

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	0.011	-54.11	-25	Pass	601
0.15	30	0.01	RMS	0.15	-52.58	-25	Pass	2985
30	1000	0.1	RMS	929.393	-59.38	-25	Pass	9700
1000	2490	1	RMS	2431.961	-47.09	-25	Pass	1490
2490	2580	1	RMS	2500.35	21.05	60	Pass	601
2580	3000	1	RMS	2672.4	-47.07	-25	Pass	601
3000	12000	1	RMS	11898.989	-49.14	-25	Pass	9000
12000 30-	26500	1	RMS	26453.997	-25.88	-25	Pass	14500
20- 10- 0- -10- (\(\text{WB}\)) -20- -30- -40- -50- -60- -70- -80- 0.009	2500 5000	7500	10000 12	2500 15000	17500 20	0000 22	500	26500
0.003	2550 5000	,500		iency(MHz)	2,000 2	2000 22	300	20000



1.2. LTE Transmitter Spurious Emissions(NTNV)(Subtest:2, Channel:20775, 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	-54.32	-25	Pass	601
0.15	30	0.01	RMS	0.15	-52.37	-25	Pass	2985
30	1000	0.1	RMS	887.188	-59.32	-25	Pass	9700
1000	2490	1	RMS	2487.999	-46.97	-25	Pass	1490
2490	2580	1	RMS	2504.7	21.27	60	Pass	601
2580	3000	1	RMS	2694.1	-47.48	-25	Pass	601
3000	12000	1	RMS	11899.989	-49.13	-25	Pass	9000
12000 30-	26500	1	RMS	26451.997	-25.87	-25	Pass	14500
20- 10- 0- -10- (\text{\text{\$W}}\text{\$P}\) -20- -30- -40- -50- -60- -70- -80- 0.009	2500 5000	7500		500 15000 lency(MHz)	17500 20	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)

0.009 0.15 0.001 RMS 0.01 -54.4 -25 Pass 0.15 30 0.01 RMS 0.15 -53.02 -25 Pass 30 1000 0.1 RMS 874.787 -59.33 -25 Pass 1000 2490 1 RMS 2490 -47.08 -25 Pass 2490 2580 1 RMS 2500.35 20.22 60 Pass 2580 3000 1 RMS 2667.5 -47.47 -25 Pass 12000 26500 1 RMS 26450.997 -25.87 -25 Pass 30	Start Frequen (MHz)	ency Frequency		RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30 1000 0.1 RMS 874.787 -59.33 -25 Pass 1000 2490 1 RMS 2490 -47.08 -25 Pass 2490 2580 1 RMS 2500.35 20.22 60 Pass 2580 3000 1 RMS 2667.5 -47.47 -25 Pass 3000 12000 1 RMS 11900.989 -49.14 -25 Pass 12000 26500 1 RMS 26450.997 -25.87 -25 Pass 30 - 20 - 20 - 30 - 40 - 40 - 50 - 60 - 60 - 60 - 60 - 60 - 60 - 6	0.0			0.01	-54.4	-25	Pass	601		
1000	С	0.15	30	0.01	RMS	0.15	-53.02	-25	Pass	2985
2490		30	1000	0.1	RMS	874.787	-59.33	-25	Pass	9700
2580 3000 1 RMS 2667.5 -47.47 -25 Pass 3000 12000 1 RMS 11900.989 -49.14 -25 Pass 12000 26500 1 RMS 26450.997 -25.87 -25 Pass 30 - 20 - 10 - 0102030405060 -				1						1490
3000 12000 1 RMS 11900.989 -49.14 -25 Pass 12000 26500 1 RMS 26450.997 -25.87 -25 Pass 30 - 20 - 10 - 010 - 0405060				1						601
12000 26500 1 RMS 26450.997 -25.87 -25 Pass 30 -										601
30- 20- 10- 0- -10- (\overline{\text{W}} -20- -30- -40- -50- -60-										9000
20- 10- 0- -10- (Egp) -30- -40- -50- -60-		000	26500	1	RMS	26450.997	-25.87	-25	Pass	14500
-80- 0.009 2500 5000 7500 10000 12500 15000 17500 20000 22500 Frequency(MHz)	10- 0- -10- (Wg -20- -30- -40- -50- -60- -70- -80-	09		7500			17500 20	0000 22	500	26500



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

Start Frequency (MHz)	ncy Frequency RE		Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-54.1	-25	Pass	601
0.18	5 30	0.01	RMS	0.15	-52.47	-25	Pass	2985
30	1000	0.1	RMS	899.79	-59.36	-25	Pass	9700
1000	2490	1	RMS	2486.998	-47.08	-25	Pass	1490
2490	2580	1	RMS	2504.7	20.21	60	Pass	601
2580	3000	1	RMS	2671.7	-47.49	-25	Pass	601
3000		1	RMS	11900.989	-49.1	-25	Pass	9000
30-	26500	1	RMS	26453.997	-25.76	-25	Pass	14500
20- 10- 0- -10- (<u>Rag</u> -20- -30- -40- -50- -60- -70- -80- 0.009	2500 5000	7500			17500 20	0000 22	500	26500
				iency(MHz)				



1.5. LTE Transmitter Spurious Emissions(NTNV)(Subtest:5, Channel:21100, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Fi	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	0.01	-54.28	-25	Pass	601
	0.15 30		0.01	RMS	0.15	-52	-25	Pass	2985
	30	1000	0.1	RMS	920.092	-59.36	-25	Pass	9700
	1000	2490	1	RMS	2427.958	-47.02	-25	Pass	1490
	2490	2580	1	RMS	2532.9	21.66	60	Pass	601
	2580	3000	1	RMS	2669.6	-47.41	-25	Pass	601
	3000	12000	1	RMS	11900.989	-49.08	-25	Pass	9000
Level(dBm)	30- 20- 10- 0- -10- -20- -30- -40- -50- -60- -70- -80- 0.009	2000	40		6000	8000	100	00	12000
	0.009	2000	40		6000 iency(MHz)	8000	100	00	12000



