

## 4.7 Conducted Spurious Emissions

### 4.7.1 Limits of Conducted Spurious Emissions Measurement

For WCDMA Band 4, LTE Band 4, 12

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  $43 + 10 \log (P)$  dB. The emission limit equal to  $-13\text{dBm}$ .

For LTE Band 7, 38, 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  $-25\text{dBm}$ .

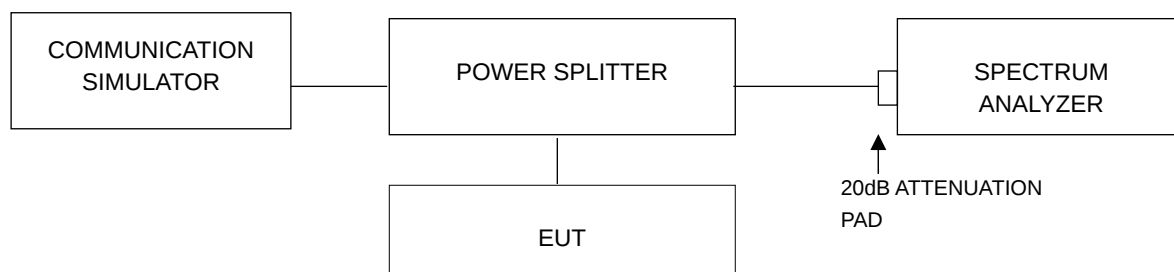
For LTE Band 13

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.

For LTE Band 17

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.

### 4.7.2 Test Setup



### 4.7.3 Test Procedure

- All measurements were done at 3 channels: low, middle and high operational frequency range.
- When the spectrum scanned from 9kHz to 26.5GHz, it shall be connected to the attenuator with the carried frequency.

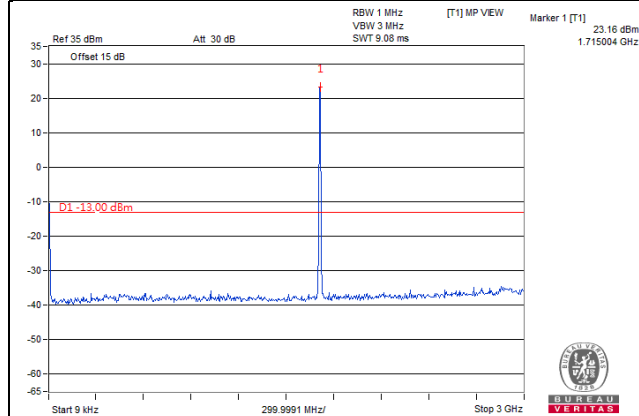
#### 4.7.4 Test Results

WCDMA Band 4

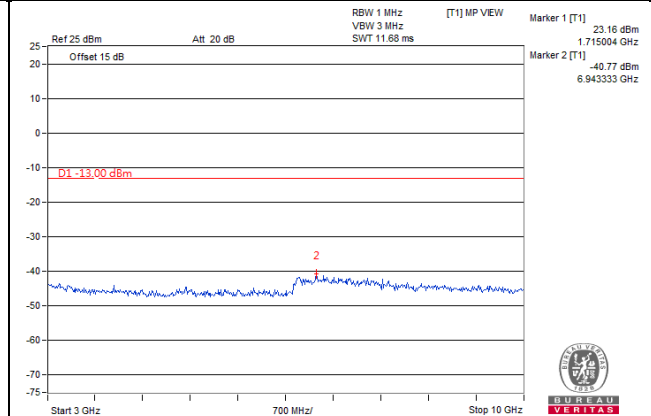
WCDMA

Channel 1312 (1712.4MHz)

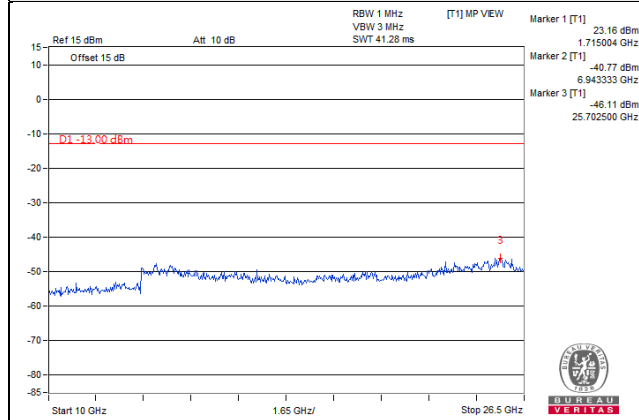
Frequency Range : 9kHz~3GHz



Frequency Range : 3GHz~10GHz



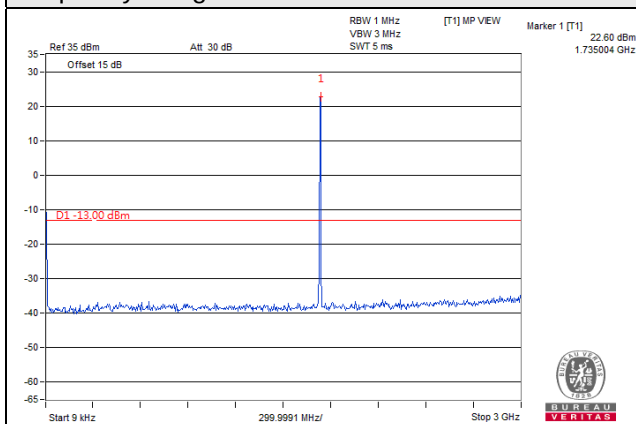
Frequency Range : 10GHz~26.5GHz



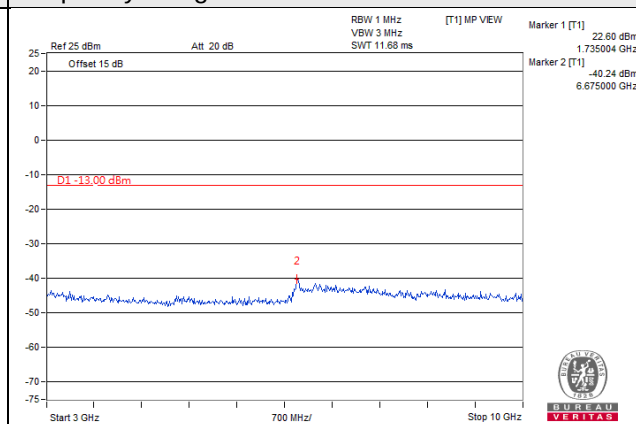
# WCDMA

Channel 1413 (1732.6MHz)

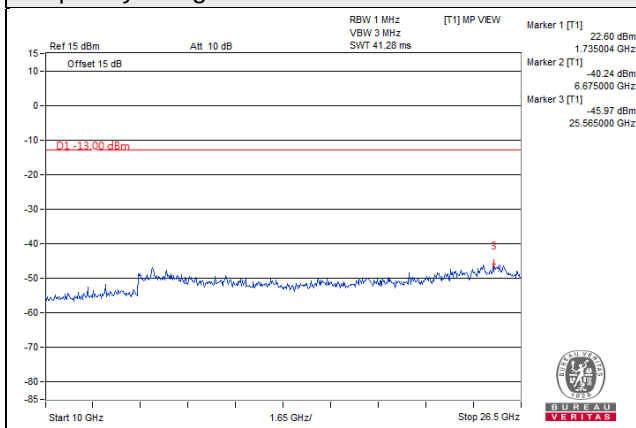
Frequency Range : 9kHz~3GHz



Frequency Range : 3GHz~10GHz



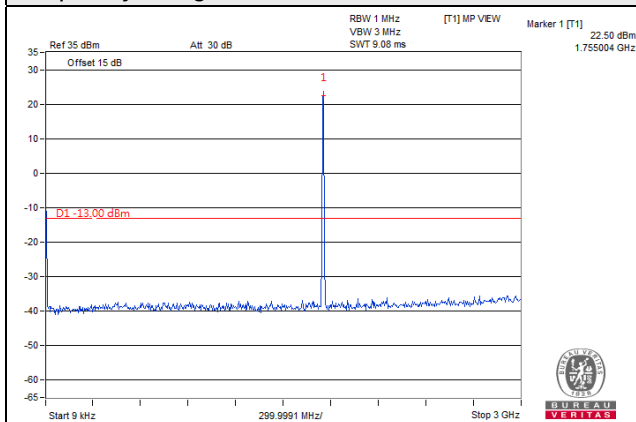
Frequency Range : 10GHz~26.5GHz



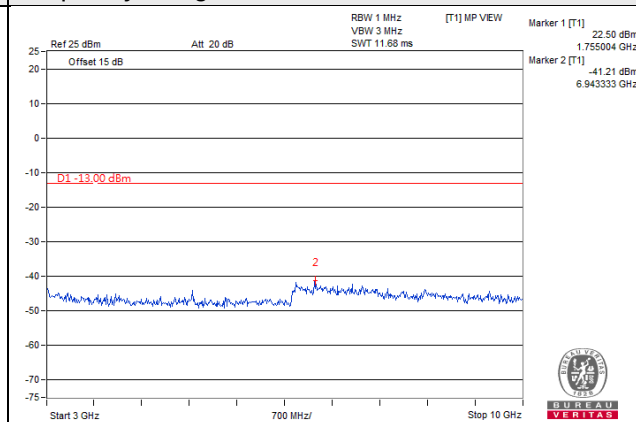
# WCDMA

Channel 1513 (1752.6MHz)

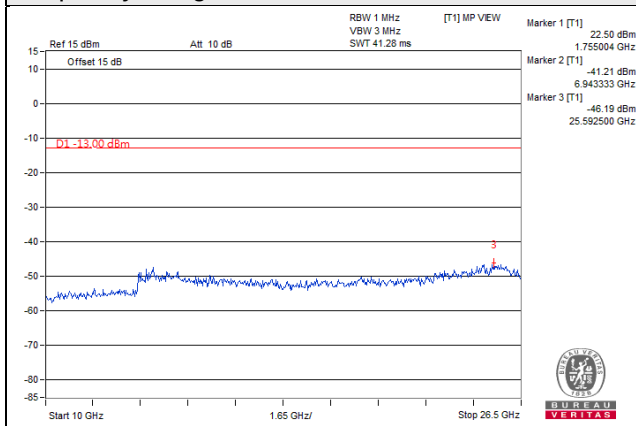
Frequency Range : 9kHz~3GHz



Frequency Range : 3GHz~10GHz



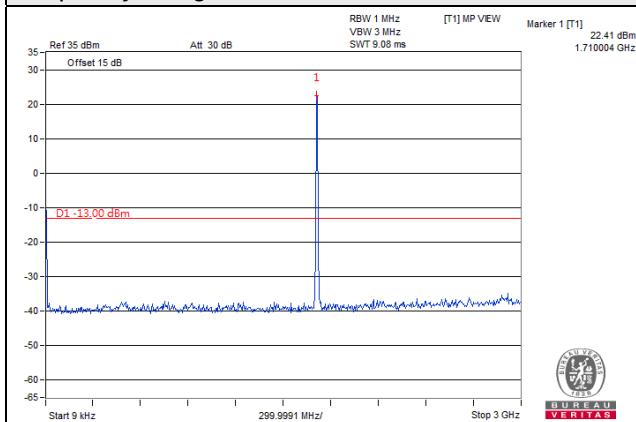
Frequency Range : 10GHz~26.5GHz



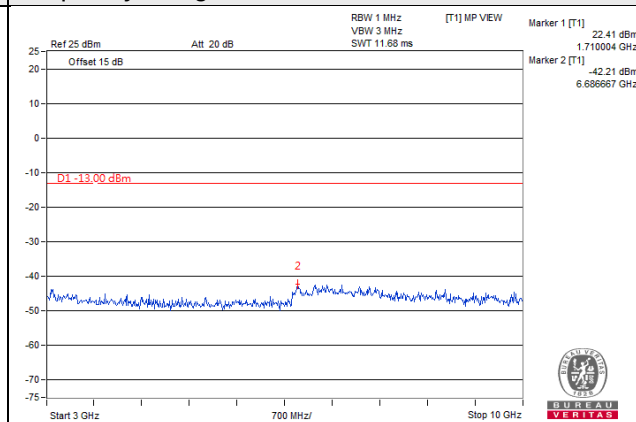
# HSDPA

Channel 1312 (1712.4MHz)

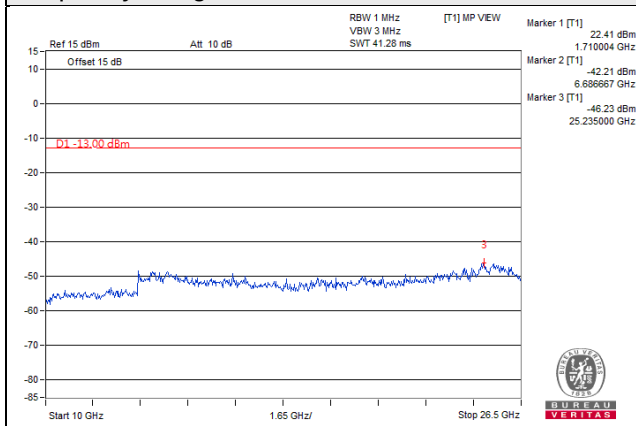
Frequency Range : 9kHz~3GHz



Frequency Range : 3GHz~10GHz



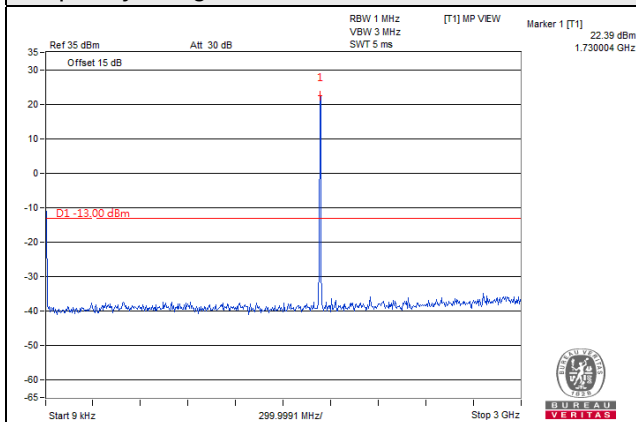
Frequency Range : 10GHz~26.5GHz



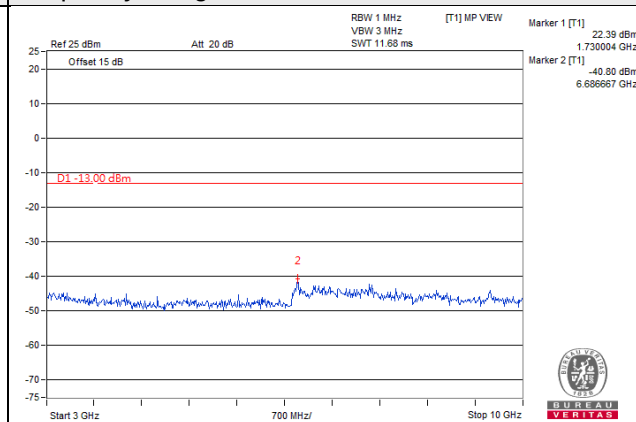
# HSDPA

Channel 1413 (1732.6MHz)

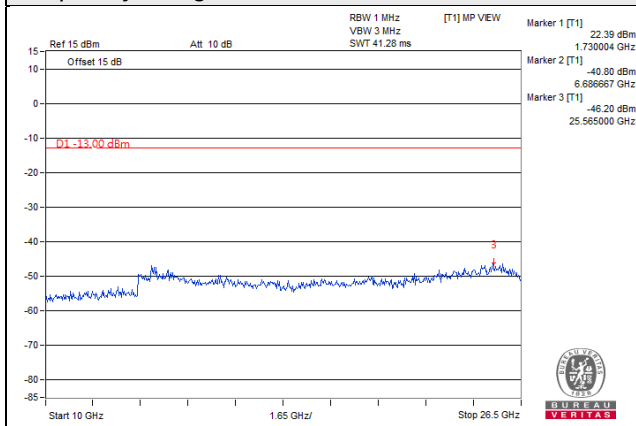
Frequency Range : 9kHz~3GHz



Frequency Range : 3GHz~10GHz



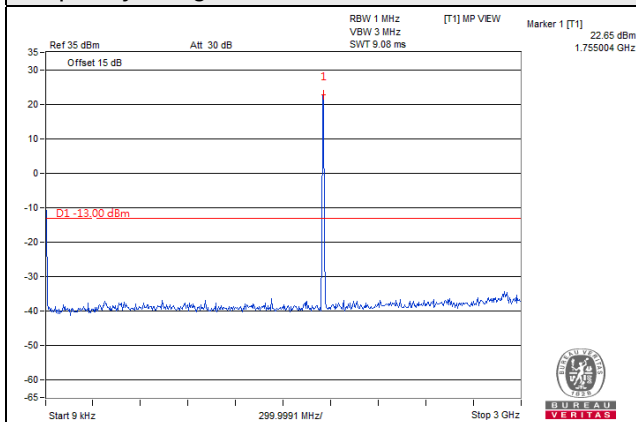
Frequency Range : 10GHz~26.5GHz



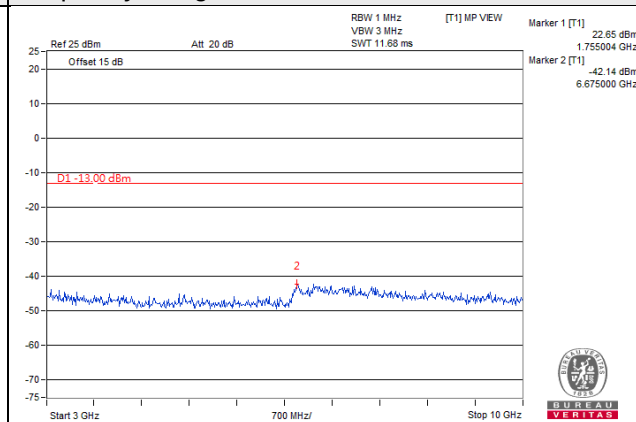
# HSDPA

Channel 1513 (1752.6MHz)

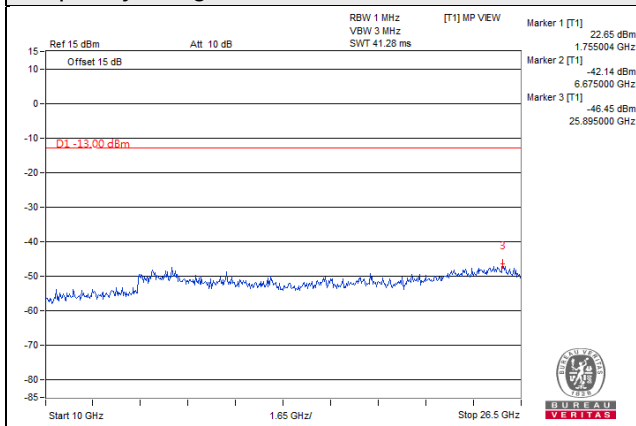
Frequency Range : 9kHz~3GHz



Frequency Range : 3GHz~10GHz



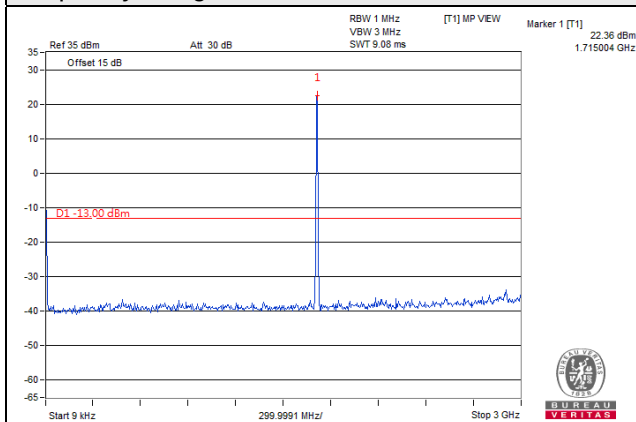
Frequency Range : 10GHz~26.5GHz



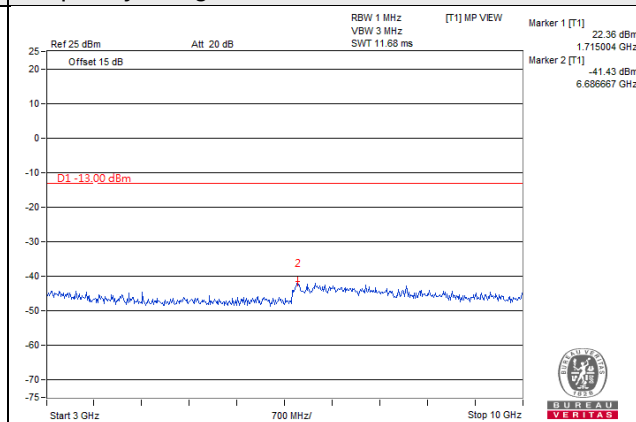
HSUPA

Channel 1312 (1712.4MHz)

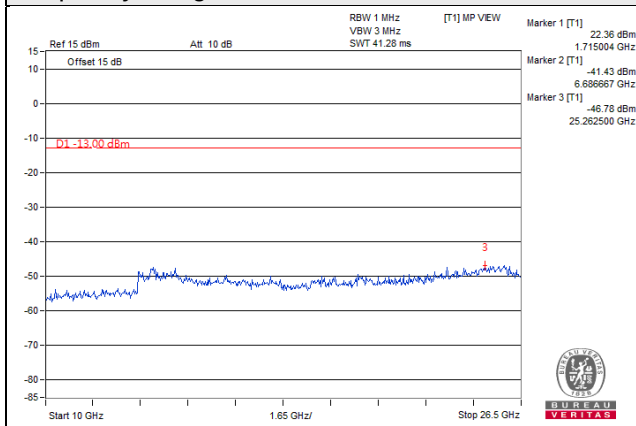
Frequency Range : 9kHz~3GHz



Frequency Range : 3GHz~10GHz



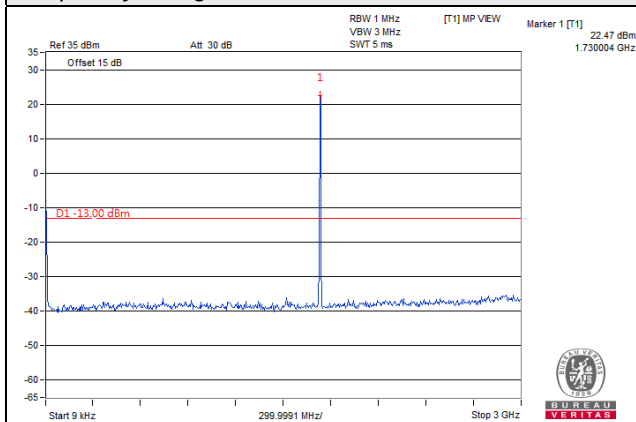
Frequency Range : 10GHz~26.5GHz



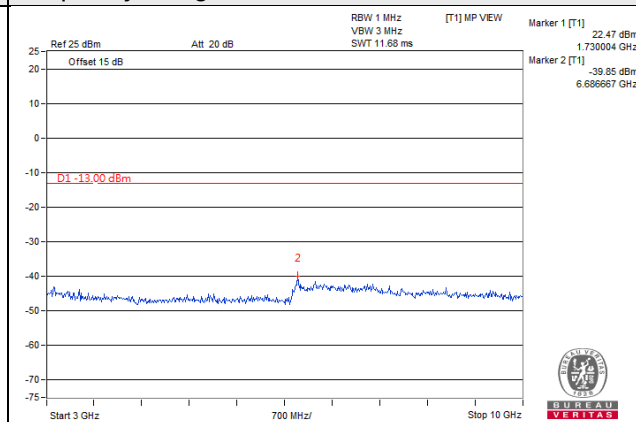
HSUPA

Channel 1413 (1732.6MHz)

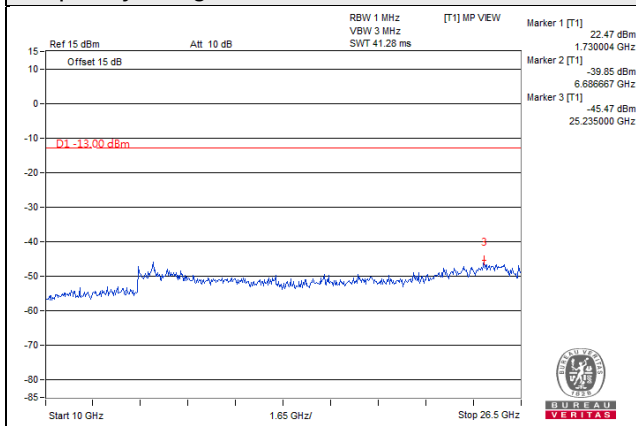
Frequency Range : 9kHz~3GHz



Frequency Range : 3GHz~10GHz



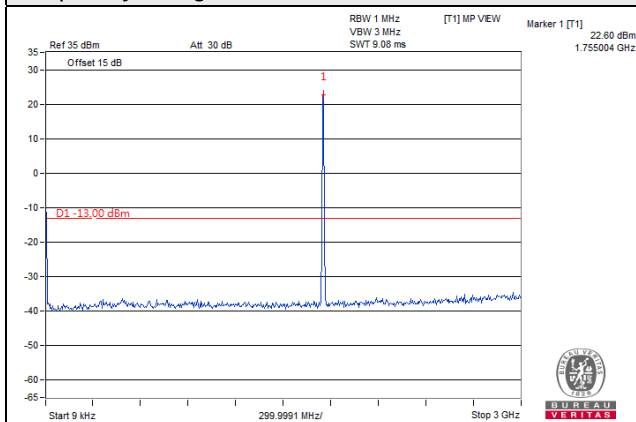
Frequency Range : 10GHz~26.5GHz



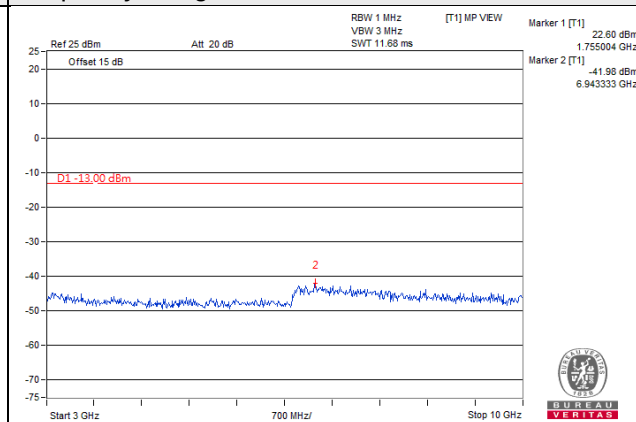
# HSUPA

Channel 1513 (1752.6MHz)

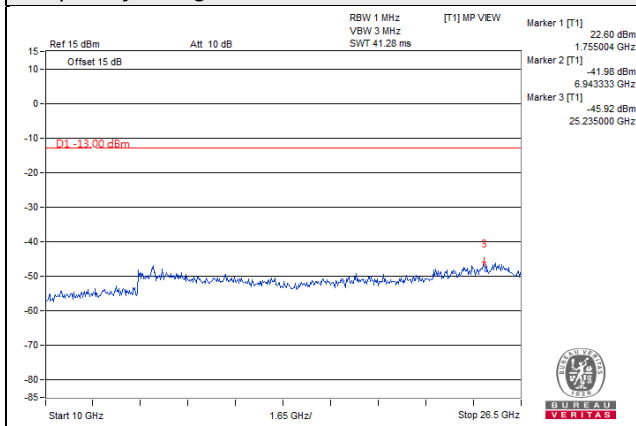
Frequency Range : 9kHz~3GHz



Frequency Range : 3GHz~10GHz



Frequency Range : 10GHz~26.5GHz



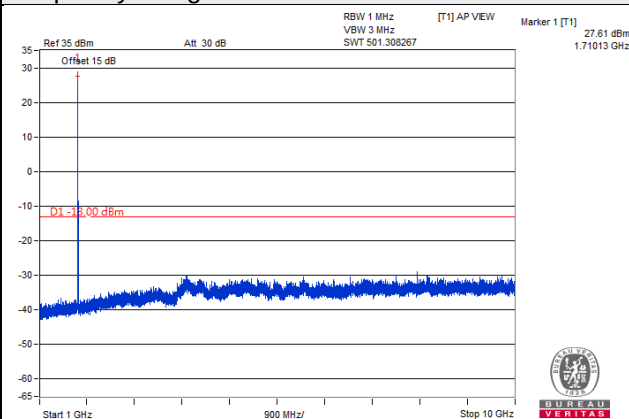
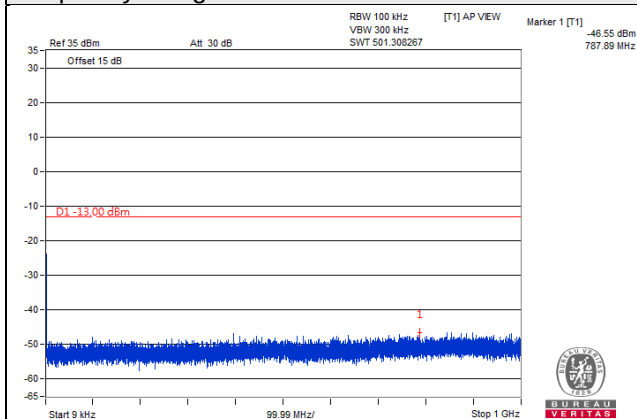
# LTE Band 4

Channel Bandwidth: 1.4MHz

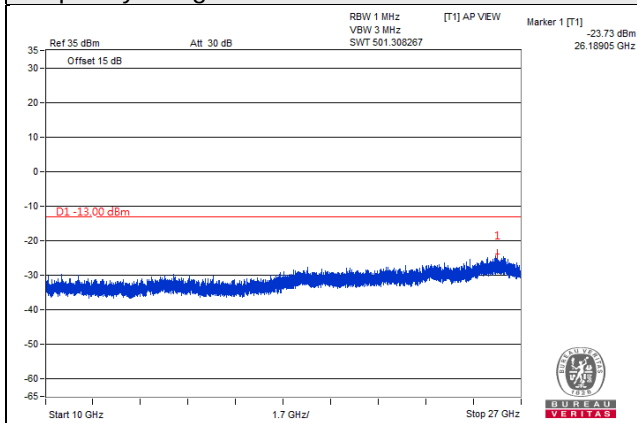
Channel 19957 (1710.7MHz)

