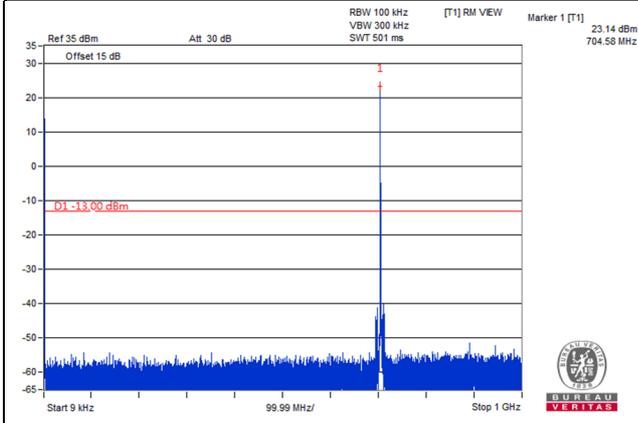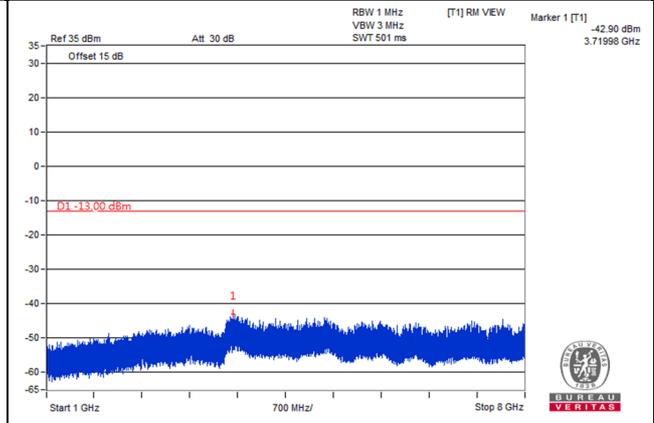LTE Band 17, Channel Bandwidth 10MHz

Channel 23780 (709.0MHz)

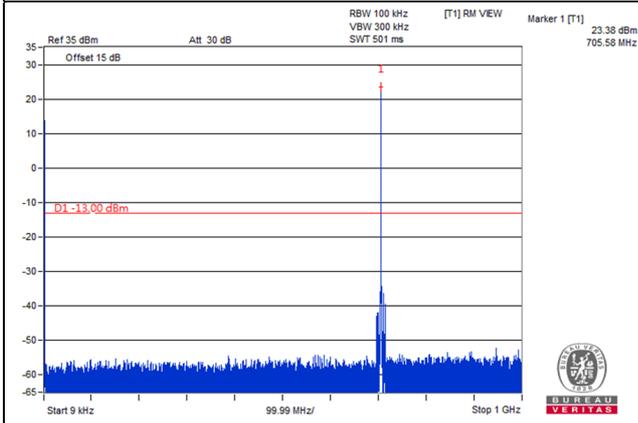| Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 8GHz

Channel 23790 (710.0MHz)

Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 8GHz
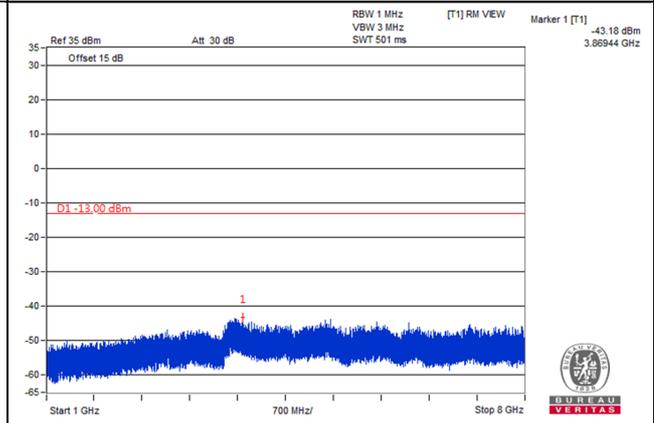
Channel 23800 (711.0MHz)
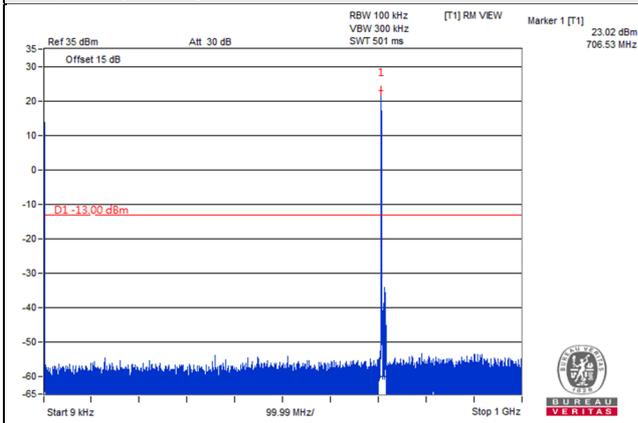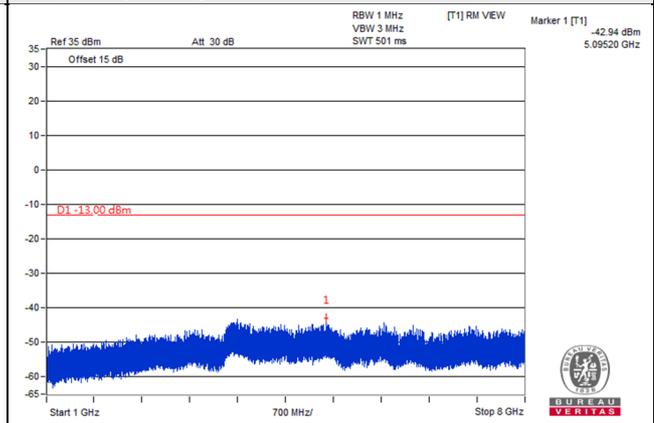
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 8GHz

*The 9kHz signal over the limit is from Spectrum.

LTE Band 30, Channel Bandwidth 5MHz	
Channel 27685 (2307.5MHz)	
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 2.288GHz
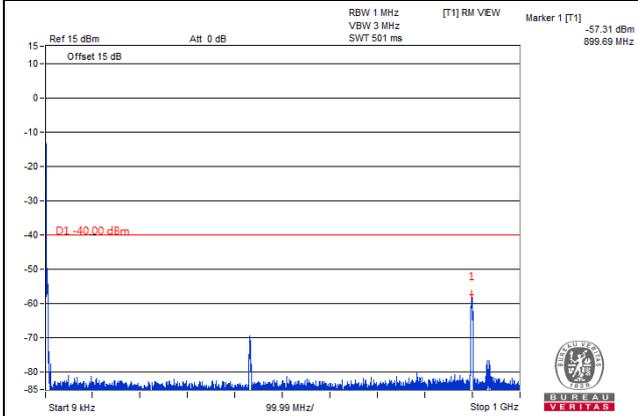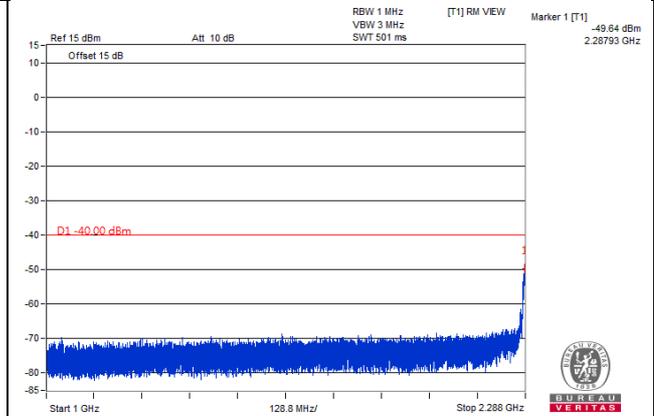
Frequency Range : 2.337GHz ~ 24GHz	
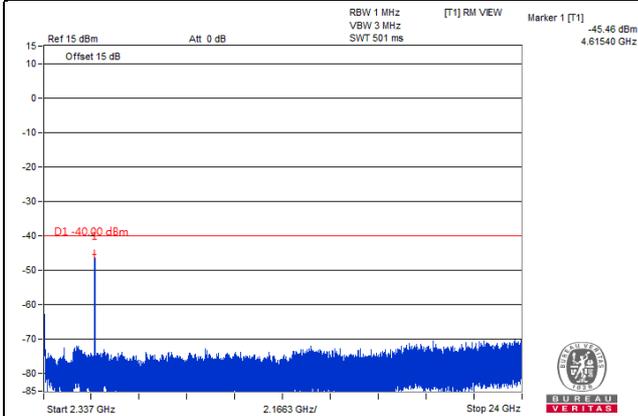
*The 9kHz signal over the limit is from Spectrum.

LTE Band 30, Channel Bandwidth 5MHz
Channel 27710 (2310.0MHz)
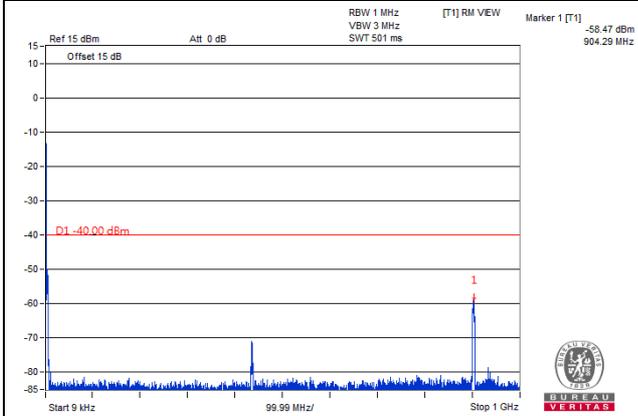
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 2.288GHz

Frequency Range : 2.337GHz ~ 24GHz	

*The 9kHz signal over the limit is from Spectrum.

LTE Band 30, Channel Bandwidth 5MHz	
Channel 27735 (2312.5MHz)	
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 2.288GHz

Frequency Range : 2.337GHz ~ 24GHz	

*The 9kHz signal over the limit is from Spectrum.

LTE Band 30, Channel Bandwidth 10MHz

Channel 27710 (2310.0MHz)
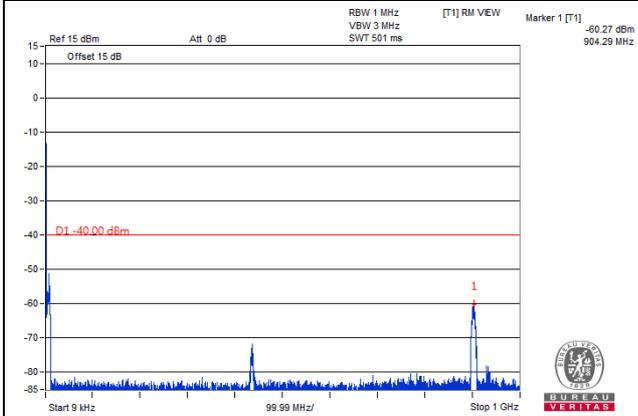
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 2.288GHz

Frequency Range : 2.337GHz ~ 24GHz	
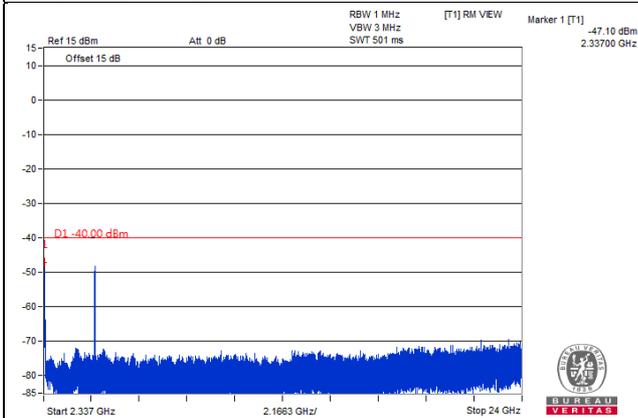
*The 9kHz signal over the limit is from Spectrum.

LTE Band 38, Channel Bandwidth 5MHz
Channel 37775 (2572.5MHz)
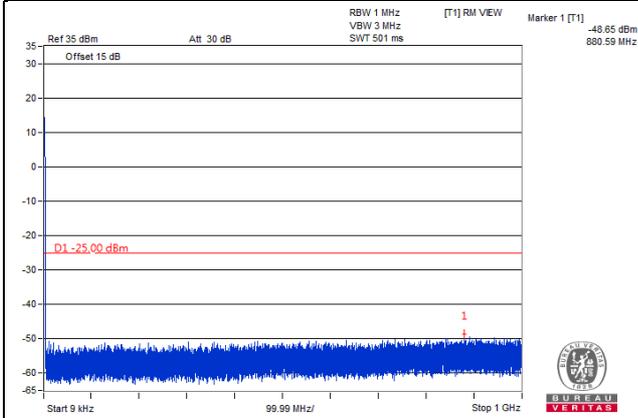
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 3GHz

Frequency Range : 3GHz ~ 27GHz	

*The 9kHz signal over the limit is from Spectrum.

LTE Band 38, Channel Bandwidth 5MHz
Channel 38000 (2595.0MHz)
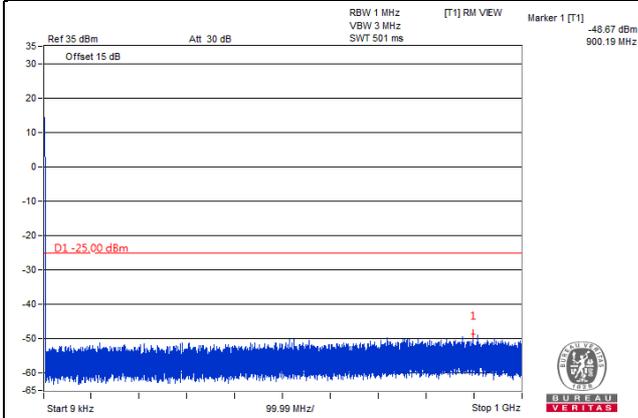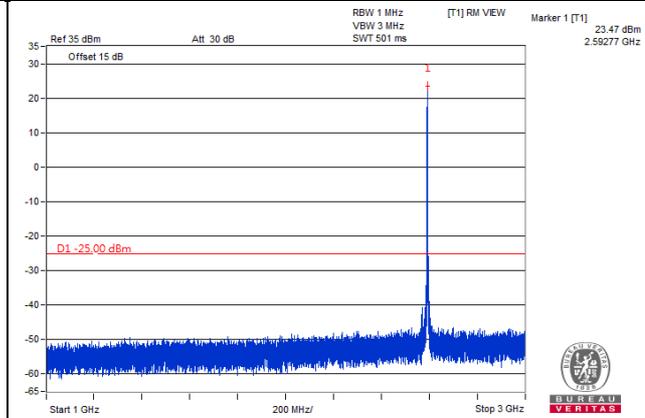
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 3GHz

Frequency Range : 3GHz ~ 27GHz	
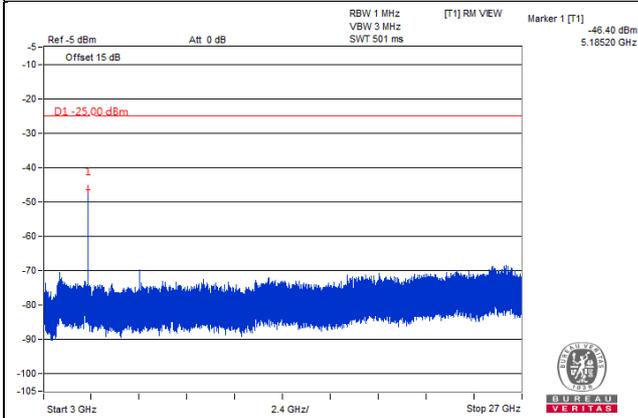
*The 9kHz signal over the limit is from Spectrum.

LTE Band 38, Channel Bandwidth 5MHz
Channel 38225 (2617.5MHz)
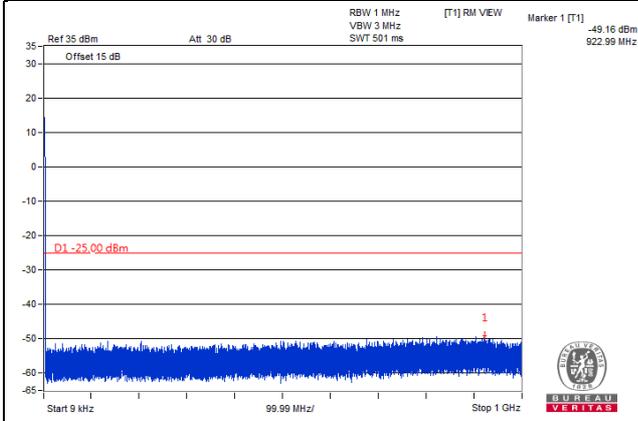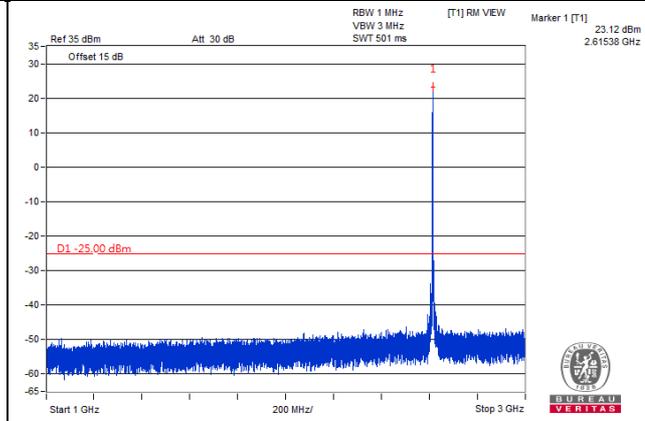
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 3GHz

Frequency Range : 3GHz ~ 27GHz	
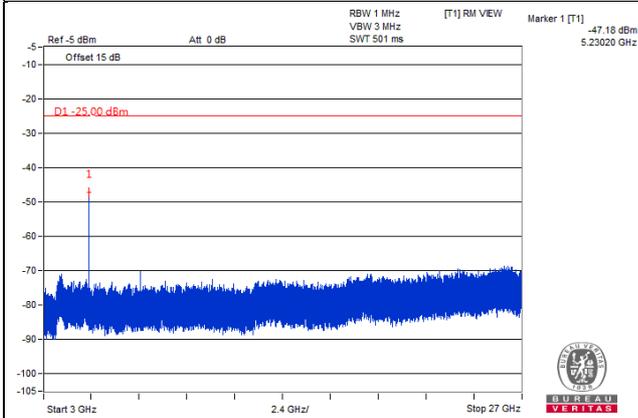
*The 9kHz signal over the limit is from Spectrum.

LTE Band 38, Channel Bandwidth 10MHz	
Channel 37800 (2575.0MHz)	
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 3GHz
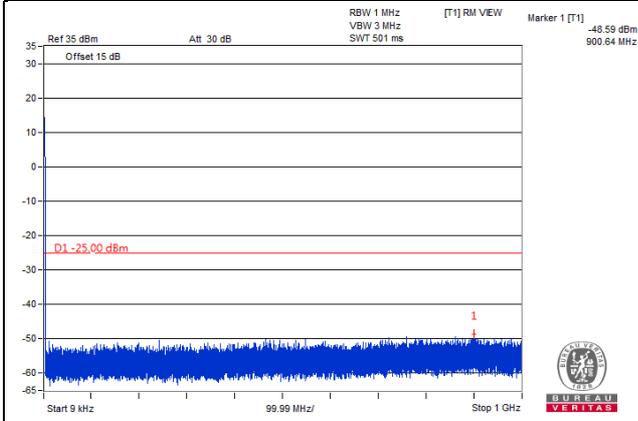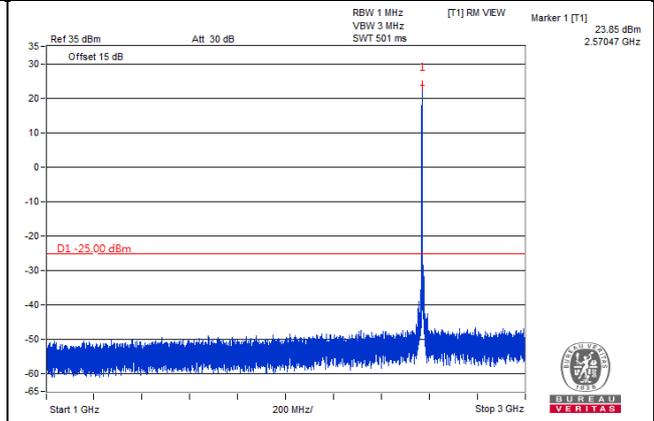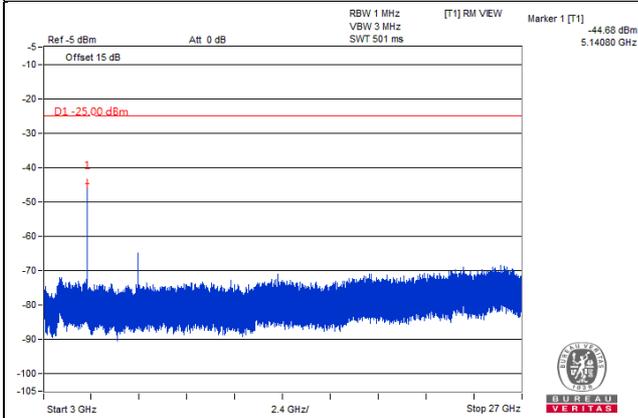
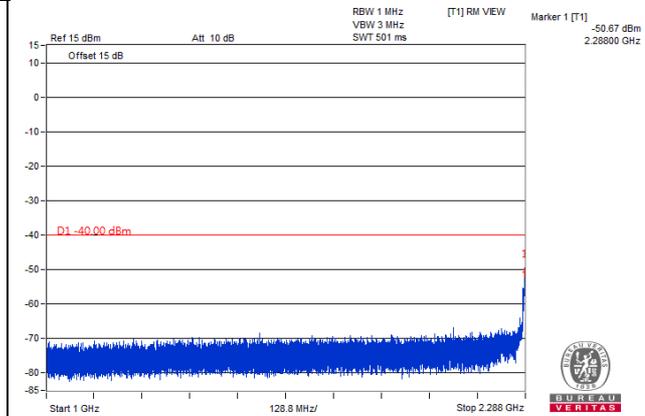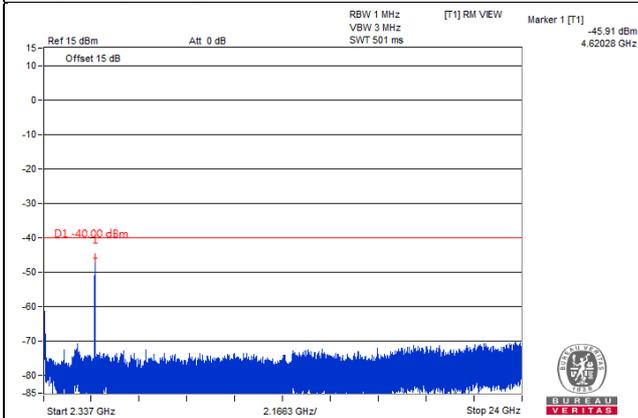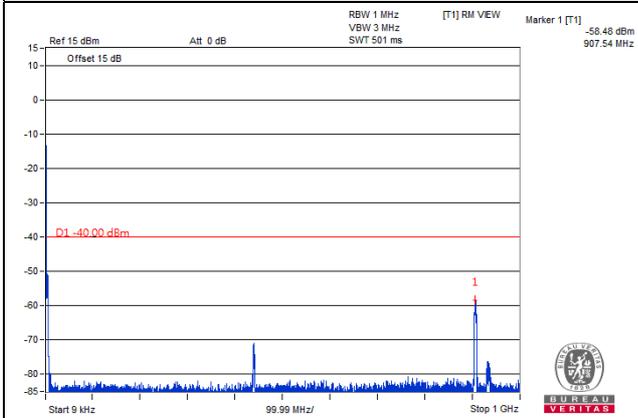| Frequency Range : 3GHz ~ 27GHz	

*The 9kHz signal over the limit is from Spectrum.

LTE Band 38, Channel Bandwidth 10MHz

Channel 38000 (2595.0MHz)
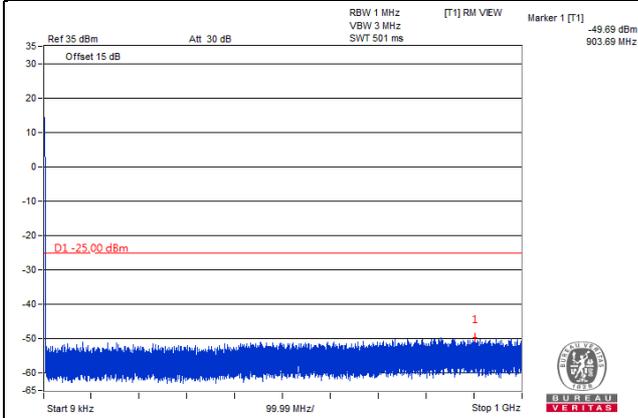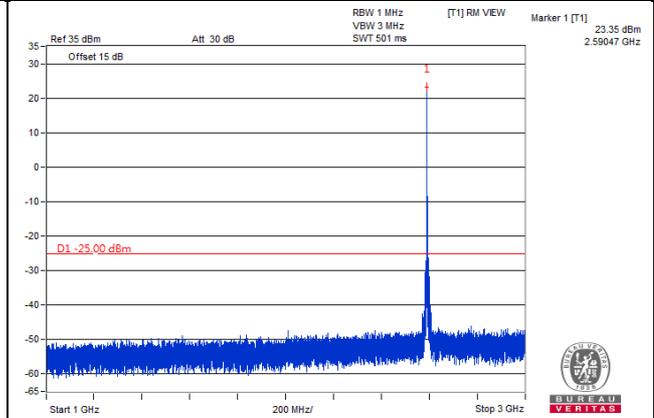
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 3GHz

Frequency Range : 3GHz ~ 27GHz	

*The 9kHz signal over the limit is from Spectrum.

LTE Band 38, Channel Bandwidth 10MHz
Channel 38200 (2615.0MHz)

Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 3GHz
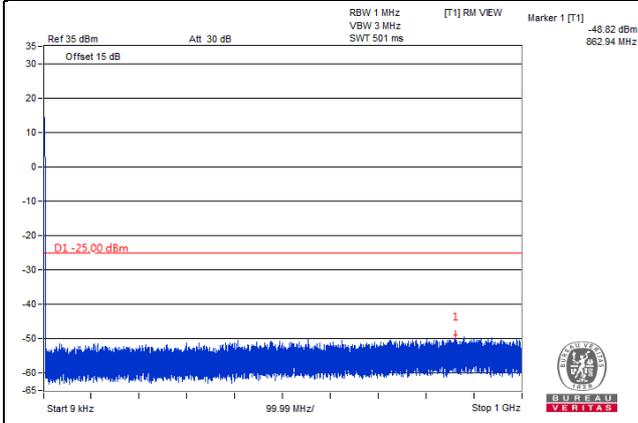
Frequency Range : 3GHz ~ 27GHz	

*The 9kHz signal over the limit is from Spectrum.

LTE Band 38, Channel Bandwidth 15MHz	
Channel 37825 (2577.5MHz)	
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 3GHz
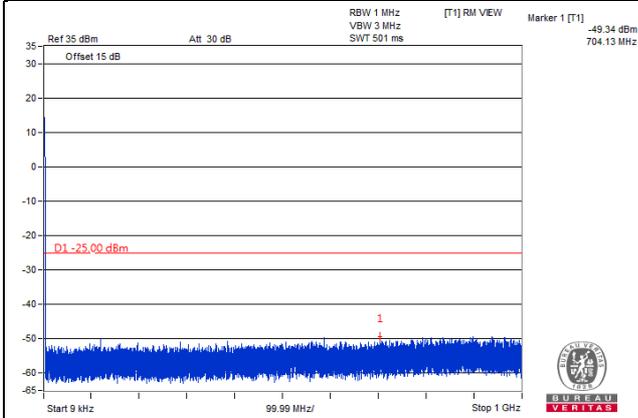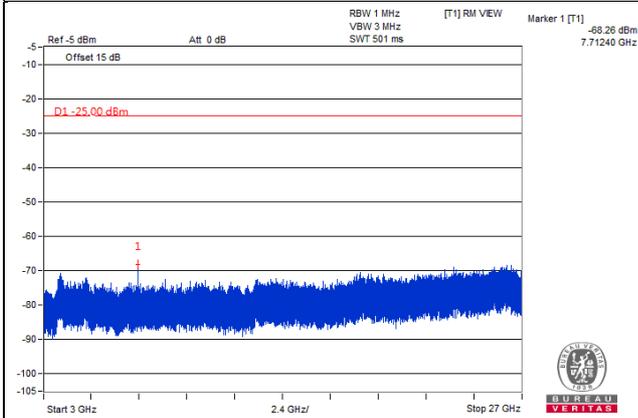
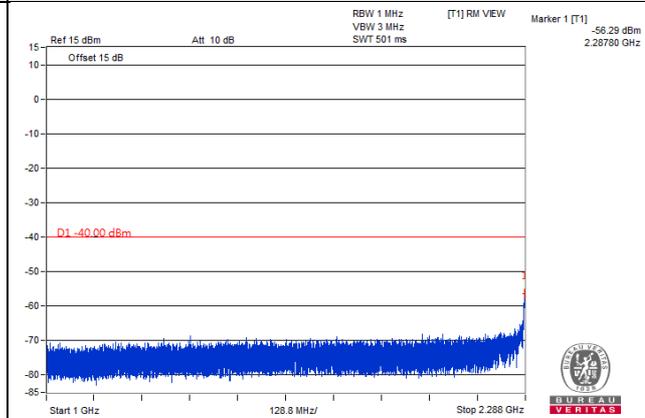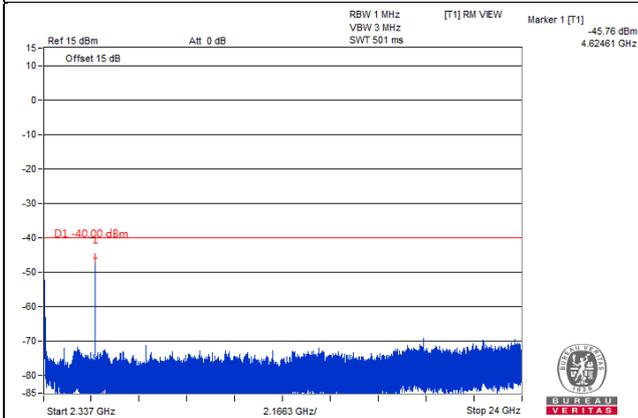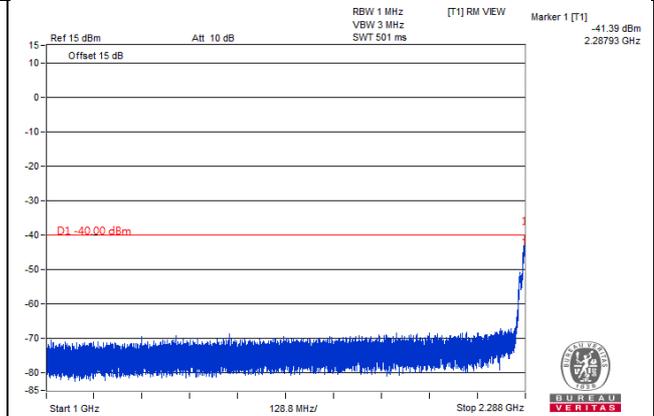| Frequency Range : 3GHz ~ 27GHz	

*The 9kHz signal over the limit is from Spectrum.

