

### **A.5 Spurious Emission at Antenna Terminals**

Document No: BL-SZ1840038 Page 1 of 70



#### 1. GPRS\_GSM850

#### 1.1. GPRS Spurious Emission at Antenna Terminals(NTNV)(Channel:128)

0.15	30 C 00 00	001 0.01 0.1 1	Peak Peak Peak Peak Peak	0.015 0.69 429.585 824.265 8885.963	-54.06 -52.05 -42.5 32.26 -21.51	-13 -13 -13 -13	Pass Pass Pass N/A Pass	401 2985 4700 5000 9000
30 5 500 10 1000 100 40- 30- 20- 10- 0- (Eg) -10- P) -20-	00	0.1	Peak Peak	429.585 824.265	-42.5 32.26	-13 -13	Pass N/A	4700 5000
500 10 1000 1000 40- 30- 20- 10- 0- (Eg) -10- 20- 20- 20- 20- 20- 20- 20- 2	00	0.1	Peak	824.265	32.26	-13	N/A	5000
1000 100 40- 30- 20- 10- 0- (Eg -10- P) -20-								
40- 30- 20- 10- 0- (\(\text{\text{\$M\$}}\) -10-	00	1	Peak	8885.963	-21.51	-13	Pass	9000
30- 20- 10- 0- (\tilde{AB}) -10-								
-40 - -50 - -60 - -70 - 0.009 1000 20	00 30	000	4000 Freque	5000 6000 Jency(MHz)	7000	8000	9000	10000



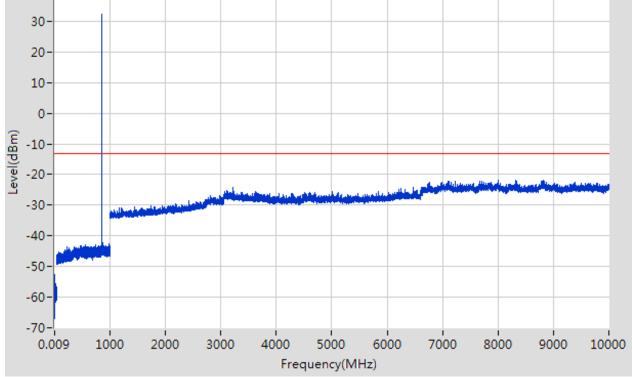
#### 1.2. GPRS Spurious Emission at Antenna Terminals(NTNV)(Channel:190)

(MHz)	(MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	Peak	0.009	-54.83	-13	Pass	401
0.15	30	0.01	Peak	0.16	-52.09	-13	Pass	2985
30	500	0.1	Peak	376.474	-43.27	-13	Pass	4700
500	1000	0.1	Peak	836.667	32.35	-13	N/A	5000
1000	10000	1	Peak	8799.952	-21.85	-13	Pass	9000
30- 20- 10- 0- (\text{\$\exitt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\exitt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\exitt{\$\text{\$\exitt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\ext{\$\text{\$\exitt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\exitt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\exitint{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$	1000 2000	3000	4000 Frequ	5000 6000 Jency(MHz)	7000	8000	9000	10000



#### 1.3. GPRS Spurious Emission at Antenna Terminals(NTNV)(Channel:251)

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	0.013	-53.72	-13	Pass	401
0.15	30	0.01	Peak	0.22	-52.59	-13	Pass	2985
30	500	0.1	Peak	478.896	-43.34	-13	Pass	4700
500	1000	0.1	Peak	848.77	32.21	-13	N/A	5000
1000	10000	1	Peak	8001.855	-21.97	-13	Pass	9000
40 - 30 - 20 -								





#### 2. GPRS\_PCS

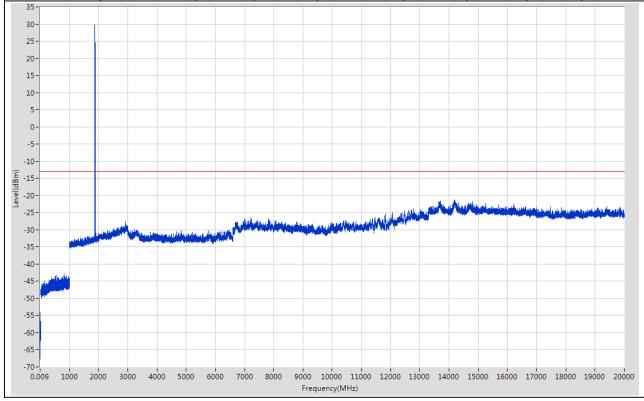
#### 2.1. GPRS Spurious Emission at Antenna Terminals(NTNV)(Channel:512)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detecto r	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdic t	Sweep Point
0.009	0.15	0.001	Peak	0.012	-55.4	-13	Pass	401
0.15	30	0.01	Peak	0.42	-53.46	-13	Pass	2985
30	1000	0.1	Peak	942.524	-42.9	-13	Pass	9699
1000	3000	1	Peak	1850.425	29.72	-13	N/A	2000
3000	20000	1	Peak	14878.45	-21.19	-13	Pass	17000
35 - 30 - 25 - 20 - 15 - 10 - 5 10 - (Egp) 3 - 20 - 25 30 - 35 - 40 - 45 - 50 - 40 - 45 - 50 - 40								



#### 2.2. GPRS Spurious Emission at Antenna Terminals(NTNV)(Channel:661)

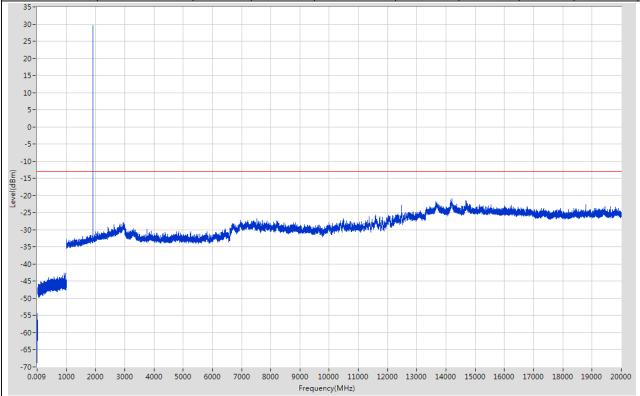
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detecto r	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdic t	Sweep Point
0.009	0.15	0.001	Peak	0.011	-56.98	-13	Pass	401
0.15	30	0.01	Peak	0.19	-54.01	-13	Pass	2985
30	1000	0.1	Peak	813.196	-42.88	-13	Pass	9699
1000	3000	1	Peak	1880.44	29.66	-13	N/A	2000
3000	20000	1	Peak	14208.368	-21.31	-13	Pass	17000





#### 2.3. GPRS Spurious Emission at Antenna Terminals(NTNV)(Channel:810)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detecto r	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdic t	Sweep Point
0.009	0.15	0.001	Peak	0.011	-56.39	-13	Pass	401
0.15	30	0.01	Peak	0.27	-54.39	-13	Pass	2985
30	1000	0.1	Peak	964.353	-42.64	-13	Pass	9699
1000	3000	1	Peak	1909.455	29.55	-13	N/A	2000
3000	20000	1	Peak	14204.368	-20.97	-13	Pass	17000





#### 3. EGPRS\_GSM850

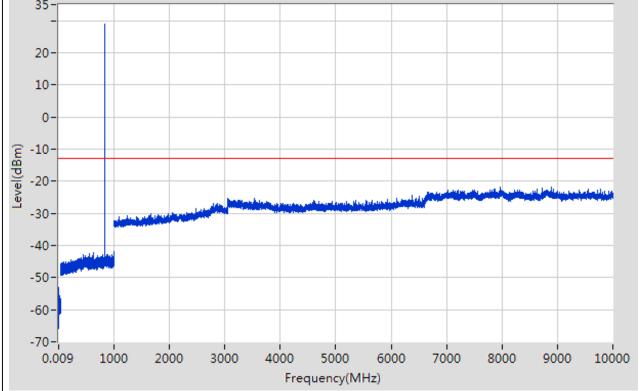
#### 3.1. EGPRS Spurious Emission at Antenna Terminals(NTNV)(Channel:128)

Fr	Start requency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
	0.009	0.15	0.001	Peak	0.013	-54.4	-13	Pass	401
	0.15	30	0.01	Peak	0.15	-54.2	-13	Pass	2985
	30	500	0.1	Peak	387.676	-43.24	-13	Pass	4700
	500	1000	0.1	Peak	824.165	28.7	-13	N/A	5000
	1000	10000	1	Peak	7998.854	-21.57	-13	Pass	9000
Level(dBm)	20- 10- 0- -10- -20- -30- -40- -50- -60- -70- 0.009	1000 2000	3000	4000	5000 6000	7000	8000	9000	10000
				Frequ	iency(MHz)				



