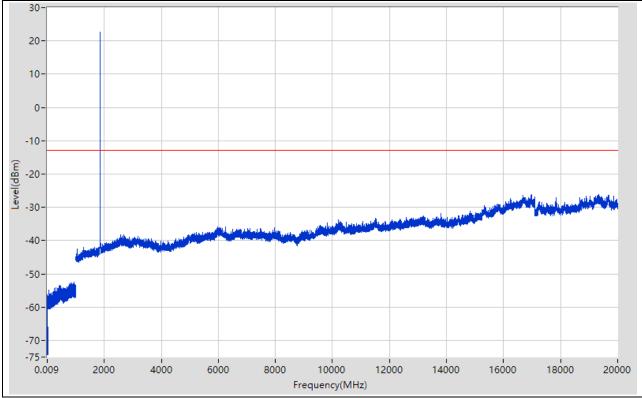


# Annex C. Spurious Emission at Antenna Terminals

#### 1. WCDMA\_Band2

#### 1.1. WCDMA Spurious Emission at Antenna Terminals(NTNV)(Channel:9262)

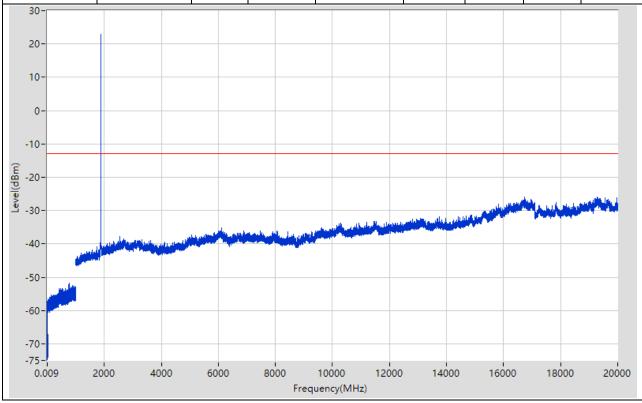
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	Peak	0.102	-63.92	-13	Pass	601
0.15	30	0.01	Peak	0.15	-56.33	-13	Pass	2985
30	1000	0.1	Peak	937.494	-52.57	-13	Pass	9700
1000	3000	1	Peak	1853.427	22.66	-13	Pass	2000
3000	20000	1	Peak	16983.823	-26.27	-13	Pass	17000





#### 1.2. WCDMA Spurious Emission at Antenna Terminals(NTNV)(Channel:9400)

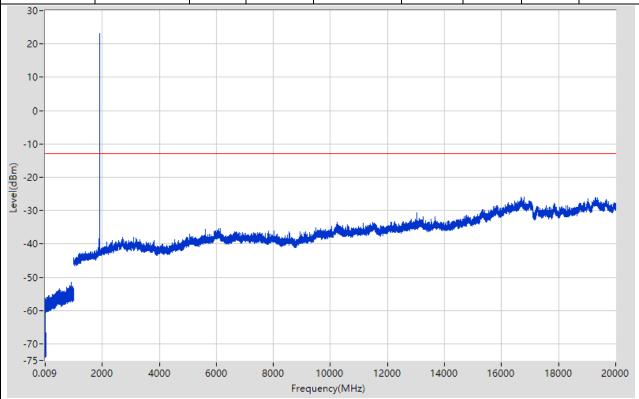
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	Peak	0.123	-65.26	-13	Pass	601
0.15	30	0.01	Peak	0.16	-57.13	-13	Pass	2985
30	1000	0.1	Peak	764.776	-51.77	-13	Pass	9700
1000	3000	1	Peak	1878.439	22.96	-13	Pass	2000
3000	20000	1	Peak	19266.957	-25.9	-13	Pass	17000





#### 1.3. WCDMA Spurious Emission at Antenna Terminals(NTNV)(Channel:9538)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	Peak	0.098	-65.12	-13	Pass	601
0.15	30	0.01	Peak	0.15	-56.32	-13	Pass	2985
30	1000	0.1	Peak	918.292	-51.47	-13	Pass	9700
1000	3000	1	Peak	1906.453	23.17	-13	Pass	2000
3000	20000	1	Peak	16780.811	-25.88	-13	Pass	17000





#### 2. WCDMA\_Band5

Level(dBm) -30-

-40

-50

-60

-70--75-0.009

1000

2000

3000

4000

6000

5000 Frequency(MHz) 7000

8000

9000

10000

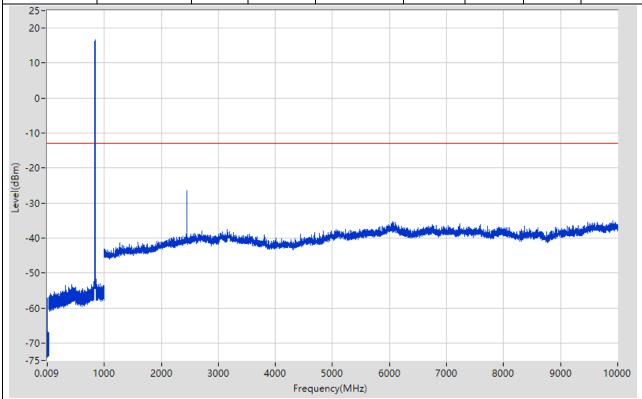
#### 2.1. WCDMA Spurious Emission at Antenna Terminals(NTNV)(Channel:4132)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	Peak	0.012	-64.14	-13	Pass	601
0.15	30	0.01	Peak	0.16	-58.2	-13	Pass	2985
30	500	0.1	Peak	465.993	-52.87	-13	Pass	4700
500	1000	0.1	Peak	847.169	17.93	-13	Pass	5000
1000	10000	1	Peak	9611.957	-34.86	-13	Pass	9000
25- 20- 10- 0-								



#### 2.2. WCDMA Spurious Emission at Antenna Terminals(NTNV)(Channel:4182)

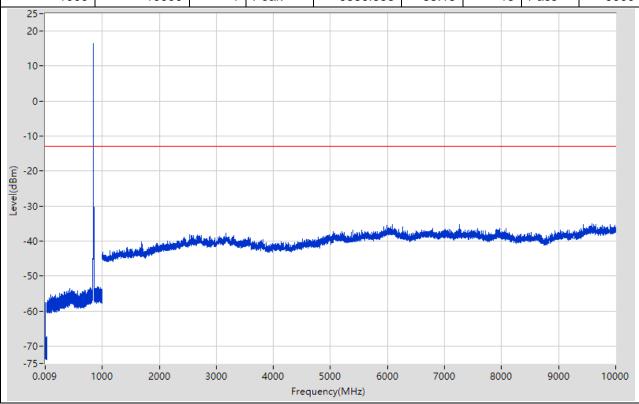
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	Peak	0.107	-64.83	-13	Pass	601
0.15	30	0.01	Peak	0.15	-57.17	-13	Pass	2985
30	500	0.1	Peak	434.886	-53.37	-13	Pass	4700
500	1000	0.1	Peak	837.668	16.67	-13	Pass	5000
1000	10000	1	Peak	2444.16	-26.51	-13	Pass	9000





#### 2.3. WCDMA Spurious Emission at Antenna Terminals(NTNV)(Channel:4233)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	Peak	0.112	-64.54	-13	Pass	601
0.15	30	0.01	Peak	0.17	-57.51	-13	Pass	2985
30	500	0.1	Peak	434.386	-53.55	-13	Pass	4700
500	1000	0.1	Peak	846.169	16.53	-13	Pass	5000
1000	10000	1	Peak	9580.953	-35.13	-13	Pass	9000





#### 3. LTE\_Band2

## 3.1. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:1, Channel:18607, Bandwidth:1.4, Modulation:QPSK, RB Number: 1, RB Position:LOW)

rosition.LC	,,,,							
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	0.021	-70.67	-13	Pass	601
0.15	30	0.01	RMS	0.15	-64.04	-13	Pass	2985
30	1000	0.1	RMS	934.493	-63.23	-13	Pass	9700
1000	1840	1	RMS	1840	-52.5	-13	Pass	840
1840	1920	1	RMS	1850.267	22.39	60	Pass	601
1920	3000	1	RMS	2447.488	-43.9	-13	Pass	1080
3000	12000	1	RMS	11516.946	-44.38	-13	Pass	9000
12000	20000	1	RMS	19315.914	-36.92	-13	Pass	8000
30- 20- 10- 0-								





## 3.2. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:2, Channel:18607, Bandwidth:1.4, Modulation:Q16, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.12	-71.35	-13	Pass	601
0.15	30	0.01	RMS	0.16	-64.57	-13	Pass	2985
30	1000	0.1	RMS	883.988	-63.23	-13	Pass	9700
1000	1840	1	RMS	1840	-52.63	-13	Pass	840
1840	1920	1	RMS	1850.267	21.25	60	Pass	601
1920	3000	1	RMS	2694.717	-49.82	-13	Pass	1080
3000	12000	1	RMS	11534.948	-33.17	-13	Pass	9000
12000	20000	1	RMS	19319.915	-36.95	-13	Pass	8000
20- 10- 010- (a -20304050607080- 0.009 20	000 4000	6000	8000	10000 12000	14000	16000	18000	20000



# 3.3. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:3, Channel:18900, Bandwidth:1.4, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Start Frequenc (MHz)	у	Sto Freque (MH	ency	RBV (MH		De	tector	F	requency (MHz)	,	Power (dBm)		Limit (dBm		Verdict	Sweep Point
0.0	09		0.15	0.0	01	RM	IS		0.11	1	-70.96	3	-1	3	Pass	60′
0.	15		30	0.	01	RM	IS		0.15	5	-64.45	5	-1	3	Pass	298
	30		1000	C	).1	RM	IS		895.089	9	-63.18	_	-1	3	Pass	9700
10	00		1840		1	RM	IS		1836.996	3	-52.8	3	-1	3	Pass	840
	40		1920		1	RM			1879.6	-+	22.13	-		0	Pass	60
	20		3000		1	RM			2705.728		-49.79	-	-1		Pass	1080
30			2000		1	RM			11515.946	-+	-44.33	-	-1		Pass	9000
120	00	2	20000		1	RM	IS		19318.915	5	-36.91	1	-1	3	Pass	8000
20- 10- 010- (£ -203040506070-													~~~		<b>~~~~</b>	····
-80 0.009	20	000 4	1000	6000	)	80	000	100	000 120 cy(MHz)	00	1400	0	160	00	18000	200



## 3.4. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:4, Channel:18900, Bandwidth:1.4, Modulation:Q16, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.021	-70.91	-13	Pass	601
0.15	30	0.01	RMS	0.16	-64.77	-13	Pass	2985
30	1000	0.1	RMS	905.79	-63.17	-13	Pass	9700
1000	1840	1	RMS	1840	-52.82	-13	Pass	840
1840	1920	1	RMS	1879.6	21.51	60	Pass	601
1920	3000	1	RMS	2708.73	-49.85	-13	Pass	1080
3000	12000	1	RMS	11515.946	-44.28	-13	Pass	9000
12000	20000	1	RMS	19319.915	-36.94	-13	Pass	8000
30 - 20 - 10 -								





# 3.5. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:5, Channel:19193, Bandwidth:1.4, Modulation:QPSK, RB Number: 1, RB Position:LOW)

0.009 0.15 30 1000 1840 1920 3000	0.15 30 1000 1840	0.001 0.01 0.1	RMS RMS	0.09	-71.79	-13	)	
30 1000 1840 1920	1000 1840		RMS			. •	Pass	601
1000 1840 1920	1840	0.1		0.15	-63.76	-13	Pass	2985
1840 1920			RMS	914.291	-63.29	-13	Pass	9700
1920	4000	1	RMS	1826.985	-52.8	-13	Pass	840
	1920	1	RMS	1908.8	22.38	60	Pass	60
3000	3000	1	RMS	2452.493	-41.34	-13	Pass	108
	12000	1	RMS	11516.946	-44.34	-13	Pass	900
12000	20000	1	RMS	19308.914	-36.92	-13	Pass	800
10- 0- -10- -20- -30- -40- -50- -70- -80-							~~~	



-80-

0.009

## 3.6. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:6, Channel:19193, Bandwidth:1.4, Modulation:Q16, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.113	-71.31	-13	Pass	601
0.15	30	0.01	RMS	0.15	-64.71	-13	Pass	2985
30	1000	0.1	RMS	873.587	-63.11	-13	Pass	9700
1000	1840	1	RMS	1836.996	-52.87	-13	Pass	840
1840	1920	1	RMS	1908.8	21.2	60	Pass	601
1920	3000	1	RMS	2452.493	-34.81	-13	Pass	1080
3000	12000	1	RMS	11520.947	-44.36	-13	Pass	9000
12000	20000	1	RMS	19319.915	-36.92	-13	Pass	8000
20- 10- 010- (\text{\$\text{\$(\text{\$\text{\$(\text{\$\text{\$\text{\$(\text{\$\text{\$\text{\$(\text{\$\text{\$\text{\$(\text{\$\text{\$\text{\$\text{\$(\text{\$\text{\$\text{\$(\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\exitt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\exitt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\exitt{\$\etitt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\etitt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\etitt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\etitt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\etitt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\etitt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\etitt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\etitt{\$\etitt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\etitt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\etitt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\etitt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\etitt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\etitt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\etitt{\$\text{\$\}}}\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\tex							~~~~	,



-60-

-70-

-80-

0.009

2000

4000

#### 3.7. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:7, Channel:18615, Bandwidth:3, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.062	-71	-13	Pass	601
0.15	30	0.01	RMS	0.15	-64.78	-13	Pass	2985
30	1000	0.1	RMS	887.188	-63.21	-13	Pass	9700
1000	1840	1	RMS	1840	-52.44	-13	Pass	840
1840	1920	1	RMS	1850.267	21.94	60	Pass	601
1920	3000	1	RMS	2448.489	-35.38	-13	Pass	1080
3000	12000	1	RMS	11516.946	-44.3	-13	Pass	9000
12000	20000	1	RMS	19659.957	-36.9	-13	Pass	8000
20- 10- 0- -10- (\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\tex{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\							~~~~	,