LTE Band 38, Channel Bandwidth 15MHz
Channel 38000 (2595.0MHz)
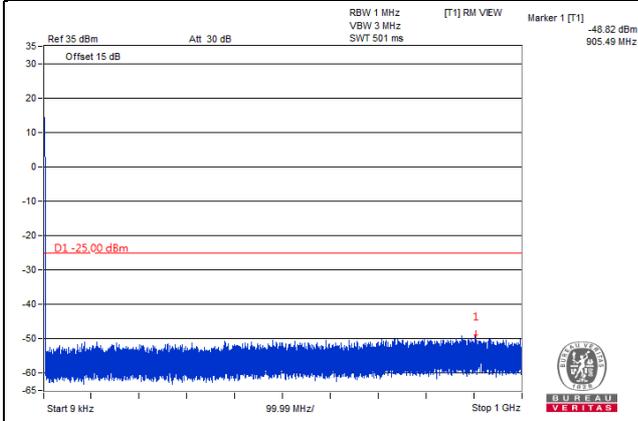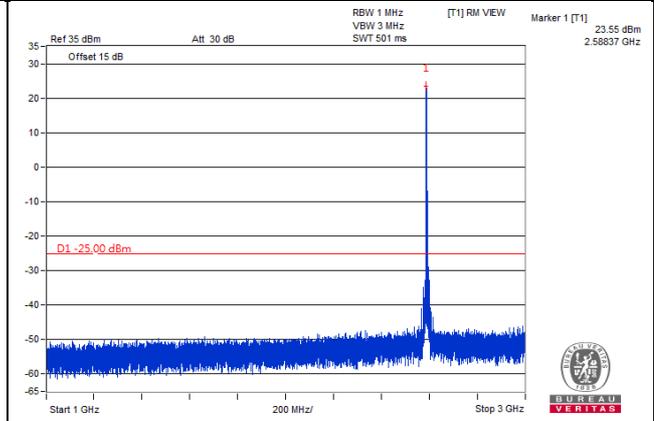
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 3GHz

Frequency Range : 3GHz ~ 27GHz	
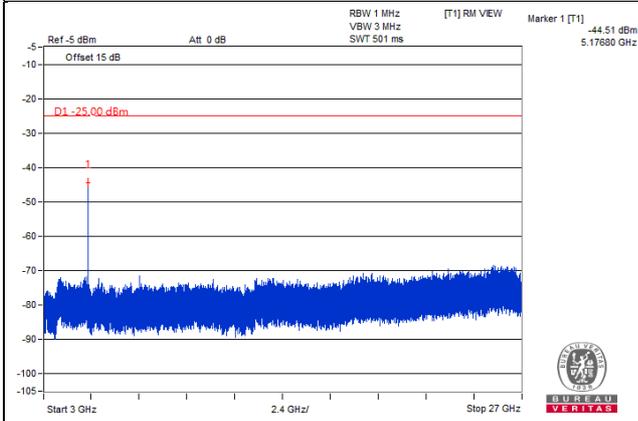
*The 9kHz signal over the limit is from Spectrum.

LTE Band 38, Channel Bandwidth 15MHz

Channel 38175 (2612.5MHz)

Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 3GHz
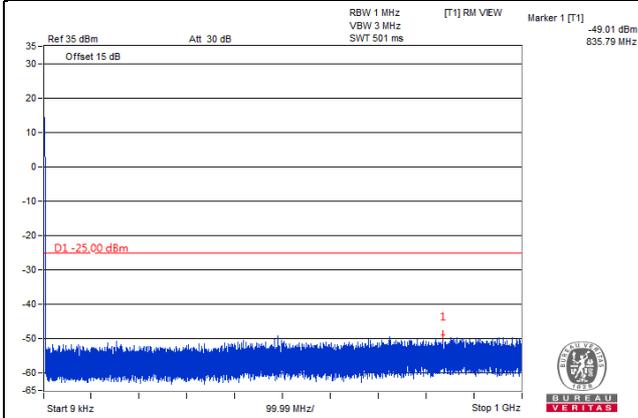
Frequency Range : 3GHz ~ 27GHz	

*The 9kHz signal over the limit is from Spectrum.

LTE Band 38, Channel Bandwidth 20MHz
Channel 37850 (2580.0MHz)
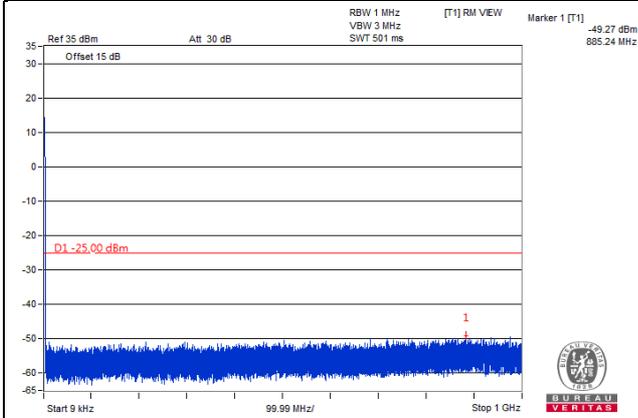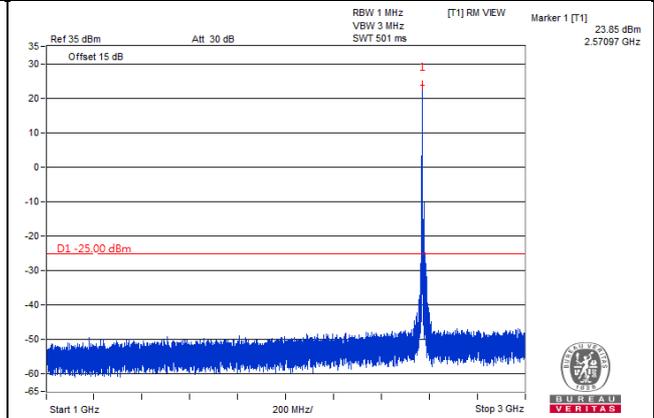
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 3GHz

Frequency Range : 3GHz ~ 27GHz	

*The 9kHz signal over the limit is from Spectrum.

LTE Band 38, Channel Bandwidth 20MHz
Channel 38000 (2595.0MHz)
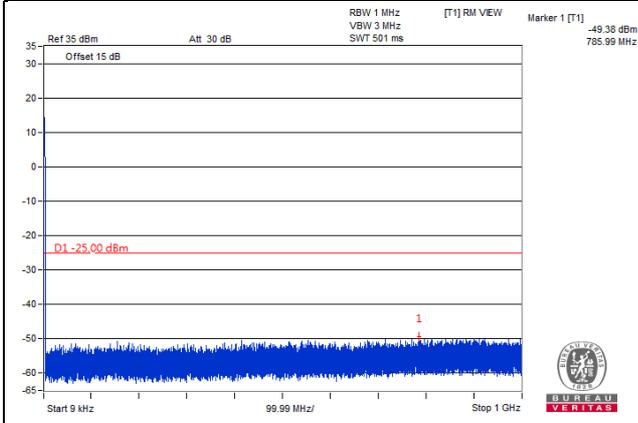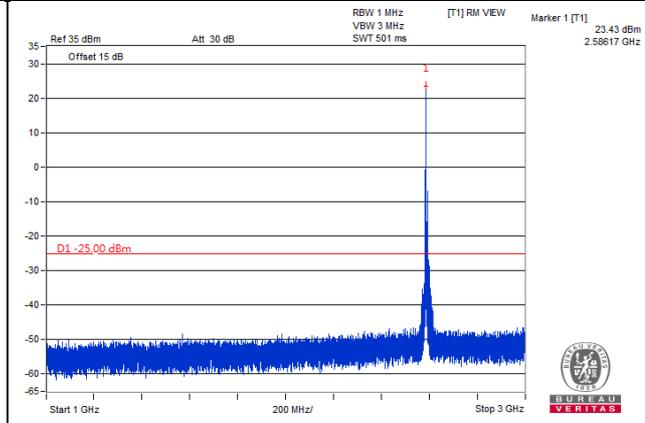
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 3GHz

Frequency Range : 3GHz ~ 27GHz	

*The 9kHz signal over the limit is from Spectrum.

LTE Band 38, Channel Bandwidth 20MHz	
Channel 38150 (2610.0MHz)	
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 3GHz
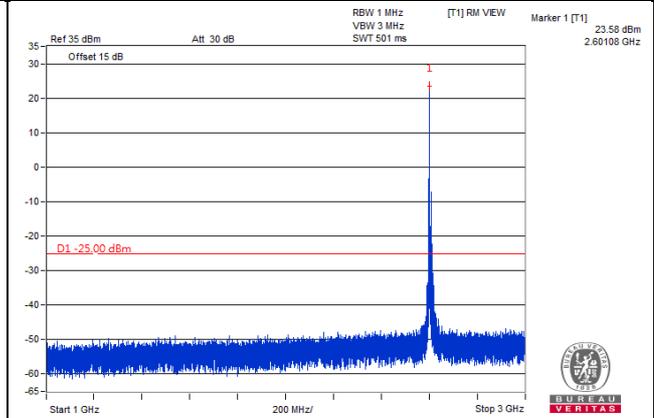
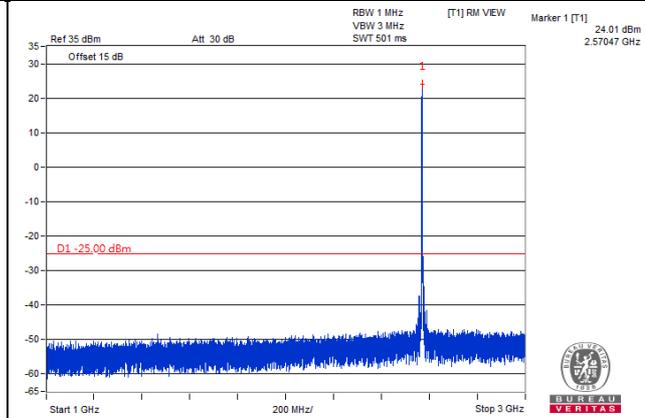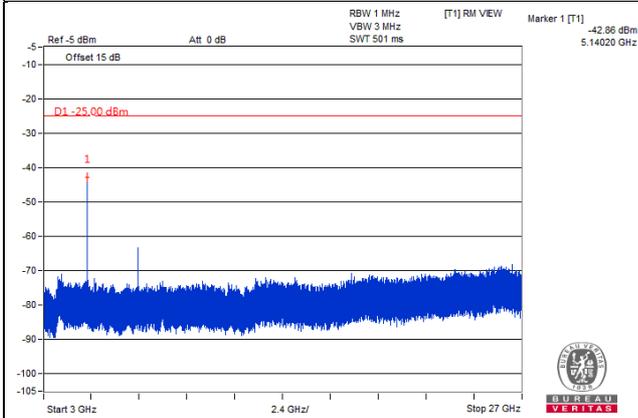| Frequency Range : 3GHz ~ 27GHz	
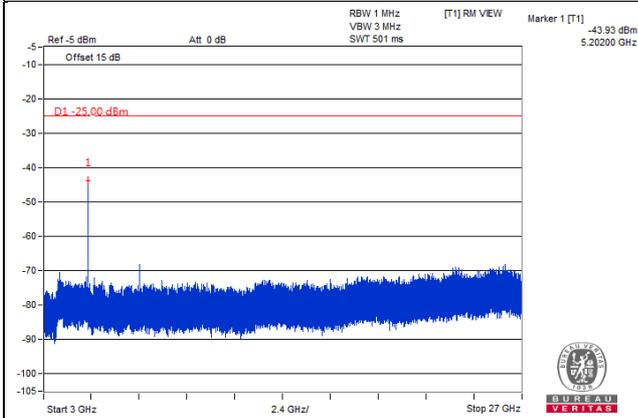
*The 9kHz signal over the limit is from Spectrum.

LTE Band 40 (2305MHz ~ 2315MHz), Channel Bandwidth 5MHz	
Channel 38725 (2307.5MHz)	
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 2GHz
Frequency Range : 2GHz ~ 3GHz	Frequency Range : 3GHz ~ 24GHz
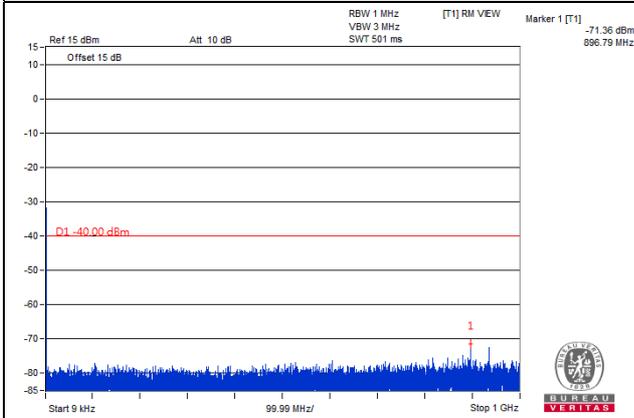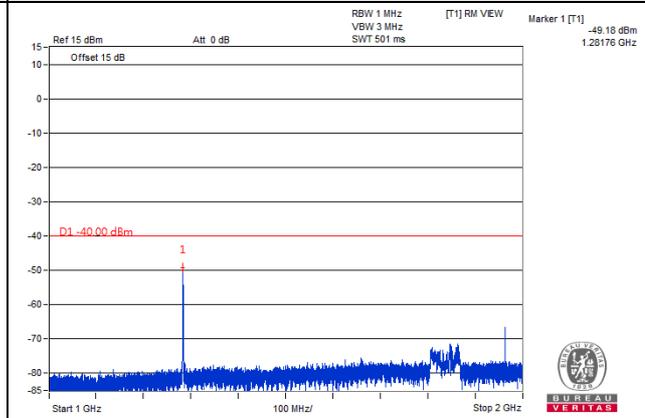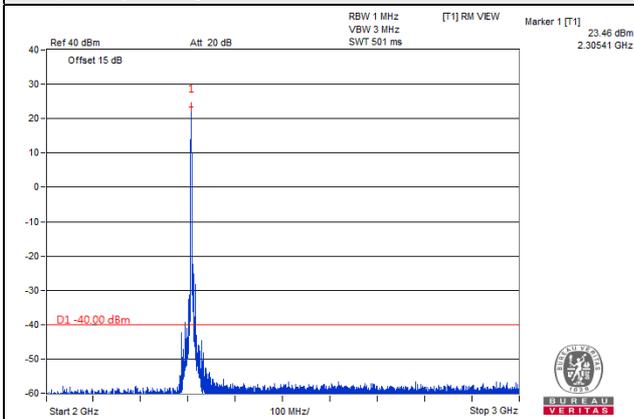
*The 9kHz signal over the limit is from Spectrum.

LTE Band 40 (2305MHz ~ 2315MHz), Channel Bandwidth 5MHz	
Channel 38750 (2310.0MHz)	
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 2GHz
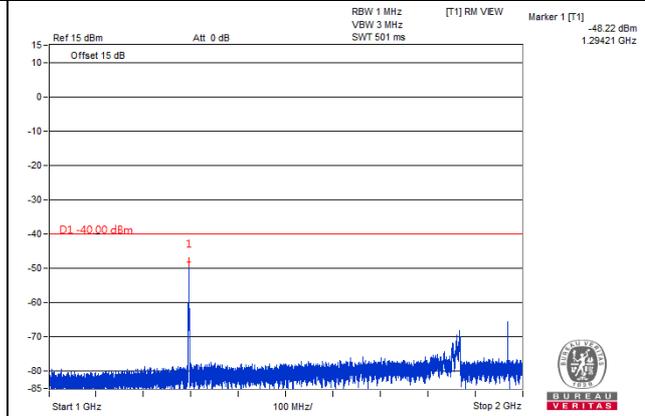
Frequency Range : 2GHz ~ 3GHz	Frequency Range : 3GHz ~ 24GHz
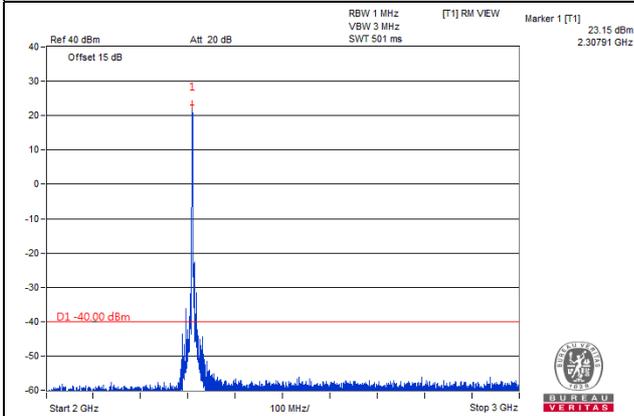
*The 9kHz signal over the limit is from Spectrum.

LTE Band 40 (2305MHz ~ 2315MHz), Channel Bandwidth 5MHz
Channel 38775 (2312.5MHz)
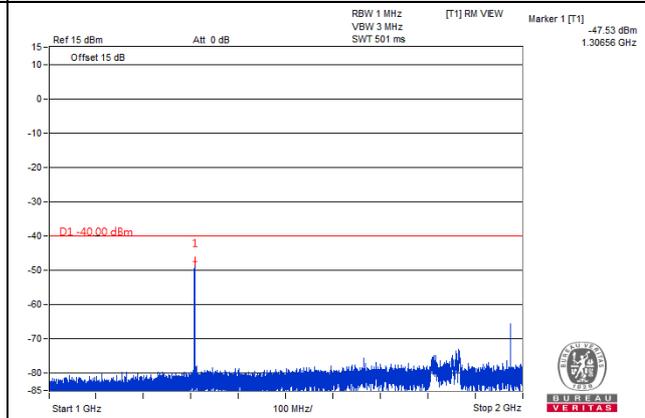
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 2GHz

Frequency Range : 2GHz ~ 3GHz	Frequency Range : 3GHz ~ 24GHz
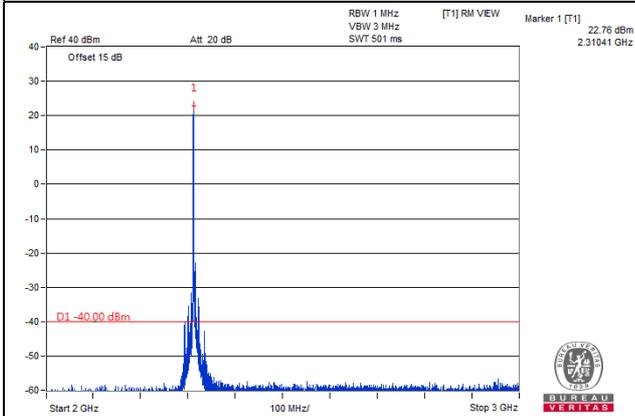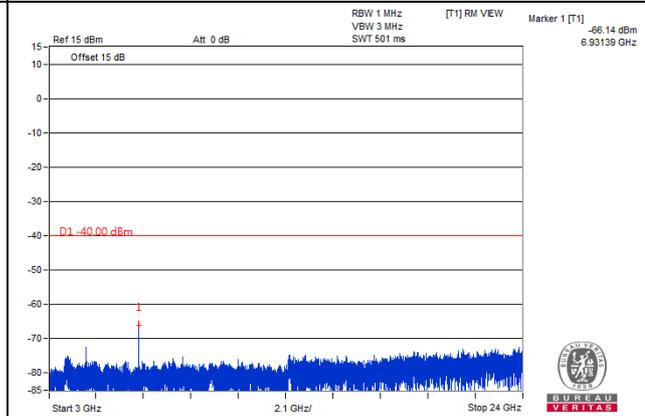
*The 9kHz signal over the limit is from Spectrum.

LTE Band 40 (2305MHz ~ 2315MHz), Channel Bandwidth 10MHz	
Channel 38750 (2310.0MHz)	
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 2GHz
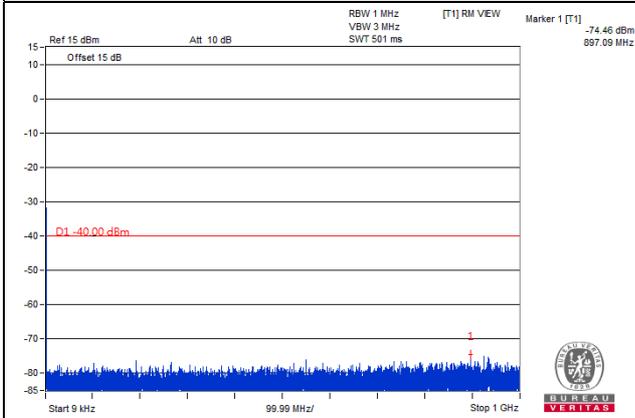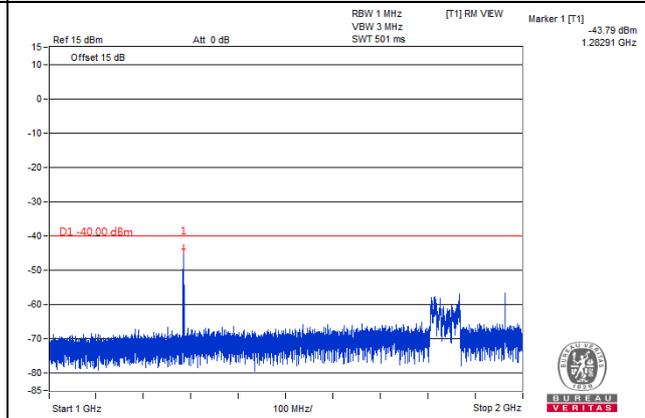
Frequency Range : 2GHz ~ 3GHz	Frequency Range : 3GHz ~ 24GHz
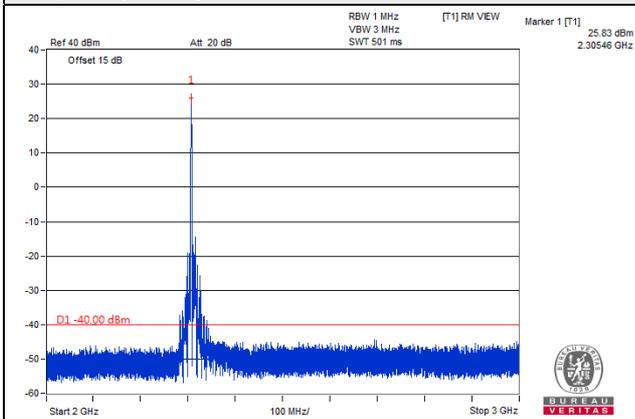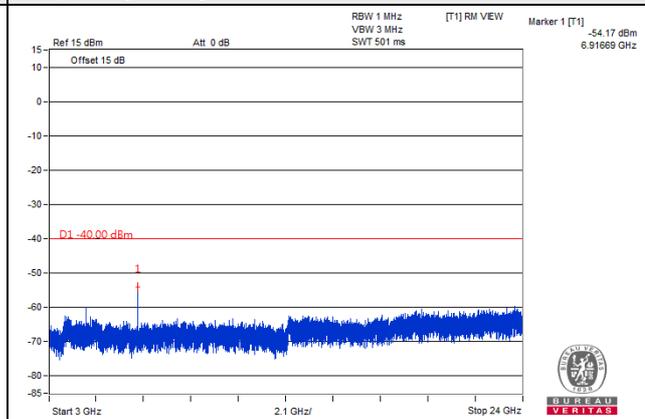
*The 9kHz signal over the limit is from Spectrum.

LTE Band 40 (2350MHz ~ 2360MHz), Channel Bandwidth 5MHz

Channel 39175 (2352.5MHz)
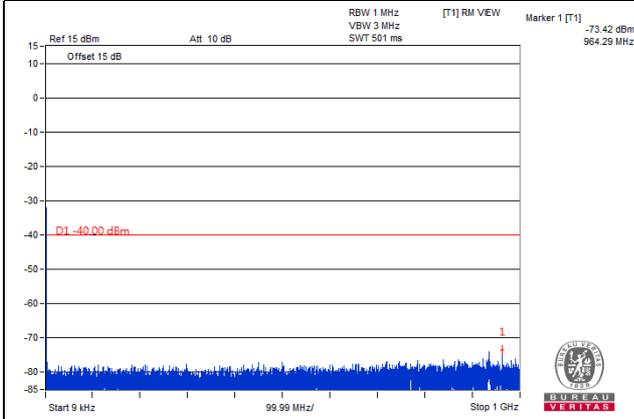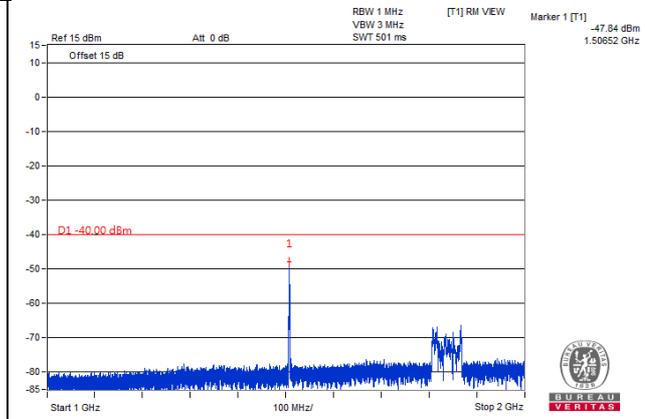
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 2GHz

Frequency Range : 2GHz ~ 3GHz	Frequency Range : 3GHz ~ 24GHz
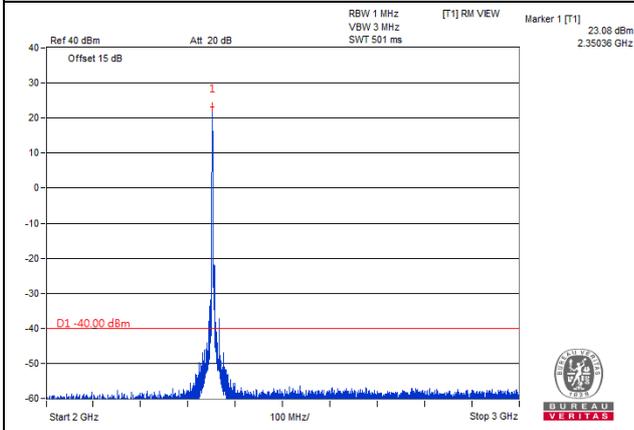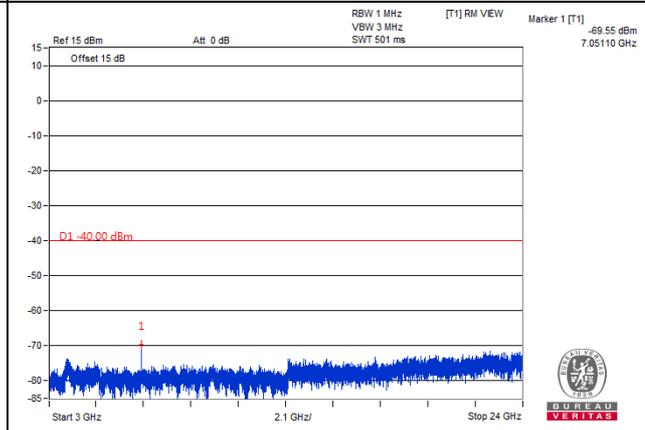
*The 9kHz signal over the limit is from Spectrum.

LTE Band 40 (2350MHz ~ 2360MHz), Channel Bandwidth 5MHz
Channel 39200 (2355.0MHz)
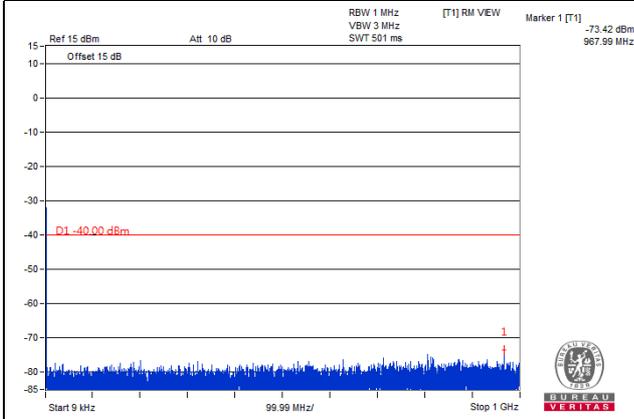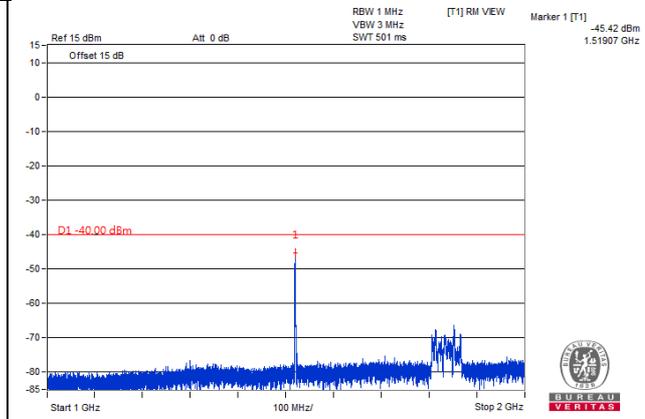
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 2GHz

Frequency Range : 2GHz ~ 3GHz	Frequency Range : 3GHz ~ 24GHz
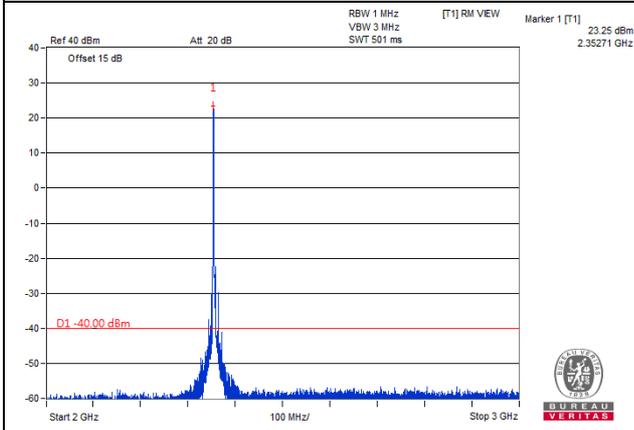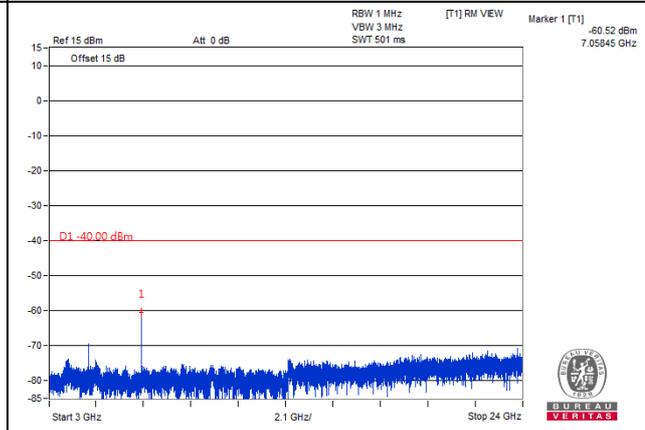
*The 9kHz signal over the limit is from Spectrum.