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

Freque	Start Stop quency Frequency MHz) (MHz)		RBW (MHz) Detector		Frequency (MHz)		Power (dBm)	Limit (dBm)	Verdict	Sweep Point	
	0.009	C	.15	0.001	RMS	0	0.01		-25	Pass	601
	0.15		30	0.01	RMS	0	.15	-52.53	-25	Pass	2985
	30	10	000	0.1	RMS	903	.39	-59.11	-25	Pass	9700
	1000	24	490	1	RMS	2432.9	962	-47.03	-25	Pass	1490
	2490	2	580	1	RMS	253	7.1	21.56	60	Pass	601
	2580	30	000	1	RMS	266	8.2	-47.37	-25	Pass	601
	3000	120	000	1	RMS	11899.9	989	-49.05	-25	Pass	9000
30	2000	26	500	1	RMS	26456.9	997	-25.81	-25	Pass	14500
20· 10· 0· -10· (mgp) -30· -40· -50· -60· -70· -80·		2500 50	000	7500	10000 12	2500 1500	200	17500 20	0000 22	500	26500
0.	009	2300 30	00	7300		zoou 1500 uency(MH:		1/300 20	22	300	20300



1.7. LTE Transmitter Spurious Emissions(NTNV)(Subtest:8, Channel:21100, Bandwidth:5, Modulation:16QAM, RB Number: 1, RB Position:LOW)

Start Stop requency Frequency (MHz) (MHz)			Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009 0.15 0.001				0.009	-53.49	-25	Pass	601
0.15	30	0.01	RMS	0.15	-51.58	-25	Pass	2985
30 1000		0.1	RMS	881.488	-59.25	-25	Pass	9700
1000	2490	1	RMS	2430.96	-46.98	-25	Pass	1490
2490	2580	1	RMS	2532.9	20.82	60	Pass	601
2580	3000	1	RMS	2691.3	-47.41	-25	Pass	601
3000	12000	1	RMS	11899.989	-49.1	-25	Pass	9000
2000	26500	1	RMS	26455.997	-25.74	-25	Pass	14500
000	2500 5000	7500	10000 12	2500 15000	17500 20	0000 22	500	26500
109	2300 3000	/500			1/500 20	0000 22	300	20500
	ncy (a) 0.009 0.15 30 1000 2580 3000 2000	Frequency (MHz) 0.009	Frequency (MHz) (M	Frequency (MHz) Detector (MHZ) Det	Frequency (MHz)	Frequency (MHz)	Frequency (MHz) Detector (MHz) Power (dBm) (dBm) (dBm)	Frequency (MHz)



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



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	-54.21	-25	Pass	601
0.15	30	0.01	RMS	0.15	-52.09	-25	Pass	2985
30	1000	0.1	RMS	875.587	-59.35	-25	Pass	9700
1000	2490	1	RMS	2430.96	-47.09	-25	Pass	1490
2490	2580	1	RMS	2565.3	21.71	60	Pass	601
2580	3000	1	RMS	2671	-47.07	-25	Pass	601
3000	12000	1	RMS	11899.989	-49.04	-25	Pass	9000
12000 30-	26500	1	RMS	26447.996	-25.76	-25	Pass	14500
20- 10- 0- -10- (\bar{Wg}) -20- -30- -40- -50- -60- -70- -80-								
0.009	2500 5000	7500		1500 15000 iency(MHz)	17500 20	0000 22	500	26500



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	-54.39	-25	Pass	601
0.15	30	0.01	RMS	0.15	-52.34	-25	Pass	2985
30	30 1000		RMS	896.689	-59.24	-25	Pass	9700
1000	2490	1	RMS	2434.963	-47.1	-25	Pass	1490
2490	2580	1	RMS	2569.65	21.76	60	Pass	601
2580	3000	1	RMS	2694.8	-47.46	-25	Pass	601
3000	12000	1	RMS	11899.989	-49.04	-25	Pass	9000
12000 30-	26500	1	RMS	26459.997	-25.73	-25	Pass	14500
20- 10- 0- -10- (<u>wg</u>) -20- -30- -40- -50- -60- -70- -80- 0.009	2500 5000	7500		2500 15000 Jency(MHz)	17500 20	0000 22	500	26500



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	0.01	-53.67	-25	Pass	601
0.15	30	0.01	RMS	0.15	-52.51	-25	Pass	2985
30	1000	0.1	RMS	914.891	-59.24	-25	Pass	9700
1000	2490	1	RMS	2438.966	-47.08	-25	Pass	1490
2490	2580	1	RMS	2565.3	20.64	60	Pass	601
2580	3000	1	RMS	2668.9	-47.5	-25	Pass	601
3000	12000	1	RMS	11898.989	-49.02	-25	Pass	9000
12000 30-	26500	1	RMS	26445.996	-25.71	-25	Pass	14500
20- 10- 0- -10- (\text{\text{Wgp}}\) -30- -40- -50- -60- -70- -80- 0.009	2500 5000	7500		2500 15000 Jency(MHz)	17500 20	0000 22	500	26500



1.12. LTE Transmitter Spurious Emissions(NTNV)(Subtest:13, Channel:21425, Bandwidth:5, Modulation:16QAM, RB Number: 1, RB Position:HIGH)

Start Frequer (MHz)	ncy Frequency		RBW (MHz)	De	tector	Freque (MHz	•	Power (dBm)	Limit (dBm)	Verdict	Sweep Point	
0.	0.009 0.15 0.001 RMS				/IS	0	.009	-53.52	-25	Pass	601	
	0.15		30	0.01	R۱	/IS		0.15	-53.09	-25	Pass	2985
	30 1000		1000	0.1	R۱	/IS	954	.695	-59.28	-25	Pass	9700
1	1000		2490	1	R۱	/IS	2428	.959	-47.08	-25	Pass	1490
2	2490		2580	1	R۱	/IS	256	9.65	20.78	60	Pass	601
2	2580 3000					/IS	26	66.1	-47.47	-25	Pass	601
3	3000		12000	1	R۱	//S	11899	.989	-49.04	-25	Pass	9000
12 30-r	2000		26500	1	R۱	//S	26449	.997	-25.69	-25	Pass	14500
20- 10- 0- -10- (mg-20- -30- -40- -50- -60- -70-		***	~~~	~~~~	Partie No.				New York			~~~
0.0	09	2500	5000	7500	100		500 150		17500 20	0000 22	500	26500
						Frequ	iency(Mł	Hz)				