Frequency Range : 9kHz~1GHz

Frequency Range : 1GHz~10GHz



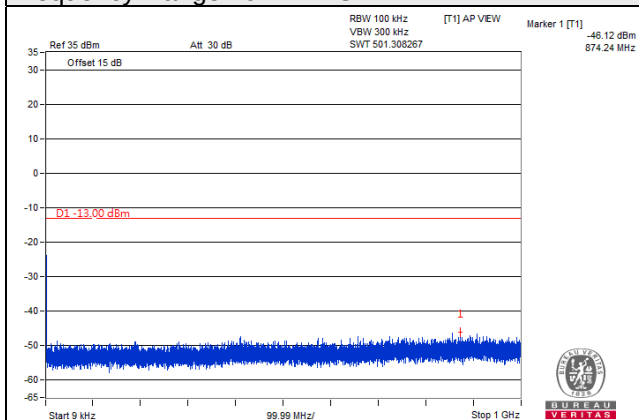
Frequency Range : 10GHz~27GHz



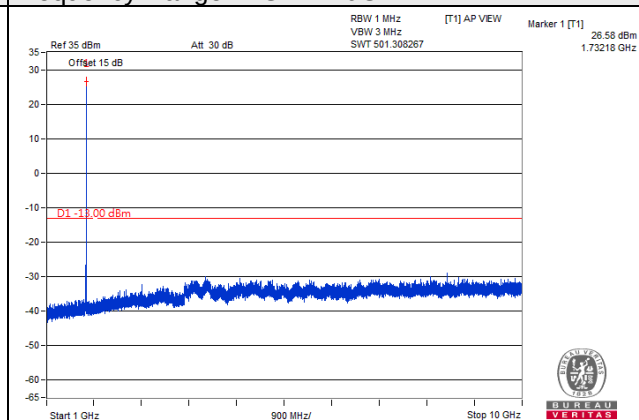
Channel Bandwidth: 1.4MHz

Channel 20175 (1732.5MHz)

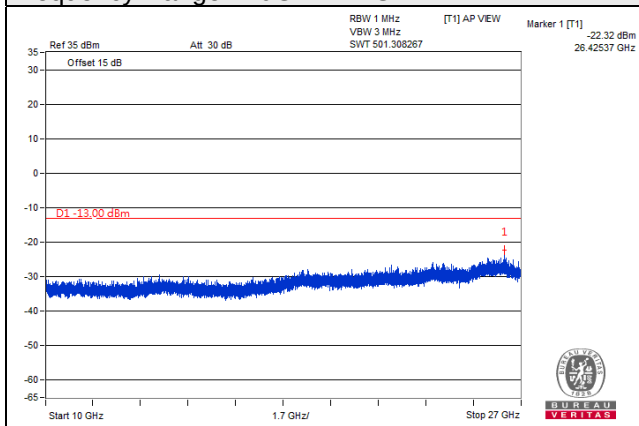
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~10GHz



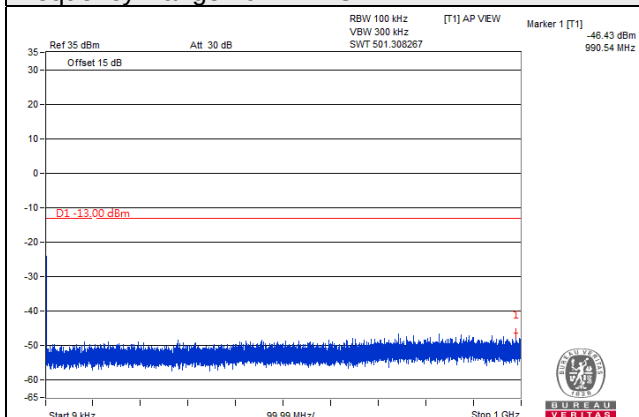
Frequency Range : 10GHz~27GHz



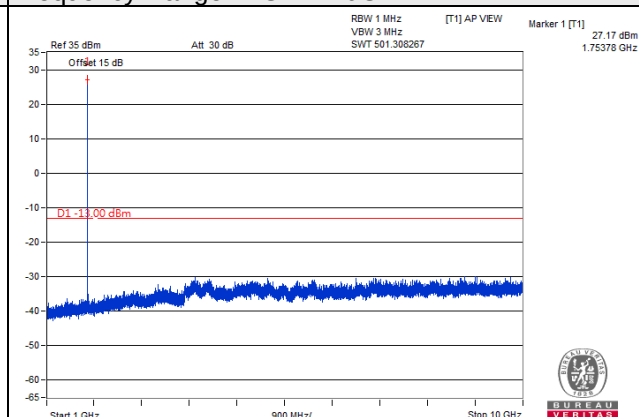
Channel Bandwidth: 1.4MHz

Channel 20393 (1754.3MHz)

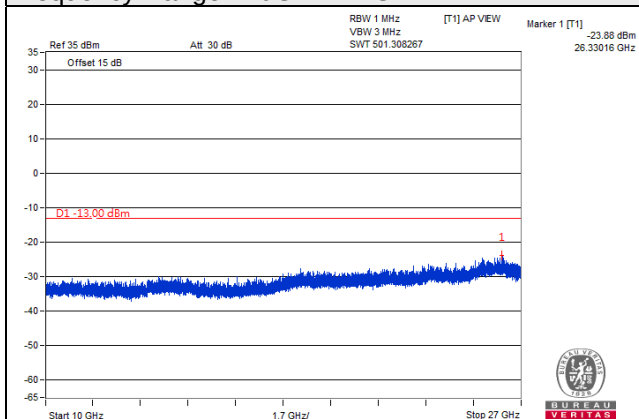
Frequency Range : 9kHz~1GHz

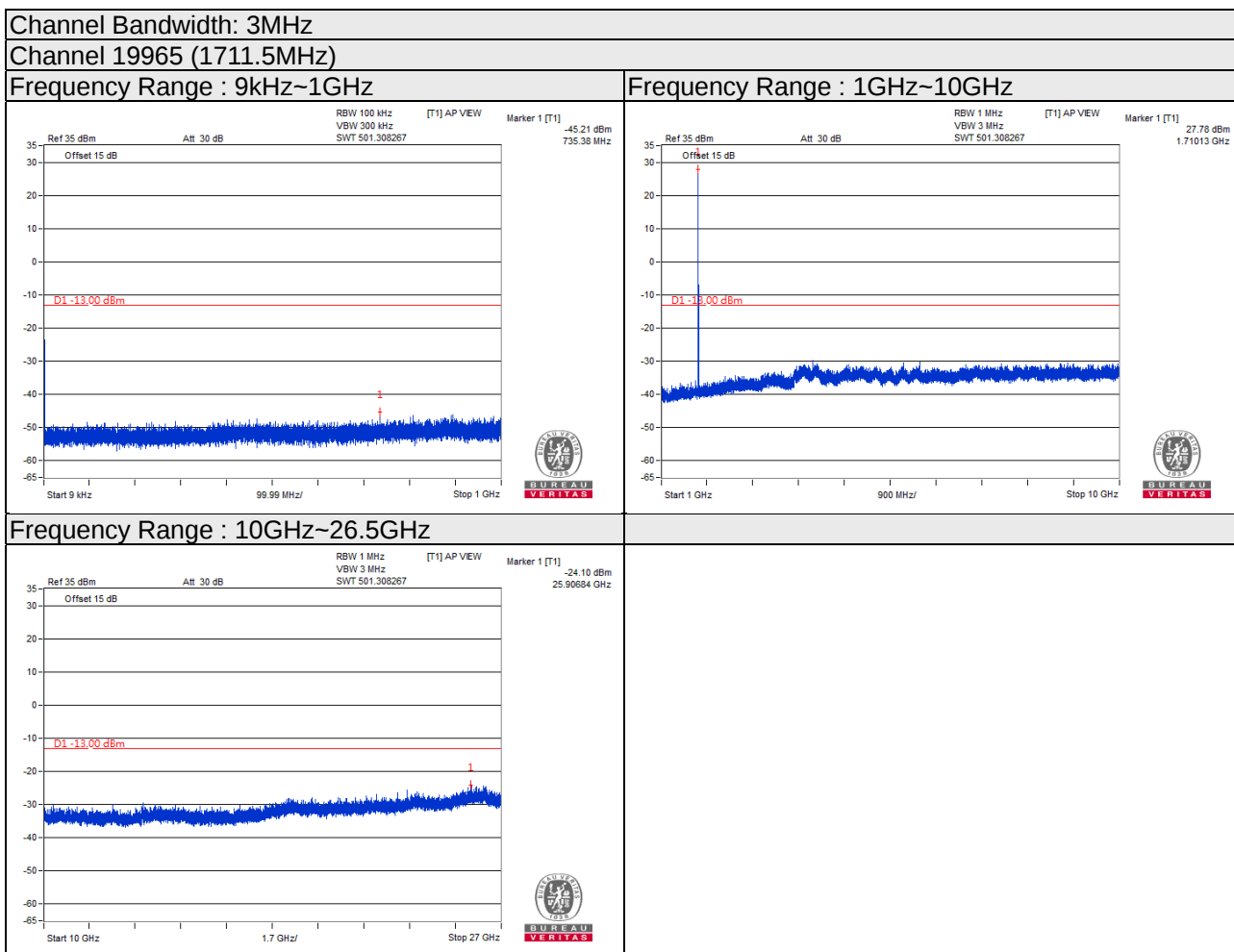


Frequency Range : 1GHz~10GHz



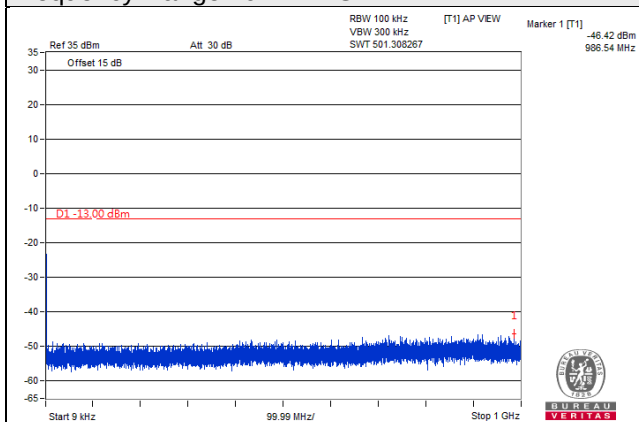
Frequency Range : 10GHz~27GHz



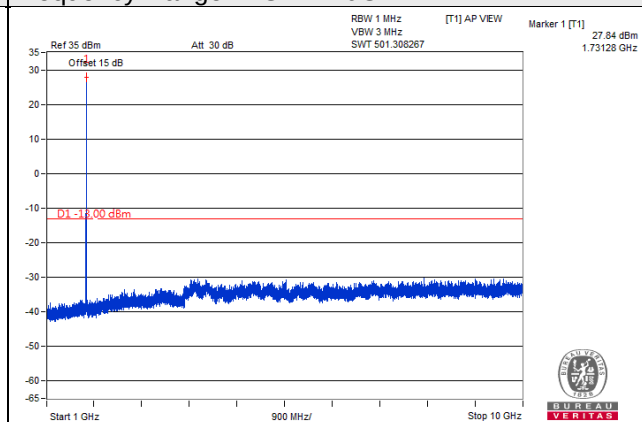


Channel Bandwidth: 3MHz  
Channel 20175 (1732.5MHz)

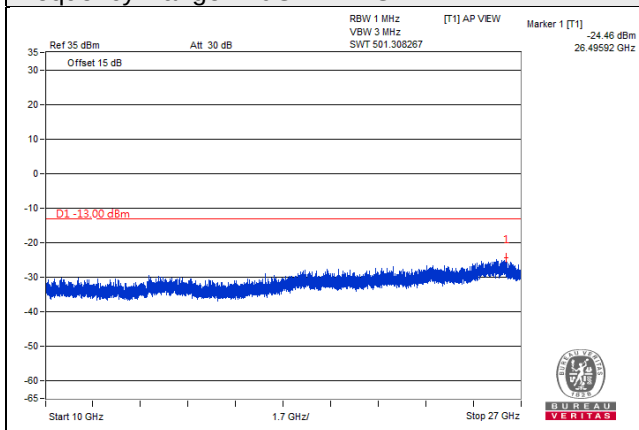
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~10GHz

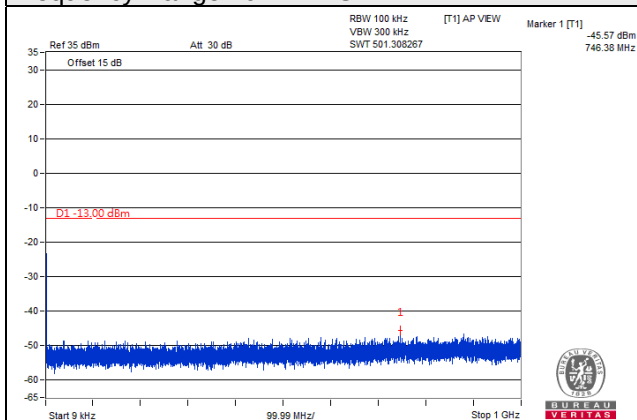


Frequency Range : 10GHz~27GHz

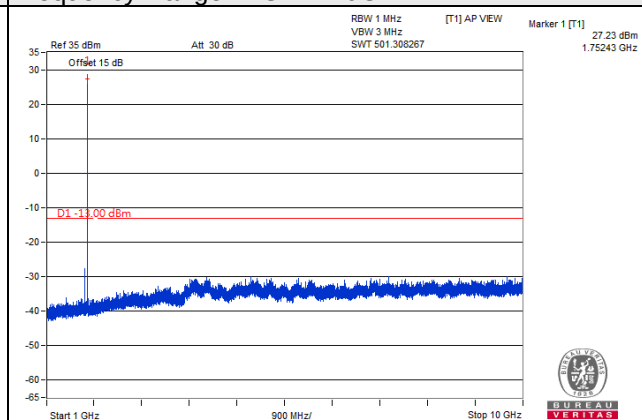


Channel Bandwidth: 3MHz  
Channel 20385 (1753.5MHz)

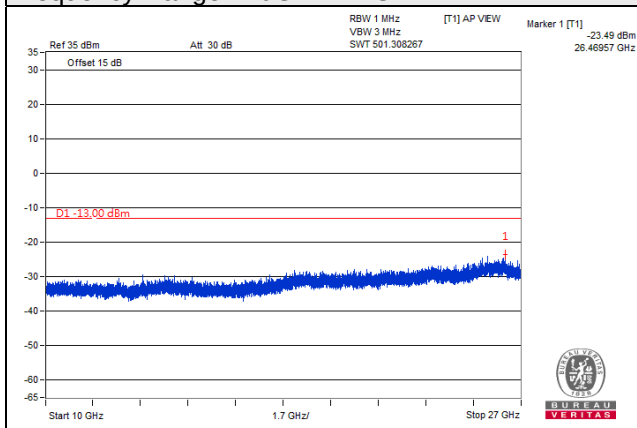
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~10GHz

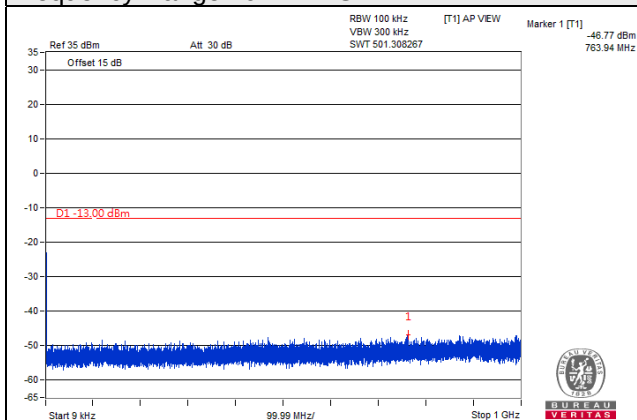


Frequency Range : 10GHz~27GHz

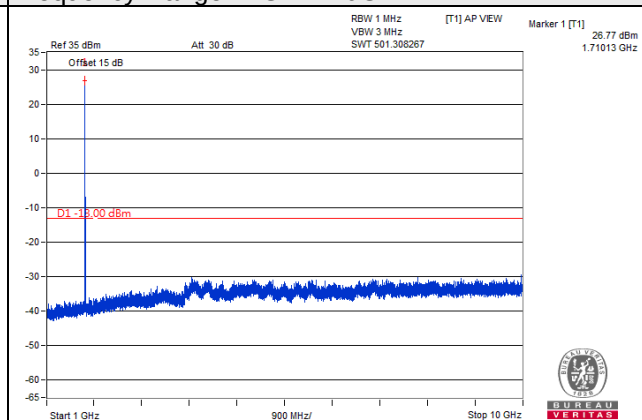


Channel Bandwidth: 5MHz  
Channel 19975 (1712.5MHz)

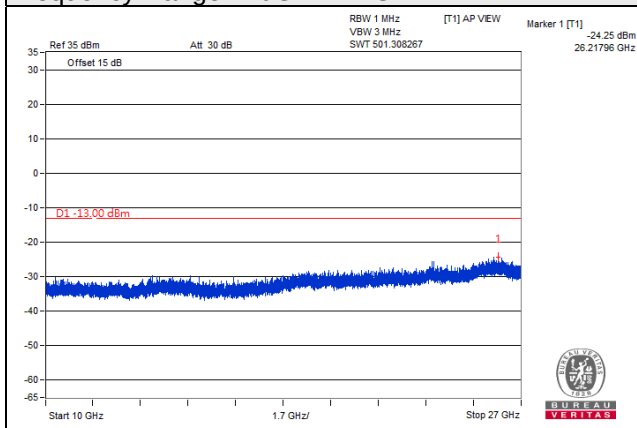
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~10GHz



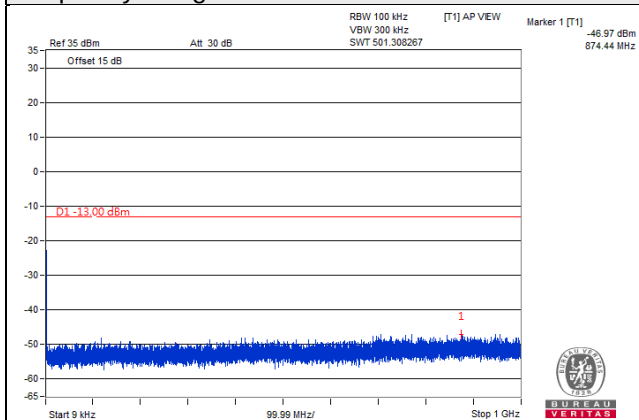
Frequency Range : 10GHz~27GHz



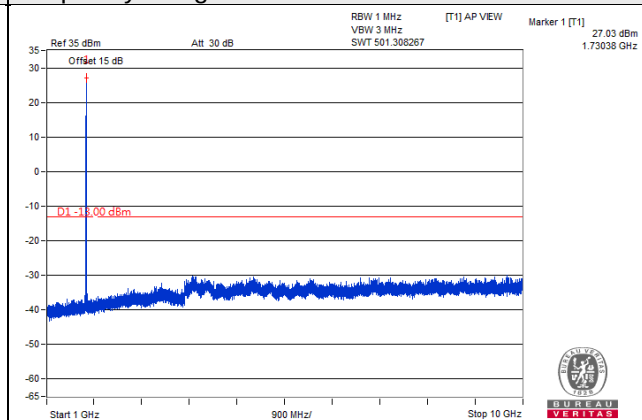
Channel Bandwidth: 5MHz

Channel 20175 (1732.5MHz)

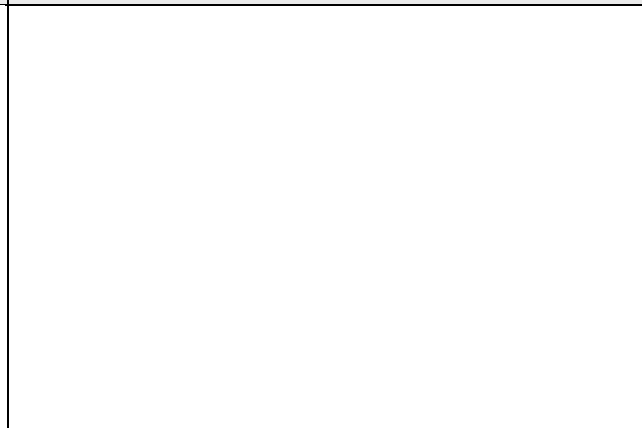
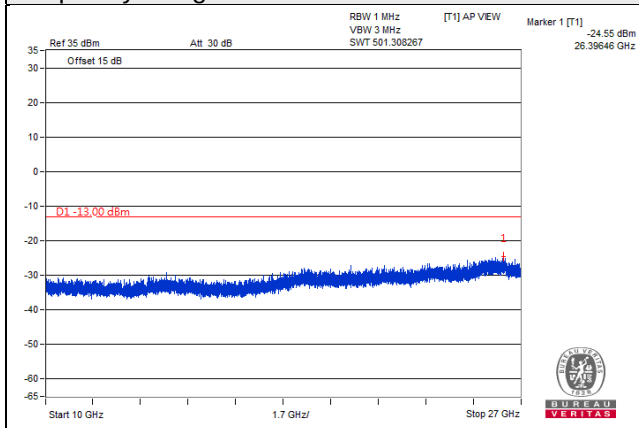
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~10GHz

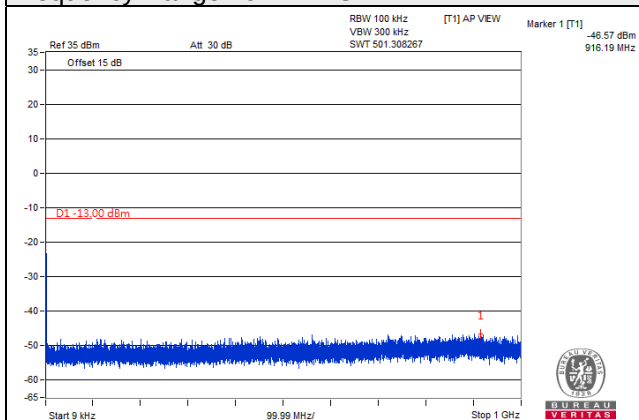


Frequency Range : 10GHz~27GHz

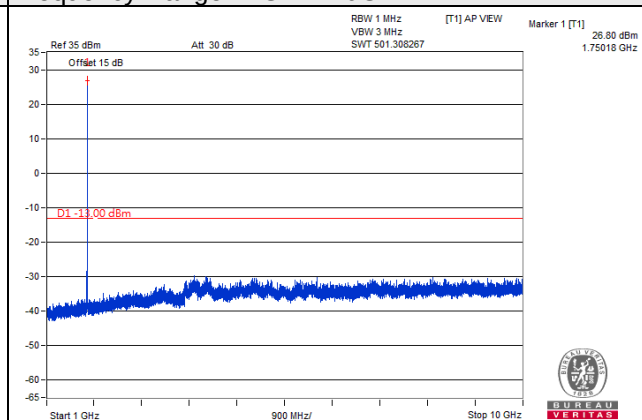


Channel Bandwidth: 5MHz  
Channel 20375 (1752.5MHz)

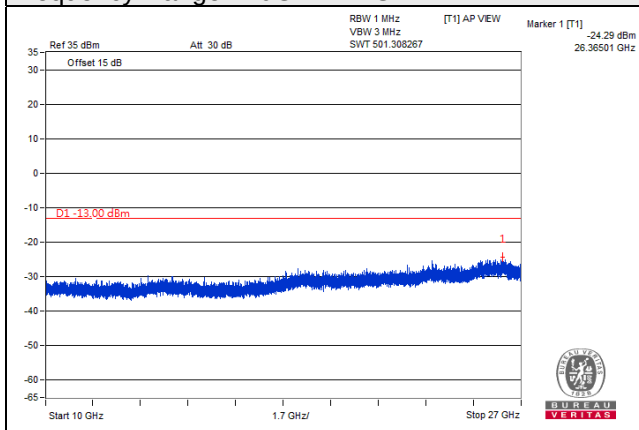
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~10GHz



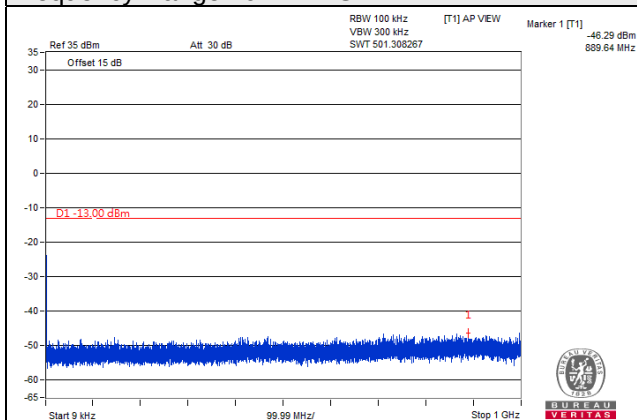
Frequency Range : 10GHz~27GHz



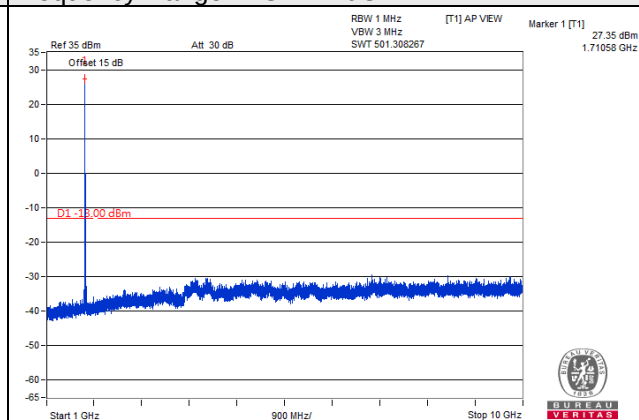
Channel Bandwidth: 10MHz

Channel 20000 (1715.0MHz)

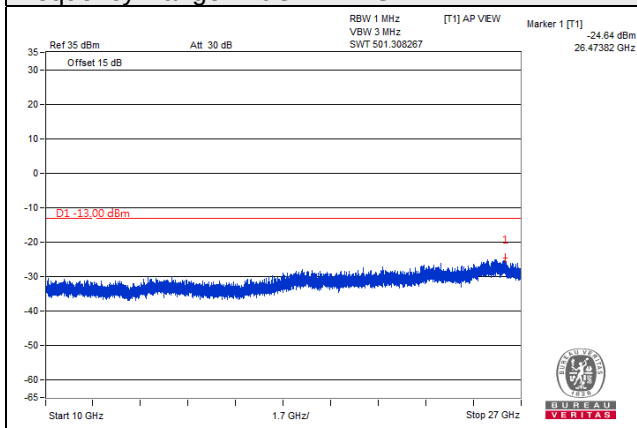
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~10GHz



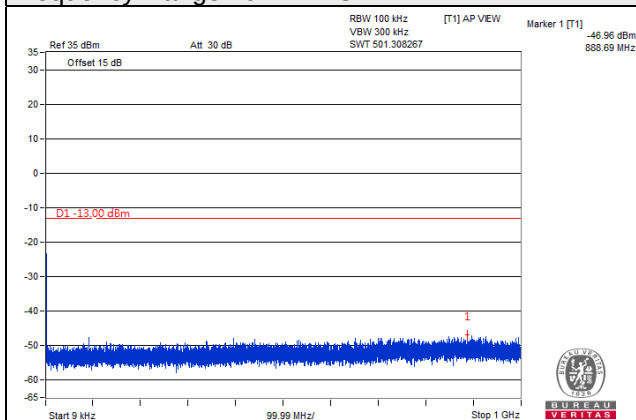
Frequency Range : 10GHz~27GHz



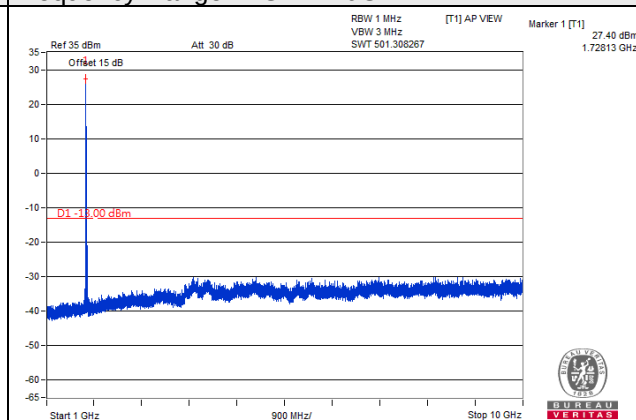
Channel Bandwidth: 10MHz

Channel 20175 (1732.5MHz)

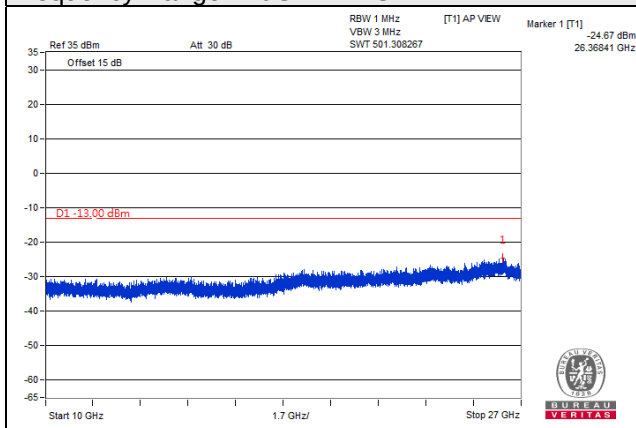
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~10GHz



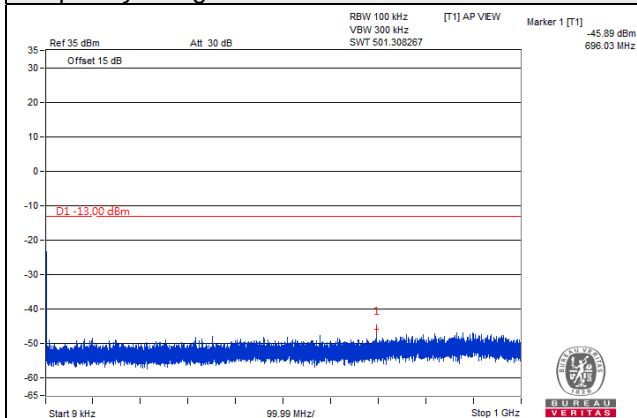
Frequency Range : 10GHz~27GHz



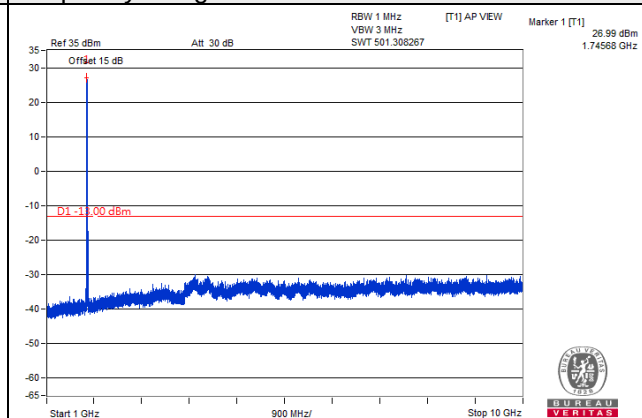
Channel Bandwidth: 10MHz

Channel 20350 (1750.0MHz)

