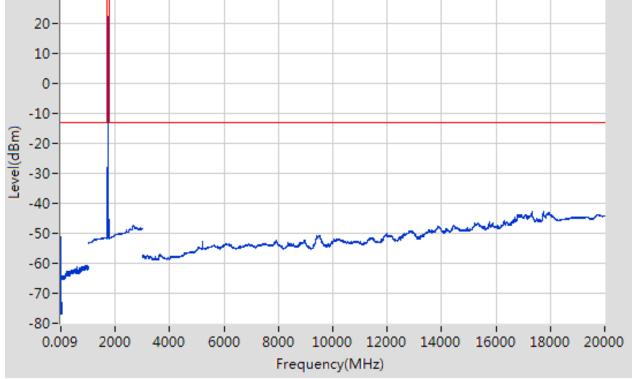
4000

2000



# 1.54. LTE Transmitter Spurious Emissions(NTNV)(Subtest:54, Channel:20175, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

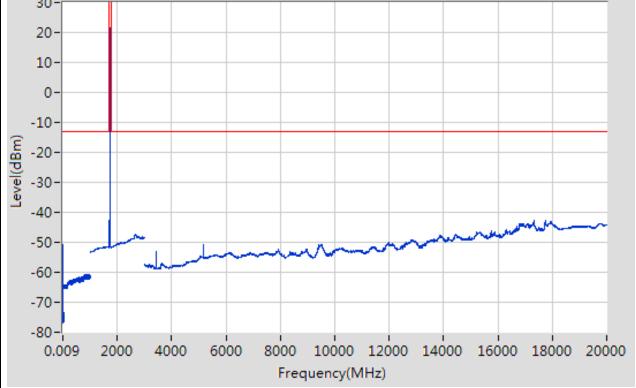
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-51.28	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.28	-13	Pass	2985
30	1000	0.1	RMS	941.594	-60.7	-13	Pass	9700
1000	1700	1	RMS	1640.916	-51.39	-13	Pass	700
1700	1765	1	RMS	1739.108	22.33	60	Pass	601
1765	3000	1	RMS	1766.001	-45.36	-13	Pass	1235
3000	12000	1	RMS	11993.999	-50.16	-13	Pass	9000
12000	20000	1	RMS	17746.718	-42.71	-13	Pass	8000
30- 20- 10- 0-								





## 1.55. LTE Transmitter Spurious Emissions(NTNV)(Subtest:55, Channel:20175, Bandwidth:15, Modulation:Q16, RB Number: 1, RB Position:LOW)

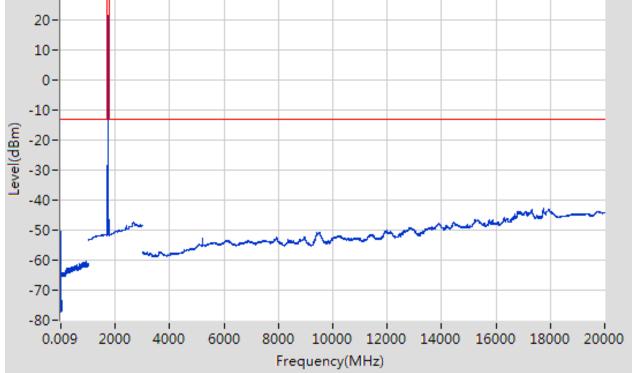
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-50.85	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.9	-13	Pass	2985
30	1000	0.1	RMS	828.282	-60.71	-13	Pass	9700
1000	1700	1	RMS	1698.999	-43.27	-13	Pass	700
1700	1765	1	RMS	1725.892	21.44	60	Pass	601
1765	3000	1	RMS	2668.732	-47.49	-13	Pass	1235
3000	12000	1	RMS	11999	-50.16	-13	Pass	9000
12000	20000	1	RMS	17745.718	-42.75	-13	Pass	8000
30- 20- 10- 0-								