LTE Band 40 (2350MHz ~ 2360MHz), Channel Bandwidth 5MHz
Channel 39225 (2357.5MHz)
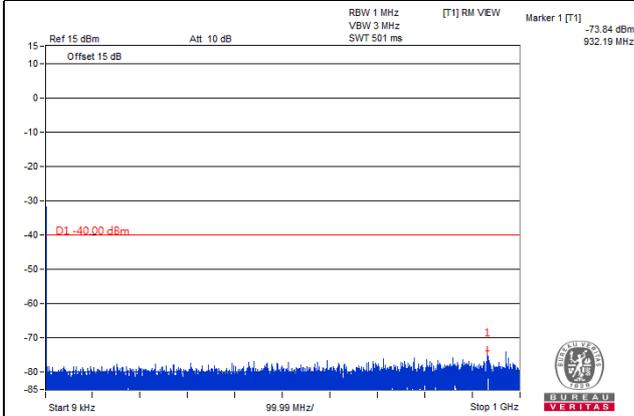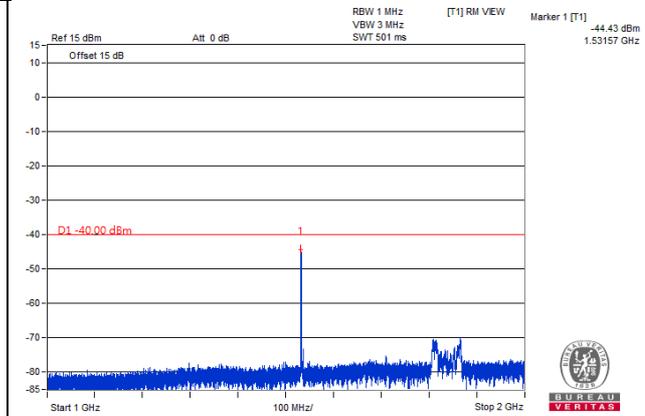
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 2GHz

Frequency Range : 2GHz ~ 3GHz	Frequency Range : 3GHz ~ 24GHz
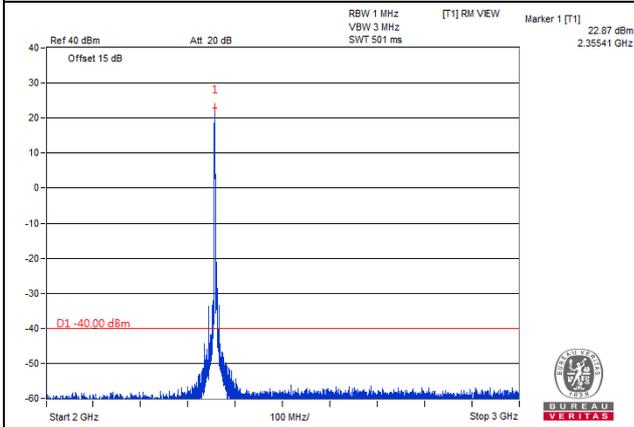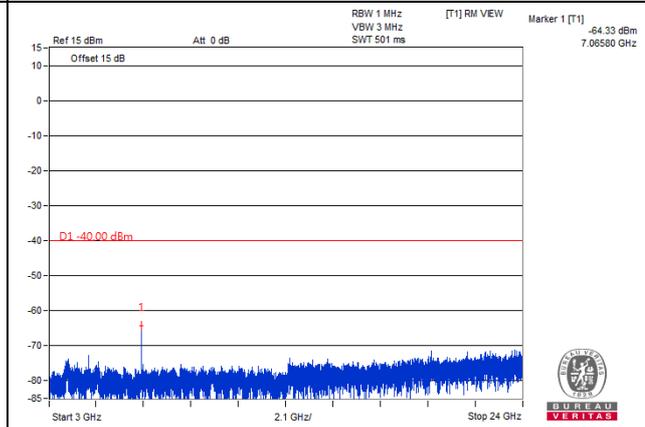
*The 9kHz signal over the limit is from Spectrum.

LTE Band 40 (2350MHz ~ 2360MHz), Channel Bandwidth 10MHz	
Channel 39200 (2355.0MHz)	
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 2GHz
Frequency Range : 2GHz ~ 3GHz	Frequency Range : 3GHz ~ 24GHz
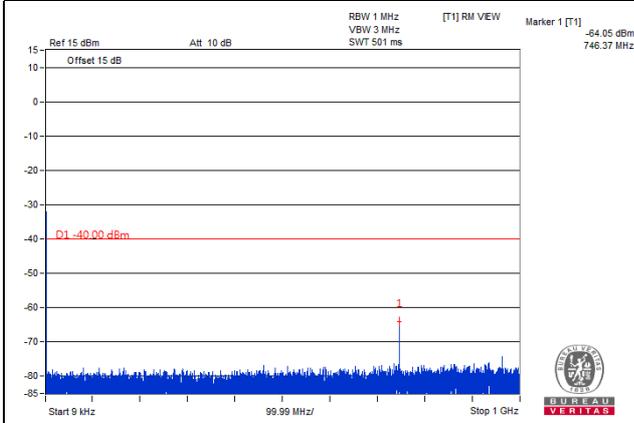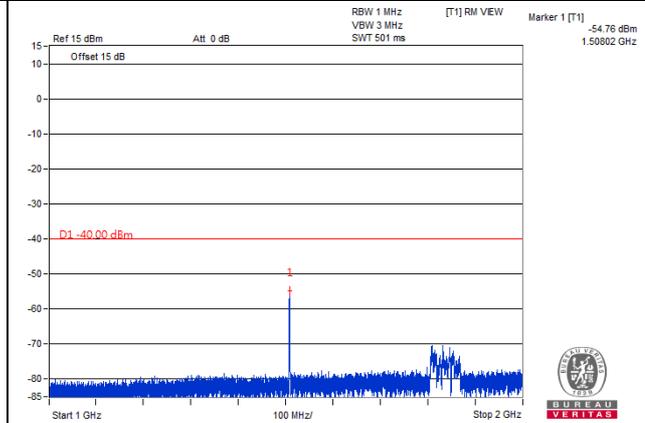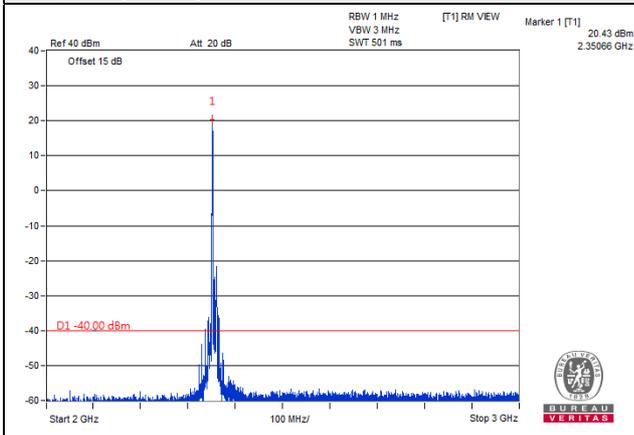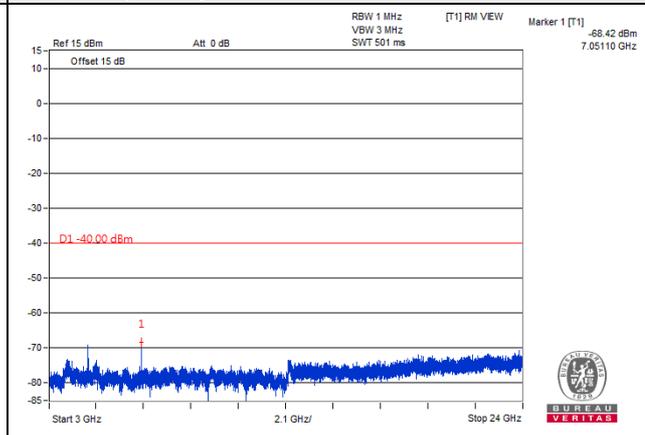
*The 9kHz signal over the limit is from Spectrum.

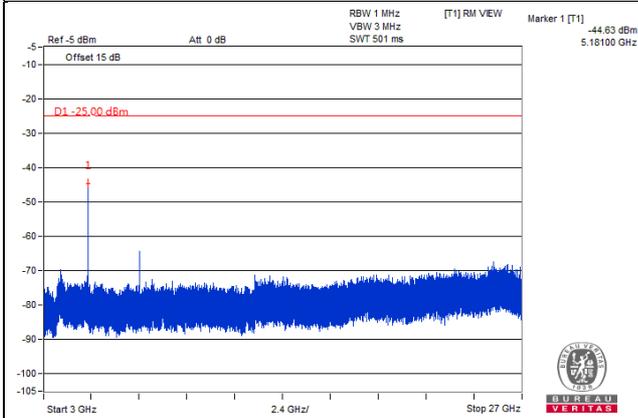| LTE Band 41, Channel Bandwidth 5MHz	
Channel 39675 (2498.5MHz)	
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 3GHz
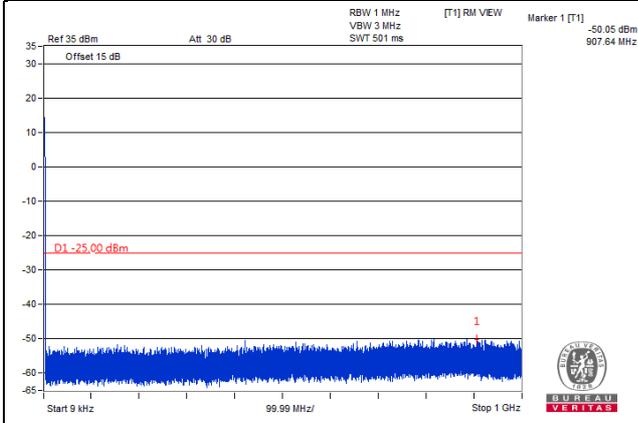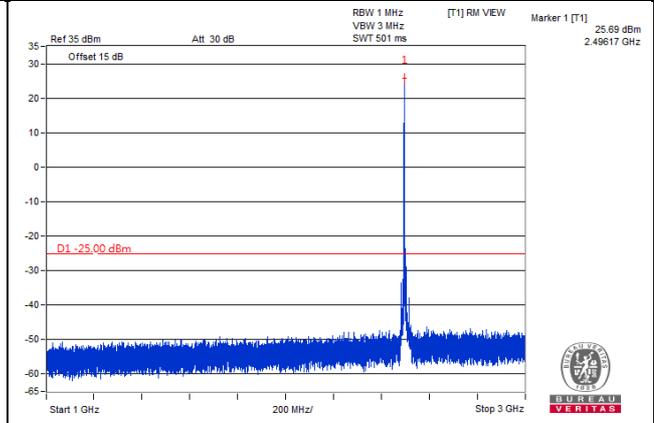
Frequency Range : 3GHz ~ 27GHz	
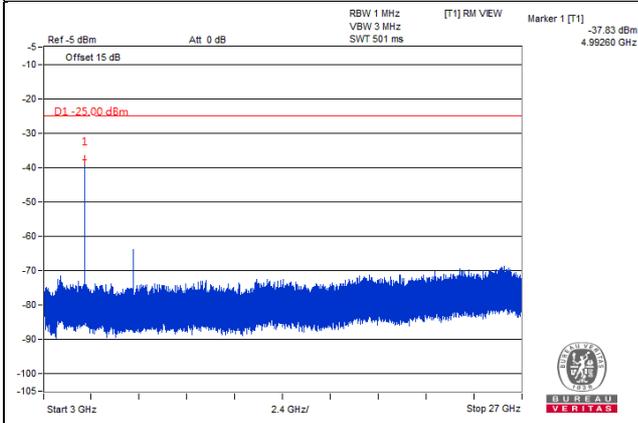
*The 9kHz signal over the limit is from Spectrum.

LTE Band 41, Channel Bandwidth 5MHz
Channel 40620 (2593.0MHz)
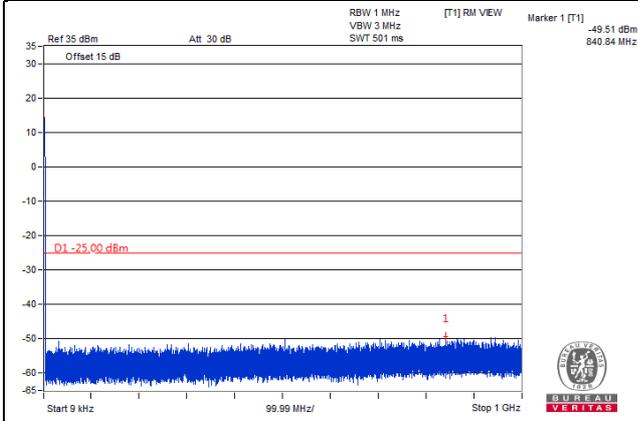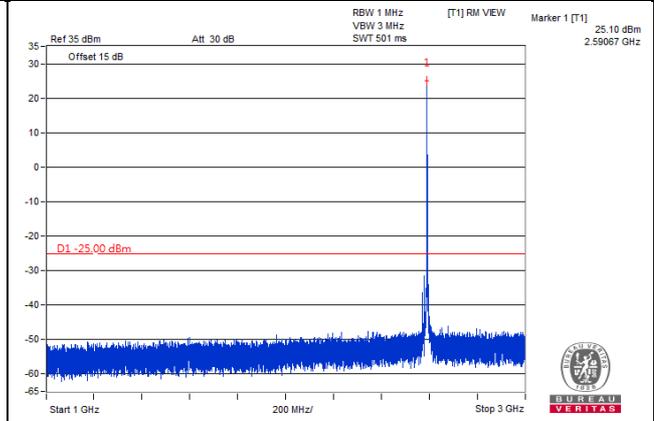
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 3GHz

Frequency Range : 3GHz ~ 27GHz	
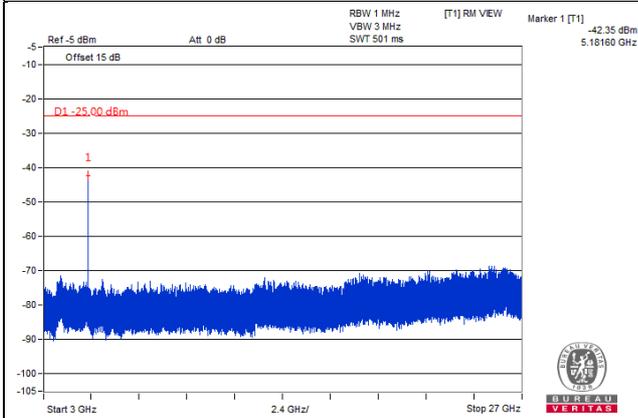
*The 9kHz signal over the limit is from Spectrum.

LTE Band 41, Channel Bandwidth 5MHz	
Channel 41565 (2687.5MHz)	
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 3GHz
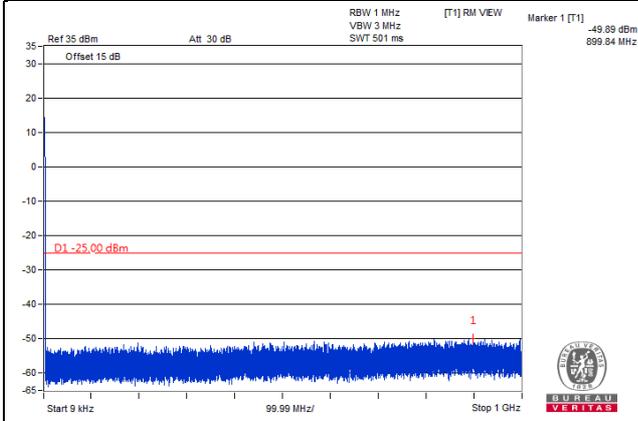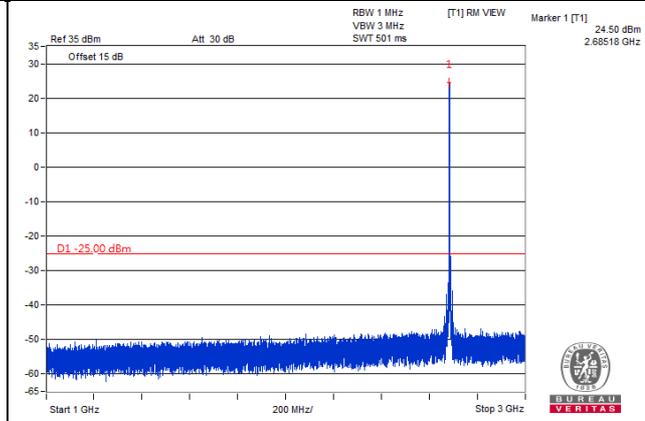
Frequency Range : 3GHz ~ 27GHz	
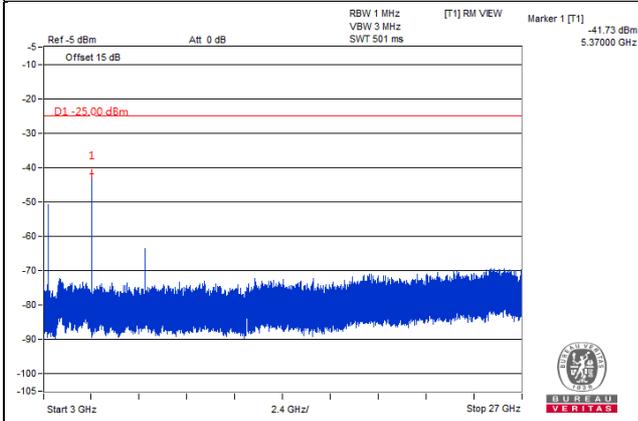
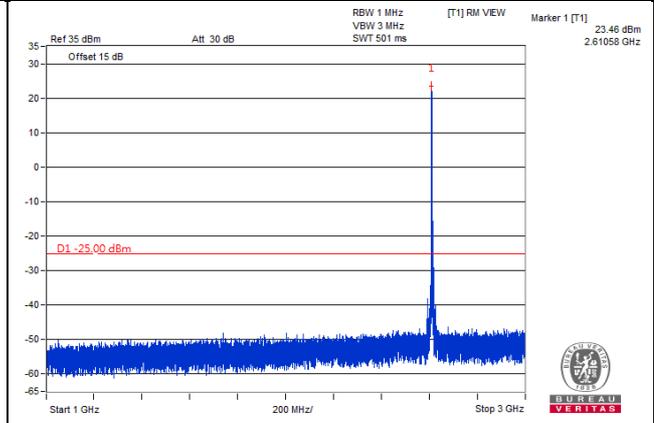

*The 9kHz signal over the limit is from Spectrum.

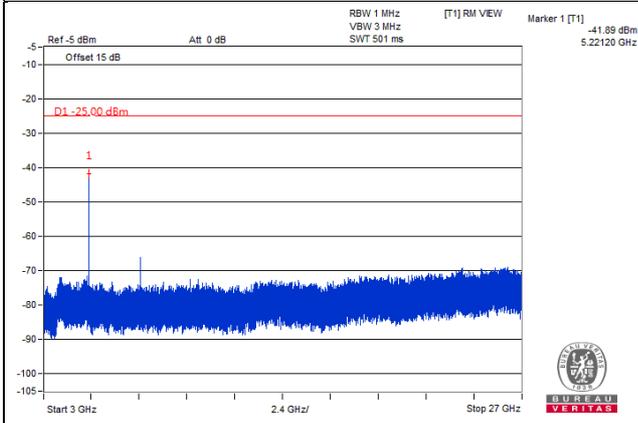| LTE Band 41, Channel Bandwidth 10MHz	
Channel 39700 (2501.0MHz)	
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 3GHz
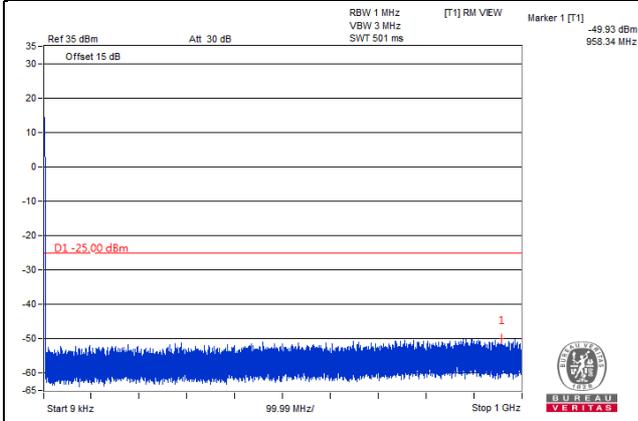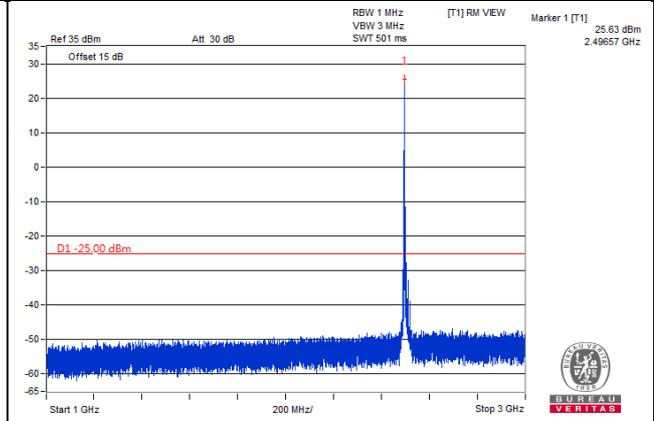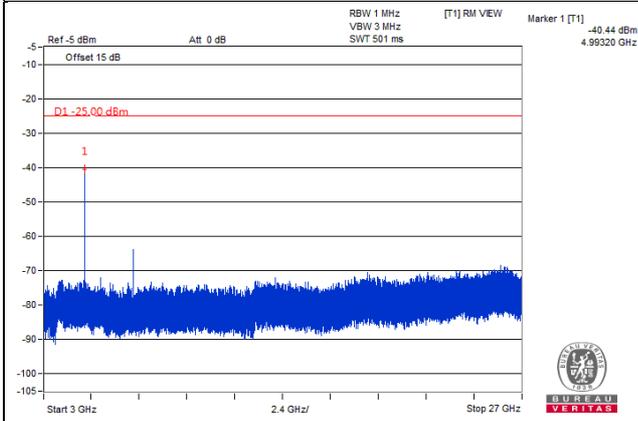
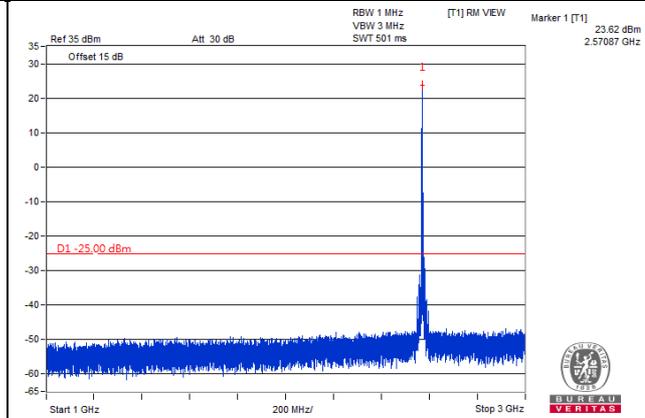| Frequency Range : 3GHz ~ 27GHz	

*The 9kHz signal over the limit is from Spectrum.

LTE Band 41, Channel Bandwidth 10MHz
Channel 40620 (2593.0MHz)
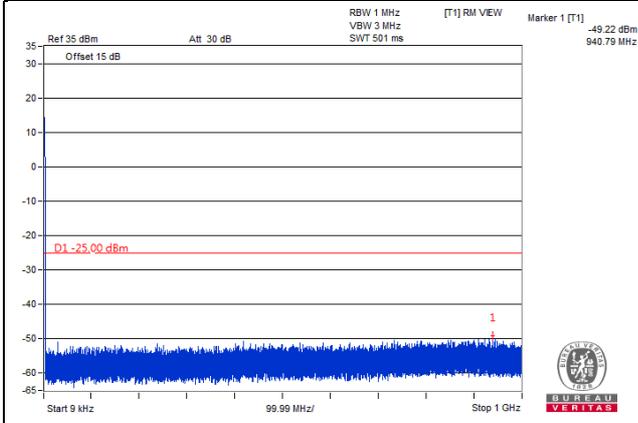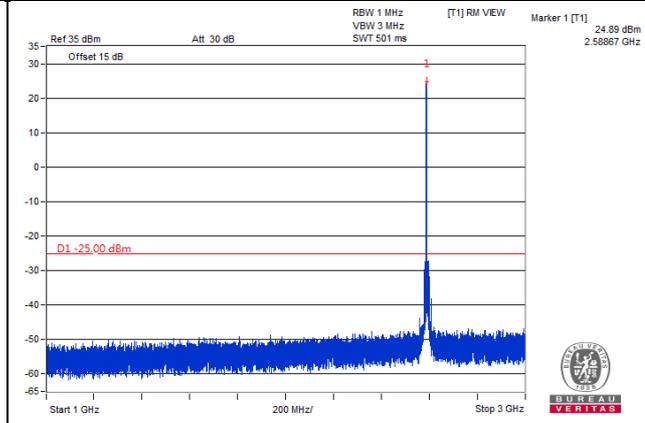
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 3GHz

Frequency Range : 3GHz ~ 27GHz	
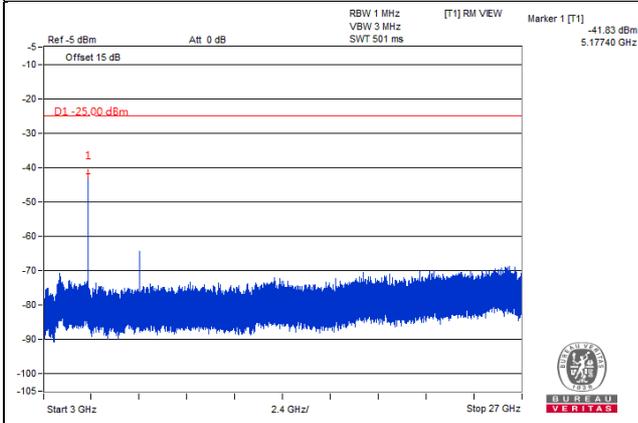
*The 9kHz signal over the limit is from Spectrum.

LTE Band 41, Channel Bandwidth 10MHz

Channel 41540 (2685.0MHz)

Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 3GHz
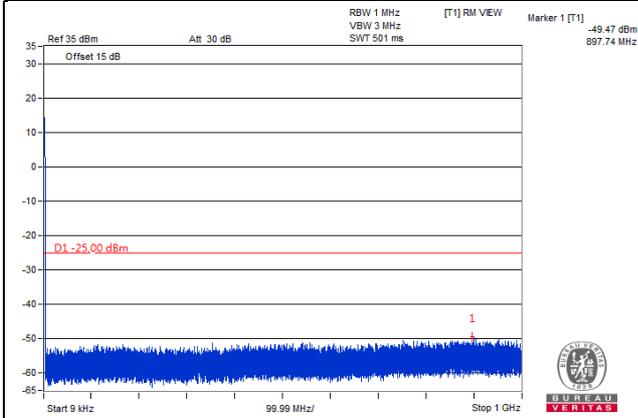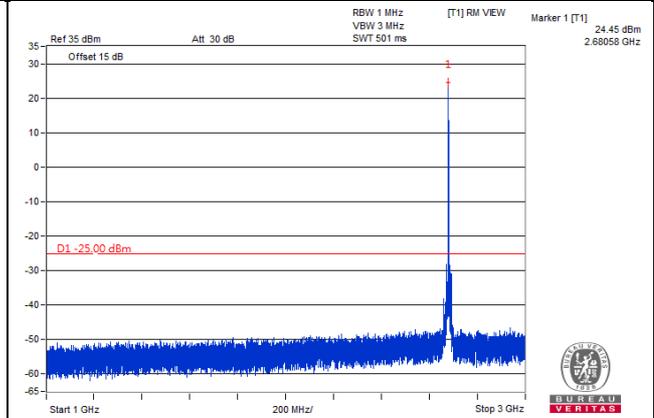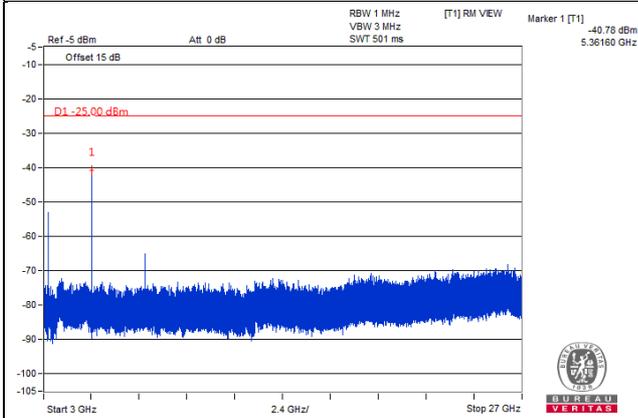
Frequency Range : 3GHz ~ 27GHz	

*The 9kHz signal over the limit is from Spectrum.

LTE Band 41, Channel Bandwidth 15MHz
Channel 39725 (2503.5MHz)

Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 3GHz
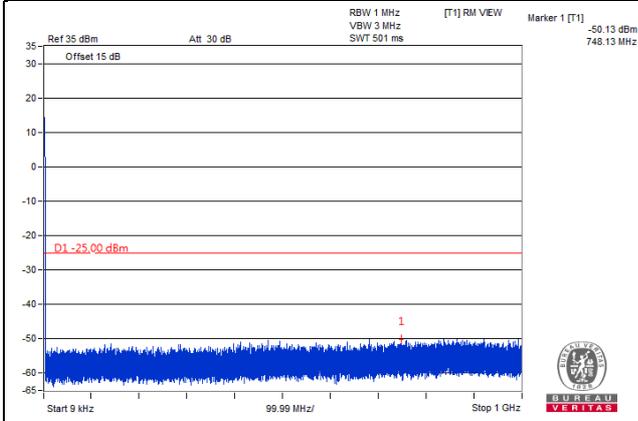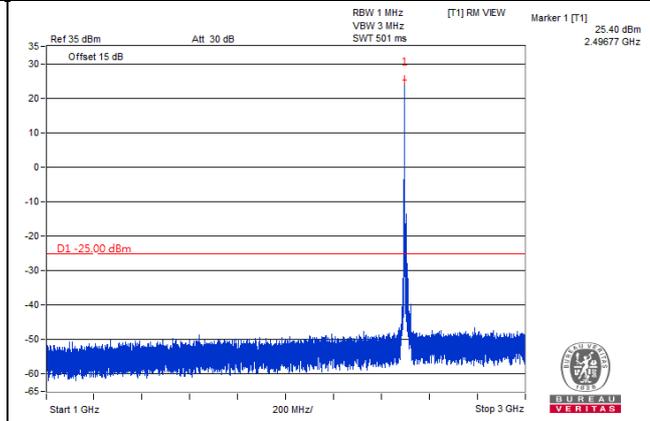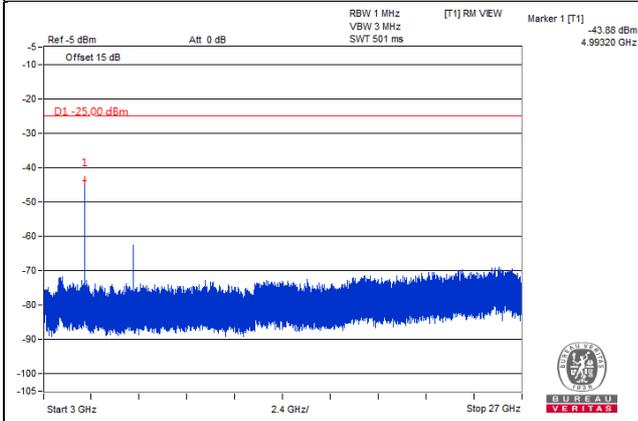
Frequency Range : 3GHz ~ 27GHz	

*The 9kHz signal over the limit is from Spectrum.

