

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



#### 1. LTE\_Band7

#### 1.1. LTE Transmitter Spurious Emissions(NTNV)(Subtest:1, Channel:20775, 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	-54.26	-25	Pass	601
0.15	30	0.01	RMS	0.15	5 -52.5	-25	Pass	2985
30	1000	0.1	RMS	907.19	-58.65	-25	Pass	9700
1000	2490	1	RMS	2490		-25	Pass	1490
2490	2580	1	RMS	2500.3	24.63	60	Pass	601
2580	3000	1	RMS	2581.4	4 -44.06	-25	Pass	601
3000	12000	1	RMS	11906.99		-25	Pass	9000
12000	26500	1	RMS	26461.997	-25.98	-25	Pass	14500
20- 10- 0- -10- (mgp)-30- -30- -40- -50- -60- -70- -80- 0.009	2500 5000	7500	10000 12	500 15000	17500 2	20000 22	2500	26500

Frequency(MHz)



#### 1.2. LTE Transmitter Spurious Emissions(NTNV)(Subtest:2, Channel:20775, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

0.009 0.15 30 1000	0.15 30 1000	0.001	RMS	0.000				Point
30		0.01		0.009	-53.26	-25	Pass	601
	1000		RMS	0.15	-51.95	-25	Pass	2985
1000		0.1	RMS	889.089	-58.8	-25	Pass	9700
1000	2490	1	RMS	2486.998	-45.33	-25	Pass	1490
2490	2580	1	RMS	2504.7	24.19	60	Pass	601
2580	3000	1	RMS	2582.1	-44.06	-25	Pass	601
3000	12000	1	RMS	11901.989	-44.51	-25	Pass	9000
12000	26500	1	RMS	26438.996	-26.09	-25	Pass	14500
20- 10- 0- -10- (Mg -20- -30- -40- -50- -60- -70- -80- 0.009 2	2500 5000	7500		500 15000 Jency(MHz)	17500 2	0000 22	500	26500



# 1.3. LTE Transmitter Spurious Emissions(NTNV)(Subtest:3, Channel:20775, 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	-53.59	-25	Pass	601
0.15	30	0.01	RMS	0.15	-52	-25	Pass	2985
30	1000	0.1	RMS	912.691	-58.75	-25	Pass	9700
1000	2490	1	RMS	2490	-45.22	-25	Pass	1490
2490	2580	1	RMS	2500.35	23.75	60	Pass	601
2580	3000	1	RMS	2582.8	-44.08	-25	Pass	601
3000	12000	1	RMS	11904.989	-44.59	-25	Pass	9000
12000	26500	1	RMS	26457.997	-25.98	-25	Pass	14500
20- 10- 0- -10- (\(\mathbb{\text{WgP}}\)] -30- -40- -50- -60- -70- -80- 0.009	2500 5000	7500		500 15000	17500 2	0000 22	2500	26500
			Frequ	uency(MHz)				



# 1.4. LTE Transmitter Spurious Emissions(NTNV)(Subtest:4, Channel:20775, Bandwidth:5, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

0.15 30 1000 2490 2580 3000 12000 26500	0.001 0.01 0.1 1 1 1	RMS RMS RMS RMS RMS RMS	0.01 0.15 939.794 2487.999 2504.7	-54.24 -52.76 -58.72 -45.37 23.31	-25 -25 -25 -25	Pass Pass Pass Pass	601 2985 9700
1000 2490 2580 3000 12000	0.1 1 1 1	RMS RMS RMS	939.794 2487.999 2504.7	-58.72 -45.37	-25 -25	Pass	9700
2490 2580 3000 12000	1 1 1	RMS RMS	2487.999 2504.7	-45.37	-25		
2580 3000 12000	1	RMS	2504.7			Pass	
3000 12000	1			23.31	00		1490
12000		RMS			60	Pass	601
	1		2580	-44.09	-25	Pass	601
26500		RMS	11901.989	-44.62	-25	Pass	9000
	1	RMS	26457.997	-25.97	-25	Pass	14500
2500 5000	7500			17500 2	0000 22	500	26500
			2500 5000 7500 10000 12	2500 5000 7500 10000 12500 15000	2500 5000 7500 10000 12500 15000 17500 2	2500 5000 7500 10000 12500 15000 17500 20000 22	



# 1.5. LTE Transmitter Spurious Emissions(NTNV)(Subtest:5, Channel:21100, 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	-53.5	-25	Pass	601
0.15	30	0.01	RMS	0.15	-52.53	-25	Pass	2985
30	1000	0.1	RMS	998.1	-58.88	-25	Pass	9700
1000	2490	1	RMS	2488.999	-45.44	-25	Pass	1490
2490	2580	1	RMS	2532.9	25.16	60	Pass	601
2580	3000	1	RMS	2582.1	-44.01	-25	Pass	601
3000	12000	1	RMS	11906.99	-44.46	-25	Pass	9000
20- 10- 0- -10- (\text{\text{\text{\$M\$}}}\text{\$P\$}\)-30- -40- -50- -60- -70- -80- 0.009	2500 5000	7500		500 15000 Jency(MHz)	17500 2	00000 22	2500	26500



# 1.6. LTE Transmitter Spurious Emissions(NTNV)(Subtest:7, Channel:21100, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

0.009 0.15 0.15 30 30 1000 1000 2490 2490 2580 2580 3000 3000 12000 12000 26500  30- 20- 10- 010506070-	RBW (MHz)	Start Sto Frequency Freque (MHz) (MH	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30 1000 1000 2490 2490 2580 2580 3000 3000 12000 12000 26500 30	0.001	0.009	RMS	0.009	-54.05	-25	Pass	601
1000 2490 2490 2580 2580 3000 3000 12000 12000 26500  30- 20- 10- 0106060-	0.01	0.15	RMS	0.15	-51.68	-25	Pass	2985
2490 2580 2580 3000 3000 12000 12000 26500 30- 20- 10- 0- -10- -40- -50- -60-	0.1	30	RMS	908.191	-58.76	-25	Pass	9700
2580 3000 3000 12000 12000 26500 30- 20- 10- 0- -10- (Eg -20- -30- -40- -50- -60-	1	1000	RMS	2490	-45.39	-25	Pass	1490
3000 12000 12000 26500 30 - 20 - 10 - 0 - -10 - (Eg -20 - -40 - -50 - -60 -	1	2490	RMS	2537.1	25	60	Pass	601
12000 26500 30 - 20 - 10 - 0 - -10 - (wg -20 - -40 - -50 - -60 -	1		RMS	2581.4	-44	-25	Pass	601
30- 20- 10- 0- -10- (Eg -20- -30- -40- -50- -60-	1		RMS	11908.99	-44.54	-25	Pass	9000
20- 10- 0- -10- (\text{Wg} -20- -30- -40- -50- -60-	1		RMS	26456.997	-26.01	-25	Pass	14500
-80- 0.009 2500 5000	7500	10- 0- -10- -20- -30- -40- -50- -60- -70- -80-	10000 12	500 15000	17500 2	0000 22	500	26500