## 1.56. LTE Transmitter Spurious Emissions(NTNV)(Subtest:56, Channel:20175, Bandwidth:15, Modulation:Q16, 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	-50.23	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.05	-13	Pass	2985
30	1000	0.1	RMS	923.292	-60.53	-13	Pass	9700
1000	1700	1	RMS	1634.907	-51.38	-13	Pass	700
1700	1765	1	RMS	1739.108	21.48	60	Pass	601
1765	3000	1	RMS	1766.001	-46.62	-13	Pass	1235
3000	12000	1	RMS	11997	-50.14	-13	Pass	9000
12000	20000	1	RMS	17747.718	-42.76	-13	Pass	8000
30 - 20 - 10 - 0 -								





-50-

-60

-70

-80-

0.009

4000

2000

6000

8000

Frequency(MHz)

## 1.57. LTE Transmitter Spurious Emissions(NTNV)(Subtest:57, Channel:20325, 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	0.011	-52	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.5	-13	Pass	2985
30	1000	0.1	RMS	931.393	-60.7	-13	Pass	9700
1000	1700	1	RMS	1660.944	-51.37	-13	Pass	700
1700	1765	1	RMS	1740.842	22.53	60	Pass	601
1765	3000	1	RMS	1767.002	-31.33	-13	Pass	1235
3000	12000	1	RMS	11994.999	-50.09	-13	Pass	9000
12000	20000	1	RMS	17742.718	-42.73	-13	Pass	8000
30- 20- 10- 0- -10- (Mg) -20-								



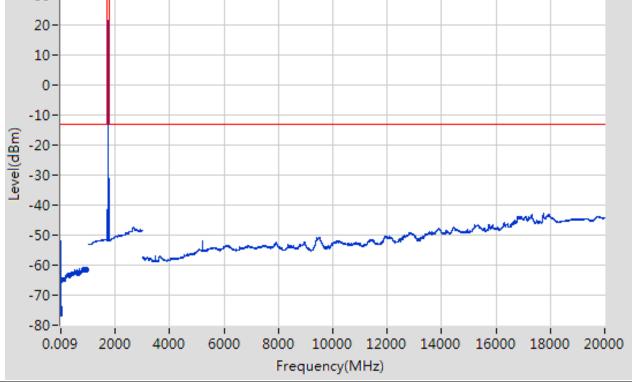
## 1.58. LTE Transmitter Spurious Emissions(NTNV)(Subtest:58, Channel:20325, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

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	-50.59	-13	Pass	601
0.15	30	0.01	RMS	0.15	-52.86	-13	Pass	2985
30	1000	0.1	RMS	824.582	-60.68	-13	Pass	9700
1000	1700	1	RMS	1624.893	-51.37	-13	Pass	700
1700	1765	1	RMS	1754.167	22.36	60	Pass	601
1765	3000	1	RMS	1767.002	-42.3	-13	Pass	1235
3000	12000	1	RMS	11999	-50.18	-13	Pass	9000
12000	20000	1	RMS	17740.718	-42.74	-13	Pass	8000
30- 20- 10- 0- -10-								



#### 1.59. LTE Transmitter Spurious Emissions(NTNV)(Subtest:59, Channel:20325, Bandwidth:15, Modulation:Q16, RB Number: 1, RB Position:LOW)