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

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-54.27	-25	Pass	601
0.15	30	0.01	RMS	0.15	-52.37	-25	Pass	2985
30	1000	0.1	RMS	945.094	-59.29	-25	Pass	9700
1000	2490	1	RMS	2482.995	-45.3	-25	Pass	1490
2490	2580	1	RMS	2500.65	21.08	60	Pass	601
2580	3000	1	RMS	2669.6	-47.31	-25	Pass	601
3000	12000	1	RMS	11900.989	-48.95	-25	Pass	9000
12000 30-	26500	1	RMS	26455.997	-25.64	-25	Pass	14500
20- 10- 0- -10- (Egp) -30- -30- -40- -50- -60- -70- -80- 0.009	2500 5000	7500		2500 15000 ency(MHz)	17500 20	0000 22	500	26500



1.14. LTE Transmitter Spurious Emissions(NTNV)(Subtest:15, Channel:20800, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

0.15	0.004		(MHz)	(dBm)	(dBm)	Verdict	Point
	0.001	RMS	0.009	-54.12	-25	Pass	601
30	0.01	RMS	0.15	-52.54	-25	Pass	2985
1000	0.1	RMS	899.19	-59.21	-25	Pass	9700
2490	1	RMS	2490	-46.76	-25	Pass	1490
2580	1	RMS	2509.35	21.17	60	Pass	601
3000	1	RMS	2668.9	-47.32	-25	Pass	601
12000	1	RMS	11897.989	-49.01	-25	Pass	9000
26500	1	RMS	26451.997	-25.58	-25	Pass	14500
2500 5000	7500			17500 20	0000 22	500	26500
	2490 2580 3000 12000 26500	1000 0.1 2490 1 2580 1 3000 1 12000 1 26500 1	1000 0.1 RMS 2490 1 RMS 2580 1 RMS 3000 1 RMS 12000 1 RMS 26500 1 RMS 26500 1 RMS	1000 0.1 RMS 899.19 2490 1 RMS 2490 2580 1 RMS 2509.35 3000 1 RMS 2668.9 12000 1 RMS 11897.989 26500 1 RMS 26451.997	1000 0.1 RMS 899.19 -59.21 2490 1 RMS 2490 -46.76 2580 1 RMS 2509.35 21.17 3000 1 RMS 2668.9 -47.32 12000 1 RMS 11897.989 -49.01 26500 1 RMS 26451.997 -25.58	1000 0.1 RMS 899.19 -59.21 -25 2490 1 RMS 2490 -46.76 -25 2580 1 RMS 2509.35 21.17 60 3000 1 RMS 2668.9 -47.32 -25 12000 1 RMS 11897.989 -49.01 -25 26500 1 RMS 26451.997 -25.58 -25	1000 0.1 RMS 899.19 -59.21 -25 Pass 2490 1 RMS 2490 -46.76 -25 Pass 2580 1 RMS 2509.35 21.17 60 Pass 3000 1 RMS 2668.9 -47.32 -25 Pass 12000 1 RMS 11897.989 -49.01 -25 Pass 26500 1 RMS 26451.997 -25.58 -25 Pass 2500 5000 7500 10000 12500 15000 17500 20000 22500



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

Start Frequence (MHz)	су	Stop Frequency (MHz)	,	RBW (MHz)	Detector	Freque (MHz	•	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.0	009	0.1	5	0.001	RMS	0	.009	-53.28	-25	Pass	601
0).15	3	30	0.01	RMS		0.16	-52.96	-25	Pass	2985
	30	100	00	0.1	RMS	895	.589	-59.33	-25	Pass	9700
10	000	249	0	1	RMS	2482	.995	-45.58	-25	Pass	1490
24	490	258	30	1	RMS	250	0.65	20.15	60	Pass	601
25	580	300	00	1	RMS	26	66.8	-47.34	-25	Pass	601
30	000	1200	00	1	RMS	11899	.989	-49	-25	Pass	9000
30-r	000	2650	00	1	RMS	26457	.997	-25.61	-25	Pass	14500
20- 10- 0- -10- (mg -20- -30- -40- -50- -60- -70- -80-								**\u_\			~~~~
0.00	09 2	500 500	0	7500		500 150		17500 20	0000 22	500	26500
0.00)9 2	500 500	0	/500		!500 150 iency(Mł		1/500 20	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
0.00	9 0.15	0.001	RMS	0.009	-54.66	-25	Pass	601
0.1	5 30	0.01	RMS	0.15	-52.26	-25	Pass	2985
3	1000	0.1	RMS	872.287	-59.17	-25	Pass	9700
100	2490	1	RMS	2490	-46.71	-25	Pass	1490
249	2580	1	RMS	2509.35	20.48	60	Pass	601
258	3000	1	RMS	2692	-47.34	-25	Pass	601
300	12000	1	RMS	11900.989	-48.97	-25	Pass	9000
1200 30-	26500	1	RMS	26453.997	-25.58	-25	Pass	14500
20- 10- 0- -10- (mg-20- -30- -40- -50- -60- -70- -80- 0.009	2500 5000	7500	10000 12	2500 15000	17500 20	0000 22	500	26500
0.000	2555 5556	, 500		iency(MHz)	2,000 20			20000



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

Fre	Start quency MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
	0.009	0.15	0.001	RMS	0.009	-53.6	-25	Pass	601
	0.15	30	0.01	RMS	0.15	-52.62	-25	Pass	2985
	30	1000	0.1	RMS	878.187	-59.12	-25	Pass	9700
	1000	2490	1	RMS	2435.964	-46.99	-25	Pass	1490
	2490	2580	1	RMS	2530.65	21.54	60	Pass	601
	2580	3000	1	RMS	2668.9	-47.33	-25	Pass	601
	3000	12000	1	RMS	11899.989	-48.92	-25	Pass	9000
	12000	26500	1	RMS	26452.997	-25.63	-25	Pass	14500
Level(dBm)	20- 10- 0- 10- 20- 30- 40- 50- 60- 70- 80- 0.009	2500 5000	7500			17500 20	0000 22	500	26500
				Frequ	iency(MHz)				