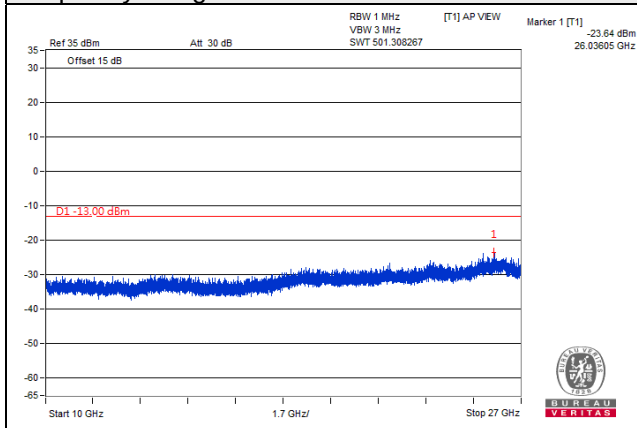
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~10GHz



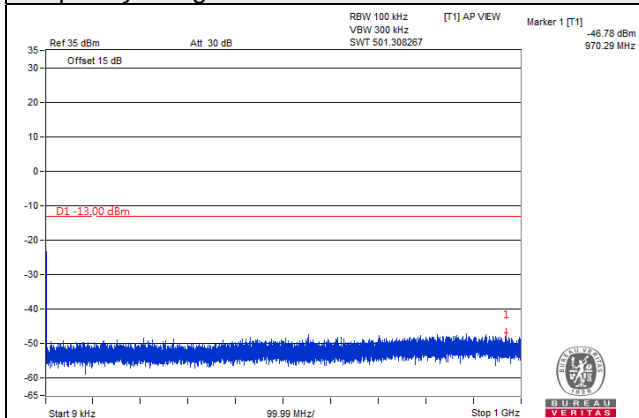
Frequency Range : 10GHz~27GHz



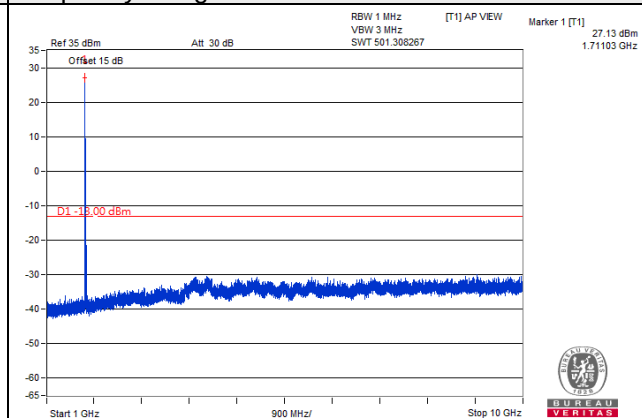
Channel Bandwidth: 15MHz

Channel 20025 (1717.5MHz)

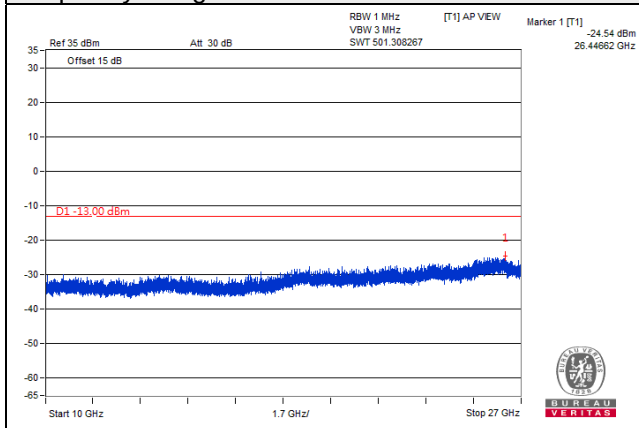
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~10GHz



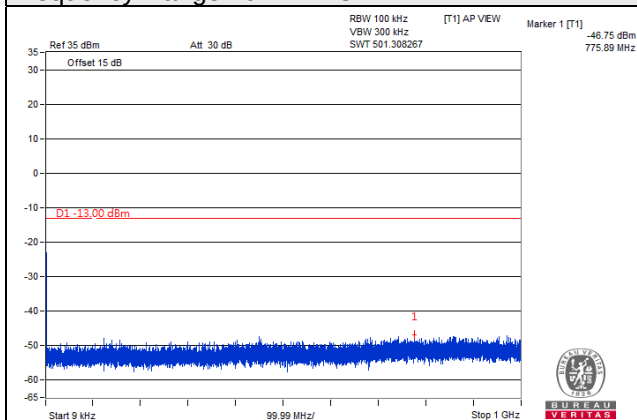
Frequency Range : 10GHz~27GHz



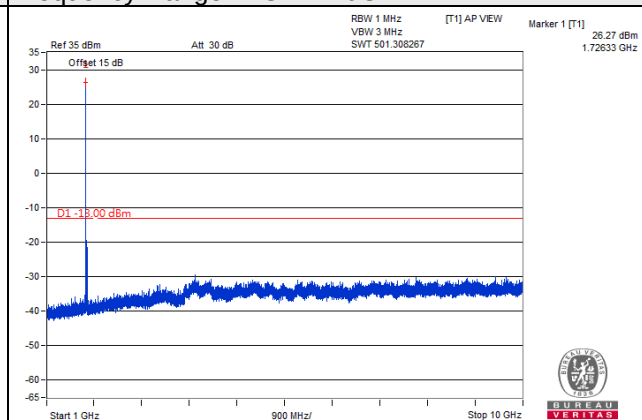
Channel Bandwidth: 15MHz

Channel 20175 (1732.5MHz)

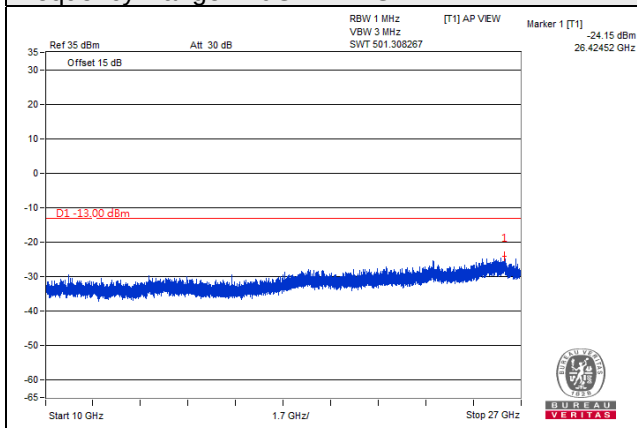
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~10GHz



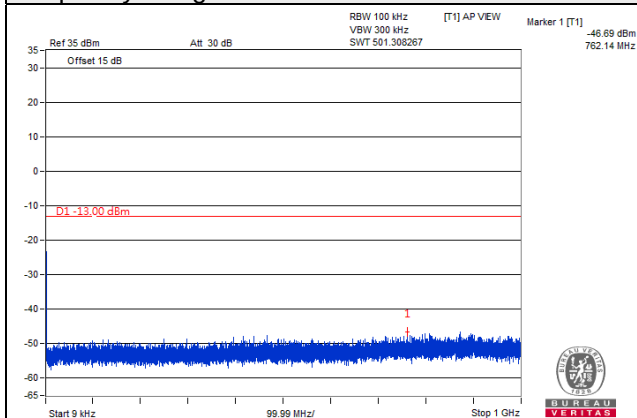
Frequency Range : 10GHz~27GHz



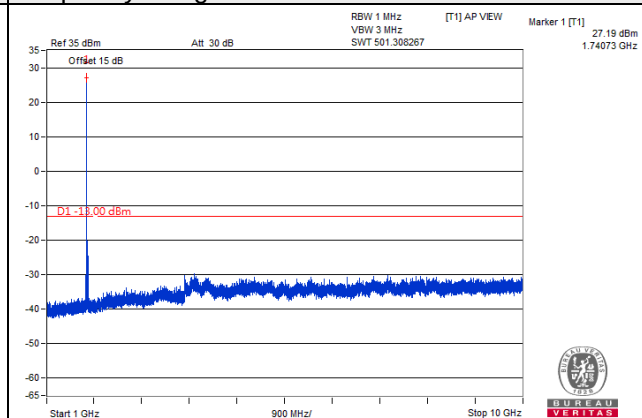
Channel Bandwidth: 15MHz

Channel 20325 (1747.5MHz)

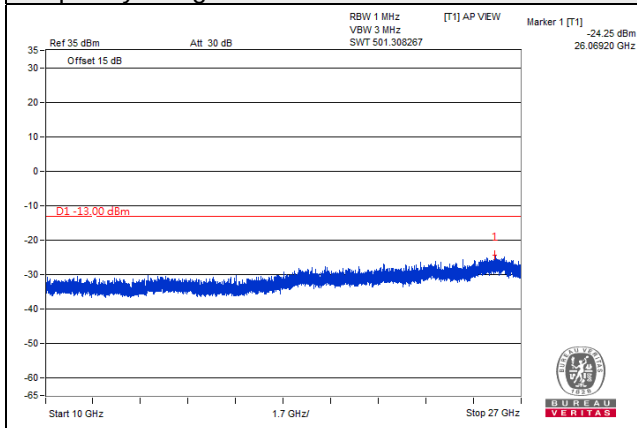
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~10GHz



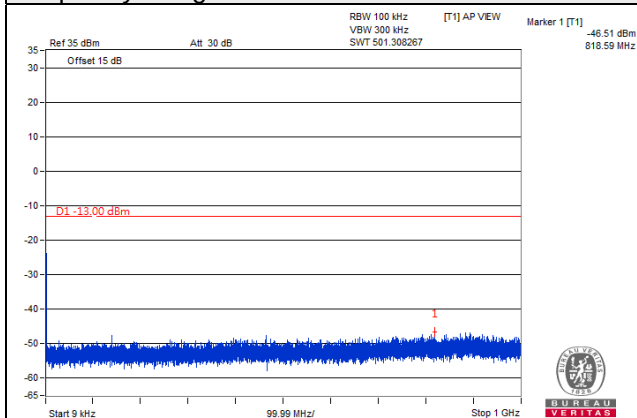
Frequency Range : 10GHz~27GHz



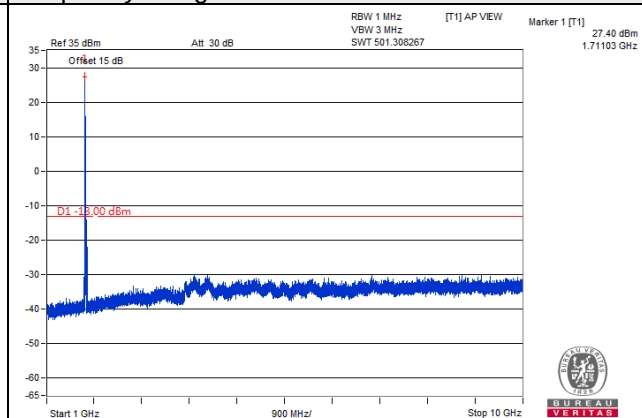
Channel Bandwidth: 20MHz

Channel 20050 (1720.0MHz)

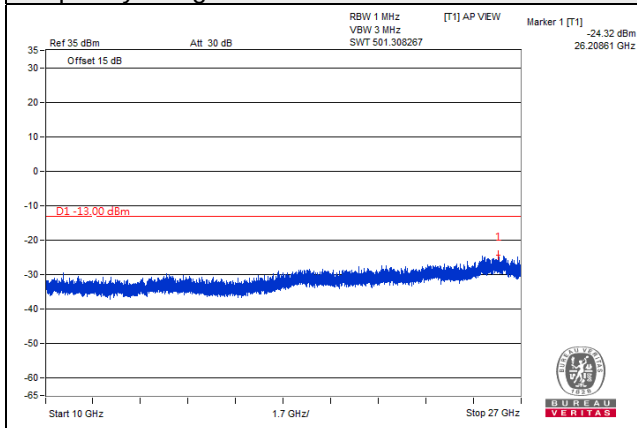
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~10GHz



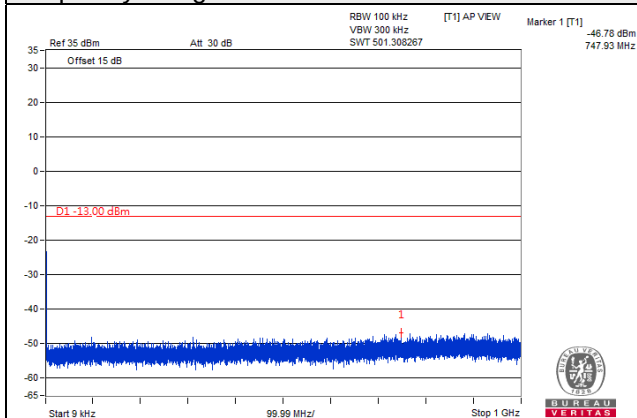
Frequency Range : 10GHz~27GHz



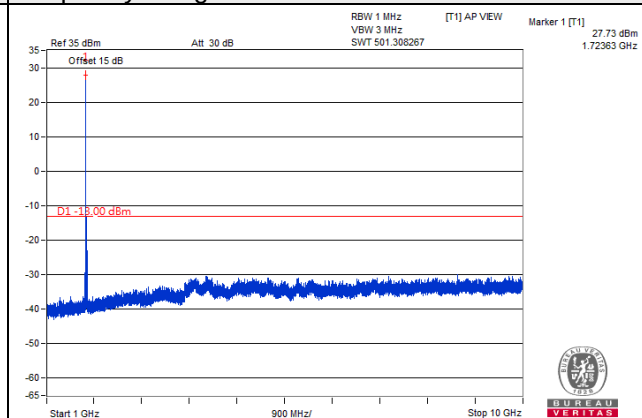
Channel Bandwidth: 20MHz

Channel 20175 (1732.5MHz)

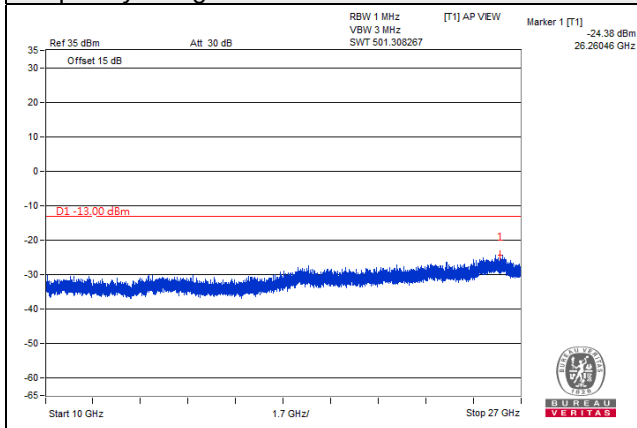
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~10GHz



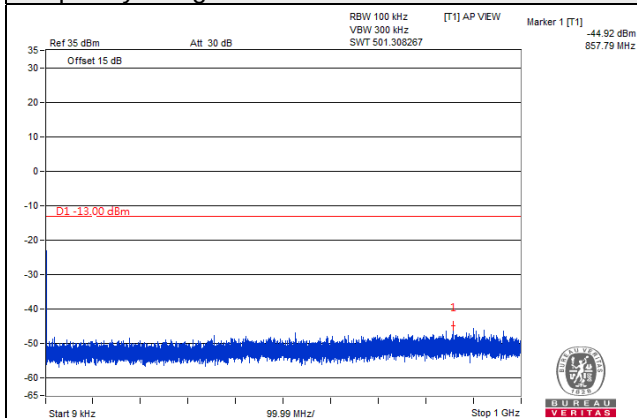
Frequency Range : 10GHz~27GHz



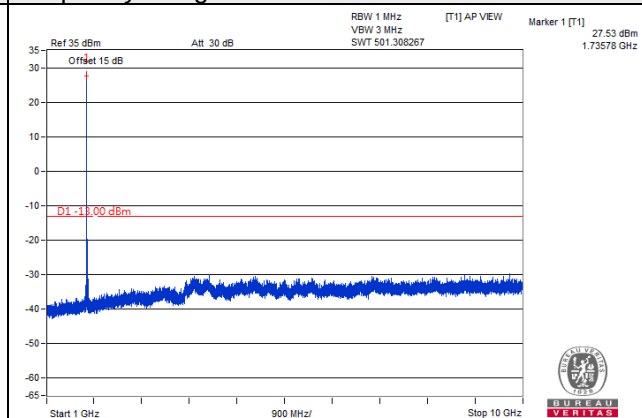
Channel Bandwidth: 20MHz

Channel 20300 (1745.0MHz)

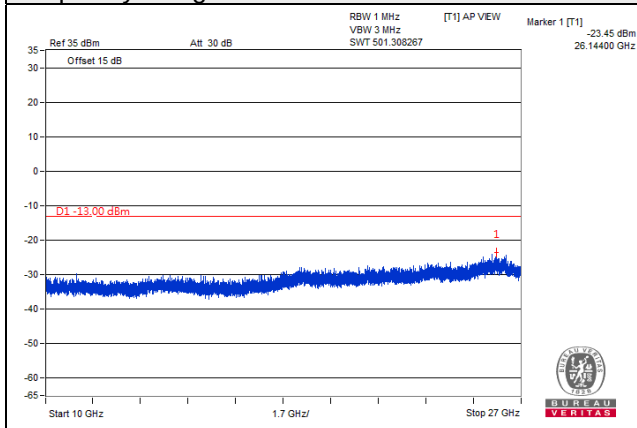
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~10GHz



Frequency Range : 10GHz~27GHz

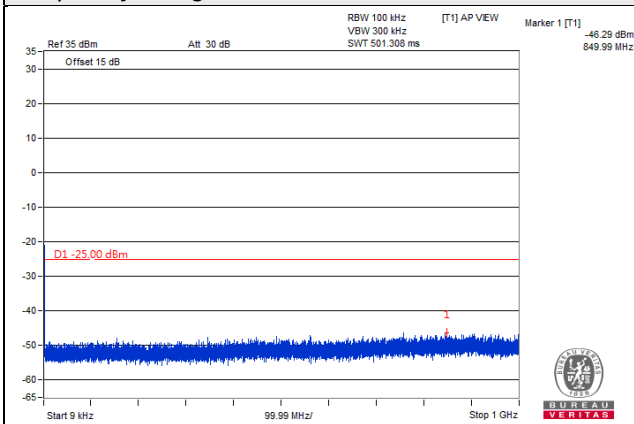


# LTE Band 7

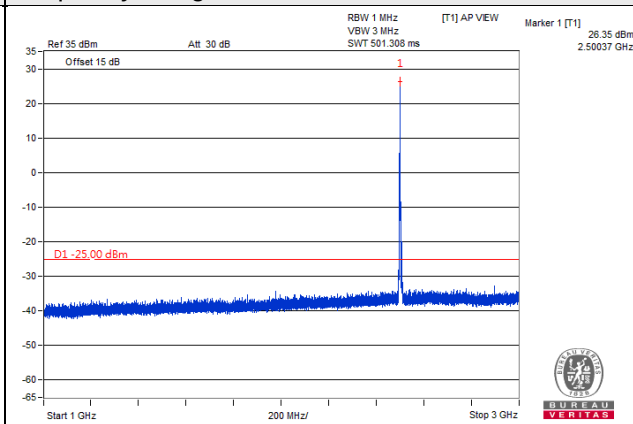
Channel Band width: 5MHz

Channel 20775(2502.5MHz)

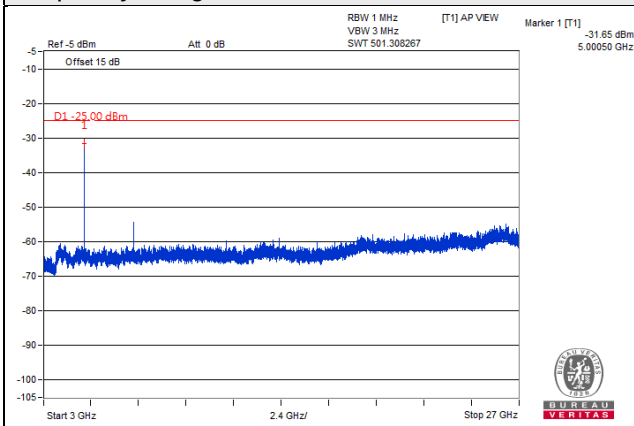
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~3GHz



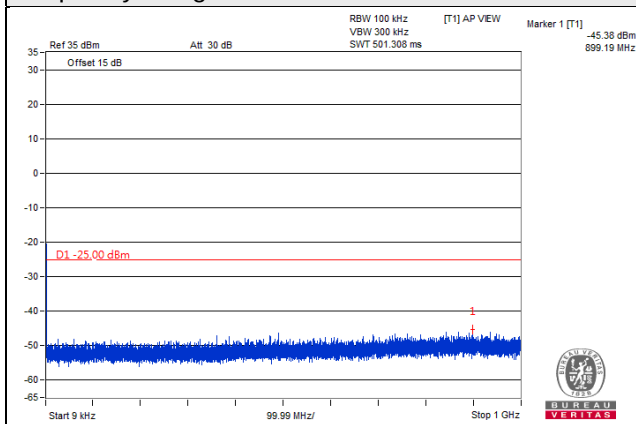
Frequency Range : 3GHz~27GHz



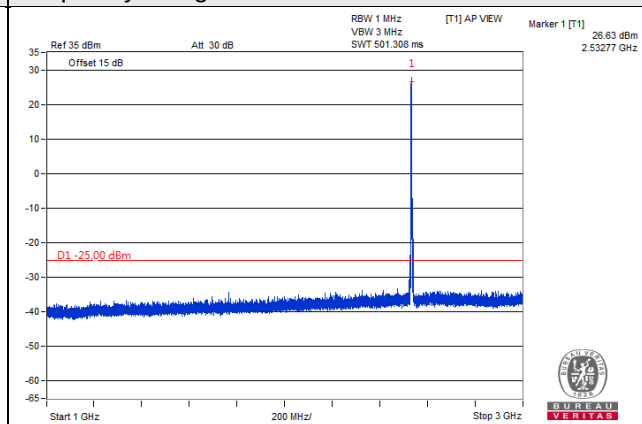
Channel Band width: 5MHz

Channel 21100(2535MHz)

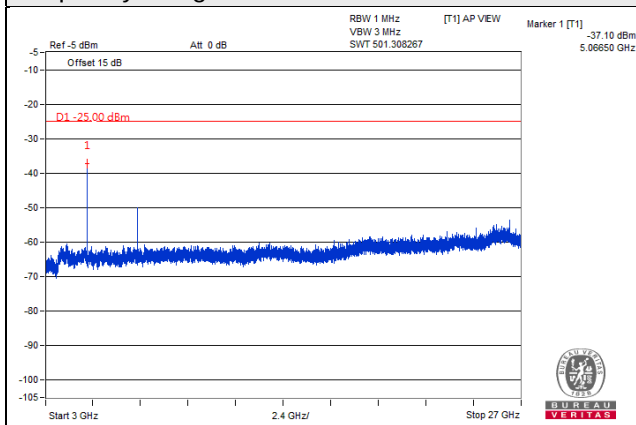
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~3GHz



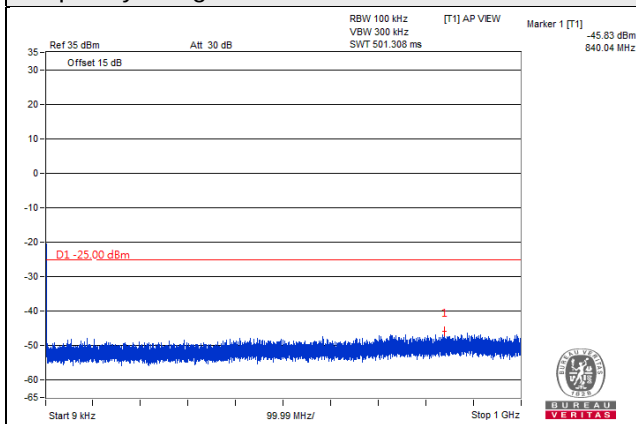
Frequency Range : 3GHz~27GHz



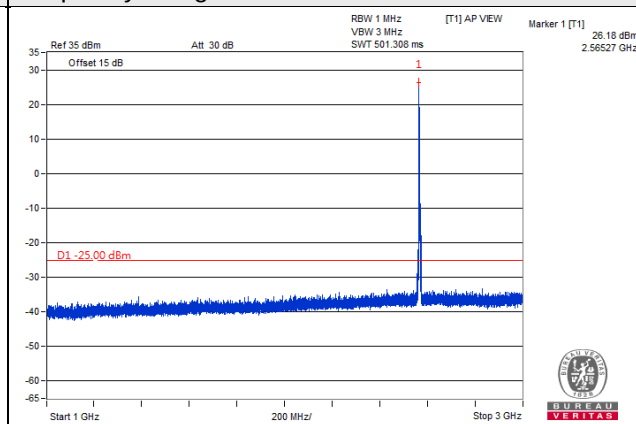
Channel Band width: 5MHz

Channel 21425(2567.5MHz)

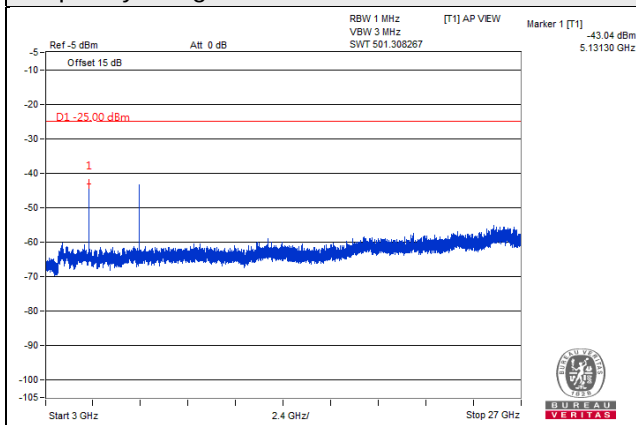
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~3GHz



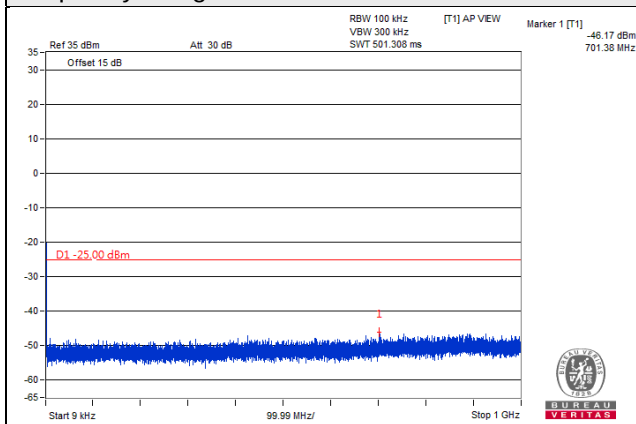
Frequency Range : 3GHz~27GHz



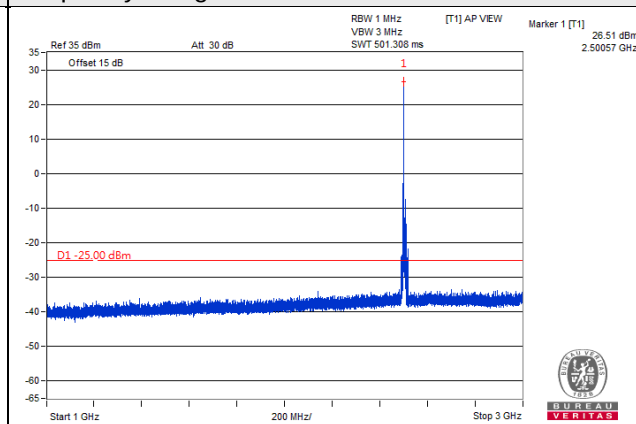
Channel Band width: 10MHz

Channel 20800(2505MHz)

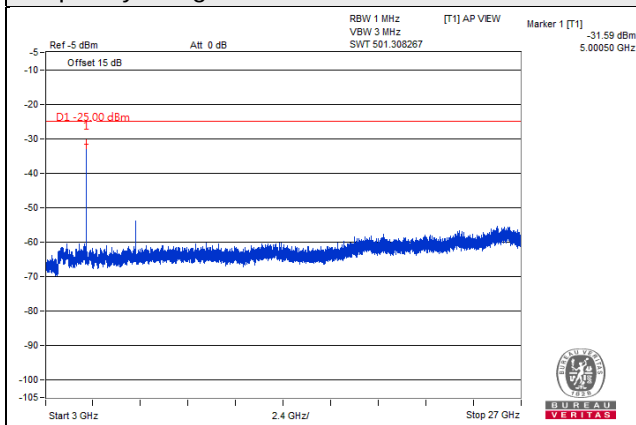
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~3GHz



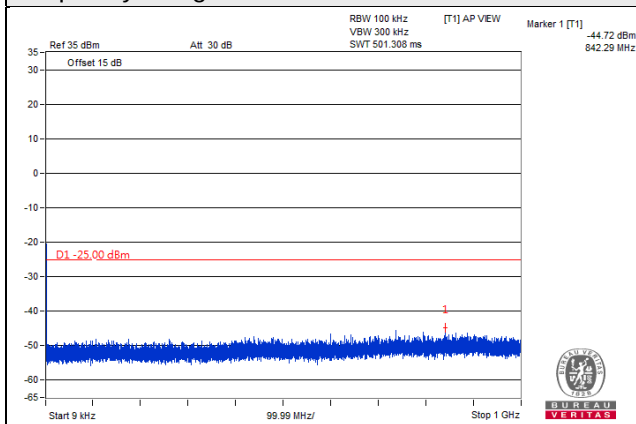
Frequency Range : 3GHz~27GHz



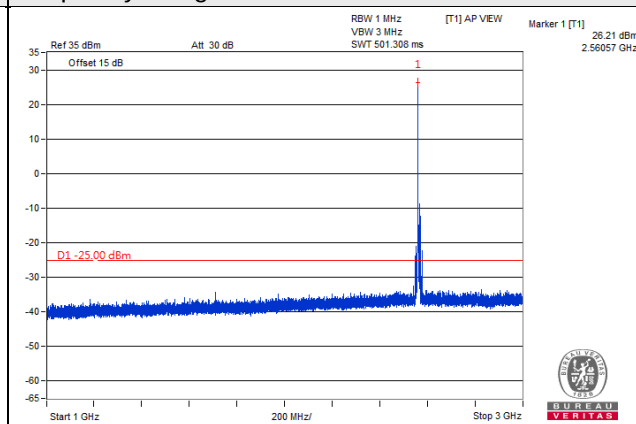
Channel Band width: 10MHz

Channel 21100(2535MHz)