12000

14000

16000

18000

20000

6000

8000

10000



## 3.8. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:8, Channel:18615, Bandwidth:3, Modulation:Q16, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.123	-70.81	-13	Pass	601
0.15	30	0.01	RMS	0.15	-63.93	-13	Pass	2985
30	1000	0.1	RMS	908.491	-63.24	-13	Pass	9700
1000	1840	1	RMS	1840	-52.63	-13	Pass	840
1840	1920	1	RMS	1850.267	20.91	60	Pass	601
1920	3000	1	RMS	2461.501	-49.76	-13	Pass	1080
3000	12000	1	RMS	11514.946	-44.27	-13	Pass	9000
12000	20000	1	RMS	19312.914	-36.93	-13	Pass	8000
20- 10- 0- -10- (mgp) -30- -40- -50- -60- -70-							~~~~	····



## 3.9. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:9, Channel:18900, Bandwidth:3, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.114	-70.91	-13	Pass	601
0.15	30	0.01	RMS	0.15	-64.51	-13	Pass	2985
30	1000	0.1	RMS	914.291	-63.19	-13	Pass	9700
1000	1840	1	RMS	1838.999	-52.85	-13	Pass	840
1840	1920	1	RMS	1878.667	22.21	60	Pass	601
1920	3000	1	RMS	2446.487	-42.18	-13	Pass	1080
3000	12000	1	RMS	11524.947	-44.39	-13	Pass	9000
12000	20000	1	RMS	19319.915	-36.94	-13	Pass	8000
20- 10- 0- -10- (wg))ay -30- -40- -50- -60- -70-							~~~~	



## 3.10. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:10, Channel:18900, Bandwidth:3, Modulation:Q16, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.021	-69.27	-13	Pass	601
0.15	30	0.01	RMS	0.15	-63.62	-13	Pass	2985
30	1000	0.1	RMS	912.791	-63.27	-13	Pass	9700
1000	1840	1	RMS	1837.998	-52.86	-13	Pass	840
1840	1920	1	RMS	1878.667	21.75	60	Pass	601
1920	3000	1	RMS	2456.497	-29.95	-13	Pass	1080
3000	12000	1	RMS	11517.946	-44.36	-13	Pass	9000
12000	20000	1	RMS	19659.957	-36.91	-13	Pass	8000
20- 10- 0- -10- (wgp) -30- -40- -50- -60- -70- -80- -85-							~~~	<b>,</b>



## 3.11. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:11, Channel:19185, Bandwidth:3, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.113	-71.58	-13	Pass	601
0.15	30	0.01	RMS	0.15	-63.86	-13	Pass	2985
30	1000	0.1	RMS	881.688	-63.27	-13	Pass	9700
1000	1840	1	RMS	1825.983	-52.82	-13	Pass	840
1840	1920	1	RMS	1907.2	22.45	60	Pass	601
1920	3000	1	RMS	2693.716	-49.86	-13	Pass	1080
3000	12000	1	RMS	11515.946	-44.32	-13	Pass	9000
12000	20000	1	RMS	19318.915	-36.96	-13	Pass	8000
20- 10- 0- -10- ((wgw))-30- -30- -40- -50- -60- -70-							~~~~	
	000 4000	6000	8000 Frog	10000 12000 uency(MHz)	14000	16000	18000	20000



-80--85-

0.009

## 3.12. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:12, Channel:19185, Bandwidth:3, Modulation:Q16, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.14	-71.28	-13	Pass	601
0.15	30	0.01	RMS	0.16	-64.07	-13	Pass	2985
30	1000	0.1	RMS	897.889	-63.05	-13	Pass	9700
1000	1840	1	RMS	1840	-52.84	-13	Pass	840
1840	1920	1	RMS	1907.2	21.43	60	Pass	601
1920	3000	1	RMS	2705.728	-49.8	-13	Pass	1080
3000	12000	1	RMS	11521.947	-44.38	-13	Pass	9000
12000	20000	1	RMS	19660.958	-36.99	-13	Pass	8000
20- 10- 0- -10- -20- (Egg) -30- -40- -50- -60- -70-							~~~~	,



## 3.13. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:13, Channel:18625, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.15	0.001	RMS	0.149	-71.5	-13	Pass	601
30	0.01	RMS	0.15	-64.14	-13	Pass	2985
1000	0.1	RMS	920.892	-63.19	-13	Pass	9700
1840	1	RMS	1840	-52.36	-13	Pass	840
1920	1	RMS	1850.267	21.85	60	Pass	601
	1						1080
	1						9000
20000	1	RMS	19659.957	-36.96	-13	Pass	8000
			10000	14000		~~~~	
000 4000	6000	8000	10000 12000	14000	16000	18000	20000
	Frequency (MHz)  0.15  30  1000  1840  1920  3000  20000	Frequency (MHz)  0.15	Frequency (MHz)         RBW (MHz)         Detector           0.15         0.001         RMS           30         0.01         RMS           1000         0.1         RMS           1840         1         RMS           1920         1         RMS           12000         1         RMS           20000         1         RMS	Frequency (MHz)         RBW (MHz)         Detector (MHz)         Frequency (MHz)           0.15         0.001         RMS         0.149           30         0.01         RMS         0.15           1000         0.1         RMS         920.892           1840         1         RMS         1840           1920         1         RMS         1850.267           3000         1         RMS         2444.486           12000         1         RMS         19659.957	Frequency (MHz)         RBW (MHz)         Detector (MHz)         Frequency (MHz)         Power (dBm)           0.15         0.001         RMS         0.149         -71.5           30         0.01         RMS         0.15         -64.14           1000         0.1         RMS         920.892         -63.19           1840         1         RMS         1850.267         21.85           3000         1         RMS         2444.486         -48.93           12000         1         RMS         11516.946         -44.32           20000         1         RMS         19659.957         -36.96	Frequency (MHz)         RBW (MHz)         Detector (MHz)         Frequency (MHz)         Power (dBm)         Limit (dBm)           0.15         0.001         RMS         0.149         -71.5         -13           30         0.01         RMS         0.15         -64.14         -13           1000         0.1         RMS         920.892         -63.19         -13           1840         1         RMS         1840         -52.36         -13           1920         1         RMS         1850.267         21.85         60           3000         1         RMS         2444.486         -48.93         -13           12000         1         RMS         11516.946         -44.32         -13           20000         1         RMS         19659.957         -36.96         -13	Frequency (MHz)         RBW (MHz)         Detector (MHz)         Frequency (dBm)         Detector (dBm)         Verdict (dBm)           0.15         0.001         RMS         0.149         -71.5         -13         Pass           30         0.01         RMS         0.15         -64.14         -13         Pass           1000         0.1         RMS         920.892         -63.19         -13         Pass           1840         1         RMS         1840         -52.36         -13         Pass           1920         1         RMS         1850.267         21.85         60         Pass           3000         1         RMS         2444.486         -48.93         -13         Pass           12000         1         RMS         11516.946         -44.32         -13         Pass           20000         1         RMS         19659.957         -36.96         -13         Pass



-50-

-60-

-70-

-80--85-

0.009

2000

4000

6000

8000

10000

Frequency(MHz)

12000

#### 3.14. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:14, Channel:18625, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.02	-70.76	-13	Pass	60 <sup>-</sup>
0.15	30	0.01	RMS	0.15	-63.51	-13	Pass	298
30	1000	0.1	RMS	901.09	-63.19	-13	Pass	970
1000	1840	1	RMS	1840	-52.56	-13	Pass	84
1840	1920	1	RMS	1850.267	20.75	60	Pass	60
1920	3000	1	RMS	2443.485	-48.32	-13	Pass	108
3000	12000	1	RMS	11511.946	-44.35	-13	Pass	900
12000	20000	1	RMS	19318.915	-36.97	-13	Pass	800
30- 20- 10- 0- -10- -20-								

20000

18000

16000

14000



## 3.15. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:15, Channel:18900, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.076	-71.22	-13	Pass	601
0.15	30	0.01	RMS	0.15	-64.16	-13	Pass	2985
30	1000	0.1	RMS	871.687	-63.28	-13	Pass	9700
1000	1840	1	RMS	1823.981	-52.83	-13	Pass	840
1840	1920	1	RMS	1877.867	21.85	60	Pass	601
1920	3000	1	RMS	2454.495	-43.9	-13	Pass	1080
3000	12000	1	RMS	11519.947	-44.34	-13	Pass	9000
12000	20000	1	RMS	19303.913	-37	-13	Pass	8000
20- 10- 1010- (\text{wgp}) = \text{asy} -304050607080-							~~~~	,
	000 4000	6000	8000 Freq	10000 12000 uency(MHz)	14000	16000	18000	20000



-50-

-70-

-80--85-

0.009

2000

4000

6000

8000

10000

Frequency(MHz)

12000

#### 3.16. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:16, Channel:18900, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.123	-72.09	-13	Pass	601
0.15	30	0.01	RMS	0.15	-63.37	-13	Pass	298
30	1000	0.1	RMS	889.289	-63.16	-13	Pass	9700
1000	1840	1	RMS	1838.999	-52.8	-13	Pass	840
1840	1920	1	RMS	1877.867	21.13	60	Pass	601
1920	3000	1	RMS	2452.493	-40.57	-13	Pass	1080
3000	12000	1	RMS	11519.947	-44.37	-13	Pass	9000
12000	20000	1	RMS	19317.915	-36.92	-13	Pass	8000
30- 20- 10- 0- -10- -20-								

20000

18000

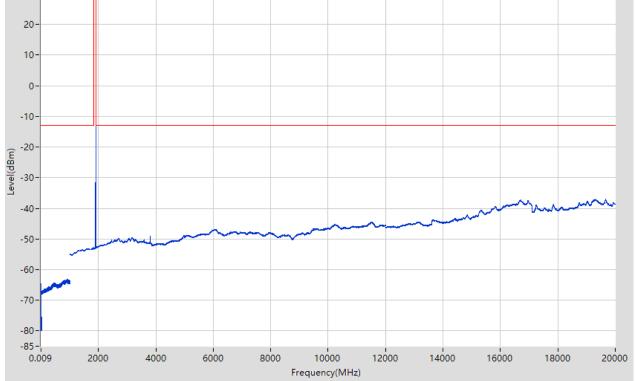
16000

14000



## 3.17. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:17, Channel:19175, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

								•
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.143	-71.75	-13	Pass	601
0.15	30	0.01	RMS	0.16	-64.57	-13	Pass	2985
30	1000	0.1	RMS	931.693	-63.23	-13	Pass	9700
1000	1840	1	RMS	1835.995	-52.81	-13	Pass	840
1840	1920	1	RMS	1905.333	22.09	60	Pass	601
1920	3000	1	RMS	2704.727	-49.86	-13	Pass	1080
3000	12000	1	RMS	11529.948	-44.38	-13	Pass	9000
12000	20000	1	RMS	19318.915	-37	-13	Pass	8000
30- 20- 10- 0-								





-60-

-70-

-80--85-

0.009

2000

4000

6000

8000

10000

Frequency(MHz)

#### 3.18. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:18, Channel:19175, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.02	-71.2	-13	Pass	60
0.15	30	0.01	RMS	0.15	-63.56	-13	Pass	298
30	1000	0.1	RMS	935.693	-63.29	-13	Pass	970
1000	1840	1	RMS	1834.994	-52.91	-13	Pass	84
1840	1920	1	RMS	1905.333	20.81	60	Pass	60
1920	3000	1	RMS	2451.492	-36.81	-13	Pass	108
3000	12000	1	RMS	11520.947	-44.34	-13	Pass	900
12000	20000	1	RMS	19316.915	-36.94	-13	Pass	800
20- 10- 0- -10- -20-								
-40 -						~~~~	m	

12000

16000

18000

20000

14000



# 3.19. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:19, Channel:18650, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Star Freque (MH	ency	Stop Frequen (MHz)	_	RBV (MH		De	tector	Fr	requency (MHz)	/	Powe (dBm)		Limit (dBm		Verdict	Sweep Point
	0.009	(	0.15	0.00	01	RM	IS		0.10	7	-71.4	.9	-1	13	Pass	601
	0.15		30	0.0	01	RM	IS		0.1	6	-57.7	4	-1	13	Pass	2985
	30	1	000	0	).1	RM	IS		874.68	7	-63.1	7	-1	13	Pass	9700
	1000	1	840		1	RM	IS		184	0	-52.0	3	-1	13	Pass	840
	1840		920		1	RM			1850.53	-	22.		6	03	Pass	601
	1920		000		1	RM			2703.72		-49.8	-		13	Pass	1080
	3000		2000		1	RM			11508.94		-44.3		-1		Pass	9000
30-	12000	20	000		1	RM	IS		19659.95	7	-36.9	1	-1	13	Pass	8000
20- 1010102040506070-															~~~~	,,,,,
0.009	20	000 400	00	6000		80	000 Freq	1000 uency	00 120 v(MHz)	000	140	00	160	00	18000	20000



## 3.20. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:20, Channel:18650, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.021	-71.26	-13	Pass	601
0.15	30	0.01	RMS	0.15	-64.98	-13	Pass	2985
30	1000	0.1	RMS	928.693	-63.26	-13	Pass	9700
1000	1840	1	RMS	1832.992	-52.48	-13	Pass	840
1840	1920	1	RMS	1850.533	20.94	60	Pass	601
1920	3000	1	RMS	2446.487	-44.91	-13	Pass	1080
3000	12000	1	RMS	11515.946	-44.28	-13	Pass	9000
12000	20000	1	RMS	19314.914	-36.96	-13	Pass	8000
20- 10- 0- -10- (mg/g)ga-30- -40- -50-							~~~~	,
-70 - -80 - 0.009 2	000 4000	6000	8000 Freq	10000 12000 uency(MHz)	14000	16000	18000	20000



# 3.21. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:21, Channel:18900, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Start Frequer (MHz)	су	Stop Frequer (MHz	ncy	RB'		Det	tector	F	requency (MHz)	′	Power (dBm)		Lim		Verdict	Sweep Point
0	.009		0.15	0.0	001	RM	IS		0.13	7	-71.57	7	-	13	Pass	601
(	0.15		30	0	.01	RM	IS		0.1	5	-63.8	8	-	13	Pass	2985
	30		1000	(	0.1	RM	IS		887.48	8	-63.	1	-	13	Pass	9700
1	000		1840		1	RM	IS		1837.99	8	-52.8	1	-	13	Pass	840
	840		1920		1	RM			1875.		22.02	-+		60	Pass	601
	920		3000		1	RM			2454.49		-44.78	-+		13	Pass	1080
	3000		2000		1	RM			11514.94	_	-44.36	-+		13	Pass	9000
30-	2000	2(	0000		1	RM	IS		19659.95	7	-36.98	8	-	13	Pass	8000
20- 10- 0- -10- (mg-20- -30- -40- -50- -60-													~~~		~~~~	
-80 <b>-</b> 0.009	20	000 40	000	600	0	80	000	100	00 120 y(MHz)	000	1400	00	160	000	18000	2000