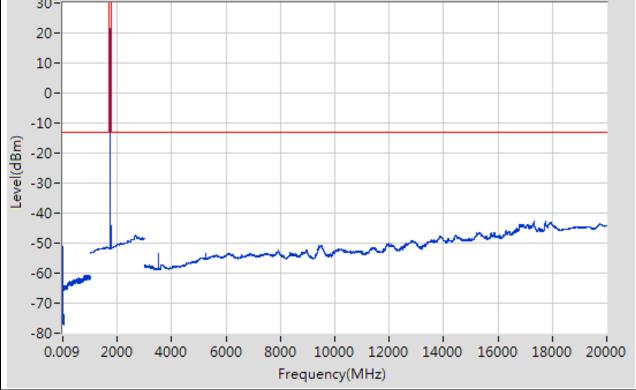
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-51.77	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.99	-13	Pass	2985
30	1000	0.1	RMS	966.997	-60.75	-13	Pass	9700
1000	1700	1	RMS	1640.916	-51.36	-13	Pass	700
1700	1765	1	RMS	1740.842	21.6	60	Pass	601
1765	3000	1	RMS	1767.002	-31.15	-13	Pass	1235
3000	12000	1	RMS	11992.999	-50.2	-13	Pass	9000
12000	20000	1	RMS	17744.718	-42.73	-13	Pass	8000
30- 20- 10- 0-								





# 1.60. LTE Transmitter Spurious Emissions(NTNV)(Subtest:60, Channel:20325, Bandwidth:15, Modulation:Q16, 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	-50.99	-13	Pass	601
0.15	30	0.01	RMS	0.15	-54.03	-13	Pass	2985
30	1000	0.1	RMS	979.198	-60.77	-13	Pass	9700
1000	1700	1	RMS	1617.883	-51.35	-13	Pass	700
1700	1765	1	RMS	1754.167	21.44	60	Pass	601
1765	3000	1	RMS	1768.002	-44.29	-13	Pass	1235
3000	12000	1	RMS	11983.998	-50.17	-13	Pass	9000
12000	20000	1	RMS	17744.718	-42.74	-13	Pass	8000
30- 20- 10- 0-								





-70

-80-

0.009

## 1.61. LTE Transmitter Spurious Emissions(NTNV)(Subtest:61, Channel:20050, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)

0.15         30         0.01         RMS         0.15         -53.73         -13         Pass         298           30         1000         0.1         RMS         964.896         -60.74         -13         Pass         970           1000         1700         1         RMS         1692.99         -45.53         -13         Pass         70           1700         1765         1         RMS         1711.05         22.24         60         Pass         60           1765         3000         1         RMS         2669.733         -47.49         -13         Pass         123           3000         12000         1         RMS         11983.998         -50.15         -13         Pass         900           12000         20000         1         RMS         17741.718         -42.76         -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	-51.42	-13	Pass	601
1000 1700 1 RMS 1692.99 -45.53 -13 Pass 70 1700 1765 1 RMS 1711.05 22.24 60 Pass 60 1765 3000 1 RMS 2669.733 -47.49 -13 Pass 123 3000 12000 1 RMS 11983.998 -50.15 -13 Pass 900 12000 20000 1 RMS 17741.718 -42.76 -13 Pass 800	0.15	30	0.01	RMS	0.15	-53.73	-13	Pass	2985
1700 1765 1 RMS 1711.05 22.24 60 Pass 60 1765 3000 1 RMS 2669.733 -47.49 -13 Pass 123 3000 12000 1 RMS 11983.998 -50.15 -13 Pass 900 12000 20000 1 RMS 17741.718 -42.76 -13 Pass 800	30	1000	0.1	RMS	964.896	-60.74	-13	Pass	9700
1765 3000 1 RMS 2669.733 -47.49 -13 Pass 123 3000 12000 1 RMS 11983.998 -50.15 -13 Pass 900 12000 20000 1 RMS 17741.718 -42.76 -13 Pass 800	1000	1700	1	RMS	1692.99	-45.53	-13	Pass	700
3000 12000 1 RMS 11983.998 -50.15 -13 Pass 900 12000 20000 1 RMS 17741.718 -42.76 -13 Pass 800	1700	1765	1	RMS	1711.05	22.24	60	Pass	601
12000 20000 1 RMS 17741.718 -42.76 -13 Pass 800	1765	3000	1	RMS	2669.733	-47.49	-13	Pass	1235
30- 20- 10- 0- -10-	3000	12000	1	RMS	11983.998	-50.15	-13	Pass	9000
20- 10- 0- -10-	12000	20000	1	RMS	17741.718	-42.76	-13	Pass	8000
-40-	20- 10- 0- -10- -20-								