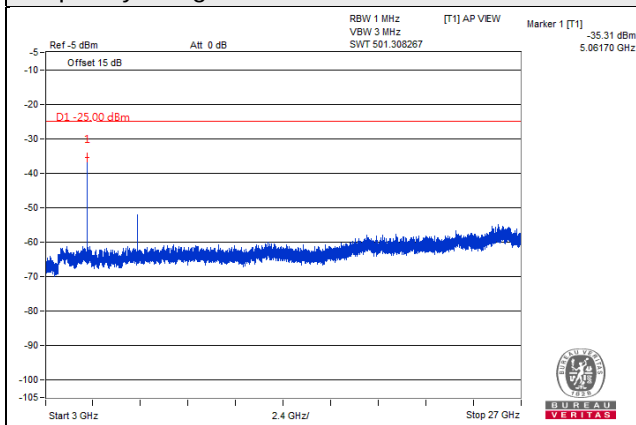
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~3GHz



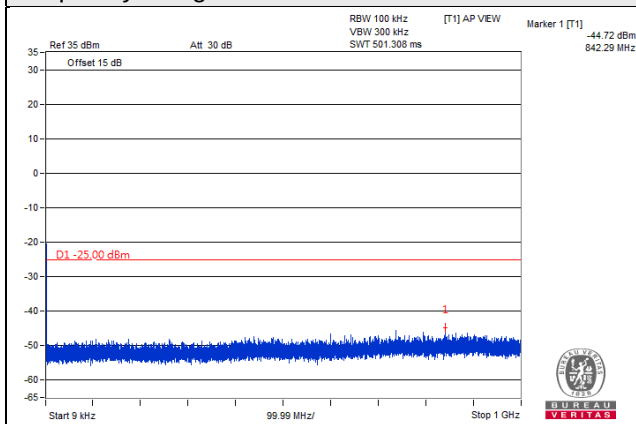
Frequency Range : 3GHz~27GHz



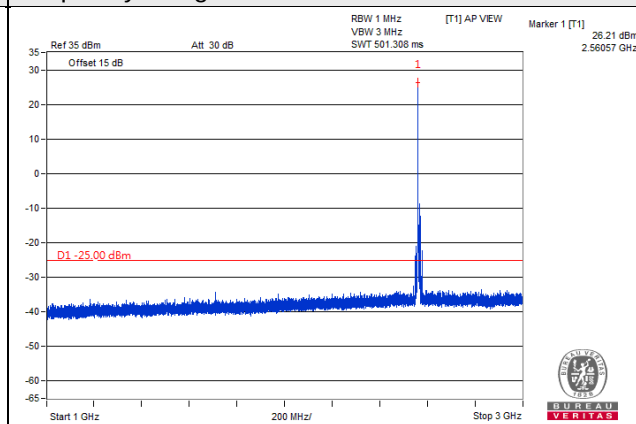
Channel Band width: 10MHz

Channel 21400(2565MHz)

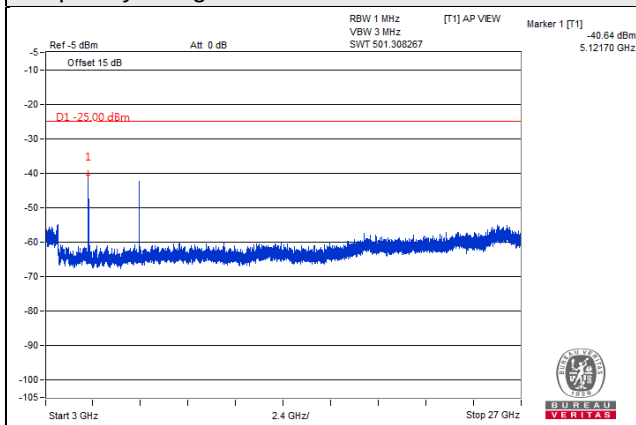
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~3GHz



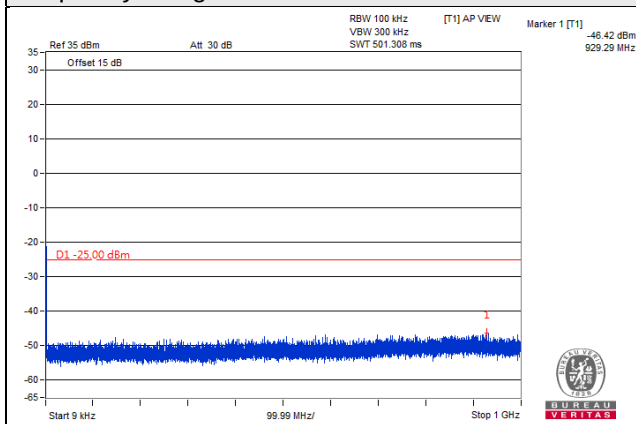
Frequency Range : 3GHz~27GHz



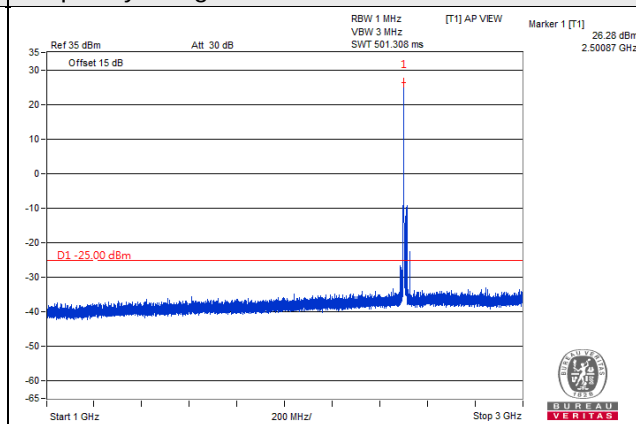
Channel Band width: 15MHz

Channel 20825(2507.5MHz)

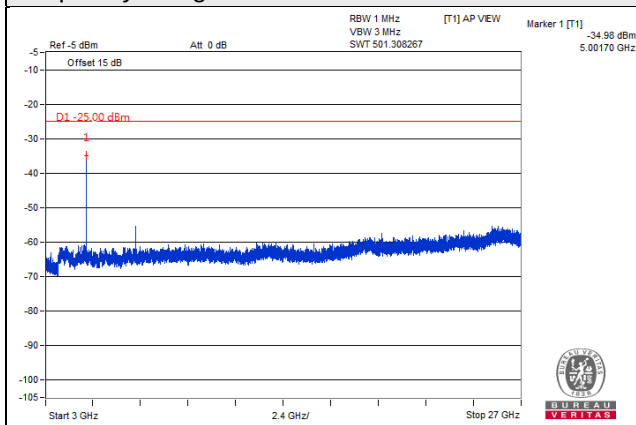
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~3GHz



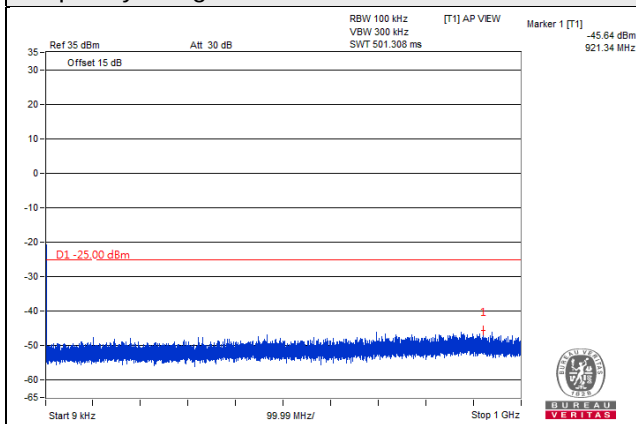
Frequency Range : 3GHz~27GHz



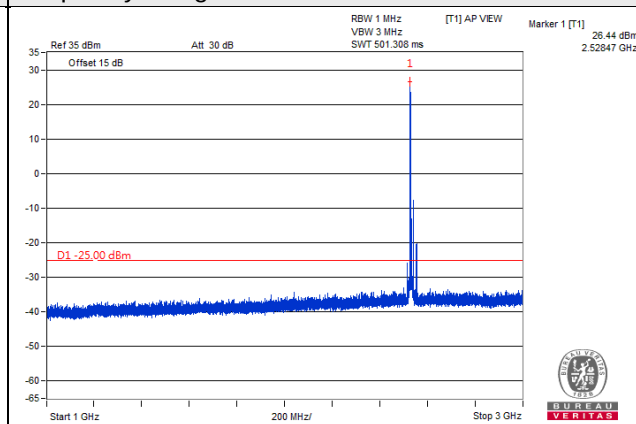
Channel Band width: 15MHz

Channel 21100(2535MHz)

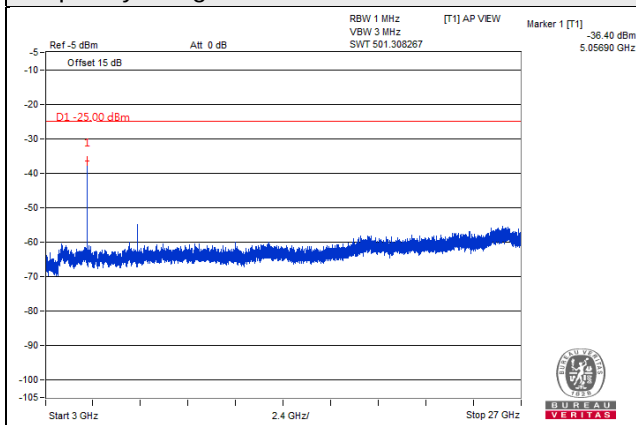
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~3GHz



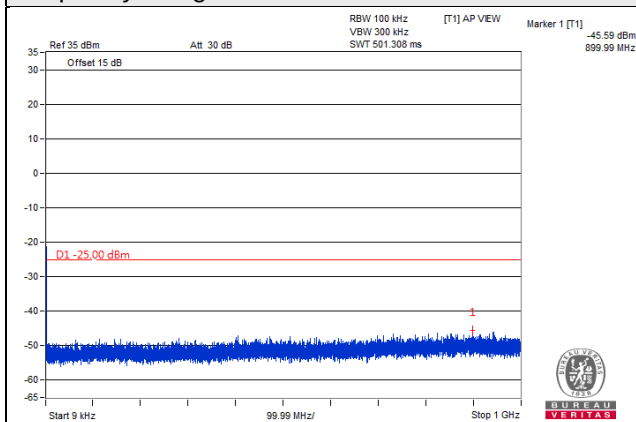
Frequency Range : 3GHz~27GHz



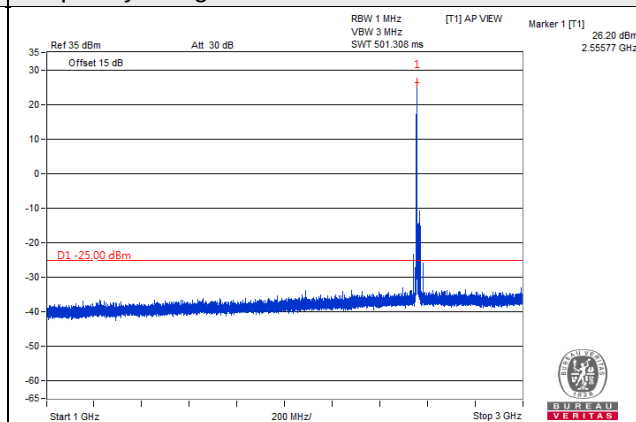
Channel Band width: 15MHz

Channel 21375(2562.5MHz)

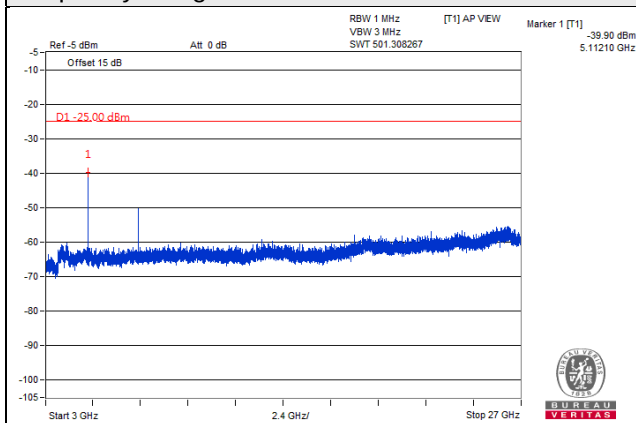
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~3GHz



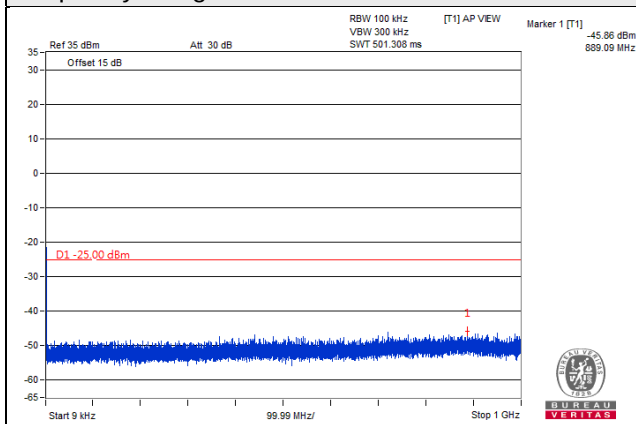
Frequency Range : 3GHz~27GHz



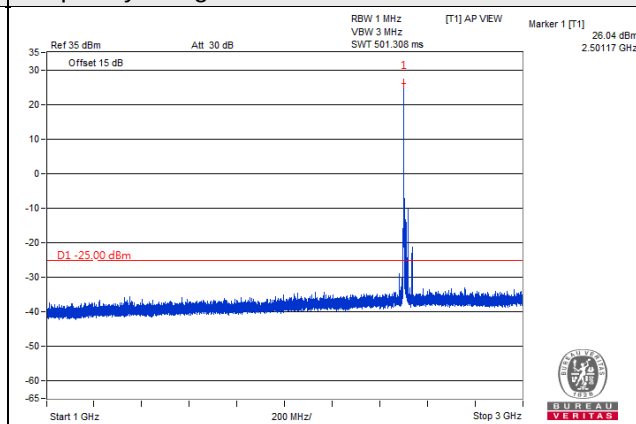
Channel Band width: 20MHz

Channel 20850(2510MHz)

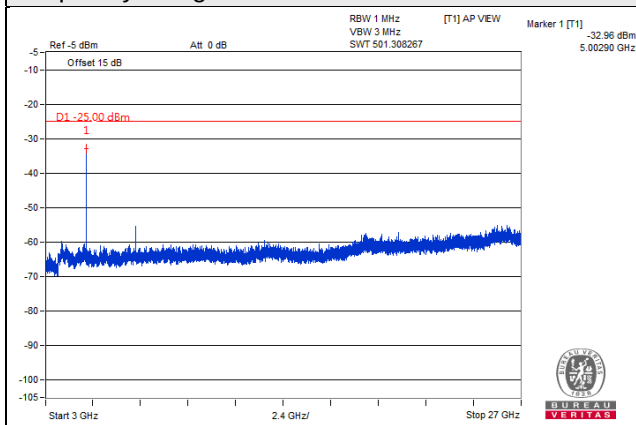
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~3GHz



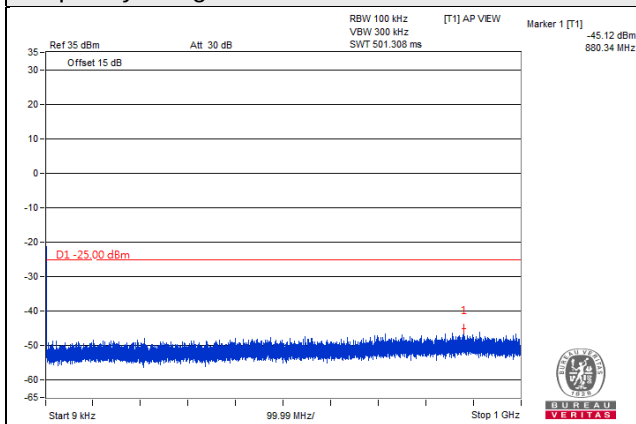
Frequency Range : 3GHz~27GHz



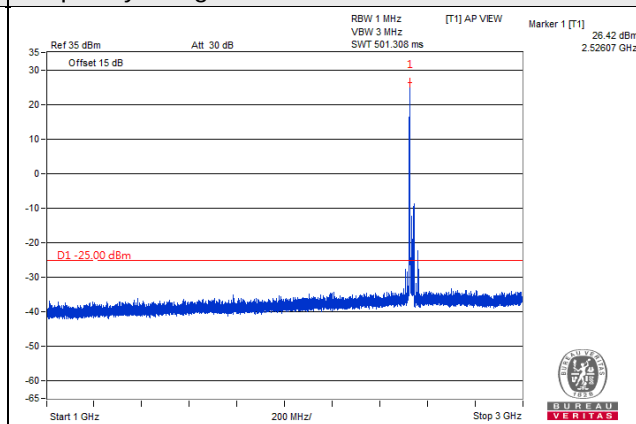
Channel Band width: 20MHz

Channel 21100(2535MHz)

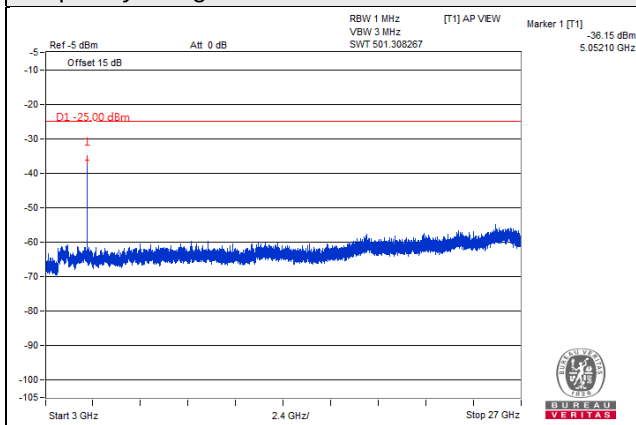
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~3GHz



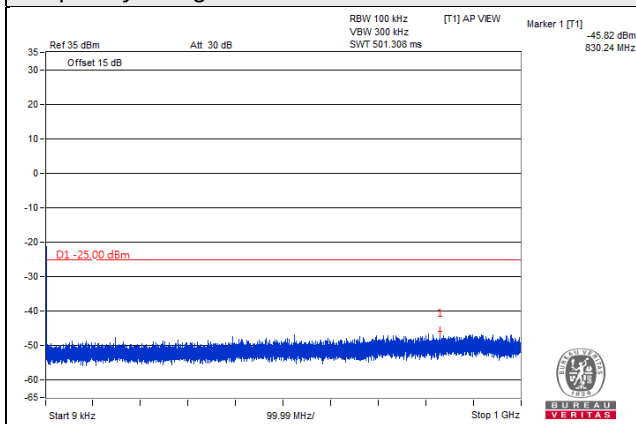
Frequency Range : 3GHz~27GHz



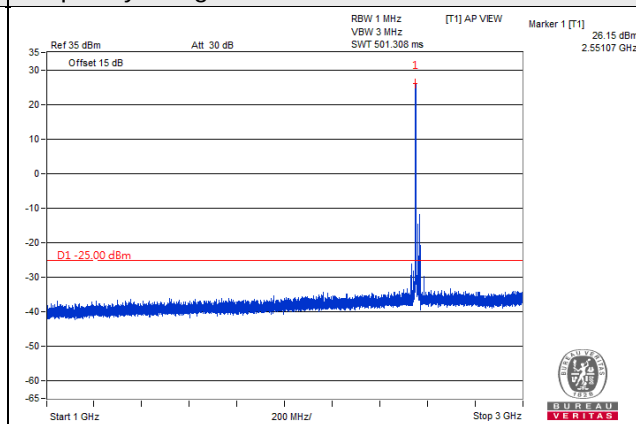
Channel Band width: 20MHz

Channel 21350(2560MHz)

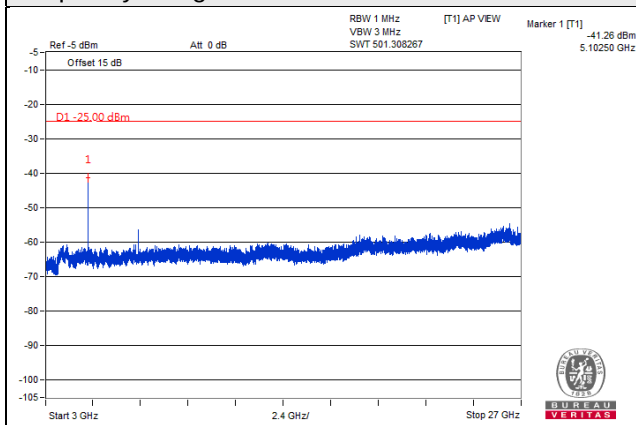
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~3GHz



Frequency Range : 3GHz~27GHz

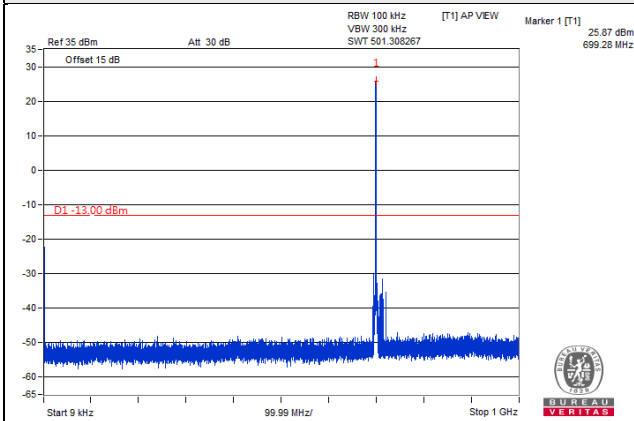


# LTE Band 12

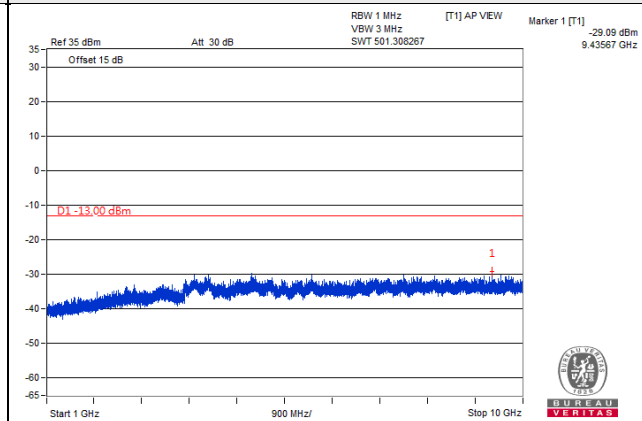
Channel Band width: 1.4MHz

Channel 23017 (699.7MHz)

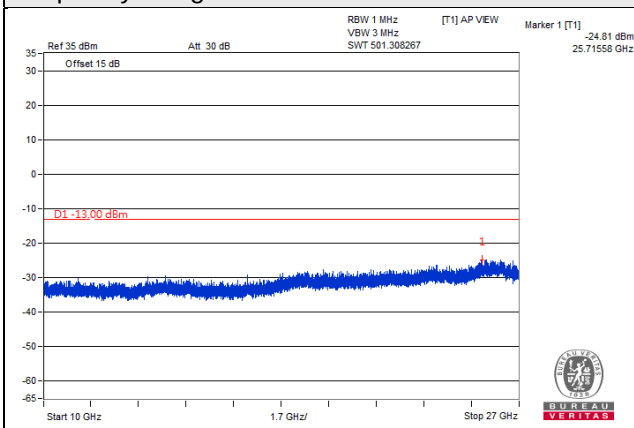
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~10GHz



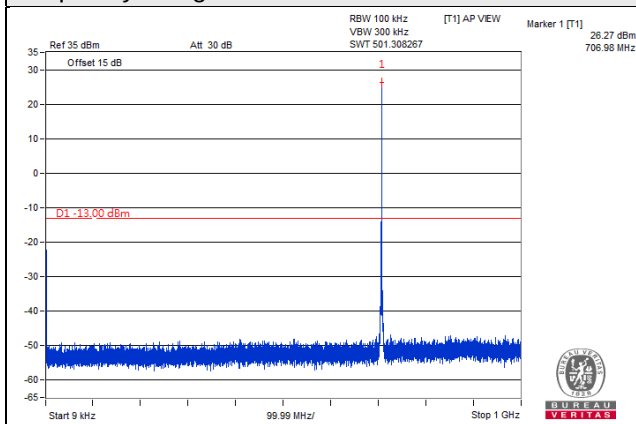
Frequency Range : 10GHz~27GHz



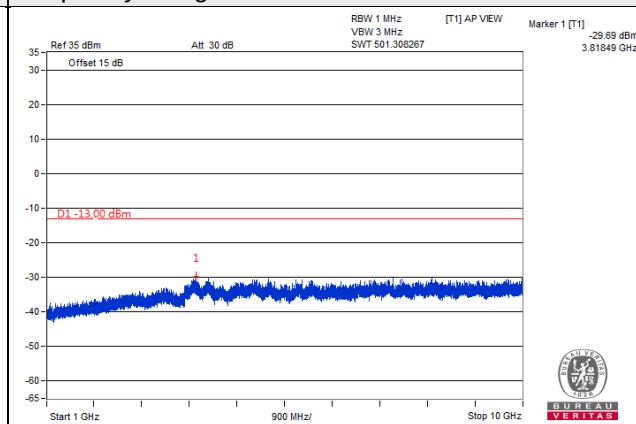
Channel Band width: 1.4MHz

Channel 23095 (707.5MHz)

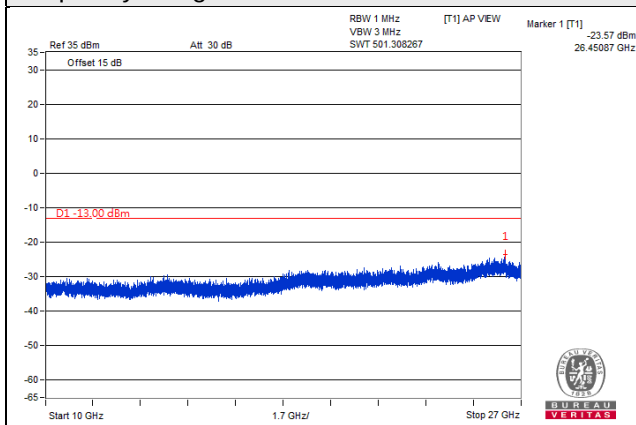
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~10GHz



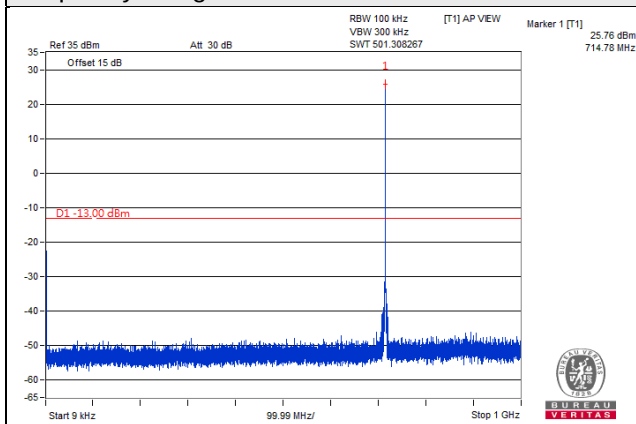
Frequency Range : 10GHz~27GHz



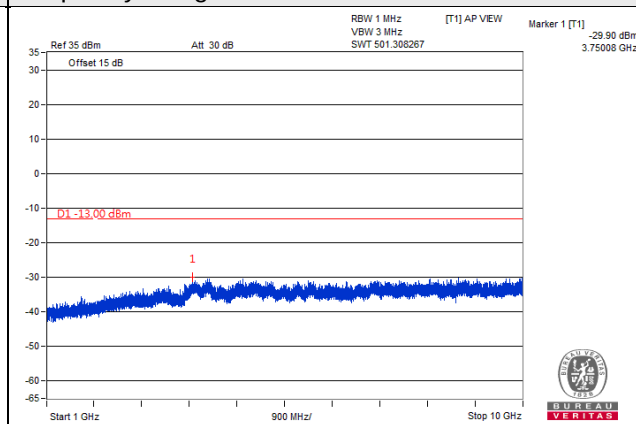
Channel Band width: 1.4MHz

Channel 23173 (715.3MHz)

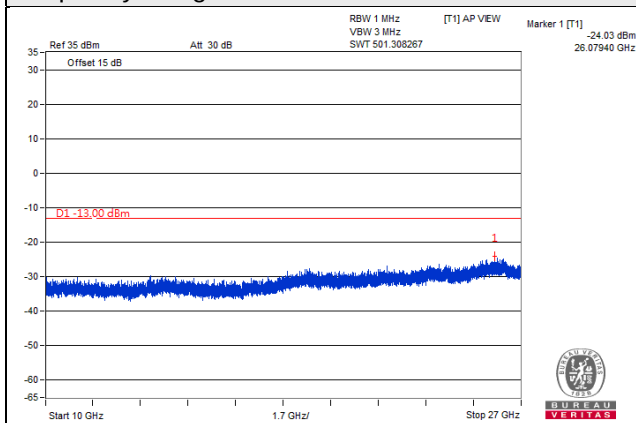
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~10GHz



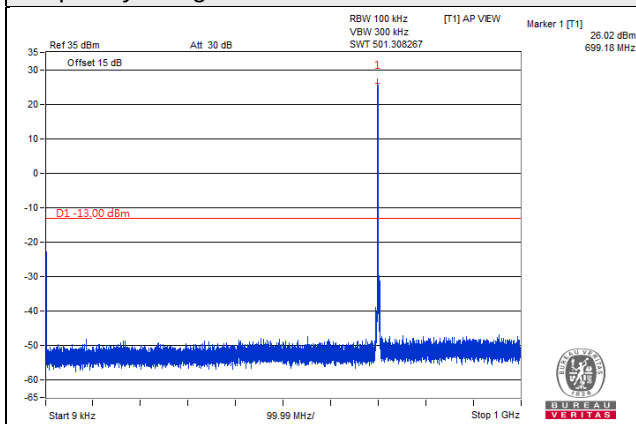
Frequency Range : 10GHz~27GHz



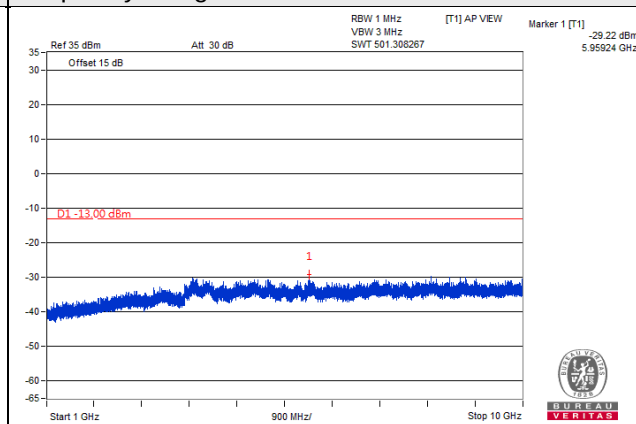
Channel Band width: 3MHz

Channel 23025 (700.5MHz)

