

Annex C. LTE Transmitter Spurious Emissions



5000

2500

0.009

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1. LTE_Band41

1.1. LTE Transmitter Spurious Emissions(NTNV)(Subtest:1, Channel:39675, 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	-52.26	-25	Pass	601
0.15	30	0.01	RMS	0.16	-51.21	-25	Pass	2985
30	1000	0.1	RMS	908.691	-57.34	-25	Pass	9700
1000	2485	1	RMS	2407.948	-35.49	-25	Pass	1485
2485	2700	1	RMS	2496.467	20.54	60	Pass	601
2700	3000	1	RMS	2700	-45.5	-25	Pass	601
3000	12000	1	RMS	11901.989	-49.56	-25	Pass	9000
12000	27000	1	RMS	26451.963	-32.28	-25	Pass	15000
20- 10- 0- -10- (\(\mathbb{\text{Wg}}\) -30- -40- -50- -60- -70-		· · · · · · · · · · · · · · · · · · ·			Y		~~~~	

Frequency(MHz)



1.2. LTE Transmitter Spurious Emissions(NTNV)(Subtest:2, Channel:39675, 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	-51.57	-25	Pass	601
0.15	30	0.01	RMS	0.15	-50.34	-25	Pass	2985
30	1000	0.1	RMS	904.19	-57.39	-25	Pass	9700
1000	2485	1	RMS	2414.953	-34.53	-25	Pass	1485
2485	2700	1	RMS	2500.767	20.27	60	Pass	601
2700	3000	1	RMS	2700	-45.48	-25	Pass	601
3000	12000	1	RMS	11899.989	-49.52	-25	Pass	9000
12000	27000	1	RMS	26451.963	-32.25	-25	Pass	15000
20- 10- 0- -10- (\overline{\text{W}} -20- -30- -40- -50- -60- -70- -80- 0.009 2	2500 5000	7500	10000 125	500 15000 1 Jency(MHz)	7500 20	000 225	00 2500	0 27000



-60-

-70-

-80-

0.009

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1.3. LTE Transmitter Spurious Emissions(NTNV)(Subtest:3, Channel:39675, 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	-51.11	-25	Pass	601
0.15	30	0.01	RMS	0.15	-50.54	-25	Pass	2985
30	1000	0.1	RMS	910.491	-57.39	-25	Pass	9700
1000	2485	1	RMS	2407.948	-36.46	-25	Pass	1485
2485	2700	1	RMS	2496.108	18.9	60	Pass	601
2700	3000	1	RMS	2700	-45.47	-25	Pass	601
3000	12000	1	RMS	11900.989	-49.6	-25	Pass	9000
12000	27000	1	RMS	26454.964	-32.25	-25	Pass	15000
10- 0- -10- -20- -30- -40-					Yuu	,		

Frequency(MHz)



-70-

-80-

0.009

5000

2500

7500

1.4. LTE Transmitter Spurious Emissions(NTNV)(Subtest:4, Channel:39675, 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	-51.28	-25	Pass	601
0.15	30	0.01	RMS	0.15	-50.12	-25	Pass	2985
30	1000	0.1	RMS	902.29	-57.38	-25	Pass	9700
1000	2485	1	RMS	2410.95	-32.14	-25	Pass	1485
2485	2700	1	RMS	2500.408	18.73	60	Pass	601
2700	3000	1	RMS	2701	-45.47	-25	Pass	601
3000	12000	1	RMS	11900.989	-49.58	-25	Pass	9000
12000	27000	1	RMS	26454.964	-32.24	-25	Pass	15000
25- 10- 0- -10- (mg/g) -30- -40- -50-		·····			Yum		~~~	

Frequency(MHz)



1.5. LTE Transmitter Spurious Emissions(NTNV)(Subtest:9, Channel:41565, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)



1.6. LTE Transmitter Spurious Emissions(NTNV)(Subtest:10, Channel:41565, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)