8000

Frequency(MHz)

6000

4000

2000



## 1.62. LTE Transmitter Spurious Emissions(NTNV)(Subtest:62, Channel:20050, 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	-51.41	-13	Pass	601
0.15	30	0.01	RMS	0.15	-54.09	-13	Pass	2985
30	1000	0.1	RMS	936.793	-60.74	-13	Pass	9700
1000	1700	1	RMS	1692.99	-34.81	-13	Pass	700
1700	1765	1	RMS	1728.925	22.38	60	Pass	601
1765	3000	1	RMS	1765	-44.89	-13	Pass	1235
3000	12000	1	RMS	11981.998	-50.14	-13	Pass	9000
12000	20000	1	RMS	17740.718	-42.68	-13	Pass	8000
30- 20- 10- 0- -10-								



-70

-80-

0.009

4000

6000

2000

8000

Frequency(MHz)

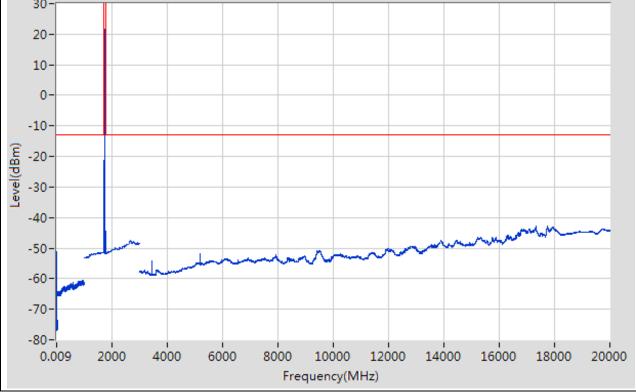
## 1.63. LTE Transmitter Spurious Emissions(NTNV)(Subtest:63, Channel:20050, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)

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	-50.98	-13	Pass	60 <sup>-</sup>
0.15	30	0.01	RMS	0.15	-53.67	-13	Pass	298
30	1000	0.1	RMS	937.194	-60.59	-13	Pass	970
1000	1700	1	RMS	1692.99	-46.78	-13	Pass	70
1700	1765	1	RMS	1711.05	21.6	60	Pass	60
1765	3000	1	RMS	2667.731	-47.47	-13	Pass	123
3000	12000	1	RMS	11998	-50.14	-13	Pass	900
12000	20000	1	RMS	17740.718	-42.72	-13	Pass	800
30- 20- 10- 0- -10- -20-								
-40-								



# 1.64. LTE Transmitter Spurious Emissions(NTNV)(Subtest:64, Channel:20050, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:HIGH)

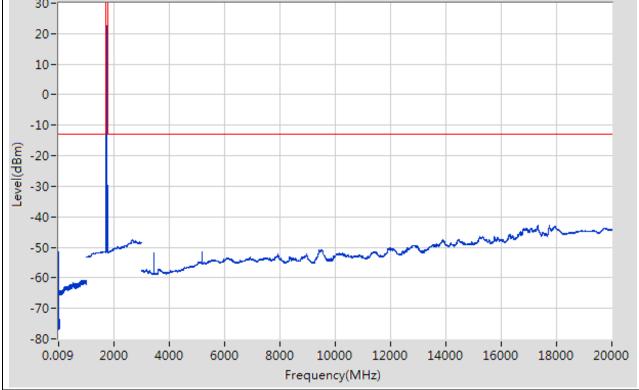
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-51.14	-13	Pass	601
0.15	30	0.01	RMS	0.15	-54.21	-13	Pass	2985
30	1000	0.1	RMS	964.896	-60.63	-13	Pass	9700
1000	1700	1	RMS	1692.99	-34.9	-13	Pass	700
1700	1765	1	RMS	1728.925	21.72	60	Pass	601
1765	3000	1	RMS	1765	-46.42	-13	Pass	1235
3000	12000	1	RMS	12000	-50.09	-13	Pass	9000
12000	20000	1	RMS	17747.718	-42.76	-13	Pass	8000
30 - 20 - 10 -								