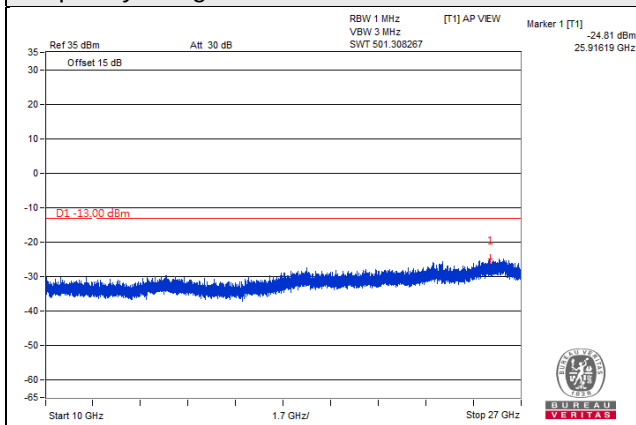
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~10GHz



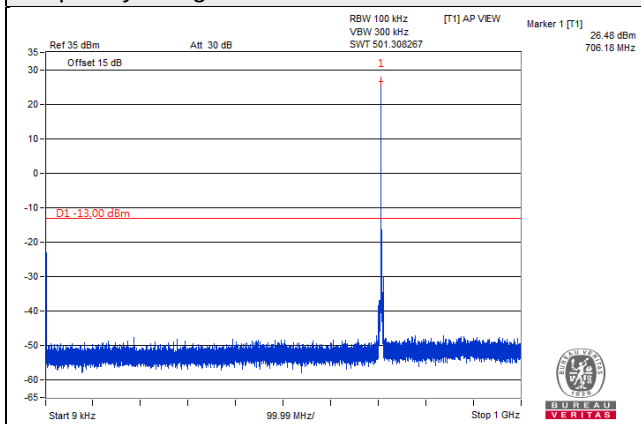
Frequency Range : 10GHz~27GHz



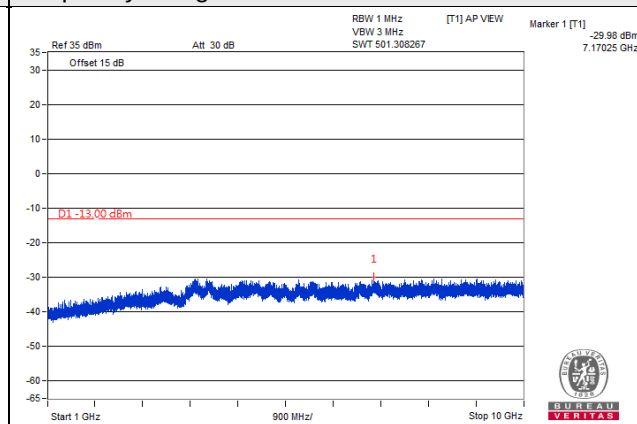
Channel Band width: 3MHz

Channel 23095 (707.5MHz)

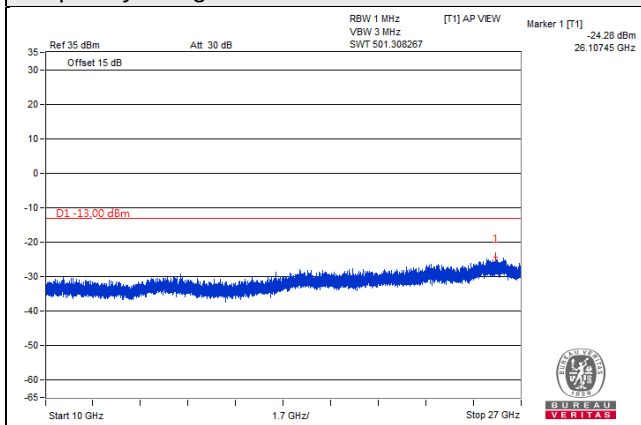
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~10GHz



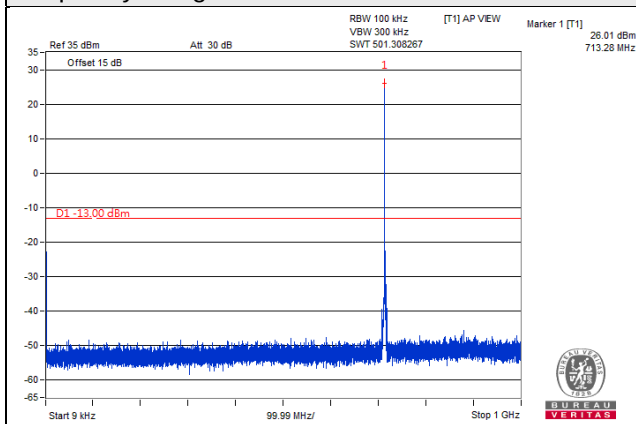
Frequency Range : 10GHz~27GHz



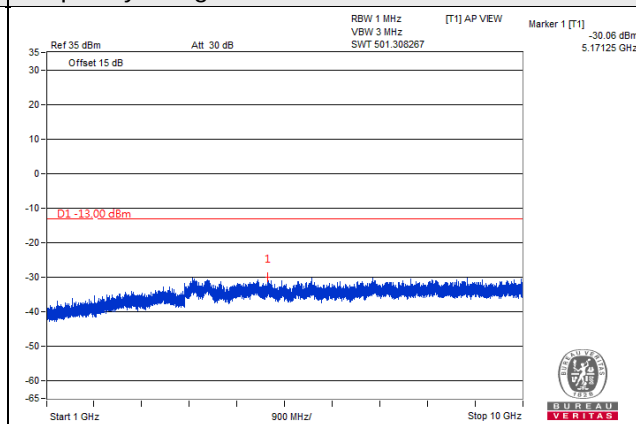
Channel Band width: 3MHz

Channel 23165 (714.5MHz)

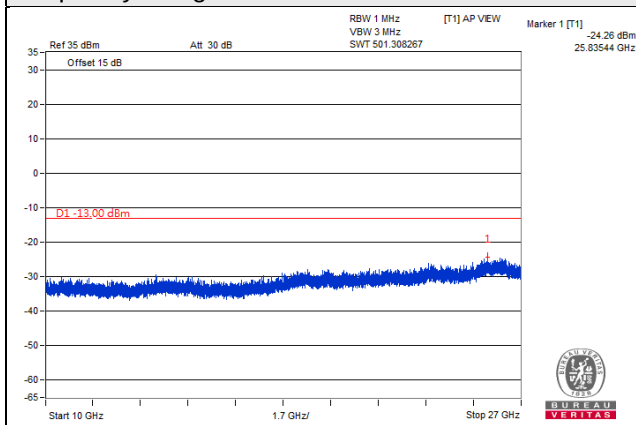
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~10GHz



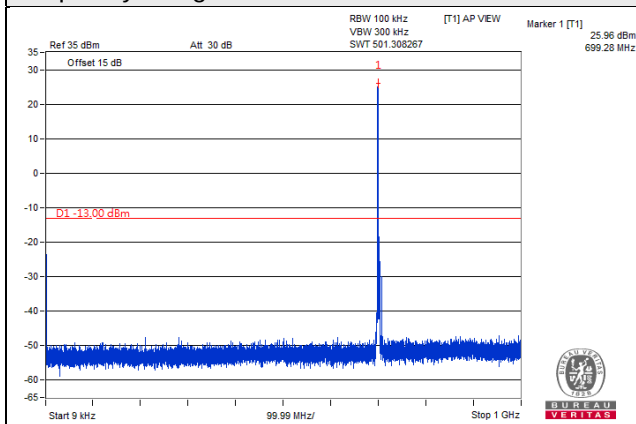
Frequency Range : 10GHz~27GHz



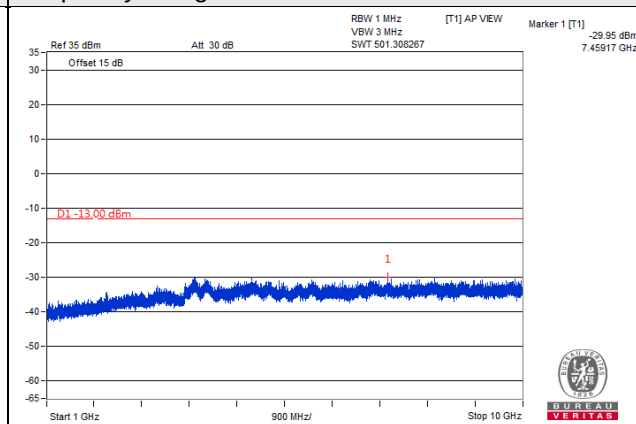
Channel Band width: 5MHz

Channel 23035 (701.5MHz)

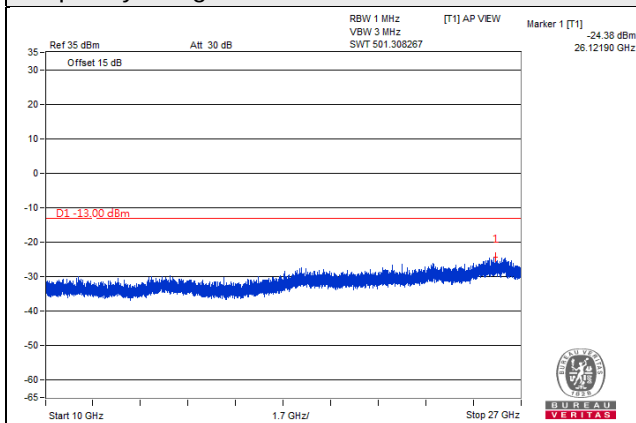
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~10GHz



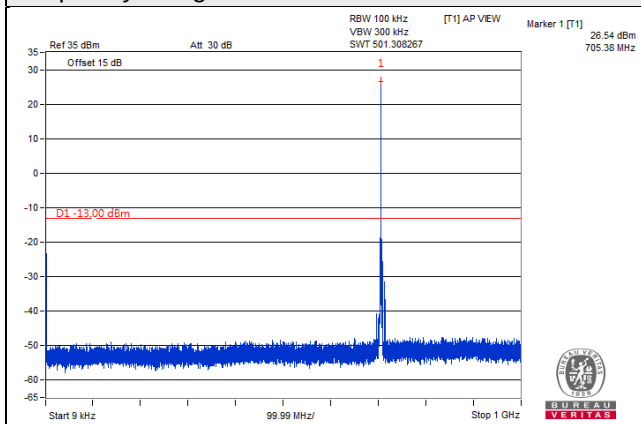
Frequency Range : 10GHz~27GHz



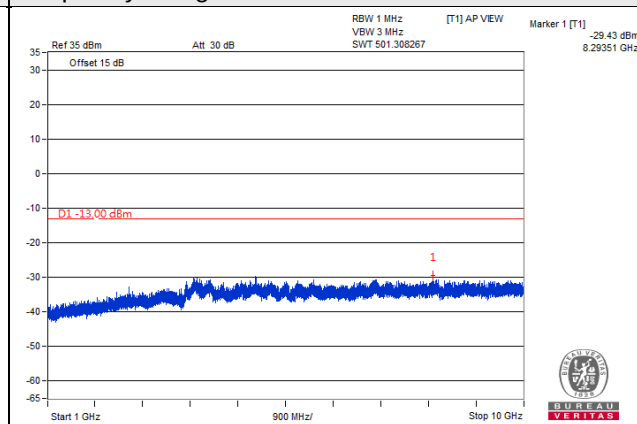
Channel Band width: 5MHz

Channel 23095 (707.5MHz)

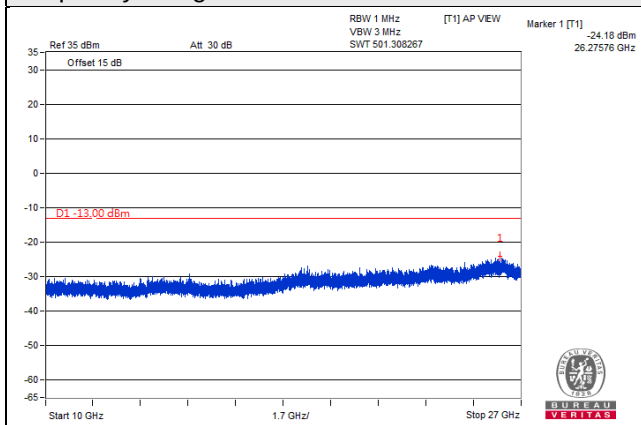
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~10GHz



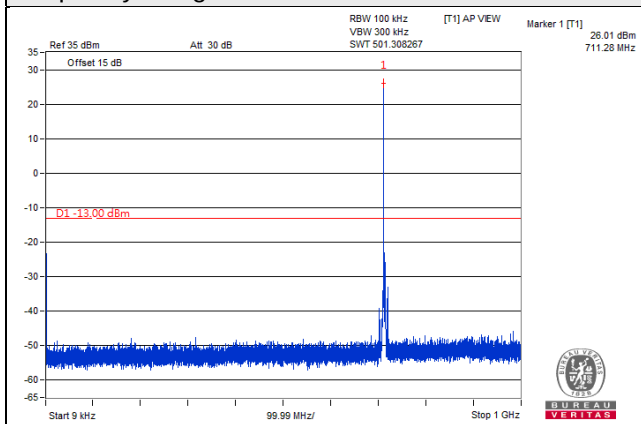
Frequency Range : 10GHz~27GHz



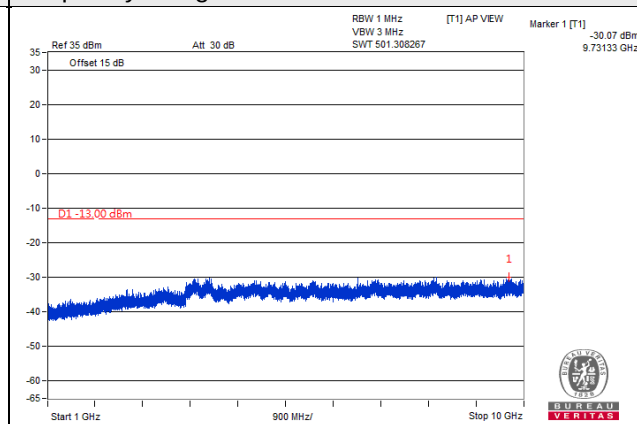
Channel Band width: 5MHz

Channel 23155 (713.5MHz)

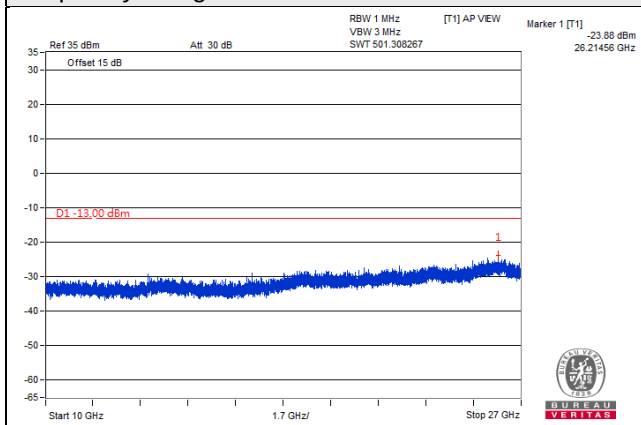
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~10GHz



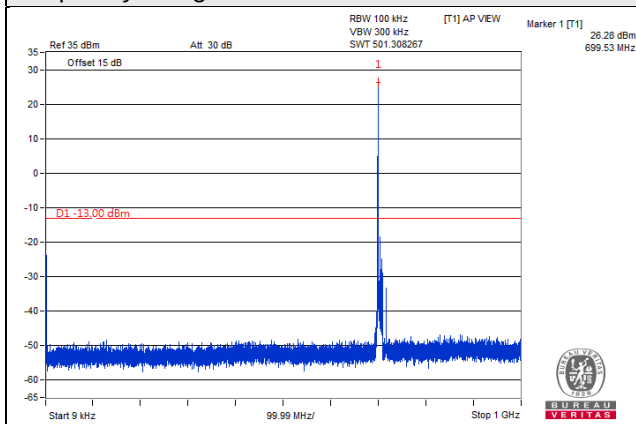
Frequency Range : 10GHz~27GHz



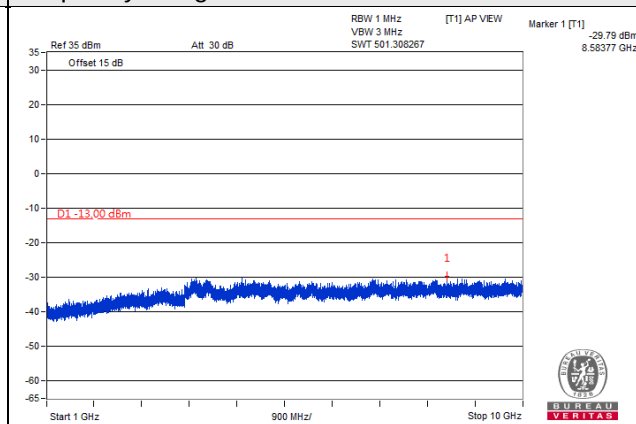
Channel Band width: 10MHz

Channel 23060 (704MHz)

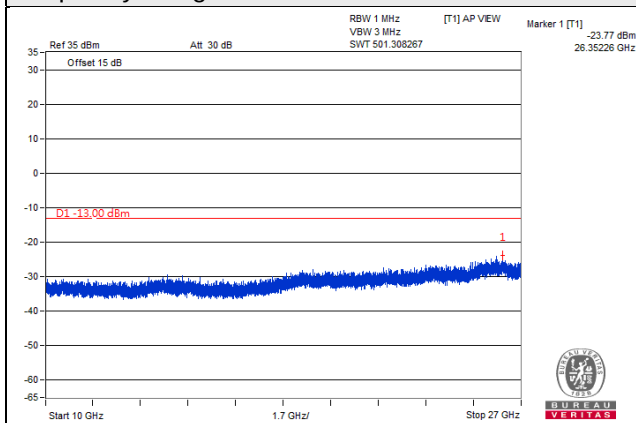
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~10GHz



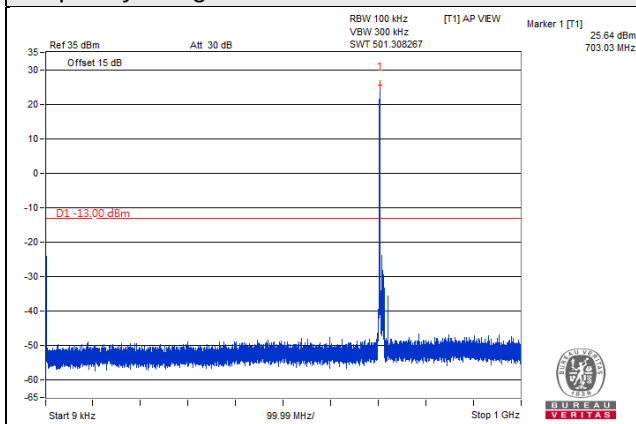
Frequency Range : 10GHz~27GHz



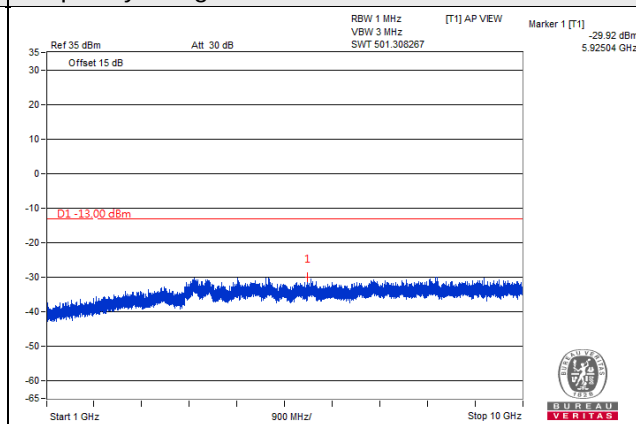
Channel Band width: 10MHz

Channel 23095 (707.5MHz)

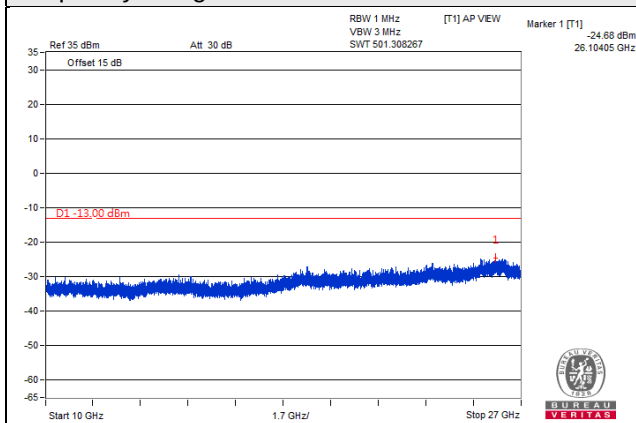
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~10GHz



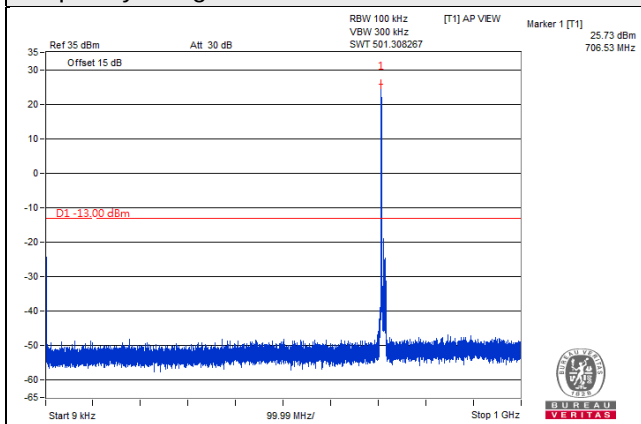
Frequency Range : 10GHz~27GHz



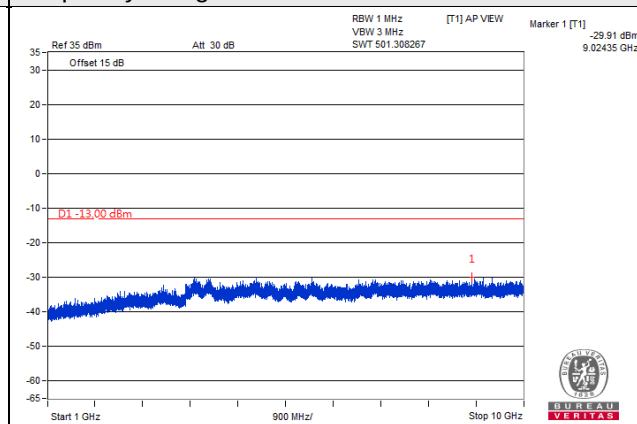
Channel Band width: 10MHz

Channel 23130 (711MHz)

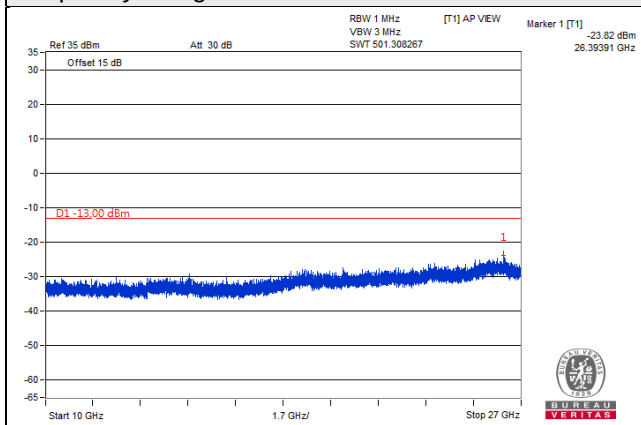
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~10GHz



Frequency Range : 10GHz~27GHz

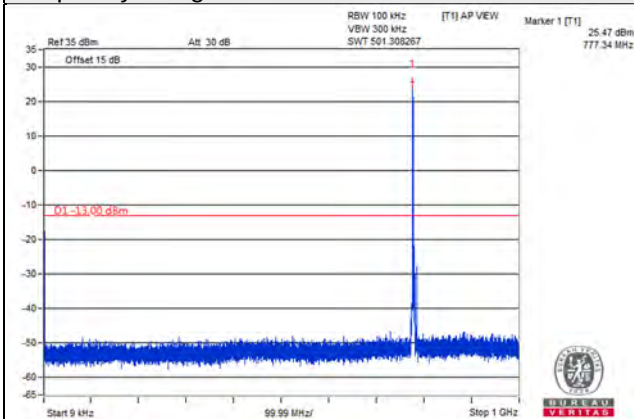


# LTE Band 13

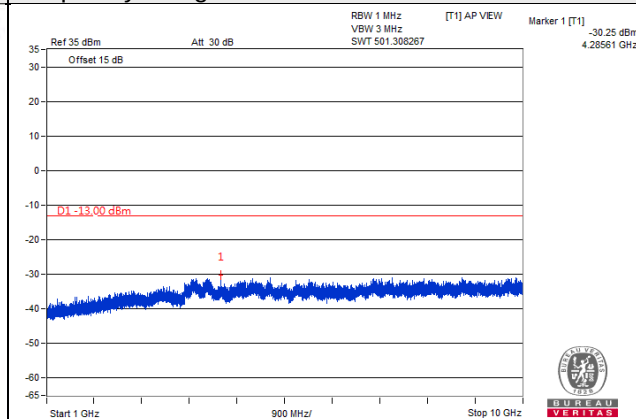
Channel Bandwidth: 5MHz

Channel 23205 (779.5MHz)

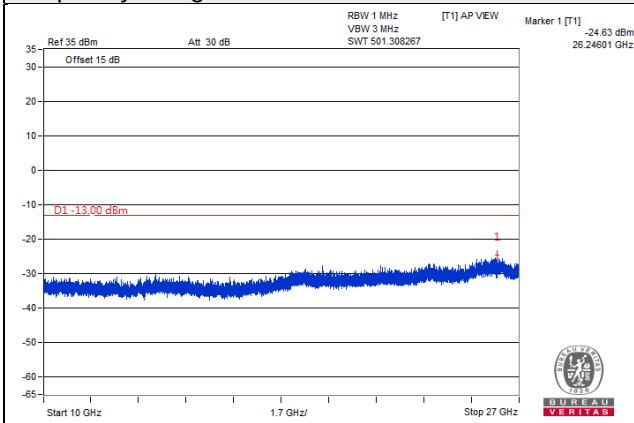
Frequency Range : 9kHz~1GHz

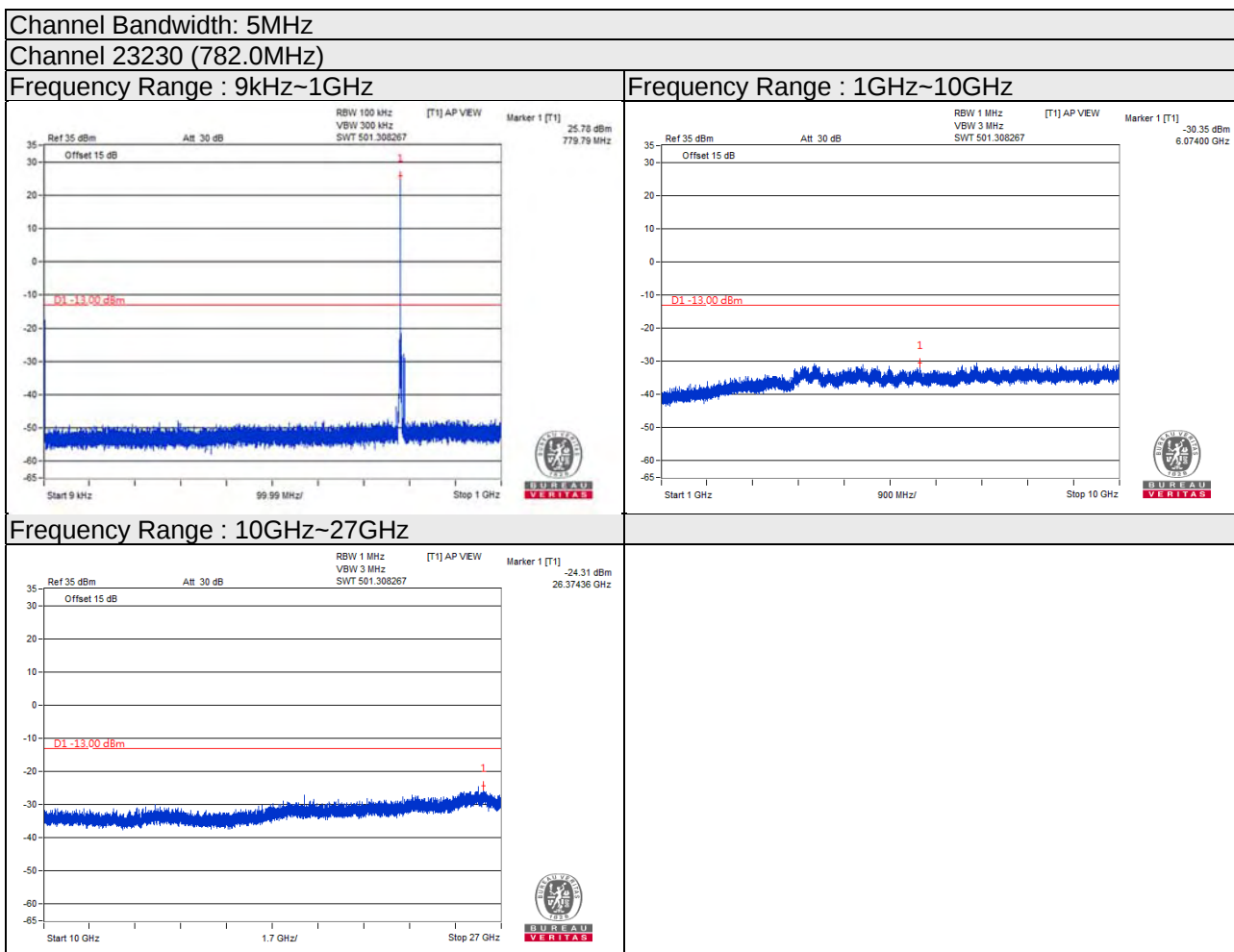


Frequency Range : 1GHz~10GHz



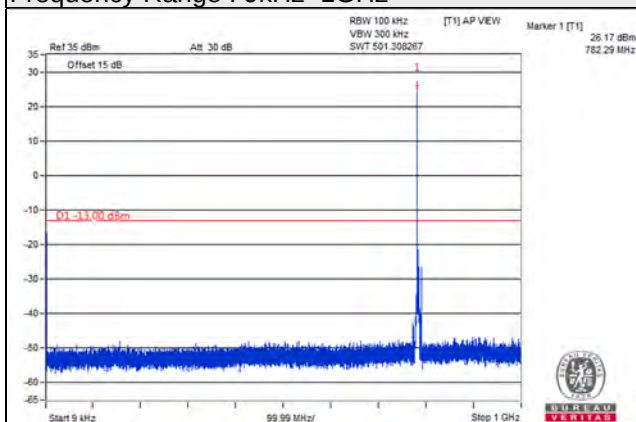
Frequency Range : 10GHz~27GHz



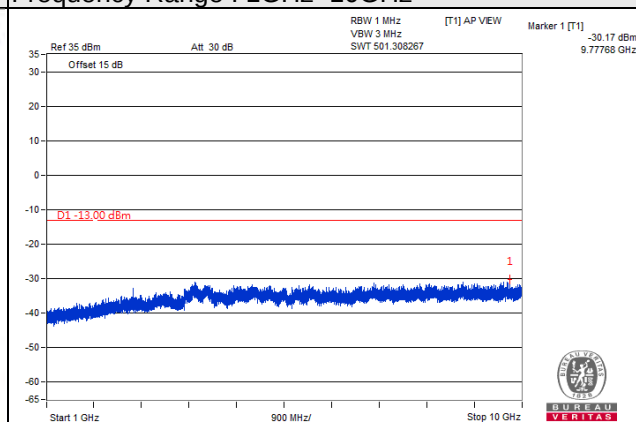


Channel Bandwidth: 5MHz  
Channel 23255 (784.5MHz)