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	-53.68	-25	Pass	601
0.15	30	0.01	RMS	0.15	-51.65	-25	Pass	2985
30	1000	0.1	RMS	925.392	-59.31	-25	Pass	9700
2490	2580	1	RMS	2539.35	21.57	60	Pass	601
2580	3000	1	RMS	2692	-47.38	-25	Pass	601
3000	12000	1	RMS	11898.989	-48.99	-25	Pass	9000
12000	26500	1	RMS	26451.997	-25.66	-25	Pass	14500
20- 10- 0- -10- (mgp)-30- -40- -50- -60- -70- -80- 0.009	2500 5000	7500		500 15000 lency(MHz)	17500 20	0000 22	500	26500



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

Start Frequency (MHz)	ency Frequency	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.009 0.15	0.001	RMS	0.009	-53.82	-25	Pass	601
0.15	0.15 30	0.01	RMS	0.15	-51.69	-25	Pass	2985
30	30 1000	0.1	RMS	897.289	-59.39	-25	Pass	9700
1000	1000 2490	1	RMS	2429.96	-46.99	-25	Pass	1490
2490	2490 2580	1	RMS	2530.65	20.67	60	Pass	601
2580	2580 3000	1	RMS	2693.4	-47.34	-25	Pass	601
3000		1	RMS	11899.989		-25	Pass	9000
12000 30-		1	RMS	26460.997	-25.61	-25	Pass	14500
20- 10- 0- -10- (\hat{WB}) -20- -30- -40- -50- -60- -70- -80-		7500	10000 10		17500 2	2000 22		~~~~
0.009	.009 2500 5000	7500			17500 20	0000 22	500	26500
-40 - -50 - -60 -		7500		500 15000 lency(MHz)	17500 20	0000 22	500	26



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

Start Frequer (MHz)	псу	Frequ	op uency Hz)	RBW (MHz)	Detector	Freque (MHz	_	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0	.009		0.15	0.001	RMS		0.01	-53.85	-25	Pass	601
,	0.15		30	0.01	RMS		0.16	-53.02	-25	Pass	2985
	30		1000	0.1	RMS	90	4.59	-59.09	-25	Pass	9700
1	1000		2490	1	RMS	2432	.962	-47.02	-25	Pass	1490
2	2490		2580	1	RMS	253	9.35	20.66	60	Pass	601
2	2580		3000	1	RMS	26	67.5	-47.35	-25	Pass	601
	3000		12000	1	RMS	11898	.989	-48.94	-25	Pass	9000
12 30-r	2000		26500	1	RMS	26455	.997	-25.65	-25	Pass	14500
20- 10- 0- -10- (mg/g) -30- -30- -40- -50- -60- -70- -80-		***								~~~	A
0.0	09	2500	5000	7500		500 150		17500 20	0000 22	500	26500
					Frequ	iency(Mł	Hz)				



1.21. LTE Transmitter Spurious Emissions(NTNV)(Subtest:24, Channel:21400, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

0.009 0.15 30 1000 2490 2580 3000 12000 30- 20- 10- 010- (Egp) -30-	0.15 30 1000 2490 2580 3000 12000 26500	0.001 0.01 0.1 1 1 1 1	RMS RMS RMS RMS RMS RMS RMS RMS RMS	0.01 0.15 896.789 2487.999 2560.65 2692.7 11899.989 26455.997	-53.58 -51.41 -59.11 -46.9 21.41 -47.36 -48.84 -25.68	-25 -25 -25 -25 60 -25 -25	Pass Pass Pass Pass Pass Pass	601 2985 9700 1490 601 601 9000
30 1000 2490 2580 3000 12000 30- 20- 10- 0- -10- (\bar{kg} -20-	1000 2490 2580 3000 12000	0.1 1 1 1	RMS RMS RMS RMS RMS	896.789 2487.999 2560.65 2692.7 11899.989	-59.11 -46.9 21.41 -47.36 -48.84	-25 -25 60 -25 -25	Pass Pass Pass Pass Pass	9700 1490 601 601
1000 2490 2580 3000 12000 30- 20- 10- 0- -10- (Eg) -30-	2490 2580 3000 12000	1 1 1	RMS RMS RMS RMS	2487.999 2560.65 2692.7 11899.989	-46.9 21.41 -47.36 -48.84	-25 60 -25 -25	Pass Pass Pass Pass	1490 601 601
2490 2580 3000 12000 30- 20- 10- 0- -10- (\overline{\text{W}} -20-	2580 3000 12000	1 1 1	RMS RMS RMS	2560.65 2692.7 11899.989	21.41 -47.36 -48.84	60 -25 -25	Pass Pass Pass	601 601
2580 3000 12000 30- 20- 10- 0- -10- (wgp) -30-	3000 12000	1	RMS RMS	2692.7 11899.989	-47.36 -48.84	-25 -25	Pass Pass	601
3000 12000 30- 20- 10- 0- -10- (\(\mathbb{W}\) -20-	12000	1	RMS	11899.989	-48.84	-25	Pass	
12000 30- 20- 10- 0- -10- (mgp) -30-								9000
30- 20- 10- 0- -10- (mg/p)-30-	26500	1	RMS	26455.997	-25.68	-25		
20- 10- 0- -10- -30-							Pass	14500
-40 -50 -60 -70 -80 -0.009 25		7500		500 15000 iency(MHz)	17500 20	0000 22	500	26500



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

Fre	Start equency (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	-54.86	-25	Pass	601
	0.15	30	0.01	RMS	0.15	-52.35	-25	Pass	2985
	30	1000	0.1	RMS	909.391	-59.2	-25	Pass	9700
	1000	2490	1	RMS	2426.958	-46.99	-25	Pass	1490
	2490	2580	1	RMS	2569.35	21.81	60	Pass	601
	2580	3000	1	RMS	2587	-44.82	-25	Pass	601
	3000	12000	1	RMS	11900.989	-48.98	-25	Pass	9000
	12000	26500	1	RMS	26452.997	-25.68	-25	Pass	14500
Level(dBm)	20- 10- 0- -10- -20- -30- -40- -50- -70- -80- 0.009	2500 5000	7500	10000 12	2500 15000	17500 20	0000 22	500	26500
				Frequ	iency(MHz)				