#### 3.2. EGPRS Spurious Emission at Antenna Terminals(NTNV)(Channel:190)

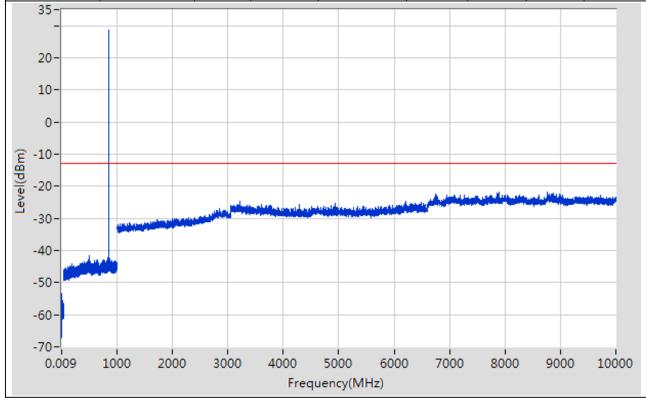
Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.15	0.001	Peak	0.009	-54.45	-13	Pass	401
30	0.01	Peak	0.18	-53.04	-13	Pass	2985
500	0.1	Peak	440.287	-42.84	-13	Pass	4700
1000	0.1	Peak	836.567	28.98	-13	N/A	5000
10000	1	Peak	7973.851	-21.71	-13	Pass	9000
	Frequency (MHz) 0.15 30 500 1000	Frequency (MHz)         RBW (MHz)           0.15         0.001           30         0.01           500         0.1           1000         0.1	Frequency (MHz)         RBW (MHz)         Detector           0.15         0.001         Peak           30         0.01         Peak           500         0.1         Peak           1000         0.1         Peak	Frequency (MHz)         RBW (MHz)         Detector (MHz)         Frequency (MHz)           0.15         0.001         Peak         0.009           30         0.01         Peak         0.18           500         0.1         Peak         440.287           1000         0.1         Peak         836.567	Frequency (MHz)         RBW (MHz)         Detector         Frequency (MHz)         Power (dBm)           0.15         0.001         Peak         0.009         -54.45           30         0.01         Peak         0.18         -53.04           500         0.1         Peak         440.287         -42.84           1000         0.1         Peak         836.567         28.98	Frequency (MHz)         RBW (MHz)         Detector (MHz)         Frequency (MHz)         Power (dBm)         Limit (dBm)           0.15         0.001         Peak         0.009         -54.45         -13           30         0.01         Peak         0.18         -53.04         -13           500         0.1         Peak         440.287         -42.84         -13           1000         0.1         Peak         836.567         28.98         -13	Frequency (MHz)         RBW (MHz)         Detector (MHz)         Frequency (MHz)         Power (dBm)         Limit (dBm)         Verdict           0.15         0.001         Peak         0.009         -54.45         -13         Pass           30         0.01         Peak         0.18         -53.04         -13         Pass           500         0.1         Peak         440.287         -42.84         -13         Pass           1000         0.1         Peak         836.567         28.98         -13         N/A





#### 3.3. EGPRS Spurious Emission at Antenna Terminals(NTNV)(Channel:251)

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	0.011	-54.05	-13	Pass	401
0.15	30	0.01	Peak	0.23	-53.29	-13	Pass	2985
30	500	0.1	Peak	474.395	-42.8	-13	Pass	4700
500	1000	0.1	Peak	848.87	28.73	-13	N/A	5000
1000	10000	1	Peak	7888.841	-21.69	-13	Pass	9000





#### 4. EGPRS\_PCS

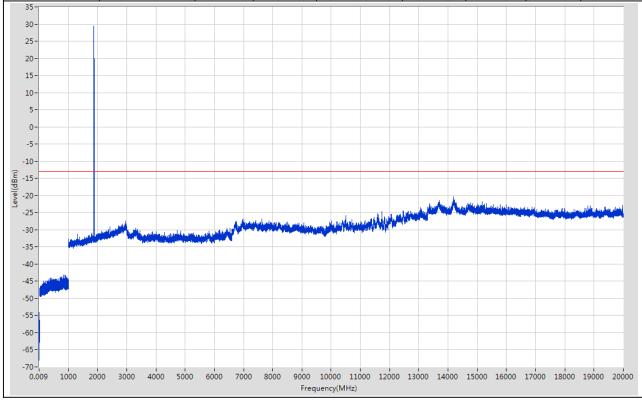
#### 4.1. EGPRS Spurious Emission at Antenna Terminals(NTNV)(Channel:512)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detecto r	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdic t	Sweep Point
0.009	0.15	0.001	Peak	0.009	-54.71	-13	Pass	401
0.15	30	0.01	Peak	0.17	-53.76	-13	Pass	2985
30	1000	0.1	Peak	866.823	-43.14	-13	Pass	9699
1000	3000	1	Peak	1850.425	29.44	-13	N/A	2000
3000	20000	1	Peak	14168.363	-21.07	-13	Pass	17000
30 - 25 - 20 - 15 - 10 - (Egp) - 20 - 25 - 30 - 35 - 35 - 35 - 35 - 35 - 35 - 3				Harris Andrew College			for least defining the	
-40 - -45 - -50 - -55 - -60 - -65 -								



#### 4.2. EGPRS Spurious Emission at Antenna Terminals(NTNV)(Channel:661)

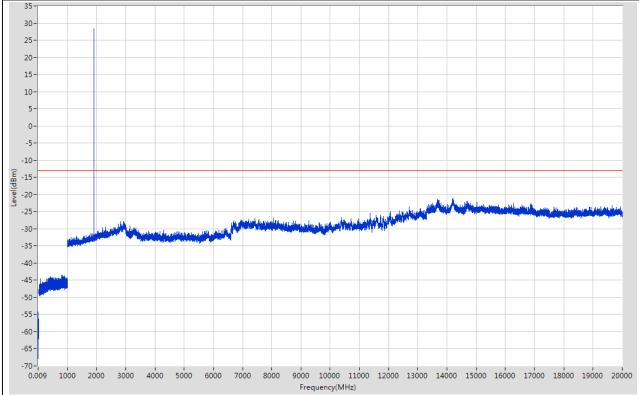
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detecto r	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdic t	Sweep Point
0.009	0.15	0.001	Peak	0.012	-56.34	-13	Pass	401
0.15	30	0.01	Peak	0.22	-54	-13	Pass	2985
30	1000	0.1	Peak	852.705	-43.12	-13	Pass	9699
1000	3000	1	Peak	1880.44	29.38	-13	N/A	2000
3000	20000	1	Peak	14184.365	-20.48	-13	Pass	17000





#### 4.3. EGPRS Spurious Emission at Antenna Terminals(NTNV)(Channel:810)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detecto r	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdic t	Sweep Point
0.009	0.15	0.001	Peak	0.009	-57.4	-13	Pass	401
0.15	30	0.01	Peak	0.22	-54.3	-13	Pass	2985
30	1000	0.1	Peak	803.894	-43.46	-13	Pass	9699
1000	3000	1	Peak	1910.455	28.29	-13	N/A	2000
3000	20000	1	Peak	14200.367	-21.01	-13	Pass	17000





#### 5. WCDMA\_Band2

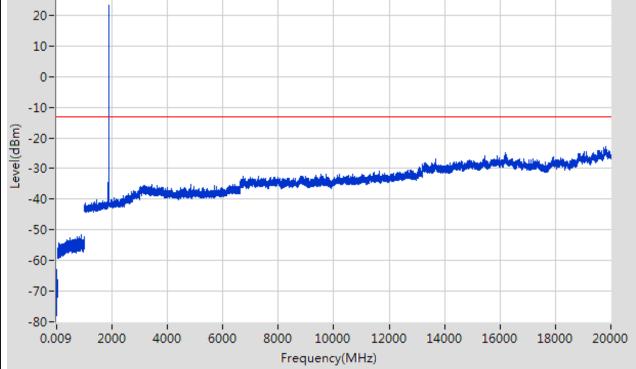
#### 5.1. WCDMA Spurious Emission at Antenna Terminals(NTNV)(Channel:9262)

0.15 30 0.01 Peak 0.25 -62.53 -13 Pass 29 30 1000 0.1 Peak 478.955 -52.47 -13 Pass 96 1000 3000 1 Peak 1853.427 23.32 -13 N/A 20 3000 20000 1 Peak 19788.657 -22.93 -13 Pass 170  20- 10- 0106070-	Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30 1000 0.1 Peak 478.955 -52.47 -13 Pass 96 1000 3000 1 Peak 1853.427 23.32 -13 N/A 20 3000 20000 1 Peak 19788.657 -22.93 -13 Pass 170  30 - 20 - 1010506070 -	0.009	0.15	0.001	Peak	0.011	-64.74	-13	Pass	401
1000 3000 1 Peak 1853.427 23.32 -13 N/A 20 3000 20000 1 Peak 19788.657 -22.93 -13 Pass 170  20- 10- 01040506070-	0.15	30	0.01	Peak	0.25	-62.53	-13	Pass	2985
300 2000 1 Peak 19788.657 -22.93 -13 Pass 170  20- 10- 0103040506070-	30	1000	0.1	Peak	478.955	-52.47	-13	Pass	9699
30 - 20 - 10	1000	3000	1	Peak	1853.427	23.32	-13	N/A	2000
20- 10- 0- -10- -30- -40- -50- -60- -70-		20000	1	Peak	19788.657	-22.93	-13	Pass	17000
	10- 0- -10- (mg -20- -30- -40- -50- -60- -70- -80-	2000 4000	6000			0 14000	16000	18000	20000