LTE Band 41, Channel Bandwidth 15MHz

Channel 40620 (2593.0MHz)
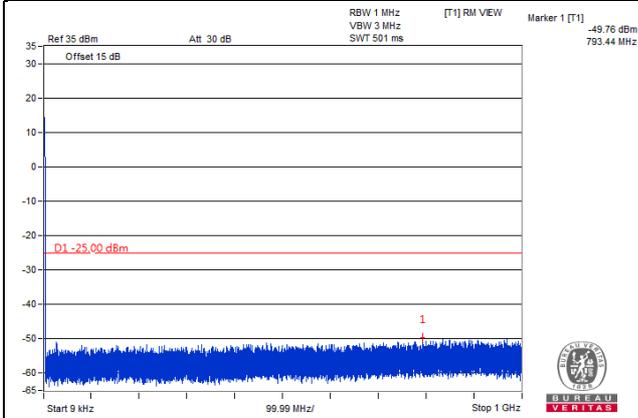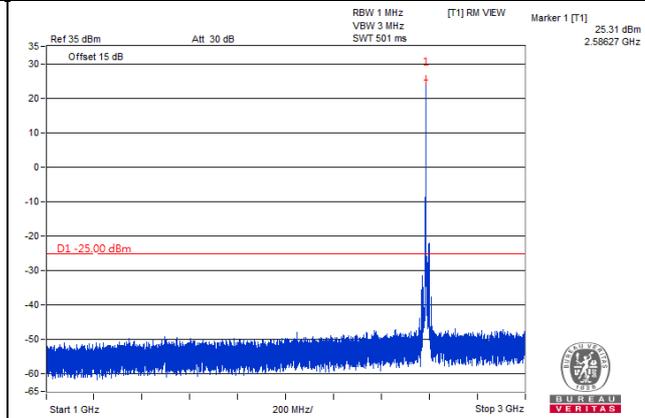
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 3GHz

Frequency Range : 3GHz ~ 27GHz	
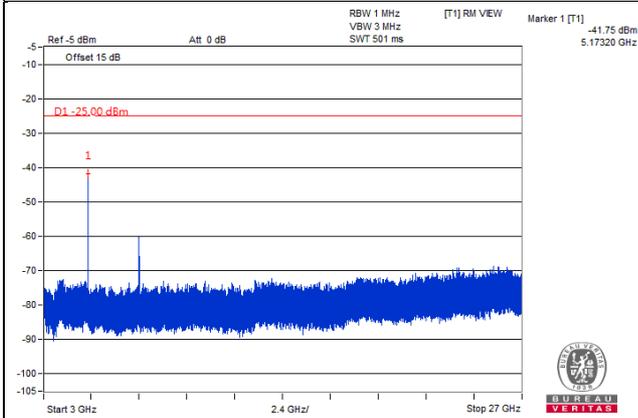
*The 9kHz signal over the limit is from Spectrum.

LTE Band 41, Channel Bandwidth 15MHz
Channel 41515 (2682.5MHz)

Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 3GHz
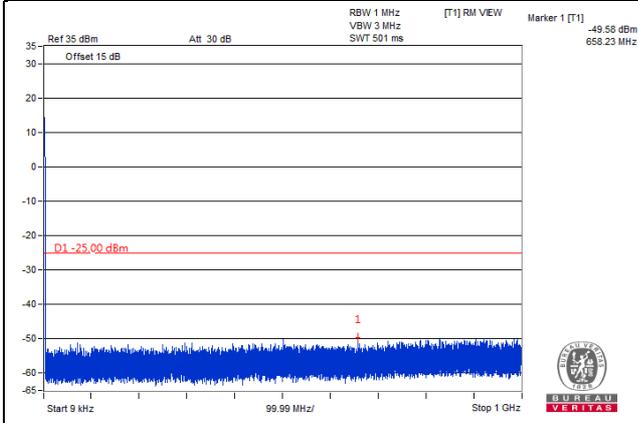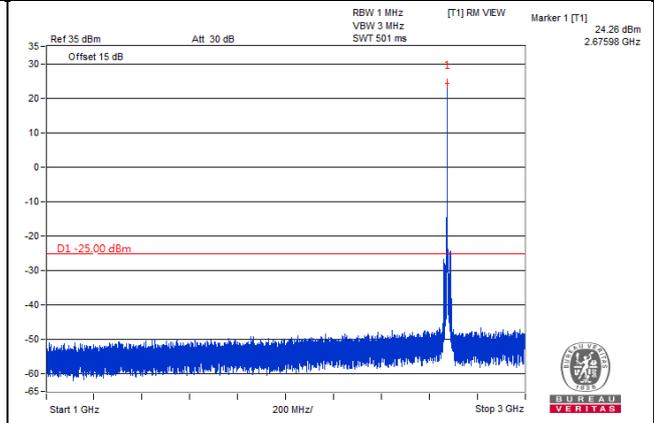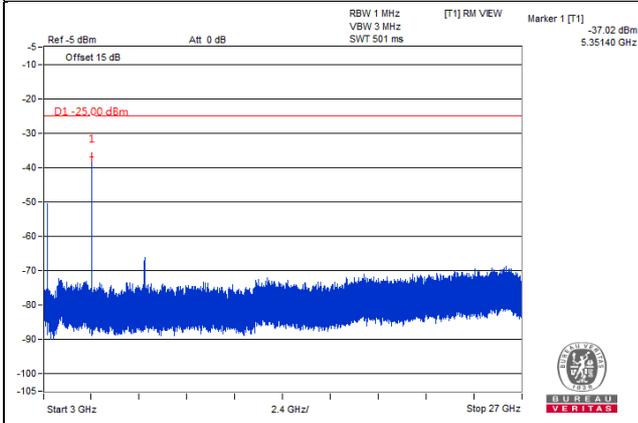
Frequency Range : 3GHz ~ 27GHz	

*The 9kHz signal over the limit is from Spectrum.

LTE Band 41, Channel Bandwidth 20MHz
Channel 39750 (2506.0MHz)
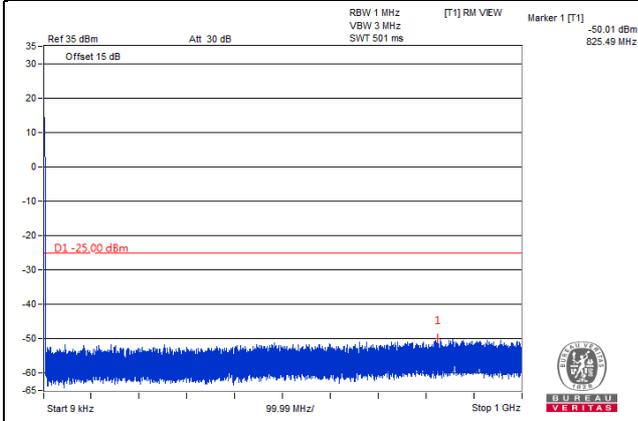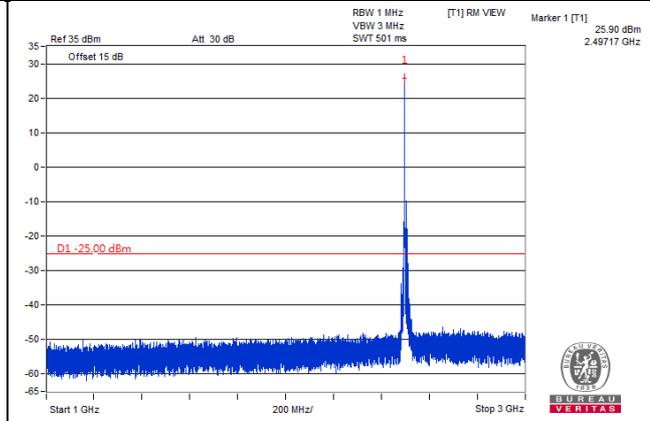
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 3GHz

Frequency Range : 3GHz ~ 27GHz	
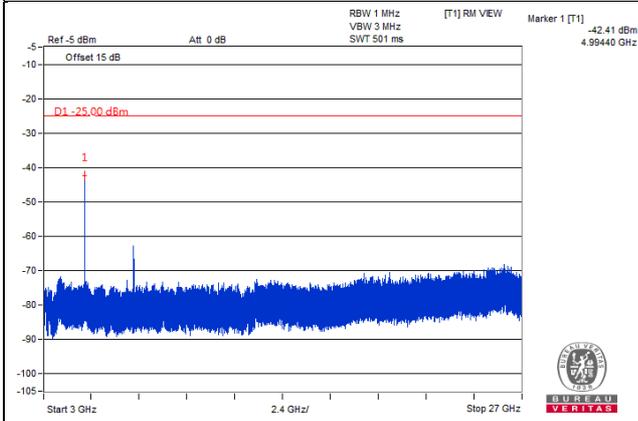
*The 9kHz signal over the limit is from Spectrum.

LTE Band 41, Channel Bandwidth 20MHz	
Channel 40620 (2593.0MHz)	
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 3GHz
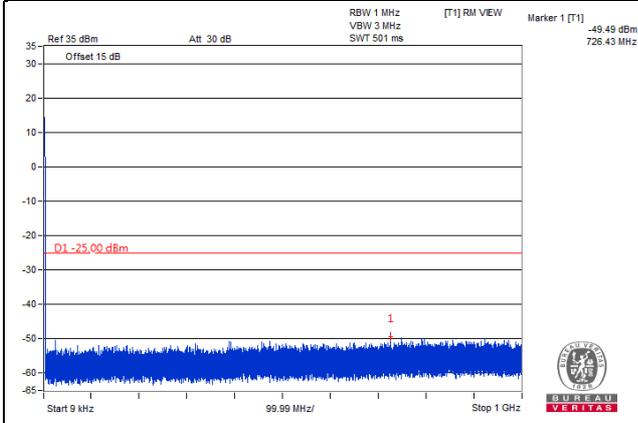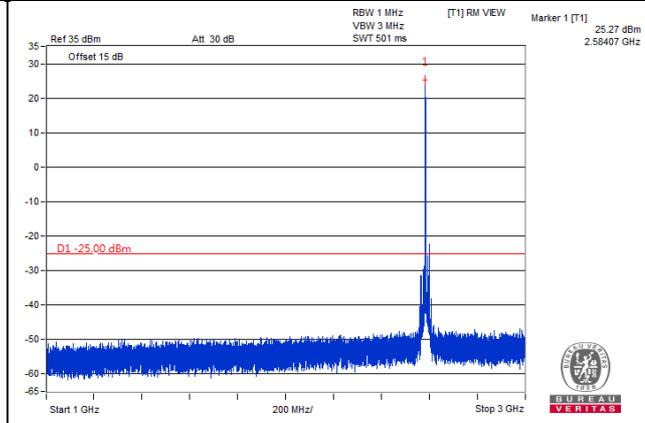
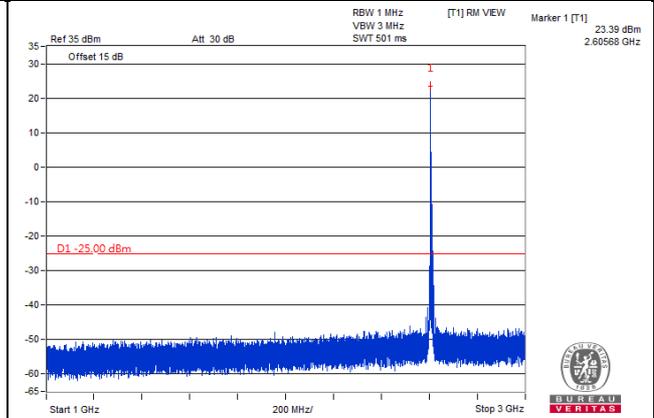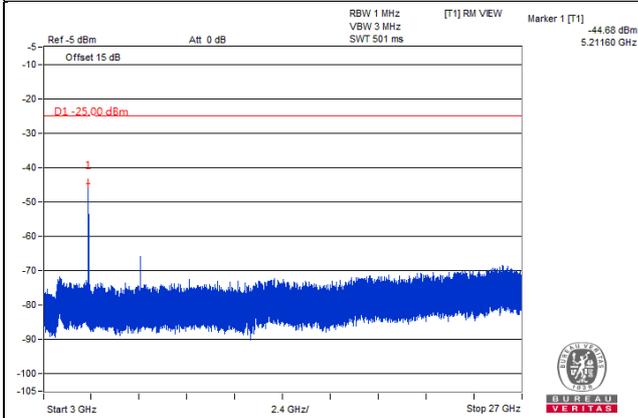| Frequency Range : 3GHz ~ 27GHz	
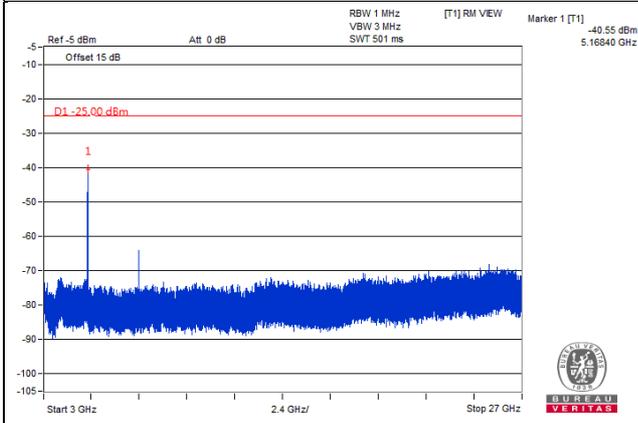
*The 9kHz signal over the limit is from Spectrum.

LTE Band 41, Channel Bandwidth 20MHz
Channel 41490 (2680.0MHz)
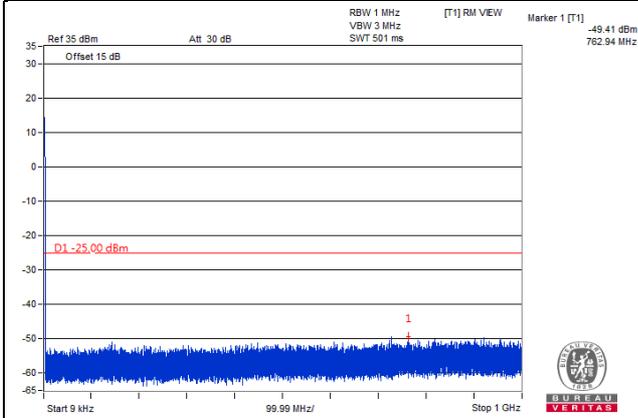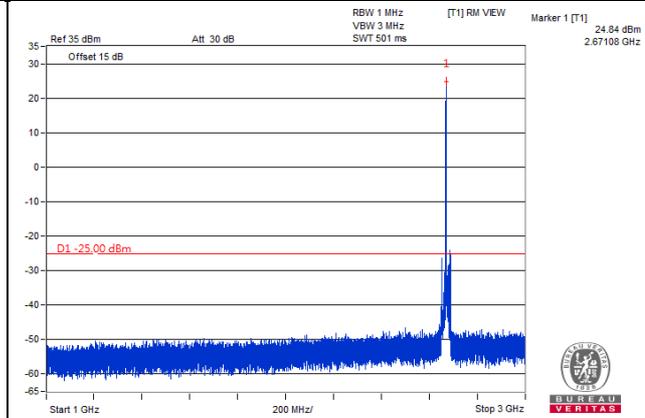
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 3GHz

Frequency Range : 3GHz ~ 27GHz	
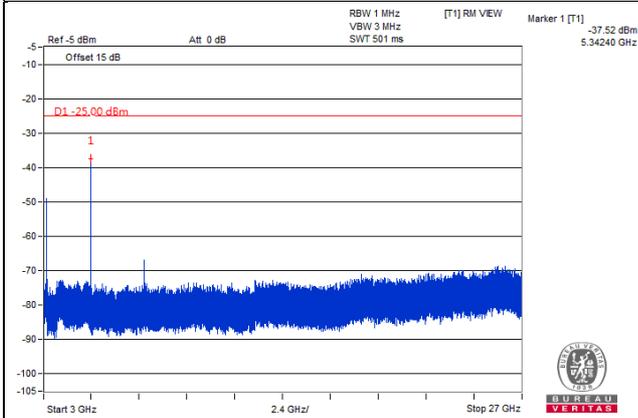
*The 9kHz signal over the limit is from Spectrum.

LTE Band 66, Channel Bandwidth 1.4MHz	
Channel 131979 (1710.7MHz)	
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 18GHz
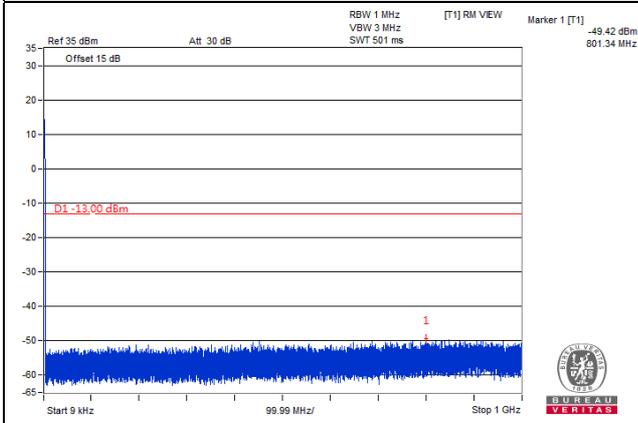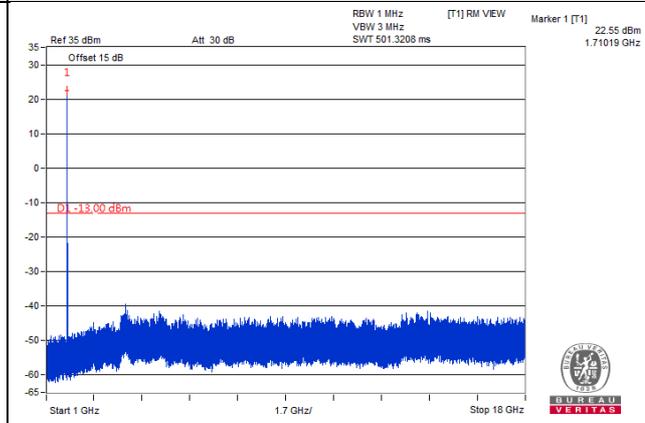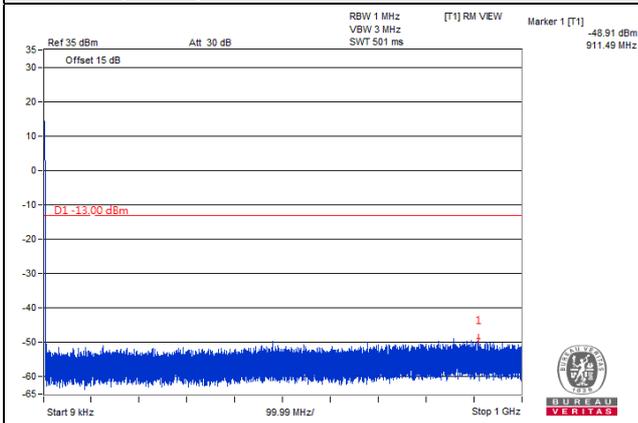
Channel 132322 (1745.0MHz)	
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 18GHz
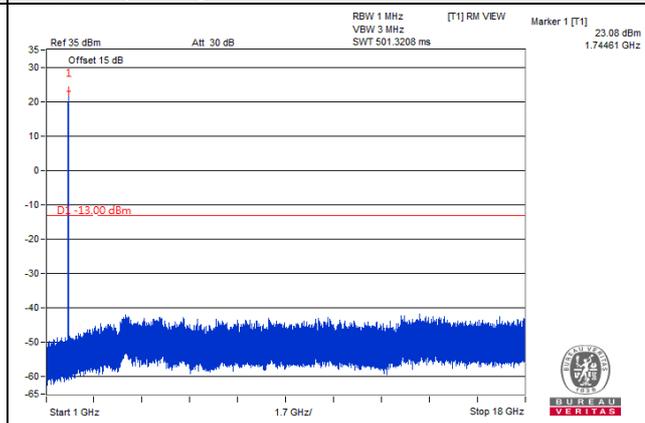
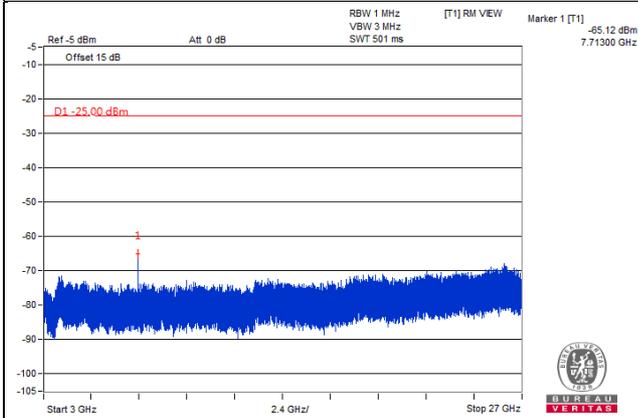| Channel 132665 (1779.3MHz)	
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 18GHz
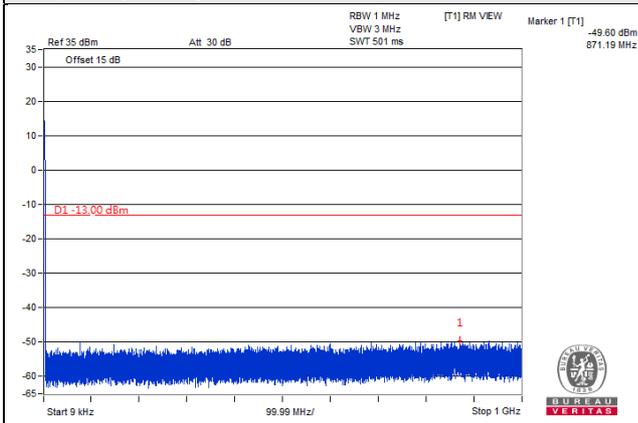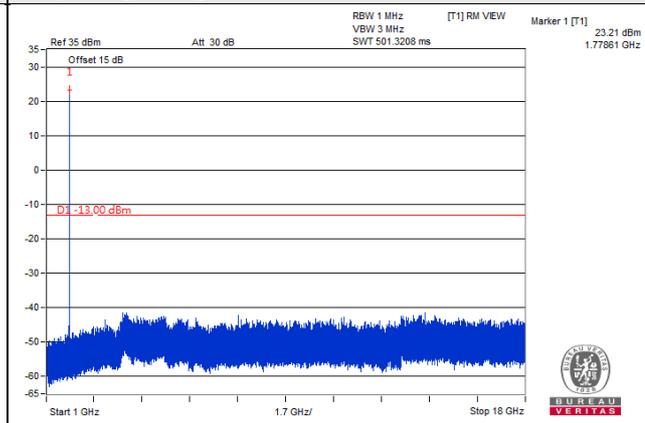
*The 9kHz signal over the limit is from Spectrum.

LTE Band 66, Channel Bandwidth 3MHz	
Channel 131987 (1711.5MHz)	
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 18GHz
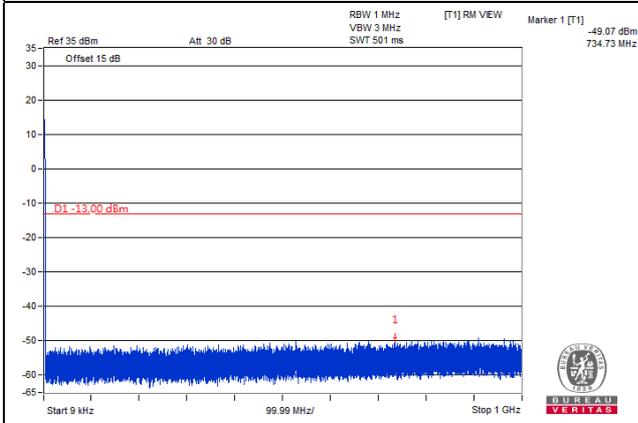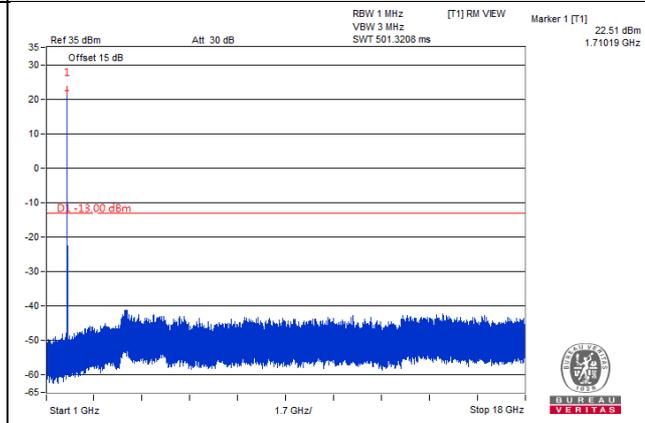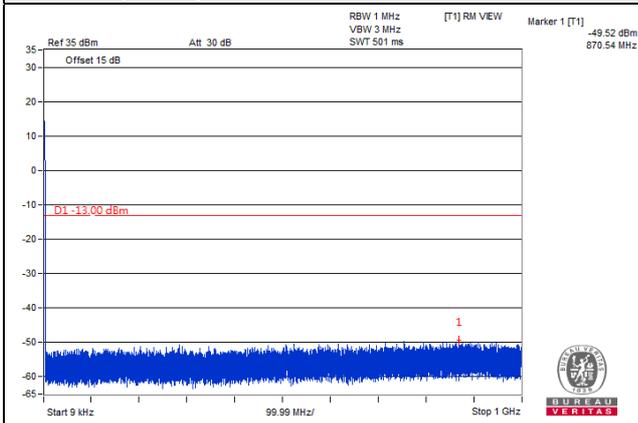
Channel 132322 (1745.0MHz)	
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 18GHz
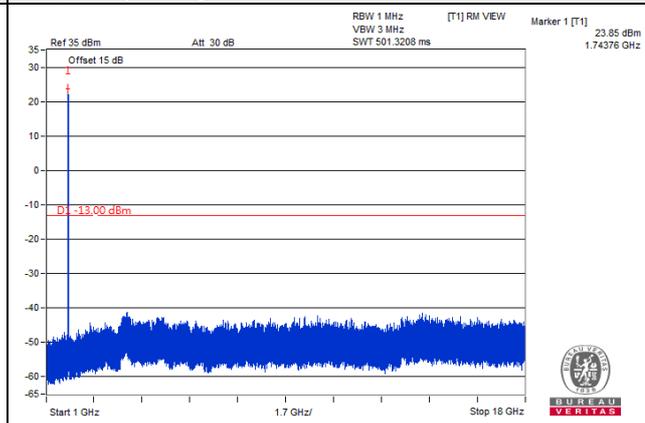
Channel 132657 (1778.5MHz)	
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 18GHz
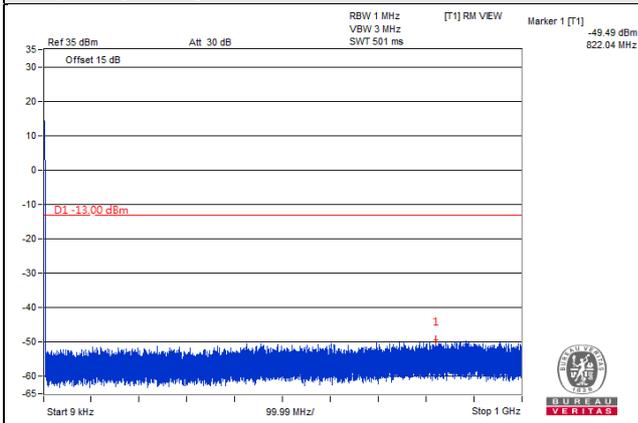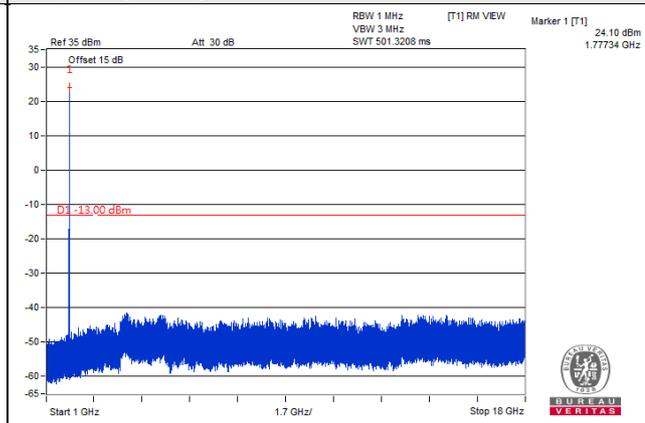
*The 9kHz signal over the limit is from Spectrum.

LTE Band 66, Channel Bandwidth 5MHz	
Channel 131997 (1712.5MHz)	
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 18GHz
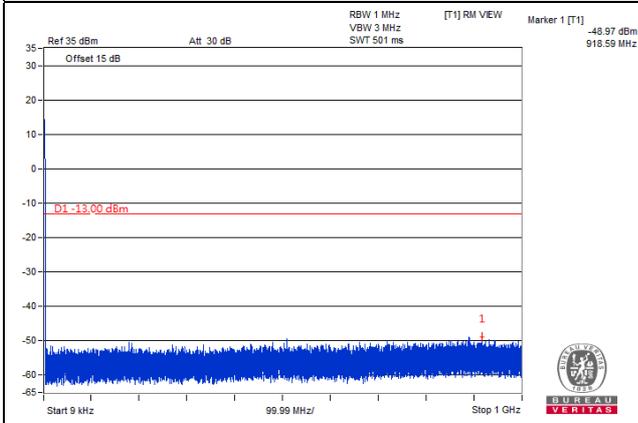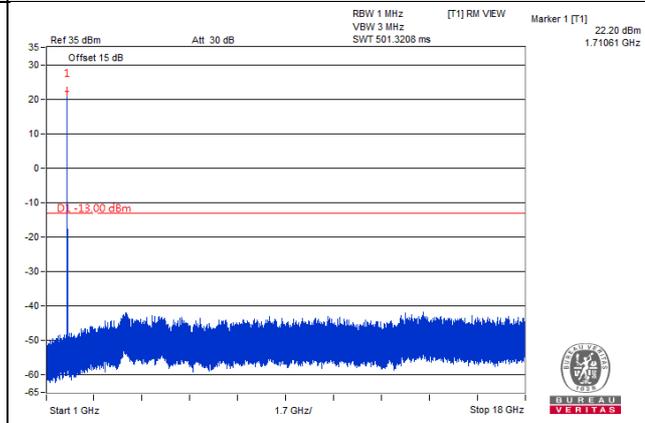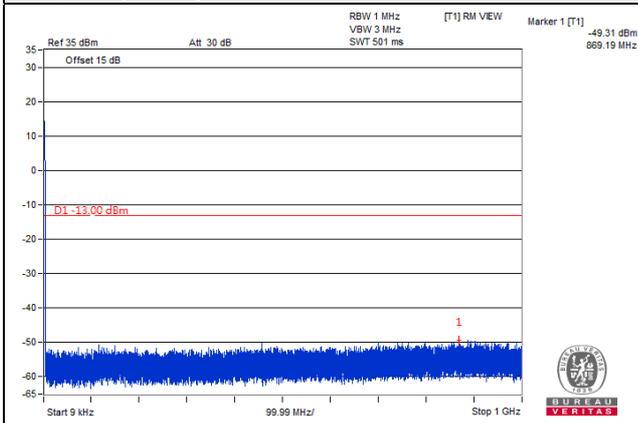
Channel 132322 (1745.0MHz)	
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 18GHz
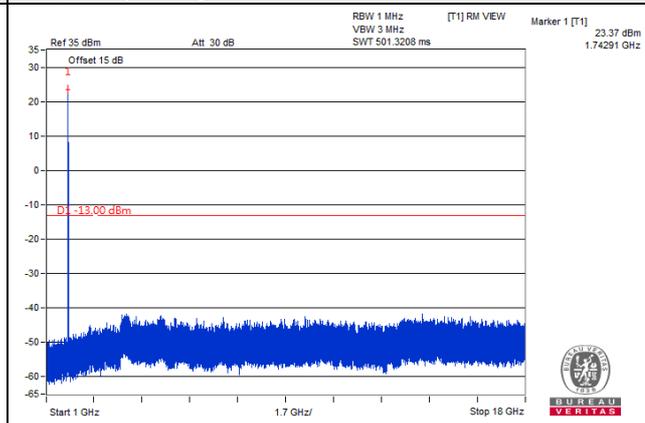
Channel 132647 (1777.5MHz)	
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 18GHz
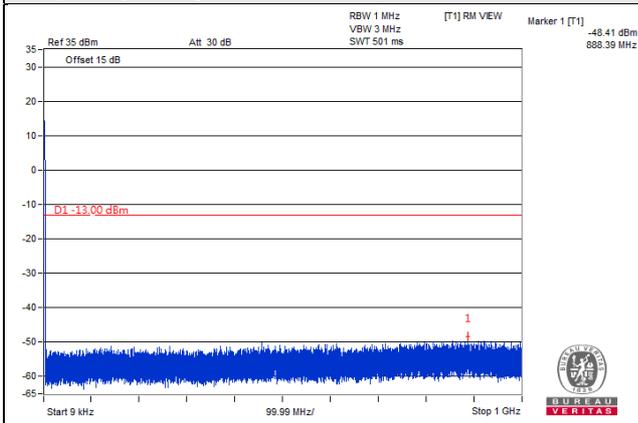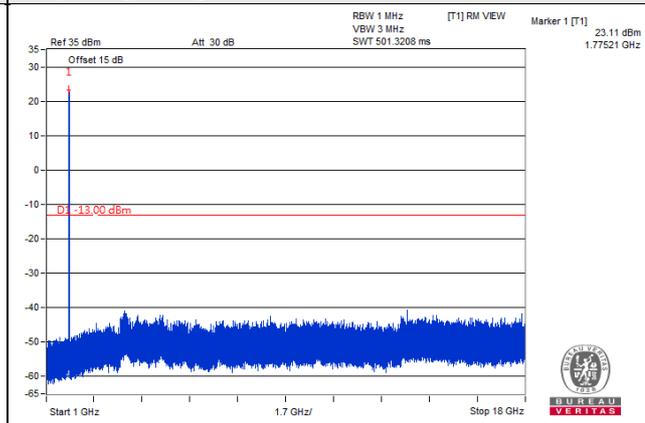
*The 9kHz signal over the limit is from Spectrum.