-40-

-50

-60-

-70-

-80-

0.009

5000

2500

7500

1.7. LTE Transmitter Spurious Emissions(NTNV)(Subtest:11, Channel:41565, Bandwidth:5, Modulation:16QAM, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-52	-25	Pass	601
0.15	30	0.01	RMS	0.15	-50.78	-25	Pass	2985
30	1000	0.1	RMS	898.69	-57.47	-25	Pass	9700
1000	2485	1	RMS	2405.947	-41.46	-25	Pass	1485
2485	2700	1	RMS	2685.308	19.52	60	Pass	601
2700	3000	1	RMS	2700	-45.32	-25	Pass	601
3000	12000	1	RMS	11902.989	-49.55	-25	Pass	9000
12000	27000	1	RMS	26449.963	-32.16	-25	Pass	15000
25- 10- 0- -10- -20-								

Frequency(MHz)



-60-

-70-

-80-

0.009

5000

2500

7500

1.8. LTE Transmitter Spurious Emissions(NTNV)(Subtest:12, Channel:41565, Bandwidth:5, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-51.72	-25	Pass	601
0.15	30	0.01	RMS	0.15	-50.79	-25	Pass	2985
30	1000	0.1	RMS	889.889	-57.46	-25	Pass	9700
1000	2485	1	RMS	2413.952	-32.72	-25	Pass	1485
2485	2700	1	RMS	2689.608	19.77	60	Pass	601
2700	3000	1	RMS	2700	-44.82	-25	Pass	601
3000	12000	1	RMS	11899.989	-49.5	-25	Pass	9000
12000	27000	1	RMS	26454.964	-32.14	-25	Pass	15000
25- 10- 0- -10-								
-30- -40-								سمه

Frequency(MHz)



1.9. LTE Transmitter Spurious Emissions(NTNV)(Subtest:13, Channel:39700, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)



-60-

-70-

-80-

0.009

5000

2500

7500

1.10. LTE Transmitter Spurious Emissions(NTNV)(Subtest:14, Channel:39700, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

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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	-51.58	-25	Pass	60
0.15	30	0.01	RMS	0.15	-50.09	-25	Pass	298
30	1000	0.1	RMS	903.39	-57.39	-25	Pass	9700
1000	2485	1	RMS	2412.951	-32.22	-25	Pass	148
2485	2700	1	RMS	2505.425	19.98	60	Pass	601
2700	3000	1	RMS	2700.5	-45.42	-25	Pass	601
3000	12000	1	RMS	11902.989	-49.52	-25	Pass	9000
12000	27000	1	RMS	26461.964	-32.13	-25	Pass	15000
25- - 10- 0- -10- (mg/p) -30-								
<u>-40</u> -					سمہ ۱	\sim	~~~~	

Frequency(MHz)



-60-

-70-

-80-

0.009

5000

2500

7500

1.11. LTE Transmitter Spurious Emissions(NTNV)(Subtest:15, Channel:39700, 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	0.009	-50.24	-25	Pass	601
0.15	30	0.01	RMS	0.15	-50.36	-25	Pass	2985
30	1000	0.1	RMS	931.393	-57.44	-25	Pass	9700
1000	2485	1	RMS	2411.951	-33.72	-25	Pass	1485
2485	2700	1	RMS	2496.467	18.73	60	Pass	601
2700	3000	1	RMS	2701	-45.41	-25	Pass	601
3000	12000	1	RMS	11900.989	-49.5	-25	Pass	9000
12000	27000	1	RMS	26455.964	-32.16	-25	Pass	15000
25 - 10 - 0 - -10 - -20 - -30 -								



-60-

-70-

-80-

0.009

5000

2500

7500

1.12. LTE Transmitter Spurious Emissions(NTNV)(Subtest:16, Channel:39700, Bandwidth:10, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