1.23. LTE Transmitter Spurious Emissions(NTNV)(Subtest:26, Channel:21400, Bandwidth:10, Modulation:16QAM, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-53.93	-25	Pass	601
0.15	30	0.01	RMS	0.15	-52.64	-25	Pass	2985
30	1000	0.1	RMS	938.094	-59.23	-25	Pass	9700
1000	2490	1	RMS	2436.964	-46.99	-25	Pass	1490
2490	2580	1	RMS	2560.65	20.66	60	Pass	601
2580	3000	1	RMS	2668.9	-47.37	-25	Pass	601
3000	12000	1	RMS	11899.989	-48.97	-25	Pass	9000
12000 30-	26500	1	RMS	26451.997	-25.64	-25	Pass	14500
20- 10- 0- -10- (mg -20- -30- -40- -50- -60- -70- -80- 0.009	2500 5000	7500		2500 15000 ency(MHz)	17500 20	0000 22	500	26500



1.24. 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	-54.47	-25	Pass	601
0.15	30	0.01	RMS	0.15	-52.35	-25	Pass	2985
30	1000	0.1	RMS	900.69	-59.06	-25	Pass	9700
1000	2490	1	RMS	2432.962	-46.97	-25	Pass	1490
2490	2580	1	RMS	2569.35	20.92	60	Pass	601
2580	3000	1	RMS	2587	-44.81	-25	Pass	601
3000	12000	1	RMS	11899.989	-48.95	-25	Pass	9000
12000 30-	26500	1	RMS	26459.997	-25.64	-25	Pass	14500
20- 10- 0- -10- (mg/g) -30- -30- -40- -50- -60- -70- -80- 0.009	2500 5000	7500	10000 12	2500 15000	17500 20	0000 22	500	~~~
0.009	2300 3000	7500		iency(MHz)	1/300 20	0000 22	300	26500



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

0.009 0.15 30 1000 2490	0.15 30	0.001			(dBm)	(dBm)	Verdict	Point
30 1000	30		RMS	0.01	-54.07	-25	Pass	601
1000		0.01	RMS	0.15	-53.37	-25	Pass	2985
	1000	0.1	RMS	922.792	-59.24	-25	Pass	9700
2490	2490	1	RMS	2487.999	-44.34	-25	Pass	1490
2430	2580	1	RMS	2500.8	21.25	60	Pass	601
2580	3000	1	RMS	2667.5	-47.35	-25	Pass	601
3000	12000	1	RMS	11899.989	-48.88	-25	Pass	9000
12000	26500	1	RMS	26453.997	-25.64	-25	Pass	14500
20- 10- 0- -10- (Eqp) -30- -30- -40- -50- -60- -70- -80- 0.009	2500 5000	7500		500 15000 lency(MHz)	17500 20	0000 22	500	26500



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

Fred	Start quency 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	-52.76	-25	Pass	2985
	30	1000	0.1	RMS	897.489	-59.27	-25	Pass	9700
	1000	2490	1	RMS	2487.999	-33.43	-25	Pass	1490
	2490	2580	1	RMS	2514.15	20.75	60	Pass	601
	2580	3000	1	RMS	2692	-47.31	-25	Pass	601
	3000	12000	1	RMS	11898.989	-48.92	-25	Pass	9000
	12000 30-	26500	1	RMS	26462.997	-25.71	-25	Pass	14500
Level(dBm)	20- 10- 0- 10- 20- 30- 40- 50- 60- 70- 80- 0.009	2500 5000	7500			17500 20	0000 22	500	26500
				Frequ	iency(MHz)				



1.27. LTE Transmitter Spurious Emissions(NTNV)(Subtest:30, Channel:20825, 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	-53.68	-25	Pass	601
0.15	30	0.01	RMS	0.15	-52.52	-25	Pass	2985
30	1000	0.1	RMS	877.587	-59.2	-25	Pass	9700
1000	2490	1	RMS	2487.999	-45.12	-25	Pass	1490
2490	2580	1	RMS	2500.8	20.32	60	Pass	601
2580	3000	1	RMS	2668.9	-47.37	-25	Pass	601
3000	12000	1	RMS	11898.989	-49.01	-25	Pass	9000
12000 30-	26500	1	RMS	26450.997	-25.65	-25	Pass	14500
20- 10- 0- -10- (mg/qBm) -30- -30- -40- -50- -60- -70- -80- 0.009	2500 5000	7500			17500 20	0000 22	500	26500
			Frequ	iency(MHz)				



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

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-54.41	-25	Pass	601
0.15	30	0.01	RMS	0.15	-53.29	-25	Pass	2985
30	1000	0.1	RMS	890.289	-59.09	-25	Pass	9700
1000	2490	1	RMS	2487.999	-33.04	-25	Pass	1490
2490	2580	1	RMS	2514.15	20.36	60	Pass	601
2580	3000	1	RMS	2692	-47.37	-25	Pass	601
3000	12000	1	RMS	11898.989	-48.96	-25	Pass	9000
12000 30-	26500	1	RMS	26453.997	-25.65	-25	Pass	14500
20- 10- 0- -10- (Egp) -30- -30- -40- -50- -60- -70- -80- 0.009	2500 5000	7500		2500 15000 Jency(MHz)	17500 20	0000 22	500	26500