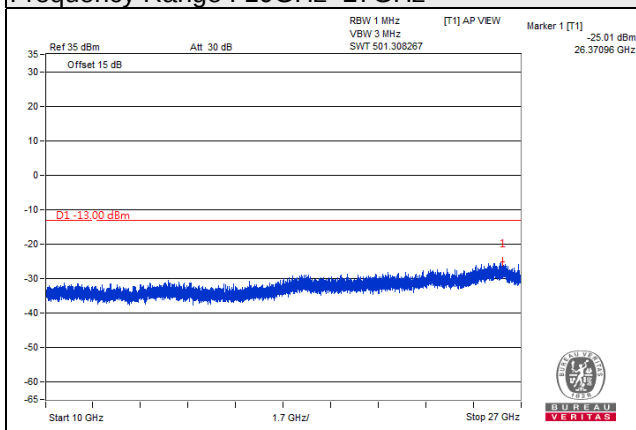
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~10GHz



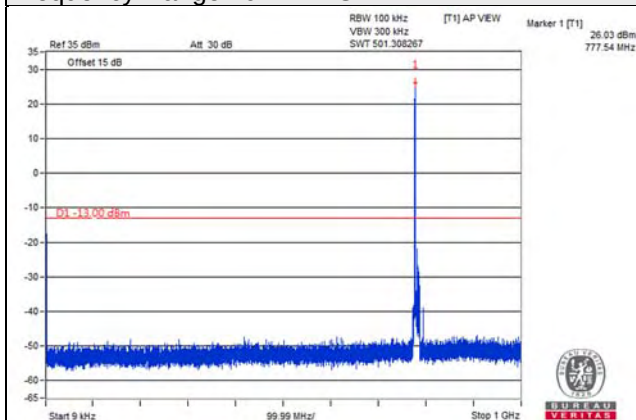
Frequency Range : 10GHz~27GHz



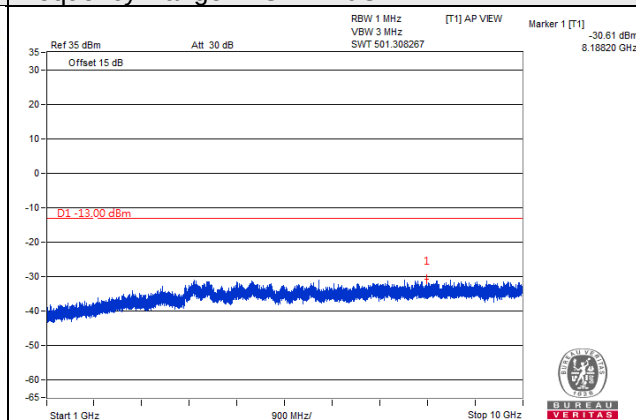
Channel Bandwidth: 10MHz

Channel 23230 (782.0MHz)

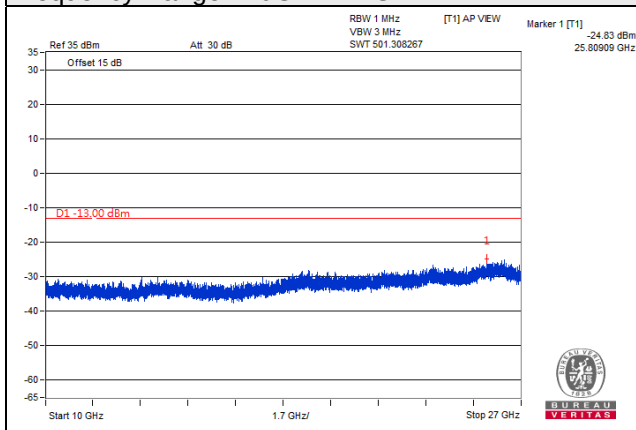
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~10GHz



Frequency Range : 10GHz~27GHz

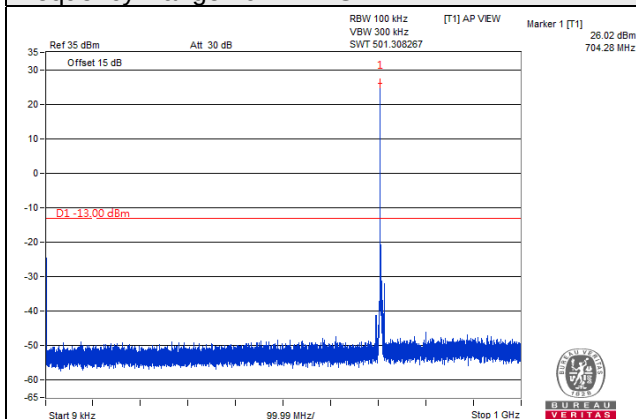


# LTE Band 17

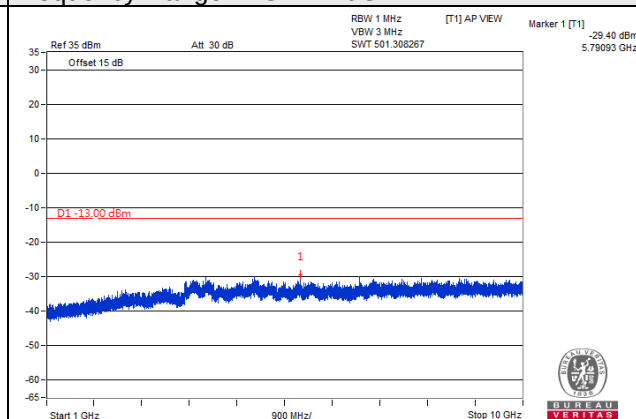
Channel Bandwidth: 5MHz

Channel 23775 (706.5MHz)

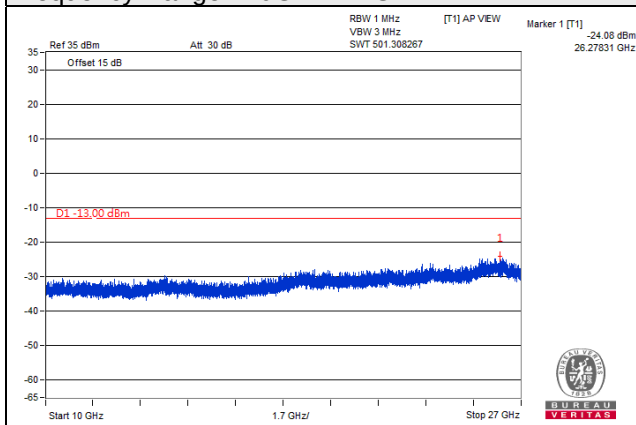
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~10GHz

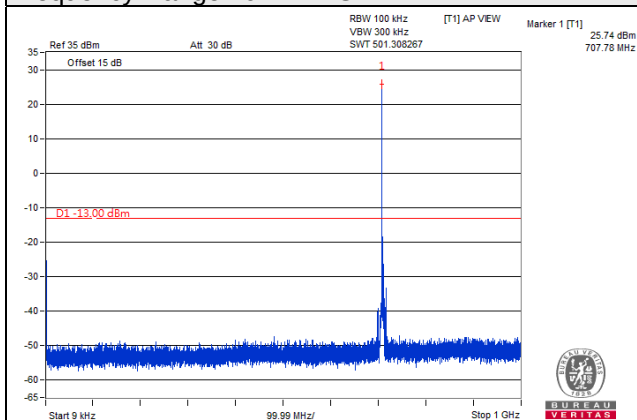


Frequency Range : 10GHz~27GHz

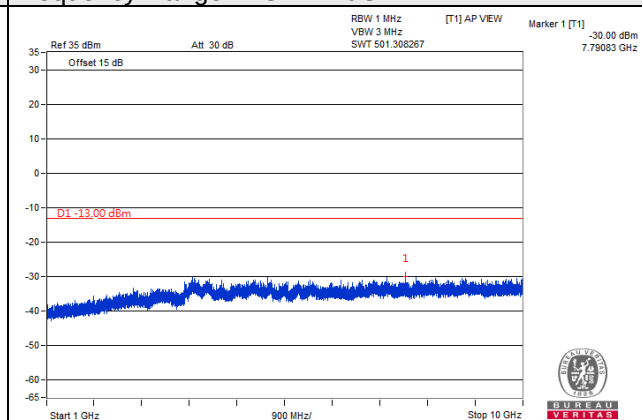


Channel Bandwidth: 5MHz  
Channel 23790 (710.0MHz)

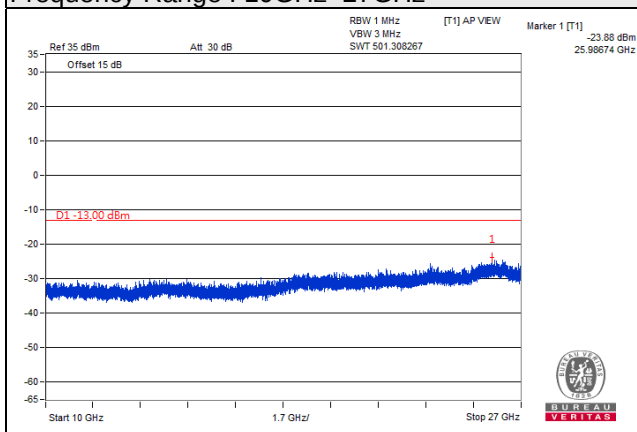
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~10GHz

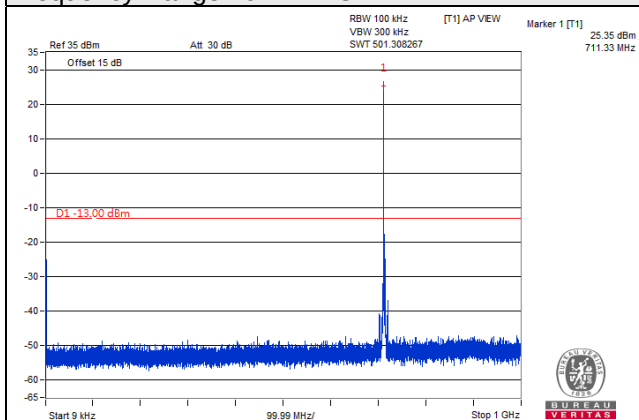


Frequency Range : 10GHz~27GHz

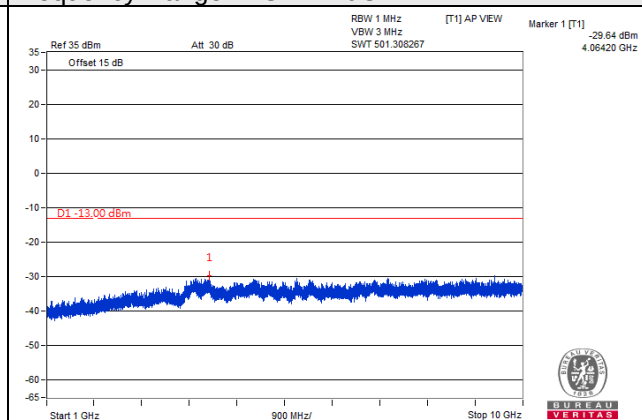


Channel Bandwidth: 5MHz  
Channel 23825 (713.5MHz)

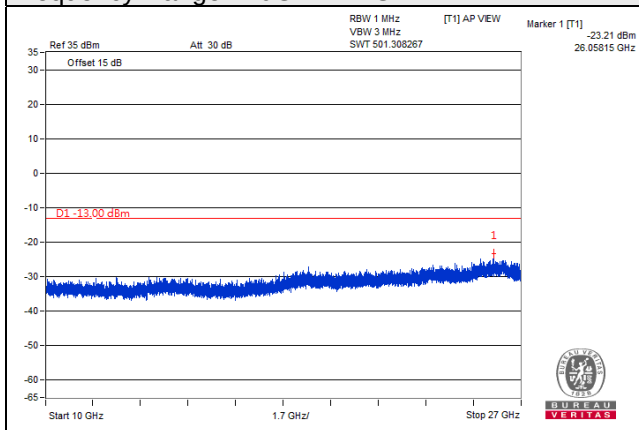
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~10GHz



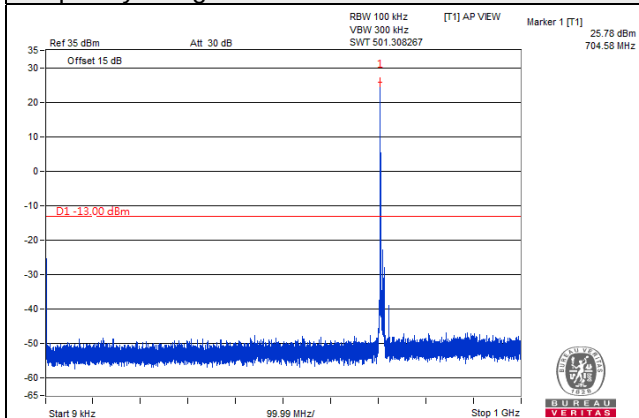
Frequency Range : 10GHz~27GHz



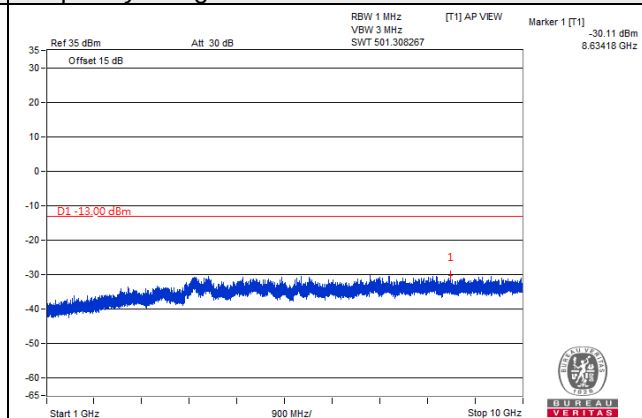
Channel Bandwidth: 10MHz

Channel 23780 (709.0MHz)

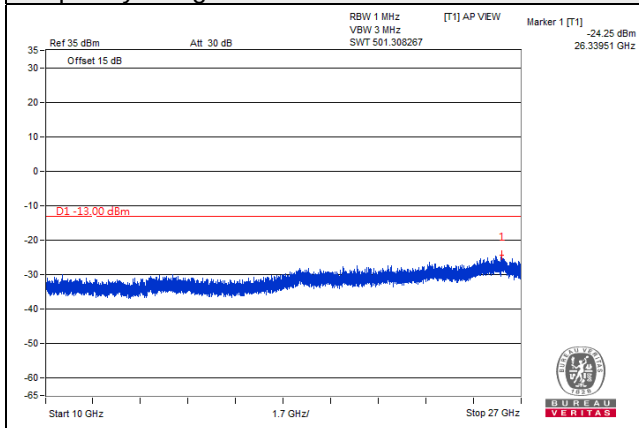
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~10GHz



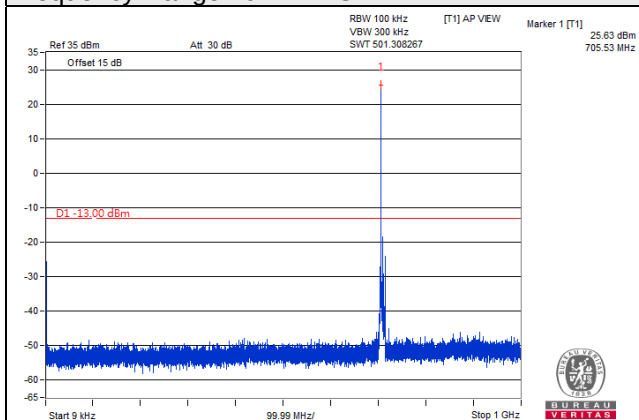
Frequency Range : 10GHz~27GHz



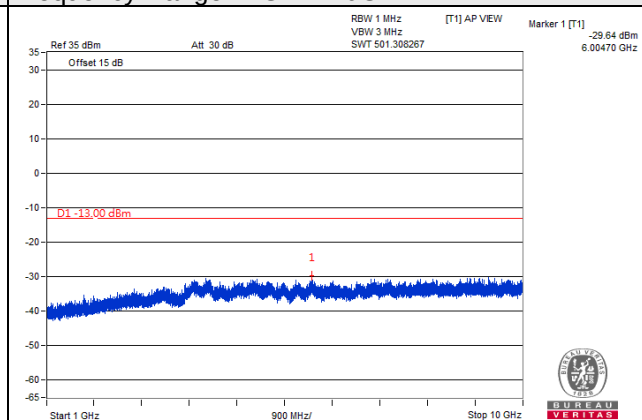
Channel Bandwidth: 10MHz

Channel 23790 (710.0MHz)

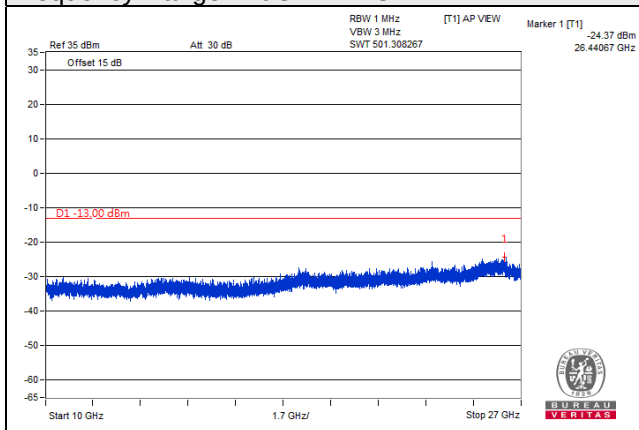
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~10GHz



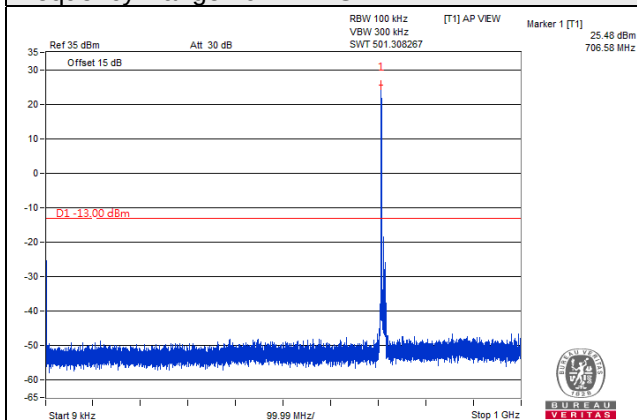
Frequency Range : 10GHz~27GHz



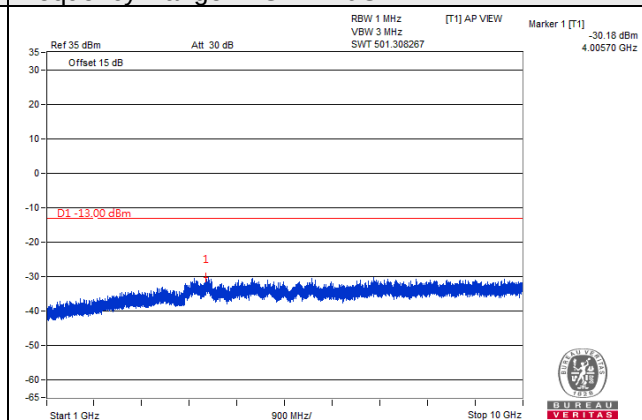
Channel Bandwidth: 10MHz

Channel 23800 (711.0MHz)

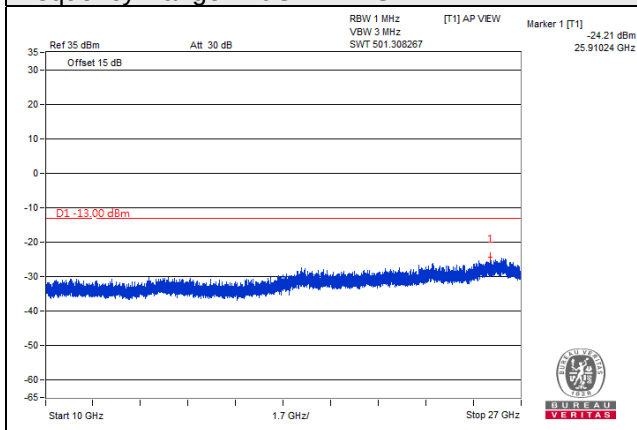
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~10GHz



Frequency Range : 10GHz~27GHz

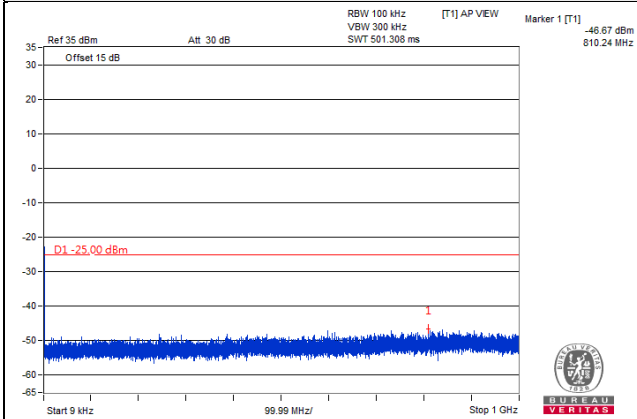


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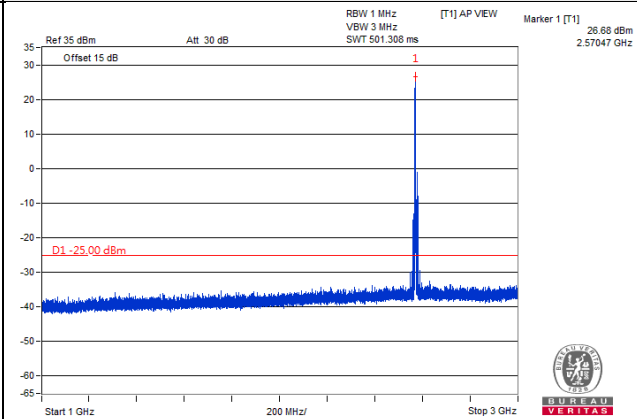
Channel Band width: 5MHz

Channel 37775(2572.5MHz)

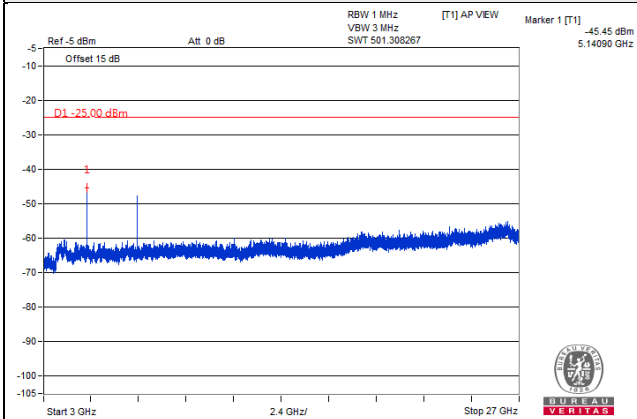
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~3GHz



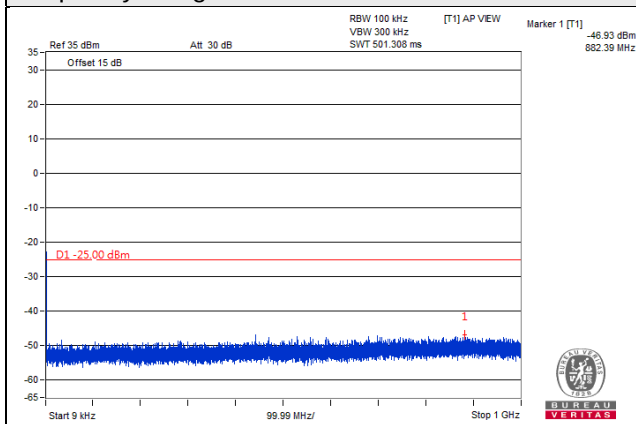
Frequency Range : 3GHz~27GHz



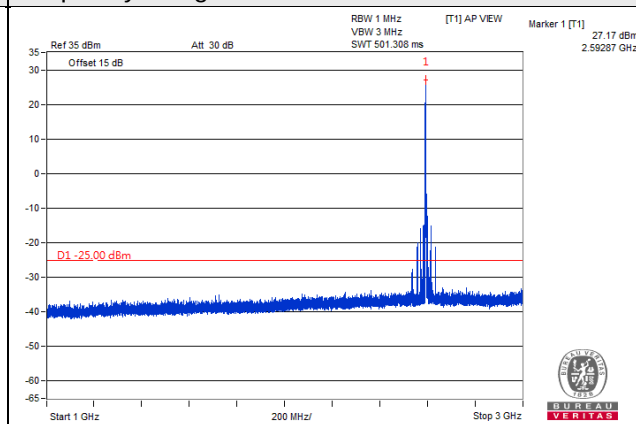
Channel Band width: 5MHz

Channel 38000(2595.0MHz)

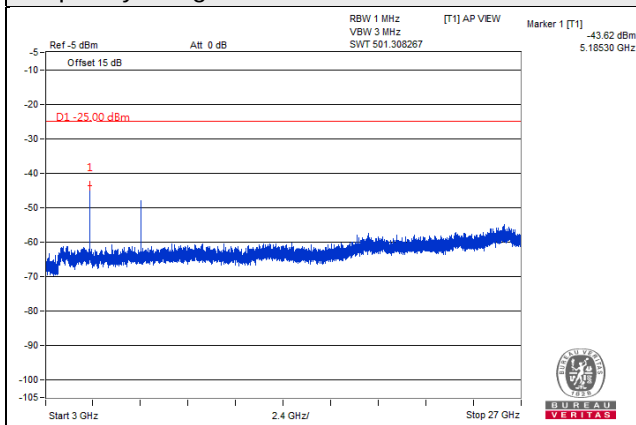
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~3GHz



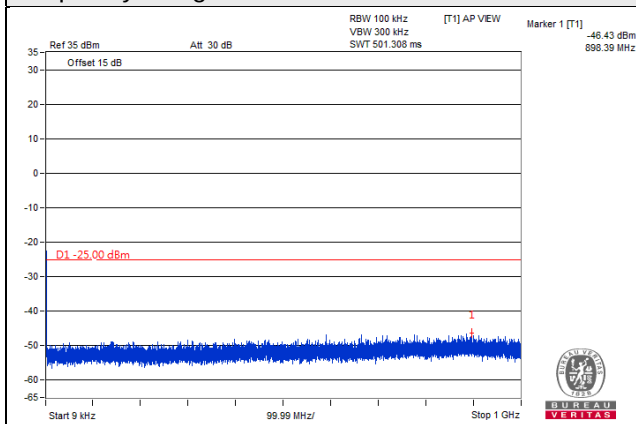
Frequency Range : 3GHz~27GHz



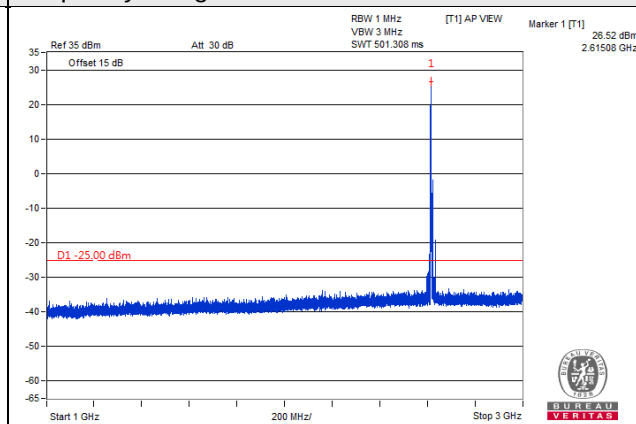
Channel Band width: 5MHz

Channel 38225(2617.5MHz)

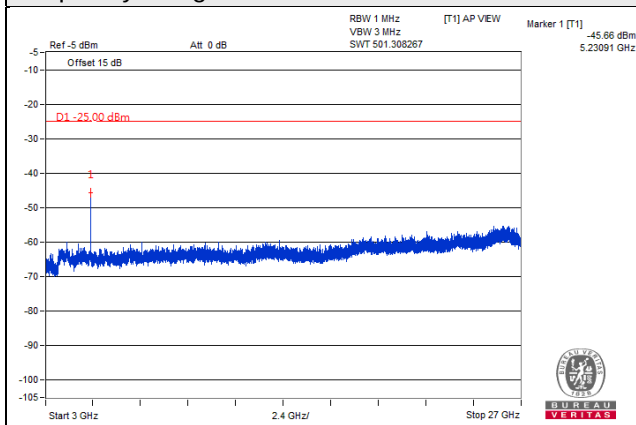
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~3GHz