-80--85-

0.009

Frequency(MHz)

## 3.22. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:22, Channel:18900, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.129	-72.02	-13	Pass	601
0.15	30	0.01	RMS	0.16	-64.19	-13	Pass	2985
30	1000	0.1	RMS	921.292	-63.31	-13	Pass	9700
1000	1840	1	RMS	1837.998	-52.85	-13	Pass	840
1840	1920	1	RMS	1875.6	21.56	60	Pass	601
1920	3000	1	RMS	2706.728	-49.85	-13	Pass	1080
3000	12000	1	RMS	11520.947	-44.34	-13	Pass	9000
12000	20000	1	RMS	19310.914	-36.98	-13	Pass	8000
20- 10- 0- -10- (mgp) -30- -40- -50- -60-							~~~~	,



-40-

-50-

-60-

-70

-80 --85 -0.009

2000

4000

6000

## 3.23. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:23, Channel:19150, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Position.LO								
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	0.13	-71.69	-13	Pass	601
0.15	30	0.01	RMS	0.15	-64.55	-13	Pass	2985
30	1000	0.1	RMS	916.691	-63.25	-13	Pass	9700
1000	1840	1	RMS	1837.998	-52.76	-13	Pass	840
1840	1920	1	RMS	1900.533	22.51	60	Pass	601
1920	3000	1	RMS	2452.493	-41.4	-13	Pass	1080
3000	12000	1	RMS	11516.946	-44.29	-13	Pass	9000
12000	20000	1	RMS	19316.915	-36.97	-13	Pass	8000
30- 20- 10- 0- -10- (wgg)) -30-								



## 3.24. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:24, Channel:19150, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.104	-71.01	-13	Pass	601
0.15	30	0.01	RMS	0.15	-63.39	-13	Pass	2985
30	1000	0.1	RMS	871.287	-63.33	-13	Pass	9700
1000	1840	1	RMS	1837.998	-52.85	-13	Pass	840
1840	1920	1	RMS	1900.533	21.09	60	Pass	601
1920	3000	1	RMS	2702.725	-49.88	-13	Pass	1080
3000	12000	1	RMS	11517.946	-44.35	-13	Pass	9000
12000	20000	1	RMS	19320.915	-37.02	-13	Pass	8000
20- 10- 0- -10- -20- (\(\mathbb{Q}\)\(\mathbb{P}\)\(\mathbb{P}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathbb{O}\)\(\mathb							~~~~	
-85- 0.009 2	000 4000	6000	8000	10000 12000	14000	16000	18000	20000



# 3.25. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:25, Channel:18675, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.149	-72.11	-13	Pass	601
0.15	30	0.01	RMS	0.15	-64.26	-13	Pass	2985
30	1000	0.1	RMS	871.187	-63.16	-13	Pass	9700
1000	1840	1	RMS	1837.998	-40.78	-13	Pass	840
1840	1920	1	RMS	1850.8	22.22	60	Pass	601
1920	3000	1	RMS	2697.72	-49.82	-13	Pass	1080
3000	12000	1	RMS	11521.947	-44.31	-13	Pass	9000
12000	20000	1	RMS	19660.958	-36.99	-13	Pass	8000
10- 0- -10- -20- -30- -40- -50- -60- -70-							~~~	<b></b>
-85-  0.009 2	000 4000	6000	8000 Frea	10000 12000 uency(MHz)	14000	16000	18000	20000



## 3.26. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:26, Channel:18675, Bandwidth:15, Modulation:Q16, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.143	-70.98	-13	Pass	601
0.15	30	0.01	RMS	0.15	-65.24	-13	Pass	2985
30	1000	0.1	RMS	909.691	-63.21	-13	Pass	9700
1000	1840	1	RMS	1837.998	-47.37	-13	Pass	840
1840	1920	1	RMS	1850.8	20.85	60	Pass	60
1920	3000	1	RMS	2699.722	-49.83	-13	Pass	108
3000	12000	1	RMS	11516.946	-44.26	-13	Pass	900
12000	20000	1	RMS	19318.915	-36.99	-13	Pass	800
10- 0- -10- -20- (Egp) -30- -40- -50- -60-							~~~~	
-80 - -85 - 0.009 20	000 4000	6000	8000	10000 12000	14000	16000	18000	20000



# 3.27. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:27, Channel:18900, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.106	-71.24	-13	Pass	601
0.15	30	0.01	RMS	0.16	-64.11	-13	Pass	2985
30	1000	0.1	RMS	916.991	-63.28	-13	Pass	9700
1000	1840	1	RMS	1840	-52.79	-13	Pass	840
1840	1920	1	RMS	1873.333	22.07	60	Pass	601
1920	3000	1	RMS	2454.495	-34.47	-13	Pass	1080
3000	12000	1	RMS	11521.947	-44.33	-13	Pass	9000
12000	20000	1	RMS	19659.957	-36.98	-13	Pass	8000
10- 0- -10- -20- -30- -40- -50- -60- -70-							~~~	,
-85-¦ 0.009 20	000 4000	6000	8000 Freq	10000 12000 uency(MHz)	14000	16000	18000	20000



-60-

-70-

-80--85-

0.009

2000

4000

6000

8000

10000

Frequency(MHz)

#### 3.28. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:28, Channel:18900, Bandwidth:15, Modulation:Q16, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.112	-71.18	-13	Pass	60
0.15	30	0.01	RMS	0.16	-64.75	-13	Pass	298
30	1000	0.1	RMS	919.992	-63.29	-13	Pass	970
1000	1840	1	RMS	1824.982	-52.85	-13	Pass	840
1840	1920	1	RMS	1873.333	21.69	60	Pass	60 <sup>-</sup>
1920	3000	1	RMS	2696.719	-49.85	-13	Pass	1080
3000	12000	1	RMS	11515.946	-44.35	-13	Pass	9000
12000	20000	1	RMS	19319.915	-36.95	-13	Pass	800
20 - 10 - 0 - -10 - -20 - -30 - -40 -							~~~~	,

12000

16000

18000

20000

14000



# 3.29. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:29, Channel:19125, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.101	-71.14	-13	Pass	601
0.15	30	0.01	RMS	0.17	-64.37	-13	Pass	2985
30	1000	0.1	RMS	903.19	-63.21	-13	Pass	9700
1000	1840	1	RMS	1828.987	-52.85	-13	Pass	840
1840	1920	1	RMS	1895.867	22.04	60	Pass	601
1920	3000	1	RMS	2447.488	-44.11	-13	Pass	1080
3000	12000	1	RMS	11515.946	-44.35	-13	Pass	9000
12000	20000	1	RMS	19321.915	-36.95	-13	Pass	8000
20- 10- 101020405060708085-							~~~	,
	000 4000	6000	80 <sup>0</sup> 00 Freq	10000 12000 uency(MHz)	14000	16000	18000	20000



## 3.30. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:30, Channel:19125, Bandwidth:15, Modulation:Q16, RB Number: 1, RB Position:LOW)

0.15 30 0.01 RMS 0.15 -64.63 -13 Pass 298 30 1000 0.1 RMS 916.391 -63.17 -13 Pass 970 1000 1840 1 RMS 1838.999 -52.81 -13 Pass 84 1840 1920 1 RMS 1895.867 20.73 60 Pass 60 1920 3000 1 RMS 2458.499 -48.8 -13 Pass 108 3000 12000 1 RMS 11518.947 -44.28 -13 Pass 900 12000 20000 1 RMS 19321.915 -36.95 -13 Pass 800	Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	0.009	0.15	0.001	RMS	0.06	-71.79	-13	Pass	601
1000	0.15	30	0.01	RMS	0.15	-64.63	-13	Pass	2985
1840 1920 1 RMS 1895.867 20.73 60 Pass 60 1920 3000 1 RMS 2458.499 -48.8 -13 Pass 108 3000 12000 1 RMS 11518.947 -44.28 -13 Pass 900 12000 20000 1 RMS 19321.915 -36.95 -13 Pass 800	30	1000	0.1	RMS	916.391	-63.17	-13	Pass	9700
1920 3000 1 RMS 2458.499 -48.8 -13 Pass 900 12000 20000 1 RMS 19321.915 -36.95 -13 Pass 800  20 10 -10 -20 -30 -30 -30 -30 -30 -30 -30 -30 -30 -3	1000	1840	1	RMS	1838.999	-52.81	-13	Pass	840
3000 12000 1 RMS 11518.947 -44.28 -13 Pass 900 12000 20000 1 RMS 19321.915 -36.95 -13 Pass 800	1840	1920	1	RMS	1895.867	20.73	60	Pass	601
12000 20000 1 RMS 19321.915 -36.95 -13 Pass 800	1920	3000	1	RMS	2458.499	-48.8	-13	Pass	1080
30 - 20 - 10									9000
20- 10- -10- -20- -40- -50- -60- -70- -80-		20000	1	RMS	19321.915	-36.95	-13	Pass	8000
-63-	10- 0- -10- (agp) -30- -40- -50- -60- -70-							~~~	,



# 3.31. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:31, Channel:18700, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.15	0.001	RMS	0.093	-71.19	-13	Pass	601
30	0.01	RMS	0.15	-65.01	-13	Pass	2985
1000	0.1	RMS	884.188	-63.29	-13	Pass	9700
1840	1	RMS	1832.992	-48.83	-13	Pass	840
1920	1	RMS	1851.067	22.02	60	Pass	601
3000	1	RMS	2695.718	-49.84	-13	Pass	1080
12000	1	RMS	11521.947	-44.32	-13	Pass	9000
20000	1	RMS	19319.915	-37.01	-13	Pass	8000
						~~~~	,
	(MHz)  0.15  30  1000  1840  1920  3000  12000	Frequency (MHz)         (MHz)           0.15         0.001           30         0.01           1000         0.1           1840         1           1920         1           3000         1           12000         1	Frequency (MHz)         (MHz)         Detector           0.15         0.001         RMS           30         0.01         RMS           1000         0.1         RMS           1840         1         RMS           1920         1         RMS           3000         1         RMS           12000         1         RMS	Frequency (MHz)         (MHz)         Detector (MHz)         (MHz)           0.15         0.001         RMS         0.093           30         0.01         RMS         0.15           1000         0.1         RMS         884.188           1840         1         RMS         1832.992           1920         1         RMS         1851.067           3000         1         RMS         2695.718           12000         1         RMS         11521.947	Frequency (MHz)         (MHz)         Detector (MHz)         (MHz)         (dBm)           0.15         0.001         RMS         0.093         -71.19           30         0.01         RMS         0.15         -65.01           1000         0.1         RMS         884.188         -63.29           1840         1         RMS         1832.992         -48.83           1920         1         RMS         1851.067         22.02           3000         1         RMS         2695.718         -49.84           12000         1         RMS         11521.947         -44.32	Frequency (MHz)         (MHz)         Detector         (MHz)         (dBm)         (dBm)           0.15         0.001         RMS         0.093         -71.19         -13           30         0.01         RMS         0.15         -65.01         -13           1000         0.1         RMS         884.188         -63.29         -13           1840         1         RMS         1832.992         -48.83         -13           1920         1         RMS         1851.067         22.02         60           3000         1         RMS         2695.718         -49.84         -13           12000         1         RMS         11521.947         -44.32         -13	Frequency (MHz)         (MHz)         Detector (MHz)         (MHz)         (dBm)         Verdict           0.15         0.001         RMS         0.093         -71.19         -13         Pass           30         0.01         RMS         0.15         -65.01         -13         Pass           1000         0.1         RMS         884.188         -63.29         -13         Pass           1840         1         RMS         1832.992         -48.83         -13         Pass           1920         1         RMS         1851.067         22.02         60         Pass           3000         1         RMS         2695.718         -49.84         -13         Pass           12000         1         RMS         11521.947         -44.32         -13         Pass



### 3.32. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:32, Channel:18700, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.123	-71.26	-13	Pass	601
0.15	30	0.01	RMS	0.15	-63.93	-13	Pass	2985
30	1000	0.1	RMS	903.29	-63.16	-13	Pass	9700
1000	1840	1	RMS	1832.992	-49.37	-13	Pass	840
1840	1920	1	RMS	1851.067	21.39	60	Pass	601
1920	3000	1	RMS	2710.732	-49.86	-13	Pass	1080
3000	12000	1	RMS	11529.948	-44.37	-13	Pass	9000
12000	20000	1	RMS	19659.957	-36.89	-13	Pass	8000
20- 10- 0- -10- -20- (Egp) -30- -40- -50- -60- -70-							~~~~	,
-85- 0.009 2	000 4000	6000	8000	10000 12000	14000	16000	18000	20000
	000 4000	6000	8000 Freq	10000 12000 uency(MHz)	14000	16000	18000	20



# 3.33. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:33, Channel:18900, 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	0.134	-70.86	-13	Pass	601
0.15	30	0.01	RMS	0.15	-65.27	-13	Pass	2985
30	1000	0.1	RMS	895.889	-63.19	-13	Pass	9700
1000	1840	1	RMS	1834.994	-51.24	-13	Pass	840
1840	1920	1	RMS	1871.067	22.7	60	Pass	601
1920	3000	1	RMS	2456.497	-37.78	-13	Pass	1080
3000	12000	1	RMS	11518.947	-44.27	-13	Pass	9000
12000	20000	1	RMS	19317.915	-36.98	-13	Pass	8000
10- 0- -10- (Egg) -30- -40- -50- -60- -70-							~~~~	,
-85-	000 4000	6000	8000	10000 12000 uency(MHz)	14000	16000	18000	20000



-80 --85 -

0.009

Frequency(MHz)

### 3.34. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:34, Channel:18900, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.009	-71.71	-13	Pass	601
0.15	30	0.01	RMS	0.15	-64.25	-13	Pass	2985
30	1000	0.1	RMS	895.189	-63.18	-13	Pass	9700
1000	1840	1	RMS	1834.994	-52.09	-13	Pass	840
1840	1920	1	RMS	1871.067	21.13	60	Pass	601
1920	3000	1	RMS	2457.498	-42.54	-13	Pass	1080
3000	12000	1	RMS	11516.946	-44.3	-13	Pass	9000
12000	20000	1	RMS	19282.91	-36.9	-13	Pass	8000
20- 10- 0- -10- -20- -40- -50-							~~~~	



# 3.35. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:35, Channel:19100, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)