# 1.7. LTE Transmitter Spurious Emissions(NTNV)(Subtest:8, Channel:21100, 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	-53.54	-25	Pass	601
0.15	30	0.01	RMS	0.15	-51.67	-25	Pass	2985
30	1000	0.1	RMS	913.991	-48.8	-25	Pass	9700
1000	2490	1	RMS	2490	-45.38	-25	Pass	1490
2490	2580	1	RMS	2532.9	24.03	60	Pass	601
2580	3000	1	RMS	2580.7	-44.05	-25	Pass	601
3000	12000	1	RMS	11906.99	-44.64	-25	Pass	9000
12000 30-	26500	1	RMS	26451.997	-26.07	-25	Pass	14500
20- 10- 0- -10- (mg/g)) -30- -40- -50- -60- -70- -80-		Mark Specific						
0.009	2500 5000	7500		500 15000 uency(MHz)	17500 2	0000 22	500	26500



# 1.8. LTE Transmitter Spurious Emissions(NTNV)(Subtest:9, Channel:21100, Bandwidth:5, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

0.009         0.15         0.001         RMS         0.009         -53.21         -25         Pass           0.15         30         0.01         RMS         0.15         -52.51         -25         Pass           30         1000         0.1         RMS         937.594         -58.62         -25         Pass           1000         2490         1         RMS         2487.999         -45.46         -25         Pass           2490         2580         1         RMS         2597.25         24.39         60         Pass           2580         3000         1         RMS         2594.7         -44.06         -25         Pass           3000         12000         1         RMS         11909.99         -44.57         -25         Pass           12000         26500         1         RMS         26468.998         -26         -25         Pass	Star Freque (MH:	ency	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequen (MHz)	_	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	(	0.009	0.15	0.001	RMS	0.0	009	-53.21	-25	Pass	601
1000 2490 1 RMS 2487.999 -45.46 -25 Pass 2490 2580 1 RMS 2537.25 24.39 60 Pass 2580 3000 1 RMS 2594.7 -44.06 -25 Pass 3000 12000 1 RMS 11909.99 -44.57 -25 Pass 12000 26500 1 RMS 26468.998 -26 -25 Pass		0.15	30	0.01	RMS	0	).15	-52.51	-25	Pass	2985
2490		30	1000	0.1	RMS	937.	594	-58.62	-25	Pass	9700
2580 3000 1 RMS 2594.7 -44.06 -25 Pass 3000 12000 1 RMS 11909.99 -44.57 -25 Pass 12000 26500 1 RMS 26468.998 -26 -25 Pass  30 20 - 10 - 0 - 10 - 0 10 - 0 10 - 0 -		1000	2490	1	RMS	2487.9	999	-45.46	-25	Pass	1490
3000 12000 1 RMS 11909.99 -44.57 -25 Pass 12000 26500 1 RMS 26468.998 -26 -25 Pass  30- 20- 10- 0106070-		2490	2580	1	RMS	2537	'.25	24.39	60	Pass	601
12000 26500 1 RMS 26468.998 -26 -25 Pass  30- 20- 10- 010405070-		2580	3000	1	RMS	259	4.7	-44.06	-25	Pass	601
30- 20- 10- 0- -10- -20- -30- -40- -50- -60- -70-		3000	12000	1	RMS	11909	.99	-44.57	-25	Pass	9000
20- 10- 0- -10- (\overline{\text{B}}{\text{B}}\) -20- -30- -40- -50- -60- -70-		12000	26500	1	RMS	26468.9	998	-26	-25	Pass	14500
0.009 2500 5000 7500 10000 12500 15000 17500 20000 22500 Frequency(MHz)	10- 0- -10- (qgm) -30- -40- -50- -60- -70-	009	2500 5000	7500				17500 2	0000 22	500	26500



#### 1.9. LTE Transmitter Spurious Emissions(NTNV)(Subtest:10, Channel:21425, 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	-53.28	-25	Pass	601
0.15	30	0.01	RMS	0.15	-52.12	-25	Pass	2985
30	1000	0.1	RMS	933.393	-58.76	-25	Pass	9700
1000	2490	1	RMS	2486.998	-45.47	-25	Pass	1490
2490	2580	1	RMS	2565.3	26.78	60	Pass	601
2580	3000	1	RMS	2582.8	-43.84	-25	Pass	601
3000	12000	1	RMS	11908.99	-44.56	-25	Pass	9000
12000	26500	1	RMS	26452.997	-26.01	-25	Pass	14500
20-								





#### 1.10. LTE Transmitter Spurious Emissions(NTNV)(Subtest:11, Channel:21425, 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	-53.94	-25	Pass	601
0.15	30	0.01	RMS	0.15	-52.5	-25	Pass	2985
30	1000	0.1	RMS	897.489	-58.88	-25	Pass	9700
1000	2490	1	RMS	2490	-45.42	-25	Pass	1490
2490	2580	1	RMS	2569.65	26.87	60	Pass	601
2580	3000	1	RMS	2580	-43.66	-25	Pass	601
3000	12000	1	RMS	11906.99	-44.67	-25	Pass	9000
12000	26500	1	RMS	26440.996	-25.96	-25	Pass	14500
35 - 20 - 10 - 0 -								





-50

-60-

-70

-80-

0.009

2500

7500

5000

#### 1.11. LTE Transmitter Spurious Emissions(NTNV)(Subtest:12, Channel:21425, 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	-53.48	-25	Pass	601
0.15	30	0.01	RMS	0.15	-52.53	-25	Pass	2985
30	1000	0.1	RMS	892.689	-58.7	-25	Pass	9700
1000	2490	1	RMS	2488.999	-45.46	-25	Pass	1490
2490	2580	1	RMS	2565.3	25.67	60	Pass	601
2580	3000	1	RMS	2582.8	-43.92	-25	Pass	601
3000	12000	1	RMS	11900.989	-44.59	-25	Pass	9000
12000	26500	1	RMS	26458.997	-25.98	-25	Pass	14500
35 - 20 - 10 - 0 - -10 - E9 -20 - 30 - -40 -								



#### 1.12. LTE Transmitter Spurious Emissions(NTNV)(Subtest:13, Channel:21425, 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	-53.45	-25	Pass	601
0.15	30	0.01	RMS	0.15	-51.77	-25	Pass	2985
30	1000	0.1	RMS	929.293	-58.85	-25	Pass	9700
1000	2490	1	RMS	2487.999	-45.43	-25	Pass	1490
2490	2580	1	RMS	2569.65	25.79	60	Pass	601
2580	3000	1	RMS	2580	-43.88	-25	Pass	601
3000	12000	1	RMS	11904.989	-44.6	-25	Pass	9000
12000	26500	1	RMS	26460.997	-26.11	-25	Pass	14500
35- 20- 10- 0- -10-								





# 1.13. LTE Transmitter Spurious Emissions(NTNV)(Subtest:14, Channel:20800, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