0.009 0.15 0.001 RMS 0.009 -52.16 -25 Pass 0.15 30 0.01 RMS 0.15 -49.98 -25 Pass 30 1000 0.1 RMS 880.988 -57.47 -25 Pass 1000 2485 1 RMS 2411.951 -33.72 -25 Pass 2485 2700 1 RMS 2505.425 18.95 60 Pass 2700 3000 1 RMS 2700.5 -45.4 -25 Pass 3000 12000 1 RMS 11900.989 -49.53 -25 Pass 12000 27000 1 RMS 26456.964 -32.14 -25 Pass	cy Freque	-	RBW (MHz)	Detector	Freque	•	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30 1000 0.1 RMS 880.988 -57.47 -25 Pass 1000 2485 1 RMS 2411.951 -33.72 -25 Pass 2485 2700 1 RMS 2505.425 18.95 60 Pass 2700 3000 1 RMS 2700.5 -45.4 -25 Pass 3000 12000 1 RMS 11900.989 -49.53 -25 Pass 12000 27000 1 RMS 26456.964 -32.14 -25 Pass)09	0.15	0.001	RMS	(0.009	-52.16	-25	Pass	601
1000 2485 1 RMS 2411.951 -33.72 -25 Pass 2485 2700 1 RMS 2505.425 18.95 60 Pass 2700 3000 1 RMS 2700.5 -45.4 -25 Pass 3000 12000 1 RMS 11900.989 -49.53 -25 Pass 12000 27000 1 RMS 26456.964 -32.14 -25 Pass	.15	30	0.01	RMS		0.15	-49.98	-25	Pass	2985
2485 2700 1 RMS 2505.425 18.95 60 Pass 2700 3000 1 RMS 2700.5 -45.4 -25 Pass 3000 12000 1 RMS 11900.989 -49.53 -25 Pass 12000 27000 1 RMS 26456.964 -32.14 -25 Pass	30	1000	0.1	RMS	880	0.988	-57.47	-25	Pass	9700
2700 3000 1 RMS 2700.5 -45.4 -25 Pass 3000 12000 1 RMS 11900.989 -49.53 -25 Pass 12000 27000 1 RMS 26456.964 -32.14 -25 Pass	000	2485	1	RMS	241 ⁻	1.951	-33.72	-25	Pass	1485
3000 12000 1 RMS 11900.989 -49.53 -25 Pass 12000 27000 1 RMS 26456.964 -32.14 -25 Pass 25- 10- 0-	85	2700	1	RMS	250	5.425	18.95	60	Pass	601
12000 27000 1 RMS 26456.964 -32.14 -25 Pass	'00	3000	1	RMS	2	700.5	-45.4	-25	Pass	601
25- 10- 0-	000 1	2000	1	RMS	11900	0.989	-49.53	-25	Pass	9000
10-	000 2	7000	1	RMS	2645	6.964	-32.14	-25	Pass	15000
(E) -20- (E) -30- -40-						Julia	Yun		~~~~	

Frequency(MHz)



1.13. LTE Transmitter Spurious Emissions(NTNV)(Subtest:21, Channel:41540, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)



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-50-

-60-

-70-

-80-

0.009

5000

2500

7500

1.14. LTE Transmitter Spurious Emissions(NTNV)(Subtest:22, Channel:41540, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

Start Frequency	Stop Frequency	RBW	Detector	Frequency	Power	Limit	Verdict	Sweep
(MHz)	(MHz)	(MHz)		(MHz)	(dBm)	(dBm)	70.00	Point
0.009	0.15	0.001	RMS	0.01	-50.82	-25	Pass	601
0.15	30	0.01	RMS	0.15	-49.76	-25	Pass	2985
30	1000	0.1	RMS	891.689	-57.46	-25	Pass	9700
1000	2485	1	RMS	2418.956	-43.33	-25	Pass	1485
2485	2700	1	RMS	2689.25	19.9	60	Pass	601
2700	3000	1	RMS	2700	-45.22	-25	Pass	601
3000	12000	1	RMS	11899.989	-49.48	-25	Pass	9000
12000	27000	1	RMS	26458.964	-32.15	-25	Pass	15000
10-								
0-								
-10- -20-								

Frequency(MHz)



-60-

-70-

-80-

0.009

5000

2500

7500

1.15. LTE Transmitter Spurious Emissions(NTNV)(Subtest:23, Channel:41540, 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	-51.85	-25	Pass	60 ⁻
0.15	30	0.01	RMS	0.15	-49.76	-25	Pass	298
30	1000	0.1	RMS	906.49	-57.43	-25	Pass	970
1000	2485	1	RMS	2413.952	-32.68	-25	Pass	148
2485	2700	1	RMS	2680.65	19.75	60	Pass	60
2700	3000	1	RMS	2701	-45.35	-25	Pass	60
3000	12000	1	RMS	11898.989	-49.54	-25	Pass	900
12000	27000	1	RMS	26451.963	-32.15	-25	Pass	1500
-10- -10- -20- -30-					Yu			