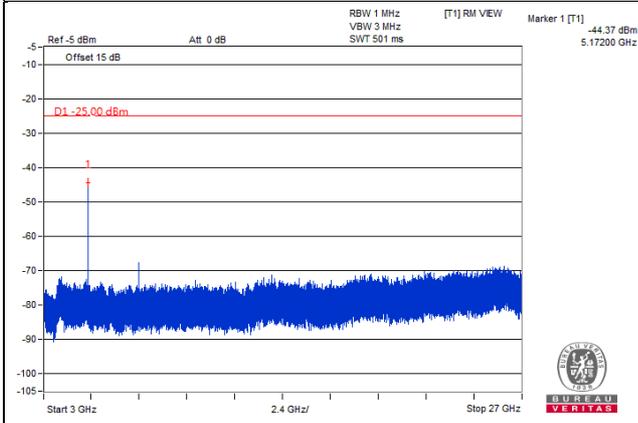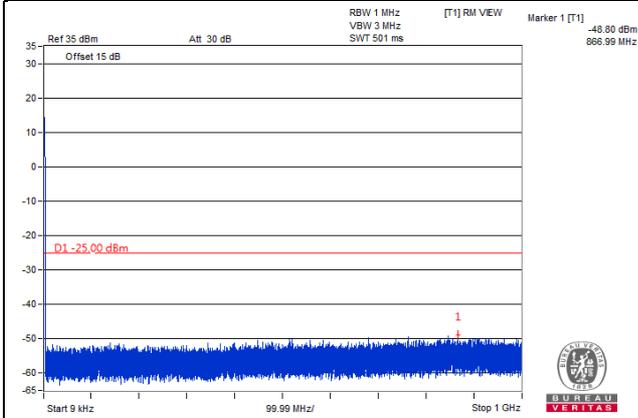LTE Band 66, Channel Bandwidth 10MHz

Channel 132022 (1715.0MHz)

Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 18GHz
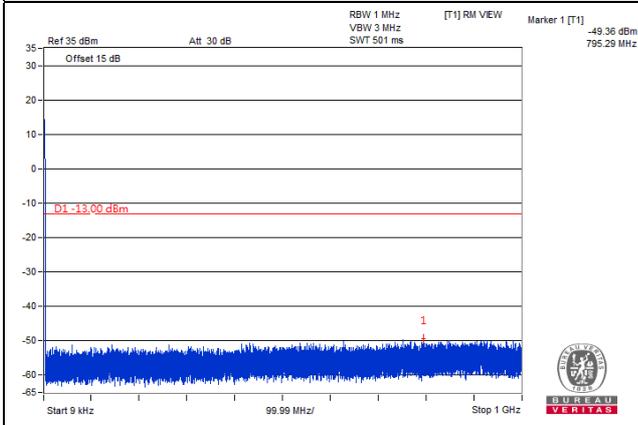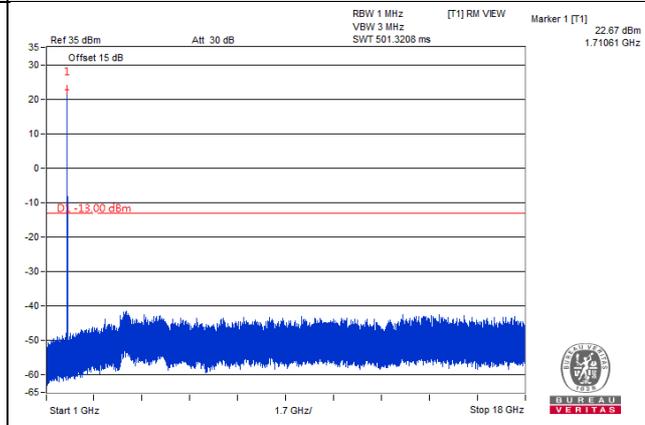
Channel 132322 (1745.0MHz)
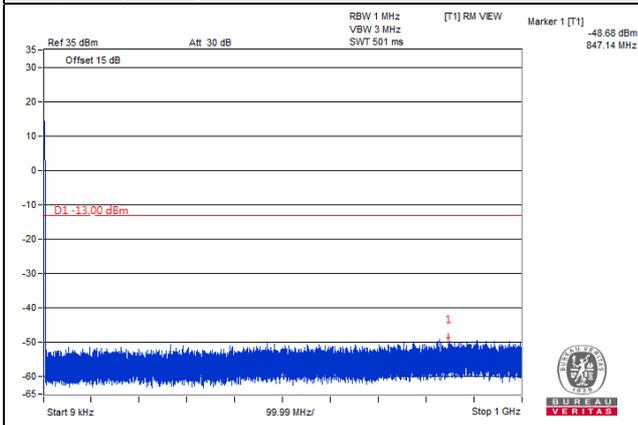
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 18GHz
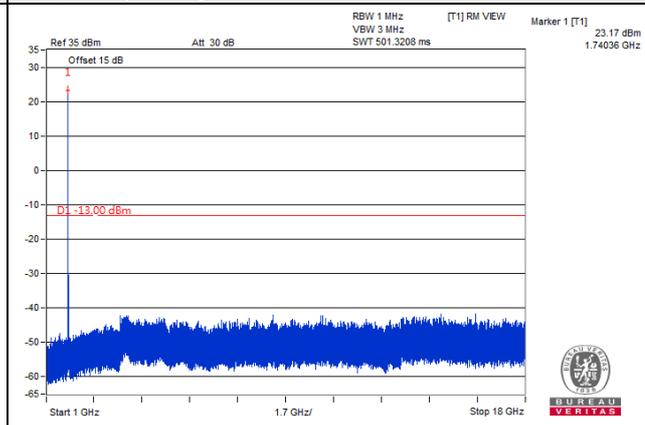
Channel 132622 (1775.0MHz)

Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 18GHz
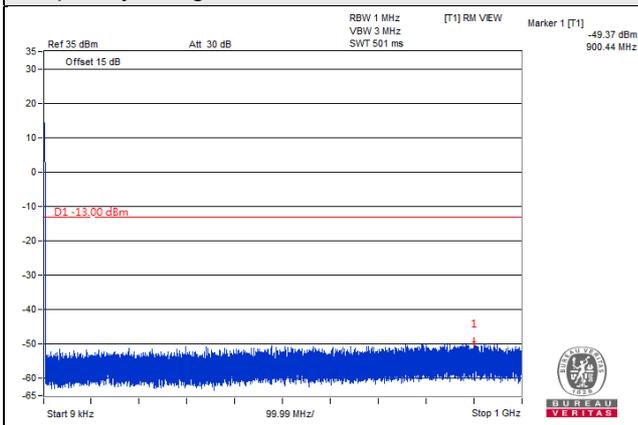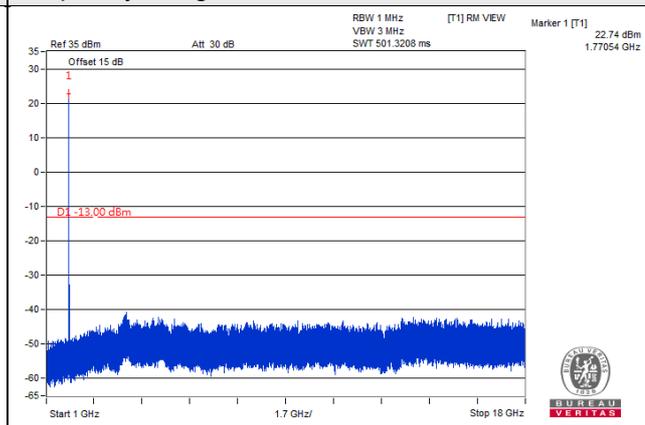
*The 9kHz signal over the limit is from Spectrum.

LTE Band 66, Channel Bandwidth 15MHz

Channel 132047 (1717.5MHz)

Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 18GHz
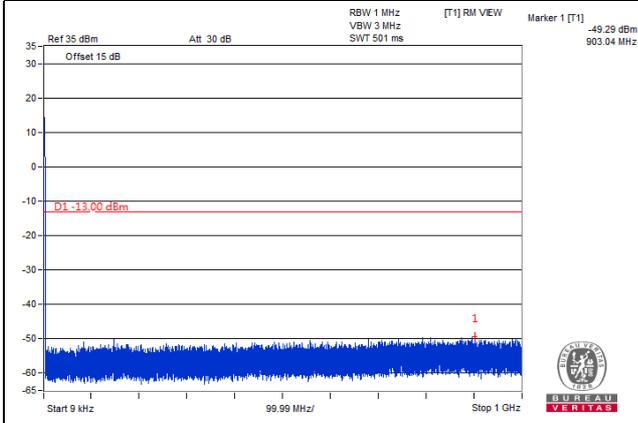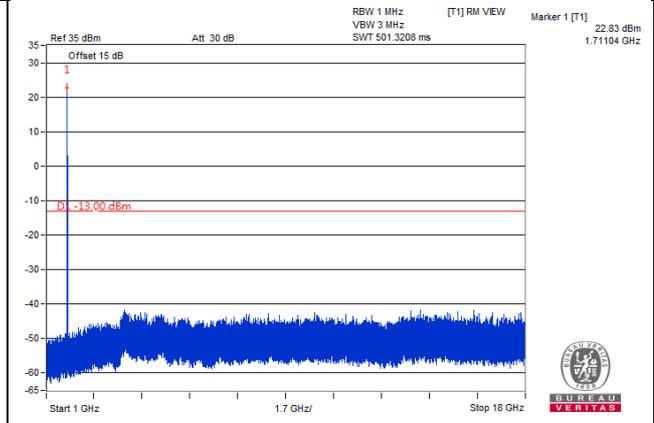
Channel 132322 (1745.0MHz)
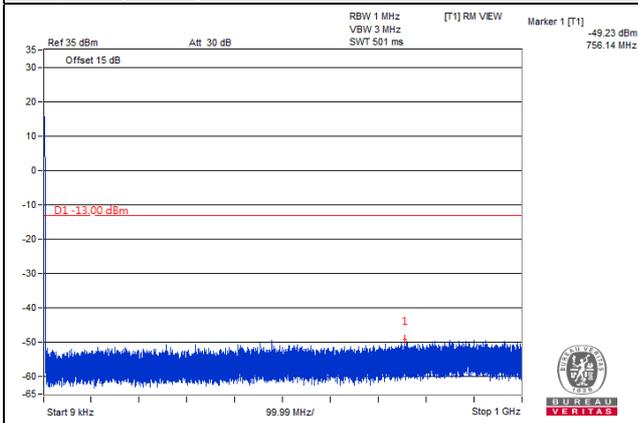
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 18GHz
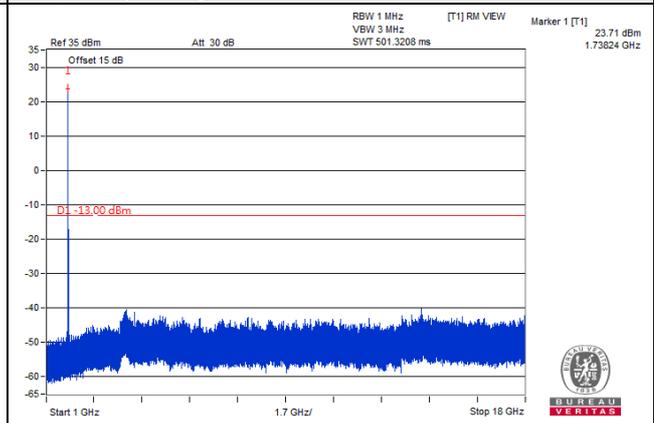
Channel 132597 (1772.5MHz)

Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 18GHz
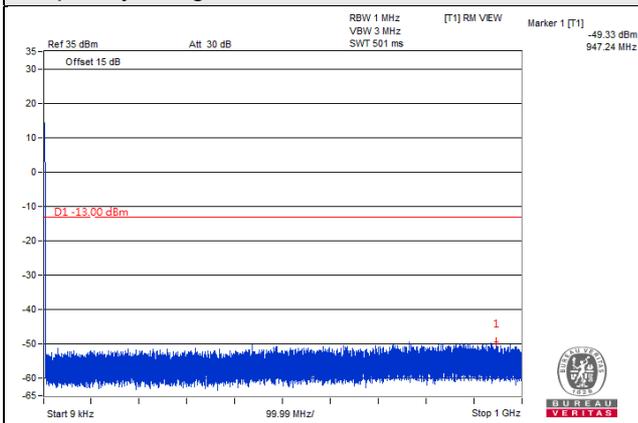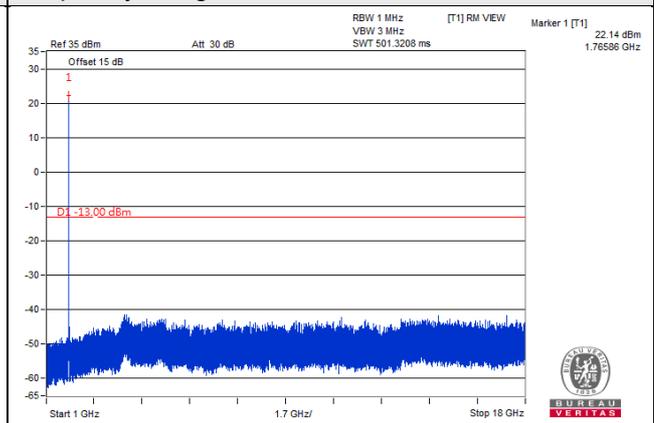
*The 9kHz signal over the limit is from Spectrum.

LTE Band 66, Channel Bandwidth 20MHz

Channel 132072 (1720.0MHz)	
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 18GHz
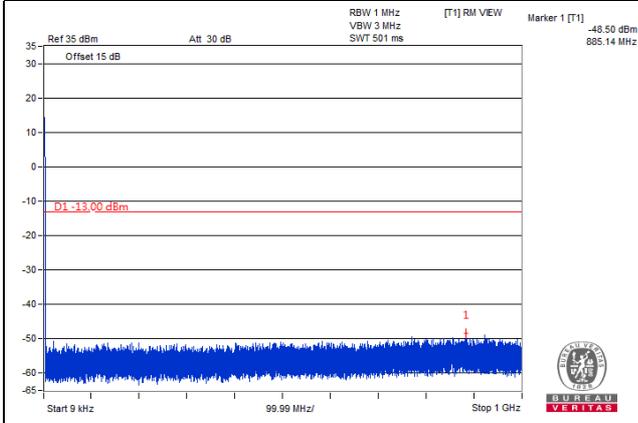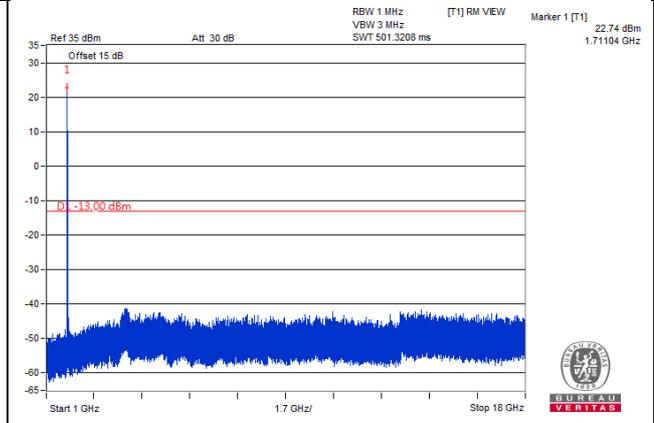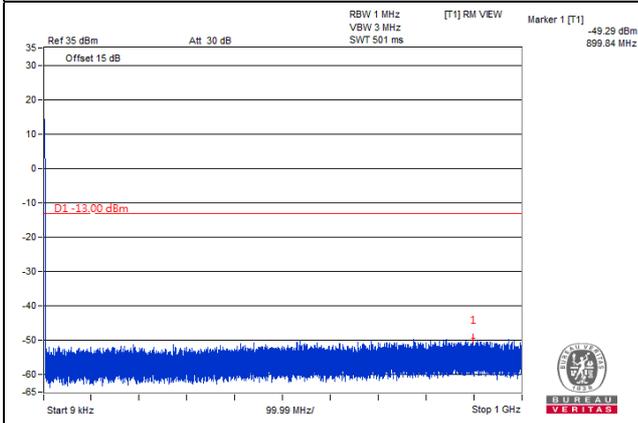
Channel 132322 (1745.0MHz)	
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 18GHz
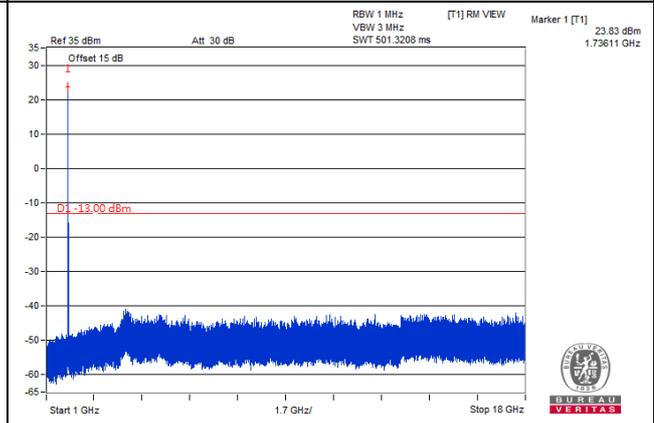
Channel 132572 (1770.0MHz)	
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 18GHz
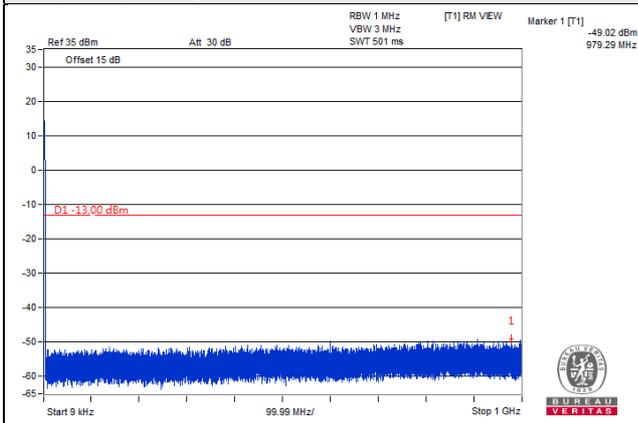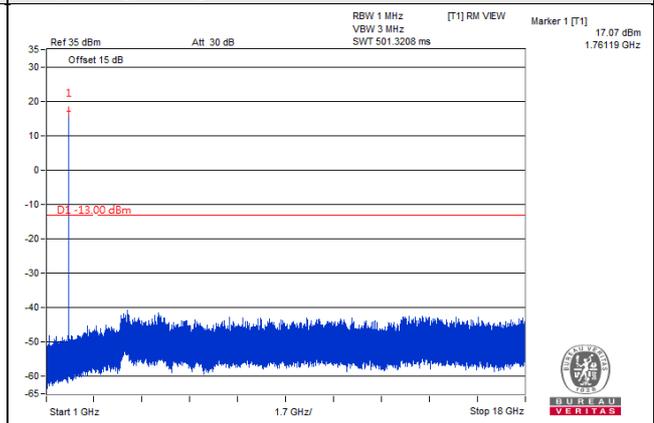
*The 9kHz signal over the limit is from Spectrum.

LTE Band 71, Channel Bandwidth 5MHz

Channel 133147 (665.5MHz)
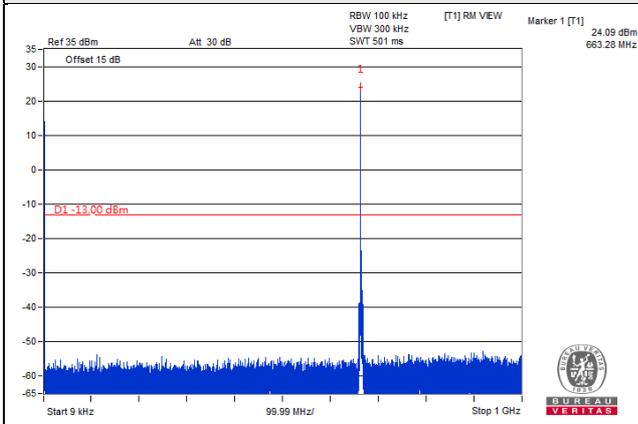
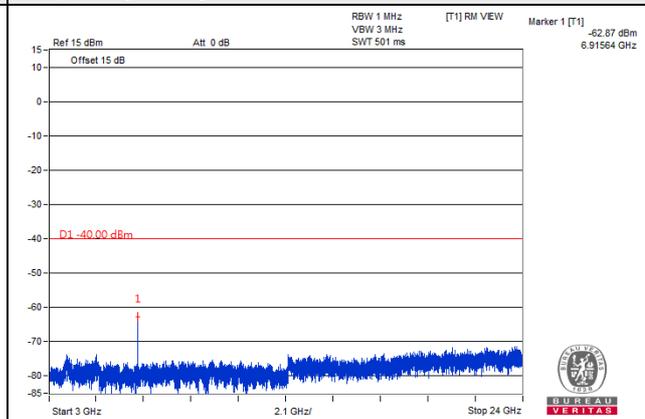| Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 7GHz
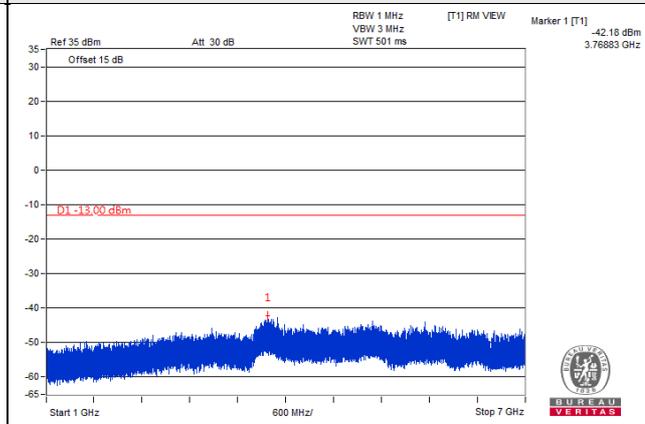
Channel 133297 (680.5MHz)
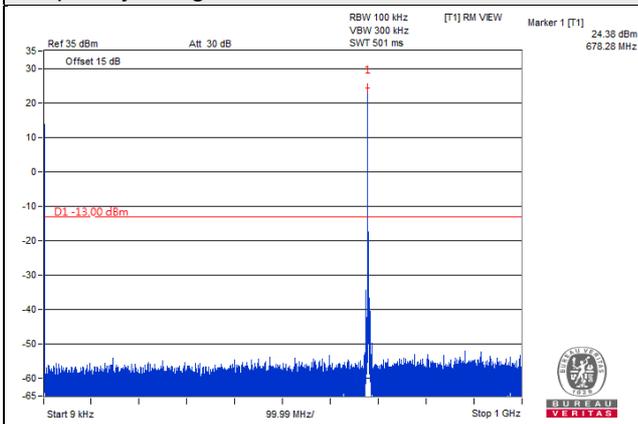
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 7GHz
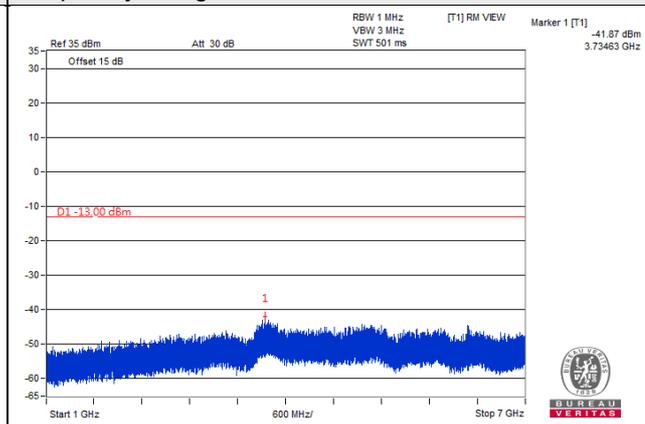
Channel 133447 (695.5MHz)
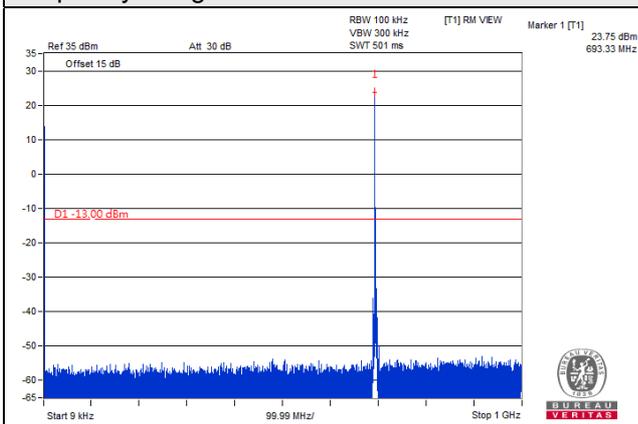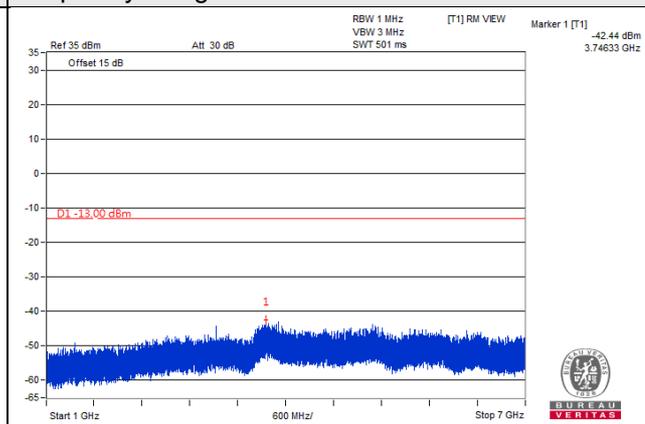
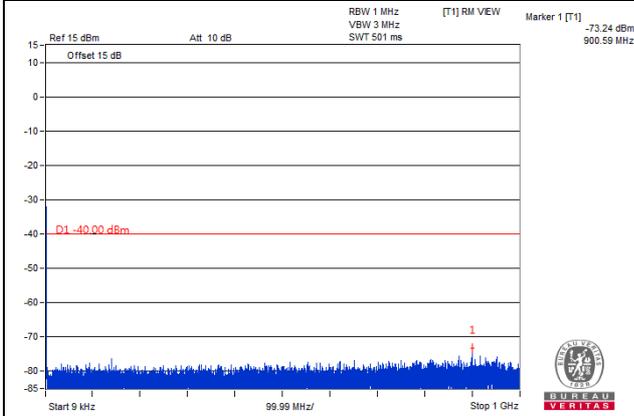| Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 7GHz

*The 9kHz signal over the limit is from Spectrum.