0.15 30 1000 2490 2580 3000 12000 26500	0.001 0.01 0.1 1 1 1 1	RMS	0.01 0.15 927.493 2482.995 2500.65 2582.1 11911.99 26451.997	-53.15 -52.09 -58.8 -39.77 24.69 -44.03 -44.62	-25 -25 -25 -25 60 -25 -25	Pass Pass Pass Pass Pass Pass	601 2985 9700 1490 601
1000 2490 2580 3000 12000	0.1 1 1 1	RMS RMS RMS RMS RMS	927.493 2482.995 2500.65 2582.1 11911.99	-58.8 -39.77 24.69 -44.03 -44.62	-25 -25 60 -25	Pass Pass Pass	9700 1490 601
2490 2580 3000 12000	1 1 1	RMS RMS RMS RMS	2482.995 2500.65 2582.1 11911.99	-39.77 24.69 -44.03 -44.62	-25 60 -25	Pass Pass	1490 601
2580 3000 12000	1 1	RMS RMS RMS	2500.65 2582.1 11911.99	24.69 -44.03 -44.62	60 -25	Pass	601
3000 12000	1	RMS RMS	2582.1 11911.99	-44.03 -44.62	-25		
12000	1	RMS	11911.99	-44.62		Pass	601
					-25		
26500	1	RMS	26451.997	05 04		Pass	9000
				-25.94	-25	Pass	14500
	7500			17500 2	0000 22	2500	26500
,	00 5000		00 5000 7500 10000 12	00 5000 7500 10000 12500 15000	00 5000 7500 10000 12500 15000 17500 2	00 5000 7500 10000 12500 15000 17500 20000 22	



# 1.14. LTE Transmitter Spurious Emissions(NTNV)(Subtest:15, Channel:20800, 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	0.011	-53.37	-25	Pass	601
0.15	30	0.01	RMS	0.15	-53.32	-25	Pass	2985
30	1000	0.1	RMS	935.093	-58.71	-25	Pass	9700
1000	2490	1	RMS	2490	-45.12	-25	Pass	1490
2490	2580	1	RMS	2509.35	24.05	60	Pass	601
2580	3000	1	RMS	2580	-44.05	-25	Pass	601
3000	12000	1	RMS	11906.99	-44.5	-25	Pass	9000
12000 30-	26500	1	RMS	26469.998	-26.05	-25	Pass	14500
20- 10- 0- -10- (Mag) -30- -30- -40- -50- -60- -70- -80-		Man and appropriate		A ALL AND				
	2500 5000	7500		500 15000 Jency(MHz)	17500 2	0000 22	500	26500



# 1.15. LTE Transmitter Spurious Emissions(NTNV)(Subtest:16, Channel:20800, Bandwidth:10, Modulation:16QAM, RB Number: 1, RB Position:LOW)

0.009 0.15	0.15	0.004		(MHz)	(dBm)	(dBm)	Verdict	Point
0.15		0.001	RMS	0.01	-54.6	-25	Pass	601
	30	0.01	RMS	0.15	-51.8	-25	Pass	2985
30	1000	0.1	RMS	902.69	-58.71	-25	Pass	9700
1000	2490	1	RMS	2482.995	-41.01	-25	Pass	1490
2490	2580	1	RMS	2500.65	23.74	60	Pass	601
2580	3000	1	RMS	2581.4	-44.07	-25	Pass	601
3000	12000	1	RMS	11909.99	-44.6	-25	Pass	9000
12000	26500	1	RMS	26451.997	-26	-25	Pass	14500
20- 10- 0- -10- (Eg -20- -30- -40- -50- -60- -70- -80- 0.009 2	2500 5000	7500		500 15000 Jency(MHz)	17500 2	0000 22	500	26500



# 1.16. LTE Transmitter Spurious Emissions(NTNV)(Subtest:17, Channel:20800, 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	-54.02	-25	Pass	601
0.15	30	0.01	RMS	0.16	-52.75	-25	Pass	2985
30	1000	0.1	RMS	899.19	-58.72	-25	Pass	9700
1000	2490	1	RMS	2490	-45.12	-25	Pass	1490
2490	2580	1	RMS	2509.35	23.24	60	Pass	601
2580	3000	1	RMS	2581.4	-44.08	-25	Pass	601
3000	12000	1	RMS	11904.989	-44.66	-25	Pass	9000
12000 30-	26500	1	RMS	26476.998	-26.03	-25	Pass	14500
20- 10- 0- -10- (map) -30- -30- -40- -50- -60- -70- -80-		Mark And Brook			Multi-			
	2500 5000	7500		500 15000 Jency(MHz)	17500 2	0000 22	500	26500



# 1.17. LTE Transmitter Spurious Emissions(NTNV)(Subtest:18, Channel:21100, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-52.79	-25	Pass	601
0.15	30	0.01	RMS	0.15	-53.51	-25	Pass	2985
30	1000	0.1	RMS	998.5	-58.58	-25	Pass	9700
1000	2490	1	RMS	2488.999	-45.4	-25	Pass	1490
2490	2580	1	RMS	2530.65	24.55	60	Pass	601
2580	3000	1	RMS	2584.2	-44.06	-25	Pass	601
3000	12000	1	RMS	11906.99	-44.49	-25	Pass	9000
12000	26500	1	RMS	26451.997	-25.9	-25	Pass	14500
20- 10- 0- -10- (\overline{\mathbb{W}}{\mathbb{P}}\) -30- -40- -50- -60- -70- -80- 0.009	2500 5000	7500		2500 15000 Jency(MHz)	17500 2	0000 22	2500	26500



# 1.18. LTE Transmitter Spurious Emissions(NTNV)(Subtest:19, Channel:21100, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-53.69	-25	Pass	601
0.15	30	0.01	RMS	0.15	-52.31	-25	Pass	2985
30	1000	0.1	RMS	888.288	-59.07	-25	Pass	9700
1000	2490	1	RMS	2432.962	-47.06	-25	Pass	1490
2490	2580	1	RMS	2530.65	22.78	60	Pass	601
2580	3000	1	RMS	2668.2	-47.42	-25	Pass	601
3000	12000	1	RMS	11893.988	-49.18	-25	Pass	9000
12000 30-	26500	1	RMS	26460.997	-25.8	-25	Pass	14500
20- 10- 0- -10- (\(\mathbb{\text{Mg}}\) -20- -30- -40- -50- -60- -70- -80- 0.009	2500 5000	7500		2500 15000 Bency(MHz)	17500 20	0000 22	500	26500



# 1.19. LTE Transmitter Spurious Emissions(NTNV)(Subtest:21, Channel:21100, 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	0.012	-54.35	-25	Pass	601
0.15	30	0.01	RMS	0.15	-52.62	-25	Pass	2985
30	1000	0.1	RMS	927.893	-58.92	-25	Pass	9700
2490	2580	1	RMS	2539.35	22.82	60	Pass	601
2580	3000	1	RMS	2690.6	-47.41	-25	Pass	601
3000	12000	1	RMS	11900.989	-49.18	-25	Pass	9000
12000	26500	1	RMS	26452.997	-25.82	-25	Pass	14500
20- 10- 0- -10- (\text{\text{\$\exitt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\exittitt{\$\tex	2500 5000	7500		500 15000 uency(MHz)	17500 2	0000 22	2500	26500