Frequency(MHz)



-50-

-60-

-70-

-80-

0.009

5000

2500

7500

1.16. LTE Transmitter Spurious Emissions(NTNV)(Subtest:24, Channel:41540, 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	-51.56	-25	Pass	601
0.15	30	0.01	RMS	0.15	-50.44	-25	Pass	2985
30	1000	0.1	RMS	881.188	-57.48	-25	Pass	9700
1000	2485	1	RMS	2416.954	-40.88	-25	Pass	1485
2485	2700	1	RMS	2689.608	19.2	60	Pass	601
2700	3000	1	RMS	2700	-45.24	-25	Pass	601
3000	12000	1	RMS	11901.989	-49.51	-25	Pass	9000
12000	27000	1	RMS	26452.964	-32.16	-25	Pass	15000
25- 10- 0- -10- (mg) -30-								

Frequency(MHz)



-80-

0.009

5000

2500

7500

10000

12500 15000 17500

Frequency(MHz)

1.17. LTE Transmitter Spurious Emissions(NTNV)(Subtest:25, Channel:39725, 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	-51.86	-25	Pass	601
0.15	30	0.01	RMS	0.15	-50.1	-25	Pass	2985
30	1000	0.1	RMS	895.089	-57.25	-25	Pass	9700
1000	2485	1	RMS	2408.949	-33.14	-25	Pass	1485
2485	2700	1	RMS	2496.825	19.91	60	Pass	601
2700	3000	1	RMS	2701	-45.37	-25	Pass	601
3000	12000	1	RMS	11897.989	-49.5	-25	Pass	9000
12000	27000	1	RMS	26456.964	-32.16	-25	Pass	15000
10- 0- -10- (wgp) -30- -30- -40- -50- -60-		***************************************			Y			

22500 25000 27000

20000



1.18. LTE Transmitter Spurious Emissions(NTNV)(Subtest:26, Channel:39725, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:HIGH)



-70-

-80-

0.009

5000

2500

7500

1.19. LTE Transmitter Spurious Emissions(NTNV)(Subtest:27, Channel:39725, 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	0.01	-52.35	-25	Pass	601
0.15	30	0.01	RMS	0.15	-50.54	-25	Pass	2985
30	1000	0.1	RMS	893.589	-57.4	-25	Pass	9700
1000	2485	1	RMS	2417.955	-40.5	-25	Pass	1485
2485	2700	1	RMS	2496.825	19.74	60	Pass	601
2700	3000	1	RMS	2700	-45.4	-25	Pass	601
3000	12000	1	RMS	11895.988	-49.55	-25	Pass	9000
12000	27000	1	RMS	26453.964	-32.13	-25	Pass	15000
10- 0- -10- ((mgp) -30- -30- -40- -50-		~~~~~	Anna anna anna anna anna anna anna anna		Yu			

10000 12500 15000 17500 20000

Frequency(MHz)

22500 25000 27000



-50-

-60-

-70-

-80-

0.009

5000

2500

7500

1.20. LTE Transmitter Spurious Emissions(NTNV)(Subtest:28, Channel:39725, 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	0.011	-52.5	-25	Pass	601
0.15	30	0.01	RMS	0.15	-50.13	-25	Pass	2985
30	1000	0.1	RMS	918.792	-57.38	-25	Pass	9700
1000	2485	1	RMS	2415.954	-35.08	-25	Pass	1485
2485	2700	1	RMS	2510.083	19.61	60	Pass	601
2700	3000	1	RMS	2700.5	-45.38	-25	Pass	601
3000	12000	1	RMS	11899.989	-49.51	-25	Pass	9000
12000	27000	1	RMS	26458.964	-32.17	-25	Pass	15000
25- 10- 0- -10- (\(\text{gp}\) -30-								

Frequency(MHz)