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

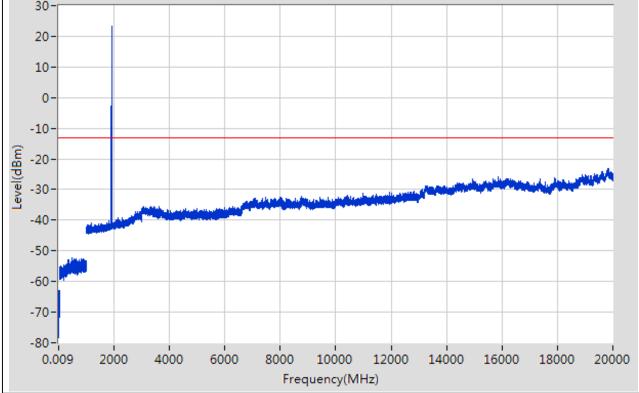
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	Peak	0.011	-66.27	-13	Pass	401
0.15	30	0.01	Peak	0.15	-63.07	-13	Pass	2985
30	1000	0.1	Peak	894.961	-51.44	-13	Pass	9699
1000	3000	1	Peak	1878.439	23.26	-13	N/A	2000
3000	20000	1	Peak	19822.712	-22.83	-13	Pass	17000
30- 20- 10- 0-								





#### 5.3. 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	0.009	-65.19	-13	Pass	401
0.15	30	0.01	Peak	14.325	-62.83	-13	Pass	2985
30	1000	0.1	Peak	462.553	-52.24	-13	Pass	9699
1000	3000	1	Peak	1906.453	23.16	-13	N/A	2000
3000	20000	1	Peak	19804.683	-23.01	-13	Pass	17000
30-								





#### 6. WCDMA\_Band4

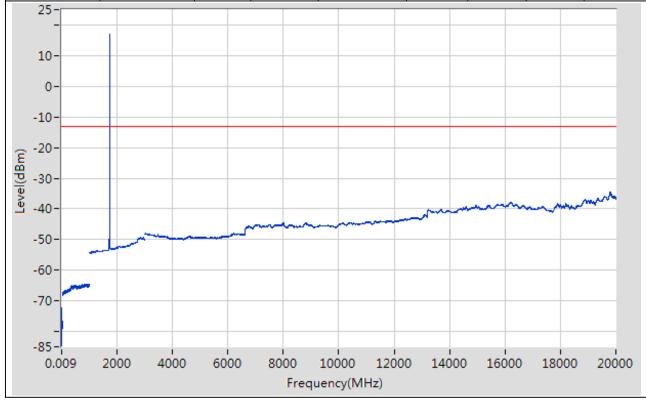
#### 6.1. WCDMA Spurious Emission at Antenna Terminals(NTNV)(Channel:1312)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.011	-73.33	-13	Pass	401
0.15	30	0.01	RMS	0.2	-72.7	-13	Pass	2985
30	1000	0.1	RMS	857.611	-64.58	-13	Pass	9699
1000	3000	1	RMS	1711.356	17.22	-13	N/A	2000
3000	20000	1	RMS	19800.676	-34.48	-13	Pass	17000
10- 0- -10- -20- (mgp) -30- -30- -50- -60- -70- -85- 0.009	2000 4000	6000	8000 Eregu	10000 12000 lency(MHz)	0 14000	16000	18000	20000



#### 6.2. WCDMA Spurious Emission at Antenna Terminals(NTNV)(Channel:1412)

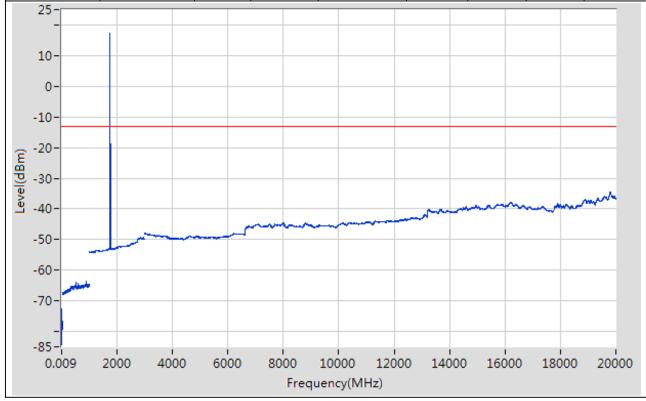
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-72.41	-13	Pass	401
0.15	30	0.01	RMS	0.19	-72.69	-13	Pass	2985
30	1000	0.1	RMS	848.9	-64.55	-13	Pass	9699
1000	3000	1	RMS	1732.366	17.13	-13	N/A	2000
3000	20000	1	RMS	19802.68	-34.44	-13	Pass	17000





#### 6.3. WCDMA Spurious Emission at Antenna Terminals(NTNV)(Channel:1513)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.011	-73.01	-13	Pass	401
0.15	30	0.01	RMS	0.16	-72.56	-13	Pass	2985
30	1000	0.1	RMS	893.158	-63.54	-13	Pass	9699
1000	3000	1	RMS	1752.376	17.15	-13	N/A	2000
3000	20000	1	RMS	19799.675	-34.46	-13	Pass	17000





#### 7. WCDMA\_Band5

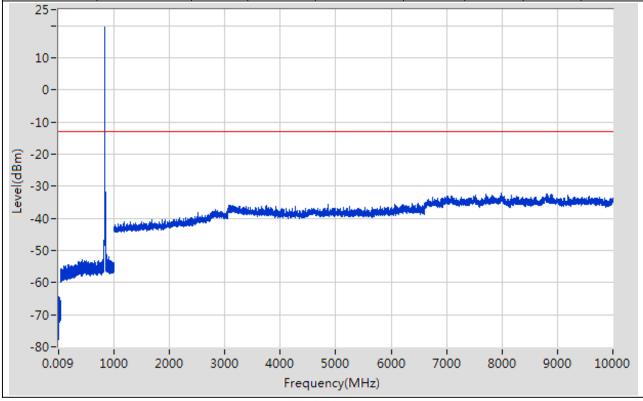
#### 7.1. WCDMA Spurious Emission at Antenna Terminals(NTNV)(Channel:4132)

0.009	Fr	Start equency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30 500 0.1 Peak 412.181 -52.85 -13 Pass 4700 500 1000 0.1 Peak 827.065 18.19 -13 N/A 5000 1000 10000 1 Peak 8802.953 -30.95 -13 Pass 9000  25 - 10 - 10 - 10		0.009	0.15	0.001	Peak	0.009	-65.59	-13	Pass	401
500 1000 0.1 Peak 827.065 18.19 -13 N/A 5000 1000 10000 1 Peak 8802.953 -30.95 -13 Pass 9000  25		0.15	30	0.01	Peak	0.39	-63.96	-13	Pass	2985
1000 10000 1 Peak 8802.953 -30.95 -13 Pass 9000  25		30	500	0.1	Peak	412.181	-52.85	-13	Pass	4700
25- 10- 0- -10- -20- -40- -50- -60- -70- -80-		500	1000	0.1	Peak	827.065		-13		5000
10- 0- -10- -30- -40- -50- -60- -70- -80-			10000	1	Peak	8802.953	-30.95	-13	Pass	9000
	Level(dBm)	0- -10- -20- -30- -40- -50- -60- -70- -80-	1000 2000	3000	4000	5000 6000	) 7000	8000	9000	10000



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

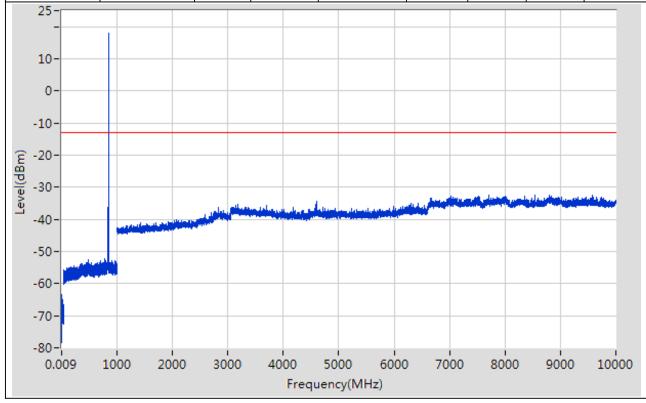
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	Peak	0.01	-65.59	-13	Pass	401
0.15	30	0.01	Peak	0.24	-64.21	-13	Pass	2985
30	500	0.1	Peak	432.486	-52.92	-13	Pass	4700
500	1000	0.1	Peak	835.567	19.42	-13	N/A	5000
1000	10000	1	Peak	7985.853	-32.14	-13	Pass	9000





#### 7.3. 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	0.011	-65.12	-13	Pass	401
0.15	30	0.01	Peak	0.16	-63.42	-13	Pass	2985
30	500	0.1	Peak	481.096	-52.53	-13	Pass	4700
500	1000	0.1	Peak	846.969	17.92	-13	N/A	5000
1000	10000	1	Peak	8532.92	-32.42	-13	Pass	9000