0.15 30 1000	0.001	RMS	0.028				Point
1000	0.01		0.020	-71.62	-13	Pass	601
		RMS	0.15	-64.27	-13	Pass	2985
	0.1	RMS	907.19	-63.2	-13	Pass	9700
1840	1	RMS	1840	-52.74	-13	Pass	840
1920	1	RMS	1891.067	22.49	60	Pass	601
3000	1	RMS	2455.496	-35.64	-13	Pass	1080
12000	1	RMS	11517.946	-44.24	-13	Pass	9000
20000	1	RMS	19317.915	-36.94	-13	Pass	8000
						~~~	,
<b>~</b> ,∾							4000 6000 8000 10000 12000 14000 16000 18000



### 3.36. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:36, Channel:19100, Bandwidth:20, Modulation:Q16, 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	0.115	-72.09	-13	Pass	601
30	0.01	RMS	0.15	-64.73	-13	Pass	2985
1000	0.1	RMS	902.09	-63.23	-13	Pass	9700
1840	1	RMS	1838.999	-52.77	-13	Pass	840
1920	1	RMS	1891.067	21.52	60	Pass	601
3000	1	RMS	2458.499	-44.1	-13	Pass	1080
12000	1			-44.28	-13	Pass	9000
20000	1	RMS	19318.915	-36.91	-13	Pass	8000
						~~~~	,
000 4000	6000	8000	10000 12000	14000	16000	18000	20000
	Frequency (MHz)  0.15  30  1000  1840  1920  3000  20000	Frequency (MHz)  0.15	Frequency (MHz)         RBW (MHz)         Detector           0.15         0.001         RMS           30         0.01         RMS           1000         0.1         RMS           1840         1         RMS           1920         1         RMS           12000         1         RMS           20000         1         RMS	Frequency (MHz)         RBW (MHz)         Detector (MHz)         Frequency (MHz)           0.15         0.001         RMS         0.115           30         0.01         RMS         0.15           1000         0.1         RMS         902.09           1840         1         RMS         1838.999           1920         1         RMS         1891.067           3000         1         RMS         11512.946           20000         1         RMS         19318.915	Frequency (MHz)         RBW (MHz)         Detector (MHz)         Frequency (MHz)         Power (dBm)           0.15         0.001         RMS         0.115         -72.09           30         0.01         RMS         0.15         -64.73           1000         0.1         RMS         902.09         -63.23           1840         1         RMS         1838.999         -52.77           1920         1         RMS         1891.067         21.52           3000         1         RMS         2458.499         -44.1           12000         1         RMS         19318.915         -36.91	Frequency (MHz)         RBW (MHz)         Detector (MHz)         Frequency (MHz)         Power (dBm)         Limit (dBm)           0.15         0.001         RMS         0.115         -72.09         -13           30         0.01         RMS         0.15         -64.73         -13           1000         0.1         RMS         902.09         -63.23         -13           1840         1         RMS         1838.999         -52.77         -13           1920         1         RMS         1891.067         21.52         60           3000         1         RMS         2458.499         -44.1         -13           12000         1         RMS         11512.946         -44.28         -13           20000         1         RMS         19318.915         -36.91         -13	Frequency (MHz)         RBW (MHz)         Detector (MHz)         Frequency (dBm)         Power (dBm)         Limit (dBm)         Verdict           0.15         0.001         RMS         0.115         -72.09         -13         Pass           30         0.01         RMS         0.15         -64.73         -13         Pass           1000         0.1         RMS         902.09         -63.23         -13         Pass           1840         1         RMS         1838.999         -52.77         -13         Pass           1920         1         RMS         1891.067         21.52         60         Pass           3000         1         RMS         2458.499         -44.1         -13         Pass           12000         1         RMS         19318.915         -36.91         -13         Pass           20000         1         RMS         19318.915         -36.91         -13         Pass



**END** 

#### 4. LTE\_Band4

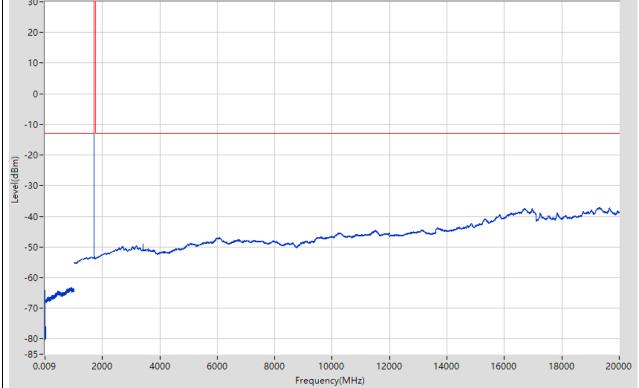
### 4.1. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:1, Channel:19957, Bandwidth:1.4, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.129	-71.4	-13	Pass	601
0.15	30	0.01	RMS	0.19	-65.27	-13	Pass	2985
30	1000	0.1	RMS	926.492	-63.3	-13	Pass	9700
1000	1700	1	RMS	1700	-53.17	-13	Pass	700
1700	1765	1	RMS	1710.183	21.74	60	Pass	601
1765	3000	1	RMS	2701.759	-49.85	-13	Pass	1235
3000	12000	1	RMS	11518.947	-44.49	-13	Pass	9000
12000	20000	1	RMS	19319.915	-37.06	-13	Pass	8000
20- 10- 0- -10- (mgp) -30- -40- -50- -60- -70-							~~~~	,
	000 4000	6000	8000	10000 12000	14000	16000	18000	20000



### 4.2. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:2, Channel:19957, Bandwidth:1.4, Modulation:Q16, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.085	-71.46	-13	Pass	601
0.15	30	0.01	RMS	0.15	-64.12	-13	Pass	2985
30	1000	0.1	RMS	918.792	-63.25	-13	Pass	9700
1000	1700	1	RMS	1700	-53.17	-13	Pass	700
1700	1765	1	RMS	1710.183	20.78	60	Pass	601
1765	3000	1	RMS	2699.757	-49.89	-13	Pass	1235
3000	12000	1	RMS	11516.946	-44.48	-13	Pass	9000
12000	20000	1	RMS	19318.915	-37.05	-13	Pass	8000
20- 10- 0-								





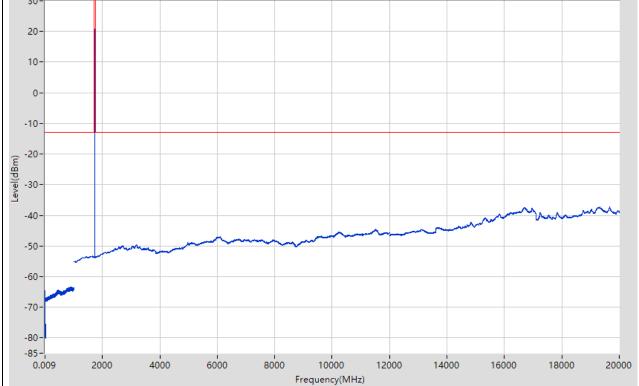
# 4.3. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:3, Channel:20175, Bandwidth:1.4, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.091	-71.71	-13	Pass	601
0.15	30	0.01	RMS	0.15	-64.34	-13	Pass	2985
30	1000	0.1	RMS	896.389	-63.29	-13	Pass	9700
1000	1700	1	RMS	1658.941	-53.27	-13	Pass	700
1700	1765	1	RMS	1732.067	21.89	60	Pass	601
1765	3000	1	RMS	2449.554	-35.11	-13	Pass	1235
3000	12000	1	RMS	11514.946	-44.54	-13	Pass	9000
12000	20000	1	RMS	19319.915	-37.22	-13	Pass	8000
10- 0- -10- -20- -80-							~~~~	,
-85- 0.009 20	000 4000	6000	8000	10000 12000 uency(MHz)	14000	16000	18000	20000



### 4.4. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:4, Channel:20175, Bandwidth:1.4, Modulation:Q16, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.147	-70.52	-13	Pass	601
0.15	30	0.01	RMS	0.16	-64.55	-13	Pass	2985
30	1000	0.1	RMS	904.19	-63.38	-13	Pass	9700
1000	1700	1	RMS	1657.94	-53.34	-13	Pass	700
1700	1765	1	RMS	1732.067	20.7	60	Pass	601
1765	3000	1	RMS	2707.763	-49.9	-13	Pass	1235
3000	12000	1	RMS	11516.946	-44.55	-13	Pass	9000
12000	20000	1	RMS	19319.915	-37.15	-13	Pass	8000
20-								





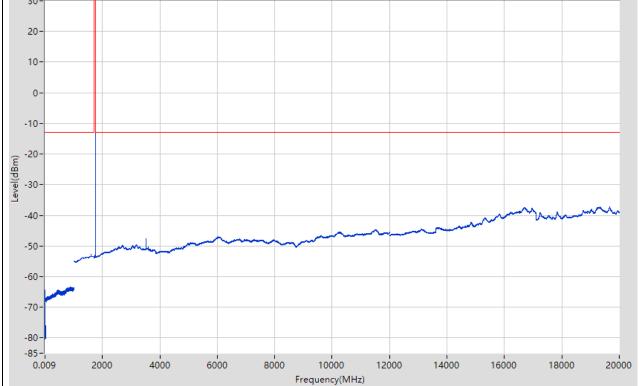
# 4.5. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:5, Channel:20393, Bandwidth:1.4, Modulation:QPSK, RB Number: 1, RB Position:LOW)

0.009 0.15 30 1000 1700 1765 3000 12000	0.15 30 1000 1700 1765 3000 12000 20000	0.001 0.01 0.1 1 1 1 1	RMS RMS RMS RMS RMS RMS RMS RMS RMS	0.02 0.15 873.187 1614.878 1753.842 2699.757 11517.946 19317.915	-71.21 -63.63 -63.31 -52.75 21.49 -49.89 -44.53	-13 -13 -13 -13 60 -13 -13	Pass Pass Pass Pass Pass Pass	601 2985 9700 700 601
30 1000 1700 1765 3000 12000	1000 1700 1765 3000 12000	0.1 1 1 1 1	RMS RMS RMS RMS	873.187 1614.878 1753.842 2699.757 11517.946	-63.31 -52.75 21.49 -49.89	-13 -13 60 -13	Pass Pass Pass	9700 700 601
1000 1700 1765 3000 12000	1700 1765 3000 12000	1 1 1 1	RMS RMS RMS RMS	1614.878 1753.842 2699.757 11517.946	-52.75 21.49 -49.89	-13 60 -13	Pass Pass	700 601
1700 1765 3000 12000	1765 3000 12000	1 1 1	RMS RMS RMS	1753.842 2699.757 11517.946	21.49	60 -13	Pass	601
1765 3000 12000 30- 20- 10- 0-	3000 12000	1	RMS RMS	2699.757 11517.946	-49.89	-13		
3000 12000 30- 20- 10- 0-	12000	1	RMS	11517.946			Pacc	
12000 30- 20- 10- 0-					-44.53	-13	1 033	1235
30 - 20 - 10 - 0 -	20000	1	RMS	19317.915			Pass	9000
20- 10- 0-					-37.2	-13	Pass	8000
-4050607085 - 0.009 200	00 4000	6000	8000	10000 12000	14000	16000	18000	20000



### 4.6. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:6, Channel:20393, Bandwidth:1.4, Modulation:Q16, RB Number: 1, RB Position:LOW)

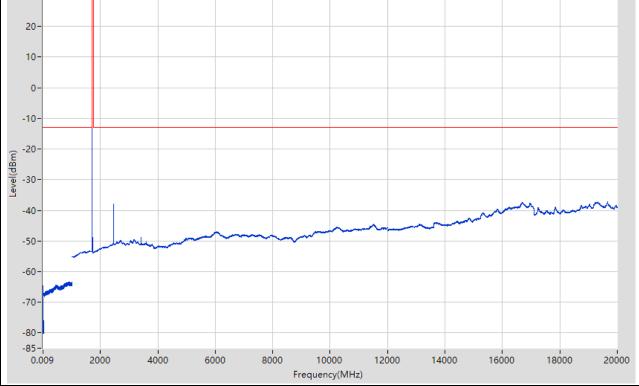
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.127	-70.86	-13	Pass	601
0.15	30	0.01	RMS	0.15	-64.42	-13	Pass	2985
30	1000	0.1	RMS	890.189	-63.41	-13	Pass	9700
1000	1700	1	RMS	1614.878	-52.82	-13	Pass	700
1700	1765	1	RMS	1753.842	20.95	60	Pass	601
1765	3000	1	RMS	2705.762	-49.86	-13	Pass	1235
3000	12000	1	RMS	11516.946	-44.62	-13	Pass	9000
12000	20000	1	RMS	19320.915	-37.23	-13	Pass	8000
20- 10- 0-								





### 4.7. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:7, Channel:19965, Bandwidth:3, Modulation:QPSK, RB Number: 1, RB Position:LOW)

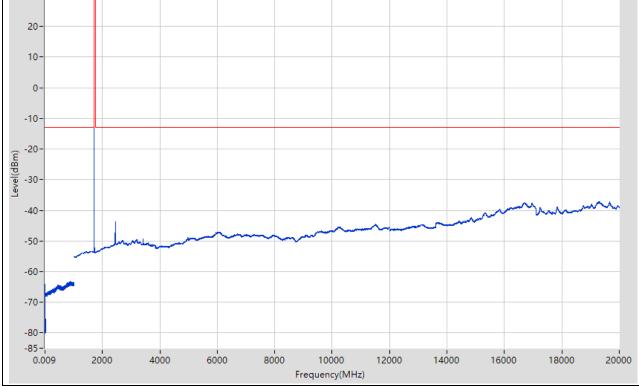
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.111	-71.47	-13	Pass	601
0.15	30	0.01	RMS	0.15	-64.58	-13	Pass	2985
30	1000	0.1	RMS	909.491	-63.3	-13	Pass	9700
1000	1700	1	RMS	1700	-53.15	-13	Pass	700
1700	1765	1	RMS	1710.183	21.78	60	Pass	601
1765	3000	1	RMS	2448.553	-37.81	-13	Pass	1235
3000	12000	1	RMS	11511.946	-44.58	-13	Pass	9000
12000	20000	1	RMS	19318.915	-37.18	-13	Pass	8000
20-								





### 4.8. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:8, Channel:19965, Bandwidth:3, Modulation:Q16, RB Number: 1, RB Position:LOW)