# 1.20. LTE Transmitter Spurious Emissions(NTNV)(Subtest:22, Channel:21100, Bandwidth:10, Modulation:16QAM, RB Number: 1, RB Position:LOW)

Start Frequenc (MHz)	у	Stop Frequenc (MHz)	су	RBW (MHz		Detector	Freque (MHz		Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.0	009	0	.15	0.00	1	RMS		0.01	-53.87	-25	Pass	601
0.	.15		30	0.0	1	RMS		0.15	-52.13	-25	Pass	2985
	30	10	000	0.	1	RMS	90	4.79	-58.77	-25	Pass	9700
10	000	24	190		1	RMS	2487	.999	-45.45	-25	Pass	1490
	190		580		1	RMS		0.65	23.56	60	Pass	601
	680		000		1	RMS		81.4	-44.05	-25	Pass	601
	000		000		1	RMS	11900		-44.69	-25	Pass	9000
30-	000	265	500		1	RMS	26452	.997	-25.86	-25	Pass	14500
20- 10- 0- -10- (Rg) -20- -30- -40- -50- -60- -70- -80- 0.009	2	500 500	000	7500		10000 12	500 150	000	17500 2	0000 22	500	26500
						Frequ	iency(MH					



#### 1.21. LTE Transmitter Spurious Emissions(NTNV)(Subtest:23, Channel:21100, Bandwidth:10, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

Frequency (MHz)	Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-53.67	-25	Pass	601
0.15	30	0.01	RMS	0.15	-52.51	-25	Pass	2985
30	1000	0.1	RMS	860.986	-58.71	-25	Pass	9700
1000	2490	1	RMS	2486.998	-45.41	-25	Pass	1490
2490	2580	1	RMS	2539.35	24.32	60	Pass	601
2580	3000	1	RMS	2581.4	-44.04	-25	Pass	601
3000	12000	1	RMS	11910.99	-44.66	-25	Pass	9000
12000	26500	1	RMS	26452.997	-25.9	-25	Pass	14500
20- 10- 0- -10- (Eg -20- -30- -40- -50- -60- -70- -80- 0.009	2500 5000	7500		500 15000 Jency(MHz)	17500 2	0000 22	500	26500



-50

-60-

-70

-80-

0.009

5000

2500

7500

#### 1.22. LTE Transmitter Spurious Emissions(NTNV)(Subtest:24, Channel:21400, 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	-53.65	-25	Pass	601
0.15	30	0.01	RMS	0.15	-52.64	-25	Pass	2985
30	1000	0.1	RMS	878.687	-58.76	-25	Pass	9700
1000	2490	1	RMS	2490	-45.47	-25	Pass	1490
2490	2580	1	RMS	2560.65	26.86	60	Pass	601
2580	3000	1	RMS	2580	-43.71	-25	Pass	601
3000	12000	1	RMS	11899.989	-44.53	-25	Pass	9000
12000	26500	1	RMS	26452.997	-25.98	-25	Pass	14500
35- 20- 10- 0- -10- (Egg) -20-								www

10000 12500 15000 17500 20000 22500

Frequency(MHz)

26500

20000 22500



-80-

0.009

5000

2500

7500

#### 1.23. LTE Transmitter Spurious Emissions(NTNV)(Subtest:25, Channel:21400, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-52.57	-25	Pass	601
0.15	30	0.01	RMS	0.15	-51.22	-25	Pass	2985
30	1000	0.1	RMS	927.293	-58.54	-25	Pass	9700
1000	2490	1	RMS	2486.998	-45.42	-25	Pass	1490
2490	2580	1	RMS	2569.35	26.61	60	Pass	601
2580	3000	1	RMS	2587	-37.29	-25	Pass	601
3000	12000	1	RMS	11907.99	-44.55	-25	Pass	9000
12000	26500	1	RMS	26458.997	-25.95	-25	Pass	14500
20- 10- 0- -10- (Egp) -20- -30- -40- -50-		Value of the same						w

10000 12500 15000 17500

Frequency(MHz)

26500



#### 1.24. LTE Transmitter Spurious Emissions(NTNV)(Subtest:26, Channel:21400, Bandwidth:10, 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	0.009	-53.38	-25	Pass	601
30	0.01	RMS	0.15	-52.77	-25	Pass	2985
1000	0.1	RMS	874.287	-58.78	-25	Pass	9700
2490	1	RMS	2490	-45.4	-25	Pass	1490
2580	1	RMS	2560.65	25.91	60	Pass	601
3000	1	RMS	2580	-43.7	-25	Pass	601
12000	1	RMS	11910.99	-44.58	-25	Pass	9000
26500	1	RMS	26459.997	-26	-25	Pass	14500
	Frequency (MHz) 0.15 30 1000 2490 2580 3000 12000	Frequency (MHz)  0.15 0.001  30 0.01  1000 0.1  2490 1  2580 1  3000 1  12000 1	Frequency (MHz)         RBW (MHz)         Detector           0.15         0.001         RMS           30         0.01         RMS           1000         0.1         RMS           2490         1         RMS           2580         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         874.287           2490         1         RMS         2490           2580         1         RMS         2560.65           3000         1         RMS         11910.99	Frequency (MHz)         RBW (MHz)         Detector         Frequency (MHz)         Power (dBm)           0.15         0.001         RMS         0.009         -53.38           30         0.01         RMS         0.15         -52.77           1000         0.1         RMS         874.287         -58.78           2490         1         RMS         2490         -45.4           2580         1         RMS         2560.65         25.91           3000         1         RMS         2580         -43.7           12000         1         RMS         11910.99         -44.58	Frequency (MHz)         RBW (MHz)         Detector (MHz)         Frequency (MHz)         Power (dBm)         Limit (dBm)           0.15         0.001         RMS         0.009         -53.38         -25           30         0.01         RMS         0.15         -52.77         -25           1000         0.1         RMS         874.287         -58.78         -25           2490         1         RMS         2490         -45.4         -25           2580         1         RMS         2560.65         25.91         60           3000         1         RMS         2580         -43.7         -25           12000         1         RMS         11910.99         -44.58         -25	Frequency (MHz)         RBW (MHz)         Detector (MHz)         Frequency (MHz)         Power (dBm)         Limit (dBm)         Verdict           0.15         0.001         RMS         0.009         -53.38         -25         Pass           30         0.01         RMS         0.15         -52.77         -25         Pass           1000         0.1         RMS         874.287         -58.78         -25         Pass           2490         1         RMS         2490         -45.4         -25         Pass           2580         1         RMS         2560.65         25.91         60         Pass           3000         1         RMS         2580         -43.7         -25         Pass           12000         1         RMS         11910.99         -44.58         -25         Pass