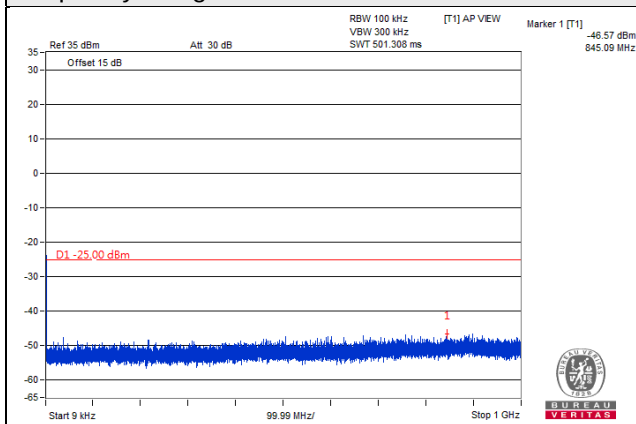
Frequency Range : 3GHz~27GHz



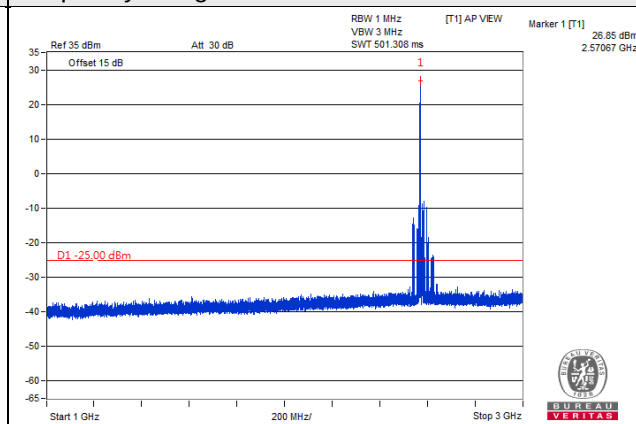
Channel Band width: 10MHz

Channel 37800(2575.0MHz)

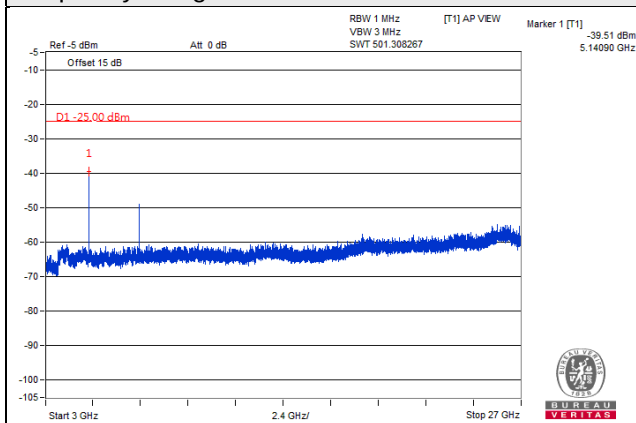
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~3GHz



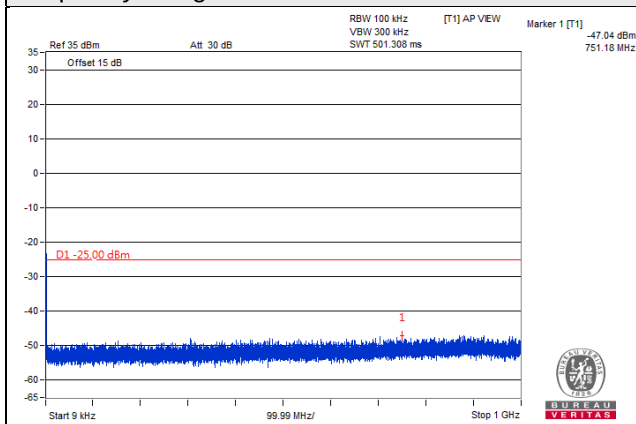
Frequency Range : 3GHz~27GHz



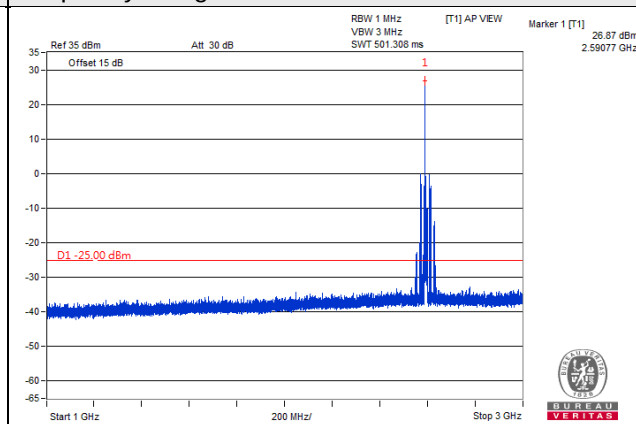
Channel Band width: 10MHz

Channel 38000(2595.0MHz)

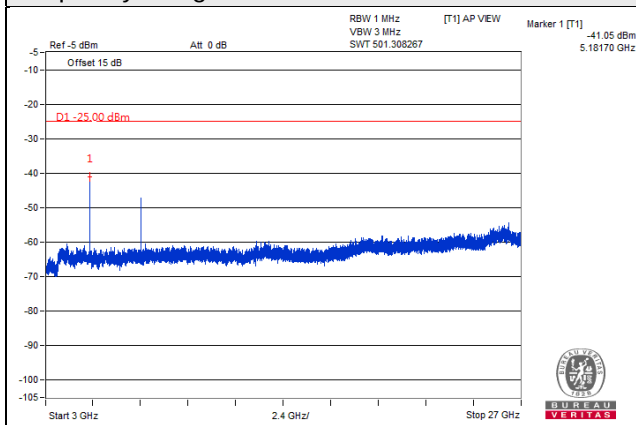
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~3GHz



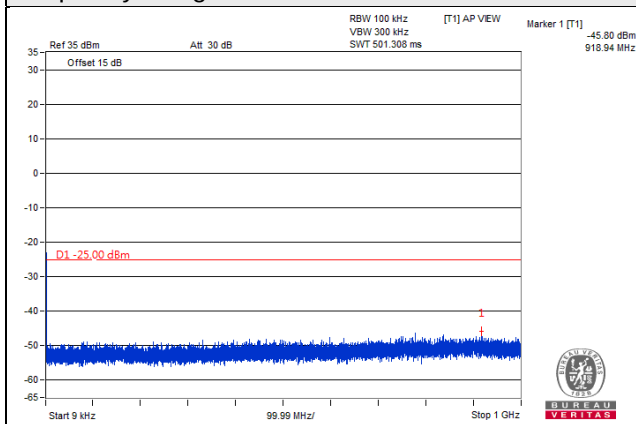
Frequency Range : 3GHz~27GHz



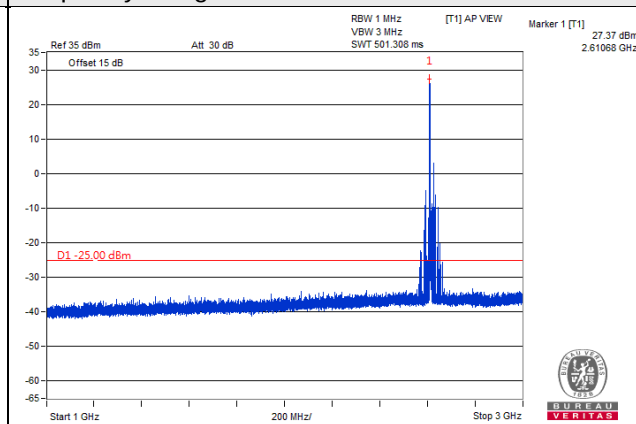
Channel Band width: 10MHz

Channel 38200(2615.0MHz)

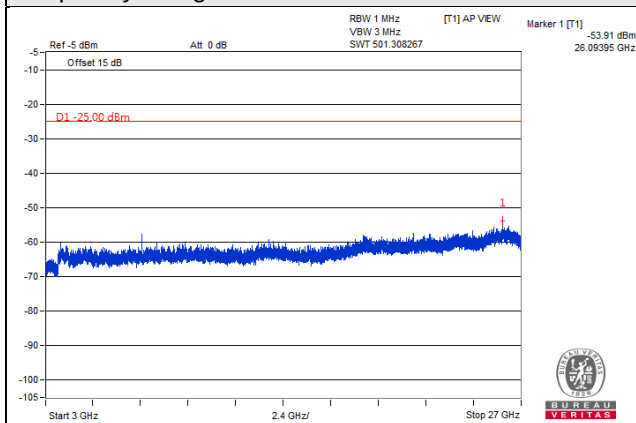
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~3GHz



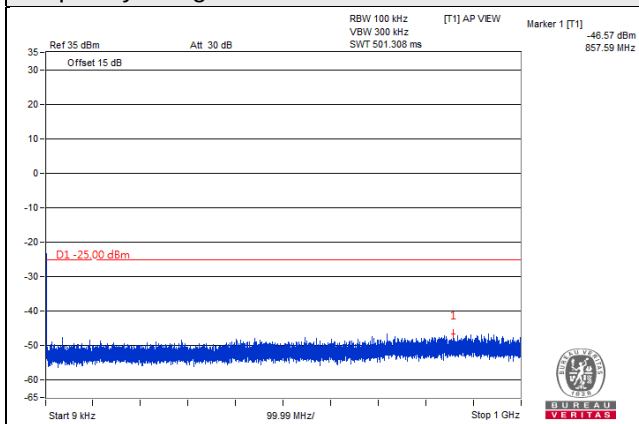
Frequency Range : 3GHz~27GHz



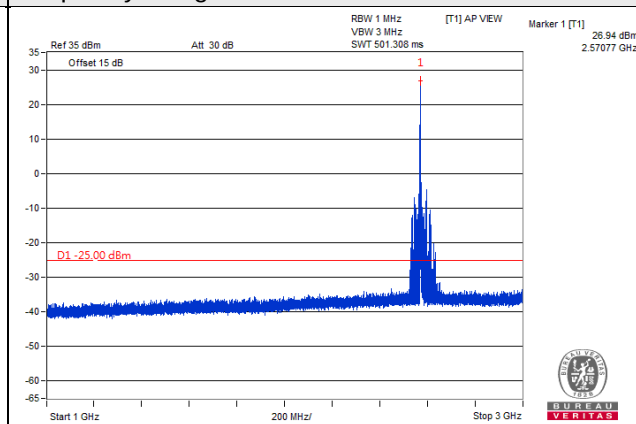
Channel Band width: 15MHz

Channel 37825(2577.5MHz)

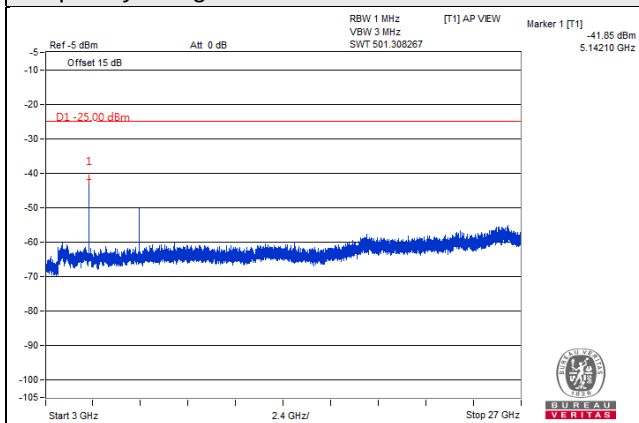
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~3GHz



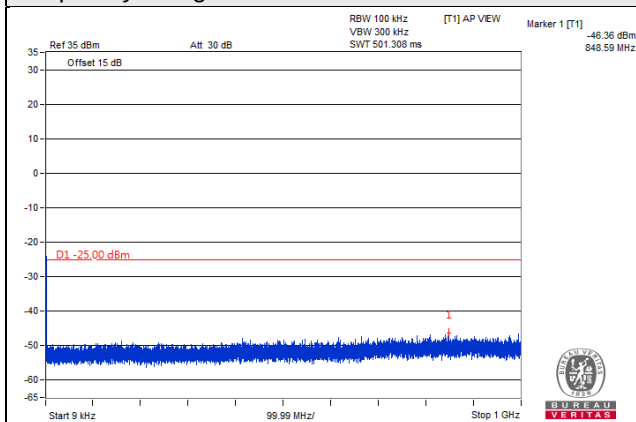
Frequency Range : 3GHz~27GHz



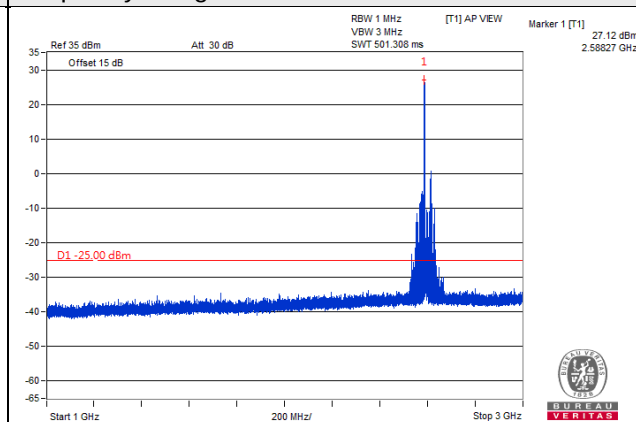
Channel Band width: 15MHz

Channel 38000(2595.0MHz)

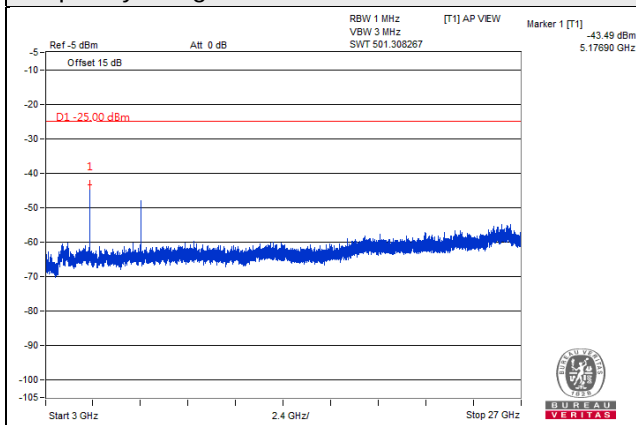
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~3GHz



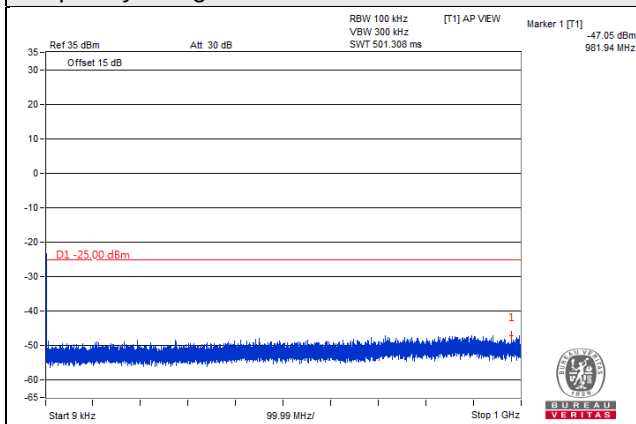
Frequency Range : 3GHz~27GHz



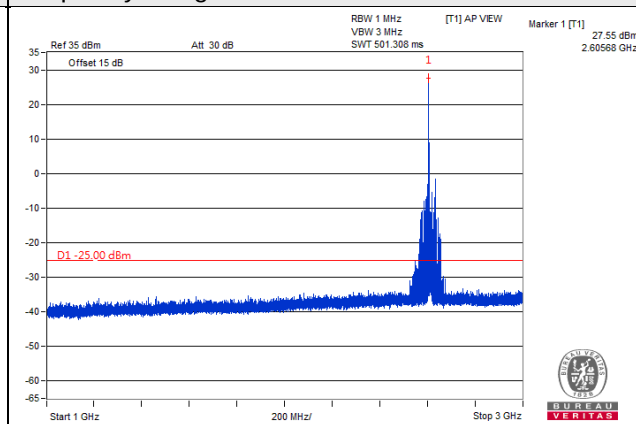
Channel Band width: 15MHz

Channel 38175(2612.5MHz)

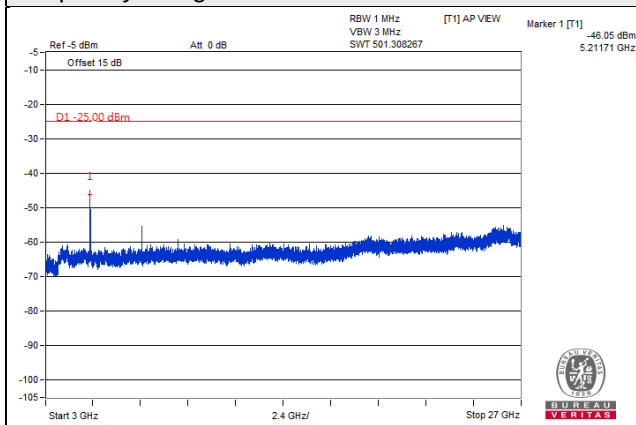
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~3GHz



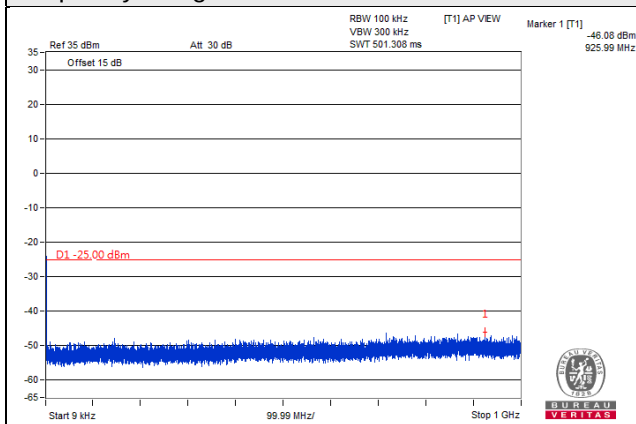
Frequency Range : 3GHz~27GHz



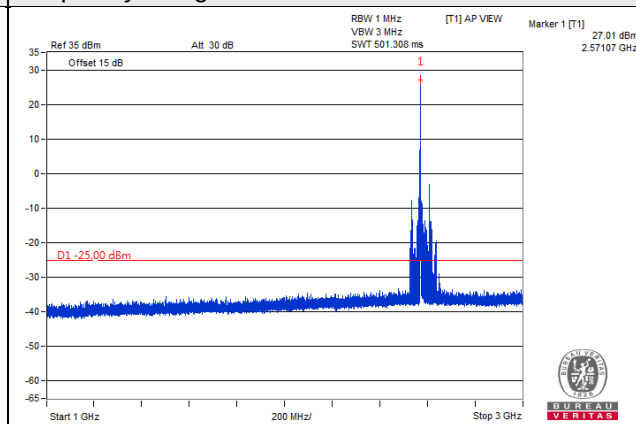
Channel Band width: 20MHz

Channel 37850(2580.0MHz)

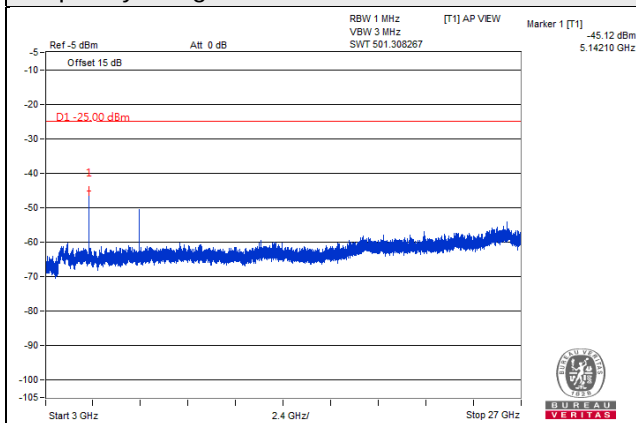
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~3GHz



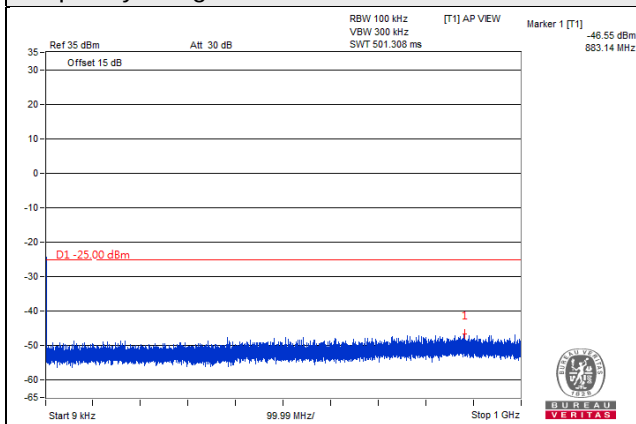
Frequency Range : 3GHz~27GHz



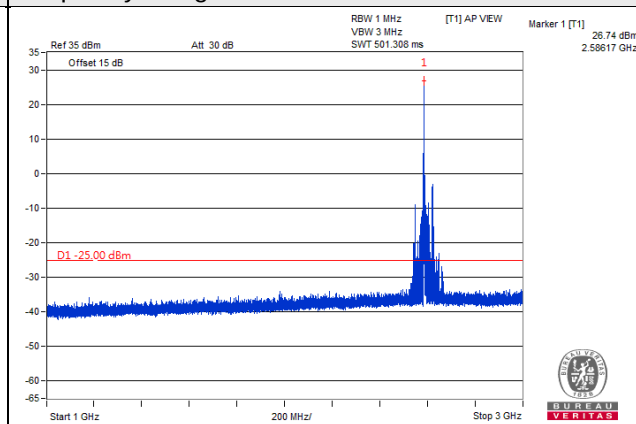
Channel Band width: 20MHz

Channel 38000(2595.0MHz)

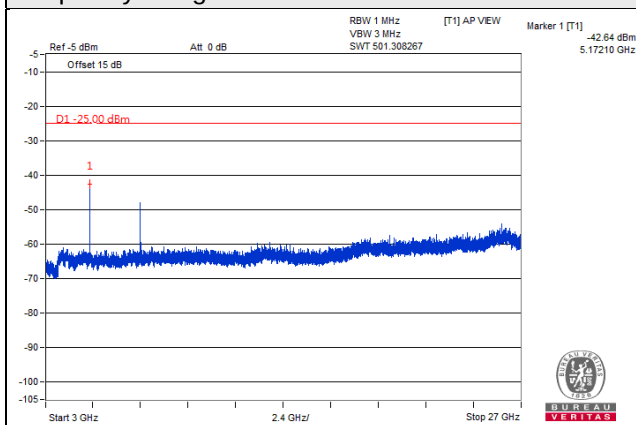
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~3GHz



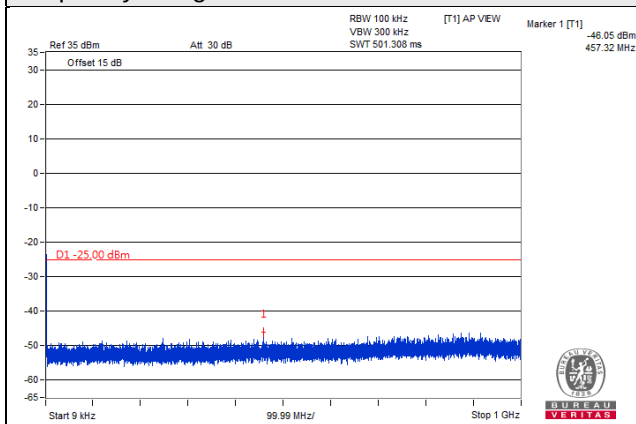
Frequency Range : 3GHz~27GHz



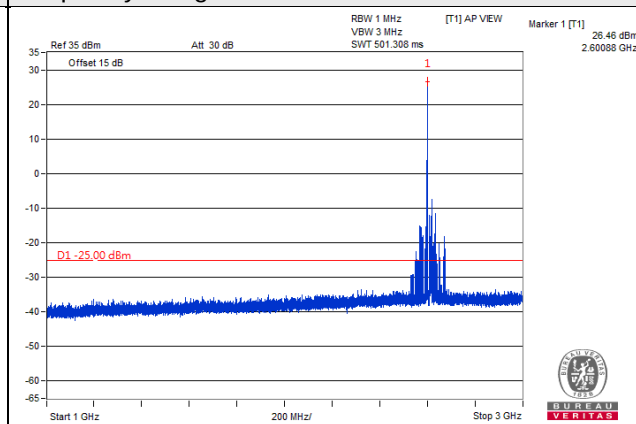
Channel Band width: 20MHz

Channel 38150(2610.0MHz)

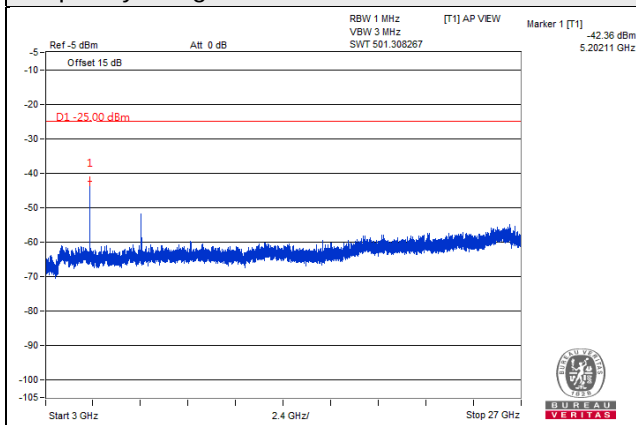
Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~3GHz



Frequency Range : 3GHz~27GHz

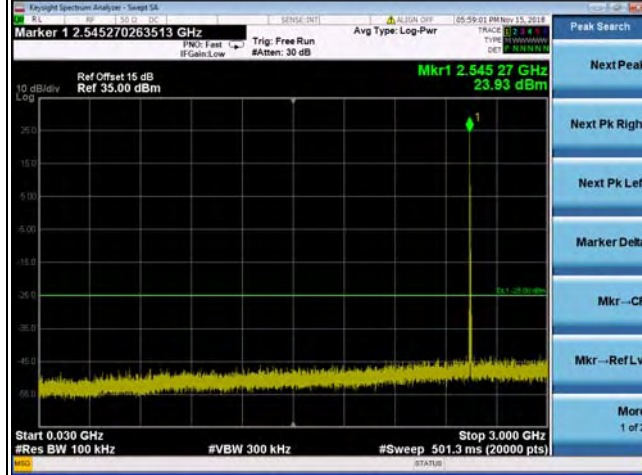


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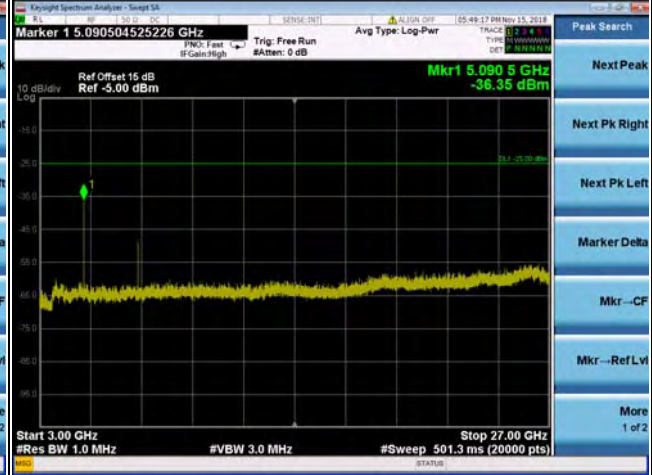
Channel Bandwidth: 5MHz

Channel 40165(2547.5MHz)

Frequency Range : 30kHz~3GHz



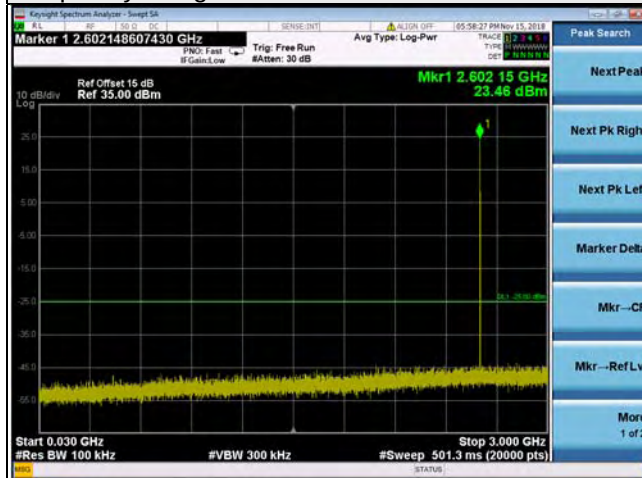
Frequency Range : 3GHz~27GHz



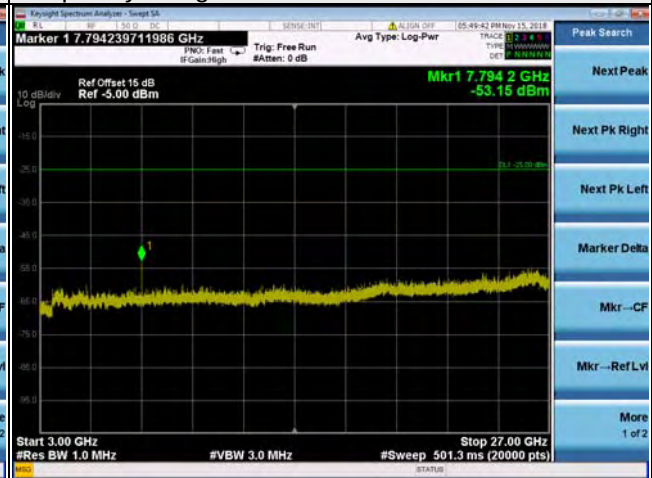
Channel Bandwidth: 5MHz

Channel 40690(2600.0MHz)

Frequency Range : 30kHz~3GHz



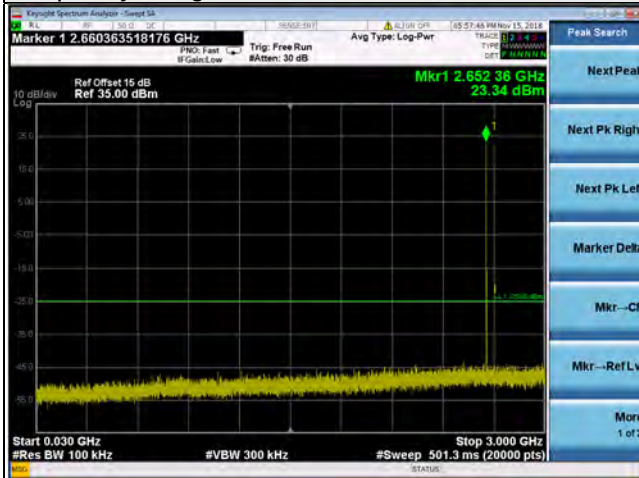
Frequency Range : 3GHz~27GHz



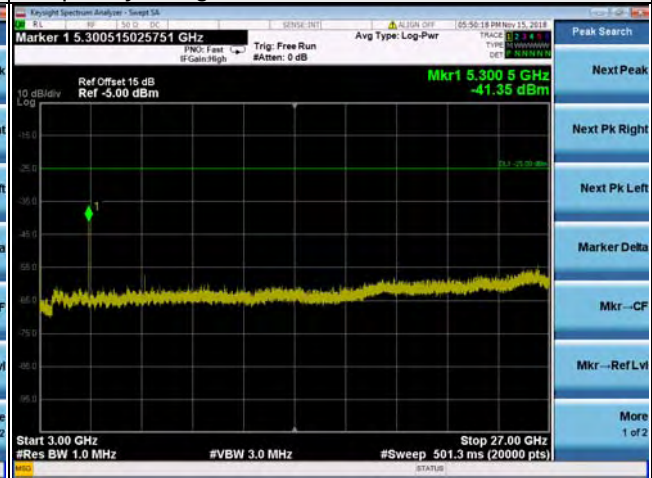
Channel Bandwidth: 5MHz

Channel 41215(2652.5MHz)