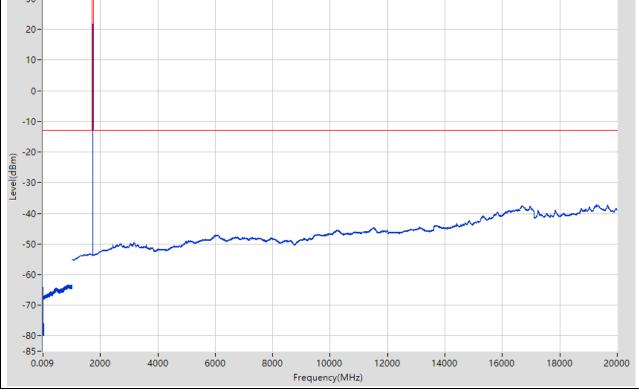
								•
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.128	-71.24	-13	Pass	601
0.15	30	0.01	RMS	0.16	-64.21	-13	Pass	2985
30	1000	0.1	RMS	891.689	-63.28	-13	Pass	9700
1000	1700	1	RMS	1700	-53.3	-13	Pass	700
1700	1765	1	RMS	1710.183	20.44	60	Pass	601
1765	3000	1	RMS	2445.551	-43.66	-13	Pass	1235
3000	12000	1	RMS	11516.946	-44.55	-13	Pass	9000
12000	20000	1	RMS	19314.914	-37.25	-13	Pass	8000
20- 10- 0-								





### 4.9. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:9, Channel:20175, Bandwidth:3, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.021	-70.16	-13	Pass	601
0.15	30	0.01	RMS	0.15	-64.08	-13	Pass	2985
30	1000	0.1	RMS	895.189	-63.37	-13	Pass	9700
1000	1700	1	RMS	1659.943	-53.16	-13	Pass	700
1700	1765	1	RMS	1731.2	21.64	60	Pass	601
1765	3000	1	RMS	2712.767	-49.91	-13	Pass	1235
3000	12000	1	RMS	11520.947	-44.61	-13	Pass	9000
12000	20000	1	RMS	19660.958	-37.27	-13	Pass	8000
20- 10- 0-								





-50-

-60-

-70-

-80 --85 -

0.009

2000

4000

6000

8000

10000

Frequency(MHz)

12000

#### 4.10. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:10, Channel:20175, Bandwidth:3, Modulation:Q16, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.072	-71.25	-13	Pass	601
0.15	30	0.01	RMS	0.15	-64.14	-13	Pass	2985
30	1000	0.1	RMS	903.69	-63.34	-13	Pass	9700
1000	1700	1	RMS	1660.944	-53.3	-13	Pass	700
1700	1765	1	RMS	1731.2	21.19	60	Pass	601
1765	3000	1	RMS	2701.759	-49.9	-13	Pass	1235
3000	12000	1	RMS	11495.944	-44.57	-13	Pass	9000
12000	20000	1	RMS	19326.916	-37.22	-13	Pass	8000
30- 20- 10- 0- -10- -20- (wgp)) -30- -40-							~~~~	

16000

18000

20000

14000



### 4.11. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:11, Channel:20385, Bandwidth:3, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.144	-70.93	-13	Pass	601
0.15	30	0.01	RMS	0.15	-64.01	-13	Pass	2985
30	1000	0.1	RMS	887.588	-63.25	-13	Pass	9700
1000	1700	1	RMS	1617.883	-52.8	-13	Pass	700
1700	1765	1	RMS	1752.217	21.44	60	Pass	601
1765	3000	1	RMS	2702.759	-49.91	-13	Pass	1235
3000	12000	1	RMS	11523.947	-44.61	-13	Pass	9000
12000	20000	1	RMS	19318.915	-37.25	-13	Pass	8000
30- 20- 10- 0-								





-50-

-60-

-70-

-80 --85 -

0.009

2000

4000

6000

8000

10000

Frequency(MHz)

12000

#### 4.12. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:12, Channel:20385, Bandwidth:3, Modulation:Q16, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.141	-71.89	-13	Pass	60 <sup>-</sup>
0.15	30	0.01	RMS	0.15	-64.05	-13	Pass	298
30	1000	0.1	RMS	904.19	-63.35	-13	Pass	970
1000	1700	1	RMS	1617.883	-52.89	-13	Pass	70
1700	1765	1	RMS	1752.217	20.61	60	Pass	60
1765	3000	1	RMS	2705.762	-49.94	-13	Pass	123
3000	12000	1	RMS	11517.946	-44.54	-13	Pass	900
12000	20000	1	RMS	19322.915	-37.24	-13	Pass	800
30- 20- 10- 0- -10- -20-								

20000

18000

16000

14000



-60-

-70-

-80-

0.009

2000

4000

6000

8000

10000

Frequency(MHz)

#### 4.13. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:13, Channel:19975, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.121	-71.06	-13	Pass	601
0.15	30	0.01	RMS	0.15	-63.51	-13	Pass	2985
30	1000	0.1	RMS	873.387	-63.39	-13	Pass	9700
1000	1700	1	RMS	1700	-53.09	-13	Pass	700
1700	1765	1	RMS	1710.292	21.61	60	Pass	601
1765	3000	1	RMS	2448.553	-47.91	-13	Pass	1235
3000	12000	1	RMS	11519.947	-44.58	-13	Pass	9000
12000	20000	1	RMS	19317.915	-37.25	-13	Pass	8000
20- 10- 0- -10- (\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\exititt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\exititt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\texititt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\tex							~~~	

12000

16000

18000

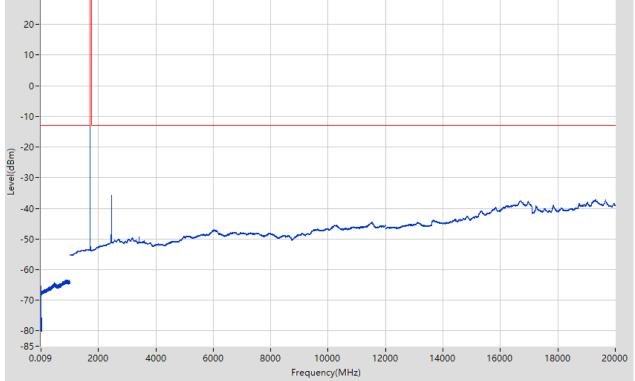
20000

14000



### 4.14. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:14, Channel:19975, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)

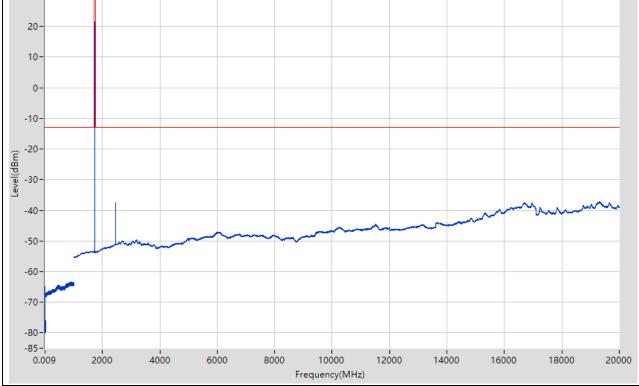
								-
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.115	-70.57	-13	Pass	601
0.15	30	0.01	RMS	0.16	-65.26	-13	Pass	2985
30	1000	0.1	RMS	863.486	-63.45	-13	Pass	9700
1000	1700	1	RMS	1700	-53.31	-13	Pass	700
1700	1765	1	RMS	1710.292	20.35	60	Pass	601
1765	3000	1	RMS	2451.556	-35.78	-13	Pass	1235
3000	12000	1	RMS	11530.948	-44.57	-13	Pass	9000
12000	20000	1	RMS	19661.958	-37.25	-13	Pass	8000
30- 20- 10- 0-								





### 4.15. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:15, Channel:20175, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

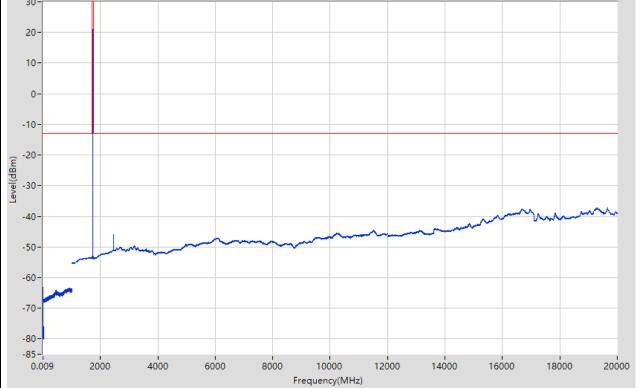
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.082	-71.89	-13	Pass	601
0.15	30	0.01	RMS	0.17	-64.75	-13	Pass	2985
30	1000	0.1	RMS	915.991	-63.34	-13	Pass	9700
1000	1700	1	RMS	1661.946	-53.34	-13	Pass	700
1700	1765	1	RMS	1730.333	21.4	60	Pass	601
1765	3000	1	RMS	2451.556	-37.34	-13	Pass	1235
3000	12000	1	RMS	11523.947	-44.58	-13	Pass	9000
12000	20000	1	RMS	19319.915	-37.21	-13	Pass	8000
20-								





### 4.16. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:16, Channel:20175, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)

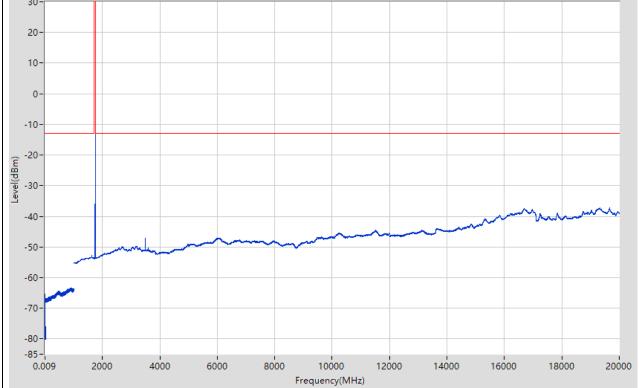
	·	·		•		•		,
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.114	-71.74	-13	Pass	601
0.15	30	0.01	RMS	0.15	-63.24	-13	Pass	2985
30	1000	0.1	RMS	927.993	-63.48	-13	Pass	9700
1000	1700	1	RMS	1661.946	-53.35	-13	Pass	700
1700	1765	1	RMS	1730.333	21.05	60	Pass	601
1765	3000	1	RMS	2447.553	-45.88	-13	Pass	1235
3000	12000	1	RMS	11518.947	-44.53	-13	Pass	9000
12000	20000	1	RMS	19658.957	-37.23	-13	Pass	8000
30- 20- 10- 0-								





### 4.17. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:17, Channel:20375, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

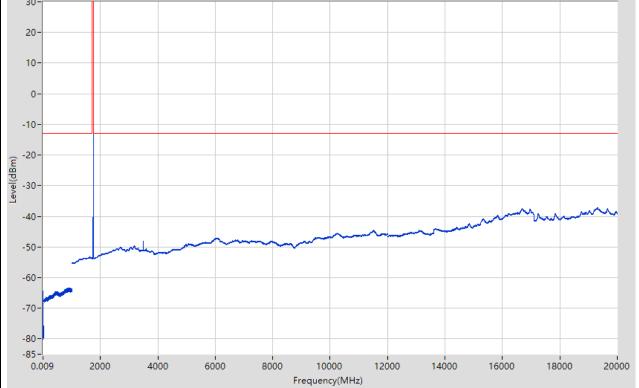
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.143	-71.2	-13	Pass	601
0.15	30	0.01	RMS	0.16	-65.43	-13	Pass	2985
30	1000	0.1	RMS	920.192	-63.43	-13	Pass	9700
1000	1700	1	RMS	1621.888	-52.83	-13	Pass	700
1700	1765	1	RMS	1750.375	21.6	60	Pass	601
1765	3000	1	RMS	2696.754	-49.93	-13	Pass	1235
3000	12000	1	RMS	11518.947	-44.53	-13	Pass	9000
12000	20000	1	RMS	19318.915	-37.22	-13	Pass	8000
20-								





### 4.18. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:18, Channel:20375, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)

	•	•		•		•		,
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.103	-71.23	-13	Pass	601
0.15	30	0.01	RMS	0.15	-64.3	-13	Pass	2985
30	1000	0.1	RMS	907.29	-63.33	-13	Pass	9700
1000	1700	1	RMS	1621.888	-52.98	-13	Pass	700
1700	1765	1	RMS	1750.375	20.2	60	Pass	601
1765	3000	1	RMS	2703.76	-49.96	-13	Pass	1235
3000	12000	1	RMS	11521.947	-44.51	-13	Pass	9000
12000	20000	1	RMS	19319.915	-37.18	-13	Pass	8000
30- 20- 10- 0-								





# 4.19. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:19, Channel:20000, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

0.009 0.15 30 1000 1700 1765 3000 12000	0.15 30 1000 1700 1765 3000 12000 20000	0.001 0.01 0.1 1 1 1	RMS RMS RMS RMS RMS RMS RMS	0.144 0.15 896.189 1700 1710.617 2445.551	-71.19 -63.95 -63.22 -53.13 21.63	-13 -13 -13 -13 60	Pass Pass Pass	60° 2985 9700 700
30 1000 1700 1765 3000 12000	1000 1700 1765 3000 12000	0.1 1 1	RMS RMS RMS	896.189 1700 1710.617	-63.22 -53.13 21.63	-13 -13	Pass Pass	9700
1000 1700 1765 3000 12000	1700 1765 3000 12000	1 1 1	RMS RMS RMS	1700 1710.617	-53.13 21.63	-13	Pass	
1700 1765 3000 12000	1765 3000 12000	1	RMS RMS	1710.617	21.63			70
1765 3000 12000	3000 12000	1	RMS			60		
3000 12000	12000			2445.551	40 40		Pass	60
12000		1			-43.49	-13	Pass	123
	20000		RMS	11520.947	-44.53	-13	Pass	900
30-		1	RMS	19319.915	-37.23	-13	Pass	800
10- 0- -10- -20- -30- -40- -50- -60- -70- -80-							~~~~	



### 4.20. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:20, Channel:20000, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)

	•	•		•		•		,
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.132	-71.27	-13	Pass	601
0.15	30	0.01	RMS	0.15	-64.33	-13	Pass	2985
30	1000	0.1	RMS	875.887	-63.35	-13	Pass	9700
1000	1700	1	RMS	1700	-53.25	-13	Pass	700
1700	1765	1	RMS	1710.617	20.59	60	Pass	601
1765	3000	1	RMS	2458.562	-41.63	-13	Pass	1235
3000	12000	1	RMS	11521.947	-44.53	-13	Pass	9000
12000	20000	1	RMS	19313.914	-37.26	-13	Pass	8000
30- 20- 10- 0-								