LTE Band 71, Channel Bandwidth 10MHz

Channel 133172 (668.0MHz)

Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 7GHz
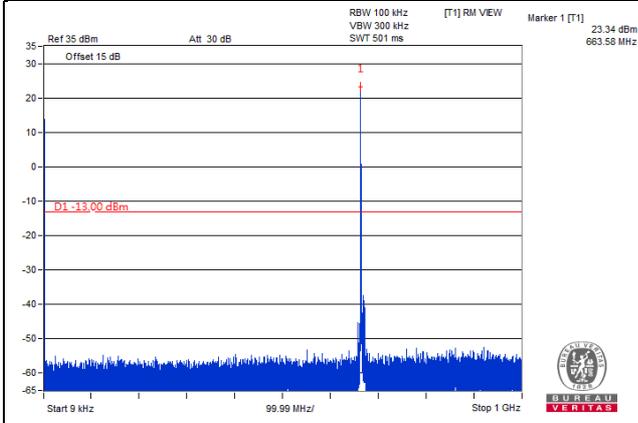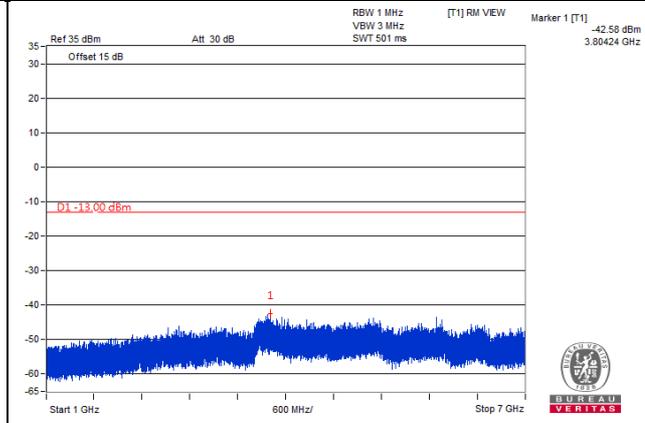
Channel 133297 (680.5MHz)
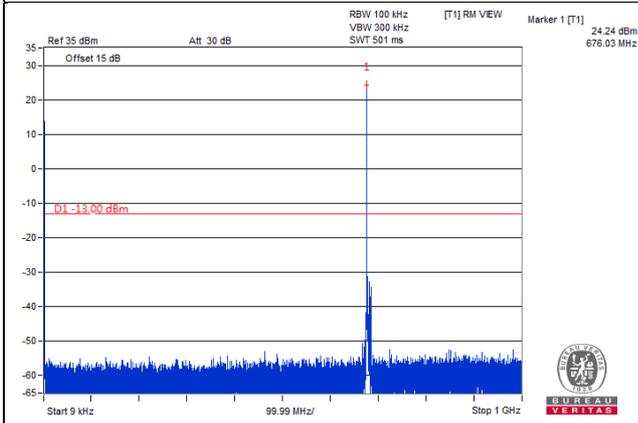
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 7GHz
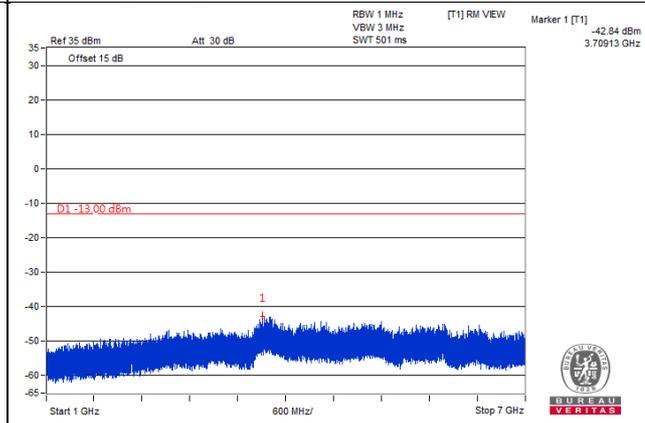
Channel 133422 (693.0MHz)

Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 7GHz
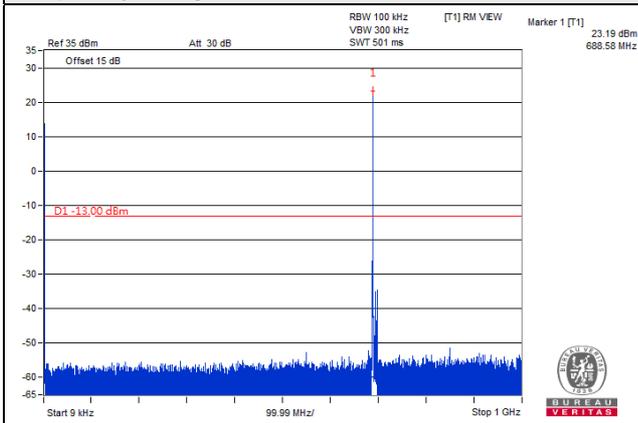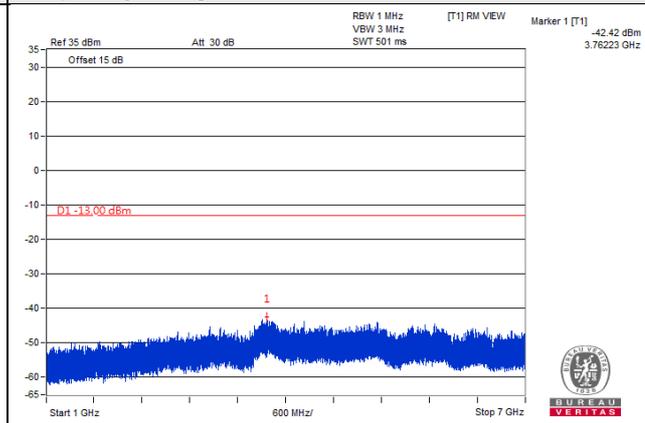
*The 9kHz signal over the limit is from Spectrum.

LTE Band 71, Channel Bandwidth 15MHz

Channel 133197 (670.5MHz)

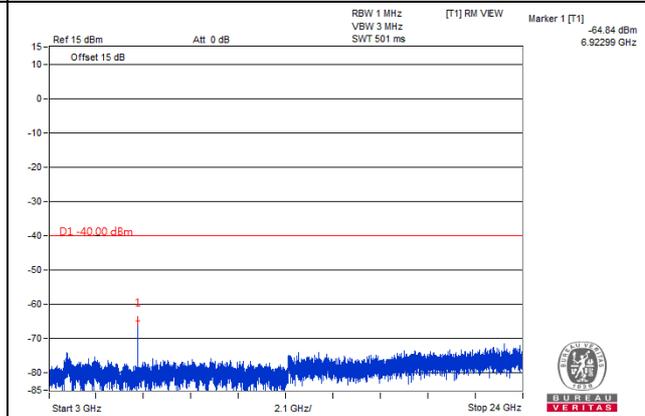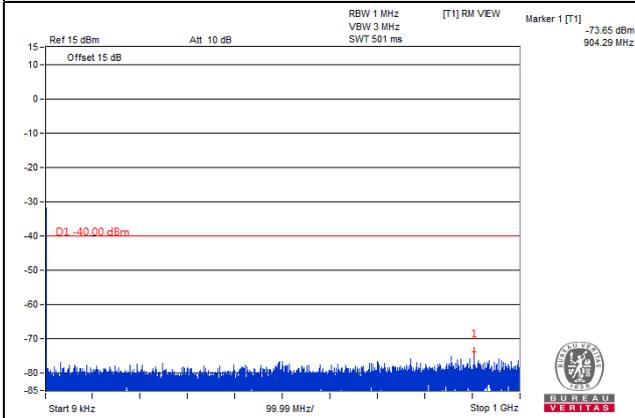| Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 7GHz
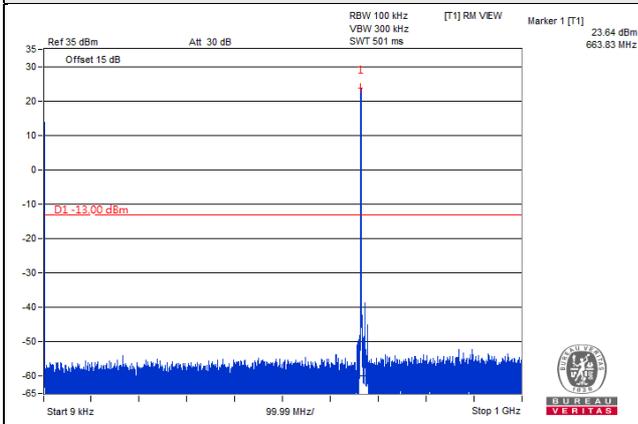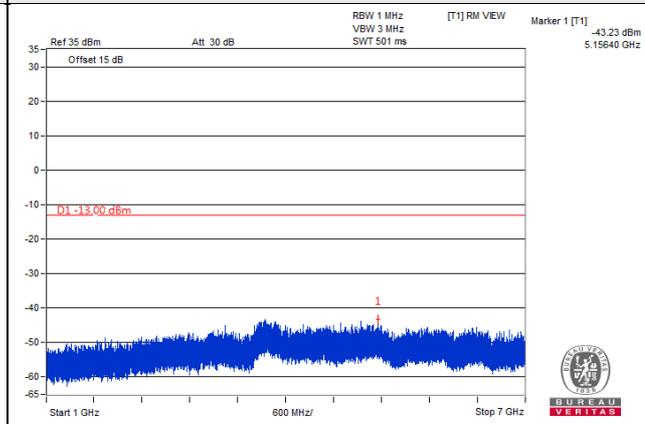
Channel 133297 (680.5MHz)
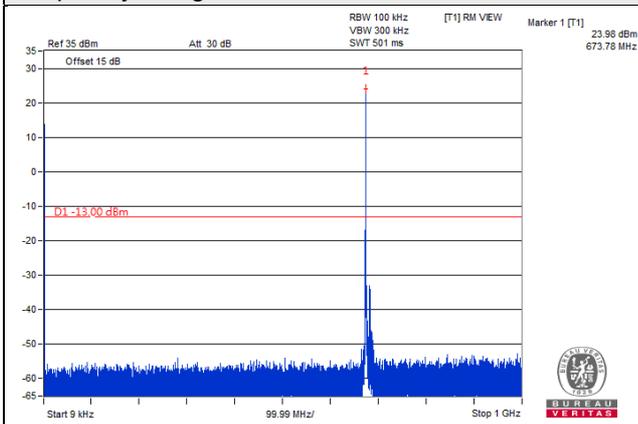
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 7GHz
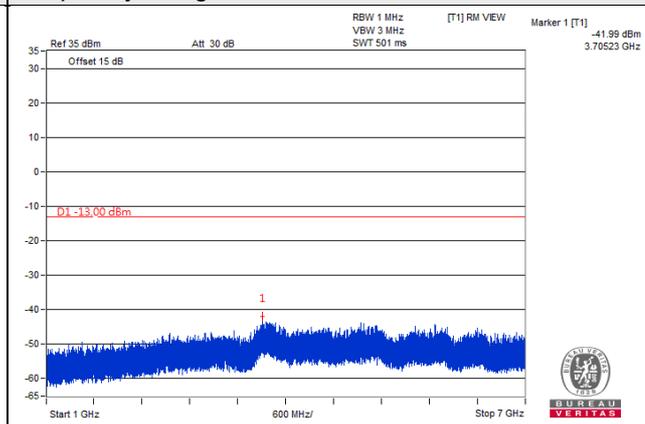
Channel 133397 (690.5MHz)

Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 7GHz
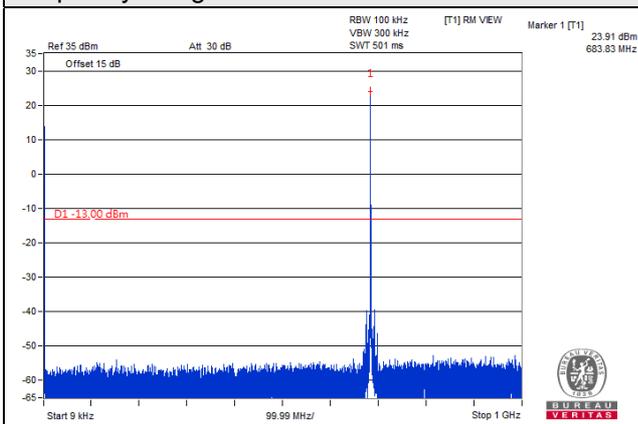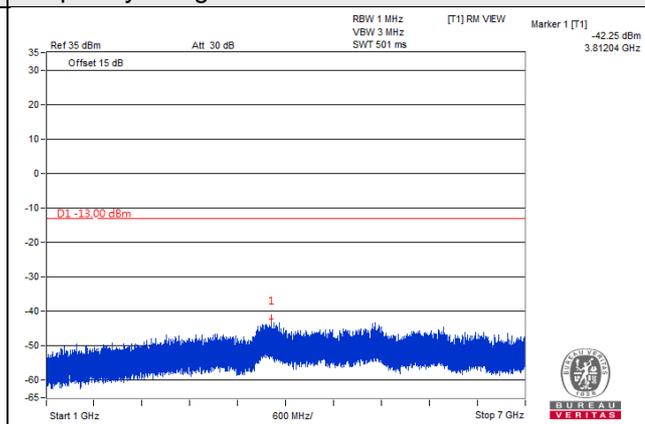
*The 9kHz signal over the limit is from Spectrum.

LTE Band 71, Channel Bandwidth 20MHz

Channel 133222 (673.0MHz)
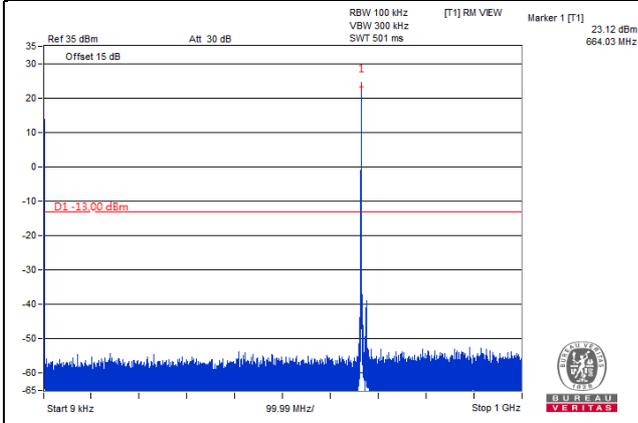
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 7GHz
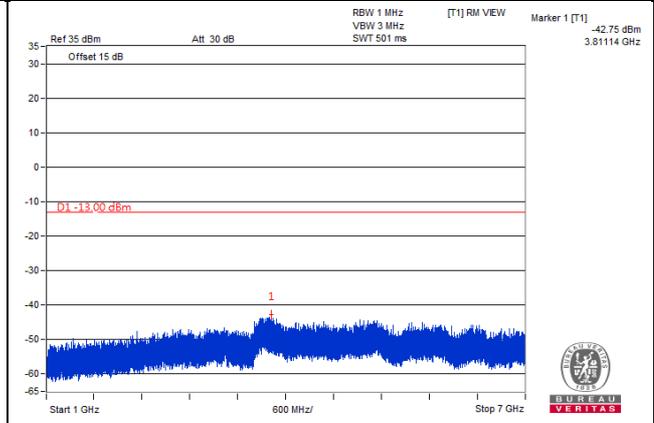
Channel 133297 (680.5MHz)
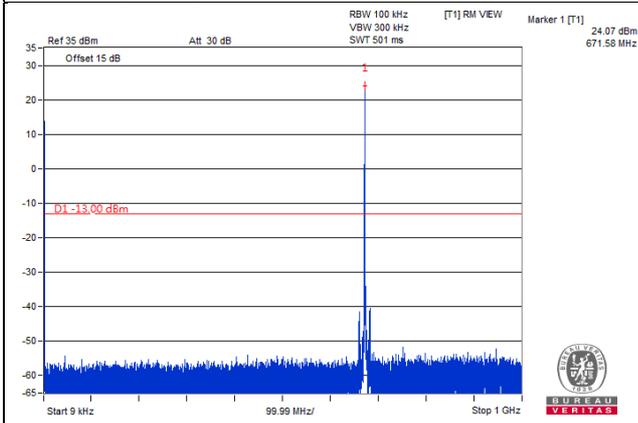
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 7GHz
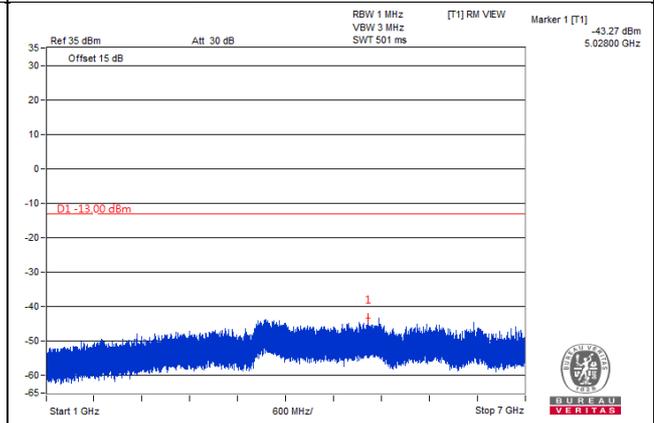
Channel 133372 (688.0MHz)

Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 7GHz
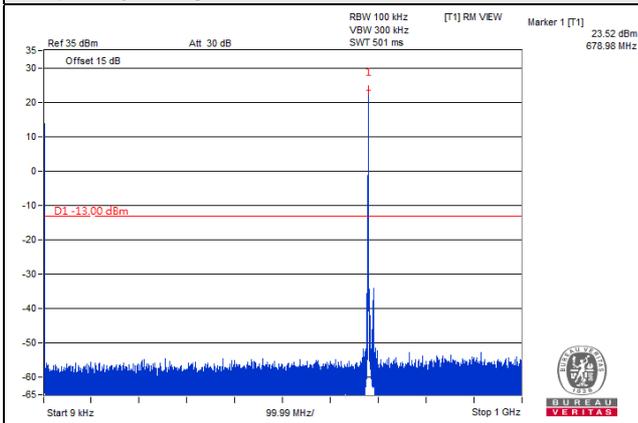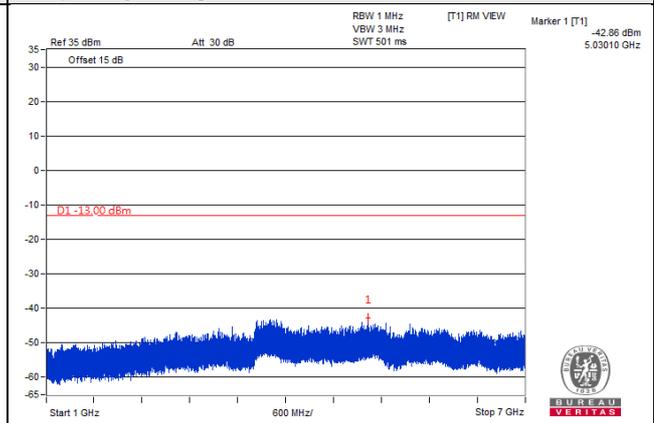
*The 9kHz signal over the limit is from Spectrum.

4.8 Radiated Emission Measurement

4.8.1 Limits of Radiated Emission Measurement

For WCDMA Band 4, LTE Band 4, LTE Band 66:
According to FCC 27.53(h) for operations in the 1695-1710MHz, 1710-1755MHz, 1755-1780 MHz, 1915-1920MHz, 1995-2000 MHz, 2000-2020MHz, 2110-2155MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least 43 + 10 log (P) dB.

For LTE Band 7, LTE Band 38, LTE Band 41:
In the FCC 27.53(m)(4),On any frequency outside a licensee's frequency block, The power of any emission shall be attenuated below the transmitter power (P) by at least 55 + 10 log (P) dB. The emission limit equal to –25dBm.

For LTE Band 12, LTE Band 17, LTE Band 71:
According to FCC 27.53(g) for operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater.

For LTE Band 13:
According to FCC 27.53(c)(2) for on any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least 43 + 10 log (P) dB.

According to FCC 27.53(f) for operations in the 775-788 MHz, emissions in the band 1559-1610MHz shall be limited to -70 dBW/MHz. The limit of emissions is equal to -40 dBm

For LTE Band 30, LTE Band 40:
In the FCC 27.53(a)(4)(iii), the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 70 +10 log (P) dB. The limit of emission is equal to -40 dBm.

4.8.2　Test Procedure

a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m(below or equal 1GHz) and/or 1.5m(above 1GHz) height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.

b. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

c. Perform a field strength measurement and record the worse read value, is the field strength value via a spectrum reading obtained corrected for antenna factor, cable loss and pre-amplifier factor and then mathematically convert the measured field strength level to EIRP/ERP level.

d. Following C63.26 section 5.5 and 5.2.7
   - EIRP (dBm) = E (dBµV/m) + 20log(D) - 104.8; where D is the measurement distance (in the far field region) in m.
   - ERP (dBm) = E (dBµV/m) + 20log(D) - 104.8 - 2.15; where D is the measurement distance (in the far field region) in m.

Note:
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz/3MHz.
2. The emission levels were against the limit of frequency range 9 kHz ~ 30 MHz:
   The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report.

4.8.3　Deviation from Test Standard

No deviation.

4.8.4 Test Setup

For radiated emission 30MHz to 1GHz
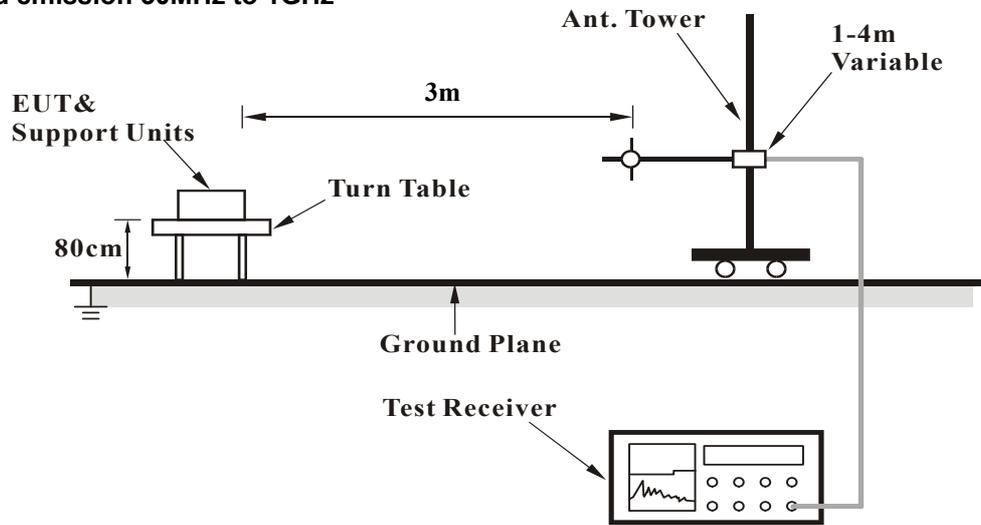
For radiated emission above 1GHz
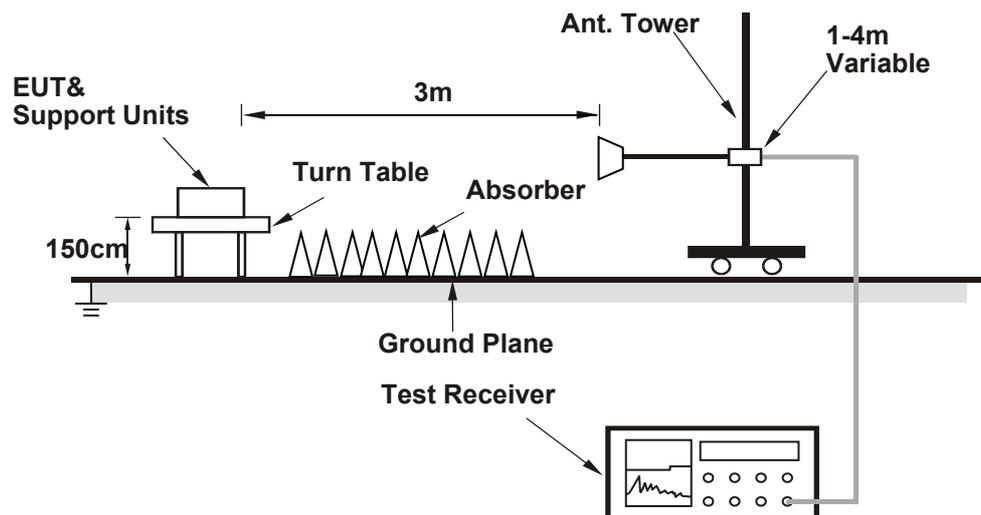
For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.8.5　Test Results

Below 1GHz

WCDMA Band 4

Mode	TX channel 1413 (1732.6MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	61.04	-53.90	-13.00	-40.90	1.50 H	208	51.06	-104.96
2	83.35	-46.37	-13.00	-33.37	1.00 H	17	62.79	-109.16
3	162.89	-49.84	-13.00	-36.84	2.00 H	127	53.75	-103.59
4	249.22	-51.29	-13.00	-38.29	1.00 H	214	52.64	-103.93
5	370.47	-58.54	-13.00	-45.54	1.25 H	119	41.90	-100.44
6	894.27	-45.13	-13.00	-32.13	1.00 H	111	45.36	-90.49

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

Mode	TX channel 1413 (1732.6MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

No	Antenna Polarity & Test Distance : Vertical at 3m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	42.61	-26.77	-13.00	-13.77	2.00 V	94	77.77	-104.54
2	70.74	-41.20	-13.00	-28.20	1.00 V	156	64.96	-106.16
3	115.36	-49.04	-13.00	-36.04	1.25 V	94	57.39	-106.43
4	162.89	-48.18	-13.00	-35.18	2.00 V	94	55.41	-103.59
5	367.56	-56.57	-13.00	-43.57	1.00 V	166	43.95	-100.52
6	587.75	-58.50	-13.00	-45.50	1.50 V	140	37.64	-96.14

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

LTE Band 4, Channel Bandwidth 20MHz

Mode	TX channel 20175 (1732.5MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.00	-43.30	-13.00	-30.30	1.50 H	18	62.28	-105.58
2	77.53	-48.93	-13.00	-35.93	1.00 H	143	59.00	-107.93
3	130.88	-41.80	-13.00	-28.80	1.25 H	143	63.12	-104.92
4	162.89	-43.00	-13.00	-30.00	1.25 H	124	60.59	-103.59
5	256.98	-39.40	-13.00	-26.40	1.00 H	92	64.27	-103.67
6	579.99	-58.30	-13.00	-45.30	2.00 H	152	38.05	-96.35

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

Mode	TX channel 20175 (1732.5MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
				Antenna Polarity & Test Distance : Vertical at 3m				
1	30.00	-30.90	-13.00	-17.90	2.00 V	355	74.68	-105.58
2	45.52	-38.18	-13.00	-25.18	1.00 V	72	66.10	-104.28
3	128.94	-42.40	-13.00	-29.40	1.25 V	72	62.79	-105.19
4	212.36	-48.99	-13.00	-35.99	1.00 V	51	57.20	-106.19
5	258.92	-48.00	-13.00	-35.00	1.50 V	150	55.58	-103.58
6	396.66	-48.30	-13.00	-35.30	1.25 V	72	51.75	-100.05

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

LTE Band 7, Channel Bandwidth 20MHz

Mode	TX channel 21100 (2535.0MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	46.49	-46.69	-25.00	-21.69	1.50 H	280	57.56	-104.25
2	86.26	-47.04	-25.00	-22.04	1.00 H	64	62.53	-109.57
3	178.41	-50.15	-25.00	-25.15	1.25 H	166	54.63	-104.78
4	247.28	-47.10	-25.00	-22.10	1.00 H	280	56.92	-104.02
5	319.06	-54.96	-25.00	-29.96	2.00 H	209	46.52	-101.48
6	387.93	-58.06	-25.00	-33.06	1.00 H	280	42.04	-100.10

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

Mode	TX channel 21100 (2535.0MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Vertical at 3m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.97	-45.54	-25.00	-20.54	1.00 V	154	60.28	-105.82
2	79.47	-54.39	-25.00	-29.39	2.00 V	203	53.96	-108.35
3	179.38	-57.12	-25.00	-32.12	1.00 V	229	47.76	-104.88
4	214.30	-57.03	-25.00	-32.03	1.25 V	229	49.08	-106.11
5	348.16	-59.88	-25.00	-34.88	1.50 V	61	41.18	-101.06
6	555.74	-59.14	-25.00	-34.14	1.25 V	196	37.87	-97.01

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

LTE Band 12, Channel Bandwidth 10MHz

Mode	TX channel 23095 (707.5MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	59.10	-55.75	-13.00	-42.75	1.25 H	58	50.98	-106.73
2	85.29	-52.55	-13.00	-39.55	1.00 H	179	59.03	-111.58
3	127.97	-44.49	-13.00	-31.49	2.00 H	319	62.88	-107.37
4	154.16	-41.76	-13.00	-28.76	1.50 H	129	63.80	-105.56
5	249.22	-44.43	-13.00	-31.43	1.00 H	129	61.65	-106.08
6	519.85	-61.53	-13.00	-48.53	1.25 H	36	38.18	-99.71

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 23095 (707.5MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Vertical at 3m							
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	50.37	-45.83	-13.00	-32.83	1.50 V	338	60.51	-106.34
2	86.26	-51.79	-13.00	-38.79	1.00 V	354	59.93	-111.72
3	162.89	-52.05	-13.00	-39.05	2.00 V	291	53.69	-105.74
4	191.99	-56.32	-13.00	-43.32	1.00 V	41	52.15	-108.47
5	252.13	-56.07	-13.00	-43.07	1.25 V	138	49.92	-105.99
6	349.13	-62.24	-13.00	-49.24	1.00 V	126	40.95	-103.19

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

LTE Band 13, Channel Bandwidth 10MHz

Mode	TX channel 23230 (782.0MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	33.88	-54.98	-13.00	-41.98	1.50 H	320	52.52	-107.50
2	60.07	-49.75	-13.00	-36.75	1.00 H	87	57.02	-106.77
3	88.20	-53.33	-13.00	-40.33	1.25 H	129	58.44	-111.77
4	163.86	-51.48	-13.00	-38.48	1.00 H	94	54.23	-105.71
5	257.95	-51.93	-13.00	-38.93	1.50 H	65	53.85	-105.78
6	628.49	-59.88	-13.00	-46.88	2.00 H	5	37.43	-97.31

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 23230 (782.0MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

				Antenna Polarity & Test Distance : Vertical at 3m				
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.00	-42.93	-13.00	-29.93	1.00 V	336	64.80	-107.73
2	52.31	-49.23	-13.00	-36.23	2.00 V	217	57.12	-106.35
3	117.30	-53.89	-13.00	-40.89	1.25 V	277	54.49	-108.38
4	174.53	-59.60	-13.00	-46.60	1.50 V	232	46.86	-106.46
5	244.37	-57.53	-13.00	-44.53	1.00 V	188	48.75	-106.28
6	369.50	-64.26	-13.00	-51.26	1.25 V	11	38.36	-102.62

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

LTE Band 17, Channel Bandwidth 10MHz

Mode	TX channel 23790 (710.0MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.00	-54.26	-13.00	-41.26	1.50 H	33	53.47	-107.73
2	58.13	-54.15	-13.00	-41.15	1.00 H	180	52.56	-106.71
3	89.17	-54.50	-13.00	-41.50	1.25 H	253	57.22	-111.72
4	127.97	-56.02	-13.00	-43.02	2.00 H	337	51.35	-107.37
5	169.68	-53.37	-13.00	-40.37	1.00 H	146	52.69	-106.06
6	256.01	-53.63	-13.00	-40.63	1.50 H	41	52.23	-105.86

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 23790 (710.0MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Vertical at 3m							
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	38.73	-41.47	-13.00	-28.47	1.00 V	262	65.54	-107.01
2	74.62	-43.01	-13.00	-30.01	1.50 V	262	66.30	-109.31
3	127.97	-46.50	-13.00	-33.50	1.00 V	214	60.87	-107.37
4	232.73	-48.71	-13.00	-35.71	1.25 V	214	58.74	-107.45
5	384.05	-63.43	-13.00	-50.43	1.00 V	214	38.88	-102.31
6	569.32	-61.16	-13.00	-48.16	1.50 V	2	37.69	-98.85

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

LTE Band 30, Channel Bandwidth 5MHz

Mode	TX channel 27710 (2310.0MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

				Antenna Polarity & Test Distance : Horizontal at 3 m			
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.97	-52.44	-40.00	-12.44	1.50 H	299	53.38	-105.82
2	69.77	-51.43	-40.00	-11.43	1.00 H	157	54.57	-106.00
3	164.83	-46.75	-40.00	-6.75	1.25 H	260	56.92	-103.67
4	250.19	-51.56	-40.00	-11.56	1.00 H	48	52.35	-103.91
5	845.77	-43.28	-40.00	-3.28	2.00 H	16	48.13	-91.41
6	887.48	-45.83	-40.00	-5.83	1.25 H	18	44.88	-90.71

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

Mode	TX channel 27710 (2310.0MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Vertical at 3m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	34.85	-43.39	-40.00	-3.39	1.50 V	120	62.09	-105.48
2	130.88	-50.03	-40.00	-10.03	1.00 V	120	54.89	-104.92
3	171.62	-53.75	-40.00	-13.75	1.25 V	285	50.26	-104.01
4	299.66	-54.85	-40.00	-14.85	1.00 V	120	47.17	-102.02
5	367.56	-55.85	-40.00	-15.85	2.00 V	156	44.67	-100.52
6	575.14	-57.35	-40.00	-17.35	1.00 V	283	39.15	-96.50

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

LTE Band 38, Channel Bandwidth 20MHz

Mode	TX channel 37850 (2580.0MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