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

Start Frequei (MHz	ncy	Frequ	op uency Hz)	RBV (MH		Detec	tor	Freque (MHz	•	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0	0.009		0.15	0.00	01	RMS		0	.009	-54.43	-25	Pass	601
	0.15		30	0.0	01	RMS			0.15	-52.81	-25	Pass	2985
	30		1000	0	1.1	RMS		908	.891	-59.13	-25	Pass	9700
	1000		2490		1	RMS		242	9.96	-46.96	-25	Pass	1490
2	2490		2580		1	RMS		25	28.4	20.88	60	Pass	601
2	2580		3000		1	RMS		26	68.9	-47.34	-25	Pass	601
	3000		12000		1	RMS		11897		-48.99	-25	Pass	9000
30-	2000		26500		1	RMS		26455	.997	-25.64	-25	Pass	14500
20 - 10 - 0 - -10 - (Mg -20 - -30 - -40 - -50 - -60 - -70 - -80 -	•	2500		~~~~		10000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			***************************************			25500
0.0	009	2500	5000	750	0					17500 20	0000 22	500	26500
-60 - -70 - -80 -	•	2500	5000	7500	0	10000 Fr		500 150 ency(Mi		17500 20	0000 22	500	2650



1.30. LTE Transmitter Spurious Emissions(NTNV)(Subtest:33, Channel:21100, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:HIGH)

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	-54.31	-25	Pass	601
0.15	30	0.01	RMS	0.15	-51.87	-25	Pass	2985
30	1000	0.1	RMS	888.388	-59.29	-25	Pass	9700
1000	2490	1	RMS	2430.96	-47	-25	Pass	1490
2490	2580	1	RMS	2541.6	21.55	60	Pass	601
2580	3000	1	RMS	2667.5	-47.36	-25	Pass	601
3000	12000	1	RMS	11901.989	-48.98	-25	Pass	9000
20- 10- 0- -10- -20- -30- -40- -50- -60- -70- -80-	2000	~~~~	00	6000	2000	100		12000
0.009	2000	40			8000	100	00	12000
	equency (MHz) 0.009 0.15 30 1000 2490 2580 3000 30- 20- 10- 0- -10- -20- -30- -40- -50- -60- -70-	equency (MHz) 0.009 0.15 0.15 30 30 1000 1000 2490 2490 2580 3000 3000 3000 12000 30 -10 -0 -10 -20 -30 -40 -50 -60 -70 -80	Frequency (MHz)	Pequency (MHz)	Frequency (MHz)	equency (MHz) Frequency (MHz) RBW (MHz) Detector (MHz) Frequency (MHz) Power (dBm) 0.009 0.15 0.001 RMS 0.009 -54.31 0.15 30 0.01 RMS 0.15 -51.87 30 1000 0.1 RMS 888.388 -59.29 1000 2490 1 RMS 2430.96 -47 2490 2580 1 RMS 2541.6 21.55 2580 3000 1 RMS 11901.989 -48.98 30	equency (MHz) Frequency (MHz) RBW (MHz) Detector (MHz) Frequency (MHz) Power (dBm) Limit (dBm) 0.009 0.15 0.001 RMS 0.009 -54.31 -25 0.15 30 0.01 RMS 0.15 -51.87 -25 30 1000 0.1 RMS 888.388 -59.29 -25 1000 2490 1 RMS 2430.96 -47 -25 2490 2580 1 RMS 2541.6 21.55 60 2580 3000 1 RMS 11901.989 -48.98 -25 300 12000 1 RMS 11901.989 -48.98 -25 300 -40 -50	equency (MHz) Frequency (MHz) RBW (MHz) Detector (MHz) Frequency (MHz) Power (dBm) Limit (dBm) Verdict (dBm) 0.009 0.15 0.001 RMS 0.009 -54.31 -25 Pass 0.15 30 0.01 RMS 0.15 -51.87 -25 Pass 30 1000 0.1 RMS 888.388 -59.29 -25 Pass 1000 2490 1 RMS 2430.96 -47 -25 Pass 2490 2580 1 RMS 2541.6 21.55 60 Pass 2580 3000 1 RMS 2667.5 -47.36 -25 Pass 3000 12000 1 RMS 11901.989 -48.98 -25 Pass 300 -40 -50 -60 -60 -70 -80 -80 -80 10000 10000



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

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-53.62	-25	Pass	601
0.15	30	0.01	RMS	0.15	-51.87	-25	Pass	2985
30	1000	0.1	RMS	893.389	-59.23	-25	Pass	9700
1000	2490	1	RMS	2425.957	-46.99	-25	Pass	1490
2490	2580	1	RMS	2528.4	20.08	60	Pass	601
2580	3000	1	RMS	2691.3	-47.4	-25	Pass	601
3000	12000	1	RMS	11898.989	-48.95	-25	Pass	9000
12000	26500	1	RMS	26454.997	-25.7	-25	Pass	14500
20- 10- 0- -10- (EMB) -20- -30- -40- -50- -60- -70- -80- 0.009	2500 5000	7500	10000 12	2500 15000	17500 20	0000 22	500	26500
				iency(MHz)				



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

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-54.37	-25	Pass	601
0.15	30	0.01	RMS	0.15	-52.44	-25	Pass	2985
30	1000	0.1	RMS	910.491	-59.22	-25	Pass	9700
1000	2490	1	RMS	2430.96	-47.14	-25	Pass	1490
2490	2580	1	RMS	2541.6	20.43	60	Pass	601
2580	3000	1	RMS	2671	-47.08	-25	Pass	601
3000	12000	1	RMS	11898.989	-49.08	-25	Pass	9000
12000 30-	26500	1	RMS	26448.996	-25.75	-25	Pass	14500
20- 10- 0- -10- (\bullet \text{QP}) -30- -30- -40- -50- -60- -70- -80- 0.009	2500 5000	7500		2500 15000 ency(MHz)	17500 20	0000 22	500	26500



1.33. 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	0.009	-54.17	-25	Pass	601
0.15	30	0.01	RMS	0.16	-53.52	-25	Pass	2985
30	1000	0.1	RMS	942.794	-59.38	-25	Pass	9700
1000	2490	1	RMS	2436.964	-47.09	-25	Pass	1490
2490	2580	1	RMS	2555.85	21.16	60	Pass	601
2580	3000	1	RMS	2582.8	-30.42	-25	Pass	601
3000	12000	1	RMS	11900.989	-49.07	-25	Pass	9000
12000 30-	26500	1	RMS	26458.997	-25.72	-25	Pass	14500
20- 10- 0- -10- (\(\begin{align*} \text{P} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	2500 5000	7500			17500 20	0000 22	500	26500
			Frequ	iency(MHz)				