## 1.65. LTE Transmitter Spurious Emissions(NTNV)(Subtest:65, Channel:20175, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)

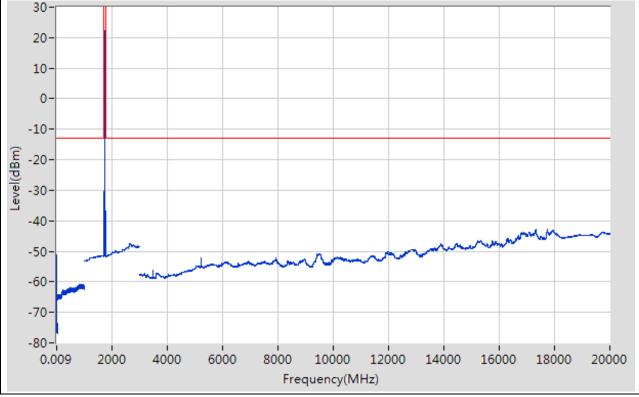
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-51.33	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.76	-13	Pass	2985
30	1000	0.1	RMS	902.99	-60.83	-13	Pass	9700
1000	1700	1	RMS	1687.983	-47.33	-13	Pass	700
1700	1765	1	RMS	1723.617	22.53	60	Pass	601
1765	3000	1	RMS	2667.731	-47.46	-13	Pass	1235
3000	12000	1	RMS	11982.998	-50.15	-13	Pass	9000
12000	20000	1	RMS	17742.718	-42.69	-13	Pass	8000
30 - 20 -								





## 1.66. LTE Transmitter Spurious Emissions(NTNV)(Subtest:66, Channel:20175, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

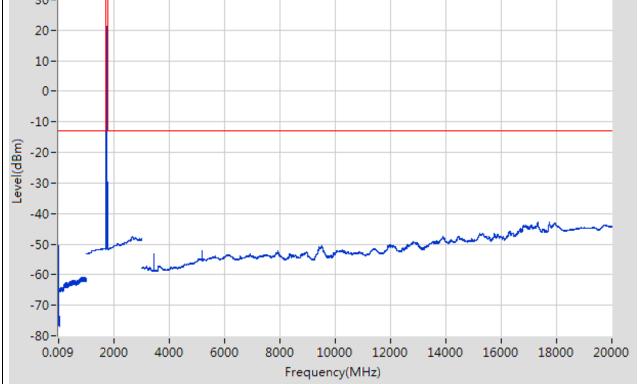
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-51.3	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.89	-13	Pass	2985
30	1000	0.1	RMS	916.991	-60.82	-13	Pass	9700
1000	1700	1	RMS	1635.908	-51.36	-13	Pass	700
1700	1765	1	RMS	1741.383	22.15	60	Pass	601
1765	3000	1	RMS	2667.731	-47.47	-13	Pass	1235
3000	12000	1	RMS	11978.998	-50.15	-13	Pass	9000
12000	20000	1	RMS	17741.718	-42.69	-13	Pass	8000
30-								





## 1.67. LTE Transmitter Spurious Emissions(NTNV)(Subtest:67, Channel:20175, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)