			Antenna Polarity & Test Distance : Horizontal at 3 m				
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.97	-52.46	-25.00	-27.46	2.00 H	156	53.36	-105.82
2	86.26	-51.43	-25.00	-26.43	1.00 H	172	58.14	-109.57
3	162.89	-47.75	-25.00	-22.75	1.25 H	253	55.84	-103.59
4	252.13	-51.51	-25.00	-26.51	1.50 H	39	52.33	-103.84
5	437.40	-58.44	-25.00	-33.44	1.00 H	126	40.55	-98.99
6	845.77	-43.34	-25.00	-18.34	2.00 H	191	48.07	-91.41

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

Mode	TX channel 37850 (2580.0MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Vertical at 3m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.00	-45.46	-25.00	-20.46	1.50 V	169	60.12	-105.58
2	45.52	-52.40	-25.00	-27.40	2.00 V	91	51.88	-104.28
3	144.46	-53.90	-25.00	-28.90	1.00 V	112	49.93	-103.83
4	173.56	-52.57	-25.00	-27.57	1.25 V	231	51.67	-104.24
5	365.62	-57.05	-25.00	-32.05	1.00 V	169	43.53	-100.58
6	844.80	-38.54	-25.00	-13.54	1.00 V	340	52.89	-91.43

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

LTE Band 40 (2305MHz ~ 2315MHz), Channel Bandwidth 10MHz

Mode	TX channel 38750 (2310.0MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	48.43	-54.27	-40.00	-14.27	1.25 H	264	49.90	-104.17
2	89.17	-50.57	-40.00	-10.57	1.00 H	274	59.00	-109.57
3	159.98	-46.62	-40.00	-6.62	1.50 H	80	56.89	-103.51
4	252.13	-51.35	-40.00	-11.35	2.00 H	60	52.49	-103.84
5	350.10	-58.11	-40.00	-18.11	1.00 H	302	42.91	-101.02
6	426.73	-60.71	-40.00	-20.71	1.25 H	138	38.61	-99.32

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

Mode	TX channel 38750 (2310.0MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Vertical at 3m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.00	-46.28	-40.00	-6.28	2.00 V	194	59.30	-105.58
2	69.77	-50.61	-40.00	-10.61	1.00 V	12	55.39	-106.00
3	144.46	-53.22	-40.00	-13.22	1.50 V	123	50.61	-103.83
4	281.23	-58.39	-40.00	-18.39	1.00 V	158	44.09	-102.48
5	350.10	-54.60	-40.00	-14.60	1.25 V	158	46.42	-101.02
6	453.89	-56.60	-40.00	-16.60	1.00 V	148	42.01	-98.61

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

LTE Band 40 (2350MHz ~ 2360MHz), Channel Bandwidth 10MHz

Mode	TX channel 39200 (2355.0MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.00	-57.49	-40.00	-17.49	1.50 H	102	48.09	-105.58
2	84.32	-48.35	-40.00	-8.35	1.00 H	144	60.94	-109.29
3	144.46	-48.99	-40.00	-8.99	2.00 H	160	54.84	-103.83
4	166.77	-47.03	-40.00	-7.03	1.25 H	158	56.64	-103.67
5	252.13	-51.30	-40.00	-11.30	1.00 H	160	52.54	-103.84
6	354.95	-59.27	-40.00	-19.27	1.50 H	294	41.60	-100.87

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

Mode	TX channel 39200 (2355.0MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Vertical at 3m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	31.94	-47.26	-40.00	-7.26	1.50 V	142	58.33	-105.59
2	56.19	-48.87	-40.00	-8.87	2.00 V	71	55.47	-104.34
3	160.95	-51.46	-40.00	-11.46	1.00 V	190	52.09	-103.55
4	362.71	-56.19	-40.00	-16.19	2.00 V	158	44.49	-100.68
5	448.07	-55.81	-40.00	-15.81	1.25 V	154	43.00	-98.81
6	580.96	-57.60	-40.00	-17.60	1.00 V	188	38.73	-96.33

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

LTE Band 41, Channel Bandwidth 20MHz

Mode	TX channel 41490 (2680.0MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.97	-56.69	-25.00	-31.69	1.25 H	32	49.13	-105.82
2	86.26	-46.07	-25.00	-21.07	1.00 H	49	63.50	-109.57
3	153.19	-47.22	-25.00	-22.22	2.00 H	255	56.35	-103.57
4	251.16	-50.95	-25.00	-25.95	1.50 H	24	52.93	-103.88
5	415.09	-58.08	-25.00	-33.08	1.00 H	121	41.67	-99.75
6	543.13	-60.07	-25.00	-35.07	1.25 H	109	37.13	-97.20

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

Mode	TX channel 41490 (2680.0MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

				Antenna Polarity & Test Distance : Vertical at 3m			
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	33.88	-48.57	-25.00	-23.57	1.00 V	328	56.78	-105.35
2	53.28	-54.18	-25.00	-29.18	1.25 V	112	50.05	-104.23
3	145.43	-50.70	-25.00	-25.70	1.00 V	157	53.08	-103.78
4	211.39	-57.32	-25.00	-32.32	2.00 V	352	48.91	-106.23
5	276.38	-57.64	-25.00	-32.64	1.25 V	154	44.98	-102.62
6	344.28	-54.10	-25.00	-29.10	1.00 V	154	47.04	-101.14

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

LTE Band 66, Channel Bandwidth 1.4MHz

Mode	TX channel 132322 (1745.0MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	51.34	-53.94	-13.00	-40.94	2.00 H	352	50.25	-104.19
2	87.23	-50.17	-13.00	-37.17	1.00 H	100	59.43	-109.60
3	153.19	-48.41	-13.00	-35.41	1.50 H	234	55.16	-103.57
4	251.16	-51.72	-13.00	-38.72	1.00 H	19	52.16	-103.88
5	426.73	-54.38	-13.00	-41.38	1.25 H	175	44.94	-99.32
6	601.33	-57.74	-13.00	-44.74	1.00 H	135	38.03	-95.77

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) − Pre-Amplifier Factor(dB) + 20log(D) − 104.8
3. Margin value = EIRP − Limit value
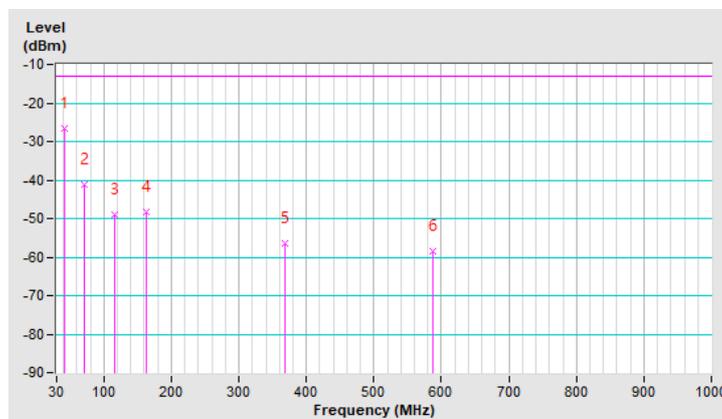4. The other EIRP levels were very low against the limit.

Mode	TX channel 132322 (1745.0MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Vertical at 3m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	59.10	-32.59	-13.00	-19.59	1.25 V	127	71.99	-104.58
2	144.46	-43.17	-13.00	-30.17	1.00 V	314	60.66	-103.83
3	233.70	-57.77	-13.00	-44.77	2.00 V	127	47.37	-105.14
4	289.96	-55.79	-13.00	-42.79	1.00 V	126	46.49	-102.28
5	367.56	-56.63	-13.00	-43.63	1.50 V	154	43.89	-100.52
6	439.34	-56.66	-13.00	-43.66	1.00 V	5	42.28	-98.94

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

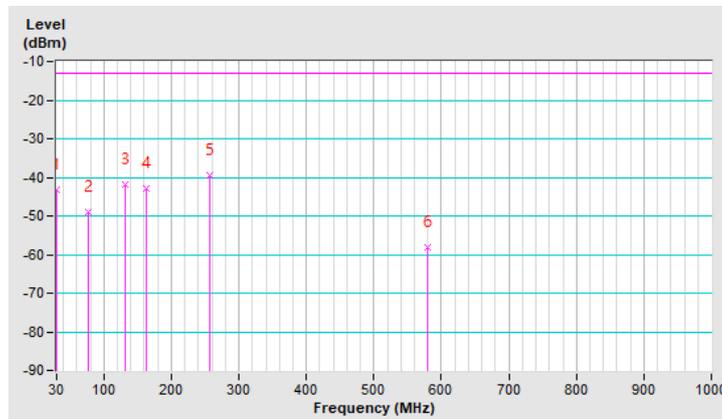LTE Band 71, Channel Bandwidth 20MHz

Mode	TX channel 133372 (688.0MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

				Antenna Polarity & Test Distance : Horizontal at 3 m				
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	49.40	-55.13	-13.00	-42.13	1.25 H	299	51.19	-106.32
2	90.14	-52.66	-13.00	-39.66	1.00 H	95	59.11	-111.77
3	160.95	-48.33	-13.00	-35.33	2.00 H	75	57.37	-105.70
4	277.35	-50.61	-13.00	-37.61	1.00 H	120	54.13	-104.74
5	333.61	-59.30	-13.00	-46.30	1.50 H	208	44.08	-103.38
6	579.99	-60.49	-13.00	-47.49	1.00 H	222	38.01	-98.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
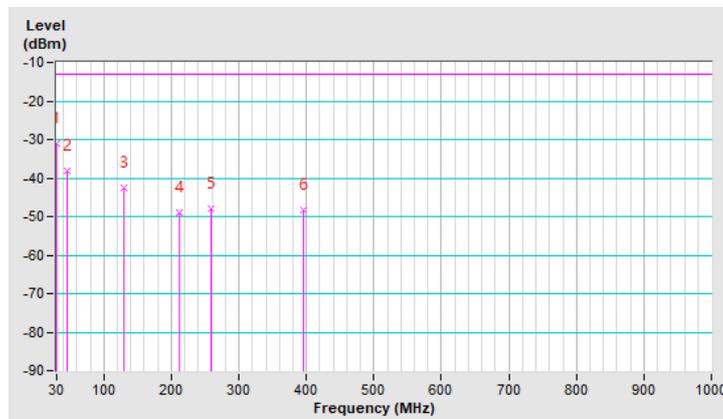4. The other ERP levels were very low against the limit.

Mode	TX channel 133372 (688.0MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Vertical at 3m							
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.00	-50.48	-13.00	-37.48	1.25 V	309	57.25	-107.73
2	54.25	-48.77	-13.00	-35.77	1.00 V	64	57.78	-106.55
3	71.71	-57.07	-13.00	-44.07	1.50 V	94	51.54	-108.61
4	161.92	-51.35	-13.00	-38.35	1.00 V	165	54.26	-105.61
5	347.19	-57.32	-13.00	-44.32	2.00 V	163	45.92	-103.24
6	456.80	-61.43	-13.00	-48.43	1.25 V	131	39.25	-100.68

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
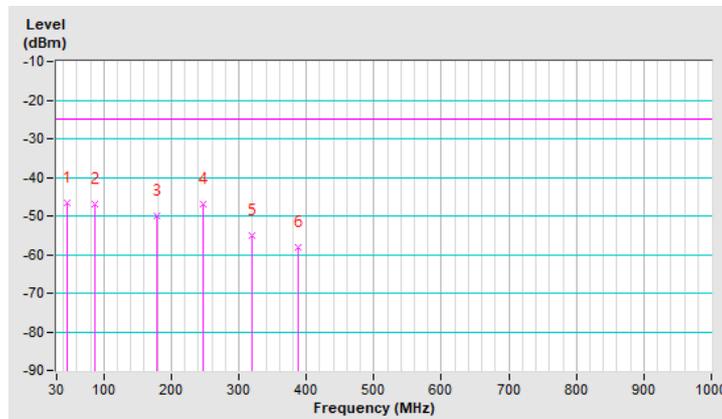4. The other ERP levels were very low against the limit.

Above 1GHz
WCDMA Band 4

Mode	TX channel 1312 (1712.4MHz)	Frequency Range	1GHz ~ 10GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

No	Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3424.80	-55.58	-13.00	-42.58	2.58 H	128	41.48	-97.06

| | | | Antenna Polarity & Test Distance : Vertical at 3m | | | | | |
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3424.80	-54.22	-13.00	-41.22	1.45 V	159	42.84	-97.06

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
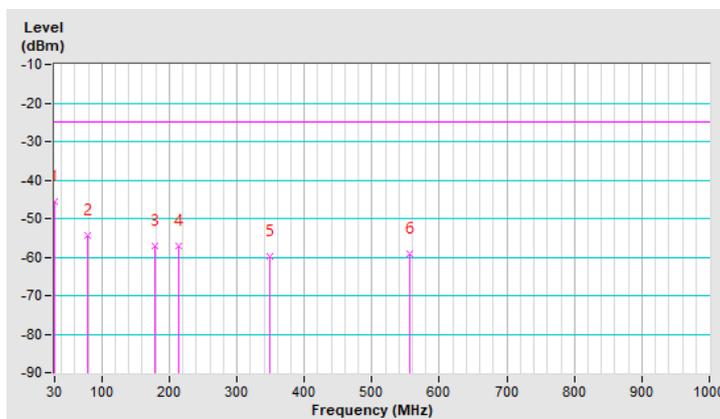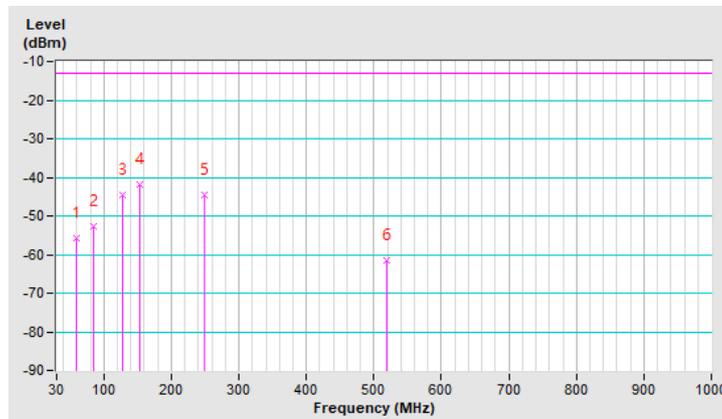4. The other EIRP levels were very low against the limit.

Mode	TX channel 1413 (1732.6MHz)	Frequency Range	1GHz ~ 10GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

| | | | Antenna Polarity & Test Distance : Horizontal at 3 m | | | | | |
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3465.20	-54.46	-13.00	-41.46	2.57 H	135	42.38	-96.84

| | | | Antenna Polarity & Test Distance : Vertical at 3m | | | | | |
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3465.20	-53.35	-13.00	-40.35	1.49 V	158	43.49	-96.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
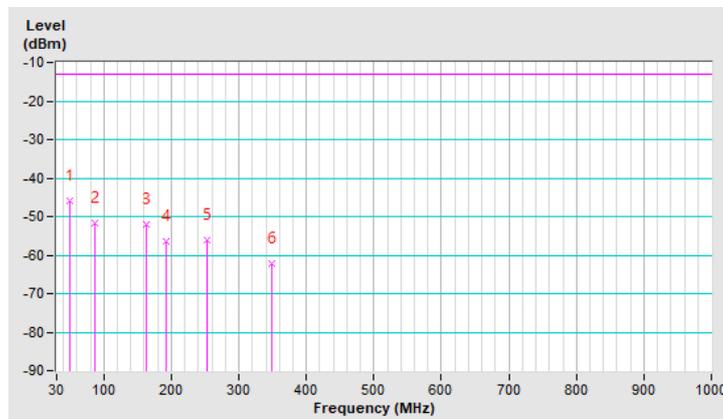4. The other EIRP levels were very low against the limit.

Mode	TX channel 1513 (1752.6MHz)	Frequency Range	1GHz ~ 10GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3505.20	-54.57	-13.00	-41.57	2.54 H	132	42.04	-96.61
	Antenna Polarity & Test Distance : Vertical at 3m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3505.20	-53.42	-13.00	-40.42	1.52 V	162	43.19	-96.61

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
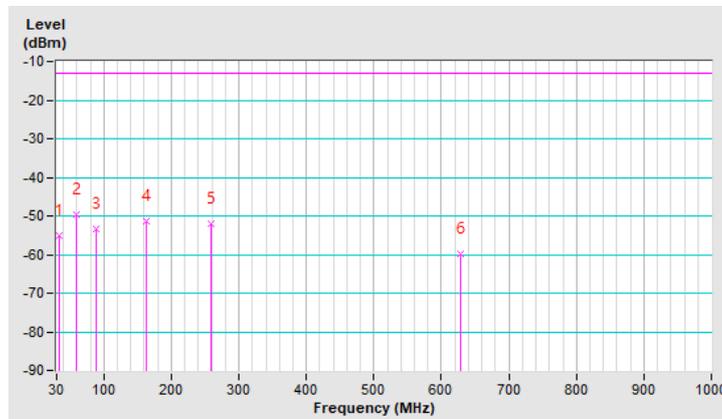4. The other EIRP levels were very low against the limit.

LTE Band 4, Channel Bandwidth 1.4MHz

Mode	TX channel 19957 (1710.7MHz)	Frequency Range	1GHz ~ 18GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Horizontal at 3 m						
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3421.40	-55.26	-13.00	-42.26	1.63 H	68	41.81	-97.07

	Antenna Polarity & Test Distance : Vertical at 3m						
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3421.40	-53.87	-13.00	-40.87	1.95 V	32	43.20	-97.07

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

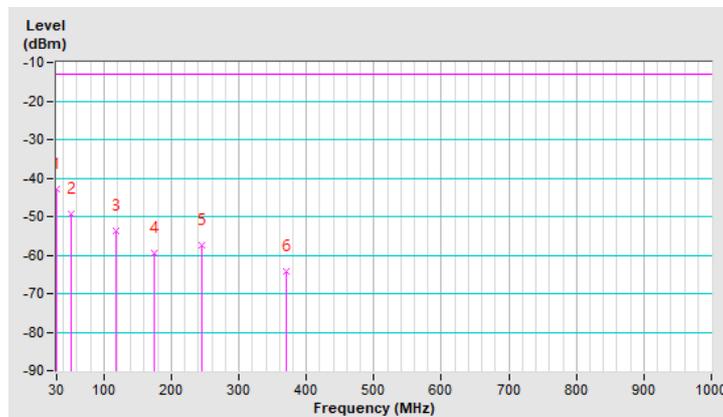| Mode	TX channel 20175 (1732.5MHz)	Frequency Range	1GHz ~ 18GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Horizontal at 3 m						
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3465.00	-54.44	-13.00	-41.44	1.59 H	63	42.40	-96.84

	Antenna Polarity & Test Distance : Vertical at 3m						
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3465.00	-53.96	-13.00	-40.96	1.99 V	30	42.88	-96.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
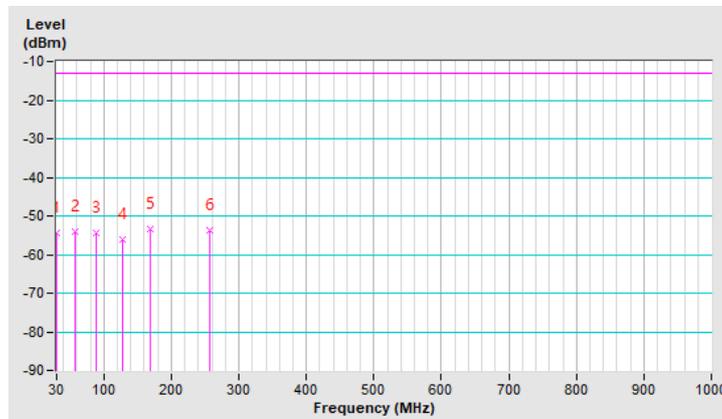4. The other EIRP levels were very low against the limit.

Mode	TX channel 20393 (1754.3MHz)	Frequency Range	1GHz ~ 18GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3508.60	-54.58	-13.00	-41.58	1.63 H	66	42.00	-96.58
	Antenna Polarity & Test Distance : Vertical at 3m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3508.60	-53.59	-13.00	-40.59	2.00 V	29	42.99	-96.58

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

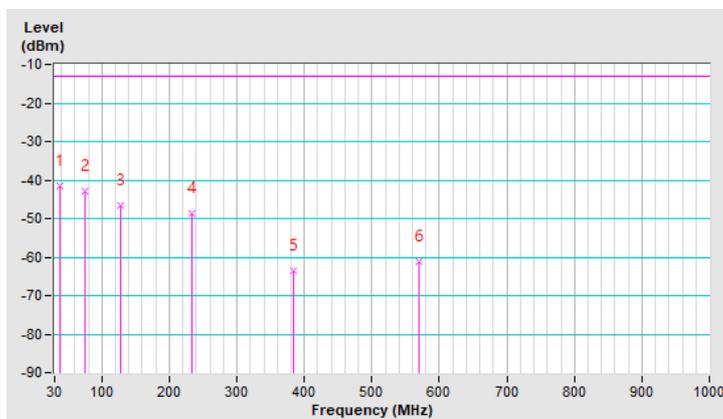LTE Band 4, Channel Bandwidth 5MHz

Mode	TX channel 19975 (1712.5MHz)	Frequency Range	1GHz ~ 18GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

No	Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
Antenna Polarity & Test Distance : Horizontal at 3 m
1	3425.00	-54.82	-13.00	-41.82	1.68 H	64	42.23	-97.05
Antenna Polarity & Test Distance : Vertical at 3m
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3425.00	-54.05	-13.00	-41.05	1.95 V	29	43.00	-97.05

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
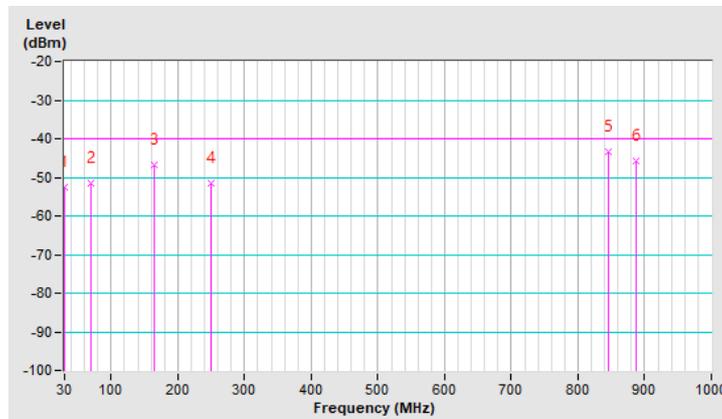4. The other EIRP levels were very low against the limit.

Mode	TX channel 20175 (1732.5MHz)	Frequency Range	1GHz ~ 18GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
Antenna Polarity & Test Distance : Horizontal at 3 m
1	3465.00	-54.50	-13.00	-41.50	1.59 H	67	42.34	-96.84
Antenna Polarity & Test Distance : Vertical at 3m
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3465.00	-54.41	-13.00	-41.41	2.02 V	29	42.43	-96.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

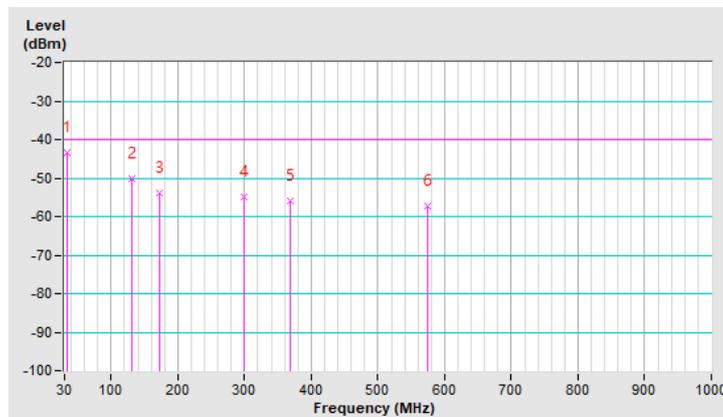| Mode	TX channel 20375 (1752.5MHz)	Frequency Range	1GHz ~ 18GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

				Antenna Polarity & Test Distance : Horizontal at 3 m				
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3505.00	-54.69	-13.00	-41.69	1.60 H	63	41.92	-96.61
				Antenna Polarity & Test Distance : Vertical at 3m				
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3505.00	-53.68	-13.00	-40.68	2.02 V	27	42.93	-96.61

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
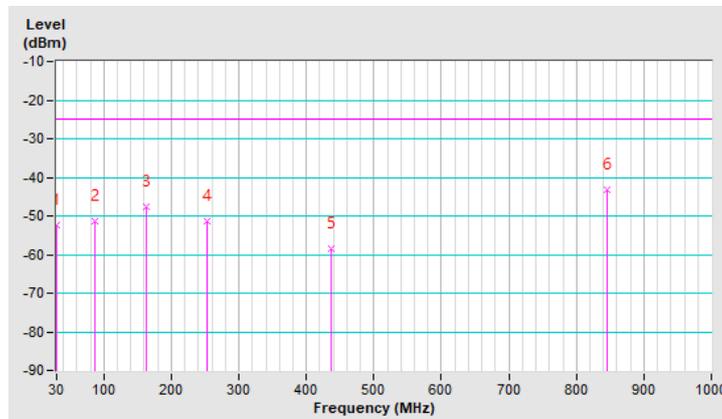4. The other EIRP levels were very low against the limit.

LTE Band 4, Channel Bandwidth 20MHz

Mode	TX channel 20050 (1720.0MHz)	Frequency Range	1GHz ~ 18GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

			Antenna Polarity & Test Distance : Horizontal at 3 m				
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3440.00	-55.17	-13.00	-42.17	1.59 H	63	41.82	-96.99

			Antenna Polarity & Test Distance : Vertical at 3m				
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3440.00	-53.85	-13.00	-40.85	1.98 V	30	43.14	-96.99

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

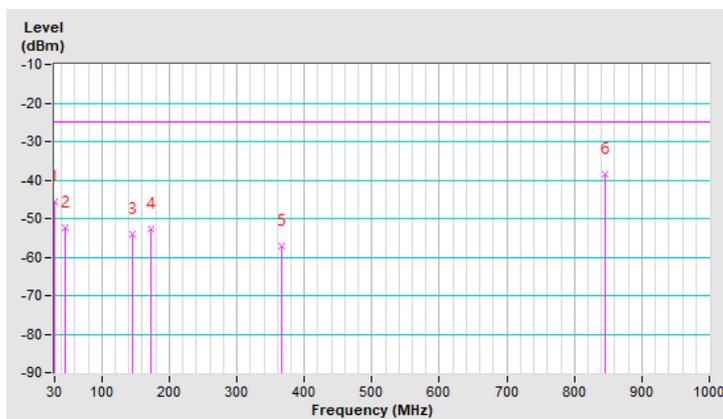| Mode	TX channel 20175 (1732.5MHz)	Frequency Range	1GHz ~ 18GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

			Antenna Polarity & Test Distance : Horizontal at 3 m				
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3465.00	-54.06	-13.00	-41.06	1.65 H	63	42.78	-96.84

			Antenna Polarity & Test Distance : Vertical at 3m				
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3465.00	-53.48	-13.00	-40.48	1.98 V	33	43.36	-96.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
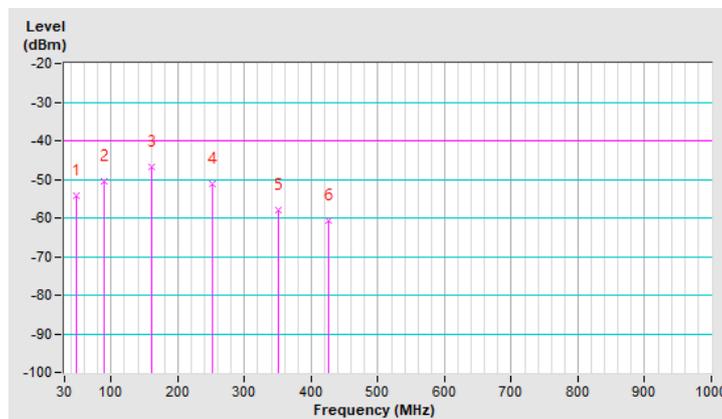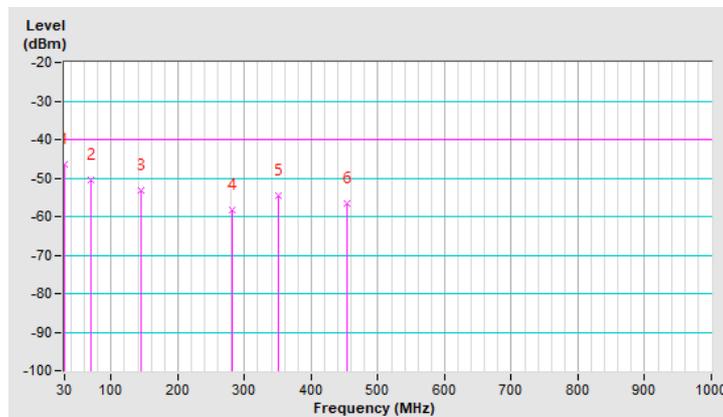4. The other EIRP levels were very low against the limit.

Mode	TX channel 20300 (1745.0MHz)	Frequency Range	1GHz ~ 18GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3490.00	-54.08	-13.00	-41.08	1.66 H	69	42.61	-96.69
	Antenna Polarity & Test Distance : Vertical at 3m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3490.00	-53.50	-13.00	-40.50	1.93 V	29	43.19	-96.69

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
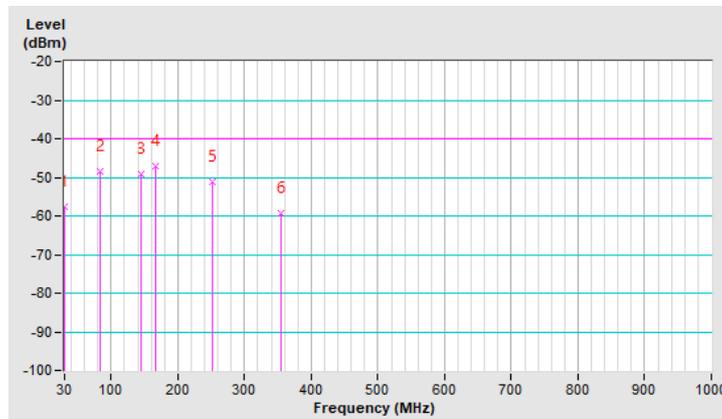4. The other EIRP levels were very low against the limit.