#### 8. LTE\_Band5

## 8.1. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:1, Channel:20407, 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	Peak	0.013	-66.37	-13	Pass	401
0.15	30	0.01	Peak	0.43	-64.79	-13	Pass	2985
30	814	0.1	Peak	813.5	-52.8	-13	Pass	7840
814	860	0.1	Peak	824.222	25.01	60	Pass	460
860	1000	0.1	Peak	978.985	-54.1	-13	Pass	1400
1000	3000	1	Peak	2959.98	-37.93	-13	Pass	2000
3000	10000	1	Peak	8805.829	-32.16	-13	Pass	7000
35- 25- 0- (mg)-25-								halajui

1000

2000

3000

4000

5000

Frequency(MHz)

6000

7000

8000

9000

10000

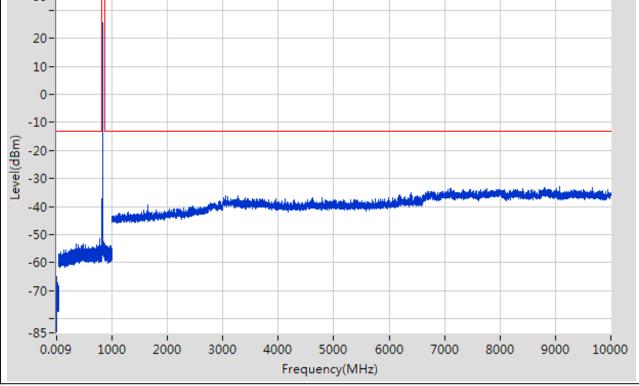
-75

-90-0.009



### 8.2. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:2, Channel:20407, Bandwidth:1.4, Modulation:Q16, RB Number: 1, RB Position:LOW)

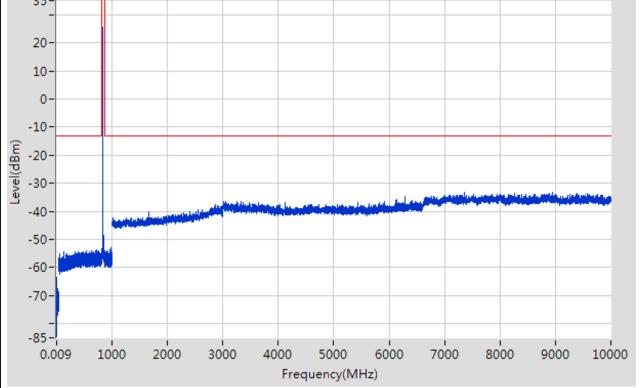
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	Peak	0.01	-67.57	-13	Pass	401
0.15	30	0.01	Peak	0.16	-65.02	-13	Pass	2985
30	814	0.1	Peak	785.496	-51.62	-13	Pass	7840
814	860	0.1	Peak	824.222	25.4	60	Pass	460
860	1000	0.1	Peak	862.502	-53.37	-13	Pass	1400
1000	3000	1	Peak	2942.971	-38.1	-13	Pass	2000
3000	10000	1	Peak	9076.868	-33	-13	Pass	7000
35- 20- 10- 0-								





# 8.3. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:3, Channel:20525, 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	Peak	0.016	-67.36	-13	Pass	401
0.15	30	0.01	Peak	0.18	-63.6	-13	Pass	2985
30	814	0.1	Peak	727.189	-53.7	-13	Pass	7840
814	860	0.1	Peak	836.048	25.34	60	Pass	460
860	1000	0.1	Peak	986.891	-52.78	-13	Pass	1400
1000	3000	1	Peak	2868.934	-37.57	-13	Pass	2000
3000	10000	1	Peak	8948.85	-33.13	-13	Pass	7000
35- 20- 10- 0-								





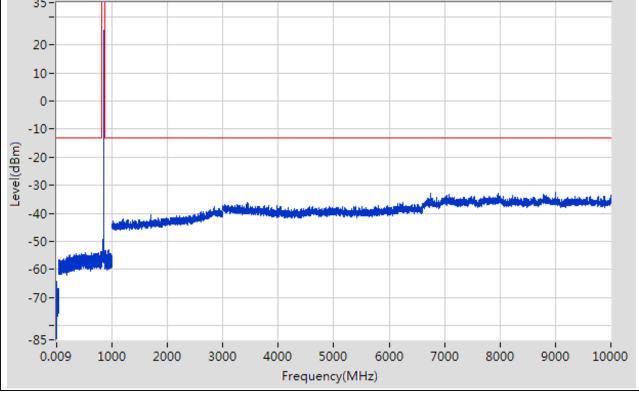
## 8.4. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:4, Channel:20525, Bandwidth:1.4, Modulation:Q16, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	Peak	0.01	-67.74	-13	Pass	401
0.15	30	0.01	Peak	0.19	-65.08	-13	Pass	2985
30	814	0.1	Peak	526.063	-53.53	-13	Pass	7840
814	860	0.1	Peak	836.048	25.65	60	Pass	460
860	1000	0.1	Peak	908.435	-53.2	-13	Pass	1400
1000	3000	1	Peak	2962.981	-37.57	-13	Pass	2000
3000	10000	1	Peak	9618.946	-33.22	-13	Pass	7000
-75- -90- 0.009	1000 2000	3000	4000 Frequ	5000 6000 sency(MHz)	) 7000	8000	9000	10000



# 8.5. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:5, Channel:20643, Bandwidth:1.4, Modulation:QPSK, RB Number: 1, RB Position:LOW)

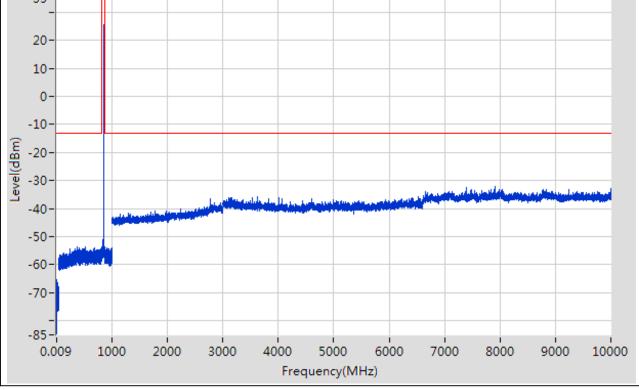
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	Peak	0.01	-66.7	-13	Pass	401
0.15	30	0.01	Peak	0.2	-64.26	-13	Pass	2985
30	814	0.1	Peak	810.2	-53.58	-13	Pass	7840
814	860	0.1	Peak	847.773	25.16	60	Pass	460
860	1000	0.1	Peak	945.861	-52.77	-13	Pass	1400
1000	3000	1	Peak	2846.923	-37.71	-13	Pass	2000
3000	10000	1	Peak	9003.858	-32.56	-13	Pass	7000
20-								





### 8.6. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:6, Channel:20643, Bandwidth:1.4, Modulation:Q16, RB Number: 1, RB Position:LOW)

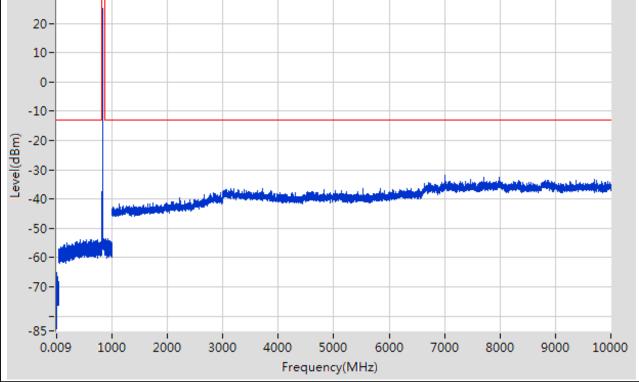
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	Peak	0.011	-68.14	-13	Pass	401
0.15	30	0.01	Peak	0.21	-65.27	-13	Pass	2985
30	814	0.1	Peak	525.963	-53.51	-13	Pass	7840
814	860	0.1	Peak	847.874	25.52	60	Pass	460
860	1000	0.1	Peak	875.311	-53.6	-13	Pass	1400
1000	3000	1	Peak	2772.886	-36.46	-13	Pass	2000
3000	10000	1	Peak	7911.702	-32.28	-13	Pass	7000
20-								





### 8.7. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:7, Channel:20415, 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	Peak	0.01	-67.7	-13	Pass	401
0.15	30	0.01	Peak	0.16	-65.12	-13	Pass	2985
30	814	0.1	Peak	539.165	-53.78	-13	Pass	7840
814	860	0.1	Peak	824.322	25	60	Pass	460
860	1000	0.1	Peak	919.843	-53.43	-13	Pass	1400
1000	3000	1	Peak	2949.975	-37.86	-13	Pass	2000
3000	10000	1	Peak	7011.573	-32.03	-13	Pass	7000
30- 20- 10- 0-								





### 8.8. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:8, Channel:20415, 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	Peak	0.009	-67.11	-13	Pass	401
0.15	30	0.01	Peak	0.15	-64.38	-13	Pass	2985
30	814	0.1	Peak	813.4	-53.06	-13	Pass	7840
814	860	0.1	Peak	824.222	25.68	60	Pass	460
860	1000	0.1	Peak	993.896	-53.83	-13	Pass	1400
1000	3000	1	Peak	2847.924	-37.19	-13	Pass	2000
3000	10000	1	Peak	7481.64	-32.62	-13	Pass	7000
-75 - -90 - 0.009	1000 2000	3000	4000	5000 6000 iency(MHz)	7000	8000	9000	10000