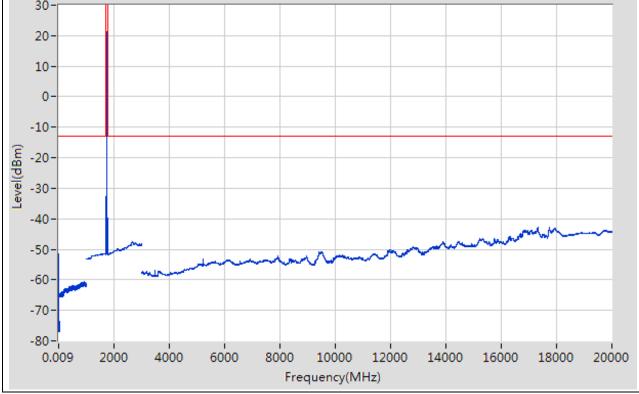
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-50.45	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.84	-13	Pass	2985
30	1000	0.1	RMS	936.493	-60.76	-13	Pass	9700
1000	1700	1	RMS	1687.983	-48.64	-13	Pass	700
1700	1765	1	RMS	1723.617	21.43	60	Pass	601
1765	3000	1	RMS	2666.73	-47.5	-13	Pass	1235
3000	12000	1	RMS	11994.999	-50.14	-13	Pass	9000
12000	20000	1	RMS	17741.718	-42.73	-13	Pass	8000
20-								





#### 1.68. LTE Transmitter Spurious Emissions(NTNV)(Subtest:68, Channel:20175, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:HIGH)

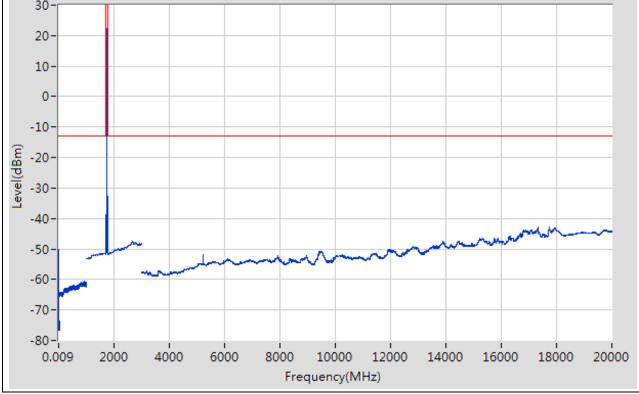
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.011	-51.6	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.09	-13	Pass	2985
30	1000	0.1	RMS	924.292	-60.67	-13	Pass	9700
1000	1700	1	RMS	1639.914	-51.37	-13	Pass	700
1700	1765	1	RMS	1741.383	21.2	60	Pass	601
1765	3000	1	RMS	2669.733	-47.48	-13	Pass	1235
3000	12000	1	RMS	11997	-50.11	-13	Pass	9000
12000	20000	1	RMS	17739.717	-42.76	-13	Pass	8000
30-								





## 1.69. LTE Transmitter Spurious Emissions(NTNV)(Subtest:69, Channel:20300, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)

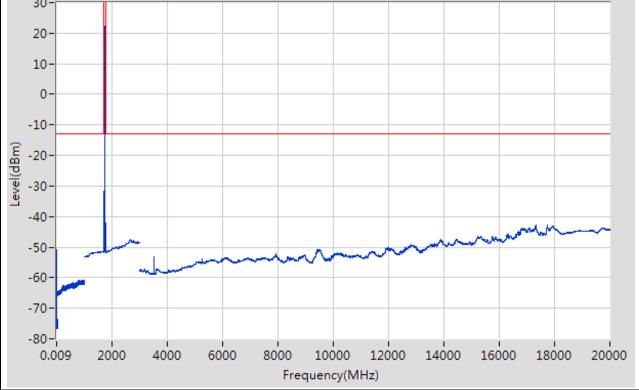
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-50.04	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.07	-13	Pass	2985
30	1000	0.1	RMS	932.493	-60.69	-13	Pass	9700
1000	1700	1	RMS	1700	-44.63	-13	Pass	700
1700	1765	1	RMS	1736.075	22.35	60	Pass	601
1765	3000	1	RMS	1772.006	-32.8	-13	Pass	1235
3000	12000	1	RMS	11979.998	-50.14	-13	Pass	9000
12000	20000	1	RMS	17747.718	-42.7	-13	Pass	8000
30-								