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

Star Freque (MH	ency	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
	0.009	0.15	0.001	RMS	0.009	-53.94	-25	Pass	601
	0.15	30	0.01	RMS	0.16	-52.84	-25	Pass	2985
	30	1000	0.1	RMS	908.791	-59.33	-25	Pass	9700
	1000	2490	1	RMS	2432.962	-47.07	-25	Pass	1490
	2490	2580	1	RMS	2569.2	22.01	60	Pass	601
	2580	3000	1	RMS	2582.8	-39.15	-25	Pass	601
	3000	12000	1	RMS	11897.989	-49.11	-25	Pass	9000
30	12000	26500	1	RMS	26461.997	-25.73	-25	Pass	14500
20: 10: 0: -10: (mgp) -30: -30: -40: -50: -60: -70: -80: 0.		2500 5000	7500			17500 20	0000 22	500	26500
				Frequ	iency(MHz)				



1.35. 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	-53.43	-25	Pass	601
0.15	30	0.01	RMS	0.16	-52.63	-25	Pass	2985
30	1000	0.1	RMS	998	-59.27	-25	Pass	9700
1000	2490	1	RMS	2439.966	-47.11	-25	Pass	1490
2490	2580	1	RMS	2555.85	20.6	60	Pass	601
2580	3000	1	RMS	2582.8	-29.79	-25	Pass	601
3000	12000	1	RMS	11898.989	-49.06	-25	Pass	9000
12000	26500	1	RMS	26451.997	-25.68	-25	Pass	14500
20- 10- 0- -10- (Mg -20- -30- -40- -50- -60- -70- -80- 0.009	2500 5000	7500	10000 12	2500 15000	17500 20	0000 22	500	26500
				iency(MHz)				



1.36. 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	0.01	-54.22	-25	Pass	601
0.15	30	0.01	RMS	0.15	-52.09	-25	Pass	2985
30	1000	0.1	RMS	895.389	-59.2	-25	Pass	9700
1000	2490	1	RMS	2425.957	-47.09	-25	Pass	1490
2490	2580	1	RMS	2569.2	20.95	60	Pass	601
2580	3000	1	RMS	2582.8	-46.4	-25	Pass	601
3000	12000	1	RMS	11902.989	-49.08	-25	Pass	9000
12000 30-	26500	1	RMS	26456.997	-25.78	-25	Pass	14500
20- 10- 0- -10- (Egp) -30- -30- -40- -50- -60- -70- -80- 0.009	2500 5000	7500		500 15000 lency(MHz)	17500 20	0000 22	500	26500



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

Sta Frequ (MI	iency	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
	0.009	0.15	0.001	RMS	0.009	-54.02	-25	Pass	601
	0.15	30	0.01	RMS	0.15	-52.69	-25	Pass	2985
	30	1000	0.1	RMS	907.79	-59.04	-25	Pass	9700
	1000	2490	1	RMS	2482.995	-45.7	-25	Pass	1490
	2490	2580	1	RMS	2501.1	21.15	60	Pass	601
	2580	3000	1	RMS	2665.4	-47.06	-25	Pass	601
	3000	12000	1	RMS	11898.989	-49.01	-25	Pass	9000
30	12000	26500	1	RMS	26450.997	-25.75	-25	Pass	14500
-10 -20 -30 -40 -50 -60 -70		2500 5000	7500			17500 20	0000 22	500	26500
				Frequ	iency(MHz)				



-60

-70-

-80-

0.009

2500

5000

1.38. LTE Transmitter Spurious Emissions(NTNV)(Subtest:42, Channel:20850, 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	-54.32	-25	Pass	60
0.15	30	0.01	RMS	0.15	-53.28	-25	Pass	298
30	1000	0.1	RMS	892.189	-59.19	-25	Pass	970
1000	2490	1	RMS	2482.995	-35.8	-25	Pass	149
2490	2580	1	RMS	2518.95	19.85	60	Pass	60
2580	3000	1	RMS	2667.5	-47.08	-25	Pass	60
3000	12000	1	RMS	11899.989	-49.04	-25	Pass	900
12000	26500	1	RMS	26453.997	-25.78	-25	Pass	1450
25- 10- 0- -10- -20- -30-					**\		~~~~	~~~

7500 10000 12500 15000 17500 20000 22500

Frequency(MHz)

26500



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

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-54.11	-25	Pass	601
0.15	30	0.01	RMS	0.15	-52.62	-25	Pass	2985
30	1000	0.1	RMS	964.496	-59.22	-25	Pass	9700
1000	2490	1	RMS	2482.995	-46.37	-25	Pass	1490
2490	2580	1	RMS	2501.1	20.25	60	Pass	601
2580	3000	1	RMS	2692.7	-47.07	-25	Pass	601
3000	12000	1	RMS	11898.989	-49.1	-25	Pass	9000
12000 30-	26500	1	RMS	26457.997	-25.79	-25	Pass	14500
20- 10- 0- -10- (\text{\text{\text{\$MP}}}\text{\text{\$-20-}}\text{\text{\$-30-}}\text{\text{\$-40-}}\text{\text{\$-60-}}\text{\text{\$-70-}}\text{\text{\$-80-}}\text{\$-0.009}	2500 5000	7500		2500 15000 ency(MHz)	17500 20	0000 22	500	26500



-60-

-70-

-80-

0.009

2500

5000

1.40. 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	0.01	-54.45	-25	Pass	60
0.15	30	0.01	RMS	0.15	-51.53	-25	Pass	298
30	1000	0.1	RMS	914.891	-59.26	-25	Pass	970
1000	2490	1	RMS	2482.995	-34.18	-25	Pass	149
2490	2580	1	RMS	2518.95	19.5	60	Pass	60
2580	3000	1	RMS	2670.3	-47.06	-25	Pass	60
3000	12000	1	RMS	11898.989	-49.02	-25	Pass	900
12000	26500	1	RMS	26448.996	-25.78	-25	Pass	1450
25- 10- 0- -10- (Egg -20- -30-					~\			~~~

7500 10000 12500 15000 17500 20000 22500

Frequency(MHz)