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### 8.9. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:9, Channel:20525, 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	Peak	0.009	-65.13	-13	Pass	401
0.15	30	0.01	Peak	0.23	-65.49	-13	Pass	2985
30	814	0.1	Peak	455.254	-53.21	-13	Pass	7840
814	860	0.1	Peak	835.146	25.4	60	Pass	460
860	1000	0.1	Peak	911.937	-53.8	-13	Pass	1400
1000	3000	1	Peak	2944.972	-37.36	-13	Pass	2000
3000	10000	1	Peak	9024.861	-32.66	-13	Pass	7000
25- 0- ((MgB) -25- -50- -75- -90- 0.009	1000 2000	3000	4000	5000 6000 lency(MHz)	7000	8000	9000	10000



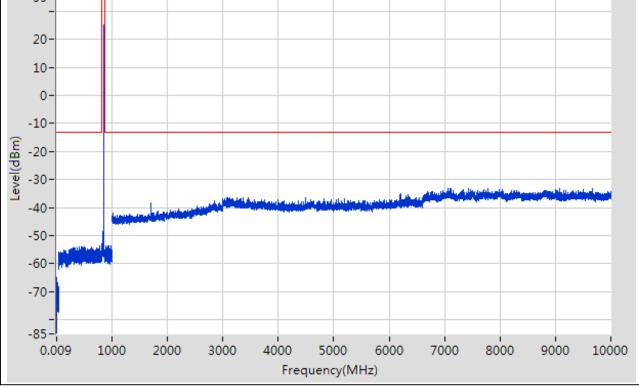
### 8.10. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:10, Channel:20525, Bandwidth:3, Modulation:Q16, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	Peak	0.011	-67.43	-13	Pass	401
0.15	30	0.01	Peak	0.15	-63.15	-13	Pass	2985
30	814	0.1	Peak	730.189	-52.88	-13	Pass	7840
814	860	0.1	Peak	835.246	26.15	60	Pass	460
860	1000	0.1	Peak	879.714	-52.89	-13	Pass	1400
1000	3000	1	Peak	2940.97	-37.51	-13	Pass	2000
3000	10000	1	Peak	8791.827	-32.88	-13	Pass	7000
-75 - -90 - 0.009	1000 2000	3000	4000	5000 6000 iency(MHz)	7000	8000	9000	10000



### 8.11. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:11, Channel:20635, Bandwidth:3, Modulation:QPSK, RB Number: 1, RB Position:LOW)

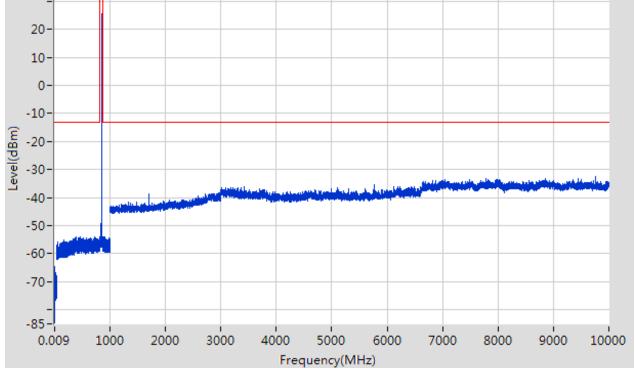
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	Peak	0.016	-67.07	-13	Pass	401
0.15	30	0.01	Peak	0.19	-64.95	-13	Pass	2985
30	814	0.1	Peak	778.996	-53.72	-13	Pass	7840
814	860	0.1	Peak	846.27	25.3	60	Pass	460
860	1000	0.1	Peak	945.361	-53.51	-13	Pass	1400
1000	3000	1	Peak	2851.926	-37.56	-13	Pass	2000
3000	10000	1	Peak	7096.585	-33.04	-13	Pass	7000
35- 20- 10-								





### 8.12. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:12, Channel:20635, Bandwidth:3, Modulation:Q16, RB Number: 1, RB Position:LOW)

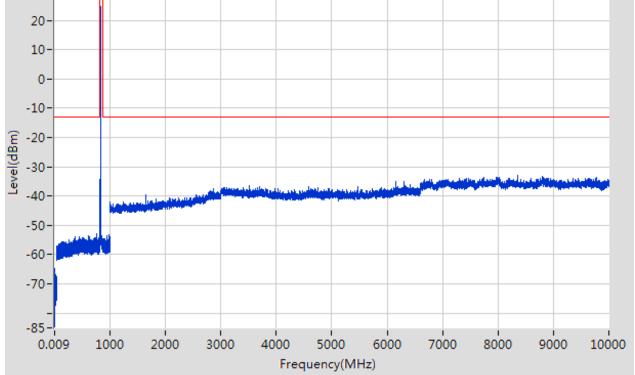
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	Peak	0.016	-67.16	-13	Pass	401
0.15	30	0.01	Peak	0.15	-64.74	-13	Pass	2985
30	814	0.1	Peak	394.847	-53.91	-13	Pass	7840
814	860	0.1	Peak	846.27	25.68	60	Pass	460
860	1000	0.1	Peak	869.207	-53.83	-13	Pass	1400
1000	3000	1	Peak	2948.974	-38.36	-13	Pass	2000
3000	10000	1	Peak	9751.965	-32.58	-13	Pass	7000
35 - 20 - 10 - 0 -								





### 8.13. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:13, Channel:20425, 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	Peak	0.011	-67.17	-13	Pass	401
0.15	30	0.01	Peak	0.22	-64.61	-13	Pass	2985
30	814	0.1	Peak	749.992	-52.92	-13	Pass	7840
814	860	0.1	Peak	824.322	24.68	60	Pass	460
860	1000	0.1	Peak	971.38	-53.08	-13	Pass	1400
1000	3000	1	Peak	2858.929	-37.46	-13	Pass	2000
3000	10000	1	Peak	8348.764	-33.08	-13	Pass	7000
30- 20- 10- 0-								





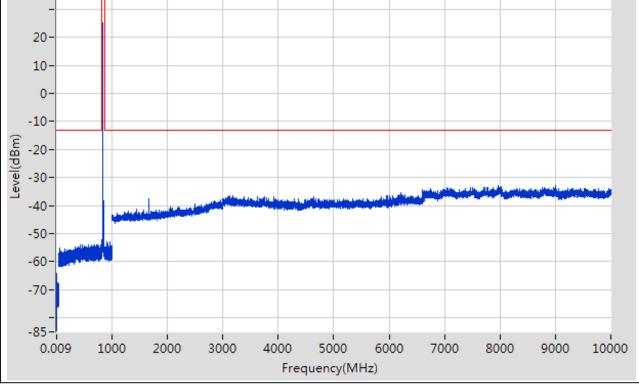
### 8.14. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:14, Channel:20425, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	Peak	0.015	-67.09	-13	Pass	401
0.15	30	0.01	Peak	0.19	-64.04	-13	Pass	2985
30	814	0.1	Peak	813.2	-53.49	-13	Pass	7840
814	860	0.1	Peak	824.322	25.41	60	Pass	460
860	1000	0.1	Peak	941.358	-53.8	-13	Pass	1400
1000	3000	1	Peak	2929.965	-38.06	-13	Pass	2000
3000	10000	1	Peak	7984.712	-33	-13	Pass	7000
25- 0- (Egp) -25- -50- -75- -90- 0.009	1000 2000	3000	4000	5000 6000 iency(MHz)	7000	8000	9000	10000



#### 8.15. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:15, Channel:20525, 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	Peak	0.01	-67.22	-13	Pass	401
0.15	30	0.01	Peak	0.22	-64.23	-13	Pass	2985
30	814	0.1	Peak	729.189	-53.87	-13	Pass	7840
814	860	0.1	Peak	834.344	25.32	60	Pass	460
860	1000	0.1	Peak	965.575	-52.77	-13	Pass	1400
1000	3000	1	Peak	1668.334	-37.59	-13	Pass	2000
3000	10000	1	Peak	7971.71	-32.68	-13	Pass	7000
20-								





### 8.16. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:16, Channel:20525, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)



### 8.17. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:17, Channel:20625, 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	Peak	0.011	-68.3	-13	Pass	401
0.15	30	0.01	Peak	2.251	-65.13	-13	Pass	2985
30	814	0.1	Peak	775.195	-53.52	-13	Pass	7840
814	860	0.1	Peak	844.366	25.41	60	Pass	460
860	1000	0.1	Peak	956.569	-53.97	-13	Pass	1400
1000	3000	1	Peak	2814.907	-37.1	-13	Pass	2000
3000	10000	1	Peak	7945.707	-33.11	-13	Pass	7000
25- 0- (mgp) -25- -50- -75- -90- 0.009	1000 2000	3000	4000	5000 6000 iency(MHz)	7000	8000	9000	10000