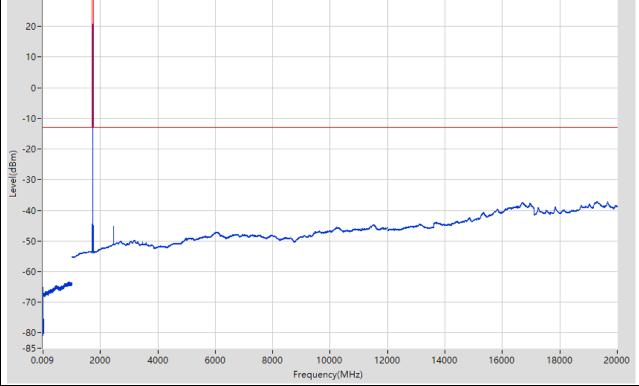
# 4.21. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:21, Channel:20175, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Freque (MH	_	Stop Freque (MH:	ncy	RBW (MHz)	De	tector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
	0.009		0.15	0.001	RM	1S	0.137	-71.37	-13	Pass	601
	0.15		30	0.01	RM	1S	0.15	-64.7	-13	Pass	2985
	30		1000	0.1	RM	1S	878.387	-63.36	-13	Pass	9700
	1000		1700	1	RM	1S	1626.896	-53.4	-13	Pass	700
	1700		1765	1	RM	1S	1728.058	21.32	60	Pass	601
	1765		3000	1	RM		2456.56	-39.83	-13	Pass	1235
	3000		2000	1	RM		11518.947	-44.51	-13	Pass	9000
30-	12000	2	0000	1	RM	1S	19320.915	-37.31	-13	Pass	8000
10- 0- -10- -20- -30- -40- -50- -60- -70-										~~~~	



### 4.22. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:22, Channel:20175, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)

								-
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.021	-71.9	-13	Pass	601
0.15	30	0.01	RMS	0.17	-65.1	-13	Pass	2985
30	1000	0.1	RMS	915.291	-63.32	-13	Pass	9700
1000	1700	1	RMS	1621.888	-53.38	-13	Pass	700
1700	1765	1	RMS	1728.058	20.68	60	Pass	601
1765	3000	1	RMS	2447.553	-45.27	-13	Pass	1235
3000	12000	1	RMS	11513.946	-44.62	-13	Pass	9000
12000	20000	1	RMS	19318.915	-37.11	-13	Pass	8000
30- 20- 10- 0-								





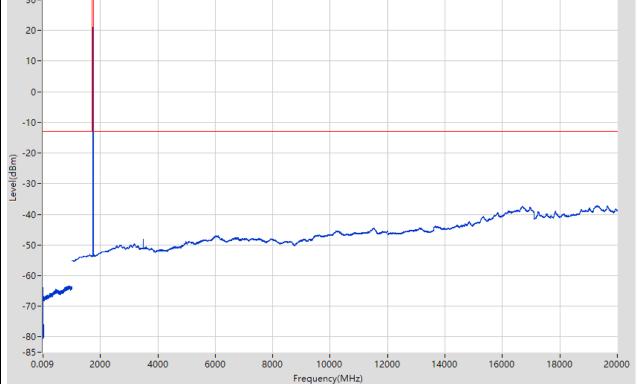
# 4.23. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:23, Channel:20350, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Frequency (MHz)	Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.12	-71.74	-13	Pass	601
0.15	30	0.01	RMS	0.15	-63.49	-13	Pass	2985
30	1000	0.1	RMS	880.588	-63.35	-13	Pass	9700
1000	1700	1	RMS	1631.903	-53	-13	Pass	700
1700	1765	1	RMS	1745.608	21.55	60	Pass	601
1765	3000	1	RMS	2449.554	-34.66	-13	Pass	1235
3000	12000	1	RMS	11511.946	-44.53	-13	Pass	9000
12000	20000	1	RMS	19659.957	-37.02	-13	Pass	8000
10- 0- -10- -20- -30- -40- -50- -60- -70-							~~~	



### 4.24. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:24, Channel:20350, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)

	•	•		•		•		,
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.117	-71.8	-13	Pass	601
0.15	30	0.01	RMS	0.15	-63.99	-13	Pass	2985
30	1000	0.1	RMS	926.992	-63.3	-13	Pass	9700
1000	1700	1	RMS	1631.903	-53.03	-13	Pass	700
1700	1765	1	RMS	1745.608	20.98	60	Pass	601
1765	3000	1	RMS	2700.758	-49.97	-13	Pass	1235
3000	12000	1	RMS	11521.947	-44.44	-13	Pass	9000
12000	20000	1	RMS	19323.915	-37.13	-13	Pass	8000
30- 20- 10- 0-								





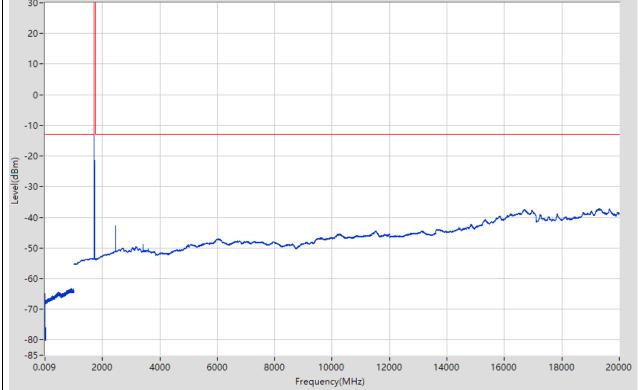
# 4.25. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:25, Channel:20025, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.121	-70.44	-13	Pass	601
0.15	30	0.01	RMS	0.15	-63.83	-13	Pass	2985
30	1000	0.1	RMS	901.99	-63.33	-13	Pass	9700
1000	1700	1	RMS	1697.997	-45.06	-13	Pass	700
1700	1765	1	RMS	1710.833	21.87	60	Pass	601
1765	3000	1	RMS	2455.559	-39.46	-13	Pass	1235
3000	12000	1	RMS	11516.946	-44.5	-13	Pass	9000
12000	20000	1	RMS	19317.915	-37.15	-13	Pass	8000
10- 0- -10- -20- -20- -30- -40- -50- -60- -70-							~~~~	,
-85- 0.009 20	000 4000	6000	8000	10000 12000 uency(MHz)	14000	16000	18000	20000



### 4.26. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:26, Channel:20025, Bandwidth:15, Modulation:Q16, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.147	-71.44	-13	Pass	601
0.15	30	0.01	RMS	0.15	-64.98	-13	Pass	2985
30	1000	0.1	RMS	927.192	-63.23	-13	Pass	9700
1000	1700	1	RMS	1697.997	-47.11	-13	Pass	700
1700	1765	1	RMS	1710.833	20.55	60	Pass	601
1765	3000	1	RMS	2454.558	-42.67	-13	Pass	1235
3000	12000	1	RMS	11517.946	-44.46	-13	Pass	9000
12000	20000	1	RMS	19319.915	-37.14	-13	Pass	8000
20- 10- 0-								





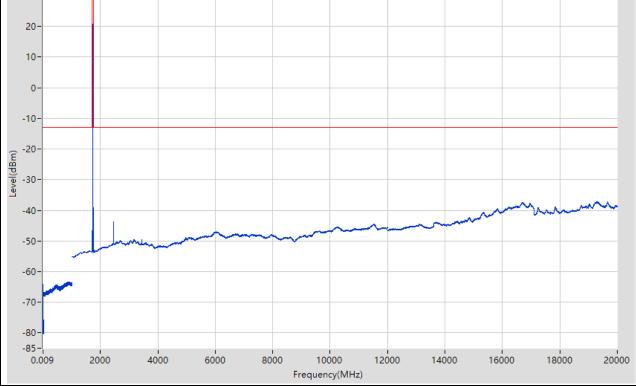
# 4.27. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:27, Channel:20175, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.021	-71.09	-13	Pass	601
0.15	30	0.01	RMS	0.16	-65.15	-13	Pass	2985
30	1000	0.1	RMS	909.991	-63.15	-13	Pass	9700
1000	1700	1	RMS	1698.999	-51.48	-13	Pass	700
1700	1765	1	RMS	1725.783	21.47	60	Pass	601
1765	3000	1	RMS	2451.556	-38.08	-13	Pass	1235
3000	12000	1	RMS	11515.946	-44.49	-13	Pass	9000
12000	20000	1	RMS	19318.915	-37.06	-13	Pass	8000
10- 0- -10- (Egg) -30- -40- -50- -60- -70-							~~~~	,
-85- 0.009 20	000 4000	6000	8000	10000 12000 uency(MHz)	14000	16000	18000	20000



### 4.28. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:28, Channel:20175, Bandwidth:15, Modulation:Q16, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.109	-71.39	-13	Pass	601
0.15	30	0.01	RMS	0.15	-64.13	-13	Pass	2985
30	1000	0.1	RMS	901.49	-63.29	-13	Pass	9700
1000	1700	1	RMS	1698.999	-51.46	-13	Pass	700
1700	1765	1	RMS	1725.783	20.83	60	Pass	601
1765	3000	1	RMS	2449.554	-43.66	-13	Pass	1235
3000	12000	1	RMS	11523.947	-44.5	-13	Pass	9000
12000	20000	1	RMS	19320.915	-37.16	-13	Pass	8000
30- 20- 10- 0-								





# 4.29. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:29, Channel:20325, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:LOW)

0.009 0.15 30 1000 1700 1765 3000 12000	0.15 30 1000 1700 1765 3000 12000 20000	0.001 0.01 0.1 1 1 1 1	RMS RMS RMS RMS RMS RMS RMS RMS RMS	0.104 0.15 920.092 1640.916 1740.842 1767.002 11524.947 19318.915	-70.41 -64.84 -63.31 -53.08 21.66 -39.46 -44.51 -37.09	-13 -13 -13 -13 -60 -13 -13	Pass Pass Pass Pass Pass Pass Pass Pass	60° 2989 9700 700 60° 1239 9000 8000
30 1000 1700 1765 3000 12000	1000 1700 1765 3000 12000	0.1 1 1 1	RMS RMS RMS RMS	920.092 1640.916 1740.842 1767.002 11524.947	-63.31 -53.08 21.66 -39.46 -44.51	-13 -13 60 -13 -13	Pass Pass Pass Pass Pass	9700 700 60° 1238 9000
1000 1700 1765 3000 12000	1700 1765 3000 12000	1 1 1	RMS RMS RMS RMS	1640.916 1740.842 1767.002 11524.947	-53.08 21.66 -39.46 -44.51	-13 60 -13 -13	Pass Pass Pass Pass	70 60 123 900
1700 1765 3000 12000	1765 3000 12000	1 1 1	RMS RMS RMS	1740.842 1767.002 11524.947	21.66 -39.46 -44.51	60 -13 -13	Pass Pass Pass	60 123 900
1765 3000 12000	3000 12000	1	RMS RMS	1767.002 11524.947	-39.46 -44.51	-13 -13	Pass Pass	123 900
3000 12000 30- 20- 10-	12000	1	RMS	11524.947	-44.51	-13	Pass	900
12000 30- 20- 10-								
20-	20000	1	RMS	19318.915	-37.09	-13	Pass	800
20-								
-1020304050607080 -							~~~~	



### 4.30. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:30, Channel:20325, Bandwidth:15, Modulation:Q16, RB Number: 1, RB Position:LOW)

Stop equency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.15	0.001	RMS	0.12	-71.87	-13	Pass	601
30	0.01	RMS	0.15	-64.25	-13	Pass	2985
1000	0.1	RMS	940.194	-63.14	-13	Pass	9700
1700	1	RMS	1640.916	-53.22	-13	Pass	700
1765	1	RMS	1740.842	19.8	60	Pass	601
3000	1	RMS	1767.002	-39.77	-13	Pass	1235
12000	1	RMS	11511.946	-44.46	-13	Pass	9000
20000	1	RMS	19660.958	-36.98	-13	Pass	8000
						~~~~	20000
	4000	4000 6000		4000 6000 8000 10000 12000 Frequency(MHz)			



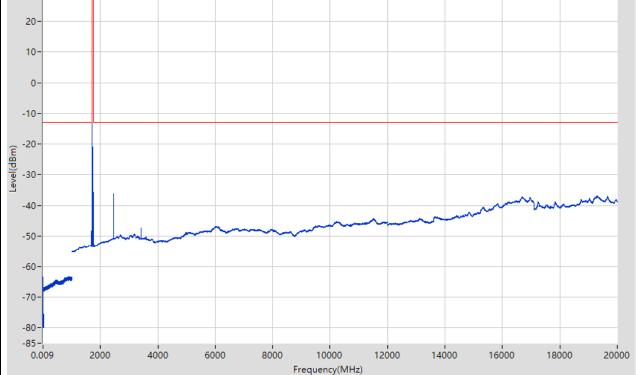
# 4.31. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:31, Channel:20050, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)

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	0.139	-71.63	-13	Pass	601
0.15	30	0.01	RMS	0.15	-64.46	-13	Pass	2985
30	1000	0.1	RMS	886.988	-63.13	-13	Pass	9700
1000	1700	1	RMS	1692.99	-47.63	-13	Pass	700
1700	1765	1	RMS	1711.05	21.85	60	Pass	601
1765	3000	1	RMS	2689.749	-49.76	-13	Pass	1235
3000	12000	1	RMS	11517.946	-44.33	-13	Pass	9000
12000	20000	1	RMS	19315.914	-36.95	-13	Pass	8000
20- 10- 1010- (E -20800.009 2	2000 4000	6000	8000	10000 12000 uency(MHz)	14000	16000	18000	20000



#### 4.32. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:32, Channel:20050, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.021	-70.57	-13	Pass	601
0.15	30	0.01	RMS	0.15	-63.34	-13	Pass	2985
30	1000	0.1	RMS	907.59	-63.15	-13	Pass	9700
1000	1700	1	RMS	1692.99	-48.26	-13	Pass	700
1700	1765	1	RMS	1711.05	21.3	60	Pass	601
1765	3000	1	RMS	2454.558	-36.19	-13	Pass	1235
3000	12000	1	RMS	11513.946	-44.35	-13	Pass	9000
12000	20000	1	RMS	19658.957	-36.93	-13	Pass	8000
30 - 20 - 10 - 0 -								