26500



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

Free	Start quency MHz)	Frequ	op uency Hz)	RB\		Detect	or	Freque (MHz	•	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
	0.009		0.15	0.0	01	RMS		0	.009	-53.77	-25	Pass	601
	0.15		30	0.	.01	RMS			0.15	-52.84	-25	Pass	2985
	30		1000	(0.1	RMS		933	.893	-59.33	-25	Pass	9700
	1000		2490		1	RMS		2	2490	-44.61	-25	Pass	1490
	2490		2580		1	RMS		252	6.15	20.21	60	Pass	601
	2580		3000		1	RMS		26	66.8	-47.09	-25	Pass	601
	3000		12000		1	RMS		11900	.989	-49.07	-25	Pass	9000
	12000		26500		1	RMS		26452	.997	-25.72	-25	Pass	14500
Level(dBm)	20- 10- 0- 10- 20- 30- 40- 50- 60- 70- 80- 0.009	2500	5000	750	۸۰۰۰	10000				17500 20	0000 22	500	26500
-		2500	5000	750	00					2500 15000 uency(MHz)			



1.42. 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	0.01	-54.5	-25	Pass	601
0.15	30	0.01	RMS	0.15	-51.76	-25	Pass	2985
30	1000	0.1	RMS	905.29	-59.32	-25	Pass	9700
1000	2490	1	RMS	2428.959	-47.11	-25	Pass	1490
2490	2580	1	RMS	2543.85	21.43	60	Pass	601
2580	3000	1	RMS	2580	-43.86	-25	Pass	601
3000	12000	1	RMS	11899.989	-49.07	-25	Pass	9000
12000 30-	26500	1	RMS	26450.997	-25.74	-25	Pass	14500
20- 10- 0- -10- (wgp) -30- -30- -40- -50- -60- -70- -80- 0.009	2500 5000	7500		2500 15000 Jency(MHz)	17500 20	0000 22	500	26500



1.43. 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	-54.19	-25	Pass	601
0.15	30	0.01	RMS	0.15	-52.72	-25	Pass	2985
30	1000	0.1	RMS	901.79	-59.2	-25	Pass	9700
2490	2580	1	RMS	2526.15	19.49	60	Pass	601
2580	3000	1	RMS	2666.8	-47.1	-25	Pass	601
3000	12000	1	RMS	11900.989	-49.02	-25	Pass	9000
12000	26500	1	RMS	26451.997	-25.63	-25	Pass	14500
25- 10- 0- -10-								





1.44. 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	0.009	-53.89	-25	Pass	601
0.15	30	0.01	RMS	0.15	-53.51	-25	Pass	2985
30	1000	0.1	RMS	939.994	-59.27	-25	Pass	9700
1000	2490	1	RMS	2437.965	-47.11	-25	Pass	1490
2490	2580	1	RMS	2543.85	20.48	60	Pass	601
2580	3000	1	RMS	2580	-45.24	-25	Pass	601
3000	12000	1	RMS	11899.989	-49.06	-25	Pass	9000
12000 30-	26500	1	RMS	26453.997	-25.8	-25	Pass	14500
20- 10- 0- -10- (mg -20- -30- -40- -50- -60- -70- -80- 0.009	2500 5000	7500		2500 15000 Dency(MHz)	17500 20	0000 22	500	26500



1.45. 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	0.01	-53.59	-25	Pass	601
0.15	30	0.01	RMS	0.15	-52.15	-25	Pass	2985
30	1000	0.1	RMS	949.495	-59.32	-25	Pass	9700
1000	2490	1	RMS	2433.962	-47.1	-25	Pass	1490
2490	2580	1	RMS	2551.05	21.26	60	Pass	601
2580	3000	1	RMS	2587	-33.18	-25	Pass	601
3000	12000	1	RMS	11896.989	-49.08	-25	Pass	9000
12000 30-	26500	1	RMS	26451.997	-25.79	-25	Pass	14500
20- 10- 0- -10- (mg/g) -30- -30- -40- -50- -60- -70- -80- 0.009	2500 5000	7500	10000 12	2500 15000	17500 20	0000 22	500	26500
0.003	2550 5000	,,,,,		iency(MHz)	2,000 2	22		20000



1.46. 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	0.01	-54.31	-25	Pass	601
0.15	30	0.01	RMS	0.15	-53.01	-25	Pass	2985
30	1000	0.1	RMS	883.988	-59.23	-25	Pass	9700
1000	2490	1	RMS	2426.958	-47.09	-25	Pass	1490
2490	2580	1	RMS	2568.9	22.03	60	Pass	601
2580	3000	1	RMS	2587	-41.05	-25	Pass	601
3000	12000	1	RMS	11899.989	-49.08	-25	Pass	9000
12000 30-	26500	1	RMS	26451.997	-25.79	-25	Pass	14500
20- 10- 0- -10- (\text{\text{WBP}}\) -30- -40- -50- -60- -70- -80- 0.009	2500 5000	7500		2500 15000 ency(MHz)	17500 20	0000 22	500	26500



1.47. LTE Transmitter Spurious Emissions(NTNV)(Subtest:53, Channel:21350, Bandwidth:20, Modulation:16QAM, RB Number: 1, RB Position:LOW)



1.48. 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
0.0	009	0.15		0.00)1	RMS	0.009		-53.17	-25	Pass	601
0.15		30		0.0)1	RMS	0.15		-52.46	-25	Pass	2985
30		1000		0	.1	RMS	946.494		-59.29	-25	Pass	9700
1000		2490		1		RMS	2429.96		-47.12	-25	Pass	1490
2490		2580		1		RMS	2568.9		20.79	60	Pass	601
2580		3000		1		RMS	2587		-46.78	-25	Pass	601
3000		120	12000		1	RMS	11897.989		-49.11	-25	Pass	9000
12000		265	26500		1	RMS	26450.997		-25.73	-25	Pass	14500
20- 10- 0- -10- (Mg -20- -30- -40- -50- -60- -70- -80- 0.00	09 2	2500 50	000	7500	••••	10000 12	2500 150	500	17500 20	0000 22	500	26500
Frequency(MHz)												



END