### 8.18. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:18, Channel:20625, 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	Peak	0.011	-66.97	-13	Pass	401
0.15	30	0.01	Peak	0.89	-64.96	-13	Pass	2985
30	814	0.1	Peak	466.756	-53.75	-13	Pass	7840
814	860	0.1	Peak	844.366	25.48	60	Pass	460
860	1000	0.1	Peak	879.114	-53.61	-13	Pass	1400
1000	3000	1	Peak	2782.891	-37.9	-13	Pass	2000
3000	10000	1	Peak	8775.825	-32.82	-13	Pass	7000
25- 0- (Egp) -25- -50-								
-90-¦ 0.009	1000 2000	3000	4000 Frequ	5000 6000 iency(MHz)	7000	8000	9000	10000



### 8.19. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:19, Channel:20450, 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	Peak	0.01	-65.38	-13	Pass	401
0.15	30	0.01	Peak	0.22	-64.75	-13	Pass	2985
30	814	0.1	Peak	465.756	-51.87	-13	Pass	7840
814	860	0.1	Peak	824.523	24.91	60	Pass	460
860	1000	0.1	Peak	952.766	-53.29	-13	Pass	1400
1000	3000	1	Peak	2758.879	-37.76	-13	Pass	2000
3000	10000	1	Peak	8239.749	-32.23	-13	Pass	7000
20- 10- 0- -10- (Egp) -30- -40- -50- -60-		A Marie Mari						

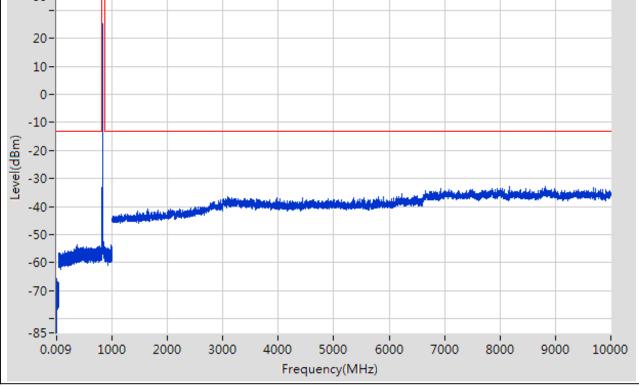
-85-0.009

Frequency(MHz)



#### 8.20. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:20, Channel:20450, 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	Peak	0.009	-66.57	-13	Pass	401
0.15	30	0.01	Peak	0.33	-65.72	-13	Pass	2985
30	814	0.1	Peak	362.142	-53.73	-13	Pass	7840
814	860	0.1	Peak	824.523	25.14	60	Pass	460
860	1000	0.1	Peak	981.387	-53.76	-13	Pass	1400
1000	3000	1	Peak	2958.979	-37.44	-13	Pass	2000
3000	10000	1	Peak	8820.832	-32.73	-13	Pass	7000
35- 20- 10- 0-								





### 8.21. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:21, Channel:20525, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

(MHz)	Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	Peak	0.01	-67.59	-13	Pass	401
0.15	30	0.01	Peak	0.57	-65.35	-13	Pass	2985
30	814	0.1	Peak	592.472	-53.26	-13	Pass	7840
814	860	0.1	Peak	832.039	25.19	60	Pass	460
860	1000	0.1	Peak	873.31	-53.5	-13	Pass	1400
1000	3000	1	Peak	2865.933	-37.51	-13	Pass	2000
3000	10000	1	Peak	7397.628	-32.97	-13	Pass	7000
0- 0- 25-								

-75-

-90-

0.009

1000

2000

3000

4000

5000

Frequency(MHz)

6000

7000

8000

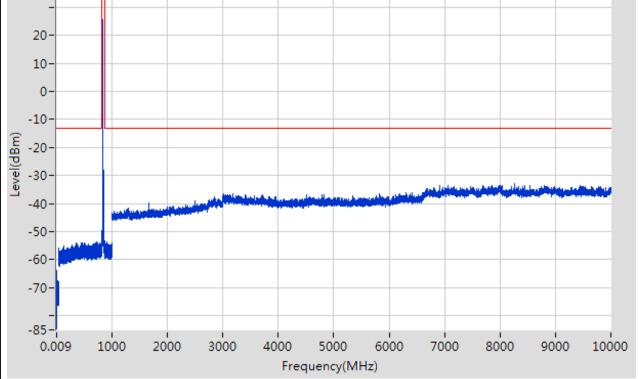
9000

10000



#### 8.22. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:22, Channel:20525, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)

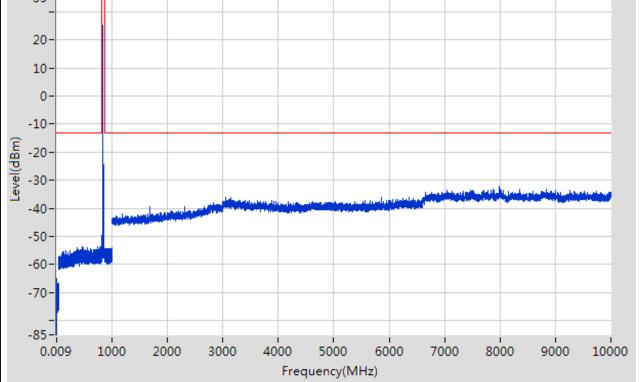
	•	·		,		•		,
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	Peak	0.009	-66.08	-13	Pass	401
0.15	30	0.01	Peak	0.24	-63.95	-13	Pass	2985
30	814	0.1	Peak	719.688	-53.73	-13	Pass	7840
814	860	0.1	Peak	832.139	25.36	60	Pass	460
860	1000	0.1	Peak	875.011	-53.42	-13	Pass	1400
1000	3000	1	Peak	2841.921	-37.56	-13	Pass	2000
3000	10000	1	Peak	8262.752	-32.74	-13	Pass	7000
35- 20- 10- 0- -10-								





### 8.23. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:23, Channel:20600, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)

i osition.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	Peak	0.011	-67.94	-13	Pass	401
0.15	30	0.01	Peak	0.2	-65.07	-13	Pass	2985
30	814	0.1	Peak	730.789	-53.48	-13	Pass	7840
814	860	0.1	Peak	839.556	25.17	60	Pass	460
860	1000	0.1	Peak	989.192	-54.14	-13	Pass	1400
1000	3000	1	Peak	2830.915	-37.98	-13	Pass	2000
3000	10000	1	Peak	7992.713	-32.19	-13	Pass	7000
35 - 20 - 10 - 0 -								



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### 8.24. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:24, Channel:20600, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)



#### 9. LTE\_Band7

#### 9.1. 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	0.016	-71.78	-25	Pass	401
0.15	30	0.01	RMS	0.16	-71.7	-25	Pass	2985
30	1000	0.1	RMS	872.831	-63.43	-25	Pass	9699
1000	2490	1	RMS	2490	-50.08	-25	Pass	1490
2490	2580	1	RMS	2500.35	23.56	60	Pass	401
2580	3000	1	RMS	2847.637	-49.11	-25	Pass	420
3000	12000	1	RMS	11747.688	-43.61	-25	Pass	9000
12000 30-	26500	1	RMS	25899.905	-28.9	-25	Pass	14500
-75- -95-	2500 5000	75.00	10000 13	500 15000	17500 3			25500
0.009	2500 5000	7500		500 15000 iency(MHz)	17500 2	0000 22	500	26500



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

Fr	Start requency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
	0.009	0.15	0.001	RMS	0.01	-71.83	-25	Pass	401
	0.15	30	0.01	RMS	0.26	-71.02	-25	Pass	2985
	30	1000	0.1	RMS	890.455	-63.83	-25	Pass	9699
	1000	2490	1	RMS	2490	-50.64	-25	Pass	1490
	2490	2580	1	RMS	2500.35	21.92	60	Pass	401
	2580	3000	1	RMS	2841.623	-49.13	-25	Pass	420
	3000	12000	1	RMS	11748.689	-43.61	-25	Pass	9000
	12000	26500	1	RMS	25894.904	-29.01	-25	Pass	14500
Level(dBm)	10- 0- -10- -20- -30- -40- -50- -60- -70- -80- -90- 0.009	2500 5000	7500	10000 12	500 15000	17500 2	0000 22	2500	26500
	0.009	2500 5000	7500		500 15000 iency(MHz)	1/500 2	0000 22	500	26500



### 9.3. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:3, Channel:21100, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)

Fı	Start requency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
	0.009	0.15	0.001	RMS	0.011	-69.96	-25	Pass	401
	0.15	30	0.01	RMS	0.39	-71.78	-25	Pass	2985
	30	1000	0.1	RMS	891.456	-63.79	-25	Pass	9699
	1000	2490	1	RMS	2485.997	-51.16	-25	Pass	1490
	2490	2580	1	RMS	2532.75	23.77	60	Pass	401
	2580	3000	1	RMS	2845.632	-48.92	-25	Pass	420
	3000	12000	1	RMS	11743.683	-43.51	-25	Pass	9000
	12000	26500	1	RMS	25900.905	-29.09	-25	Pass	14500
Level(dBm)	10- 0- -10- -20- -30- -40- -50- -60- -70- -80- -90- 0.009	2500 5000	7500	10000 12	500 15000	17500 2	0000 22	2500	26500
					iency(MHz)				