-40

-50

-60-

-70

-80-

0.009

2500

7500

5000

#### 1.25. LTE Transmitter Spurious Emissions(NTNV)(Subtest:27, Channel:21400, 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	-54.72	-25	Pass	601
0.15	30	0.01	RMS	0.15	-52.14	-25	Pass	2985
30	1000	0.1	RMS	905.59	-58.71	-25	Pass	9700
1000	2490	1	RMS	2488.999	-45.37	-25	Pass	1490
2490	2580	1	RMS	2569.35	25.84	60	Pass	601
2580	3000	1	RMS	2587	-37.38	-25	Pass	601
3000	12000	1	RMS	11902.989	-44.61	-25	Pass	9000
12000	26500	1	RMS	26460.997	-25.92	-25	Pass	14500
35- 20- 10- 0- -10-								
-20- -30-							•••••	war.c



# 1.26. LTE Transmitter Spurious Emissions(NTNV)(Subtest:28, Channel:20825, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:LOW)

0.15 30 1000	0.001	RMS	0.01				
	0.01		0.01	-53.97	-25	Pass	601
1000		RMS	0.16	-51.95	-25	Pass	2985
	0.1	RMS	992.299	-58.54	-25	Pass	9700
2490	1	RMS	2487.999	-42.14	-25	Pass	1490
2580	1	RMS	2500.8	24.61	60	Pass	601
3000	1	RMS	2580.7	-44.04	-25	Pass	601
	1				-25		9000
26500	1	RMS	26447.996	-25.93	-25	Pass	14500
2500 5000	7500			17500 2	0000 22	500	26500
	2580 3000 12000 26500	2580 1 3000 1 12000 1 26500 1	2580 1 RMS 3000 1 RMS 12000 1 RMS 26500 1 RMS	2580 1 RMS 2500.8 3000 1 RMS 11904.989 26500 1 RMS 26447.996	2580 1 RMS 2500.8 24.61 3000 1 RMS 2580.7 -44.04 12000 1 RMS 11904.989 -44.57 26500 1 RMS 26447.996 -25.93	2580	2580 1 RMS 2500.8 24.61 60 Pass 3000 1 RMS 2580.7 -44.04 -25 Pass 12000 1 RMS 11904.989 -44.57 -25 Pass 26500 1 RMS 26447.996 -25.93 -25 Pass 2500 5000 7500 10000 12500 15000 17500 20000 22500



# 1.27. LTE Transmitter Spurious Emissions(NTNV)(Subtest:29, Channel:20825, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:HIGH)



# 1.28. LTE Transmitter Spurious Emissions(NTNV)(Subtest:30, Channel:20825, Bandwidth:15, Modulation:16QAM, RB Number: 1, RB Position:LOW)

Start Frequen (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	-54.18	-25	Pass	601
(	0.15	30	0.01	RMS	0.15	-53.85	-25	Pass	2985
	30	1000	0.1	RMS	902.69	-58.82	-25	Pass	9700
1	000	2490	1	RMS	2487.999	-43.15	-25	Pass	1490
2	490	2580	1	RMS	2500.8	23.67	60	Pass	601
	580	3000	1	RMS	2580.7	-44.07	-25	Pass	601
	000	12000	1	RMS	11900.989	-44.61	-25	Pass	9000
30-	000	26500	1	RMS	26447.996	-25.88	-25	Pass	14500
20- 10- 0- -10- (mgp) -30- -40- -50- -60- -70- -80- 0.00	9 2	2500 5000	7500	10000 12	500 15000	17500 2	0000 22	2500	26500
5.50					uency(MHz)		22		



# 1.29. LTE Transmitter Spurious Emissions(NTNV)(Subtest:31, Channel:20825, Bandwidth:15, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

Sta Frequ (MI	ency	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
	0.009	0.15	0.001	RMS	0.01	-53.88	-25	Pass	601
	0.15	30	0.01	RMS	0.16	-51.52	-25	Pass	2985
	30	1000	0.1	RMS	888.188	-58.46	-25	Pass	9700
	1000	2490	1	RMS	2487.999	-30.91	-25	Pass	1490
	2490	2580	1	RMS	2514.15	23.14	60	Pass	601
	2580	3000	1	RMS	2580.7	-44.05	-25	Pass	601
	3000	12000	1	RMS	11907.99	-44.54	-25	Pass	9000
30	12000	26500	1	RMS	26456.997	-25.83	-25	Pass	14500
20: 10: 0: -10: ((wgp)) -30: -40: -50: -60: -70: -80: 0.		2500 5000	7500	10000 12	500 15000	17500 2	0000 22	.500	26500
					uency(MHz)				



# 1.30. LTE Transmitter Spurious Emissions(NTNV)(Subtest:32, Channel:21100, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:LOW)

0.15 30 0.01 RMS 0.15 -52.73 -25 Pass 25 30 1000 0.1 RMS 900.49 -58.75 -25 Pass 97 1000 2490 1 RMS 2490 -45.36 -25 Pass 14 2490 2580 1 RMS 2528.4 24.52 60 Pass 6 2580 3000 1 RMS 2580 -44.02 -25 Pass 90 12000 26500 1 RMS 11906.99 -44.6 -25 Pass 90 12000 26500 1 RMS 26445.996 -25.95 -25 Pass 145 30	Start Frequency (MHz)	F	Stop requency (MHz)	у	RBW (MHz)	Detector	Freque (MHz	•	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	0.00	9	0.	15	0.001	RMS		0.01	-54.98	-25	Pass	601
1000	0.1	5		30	0.01	RMS		0.15	-52.73	-25	Pass	2985
2490	3	0	100	00	0.1	RMS	90	0.49	-58.75	-25	Pass	9700
2580 3000 1 RMS 2580 -44.02 -25 Pass 60 3000 12000 1 RMS 11906.99 -44.6 -25 Pass 90 12000 26500 1 RMS 26445.996 -25.95 -25 Pass 145 30 -20 -10 -60 -50 -60 -70 -80 -	100	0	249	90	1	RMS	2	2490	-45.36	-25	Pass	1490
3000 12000 1 RMS 11906.99 -44.6 -25 Pass 90 12000 26500 1 RMS 26445.996 -25.95 -25 Pass 145  30- 20- 10- 010607080-	249	0	258	80	1	RMS	25	28.4	24.52	60	Pass	601
12000 26500 1 RMS 26445.996 -25.95 -25 Pass 145	258	0	300	00	1	RMS	2	2580	-44.02	-25	Pass	601
30 - 20 - 10 - 0 10	300	0	1200	00	1	RMS	1190	6.99	-44.6	-25	Pass	9000
20- 10- 0- -10- -10- -30- -40- -50- -60- -70- -80-		0	2650	00	1	RMS	26445	.996	-25.95	-25	Pass	14500
Frequency(MHz)	10- 0- -10- (mg -20- -30- -40- -50- -70-	250		0	7500				17500 2	0000 22	500	26500