## 1.70. LTE Transmitter Spurious Emissions(NTNV)(Subtest:70, Channel:20300, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

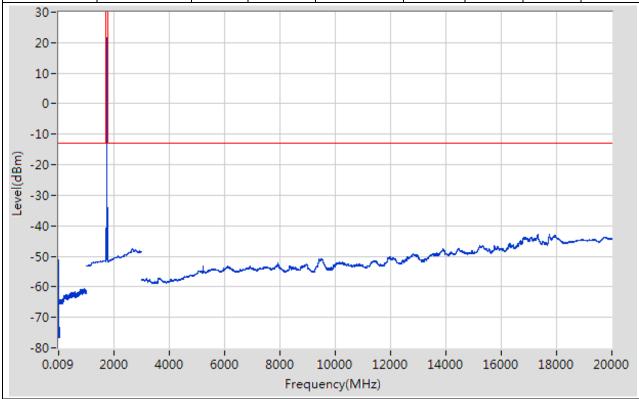
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-50.85	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.85	-13	Pass	2985
30	1000	0.1	RMS	909.391	-60.76	-13	Pass	9700
1000	1700	1	RMS	1617.883	-51.36	-13	Pass	700
1700	1765	1	RMS	1753.95	22.45	60	Pass	601
1765	3000	1	RMS	1772.006	-42.23	-13	Pass	1235
3000	12000	1	RMS	12000	-50.13	-13	Pass	9000
12000	20000	1	RMS	17740.718	-42.8	-13	Pass	8000
30 - 20 - 10 -								





#### 1.71. LTE Transmitter Spurious Emissions(NTNV)(Subtest:71, Channel:20300, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)

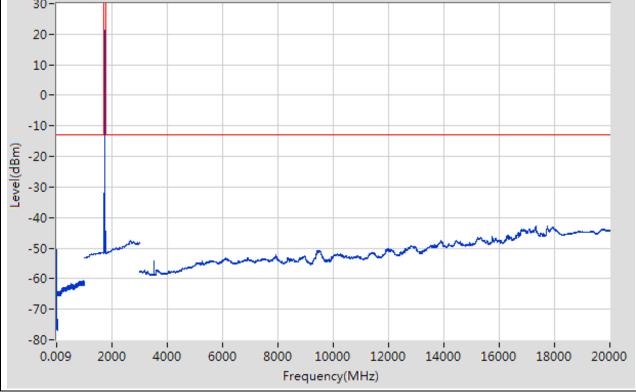
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-51.28	-13	Pass	601
0.15	30	0.01	RMS	0.15	-53.09	-13	Pass	2985
30	1000	0.1	RMS	930.293	-60.66	-13	Pass	9700
1000	1700	1	RMS	1700	-46.2	-13	Pass	700
1700	1765	1	RMS	1736.075	21.58	60	Pass	601
1765	3000	1	RMS	1772.006	-34.18	-13	Pass	1235
3000	12000	1	RMS	12000	-50.12	-13	Pass	9000
12000	20000	1	RMS	17741.718	-42.74	-13	Pass	8000
30-								





# 1.72. LTE Transmitter Spurious Emissions(NTNV)(Subtest:72, Channel:20300, Bandwidth:20, Modulation:Q16, 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	-50.45	-13	Pass	601
0.15	30	0.01	RMS	0.15	-54.09	-13	Pass	2985
30	1000	0.1	RMS	945.894	-60.68	-13	Pass	9700
1000	1700	1	RMS	1625.894	-51.38	-13	Pass	700
1700	1765	1	RMS	1753.842	21.43	60	Pass	601
1765	3000	1	RMS	1772.006	-44.46	-13	Pass	1235
3000	12000	1	RMS	11994.999	-50.11	-13	Pass	9000
12000	20000	1	RMS	17744.718	-42.77	-13	Pass	8000
30- 20- 10-								





END