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

0.009	Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30 1000 0.1 RMS 888.052 -63.83 -25 Pass 9699  1000 2490 1 RMS 2487.999 -51.04 -25 Pass 1490  2490 2580 1 RMS 2532.75 22.6 60 Pass 401  2580 3000 1 RMS 2839.618 -49.1 -25 Pass 420  3000 12000 1 RMS 11749.69 -43.57 -25 Pass 9000  12000 26500 1 RMS 25905.906 -29.01 -25 Pass 14500	0.009	0.15	0.001	RMS	0.009	-70.47	-25	Pass	401
1000	0.15	30	0.01	RMS	22.147	-71.55	-25	Pass	2985
2490	30	1000	0.1	RMS	888.052	-63.83	-25	Pass	9699
2580 3000 1 RMS 2839.618 -49.1 -25 Pass 420 3000 12000 1 RMS 11749.69 -43.57 -25 Pass 9000 12000 26500 1 RMS 25905.906 -29.01 -25 Pass 14500  30-20-10-0-105060708090	1000	2490	1	RMS	2487.999	-51.04	-25	Pass	1490
3000 12000 1 RMS 11749.69 -43.57 -25 Pass 9000 12000 26500 1 RMS 25905.906 -29.01 -25 Pass 14500  30- 20- 10- 0105060708090-	2490	2580	1	RMS	2532.75	22.6	60	Pass	401
12000 26500 1 RMS 25905.906 -29.01 -25 Pass 14500  30- 20- 10- 010203030405060708090-	2580	3000	1	RMS	2839.618	-49.1	-25	Pass	420
30- 20- 10- 0- -10- -10- -20- -30- -50- -60- -70- -80- -90-	3000	12000	1	RMS	11749.69	-43.57	-25	Pass	9000
20- 10- 0- -10- (E-20- -20- -30- -50- -60- -70- -80- -90-		26500	1	RMS	25905.906	-29.01	-25	Pass	14500
	10- 0- -10- (-20- (-20- -30- -40- -50- -60- -70- -80- -90-	2500 5000	7500	10000 12	500 15000	17500 2	00000 22	2500	26500



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

0.009 0.15 30 1000 2490 2580	0.15	0.001	DMC			(dBm)	Verdict	Point
30 1000 2490			RMS	0.009	-71.26	-25	Pass	401
1000 2490		0.01	RMS	0.2	-71.39	-25	Pass	2985
2490	1000	0.1	RMS	604.67	-63.26	-25	Pass	9699
	2490	1	RMS	2487.999	-51.38	-25	Pass	1490
2500	2580	1	RMS	2565.375	23.99	60	Pass	401
2360	3000	1	RMS	2845.632	-49.07	-25	Pass	420
3000	12000	1	RMS	11750.691	-43.58	-25	Pass	9000
12000	26500	1	RMS	25895.904	-29.11	-25	Pass	14500
10- 0- -10- -20- -30- -30- -50- -60- -70- -80- -90- 0.009 250	00 5000	7500	10000 12	500 15000	17500 2	0000 22	2500	26500



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

Fre	Start equency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
	0.009	0.15	0.001	RMS	0.01	-72.2	-25	Pass	401
	0.15	30	0.01	RMS	0.18	-71.53	-25	Pass	2985
	30	1000	0.1	RMS	999.199	-63.47	-25	Pass	9699
	1000	2490	1	RMS	2488.999	-51.36	-25	Pass	1490
	2490	2580	1	RMS	2565.375	23.15	60	Pass	401
	2580	3000	1	RMS	2851.647	-49.04	-25	Pass	420
	3000	12000	1	RMS	11766.711	-43.64	-25	Pass	9000
	12000	26500	1	RMS	25890.903	-29.11	-25	Pass	14500
Level(dBm)	10- 0- 10- 20- 30- 40- 50- 60- 70- 80- 90- 0.009	2500 5000	7500		500 15000	17500 2	0000 22	2500	26500
				Frequ	iency(MHz)				



# 9.7. 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	0.009	-72.09	-25	Pass	401
0.15	30	0.01	RMS	0.2	-71.36	-25	Pass	2985
30	1000	0.1	RMS	869.827	-63.84	-25	Pass	9699
1000	2490	1	RMS	2490	-49.96	-25	Pass	1490
2490	2580	1	RMS	2500.575	23.92	60	Pass	401
2580	3000	1	RMS	2841.623	-49.14	-25	Pass	420
3000	12000	1	RMS	11782.731	-43.6	-25	Pass	9000
12000	26500	1	RMS	25891.904	-29.09	-25	Pass	14500
20- 10- 0- -10- (mgp) -30- -30- -50- -60- -70- -80- -90-								
•	2500 5000	7500		500 15000 lency(MHz)	17500 2	0000 22	500	26500



### 9.8. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:8, Channel:20800, 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	0.012	-71.15	-25	Pass	401
0.15	30	0.01	RMS	0.41	-72.11	-25	Pass	2985
30	1000	0.1	RMS	870.528	-63.81	-25	Pass	9699
1000	2490	1	RMS	2490	-50.11	-25	Pass	1490
2490	2580	1	RMS	2500.575	22.81	60	Pass	401
2580	3000	1	RMS	2849.642	-49.14	-25	Pass	420
3000	12000	1	RMS	11758.701	-43.54	-25	Pass	9000
12000	26500	1	RMS	25900.905	-29.05	-25	Pass	14500
0- (mg/qgm) -50-						<b>**</b>		
-95-¦ 0.009	2500 5000	7500		500 15000 iency(MHz)	17500 2	0000 22	500	26500



# 9.9. 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	0.013	-69.57	-25	Pass	401
0.15	30	0.01	RMS	0.17	-72.14	-25	Pass	2985
30	1000	0.1	RMS	854.908	-63.79	-25	Pass	9699
1000	2490	1	RMS	2483.996	-51.22	-25	Pass	1490
2490	2580	1	RMS	2530.5	23.63	60	Pass	401
2580	3000	1	RMS	2850.644	-49.02	-25	Pass	420
3000	12000	1	RMS	11505.388	-43.69	-25	Pass	9000
12000 30-	26500	1	RMS	25877.901	-29.12	-25	Pass	14500
20- 10- 0- -10- (\text{wgp})=30- -30- -50- -60- -70- -80- -90-								
	2500 5000	7500		500 15000 uency(MHz)	17500 2	0000 22	500	26500



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

0.009 0.15 30 1000 2490 2580	0.15 30 1000 2490 2580	0.001 0.01 0.1	RMS RMS	0.011 0.19	-71.75 -71.56	-25	Pass	401
30 1000 2490 2580	1000 2490	0.1		0.19	-71 56			
1000 2490 2580	2490		RMS		-7 1.50	-25	Pass	2985
2490 2580		1	_	868.225	-63.84	-25	Pass	9699
2580	2580		RMS	2488.999	-51.24	-25	Pass	1490
		1	RMS	2530.5	22.8	60	Pass	401
	3000	1	RMS	2848.64	-49.11	-25	Pass	420
3000	12000	1	RMS	11774.721	-43.59	-25	Pass	9000
12000	26500	1	RMS	25879.902	-29.12	-25	Pass	14500
0- (Egg)								

10000 12500 15000

Frequency(MHz)

17500

-75

-95-

0.009

2500

5000

7500

26500

22500

20000



# 9.11. 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	0.011	-70.97	-25	Pass	401
0.15	30	0.01	RMS	0.18	-71.1	-25	Pass	2985
30	1000	0.1	RMS	599.87	-62.29	-25	Pass	9699
1000	2490	1	RMS	2486.998	-51.32	-25	Pass	1490
2490	2580	1	RMS	2560.65	24.22	60	Pass	401
2580	3000	1	RMS	2852.649	-49.11	-25	Pass	420
3000	12000	1	RMS	11750.691	-43.54	-25	Pass	9000
12000	26500	1	RMS	25895.904	-29.05	-25	Pass	14500
-75-								
-95-¦ 0.009	2500 5000	7500		  500 15000  sency(MHz)	17500 2	0000 22	500	26500



### 9.12. 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	0.15 30 1000	0.001	RMS					Point
30		0.01		0.011	-73.51	-25	Pass	401
-	1000	0.01	RMS	0.15	-71.2	-25	Pass	2985
1000	.000	0.1	RMS	599.87	-63.02	-25	Pass	9699
1000	2490	1	RMS	2485.997	-51.24	-25	Pass	1490
2490	2580	1	RMS	2560.65	23.3	60	Pass	401
2580	3000	1	RMS	2854.654	-49.08	-25	Pass	420
3000	12000	1	RMS	11767.713	-43.53	-25	Pass	9000
12000	26500	1	RMS	25898.905	-29.08	-25	Pass	14500
10- 0- -10- -20- 	00 5000	7500	10000 12	500 15000	17500 2	0000 22	2500	26500