# 1.31. LTE Transmitter Spurious Emissions(NTNV)(Subtest:33, Channel:21100, 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	-53.38	-25	Pass	601
0.15	30	0.01	RMS	0.15	-52.36	-25	Pass	2985
30	1000	0.1	RMS	906.99	-58.74	-25	Pass	9700
1000	2490	1	RMS	2490	-45.39	-25	Pass	1490
2490	2580	1	RMS	2541.6	25.62	60	Pass	601
2580	3000	1	RMS	2584.2	-44	-25	Pass	601
3000	12000	1	RMS	11902.989	-44.56	-25	Pass	9000
20- 10- 0- -10- (\text{\text{\text{\$M\$}}}\text{\$-20-} -30- -40- -50- -60- -70- -80- 0.009	2500 5000	7500		500 15000 Jency(MHz)	17500 2	0000 22	2500	26500



# 1.32. LTE Transmitter Spurious Emissions(NTNV)(Subtest:35, Channel:21100, Bandwidth:15, Modulation:16QAM, RB Number: 1, RB Position:LOW)

0.009 0.15 30 1000 2490 2580 3000 12000 30- 20- 10- 0- -10- (Egp) -30- -40- -50-	0.15 30 1000 2490 2580 3000 12000 26500	0.001 0.01 0.1 1 1 1 1	RMS	0.009 0.15 905.59 2490 2528.4 2580 11904.989	-53.16 -52.24 -58.62 -45.39 23.48 -44.05 -44.71	-25 -25 -25 -25 -25 -60 -25	Pass Pass Pass Pass Pass	601 2985 9700 1490 601
30 1000 2490 2580 3000 12000 30- 20- 10- 0- -10- (Egp) -30- -40-	1000 2490 2580 3000 12000	0.1 1 1 1	RMS RMS RMS RMS RMS	905.59 2490 2528.4 2580	-58.62 -45.39 23.48 -44.05	-25 -25 60	Pass Pass	9700 1490
1000 2490 2580 3000 12000 30- 20- 10- 0- -10- (Egp) -30- -40-	2490 2580 3000 12000	1 1 1	RMS RMS RMS RMS	2490 2528.4 2580	-45.39 23.48 -44.05	-25 60	Pass	1490
2490 2580 3000 12000 30- 20- 10- 0- -10- (Egp) -30- -40-	2580 3000 12000	1 1 1	RMS RMS RMS	2528.4 2580	23.48	60		
2580 3000 12000 30- 20- 10- 0- -10- (Egp) -30- -40-	3000 12000	1	RMS RMS	2580	-44.05		Pass	601
3000 12000 30- 20- 10- 0- -10- (\hat{B}\hat{B}-20- -40-	12000	1	RMS			-25		<b></b>
12000 30- 20- 10- 0- -10- (\hat{\mathbb{H}} -20- -40-				11904.989	<i>-∆∆</i> 71		Pass	601
30- 20- 10- 0- -10- -20- -40-	26500	1	RMS			-25	Pass	9000
20- 10- 0- -10- ((mg -20- -30- -40-				26451.997	-25.93	-25	Pass	14500
-60 - -70 - -80 - 0.009 250		Mark Sayar'	10000 12	500 15000	17500 2	0000 22		26500



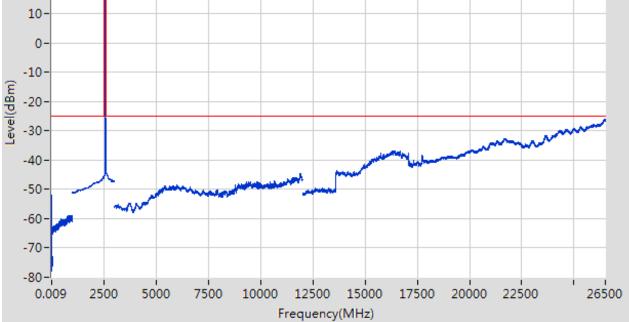
#### 1.33. LTE Transmitter Spurious Emissions(NTNV)(Subtest:36, Channel:21100, Bandwidth:15, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

0.009		(MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-52.9	-25	Pass	601
0.15	30	0.01	RMS	0.15	-51.76	-25	Pass	2985
30	1000	0.1	RMS	900.69	-58.73	-25	Pass	9700
1000	2490	1	RMS	2488.999	-45.39	-25	Pass	1490
2490	2580	1	RMS	2541.6	24.62	60	Pass	601
2580	3000	1	RMS	2580	-44.03	-25	Pass	601
3000	12000	1	RMS	11903.989	-44.55	-25	Pass	9000
12000 30-	26500	1	RMS	26451.997	-25.85	-25	Pass	14500
20- 10- 0- -10- (Eg -20- -30- -40- -50- -60- -70- -80- 0.009	2500 5000	7500		500 15000 Jency(MHz)	17500 2	0000 22	500	26500



#### 1.34. LTE Transmitter Spurious Emissions(NTNV)(Subtest:37, Channel:21375, 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	-54.75	-25	Pass	601
0.15	30	0.01	RMS	0.15	-51.79	-25	Pass	2985
30	1000	0.1	RMS	987.399	-58.86	-25	Pass	9700
1000	2490	1	RMS	2487.999	-45.36	-25	Pass	1490
2490	2580	1	RMS	2555.85	27.04	60	Pass	601
2580	3000	1	RMS	2582.8	-25.49	-25	Pass	601
3000	12000	1	RMS	11908.99	-44.62	-25	Pass	9000
12000	26500	1	RMS	26449.997	-25.91	-25	Pass	14500
35- 20- 10- 0- -10- \$\hat{\mathbb{E}}\$ -20-								





THE STATE OF THE S

5000

2500

7500

-60-

-70

-80-

0.009

#### 1.35. LTE Transmitter Spurious Emissions(NTNV)(Subtest:38, Channel:21375, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

0.15         30         0.01         RMS         0.15         -52.69         -25         Pass         298           30         1000         0.1         RMS         999.8         -58.7         -25         Pass         970           1000         2490         1         RMS         2490         -45.38         -25         Pass         149           2490         2580         1         RMS         2569.2         26.84         60         Pass         60           2580         3000         1         RMS         2582.8         -34.56         -25         Pass         60           3000         12000         1         RMS         11906.99         -44.5         -25         Pass         900           12000         26500         1         RMS         26450.997         -25.95         -25         Pass         1450	Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequenc (MHz)	y	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	0.009	0.15	0.001	RMS	0.00	09	-53.58	-25	Pass	60
1000 2490 1 RMS 2490 -45.38 -25 Pass 149 2490 2580 1 RMS 2569.2 26.84 60 Pass 60 2580 3000 1 RMS 2582.8 -34.56 -25 Pass 60 3000 12000 1 RMS 11906.99 -44.5 -25 Pass 900 12000 26500 1 RMS 26450.997 -25.95 -25 Pass 1450	0.15	30	0.01	RMS	0.1	15	-52.69	-25	Pass	298
2490 2580 1 RMS 2569.2 26.84 60 Pass 60 2580 3000 1 RMS 2582.8 -34.56 -25 Pass 60 3000 12000 1 RMS 11906.99 -44.5 -25 Pass 900 12000 26500 1 RMS 26450.997 -25.95 -25 Pass 1450	30	1000	0.1	RMS	999	8.	-58.7	-25	Pass	970
2580 3000 1 RMS 2582.8 -34.56 -25 Pass 60 3000 12000 1 RMS 11906.99 -44.5 -25 Pass 900 12000 26500 1 RMS 26450.997 -25.95 -25 Pass 1450	1000	2490	1	RMS	249	90	-45.38	-25	Pass	149
3000 12000 1 RMS 11906.99 -44.5 -25 Pass 900 12000 26500 1 RMS 26450.997 -25.95 -25 Pass 1450	2490	2580	1	RMS	2569	.2	26.84	60	Pass	60
12000 26500 1 RMS 26450.997 -25.95 -25 Pass 1450	2580	3000	1	RMS	2582	2.8	-34.56	-25	Pass	60
35- 20- 10- 0- -10-	3000	12000	1	RMS	11906.9	99	-44.5	-25	Pass	900
20- 10- 010-	12000	26500	1	RMS	26450.99	97	-25.95	-25	Pass	1450
.   L	0-									