1.21. LTE Transmitter Spurious Emissions(NTNV)(Subtest:33, Channel:41515, 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	-51.31	-25	Pass	601
0.15	30	0.01	RMS	0.15	-50.95	-25	Pass	2985
30	1000	0.1	RMS	993.399	-57.39	-25	Pass	9700
1000	2485	1	RMS	2416.954	-36.51	-25	Pass	1485
2485	2700	1	RMS	2675.992	21.04	60	Pass	601
2700	3000	1	RMS	2702.5	-42.63	-25	Pass	601
3000	12000	1	RMS	11900.989	-49.42	-25	Pass	9000
12000	27000	1	RMS	26450.963	-32.12	-25	Pass	15000
20- 10- 0- -10- (\(\text{Wgp}\)] -30- -40- -50- -60- -70- -80-	2500 5000	7500	10000 135		Y			0.37000
0.009	2500 5000	7500	10000 125 Frequ	500 15000 1 uency(MHz)	17500 20	000 225	00 2500	0 27000



1.22. LTE Transmitter Spurious Emissions(NTNV)(Subtest:34, Channel:41515, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:HIGH)



-50-

-60

-70-

-80-

0.009

5000

2500

7500

1.23. LTE Transmitter Spurious Emissions(NTNV)(Subtest:35, Channel:41515, 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	0.01	-51.72	-25	Pass	601
0.15	30	0.01	RMS	0.15	-50.3	-25	Pass	2985
30	1000	0.1	RMS	914.591	-57.35	-25	Pass	9700
1000	2485	1	RMS	2410.95	-31.62	-25	Pass	1485
2485	2700	1	RMS	2675.992	19.46	60	Pass	601
2700	3000	1	RMS	2702.5	-43.19	-25	Pass	601
3000	12000	1	RMS	11902.989	-49.51	-25	Pass	9000
12000	27000	1	RMS	26453.964	-32.11	-25	Pass	15000
25 - 10 - 0 - -10 - E -20 - D -30 -					*\uniteraction \text{\tinx{\text{\tin}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tex{\tex			

Frequency(MHz)



-60-

-70-

-80-

0.009

5000

2500

7500

1.24. LTE Transmitter Spurious Emissions(NTNV)(Subtest:36, Channel:41515, 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	0.011	-51.75	-25	Pass	601
0.15	30	0.01	RMS	0.15	-49.82	-25	Pass	2985
30	1000	0.1	RMS	995.3	-57.35	-25	Pass	9700
1000	2485	1	RMS	2411.951	-33.82	-25	Pass	1485
2485	2700	1	RMS	2689.25	19.56	60	Pass	601
2700	3000	1	RMS	2702.5	-40.09	-25	Pass	601
3000	12000	1	RMS	11901.989	-49.52	-25	Pass	9000
12000	27000	1	RMS	26448.963	-32.18	-25	Pass	15000
25- 10- 0- -10- (Egg) -30-					Yu		~~~~	

Frequency(MHz)



1.25. LTE Transmitter Spurious Emissions(NTNV)(Subtest:37, Channel:39750, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Start Frequenc (MHz)	y	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.0	9	0.15	0.001	RMS	0.0	1 -52.01	-25	Pass	601
0.	15	30	0.01	RMS	0.1	5 -50.52	-25	Pass	2985
;	30	1000	0.1	RMS	922.992	2 -57.44	-25	Pass	9700
100	00	2485	1	RMS	2415.95	4 -35.47	-25	Pass	1485
24	35	2700	1	RMS	2496.82	5 20.3	60	Pass	601
270	00	3000	1	RMS	2700.	-45.35	-25	Pass	601
300	00	12000	1	RMS	11899.989	-49.42	-25	Pass	9000
30-	00	27000	1	RMS	26451.963	3 -32.11	-25	Pass	15000
20- 10- 0- -10- ([wgp] -20- -30- -40- -50- -60- -70- -80- 0.009	25	00 5000	7500	10000 125	500 15000	17500 20	0000 225		0 27000
				Frequ	uency(MHz)				



1.26. LTE Transmitter Spurious Emissions(NTNV)(Subtest:38, Channel:39750, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