# 4.33. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:33, Channel:20175, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.114	-71.69	-13	Pass	601
0.15	30	0.01	RMS	0.15	-63.48	-13	Pass	2985
30	1000	0.1	RMS	897.889	-63.21	-13	Pass	9700
1000	1700	1	RMS	1687.983	-53.07	-13	Pass	700
1700	1765	1	RMS	1723.617	22.17	60	Pass	601
1765	3000	1	RMS	2453.558	-34.37	-13	Pass	1235
3000	12000	1	RMS	11515.946	-44.38	-13	Pass	9000
12000	20000	1	RMS	19322.915	-37	-13	Pass	8000
20- 10- 0- -10- (\text{wgp}) -30- -40- -50- -60- -70- -80- -85-	000 4000	6000	8000	10000 12000			18000	20000



## 4.34. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:34, Channel:20175, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.021	-71.26	-13	Pass	601
0.15	30	0.01	RMS	0.15	-64.97	-13	Pass	2985
30	1000	0.1	RMS	903.79	-63.05	-13	Pass	9700
1000	1700	1	RMS	1620.887	-53.14	-13	Pass	700
1700	1765	1	RMS	1723.617	20.71	60	Pass	601
1765	3000	1	RMS	2706.763	-49.73	-13	Pass	1235
3000	12000	1	RMS	11519.947	-44.31	-13	Pass	9000
12000	20000	1	RMS	19264.908	-25.66	-13	Pass	8000
20- 10- 0- -10- (\(\text{\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\exititt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\								
•	000 4000	6000	8000	10000 12000 uency(MHz)	14000	16000	18000	20000



# 4.35. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:35, Channel:20300, Bandwidth:20, Modulation:QPSK, RB Number: 1, RB Position:LOW)

0.009 0.15 30 1000 1700 1765 3000	0.15 30 1000 1700 1765	0.001 0.01 0.1	RMS RMS	0.133 0.15	-71.68 -64.49	-13	Pass	601
30 1000 1700 1765 3000	1000 1700 1765	0.1		0.15	-64.49			
1000 1700 1765 3000	1700 1765		RMS		-04.43	-13	Pass	298
1700 1765 3000	1765	1		891.589	-63.11	-13	Pass	970
1765 3000			RMS	1700	-51.37	-13	Pass	70
3000		1	RMS	1736.075	21.86	60	Pass	60
-	3000	1	RMS	1772.006	-36.28	-13	Pass	123
	12000	1	RMS	11516.946	-44.36	-13	Pass	900
12000	20000	1	RMS	19325.916	-37	-13	Pass	800
10- 0- -10- -20- -30- -40- -50- -70- -80-							~~~	



## 4.36. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:36, Channel:20300, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.141	-71.71	-13	Pass	601
0.15	30	0.01	RMS	0.15	-63.89	-13	Pass	2985
30	1000	0.1	RMS	932.093	-63.21	-13	Pass	9700
1000	1700	1	RMS	1700	-51.02	-13	Pass	700
1700	1765	1	RMS	1736.075	21.12	60	Pass	601
1765	3000	1	RMS	1772.006	-36.87	-13	Pass	1235
3000	12000	1	RMS	11522.947	-44.31	-13	Pass	9000
12000	20000	1	RMS	19319.915	-36.97	-13	Pass	8000
20- 10- 0- -10- ((agw))-30- -30- -40- -50- -60- -70-		6000	9000	10000 12000	14000	15000	19000	20000
	000 4000	6000	8000	10000 12000 uency(MHz)	14000	16000	18000	20000



#### 5. LTE\_Band7

-60

-70

-80 --85 -

0.009

2000

4000

6000

8000

10000

Frequency(MHz)

12000 14000 16000 18000 20000 22000 24000

#### 5.1. LTE Spurious Emission at Antenna Terminals(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	0.116	-71.59	-25	Pass	601
0.15	30	0.01	RMS	0.15	-64.75	-25	Pass	2985
30	1000	0.1	RMS	913.791	-63.3	-25	Pass	9700
1000	2490	1	RMS	2490	-50.28	-25	Pass	1490
2490	2580	1	RMS	2500.35	21.39	60	Pass	601
2580	3000	1	RMS	2705.3	-49.88	-25	Pass	601
3000	12000	1	RMS	11519.947	-54.33	-25	Pass	9000
12000	27000	1	RMS	25244.883	-41.25	-25	Pass	15000
30 - 20 - 10 - 0 - -10 - (Egg) 30 - 30 -								

27000



# 5.2. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:2, Channel:20775, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.136	-71.95	-25	Pass	601
0.15	30	0.01	RMS	0.15	-64.34	-25	Pass	2985
30	1000	0.1	RMS	905.49	-63.38	-25	Pass	9700
1000	2490	1	RMS	2490	-50.41	-25	Pass	1490
2490	2580	1	RMS	2500.35	20.21	60	Pass	601
2580	3000	1	RMS	2706.7	-49.91	-25	Pass	601
3000	12000	1	RMS	11514.946	-54.26	-25	Pass	9000
12000	27000	1	RMS	25282.886	-41.25	-25	Pass	15000
20- 10- 0- -10- (magp) -30- -40- -50- -60- -70- -80- -85- 0.009 2000	0 4000 6000	8000 1	10000 12000 Freqi	14000 16000 uency(MHz)	18000 20	0000 22000	24000	27000



-50-

-60

-70

-80--85-0.009

2000

4000

6000

8000

10000

Frequency(MHz)

#### 5.3. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:3, 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	0.108	-71.87	-25	Pass	60
0.15	30	0.01	RMS	0.15	-63.38	-25	Pass	298
30	1000	0.1	RMS	909.391	-63.36	-25	Pass	970
1000	2490	1	RMS	2455.977	-35.74	-25	Pass	149
2490	2580	1	RMS	2532.9	21.05	60	Pass	60
2580	3000	1	RMS	2699.7	-49.92	-25	Pass	60
3000	12000	1	RMS	11513.946	-54.22	-25	Pass	900
12000	27000	1	RMS	25252.884	-41.32	-25	Pass	1500
30- 20- 10- 0- -10-								
-40-								

12000 14000 16000 18000 20000 22000 24000

27000



# 5.4. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:4, Channel:21100, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.147	-71.27	-25	Pass	601
0.15	30	0.01	RMS	0.15	-64.36	-25	Pass	2985
30	1000	0.1	RMS	898.99	-63.21	-25	Pass	9700
1000	2490	1	RMS	2458.979	-47.09	-25	Pass	1490
2490	2580	1	RMS	2532.9	20.22	60	Pass	601
2580	3000	1	RMS	2706	-49.89	-25	Pass	601
3000	12000	1	RMS	11515.946	-54.39	-25	Pass	9000
12000	27000	1	RMS	25262.884	-41.31	-25	Pass	15000
20- 1010102030405060708085-								

Frequency(MHz)



-60-

-70-

-80--85-

Frequency(MHz)

#### 5.5. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:5, 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	0.01	-71.81	-25	Pass	601
0.15	30	0.01	RMS	0.16	-64.93	-25	Pass	2985
30	1000	0.1	RMS	922.492	-63.4	-25	Pass	9700
1000	2490	1	RMS	2460.981	-49.42	-25	Pass	1490
2490	2580	1	RMS	2565.3	20.8	60	Pass	601
2580	3000	1	RMS	2689.2	-49.91	-25	Pass	601
3000	12000	1	RMS	11512.946	-54.35	-25	Pass	9000
12000	27000	1	RMS	25265.884	-41.26	-25	Pass	15000
20- 10- 0- -10- -20- -30- -40-						n.		



# 5.6. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:6, Channel:21425, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.139	-71.6	-25	Pass	601
0.15	30	0.01	RMS	0.15	-64.29	-25	Pass	2985
30	1000	0.1	RMS	917.692	-63.32	-25	Pass	9700
1000	2490	1	RMS	2454.976	-38.61	-25	Pass	1490
2490	2580	1	RMS	2565.3	19.48	60	Pass	601
2580	3000	1	RMS	2701.8	-49.89	-25	Pass	601
3000	12000	1	RMS	11517.946	-54.28	-25	Pass	9000
12000	27000	1	RMS	25252.884	-41.27	-25	Pass	15000
20- 10- 101020- (Egp) -30405060708085- 0.009 2000	0 4000 6000	8000 1	0000 12000	14000 16000	18000 20	0000 22000	0 24000	27000

Frequency(MHz)



# 5.7. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:7, 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	0.132	-70.94	-25	Pass	601
0.15	30	0.01	RMS	0.15	-64.44	-25	Pass	2985
30	1000	0.1	RMS	975.998	-63.33	-25	Pass	9700
1000	2490	1	RMS	2445.97	-41.57	-25	Pass	1490
2490	2580	1	RMS	2500.65	21.72	60	Pass	601
2580	3000	1	RMS	2696.2	-49.88	-25	Pass	601
3000	12000	1	RMS	11516.946	-54.37	-25	Pass	9000
12000	27000	1	RMS	25246.883	-41.24	-25	Pass	15000
20- 10- 0- -10- -20- -20- -30- -40- -50- -60- -70- -80- -85-								<b>***</b>



-60-

-70-

-80--85-

0.009

2000

4000

6000

8000

10000

14000

Frequency(MHz)

#### 5.8. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:8, Channel:20800, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)

0.15         30         0.01         RMS         0.16         -55.53         -25         Pass         298           30         1000         0.1         RMS         906.49         -63.31         -25         Pass         970           1000         2490         1         RMS         2446.971         -36.94         -25         Pass         149           2490         2580         1         RMS         2500.65         20.47         60         Pass         60           2580         3000         1         RMS         2701.1         -49.91         -25         Pass         60           3000         12000         1         RMS         11516.946         -54.35         -25         Pass         900	Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30 1000 0.1 RMS 906.49 -63.31 -25 Pass 970 1000 2490 1 RMS 2446.971 -36.94 -25 Pass 149 2490 2580 1 RMS 2500.65 20.47 60 Pass 60 2580 3000 1 RMS 2701.1 -49.91 -25 Pass 60 3000 12000 1 RMS 11516.946 -54.35 -25 Pass 900 12000 27000 1 RMS 25249.883 -41.24 -25 Pass 1500 300 -20 -20 -20 -20 -30 -	0.009	0.15	0.001	RMS	0.013	-71.58	-25	Pass	60
1000 2490 1 RMS 2446.971 -36.94 -25 Pass 149 2490 2580 1 RMS 2500.65 20.47 60 Pass 60 2580 3000 1 RMS 2701.1 -49.91 -25 Pass 60 3000 12000 1 RMS 11516.946 -54.35 -25 Pass 900 12000 27000 1 RMS 25249.883 -41.24 -25 Pass 1500	0.15	30	0.01	RMS	0.16	-55.53	-25	Pass	298
2490 2580 1 RMS 2500.65 20.47 60 Pass 60 2580 3000 1 RMS 2701.1 -49.91 -25 Pass 60 3000 12000 1 RMS 11516.946 -54.35 -25 Pass 900 12000 27000 1 RMS 25249.883 -41.24 -25 Pass 1500	30	1000	0.1	RMS	906.49	-63.31	-25	Pass	970
2580 3000 1 RMS 2701.1 -49.91 -25 Pass 60 3000 12000 1 RMS 11516.946 -54.35 -25 Pass 900 12000 27000 1 RMS 25249.883 -41.24 -25 Pass 1500	1000	2490	1	RMS	2446.971	-36.94	-25	Pass	149
3000 12000 1 RMS 11516.946 -54.35 -25 Pass 900 12000 27000 1 RMS 25249.883 -41.24 -25 Pass 1500	2490	2580	1	RMS	2500.65	20.47	60	Pass	60
12000 27000 1 RMS 25249.883 -41.24 -25 Pass 1500	2580	3000	1	RMS	2701.1	-49.91	-25	Pass	60
30- 20- 10- 0- -10- -20-	3000	12000	1	RMS	11516.946	-54.35	-25	Pass	900
20- 10102030-	12000	27000	1	RMS	25249.883	-41.24	-25	Pass	1500
	10-								

18000

16000

20000

22000

24000

27000



# 5.9. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:9, 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	0.122	-71.84	-25	Pass	601
0.15	30	0.01	RMS	0.16	-65.19	-25	Pass	2985
30	1000	0.1	RMS	911.591	-63.35	-25	Pass	9700
1000	2490	1	RMS	2449.973	-36.6	-25	Pass	1490
2490	2580	1	RMS	2530.5	21.3	60	Pass	601
2580	3000	1	RMS	2703.9	-49.87	-25	Pass	601
3000	12000	1	RMS	11510.946	-54.37	-25	Pass	9000
12000	27000	1	RMS	25250.883	-41.23	-25	Pass	15000
20- 10- 0- -10- -20- -20- -30- -40- -50- -60- -70- -85-								



## 5.10. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:10, Channel:21100, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.119	-71.57	-25	Pass	601
0.15	30	0.01	RMS	0.16	-65.22	-25	Pass	2985
30	1000	0.1	RMS	1000	-63.41	-25	Pass	9700
1000	2490	1	RMS	2453.976	-31.59	-25	Pass	1490
2490	2580	1	RMS	2530.65	20.88	60	Pass	601
2580	3000	1	RMS	2696.9	-49.93	-25	Pass	601
3000	12000	1	RMS	11516.946	-54.32	-25	Pass	9000
12000	27000	1	RMS	25242.883	-41.24	-25	Pass	15000
20- 10- 101010104050607080-	4000 6000	8000 1	0000 12000	14000 16000	18000 22	0000 22000	24000	27000
0.009 2000	4000 6000	8000 1	12000 Freq	14000 16000 uency(MHz)	18000 20	0000 22000	24000	27000



# 5.11. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:11, 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	0.116	-71.06	-25	Pass	601
0.15	30	0.01	RMS	0.15	-64.39	-25	Pass	2985
30	1000	0.1	RMS	924.692	-63.29	-25	Pass	9700
1000	2490	1	RMS	2462.982	-50.51	-25	Pass	1490
2490	2580	1	RMS	2560.65	20.79	60	Pass	601
2580	3000	1	RMS	2687.1	-49.9	-25	Pass	601
3000	12000	1	RMS	11518.947	-54.35	-25	Pass	9000
12000	27000	1	RMS	25245.883	-41.17	-25	Pass	15000
20- 10- 1010102030405060708085-								<b>—</b>



## 5.12. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:12, Channel:21400, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)