10000 12500 15000 17500

Frequency(MHz)

26500

20000 22500



-80-0.009

5000

2500

7500

10000 12500

15000

Frequency(MHz)

17500

20000

22500

#### 1.36. LTE Transmitter Spurious Emissions(NTNV)(Subtest:39, Channel:21375, 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	-53.34	-25	Pass	601
0.15	30	0.01	RMS	0.15	-53.06	-25	Pass	2985
30	1000	0.1	RMS	966.197	-58.78	-25	Pass	9700
1000	2490	1	RMS	2486.998	-45.39	-25	Pass	1490
2490	2580	1	RMS	2555.85	26.11	60	Pass	601
2580	3000	1	RMS	2582.8	-25.02	-25	Pass	601
3000	12000	1	RMS	11904.989	-44.57	-25	Pass	9000
12000	26500	1	RMS	26454.997	-25.92	-25	Pass	14500
35- 20- 10- 0- -10- (\text{\text{\text{\$a}}}\text{\text{\$p\$}}\text{\text{\$p\$}}\text{\text{\$-20-}}\text{\text{\$-30-}}\text{\text{\$-40-}}\text{\text{\$-50-}}\text{\text{\$-60-}}\text{\text{\$-70-}}\text		Vacation of the second						

26500



#### 1.37. LTE Transmitter Spurious Emissions(NTNV)(Subtest:40, Channel:21375, 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	-54.21	-25	Pass	601
0.15	30	0.01	RMS	0.15	-52.4	-25	Pass	2985
30	1000	0.1	RMS	879.688	-58.63	-25	Pass	9700
1000	2490	1	RMS	2490	-45.38	-25	Pass	1490
2490	2580	1	RMS	2569.2	25.95	60	Pass	601
2580	3000	1	RMS	2582.8	-36.12	-25	Pass	601
3000	12000	1	RMS	11903.989	-44.56	-25	Pass	9000
12000	26500	1	RMS	26454.997	-25.97	-25	Pass	14500
35- 20- 10- 0- -10- \(\hat{\mathbb{E}}\)								



# 1.38. LTE Transmitter Spurious Emissions(NTNV)(Subtest:41, Channel:20850, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Frequency (MHz)	Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-53.95	-25	Pass	601
0.15	30	0.01	RMS	0.15	-51.44	-25	Pass	2985
30	1000	0.1	RMS	949.995	-58.75	-25	Pass	9700
1000	2490	1	RMS	2482.995	-41.5	-25	Pass	1490
2490	2580	1	RMS	2501.1	24.68	60	Pass	601
2580	3000	1	RMS	2582.8	-44.05	-25	Pass	601
3000	12000	1	RMS	11908.99	-44.55	-25	Pass	9000
12000	26500	1	RMS	26455.997	-25.89	-25	Pass	14500
20- 10- 0- -10- (Eg -20- -30- -40- -50- -60- -70- -80- 0.009	2500 5000	7500		500 15000 Jency(MHz)	17500 2	0000 22	2500	26500



# 1.39. LTE Transmitter Spurious Emissions(NTNV)(Subtest:42, Channel:20850, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:HIGH)



# 1.40. LTE Transmitter Spurious Emissions(NTNV)(Subtest:43, Channel:20850, Bandwidth:20, Modulation:16QAM, RB Number: 1, RB Position:LOW)



# 1.41. LTE Transmitter Spurious Emissions(NTNV)(Subtest:44, Channel:20850, 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	-54.08	-25	Pass	601
0.15	30	0.01	RMS	0.15	-51.75	-25	Pass	2985
30	1000	0.1	RMS	944.094	-58.68	-25	Pass	9700
1000	2490	1	RMS	2482.995	-32.63	-25	Pass	1490
2490		1	RMS	2518.95	23.24	60	Pass	601
2580		1	RMS	2580	-44.03	-25	Pass	601
3000		1	RMS	11905.99	-44.57	-25	Pass	9000
12000	26500	1	RMS	26457.997	-25.87	-25	Pass	14500
20- 10- 0- -10- (mg -20- -30- -40- -50- -70- -80-		**************************************						
0.009	2500 5000	7500	10000 12	500 15000	17500 2	0000 22	500	26500
			Frequ	uency(MHz)				



# 1.42. LTE Transmitter Spurious Emissions(NTNV)(Subtest:45, Channel:21100, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Fr	Start requency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
	0.009	0.15	0.001	RMS	0.009	-54.01	-25	Pass	601
	0.15	30	0.01	RMS	0.15	-51.03	-25	Pass	2985
	30	1000	0.1	RMS	997.6	-58.68	-25	Pass	9700
	1000	2490	1	RMS	2490	-42.92	-25	Pass	1490
	2490	2580	1	RMS	2526.15	24.44	60	Pass	601
	2580	3000	1	RMS	2582.8	-43.99	-25	Pass	601
	3000	12000	1	RMS	11910.99	-44.56	-25	Pass	9000
	12000	26500	1	RMS	26468.998	-25.97	-25	Pass	14500
Level(dBm)	20- 10- 0- -10- -20- -30- -40- -50- -60- -70- -80- 0.009	2500 5000	7500	10000 12	500 15000	17500 2	0000 22	2500	26500
				Frequ	uency(MHz)				



#### 1.43. LTE Transmitter Spurious Emissions(NTNV)(Subtest:46, Channel:21100, 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	-53.54	-25	Pass	601
0.15	30	0.01	RMS	0.15	-52.03	-25	Pass	2985
30	1000	0.1	RMS	932.093	-58.87	-25	Pass	9700
1000	2490	1	RMS	2490	-45.3	-25	Pass	1490
2490	2580	1	RMS	2543.85	25.92	60	Pass	601
2580	3000	1	RMS	2580	-36.78	-25	Pass	601
3000	12000	1	RMS	11902.989	-44.65	-25	Pass	9000
12000	26500	1	RMS	26451.997	-25.96	-25	Pass	14500
35- 20- 10- 0- -10-								