0.009 0.15 30 1000 2485 2700 3000 12000	0.15 30 1000 2485 2700 3000 12000 27000	0.001 0.01 0.1 1 1 1 1	RMS RMS RMS RMS RMS RMS RMS RMS	0.01 0.15 930.993 2410.95 2515.1 2701.5 11901.989	-51.61 -50.6 -57.47 -31.66 20.44 -45.34	-25 -25 -25 -25 -25 -25	Pass Pass Pass Pass Pass Pass	601 2985 9700 1485 601
30 1000 2485 2700 3000 12000	1000 2485 2700 3000 12000	0.1 1 1 1	RMS RMS RMS RMS RMS	930.993 2410.95 2515.1 2701.5	-57.47 -31.66 20.44 -45.34	-25 -25 60	Pass Pass Pass	9700 1485 601
1000 2485 2700 3000 12000	2485 2700 3000 12000	1 1 1	RMS RMS RMS RMS	2410.95 2515.1 2701.5	-31.66 20.44 -45.34	-25 60	Pass Pass	1485 601
2485 2700 3000 12000	2700 3000 12000	1 1 1	RMS RMS RMS	2515.1 2701.5	20.44	60	Pass	601
2700 3000 12000	3000 12000	1	RMS RMS	2701.5	-45.34			
3000 12000	12000	1	RMS			-25	Dacc	
12000				11901.989			газэ	601
	27000	1			-49.46	-25	Pass	9000
30-			RMS	26452.964	-32.11	-25	Pass	15000
20- 10- 0- -10- (Egp) -30- -40- -50- -60- -70- -80- 0.009 25	500 5000	7500	10000 125	500 15000 1 Jency(MHz)	7500 20	000 225	00 2500	0 27000



-40-

-50-

-60-

-70-

-80-

0.009

5000

2500

7500

1.27. LTE Transmitter Spurious Emissions(NTNV)(Subtest:39, Channel:39750, Bandwidth:20, Modulation:16QAM, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-51.82	-25	Pass	601
0.15	30	0.01	RMS	0.15	-49.95	-25	Pass	2985
30	1000	0.1	RMS	882.688	-57.45	-25	Pass	9700
1000	2485	1	RMS	2405.947	-41.12	-25	Pass	1485
2485	2700	1	RMS	2497.183	19.48	60	Pass	601
2700	3000	1	RMS	2700	-45.38	-25	Pass	601
3000	12000	1	RMS	11903.989	-49.51	-25	Pass	9000
12000	27000	1	RMS	26462.964	-32.16	-25	Pass	15000
25- 10- 0- -10- (mg -20-								

Frequency(MHz)



-70-

-80-

0.009

5000

2500

7500

1.28. LTE Transmitter Spurious Emissions(NTNV)(Subtest:40, Channel:39750, Bandwidth:20, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