# 9.13. 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	0.016	-71.54	-25	Pass	401
0.15	30	0.01	RMS	0.28	-71.68	-25	Pass	2985
30	1000	0.1	RMS	855.408	-62.15	-25	Pass	9699
1000	2490	1	RMS	2487.999	-46.49	-25	Pass	1490
2490	2580	1	RMS	2500.8	23.94	60	Pass	401
2580	3000	1	RMS	2851.647	-48.99	-25	Pass	420
3000	12000	1	RMS	11751.693	-43.47	-25	Pass	9000
12000 30-	26500	1	RMS	25900.905	-28.98	-25	Pass	14500
20- 10- 0- -10- (mgp)-30- -30- -50- -60- -70- -80- -90-								
0.009	2500 5000	7500		500 15000 iency(MHz)	17500 2	0000 22	500	26500



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

-95-

0.009

2500

5000

7500

10000 12500

15000

Frequency(MHz)

26500

22500

20000

17500



# 9.15. 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	0.011	-69.1	-25	Pass	401
0.15	30	0.01	RMS	0.22	-72.02	-25	Pass	2985
30	1000	0.1	RMS	607.17	-62.77	-25	Pass	9699
1000	2490	1	RMS	2484.997	-51.15	-25	Pass	1490
2490	2580	1	RMS	2528.25	23.8	60	Pass	401
2580	3000	1	RMS	2844.63	-49.02	-25	Pass	420
3000	12000	1	RMS	11781.73	-43.46	-25	Pass	9000
12000	26500	1	RMS	25906.906	-29	-25	Pass	14500
-25- -50-					A CONTRACTOR OF THE CONTRACTOR	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
-95-¦ 0.009	2500 5000	7500		i i 500 15000 iency(MHz)	17500 2	0000 22	2500	26500



### 9.16. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:16, Channel:21100, Bandwidth:15, Modulation:Q16, RB Number: 1, RB Position:LOW)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.01	-71.47	-25	Pass	401
0.15	30	0.01	RMS	9.993	-71.86	-25	Pass	2985
30	1000	0.1	RMS	857.411	-62.29	-25	Pass	9699
1000	2490	1	RMS	2485.997	-51.12	-25	Pass	1490
2490	2580	1	RMS	2528.475	23.26	60	Pass	401
2580	3000	1	RMS	2844.63	-49.02	-25	Pass	420
3000	12000	1	RMS	11752.694	-43.32	-25	Pass	9000
12000	26500	1	RMS	25898.905	-29.09	-25	Pass	14500
-75-						<i>*</i>		
-95-¦ 0.009	2500 5000	7500		500 15000 iency(MHz)	17500 2	0000 22	500	26500



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

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0.009	0.15	0.001	RMS	0.011	-70.92	-25	Pass	401
0.15	30	0.01	RMS	0.15	-72.15	-25	Pass	2985
30	1000	0.1	RMS	595.169	-62.63	-25	Pass	9699
1000	2490	1	RMS	2487.999	-51.15	-25	Pass	1490
2490	2580	1	RMS	2555.925	24.34	60	Pass	401
2580	3000	1	RMS	2582.005	-47.58	-25	Pass	420
3000	12000	1	RMS	11755.698	-43.58	-25	Pass	9000
12000	26500	1	RMS	25900.905	-29.01	-25	Pass	14500
20- 10- 0- -10- (-20- -20- -30- -40- -50- -60- -70- -80- -90-	2500 5000	7500	10000 13	2500 15000	17500 2	0000 22	2500	26500
0.009	2500 5000	7500		2500 15000 uency(MHz)	17500 2	0000 22	2500	26500



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

Star Freque (MHz	ncy	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
C	0.009	0.15	0.001	RMS	0.011	-69.89	-25	Pass	401
	0.15	30	0.01	RMS	0.19	-72.39	-25	Pass	2985
	30	1000	0.1	RMS	595.169	-63.34	-25	Pass	9699
	1000	2490	1	RMS	2490	-51.27	-25	Pass	1490
	2490	2580	1	RMS	2555.925	23.31	60	Pass	401
	2580	3000	1	RMS	2582.005	-47.69	-25	Pass	420
	3000	12000	1	RMS	11753.695	-43.66	-25	Pass	9000
30- <sub>□</sub>	2000	26500	1	RMS	25899.905	-29.12	-25	Pass	14500
-25- -50-							<i>M</i>		
-95-¦ 0.00	09 2	2500 5000	7500		500 15000 uency(MHz)	17500 2	0000 22	500	26500



# 9.19. 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	0.011	-70.13	-25	Pass	401
0.15	30	0.01	RMS	0.18	-70.88	-25	Pass	2985
30	1000	0.1	RMS	894.66	-63.81	-25	Pass	9699
1000	2490	1	RMS	2482.995	-45.95	-25	Pass	1490
2490	2580	1	RMS	2501.025	24	60	Pass	401
2580	3000	1	RMS	2851.647	-49.16	-25	Pass	420
3000	12000	1	RMS	11753.695	-43.52	-25	Pass	9000
12000 30-	26500	1	RMS	25879.902	-28.96	-25	Pass	14500
20- 10- 0- -10- (mgp) -30- -30- -50- -60- -70- -80- -90-	2500 5000	7500	10000 12	500 15000	17500 - 3	0000 23	500	26500
0.009	2500 5000	7500		500 15000 iency(MHz)	17500 2	0000 22	500	26500



### 9.20. LTE Spurious Emission at Antenna Terminals(NTNV)(Subtest:20, Channel:20850, 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	0.018	-69.79	-25	Pass	401
0.15	30	0.01	RMS	0.17	-71.36	-25	Pass	2985
30	1000	0.1	RMS	867.224	-63.58	-25	Pass	9699
1000	2490	1	RMS	2482.995	-47.2	-25	Pass	1490
2490	2580	1	RMS	2501.025	22.86	60	Pass	401
2580	3000	1	RMS	2851.647	-49.12	-25	Pass	420
3000	12000	1	RMS	11748.689	-43.54	-25	Pass	9000
12000	26500	1	RMS	25889.903	-29.04	-25	Pass	14500
10- 0- -10- (\(\mathbb{\text{ugp}}\) -30- -30- -50- -50- -70- -80- -90-					Marin Stanford			



# 9.21. 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	0.013	-70.43	-25	Pass	401
0.15	30	0.01	RMS	0.16	-70.21	-25	Pass	2985
30	1000	0.1	RMS	878.239	-63.71	-25	Pass	9699
1000	2490	1	RMS	2490	-50.69	-25	Pass	1490
2490	2580	1	RMS	2526	24.05	60	Pass	401
2580	3000	1	RMS	2848.64	-49.04	-25	Pass	420
3000	12000	1	RMS	11771.717	-43.6	-25	Pass	9000
12000 30-	26500	1	RMS	25889.903	-29.08	-25	Pass	14500
20- 10- 0- -10- (mgp) -30- -30- -50- -60- -70- -80- -90-	2500 5000	7500	10000 13	500 15000	17500 3			26500
0.009	2500 5000	7500		500 15000 iency(MHz)	17500 2	0000 22	500	26500



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

Sta Frequ (MI	iency	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
	0.009	0.15	0.001	RMS	0.01	-71.52	-25	Pass	401
	0.15	30	0.01	RMS	0.23	-71.33	-25	Pass	2985
	30	1000	0.1	RMS	863.619	-63.74	-25	Pass	9699
	1000	2490	1	RMS	2490	-50.51	-25	Pass	1490
	2490	2580	1	RMS	2526	22.9	60	Pass	401
	2580	3000	1	RMS	2849.642	-49.11	-25	Pass	420
	3000	12000	1	RMS	11755.698	-43.6	-25	Pass	9000
30	12000	26500	1	RMS	25902.905	-29.04	-25	Pass	14500
-25 (mgp) -25 -50 -75 -95	-				all the second s		<i>M</i>		
-95 0.		2500 5000	7500		500 15000 iency(MHz)	17500 2	0000 22	2500	26500



# 9.23. 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	0.01	-71.95	-25	Pass	401
0.15	30	0.01	RMS	0.5	-71.33	-25	Pass	2985
30	1000	0.1	RMS	590.368	-62.66	-25	Pass	9699
1000	2490	1	RMS	2486.998	-51.21	-25	Pass	1490
2490	2580	1	RMS	2551.2	24.47	60	Pass	401
2580	3000	1	RMS	2855.656	-49.07	-25	Pass	420
3000	12000	1	RMS	11767.713	-43.48	-25	Pass	9000
12000	26500	1	RMS	25883.902	-29.08	-25	Pass	14500
-75-						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
-95-¦ 0.009	2500 5000	7500		  500	17500 2	0000 22	500	26500



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

Start Frequei (MHz	ncy	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
0	0.009	0.15	0.001	RMS	0.011	-71.23	-25	Pass	401
	0.15	30	0.01	RMS	24.078	-71.04	-25	Pass	2985
	30	1000	0.1	RMS	835.398	-62.52	-25	Pass	9699
•	1000	2490	1	RMS	2484.997	-51.18	-25	Pass	1490
2	2490	2580	1	RMS	2550.975	23.79	60	Pass	401
	2580	3000	1	RMS	2846.635	-48.94	-25	Pass	420
;	3000	12000	1	RMS	11748.689	-43.48	-25	Pass	9000
12 30-∟	2000	26500	1	RMS	25900.905	-29.05	-25	Pass	14500
-75-							,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
-95-¦ 0.00	09 2	2500 5000	7500		500 15000 iency(MHz)	17500 2	0000 22	500	26500