Frequency(MHz)



# 1.44. LTE Transmitter Spurious Emissions(NTNV)(Subtest:47, Channel:21100, 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	-54.72	-25	Pass	601
0.15	30	0.01	RMS	0.16	-52.68	-25	Pass	2985
30	1000	0.1	RMS	872.087	-59.01	-25	Pass	9700
1000	2490	1	RMS	2428.959	-47.01	-25	Pass	1490
2490	2580	1	RMS	2543.85	21.76	60	Pass	601
2580	3000	1	RMS	2580	-43.3	-25	Pass	601
3000	12000	1	RMS	11899.989	-49.01	-25	Pass	9000
12000	26500	1	RMS	26457.997	-25.78	-25	Pass	14500
20- 10- 0- -10- ( <u>Wap</u> ) -20- -30- -40- -50- -60- -70- -80- 0.009	2500 5000	7500	10000 12	2500 15000	17500 20	0000 22	500	26500
		,		iency(MHz)			-	



### 1.45. LTE Transmitter Spurious Emissions(NTNV)(Subtest:49, Channel:21100, 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	-54.03	-25	Pass	601
0.15	30	0.01	RMS	0.16	-52.83	-25	Pass	2985
30	1000	0.1	RMS	886.388	-58.92	-25	Pass	9700
1000	2490	1	RMS	2426.958	-47.09	-25	Pass	1490
2490	2580	1	RMS	2551.05	22.74	60	Pass	601
2580	3000	1	RMS	2587	-29.39	-25	Pass	601
3000	12000	1	RMS	11899.989	-48.99	-25	Pass	9000
12000	26500	1	RMS	26451.997	-25.7	-25	Pass	14500
20- 10- 0- -10- ( <u>Wap</u> ) -20- -30- -40- -50- -60- -70- -80- 0.009	2500 5000	7500	10000 12	2500 15000	17500 20	0000 22	500	26500
5.555				iency(MHz)				



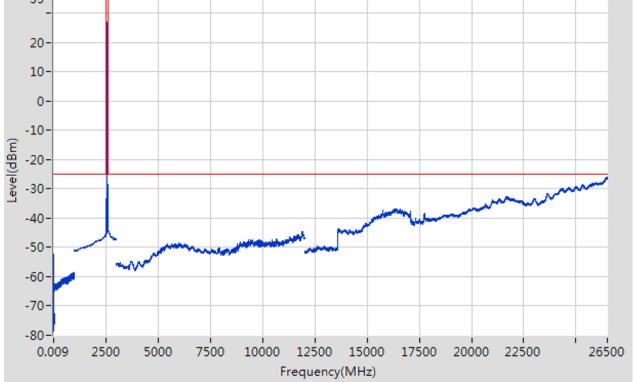
# 1.46. LTE Transmitter Spurious Emissions(NTNV)(Subtest:50, Channel:21100, Bandwidth:20, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

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	0.011	-53.63	-25	Pass	601
0.15	30	0.01	RMS	0.15	-52.09	-25	Pass	2985
30	1000	0.1	RMS	913.091	-58.77	-25	Pass	9700
1000	2490	1	RMS	2490	-45.35	-25	Pass	1490
2490	2580	1	RMS	2543.85	24.89	60	Pass	601
2580	3000	1	RMS	2580	-38.58	-25	Pass	601
3000	12000	1	RMS	11900.989	-44.56	-25	Pass	9000
12000	26500	1	RMS	26455.997	-25.86	-25	Pass	14500
20- 10- 0- -10- (\overline{\text{W}}{\text{P}})\overline{\text{V}} -20- -30- -40- -50- -60- -70- -80- 0.009	2500 5000	7500		500 15000 Jency(MHz)	17500 2	0000 22	2500	26500



### 1.47. LTE Transmitter Spurious Emissions(NTNV)(Subtest:51, Channel:21350, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-53.95	-25	Pass	601
0.15	30	0.01	RMS	0.15	-52.42	-25	Pass	2985
30	1000	0.1	RMS	919.492	-58.48	-25	Pass	9700
1000	2490	1	RMS	2490	-45.4	-25	Pass	1490
2490	2580	1	RMS	2551.05	26.78	60	Pass	601
2580	3000	1	RMS	2587	-28.38	-25	Pass	601
3000	12000	1	RMS	11905.99	-44.56	-25	Pass	9000
12000	26500	1	RMS	26455.997	-25.95	-25	Pass	14500
35- 20- 10- 0-								





-40

-50

-60-

-70

-80-

0.009

2500

7500

5000

#### 1.48. LTE Transmitter Spurious Emissions(NTNV)(Subtest:52, Channel:21350, 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	0.011	-53.79	-25	Pass	601
0.15	30	0.01	RMS	0.15	-52.98	-25	Pass	2985
30	1000	0.1	RMS	881.388	-58.76	-25	Pass	9700
1000	2490	1	RMS	2488.999	-45.4	-25	Pass	1490
2490	2580	1	RMS	2568.9	26.85	60	Pass	601
2580	3000	1	RMS	2587	-37.73	-25	Pass	601
3000	12000	1	RMS	11907.99	-44.54	-25	Pass	9000
12000	26500	1	RMS	26460.997	-25.96	-25	Pass	14500
35- 20- 10- 0- -10-								
-20- -30-							~~~~	مسم



#### 1.49. LTE Transmitter Spurious Emissions(NTNV)(Subtest:53, Channel:21350, 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	-25	Pass	601
0.15	30	0.01	RMS	0.15	-53.17	-25	Pass	2985
30	1000	0.1	RMS	939.494	-58.74	-25	Pass	9700
1000	2490	1	RMS	2488.999	-45.41	-25	Pass	1490
2490	2580	1	RMS	2551.05	25.65	60	Pass	601
2580	3000	1	RMS	2587	-27.2	-25	Pass	601
3000	12000	1	RMS	11903.989	-44.63	-25	Pass	9000
12000	26500	1	RMS	26453.997	-25.91	-25	Pass	14500
35- 20- 10- 0-								





-50

-60-

-70

-80-

0.009

2500

7500

5000

#### 1.50. LTE Transmitter Spurious Emissions(NTNV)(Subtest:54, Channel:21350, Bandwidth:20, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-53.37	-25	Pass	601
0.15	30	0.01	RMS	0.15	-51.89	-25	Pass	2985
30	1000	0.1	RMS	931.693	-58.52	-25	Pass	9700
1000	2490	1	RMS	2488.999	-45.44	-25	Pass	1490
2490	2580	1	RMS	2568.9	25.91	60	Pass	601
2580	3000	1	RMS	2587	-38.81	-25	Pass	601
3000	12000	1	RMS	11907.99	-44.58	-25	Pass	9000
12000	26500	1	RMS	26456.997	-25.99	-25	Pass	14500
35- 20- 10- 0- -10- (Egg) -20-								~~~

10000 12500 15000

Frequency(MHz)

26500

17500 20000 22500



END