0.009 0.15 30 1000 2490 2580 3000 12000	0.15 30 1000 2490 2580 3000 12000	0.001 0.01 0.1 1	RMS RMS RMS	0.115 0.15 884.488	-71.52 -64.55	-25 -25	Pass	601
30 1000 2490 2580 3000 12000	1000 2490 2580 3000	0.1	RMS			-25	)	
1000 2490 2580 3000 12000	2490 2580 3000	1		884.488			Pass	2985
2490 2580 3000 12000	2580 3000		RMS		-63.32	-25	Pass	9700
2580 3000 12000	3000	1		2449.973	-35.49	-25	Pass	1490
3000 12000			RMS	2560.65	19.55	60	Pass	601
12000	12000	1	RMS	2706	-49.93	-25	Pass	601
25 -		1	RMS	11515.946	-54.29	-25	Pass	9000
20-	27000	1	RMS	25250.883	-41.25	-25	Pass	15000
-10- -20- (Egg) -30- -40- -50- -60- -70- -80- -85- 0.009 2000		8000 1	0000 12000	14000 16000				



# 5.13. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:13, Channel:20825, 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	0.116	-71.12	-25	Pass	601
0.15	30	0.01	RMS	0.16	-64.07	-25	Pass	2985
30	1000	0.1	RMS	905.29	-63.34	-25	Pass	9700
1000	2490	1	RMS	2487.999	-33.93	-25	Pass	1490
2490	2580	1	RMS	2500.8	21.6	60	Pass	601
2580	3000	1	RMS	2703.9	-49.91	-25	Pass	601
3000	12000	1	RMS	11513.946	-54.36	-25	Pass	9000
12000	27000	1	RMS	25249.883	-41.28	-25	Pass	15000
20- 10- 0- -10- -20- (mgp) -30- -30- -40- -50- -60- -70- -80- -85-								~~~



## 5.14. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:14, Channel:20825, Bandwidth:15, Modulation:Q16, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.12	-72.11	-25	Pass	601
0.15	30	0.01	RMS	0.15	-63.19	-25	Pass	2985
30	1000	0.1	RMS	921.492	-63.28	-25	Pass	9700
1000	2490	1	RMS	2487.999	-39.69	-25	Pass	1490
2490	2580	1	RMS	2500.8	20.4	60	Pass	601
2580	3000	1	RMS	2695.5	-49.89	-25	Pass	601
3000	12000	1	RMS	11514.946	-54.37	-25	Pass	9000
12000	27000	1	RMS	25245.883	-41.25	-25	Pass	15000
10- 0- -10- -20- (RBD) -30-								
-40-								
-50-	L.				~~~~	_^~	~~~~	
-60-				•				
-70 -								
-85 - 0.009 2000	4000 6000	8000 1	10000 12000	14000 16000	18000 20	0000 22000	24000	27000

Frequency(MHz)



# 5.15. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:15, Channel:21100, 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	0.149	-71.7	-25	Pass	601
0.15	30	0.01	RMS	0.15	-64.26	-25	Pass	2985
30	1000	0.1	RMS	904.49	-63.23	-25	Pass	9700
1000	2490	1	RMS	2456.978	-39.09	-25	Pass	1490
2490	2580	1	RMS	2528.4	21.27	60	Pass	601
2580	3000	1	RMS	2699	-49.92	-25	Pass	601
3000	12000	1	RMS	11515.946	-54.32	-25	Pass	9000
12000	27000	1	RMS	25247.883	-41.29	-25	Pass	15000
20- 10- 0- -10- -20- -20- -30- -40- -50- -60- -70- -85-								<b>\</b>



4000

0.009

2000

8000

10000

6000

## 5.16. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:16, Channel:21100, Bandwidth:15, Modulation:Q16, 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	0.132	-71.43	-25	Pass	601
30	0.01	RMS	0.15	-64.5	-25	Pass	2985
1000	0.1	RMS	897.989	-63.38	-25	Pass	9700
2490	1	RMS	2448.972	-33.53	-25	Pass	1490
2580	1	RMS	2528.4	20.85	60	Pass	601
3000	1	RMS	2709.5	-49.93	-25	Pass	601
12000	1	RMS	11515.946	-54.37	-25	Pass	9000
27000	1	RMS	25260.884	-41.2	-25	Pass	15000
							<b>~</b>
	(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)         (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)         (MHz)         Detector (MHz)         (MHz)           0.15         0.001         RMS         0.132           30         0.01         RMS         0.15           1000         0.1         RMS         897.989           2490         1         RMS         2448.972           2580         1         RMS         2528.4           3000         1         RMS         2709.5           12000         1         RMS         11515.946	Frequency (MHz)         (MHz)         Detector (MHz)         (MHz)         (dBm)           0.15         0.001         RMS         0.132         -71.43           30         0.01         RMS         0.15         -64.5           1000         0.1         RMS         897.989         -63.38           2490         1         RMS         2448.972         -33.53           2580         1         RMS         2528.4         20.85           3000         1         RMS         2709.5         -49.93           12000         1         RMS         11515.946         -54.37	Frequency (MHz)         (MHz)         Detector (MHz)         (MHz)         (dBm)         (dBm)           0.15         0.001         RMS         0.132         -71.43         -25           30         0.01         RMS         0.15         -64.5         -25           1000         0.1         RMS         897.989         -63.38         -25           2490         1         RMS         2448.972         -33.53         -25           2580         1         RMS         2528.4         20.85         60           3000         1         RMS         2709.5         -49.93         -25           12000         1         RMS         11515.946         -54.37         -25	Frequency (MHz)         (MHz)         Detector (MHz)         (MHz)         (dBm)         Verdict           0.15         0.001         RMS         0.132         -71.43         -25         Pass           30         0.01         RMS         0.15         -64.5         -25         Pass           1000         0.1         RMS         897.989         -63.38         -25         Pass           2490         1         RMS         2448.972         -33.53         -25         Pass           2580         1         RMS         2528.4         20.85         60         Pass           3000         1         RMS         2709.5         -49.93         -25         Pass           12000         1         RMS         11515.946         -54.37         -25         Pass

12000 14000

Frequency(MHz)

16000

18000

20000 22000

24000

27000



# 5.17. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:17, Channel:21375, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:LOW)

0.009 0.15 30 1000 2490 2580 3000 12000	0.15 30 1000 2490 2580 3000 12000	0.001 0.01 0.1 1	RMS RMS RMS RMS	0.122 0.15 923.492 2454.976	-71.55 -63.56 -63.41	-25 -25	Pass Pass	601 2985
30 1000 2490 2580 3000 12000	1000 2490 2580 3000 12000	0.1	RMS RMS	923.492			Pass	2985
1000 2490 2580 3000 12000	2490 2580 3000 12000	1	RMS		-63.41	25		
2490 2580 3000 12000	2580 3000 12000	1		2454 076		-25	Pass	9700
2580 3000 12000	3000 12000		DMC	2434.976	-33.06	-25	Pass	1490
3000 12000 30- 20- 10-	12000	4	KIVIO	2555.85	20.75	60	Pass	601
12000 30- 20- 10-		1	RMS	2582.1	-37.68	-25	Pass	601
20-		1	RMS	11513.946	-54.31	-25	Pass	9000
10-	27000	1	RMS	25256.884	-41.33	-25	Pass	15000
-10- (mag) -30405060708085-								



## 5.18. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:18, Channel:21375, Bandwidth:15, Modulation:Q16, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.02	-71.36	-25	Pass	601
0.15	30	0.01	RMS	0.15	-63.74	-25	Pass	2985
30	1000	0.1	RMS	912.791	-63.35	-25	Pass	9700
1000	2490	1	RMS	2458.979	-39.94	-25	Pass	1490
2490	2580	1	RMS	2555.85	19.57	60	Pass	601
2580	3000	1	RMS	2582.1	-35.93	-25	Pass	601
3000	12000	1	RMS	11522.947	-54.37	-25	Pass	9000
12000	27000	1	RMS	25246.883	-41.27	-25	Pass	15000
20- 10- 0- -10- -20- (\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\end{\end{\end{\end{\end{\end{\end{\end{								
-70 - -80 - -85 - 0.009 2000	) 4000 6000	8000 1	0000 12000 Freq	14000 16000 uency(MHz)	18000 20	0000 22000	0 24000	27000



5.19. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:19, Channel:20850, 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	0.13	-66.46	-25	Pass	601
0.15	30	0.01	RMS	0.15	-64.25	-25	Pass	2985
30	1000	0.1	RMS	976.298	-63.27	-25	Pass	9700
1000	2490	1	RMS	2482.995	-35.66	-25	Pass	1490
2490	2580	1	RMS	2501.1	21.5	60	Pass	601
2580	3000	1	RMS	2706.7	-49.88	-25	Pass	601
3000	12000	1	RMS	11513.946	-54.3	-25	Pass	9000
12000	27000	1	RMS	25260.884	-41.32	-25	Pass	15000
20- 10- 01020- (\widetilde{\text{Wap}}\) -405060708090100- 0.009 200	0 4000 6000	8000	10000 12000	14000 16000	18000 20	0000 2200	0 24000	27000



## 5.20. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:20, Channel:20850, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)

0.15 30 1000 2490 2580 3000 12000 27000	0.001 0.01 0.1 1 1 1 1	RMS RMS RMS RMS RMS RMS RMS RMS RMS	0.021 0.16 901.09 2482.995 2501.1 2698.3 11518.947 25255.884	-71.8 -64.79 -63.34 -36.32 21.19 -49.9 -54.34 -41.28	-25 -25 -25 -25 60 -25 -25 -25	Pass Pass Pass Pass Pass Pass Pass Pass	601 2985 9700 1490 601 601 9000 15000
1000 2490 2580 3000 12000	0.1 1 1 1 1	RMS RMS RMS RMS RMS	901.09 2482.995 2501.1 2698.3 11518.947	-63.34 -36.32 21.19 -49.9 -54.34	-25 -25 60 -25 -25	Pass Pass Pass Pass Pass	9700 1490 601 601 9000
2490 2580 3000 12000	1 1 1	RMS RMS RMS RMS	2482.995 2501.1 2698.3 11518.947	-36.32 21.19 -49.9 -54.34	-25 60 -25 -25	Pass Pass Pass Pass	1490 601 601 9000
2580 3000 12000	1 1 1	RMS RMS RMS	2501.1 2698.3 11518.947	21.19 -49.9 -54.34	60 -25 -25	Pass Pass Pass	601 601 9000
3000 12000	1	RMS RMS	2698.3 11518.947	-49.9 -54.34	-25 -25	Pass Pass	601 9000
12000	1	RMS	11518.947	-54.34	-25	Pass	9000
		-					
27000	1	RMS	25255.884	-41.28	-25	Pass	15000
					000 6000 8000 10000 12000 14000 16000 18000 20		000 6000 8000 10000 12000 14000 16000 18000 20000 22000 24000  Frequency(MHz)



5.21. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:21, Channel:21100, 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	0.052	-71.37	-25	Pass	601
0.15	30	0.01	RMS	0.15	-64.4	-25	Pass	2985
30	1000	0.1	RMS	897.289	-63.28	-25	Pass	9700
1000	2490	1	RMS	2450.974	-35.19	-25	Pass	1490
2490	2580	1	RMS	2526.15	21.42	60	Pass	601
2580	3000	1	RMS	2703.9	-49.87	-25	Pass	601
3000	12000	1	RMS	11517.946	-54.3	-25	Pass	9000
12000	27000	1	RMS	25259.884	-41.3	-25	Pass	15000
20- 10- 0- -10- -20- 80- -40- -50- -60- -70- -85-								



## 5.22. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:22, Channel:21100, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)

0.009 0.15 30 1000 2490	0.15 30 1000	0.001	RMS	0.116				
30 1000		0.01		0.110	-70.31	-25	Pass	601
1000	1000		RMS	0.15	-64.62	-25	Pass	2985
		0.1	RMS	931.393	-63.32	-25	Pass	9700
2490	2490	1	RMS	2490	-47.47	-25	Pass	1490
	2580	1	RMS	2526.15	20.29	60	Pass	601
2580	3000	1	RMS	2707.4	-49.91	-25	Pass	601
3000	12000	1	RMS	11516.946	-54.29	-25	Pass	9000
12000	27000	1	RMS	25247.883	-41.25	-25	Pass	15000
20- 10- 0- -10- -20- -20- -40- -50- -60- -70- -80- -85-								



# 5.23. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:23, 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	0.144	-71.69	-25	Pass	601
0.15	30	0.01	RMS	0.16	-64.19	-25	Pass	2985
30	1000	0.1	RMS	883.888	-63.37	-25	Pass	9700
1000	2490	1	RMS	2452.975	-50.45	-25	Pass	1490
2490	2580	1	RMS	2551.05	21.02	60	Pass	601
2580	3000	1	RMS	2587	-37.75	-25	Pass	601
3000	12000	1	RMS	11519.947	-54.27	-25	Pass	9000
12000	27000	1	RMS	25255.884	-41.25	-25	Pass	15000
20- 10- 0- -10- -20- -20- -30- -40- -50- -60- -70- -80-								



## 5.24. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:24, Channel:21350, Bandwidth:20, Modulation:Q16, RB Number: 1, RB Position:LOW)

0.15 30 1000	0.001	RMS					Point
	0.04		0.123	-71.43	-25	Pass	601
1000	0.01	RMS	0.17	-65.49	-25	Pass	2985
1000	0.1	RMS	898.89	-63.28	-25	Pass	9700
2490	1	RMS	2460.981	-48.91	-25	Pass	1490
2580	1	RMS	2551.05	20.29	60	Pass	601
3000	1		2587		-25	Pass	601
	1						9000
27000	1	RMS	25264.884	-41.27	-25	Pass	15000
		3000 1 12000 1 27000 1	3000 1 RMS 12000 1 RMS 27000 1 RMS  4000 6000 8000 10000 12000	3000 1 RMS 2587 12000 1 RMS 11517.946 27000 1 RMS 25264.884	3000 1 RMS 2587 -38.42 12000 1 RMS 11517.946 -54.28 27000 1 RMS 25264.884 -41.27	3000 1 RMS 2587 -38.42 -25 12000 1 RMS 11517.946 -54.28 -25 27000 1 RMS 25264.884 -41.27 -25	3000 1 RMS 2587 -38.42 -25 Pass 12000 1 RMS 25264.884 -41.27 -25 Pass 27000 1 RMS 25264.884 -41.27 -25 Pass