LTE Band 7, Channel Bandwidth 5MHz

Mode	TX channel 20775 (2502.5MHz)	Frequency Range	1GHz ~ 26GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Horizontal at 3 m						
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5005.00	-51.39	-25.00	-26.39	2.87 H	98	41.95	-93.34

	Antenna Polarity & Test Distance : Vertical at 3m						
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5005.00	-50.88	-25.00	-25.88	3.63 V	86	42.46	-93.34

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

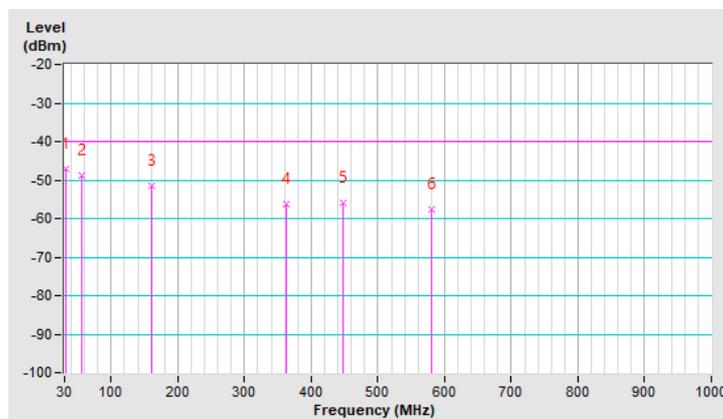| Mode	TX channel 21100 (2535.0MHz)	Frequency Range	1GHz ~ 26GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Horizontal at 3 m						
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5070.00	-51.37	-25.00	-26.37	2.87 H	99	41.65	-93.02

	Antenna Polarity & Test Distance : Vertical at 3m						
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5070.00	-50.56	-25.00	-25.56	3.59 V	85	42.46	-93.02

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
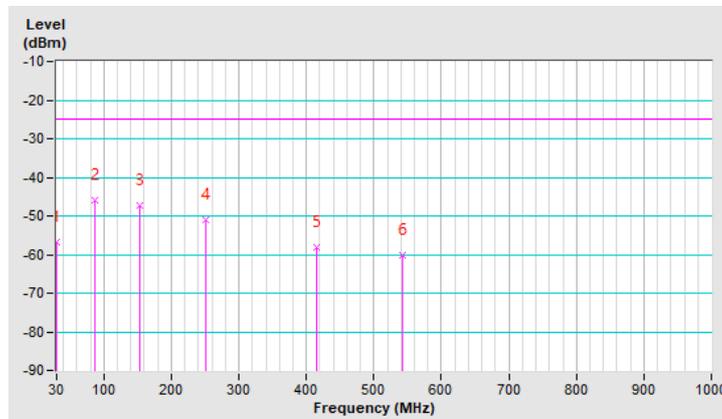4. The other EIRP levels were very low against the limit.

Mode	TX channel 21425 (2567.5MHz)	Frequency Range	1GHz ~ 26GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5135.00	-51.39	-25.00	-26.39	2.81 H	99	41.73	-93.12
	Antenna Polarity & Test Distance : Vertical at 3m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5135.00	-50.44	-25.00	-25.44	3.62 V	86	42.68	-93.12

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
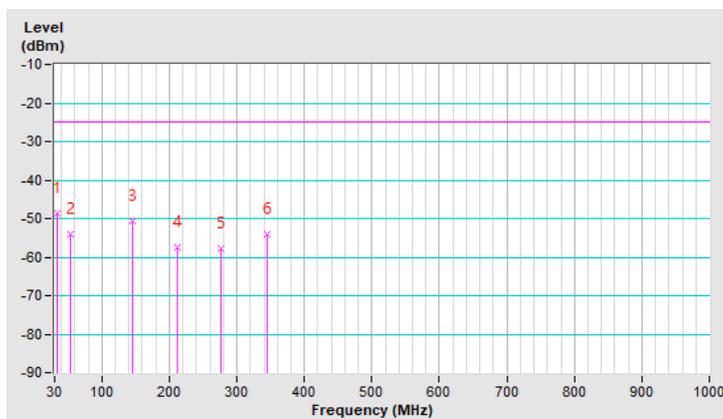4. The other EIRP levels were very low against the limit.

LTE Band 7, Channel Bandwidth 20MHz

Mode	TX channel 20850 (2510.0MHz)	Frequency Range	1GHz ~ 26GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
Antenna Polarity & Test Distance : Horizontal at 3 m								
1	5020.00	-51.12	-25.00	-26.12	2.81 H	96	42.11	-93.23
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5020.00	-50.04	-25.00	-25.04	3.65 V	80	43.19	-93.23

Remarks:
1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

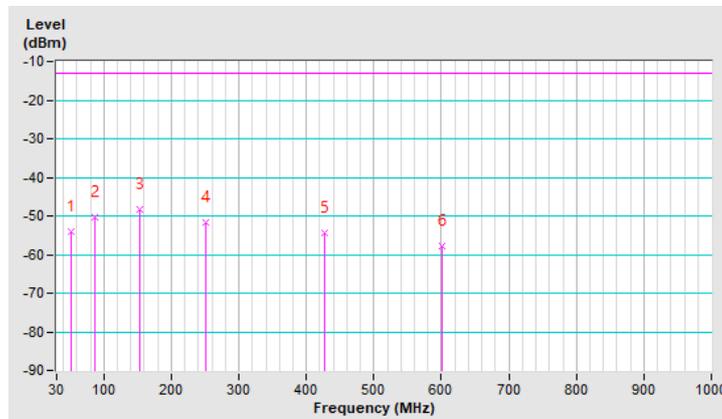| Mode	TX channel 21100 (2535.0MHz)	Frequency Range	1GHz ~ 26GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
Antenna Polarity & Test Distance : Horizontal at 3 m								
1	5070.00	-50.46	-25.00	-25.46	2.81 H	98	42.56	-93.02
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5070.00	-49.63	-25.00	-24.63	3.57 V	87	43.39	-93.02

Remarks:
1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
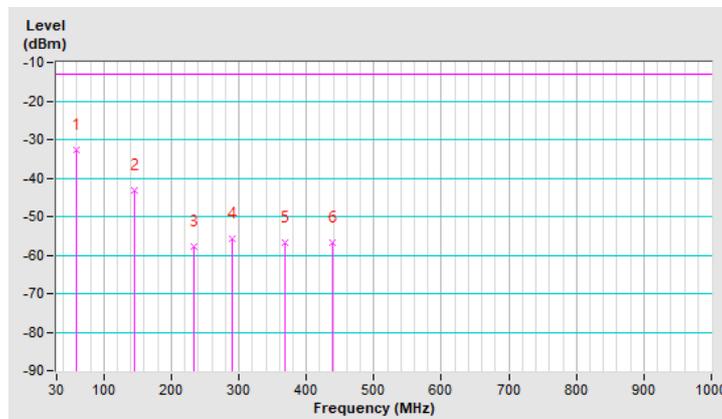4. The other EIRP levels were very low against the limit.

Mode	TX channel 21350 (2560.0MHz)	Frequency Range	1GHz ~ 26GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

			Antenna Polarity & Test Distance : Horizontal at 3 m					
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5120.00	-51.13	-25.00	-26.13	2.81 H	96	41.95	-93.08
			Antenna Polarity & Test Distance : Vertical at 3m					
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5120.00	-50.39	-25.00	-25.39	3.58 V	84	42.69	-93.08

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
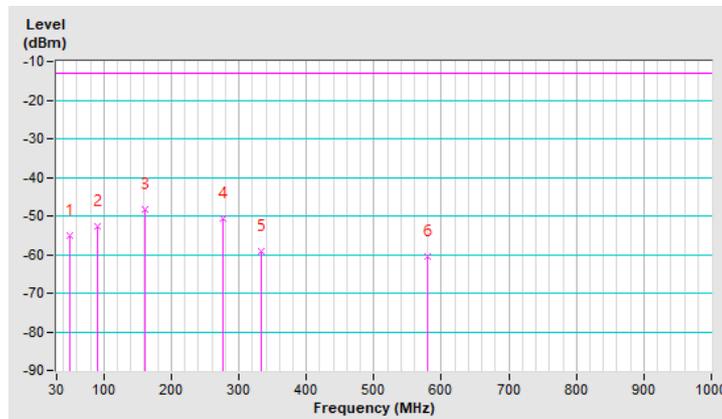4. The other EIRP levels were very low against the limit.

LTE Band 12, Channel Bandwidth 1.4MHz

Mode	TX channel 23017 (699.7MHz)	Frequency Range	1GHz ~ 8GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

No	Antenna Polarity & Test Distance : Horizontal at 3 m
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1399.40	-56.75	-13.00	-43.75	1.52 H	130	45.86	-102.61

No	Antenna Polarity & Test Distance : Vertical at 3m
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1399.40	-54.04	-13.00	-41.04	1.39 V	220	48.57	-102.61

Remarks:
1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

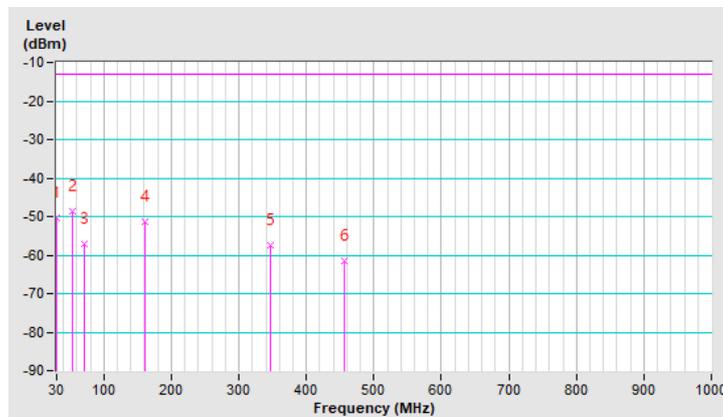| Mode	TX channel 23095 (707.5MHz)	Frequency Range	1GHz ~ 8GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

No	Antenna Polarity & Test Distance : Horizontal at 3 m
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1415.00	-56.81	-13.00	-43.81	1.47 H	130	45.87	-102.68

No	Antenna Polarity & Test Distance : Vertical at 3m
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1415.00	-54.92	-13.00	-41.92	1.44 V	222	47.76	-102.68

Remarks:
1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 23173 (715.3MHz)	Frequency Range	1GHz ~ 8GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1430.60	-56.28	-13.00	-43.28	1.49 H	131	46.48	-102.76
	Antenna Polarity & Test Distance : Vertical at 3m							
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1430.60	-54.22	-13.00	-41.22	1.35 V	131	48.54	-102.76

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

LTE Band 12, Channel Bandwidth 5MHz

Mode	TX channel 23035 (701.5MHz)	Frequency Range	1GHz ~ 8GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1403.00	-56.60	-13.00	-43.60	1.54 H	136	46.03	-102.63
	Antenna Polarity & Test Distance : Vertical at 3m							
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1403.00	-54.72	-13.00	-41.72	1.35 V	219	47.91	-102.63

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 23095 (707.5MHz)	Frequency Range	1GHz ~ 8GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1415.00	-56.13	-13.00	-43.13	1.50 H	132	46.55	-102.68
	Antenna Polarity & Test Distance : Vertical at 3m							
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1415.00	-54.83	-13.00	-41.83	1.39 V	220	47.85	-102.68

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 23155 (713.5MHz)	Frequency Range	1GHz ~ 8GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

No	Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
Antenna Polarity & Test Distance : Horizontal at 3 m
1	1427.00	-56.50	-13.00	-43.50	1.54 H	130	46.24	-102.74
Antenna Polarity & Test Distance : Vertical at 3m
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1427.00	-54.78	-13.00	-41.78	1.44 V	220	47.96	-102.74

Remarks:
1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

LTE Band 12, Channel Bandwidth 10MHz

Mode	TX channel 23060 (704.0MHz)	Frequency Range	1GHz ~ 8GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
				Antenna Polarity & Test Distance : Horizontal at 3 m				
1	1408.00	-56.72	-13.00	-43.72	1.46 H	131	45.92	-102.64
				Antenna Polarity & Test Distance : Vertical at 3m				
1	1408.00	-54.17	-13.00	-41.17	1.43 V	222	48.47	-102.64

Remarks:
1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 23095 (707.5MHz)	Frequency Range	1GHz ~ 8GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
				Antenna Polarity & Test Distance : Horizontal at 3 m				
1	1415.00	-56.03	-13.00	-43.03	1.53 H	131	46.65	-102.68
				Antenna Polarity & Test Distance : Vertical at 3m				
1	1415.00	-53.92	-13.00	-40.92	1.37 V	221	48.76	-102.68

Remarks:
1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 23130 (711.0MHz)	Frequency Range	1GHz ~ 8GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1422.00	-56.46	-13.00	-43.46	1.48 H	134	46.25	-102.71
	Antenna Polarity & Test Distance : Vertical at 3m							
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1422.00	-54.31	-13.00	-41.31	1.41 V	224	48.40	-102.71

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

LTE Band 13, Channel Bandwidth 5MHz

Mode	TX channel 23205 (779.5MHz)	Frequency Range	1GHz ~ 8GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
Antenna Polarity & Test Distance : Horizontal at 3 m								
1	1559.00	-53.96	-40.00	-13.96	1.16 H	153	48.50	-102.46
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1559.00	-52.32	-40.00	-12.32	2.57 V	85	48.85	-101.17

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

Mode	TX channel 23230 (782.0MHz)	Frequency Range	1GHz ~ 8GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
Antenna Polarity & Test Distance : Horizontal at 3 m								
1	1564.00	-53.25	-40.00	-13.25	1.14 H	149	47.95	-101.20
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1564.00	-52.86	-40.00	-12.86	2.53 V	82	48.34	-101.20

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

Mode	TX channel 23255 (784.5MHz)	Frequency Range	1GHz ~ 8GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1569.00	-52.01	-40.00	-12.01	1.20 H	148	49.20	-101.21
	Antenna Polarity & Test Distance : Vertical at 3m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1569.00	-52.62	-40.00	-12.62	2.53 V	86	48.59	-101.21

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

LTE Band 13, Channel Bandwidth 10MHz

Mode	TX channel 23230 (782.0MHz)	Frequency Range	1GHz ~ 8GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1564.00	-51.89	-40.00	-11.89	1.17 H	149	49.31	-101.20
	Antenna Polarity & Test Distance : Vertical at 3m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1564.00	-52.01	-40.00	-12.01	2.59 V	88	49.19	-101.20

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

LTE Band 17, Channel Bandwidth 5MHz

Mode	TX channel 23755 (706.5MHz)	Frequency Range	1GHz ~ 8GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

No	Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
				Antenna Polarity & Test Distance : Horizontal at 3 m				
1	1413.00	-53.70	-13.00	-40.70	1.74 H	152	48.97	-102.67
				Antenna Polarity & Test Distance : Vertical at 3m				
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1413.00	-54.74	-13.00	-41.74	2.31 V	87	47.93	-102.67

Remarks:
1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 23790 (710.0MHz)	Frequency Range	1GHz ~ 8GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
				Antenna Polarity & Test Distance : Horizontal at 3 m				
1	1420.00	-53.92	-13.00	-40.92	1.75 H	151	48.78	-102.70
				Antenna Polarity & Test Distance : Vertical at 3m				
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1420.00	-54.65	-13.00	-41.65	2.32 V	92	48.05	-102.70

Remarks:
1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 23825 (713.5MHz)	Frequency Range	1GHz ~ 8GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

No	Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
Antenna Polarity & Test Distance : Horizontal at 3 m
1	1427.00	-53.83	-13.00	-40.83	1.73 H	151	48.91	-102.74
Antenna Polarity & Test Distance : Vertical at 3m
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1427.00	-54.99	-13.00	-41.99	2.31 V	93	47.75	-102.74

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

LTE Band 17, Channel Bandwidth 10MHz

Mode	TX channel 23780 (709.0MHz)	Frequency Range	1GHz ~ 8GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

		Antenna Polarity & Test Distance : Horizontal at 3 m						
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1418.00	-53.86	-13.00	-40.86	1.77 H	153	48.84	-102.70
		Antenna Polarity & Test Distance : Vertical at 3m						
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1418.00	-54.56	-13.00	-41.56	2.35 V	92	48.14	-102.70

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 23790 (710.0MHz)	Frequency Range	1GHz ~ 8GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

		Antenna Polarity & Test Distance : Horizontal at 3 m						
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1420.00	-53.50	-13.00	-40.50	1.71 H	150	49.20	-102.70
		Antenna Polarity & Test Distance : Vertical at 3m						
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1420.00	-54.36	-13.00	-41.36	2.31 V	92	48.34	-102.70

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 23800 (711.0MHz)	Frequency Range	1GHz ~ 8GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1422.00	-53.81	-13.00	-40.81	1.74 H	147	48.90	-102.71
	Antenna Polarity & Test Distance : Vertical at 3m							
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1422.00	-55.12	-13.00	-42.12	2.28 V	87	47.59	-102.71

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

LTE Band 30, Channel Bandwidth 5MHz

Mode	TX channel 27685 (2307.5MHz)	Frequency Range	1GHz ~ 24GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4615.00	-51.82	-40.00	-11.82	1.33 H	213	42.35	-94.17
	Antenna Polarity & Test Distance : Vertical at 3m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4615.00	-51.32	-40.00	-11.32	1.04 V	244	42.85	-94.17

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

Mode	TX channel 27710 (2310.0MHz)	Frequency Range	1GHz ~ 24GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4620.00	-51.20	-40.00	-11.20	1.32 H	215	42.95	-94.15
	Antenna Polarity & Test Distance : Vertical at 3m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4620.00	-50.98	-40.00	-10.98	1.08 V	241	43.17	-94.15

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

Mode	TX channel 27735 (2312.5MHz)	Frequency Range	1GHz ~ 24GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4625.00	-51.77	-40.00	-11.77	1.30 H	213	42.37	-94.14

Antenna Polarity & Test Distance : Vertical at 3m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4625.00	-51.10	-40.00	-11.10	1.07 V	242	43.04	-94.14

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

LTE Band 30, Channel Bandwidth 10MHz

Mode	TX channel 27710 (2310.0MHz)	Frequency Range	1GHz ~ 24GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

				Antenna Polarity & Test Distance : Horizontal at 3 m			
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4620.00	-51.98	-40.00	-11.98	1.36 H	214	42.17	-94.15

				Antenna Polarity & Test Distance : Vertical at 3m			
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4620.00	-51.13	-40.00	-11.13	1.05 V	245	43.02	-94.15

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

LTE Band 38, Channel Bandwidth 5MHz

Mode	TX channel 37775 (2572.5MHz)	Frequency Range	1GHz ~ 27GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5145.00	-50.33	-25.00	-25.33	1.34 H	211	42.81	-93.14
	Antenna Polarity & Test Distance : Vertical at 3m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5145.00	-50.70	-25.00	-25.70	1.04 V	239	42.44	-93.14

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

Mode	TX channel 38000 (2595.0MHz)	Frequency Range	1GHz ~ 27GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5190.00	-50.97	-25.00	-25.97	1.35 H	211	42.30	-93.27
	Antenna Polarity & Test Distance : Vertical at 3m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5190.00	-51.37	-25.00	-26.37	1.03 V	246	41.90	-93.27

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

Mode	TX channel 38225 (2617.5MHz)	Frequency Range	1GHz ~ 27GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

No	Antenna Polarity & Test Distance : Horizontal at 3 m
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5235.00	-51.02	-25.00	-26.02	1.32 H	214	42.37	-93.39

No	Antenna Polarity & Test Distance : Vertical at 3m
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5235.00	-50.91	-25.00	-25.91	1.06 V	245	42.48	-93.39

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

LTE Band 38, Channel Bandwidth 20MHz

Mode	TX channel 37850 (2580.0MHz)	Frequency Range	1GHz ~ 27GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Horizontal at 3 m						
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5160.00	-50.35	-25.00	-25.35	1.37 H	243	42.84	-93.19

	Antenna Polarity & Test Distance : Vertical at 3m						
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5160.00	-50.08	-25.00	-25.08	1.06 V	242	43.11	-93.19

Remarks:

    1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)

    2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8

    3. Margin value = EIRP – Limit value

    4. The other EIRP levels were very low against the limit.

Mode	TX channel 38000 (2595.0MHz)	Frequency Range	1GHz ~ 27GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Horizontal at 3 m						
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5190.00	-50.23	-25.00	-25.23	1.33 H	213	43.04	-93.27

	Antenna Polarity & Test Distance : Vertical at 3m						
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5190.00	-50.38	-25.00	-25.38	1.07 V	244	42.89	-93.27

Remarks:

    1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)

    2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8

    3. Margin value = EIRP – Limit value

    4. The other EIRP levels were very low against the limit.

Mode	TX channel 38150 (2610.0MHz)	Frequency Range	1GHz ~ 27GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5220.00	-50.88	-25.00	-25.88	1.35 H	214	42.47	-93.35
	Antenna Polarity & Test Distance : Vertical at 3m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5220.00	-51.37	-25.00	-26.37	1.04 V	241	41.98	-93.35

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

LTE Band 40 (2305MHz ~ 2315MHz), Channel Bandwidth 5MHz

Mode	TX channel 38725 (2307.5MHz)	Frequency Range	1GHz ~ 24GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Horizontal at 3 m						
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4605.00	-46.98	-40.00	-6.98	1.06 H	155	47.21	-94.19

	Antenna Polarity & Test Distance : Vertical at 3m						
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4605.00	-45.75	-40.00	-5.75	3.23 V	226	48.44	-94.19

Remarks:
1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

Mode	TX channel 38750 (2310.0MHz)	Frequency Range	1GHz ~ 24GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Horizontal at 3 m						
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4620.00	-46.78	-40.00	-6.78	1.12 H	159	47.37	-94.15

	Antenna Polarity & Test Distance : Vertical at 3m						
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4620.00	-45.45	-40.00	-5.45	3.23 V	232	48.70	-94.15

Remarks:
1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

Mode	TX channel 38775 (2312.5MHz)	Frequency Range	1GHz ~ 24GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

			Antenna Polarity & Test Distance : Horizontal at 3 m					
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4625.00	-47.24	-40.00	-7.24	1.07 H	157	46.90	-94.14
			Antenna Polarity & Test Distance : Vertical at 3m					
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4625.00	-45.89	-40.00	-5.89	3.26 V	226	48.25	-94.14

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

LTE Band 40 (2305MHz ~ 2315MHz), Channel Bandwidth 10MHz

Mode	TX channel 38750 (2310.0MHz)	Frequency Range	1GHz ~ 24GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4620.00	-46.27	-40.00	-6.27	1.08 H	156	47.88	-94.15
	Antenna Polarity & Test Distance : Vertical at 3m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4620.00	-44.91	-40.00	-4.91	3.28 V	227	49.24	-94.15

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

LTE Band 40 (2350MHz ~ 2360MHz), Channel Bandwidth 5MHz

Mode	TX channel 39175 (2352.5MHz)	Frequency Range	1GHz ~ 24GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
Antenna Polarity & Test Distance : Horizontal at 3 m								
1	4705.00	-45.49	-40.00	-5.49	1.14 H	160	48.34	-93.83
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4705.00	-43.64	-40.00	-3.64	3.24 V	226	50.19	-93.83

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

Mode	TX channel 39200 (2355.0MHz)	Frequency Range	1GHz ~ 24GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
Antenna Polarity & Test Distance : Horizontal at 3 m								
1	4710.00	-46.22	-40.00	-6.22	1.13 H	154	47.61	-93.83
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4710.00	-43.63	-40.00	-3.63	3.30 V	233	50.20	-93.83

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

Mode	TX channel 39225 (2357.5MHz)	Frequency Range	1GHz ~ 24GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4715.00	-46.12	-40.00	-6.12	1.14 H	157	47.69	-93.81
	Antenna Polarity & Test Distance : Vertical at 3m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4715.00	-43.63	-40.00	-3.63	3.23 V	226	50.18	-93.81

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

LTE Band 40 (2350MHz ~ 2360MHz), Channel Bandwidth 10MHz

Mode	TX channel 39200 (2355.0MHz)	Frequency Range	1GHz ~ 24GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4710.00	-45.22	-40.00	-5.22	1.13 H	154	48.61	-93.83
	Antenna Polarity & Test Distance : Vertical at 3m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	**4710.00**	**-43.23**	**-40.00**	**-3.23**	**3.30 V**	**233**	**50.60**	**-93.83**

Remarks:
1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

LTE Band 41, Channel Bandwidth 5MHz

Mode	TX channel 39675 (2498.5MHz)	Frequency Range	1GHz ~ 27GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

No	Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4997.00	-51.08	-25.00	-26.08	2.32 H	313	42.30	-93.38

Antenna Polarity & Test Distance : Vertical at 3m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4997.00	-51.33	-25.00	-26.33	2.22 V	28	42.05	-93.38

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

Mode	TX channel 40620 (2593.0MHz)	Frequency Range	1GHz ~ 27GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5186.00	-51.25	-25.00	-26.25	2.28 H	316	42.02	-93.27

Antenna Polarity & Test Distance : Vertical at 3m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5186.00	-51.50	-25.00	-26.50	2.23 V	31	41.77	-93.27

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

Mode	TX channel 41565 (2687.5MHz)	Frequency Range	1GHz ~ 27GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

No	Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
Antenna Polarity & Test Distance : Horizontal at 3 m
1	5375.00	-51.52	-25.00	-26.52	2.33 H	321	41.63	-93.15
Antenna Polarity & Test Distance : Vertical at 3m
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5375.00	-51.19	-25.00	-26.19	2.24 V	26	41.96	-93.15

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

LTE Band 41, Channel Bandwidth 20MHz

Mode	TX channel 39750 (2506.0MHz)	Frequency Range	1GHz ~ 27GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

No	Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5012.00	-51.10	-25.00	-26.10	2.34 H	311	42.18	-93.28

Antenna Polarity & Test Distance : Vertical at 3m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5012.00	-51.58	-25.00	-26.58	2.19 V	27	41.70	-93.28

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

Mode	TX channel 40620 (2593.0MHz)	Frequency Range	1GHz ~ 27GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5186.00	-51.78	-25.00	-26.78	2.31 H	315	41.49	-93.27

Antenna Polarity & Test Distance : Vertical at 3m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5186.00	-51.04	-25.00	-26.04	2.24 V	32	42.23	-93.27

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

Mode	TX channel 41490 (2680.0MHz)	Frequency Range	1GHz ~ 27GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

			Antenna Polarity & Test Distance : Horizontal at 3 m					
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5360.00	-50.98	-25.00	-25.98	2.29 H	314	42.26	-93.24
			Antenna Polarity & Test Distance : Vertical at 3m					
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5360.00	-51.02	-25.00	-26.02	2.25 V	28	42.22	-93.24

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

LTE Band 66, Channel Bandwidth 1.4MHz

Mode	TX channel 131979 (1710.7MHz)	Frequency Range	1GHz ~ 18GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3421.40	-53.55	-13.00	-40.55	2.11 H	253	43.52	-97.07

Antenna Polarity & Test Distance : Vertical at 3m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3421.40	-52.95	-13.00	-39.95	1.65 V	318	44.12	-97.07

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

Mode	TX channel 132322 (1745.0MHz)	Frequency Range	1GHz ~ 18GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3490.00	-52.28	-13.00	-39.28	2.10 H	256	44.41	-96.69

Antenna Polarity & Test Distance : Vertical at 3m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3490.00	-53.45	-13.00	-40.45	1.66 V	311	43.24	-96.69

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

Mode	TX channel 132665 (1779.3MHz)	Frequency Range	1GHz ~ 18GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

			Antenna Polarity & Test Distance : Horizontal at 3 m					
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3558.60	-53.18	-13.00	-40.18	2.10 H	255	43.14	-96.32
			Antenna Polarity & Test Distance : Vertical at 3m					
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3558.60	-53.42	-13.00	-40.42	1.67 V	317	42.90	-96.32

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

LTE Band 66, Channel Bandwidth 5MHz

Mode	TX channel 131997 (1712.5MHz)	Frequency Range	1GHz ~ 18GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
				Antenna Polarity & Test Distance : Horizontal at 3 m				
1	3425.00	-53.71	-13.00	-40.71	2.14 H	253	43.34	-97.05
				Antenna Polarity & Test Distance : Vertical at 3m				
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3425.00	-54.01	-13.00	-41.01	1.62 V	314	43.04	-97.05

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

Mode	TX channel 132322 (1745.0MHz)	Frequency Range	1GHz ~ 18GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
				Antenna Polarity & Test Distance : Horizontal at 3 m				
1	3490.00	-53.77	-13.00	-40.77	2.13 H	258	42.92	-96.69
				Antenna Polarity & Test Distance : Vertical at 3m				
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3490.00	-54.24	-13.00	-41.24	1.68 V	319	42.45	-96.69

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

Mode	TX channel 132647 (1777.5MHz)	Frequency Range	1GHz ~ 18GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	-53.97	-13.00	-40.97	2.10 H	253	42.36	-96.33
	Antenna Polarity & Test Distance : Vertical at 3m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	-53.53	-13.00	-40.53	1.64 V	316	42.80	-96.33

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

LTE Band 66, Channel Bandwidth 20MHz

Mode	TX channel 132072 (1720.0MHz)	Frequency Range	1GHz ~ 18GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3440.00	-53.64	-13.00	-40.64	2.11 H	253	43.35	-96.99

	Antenna Polarity & Test Distance : Vertical at 3m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3440.00	-54.41	-13.00	-41.41	1.62 V	319	42.58	-96.99

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

Mode	TX channel 132322 (1745.0MHz)	Frequency Range	1GHz ~ 18GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3490.00	-54.10	-13.00	-41.10	2.12 H	249	42.59	-96.69

	Antenna Polarity & Test Distance : Vertical at 3m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3490.00	-53.69	-13.00	-40.69	1.65 V	322	43.00	-96.69

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

Mode	TX channel 132572 (1770.0MHz)	Frequency Range	1GHz ~ 18GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

	Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3540.00	-53.33	-13.00	-40.33	2.09 H	318	43.07	-96.40
	Antenna Polarity & Test Distance : Vertical at 3m							
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3540.00	-54.03	-13.00	-41.03	1.68 V	312	42.37	-96.40

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

LTE Band 71, Channel Bandwidth 5MHz

Mode	TX channel 133147 (665.5MHz)	Frequency Range	1GHz ~ 7GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1331.00	-58.02	-13.00	-45.02	1.18 H	101	44.78	-102.80

Antenna Polarity & Test Distance : Vertical at 3m							
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1331.00	-58.04	-13.00	-45.04	3.57 V	142	44.76	-102.80

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 133297 (680.5MHz)	Frequency Range	1GHz ~ 7GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1361.00	-58.31	-13.00	-45.31	1.20 H	105	44.42	-102.73

Antenna Polarity & Test Distance : Vertical at 3m							
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1361.00	-58.11	-13.00	-45.11	3.48 V	144	44.62	-102.73

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 133447 (695.5MHz)	Frequency Range	1GHz ~ 7GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

			Antenna Polarity & Test Distance : Horizontal at 3 m					
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1391.00	-57.46	-13.00	-44.46	1.16 H	104	45.18	-102.64
			Antenna Polarity & Test Distance : Vertical at 3m					
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1391.00	-58.26	-13.00	-45.26	3.52 V	140	44.38	-102.64

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

LTE Band 71, Channel Bandwidth 20MHz

Mode	TX channel 133222 (673.0MHz)	Frequency Range	1GHz ~ 7GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

No	Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1346.00	-58.53	-13.00	-45.53	1.17 H	98	44.24	-102.77

No	Antenna Polarity & Test Distance : Vertical at 3m							
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1346.00	-58.22	-13.00	-45.22	3.56 V	146	44.55	-102.77

Remarks:
1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 133297 (680.5MHz)	Frequency Range	1GHz ~ 7GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

No	Antenna Polarity & Test Distance : Horizontal at 3 m							
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1361.00	-58.47	-13.00	-45.47	3.61 H	143	44.26	-102.73

No	Antenna Polarity & Test Distance : Vertical at 3m							
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1361.00	-57.61	-13.00	-44.61	1.22 V	102	45.12	-102.73

Remarks:
1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 133372 (688.0MHz)	Frequency Range	1GHz ~ 7GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Rex Wang		

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
Antenna Polarity & Test Distance : Horizontal at 3 m								
1	1376.00	-57.52	-13.00	-44.52	3.55 H	144	45.16	-102.68
Antenna Polarity & Test Distance : Vertical at 3m								
1	1376.00	-57.40	-13.00	-44.40	1.21 V	106	45.28	-102.68

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

5 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo).

Appendix – Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited and approved according to ISO/IEC 17025．

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The address and road map of all our labs can be found in our web site also.

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