0.009 0.15 0.001 RMS 0.01 -51.33 0.15 30 0.01 RMS 0.15 -50.52 30 1000 0.1 RMS 898.29 -57.47 1000 2485 1 RMS 2406.947 -38.02 2485 2700 1 RMS 2515.1 19.21 2700 3000 1 RMS 2700 -45.38 3000 12000 1 RMS 11904.989 -49.52 12000 27000 1 RMS 26454.964 -32.18	RB\ (MH		Detector	•	•	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	0.0	01	RMS		0.01	-51.33	-25	Pass	60
1000 2485 1 RMS 2406.947 -38.02 2485 2700 1 RMS 2515.1 19.21 2700 3000 1 RMS 2700 -45.38 3000 12000 1 RMS 11904.989 -49.52 12000 27000 1 RMS 26454.964 -32.18	0.	01	RMS		0.15	-50.52	-25	Pass	298
2485 2700 1 RMS 2515.1 19.21 2700 3000 1 RMS 2700 -45.38 3000 12000 1 RMS 11904.989 -49.52 12000 27000 1 RMS 26454.964 -32.18	C	0.1	RMS	89	98.29	-57.47	-25	Pass	970
2700 3000 1 RMS 2700 -45.38 3000 12000 1 RMS 11904.989 -49.52 12000 27000 1 RMS 26454.964 -32.18		1	RMS	240	6.947	-38.02	-25	Pass	148
3000 12000 1 RMS 11904.989 -49.52 12000 27000 1 RMS 26454.964 -32.18		1	RMS	2	515.1	19.21	60	Pass	60
12000 27000 1 RMS 26454.964 -32.18 25		1	RMS		2700	-45.38	-25	Pass	60
25- 10- 0- -10-		1	RMS	11904	4.989	-49.52	-25	Pass	900
10-		1	RMS	26454	4.964	-32.18	-25	Pass	1500
-30-									
		0.0 0.0	0.001 0.01 0.1 1 1 1	(MHz) Detector 0.001 RMS 0.01 RMS 0.1 RMS 1 RMS 1 RMS 1 RMS 1 RMS 1 RMS	(MHz) Detector (MH 0.001 RMS 0.01 RMS 0.1 RMS 1 RMS 1 RMS 1 RMS 1 RMS 1 RMS	(MHz) Detector (MHz) 0.001 RMS 0.01 0.01 RMS 0.15 0.1 RMS 898.29 1 RMS 2406.947 1 RMS 2515.1 1 RMS 2700 1 RMS 11904.989	(MHz) Detector (MHz) (dBm) 0.001 RMS 0.01 -51.33 0.01 RMS 0.15 -50.52 0.1 RMS 898.29 -57.47 1 RMS 2406.947 -38.02 1 RMS 2515.1 19.21 1 RMS 2700 -45.38 1 RMS 11904.989 -49.52 1 RMS 26454.964 -32.18	(MHz) Detector (MHz) (dBm) (dBm) 0.001 RMS 0.01 -51.33 -25 0.01 RMS 0.15 -50.52 -25 0.1 RMS 898.29 -57.47 -25 1 RMS 2406.947 -38.02 -25 1 RMS 2515.1 19.21 60 1 RMS 2700 -45.38 -25 1 RMS 11904.989 -49.52 -25	(MHz) Detector (MHz) (dBm) Verdict 0.001 RMS 0.01 -51.33 -25 Pass 0.01 RMS 0.15 -50.52 -25 Pass 0.1 RMS 898.29 -57.47 -25 Pass 1 RMS 2406.947 -38.02 -25 Pass 1 RMS 2515.1 19.21 60 Pass 1 RMS 2700 -45.38 -25 Pass 1 RMS 11904.989 -49.52 -25 Pass 1 RMS 26454.964 -32.18 -25 Pass

Frequency(MHz)



1.29. LTE Transmitter Spurious Emissions(NTNV)(Subtest:45, Channel:41490, 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	-51.63	-25	Pass	601
0.15	30	0.01	RMS	0.15	-50.09	-25	Pass	2985
30	1000	0.1	RMS	880.288	-57.44	-25	Pass	9700
1000	2485	1	RMS	2416.954	-39.4	-25	Pass	1485
2485	2700	1	RMS	2671.333	20.74	60	Pass	601
2700	3000	1	RMS	2707	-42.65	-25	Pass	601
3000	12000	1	RMS	11901.989	-49.55	-25	Pass	9000
12000	27000	1	RMS	26458.964	-32.15	-25	Pass	15000
20- 10- 0- -10- (Egp) -30- -40- -50- -60- -70- -80- 0.009	2500 5000	7500	10000 125	500 15000 1	7500 20	000 225	00 2500	0 27000
0.009	2300 3000	7500		uency(MHz)	.7300 20	000 223	2300	0 2/000



1.30. LTE Transmitter Spurious Emissions(NTNV)(Subtest:46, Channel:41490, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

30 1000 0.1 RMS 897.989 -57.5 -25 Pass 9 1000 2485 1 RMS 2415.954 -35.81 -25 Pass 1 2485 2700 1 RMS 2688.892 20.96 60 Pass 2700 3000 1 RMS 2706.5 -38.59 -25 Pass 3000 12000 1 RMS 11901.989 -49.53 -25 Pass	Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30 1000 0.1 RMS 897.989 -57.5 -25 Pass 9 1000 2485 1 RMS 2415.954 -35.81 -25 Pass 1 2485 2700 1 RMS 2688.892 20.96 60 Pass 2700 3000 1 RMS 2706.5 -38.59 -25 Pass 3000 12000 1 RMS 11901.989 -49.53 -25 Pass 1 12000 27000 1 RMS 26453.964 -32.13 -25 Pass 15 30 20 -10 -50 -60	0.009	0.15	0.001	RMS	0.009	-51.66	-25	Pass	601
1000 2485 1 RMS 2415.954 -35.81 -25 Pass 1 2485 2700 1 RMS 2688.892 20.96 60 Pass 2700 3000 1 RMS 2706.5 -38.59 -25 Pass 3000 12000 1 RMS 11901.989 -49.53 -25 Pass 12000 27000 1 RMS 26453.964 -32.13 -25 Pass 15 30 -20 -20 -20 -30 -30 -30 -30 -30 -30 -30 -30 -30 -3	0.15	30	0.01	RMS	0.15	-50.7	-25	Pass	2985
2485	30	1000	0.1	RMS	897.989	-57.5	-25	Pass	9700
2700 3000 1 RMS 2706.5 -38.59 -25 Pass 3000 12000 1 RMS 11901.989 -49.53 -25 Pass 5 12000 27000 1 RMS 26453.964 -32.13 -25 Pass 15 10 - 20 - 30 - 30 - 30 - 30 - 30 - 30 - 3	1000	2485	1	RMS	2415.954	-35.81	-25	Pass	1485
3000 12000 1 RMS 11901.989 -49.53 -25 Pass 5 12000 27000 1 RMS 26453.964 -32.13 -25 Pass 15 15 10 -	2485	2700	1	RMS	2688.892	20.96	60	Pass	601
12000 27000 1 RMS 26453.964 -32.13 -25 Pass 15	2700	3000	1	RMS	2706.5	-38.59	-25	Pass	601
30- 20- 10- 0- -10- -40- -50- -60-	3000	12000	1	RMS	11901.989	-49.53	-25	Pass	9000
20- 10- 0- -10- E -20- -40- -50- -60-		27000	1	RMS	26453.964	-32.13	-25	Pass	15000
-80- 0.009 2500 5000 7500 10000 12500 15000 17500 20000 22500 25000 270 Frequency(MHz)	10- 0- -10- (Rg -20- -30- -40- -50- -60- -70-		7500				000 225	00 2500	0 27000



-60-

-70-

-80-

0.009

5000

2500

7500

1.31. LTE Transmitter Spurious Emissions(NTNV)(Subtest:47, Channel:41490, Bandwidth:20, Modulation:16QAM, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-51.8	-25	Pass	601
0.15	30	0.01	RMS	0.15	-50.43	-25	Pass	2985
30	1000	0.1	RMS	902.99	-57.43	-25	Pass	9700
1000	2485	1	RMS	2408.949	-33.31	-25	Pass	1485
2485	2700	1	RMS	2670.975	19.6	60	Pass	601
2700	3000	1	RMS	2706.5	-42.77	-25	Pass	601
3000	12000	1	RMS	11898.989	-49.51	-25	Pass	9000
12000	27000	1	RMS	26454.964	-32.15	-25	Pass	15000
-10- 0- -10- -20- 					Y		~~~~	

Frequency(MHz)



-70-

-80-

0.009

5000

2500

7500

1.32. LTE Transmitter Spurious Emissions(NTNV)(Subtest:48, Channel:41490, Bandwidth:20, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

0.009 0.15 30 1000 2485	0.15 30 1000	0.001 0.01	RMS	0.009				Point
30 1000		0.01		0.009	-51.68	-25	Pass	60
1000	1000	0.01	RMS	0.15	-49.96	-25	Pass	298
-		0.1	RMS	913.291	-57.44	-25	Pass	970
2485	2485	1	RMS	2413.952	-31.94	-25	Pass	148
	2700	1	RMS	2688.892	18.83	60	Pass	60
2700	3000	1	RMS	2706.5	-38.83	-25	Pass	60
3000	12000	1	RMS	11900.989	-49.48	-25	Pass	900
12000	27000	1	RMS	26453.964	-32.14	-25	Pass	1500
25 - 10 - 0 - -10 - -20 - -30 -								

Frequency(MHz)



END