Frequency Range : 30kHz~3GHz



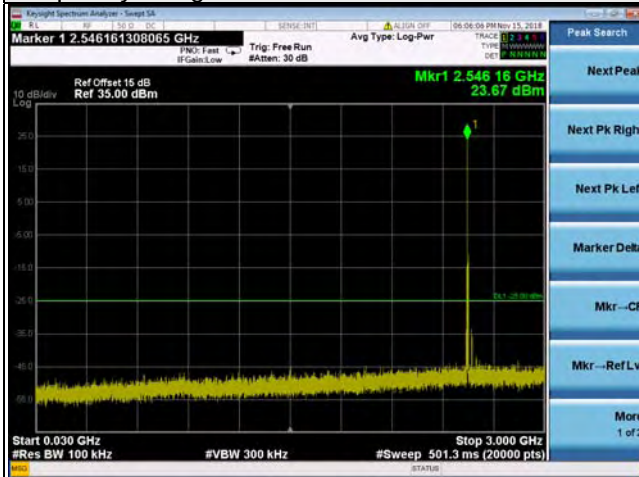
Frequency Range : 3GHz~27GHz



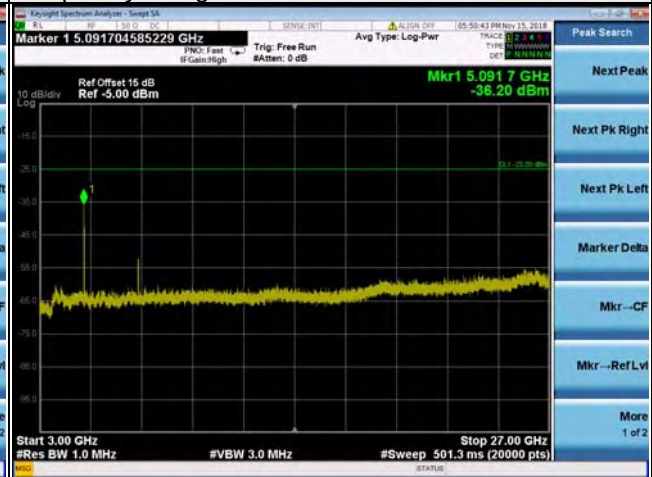
Channel Bandwidth: 10MHz

Channel 40190(2550.0MHz)

Frequency Range : 30kHz~3GHz



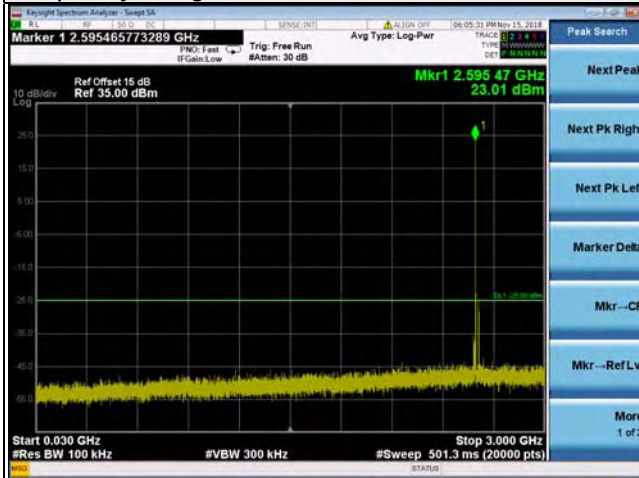
Frequency Range : 3GHz~27GHz



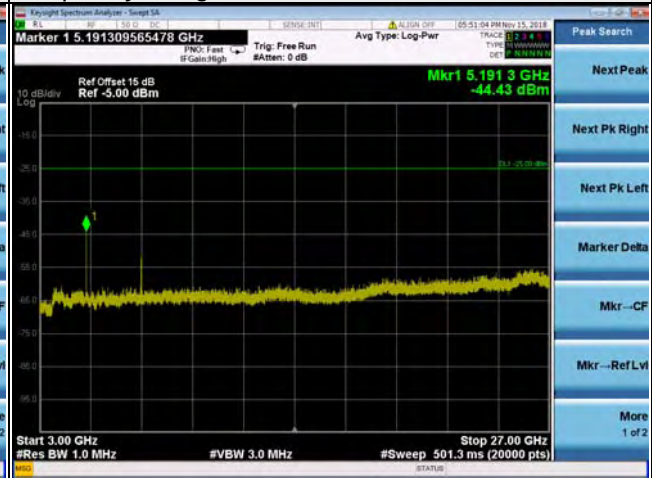
Channel Bandwidth: 10MHz

Channel 40690(2600.0MHz)

Frequency Range : 30kHz~3GHz



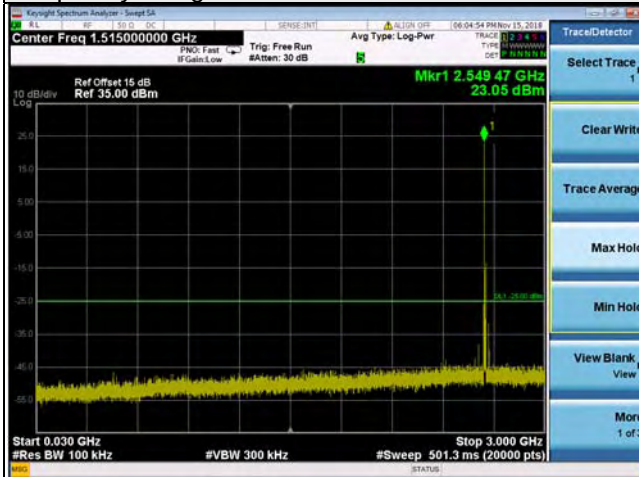
Frequency Range : 3GHz~27GHz



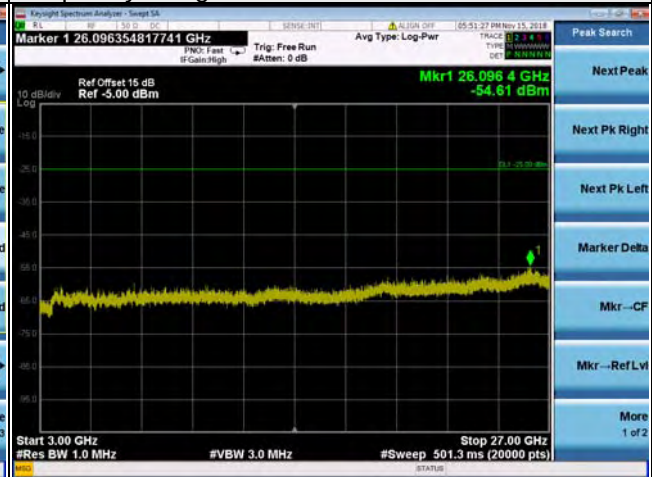
Channel Bandwidth: 10MHz

Channel 41190(2650.0MHz)

Frequency Range : 30kHz~3GHz



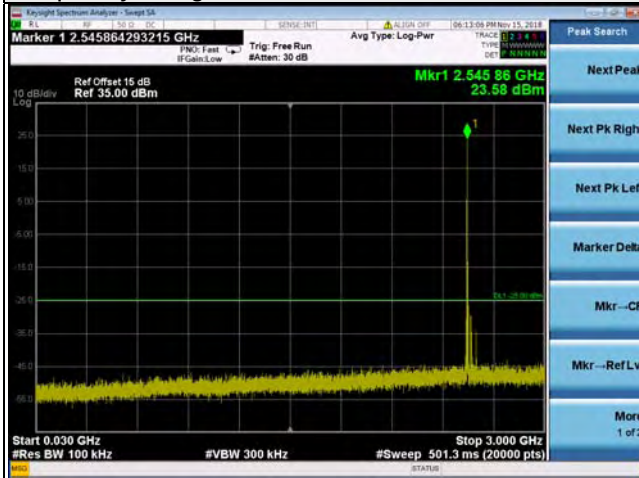
Frequency Range : 3GHz~27GHz



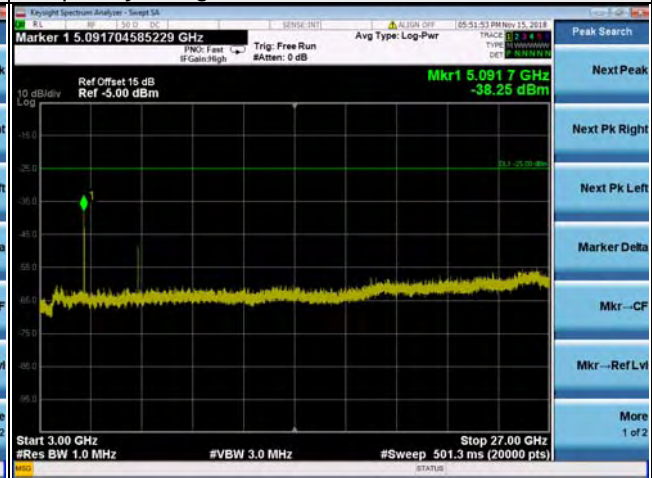
Channel Bandwidth: 15MHz

Channel 40215(2552.5MHz)

Frequency Range : 30kHz~3GHz



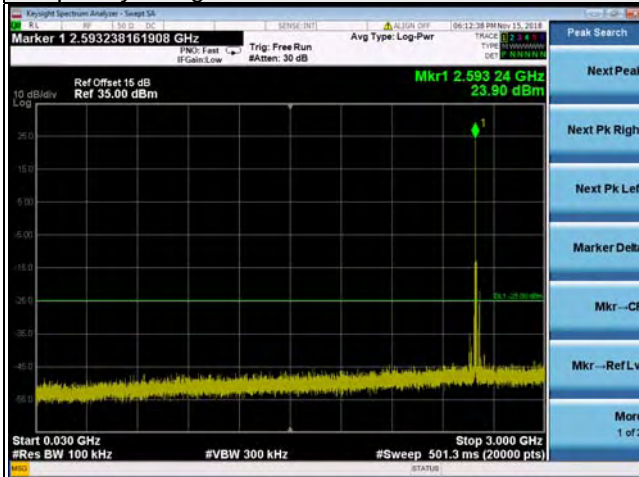
Frequency Range : 3GHz~27GHz



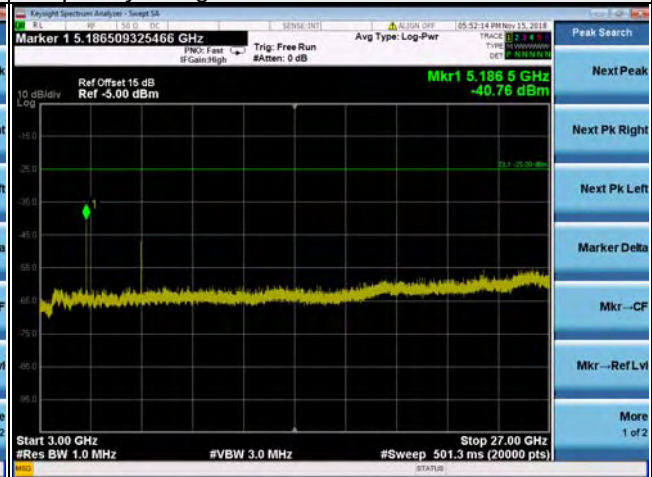
Channel Bandwidth: 15MHz

Channel 40690(2600.0MHz)

Frequency Range : 30kHz~3GHz



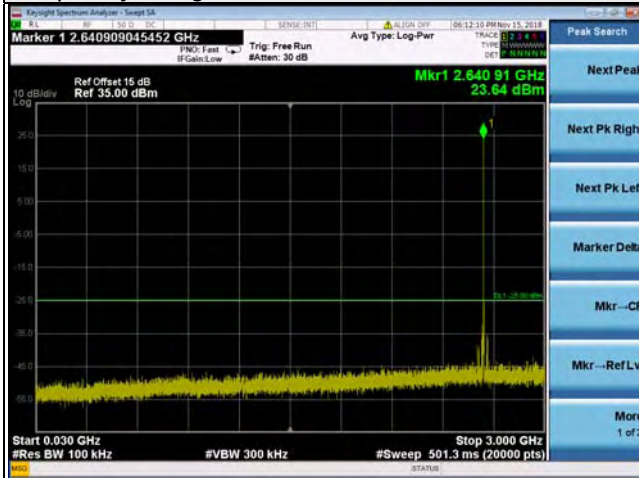
Frequency Range : 3GHz~27GHz



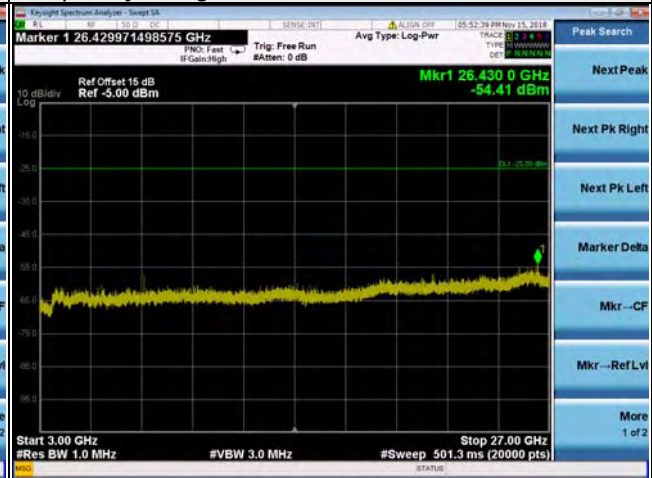
Channel Bandwidth: 15MHz

Channel 41165(2647.5MHz)

Frequency Range : 30kHz~3GHz



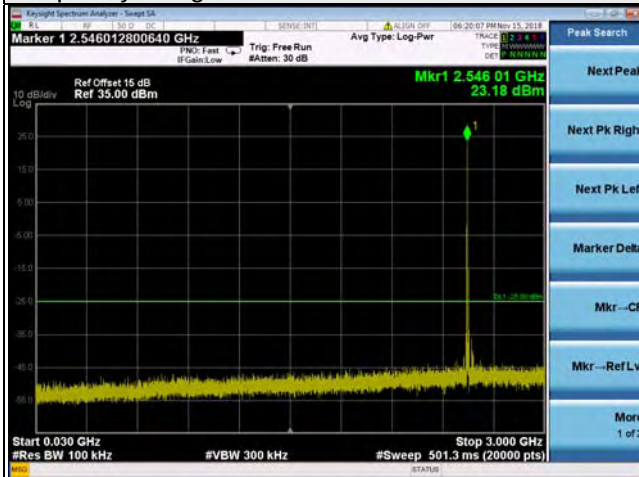
Frequency Range : 3GHz~27GHz



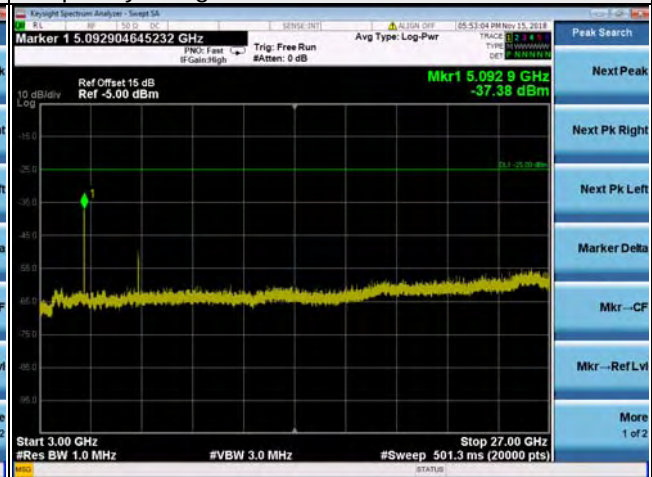
Channel Bandwidth: 20MHz

Channel 40240(2555.0MHz)

Frequency Range : 30kHz~3GHz



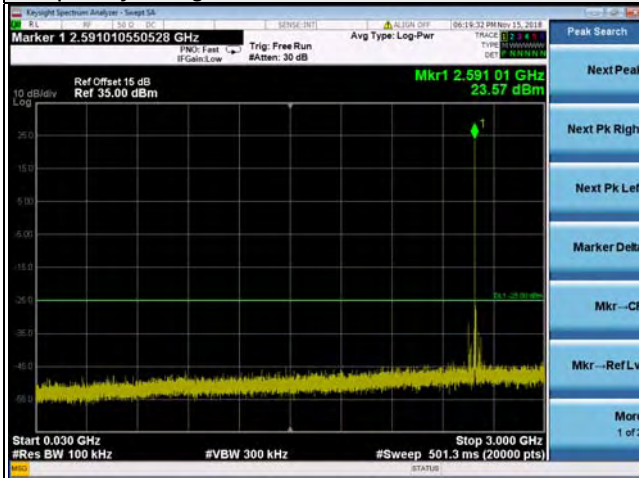
Frequency Range : 3GHz~27GHz



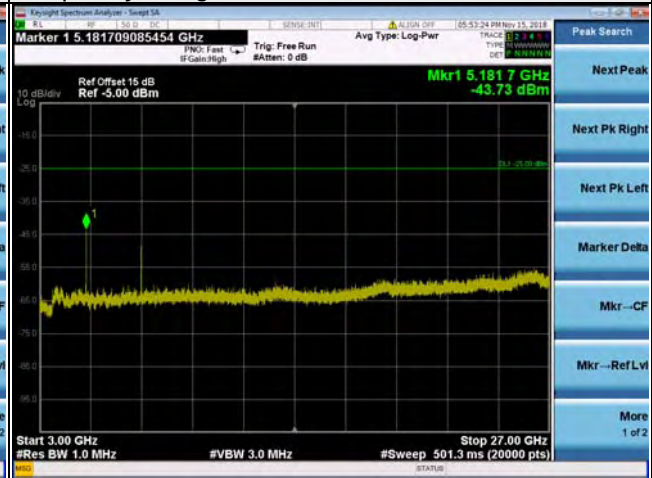
Channel Bandwidth: 20MHz

Channel 40690(2600.0MHz)

Frequency Range : 30kHz~3GHz



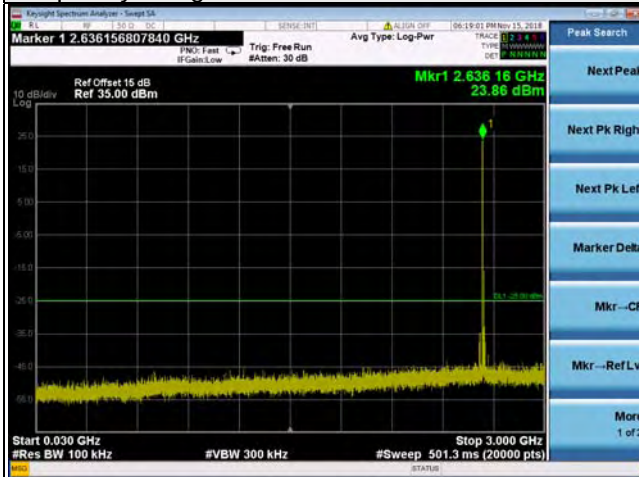
Frequency Range : 3GHz~27GHz



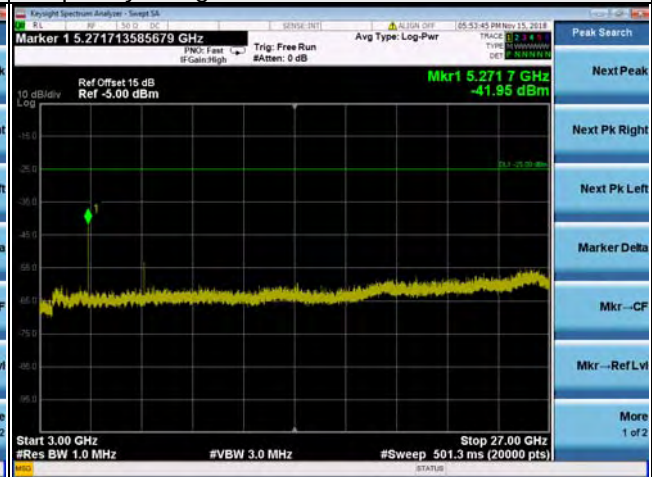
Channel Bandwidth: 20MHz

Channel 41140(2645.0MHz)

Frequency Range : 30kHz~3GHz



Frequency Range : 3GHz~27GHz



## 4.8 Radiated Emission Measurement

### 4.8.1 Limits of Radiated Emission Measurement

For WCDMA Band 4, LTE Band 4

According to FCC 27.53(h) for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 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  $43 + 10 \log_{10} (P)$  dB.

For LTE Band 7, 38, 41

In the FCC 27.53(m) (4)(6), 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

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.

For operations in the 775-788 MHz, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz. The limit of emissions is equal to -40 dBm

For LTE Band 17

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.

#### 4.8.2 Test Procedure

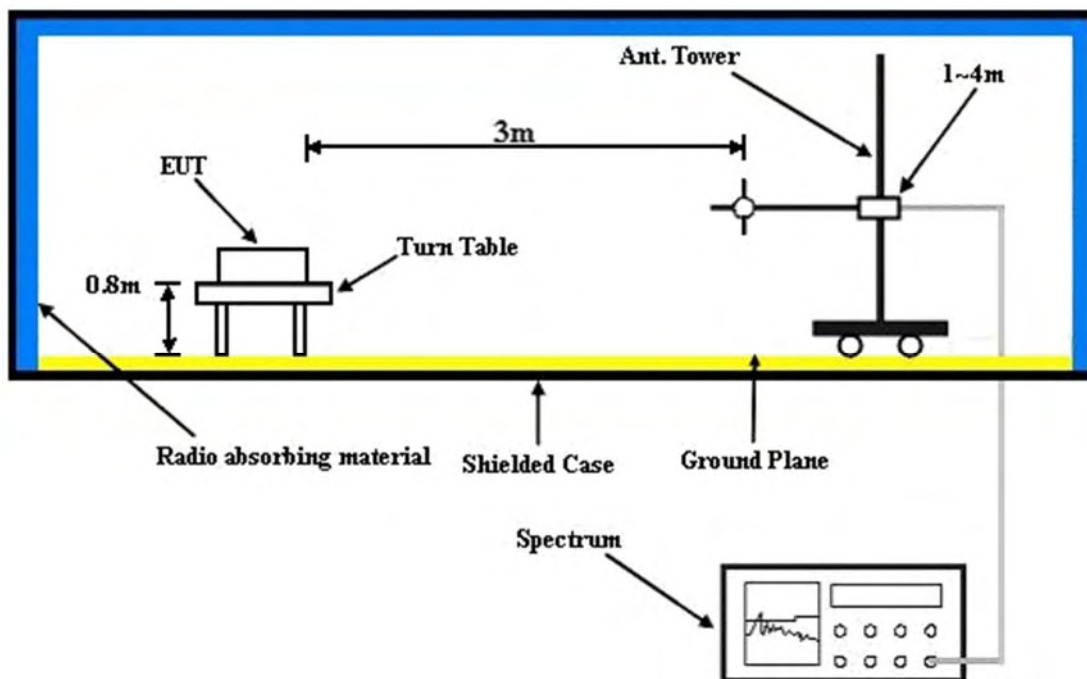
- The power was measured with R&S Spectrum Analyzer. All measurements were done at 3 channels (low, middle and high channel of operational frequency range.)
- Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table 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.
- The substitution antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value" of step b. Record the power level of S.G
- $EIRP = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution antenna}.$

**Note:** The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz/3MHz.

#### 4.8.3 Deviation from Test Standard

No deviation.

#### 4.8.4 Test Setup



For the actual test configuration, please refer to the attached file (Test Setup Photo).

#### 4.8.5 Test Results

Below 1GHz

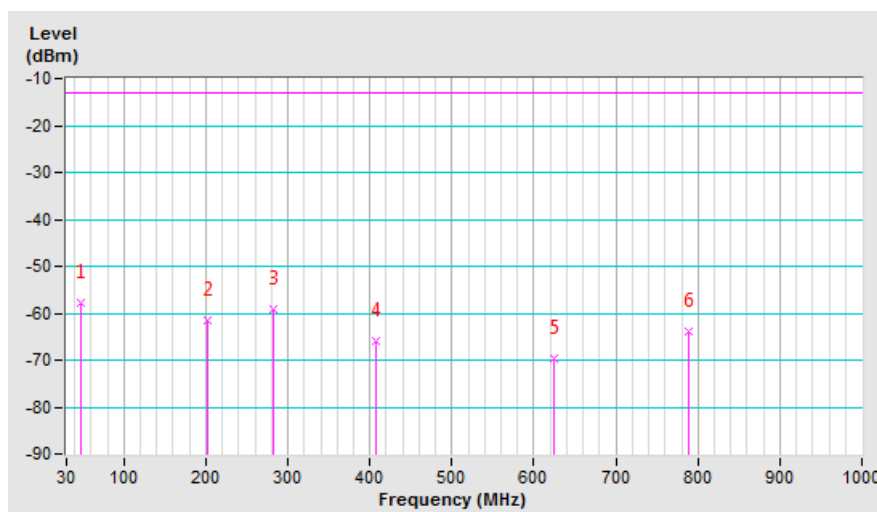
WCDMA Band 4

|                          |                                |                 |                |
|--------------------------|--------------------------------|-----------------|----------------|
| Mode                     | TX channel 1312<br>(1712.4MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                     |                 |                |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 47.46       | -58.80        | -48.00                | -9.70                  | -57.70     | -13.00      | -44.70      |
| 2                                                   | 202.66      | -53.00        | -67.00                | 5.40                   | -61.60     | -13.00      | -48.60      |
| 3                                                   | 282.20      | -55.30        | -64.60                | 5.30                   | -59.30     | -13.00      | -46.30      |
| 4                                                   | 408.30      | -65.00        | -71.20                | 5.20                   | -66.00     | -13.00      | -53.00      |
| 5                                                   | 623.64      | -70.60        | -74.20                | 4.70                   | -69.50     | -13.00      | -56.50      |
| 6                                                   | 788.54      | -69.40        | -68.10                | 4.10                   | -64.00     | -13.00      | -51.00      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

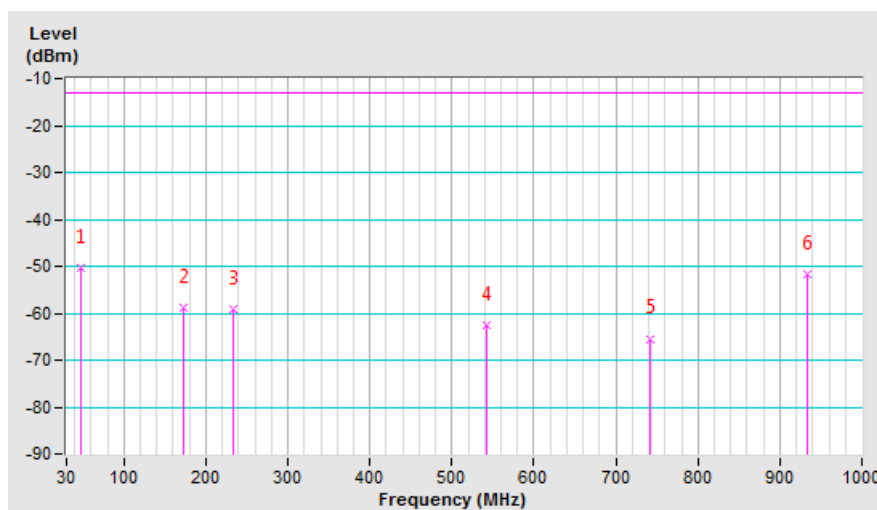


|                          |                                |                 |                |
|--------------------------|--------------------------------|-----------------|----------------|
| Mode                     | TX channel 1312<br>(1712.4MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                     |                 |                |

| Antenna Polarity & Test Distance: Vertical at 3 M |             |               |                       |                        |            |             |             |
|---------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                               | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                 | 47.46       | -44.20        | -40.50                | -9.70                  | -50.20     | -13.00      | -37.20      |
| 2                                                 | 173.56      | -58.70        | -60.90                | 2.10                   | -58.80     | -13.00      | -45.80      |
| 3                                                 | 233.70      | -59.20        | -64.60                | 5.40                   | -59.20     | -13.00      | -46.20      |
| 4                                                 | 542.16      | -63.60        | -67.30                | 4.70                   | -62.60     | -13.00      | -49.60      |
| 5                                                 | 741.98      | -71.00        | -70.10                | 4.70                   | -65.40     | -13.00      | -52.40      |
| 6                                                 | 934.04      | -60.50        | -55.70                | 3.90                   | -51.80     | -13.00      | -38.80      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



LTE Band 4

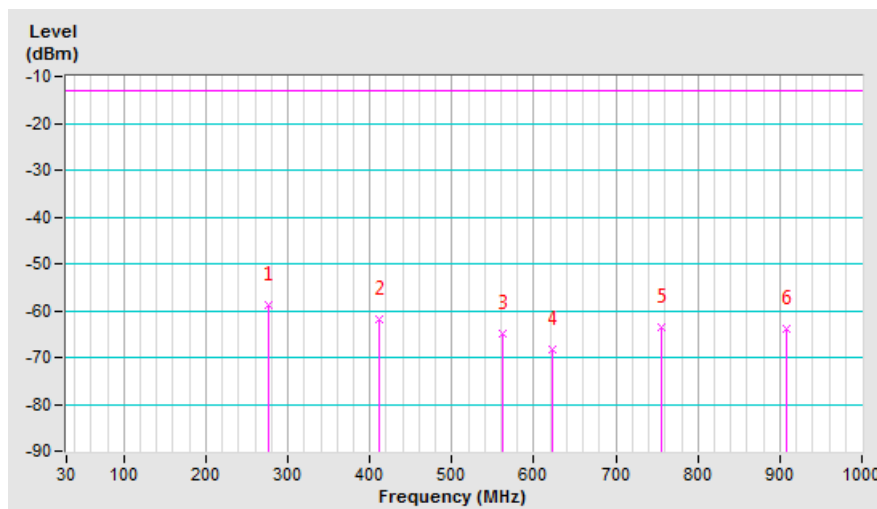
Channel Bandwidth: 1.4MHz

|                          |                                 |                 |                |
|--------------------------|---------------------------------|-----------------|----------------|
| Mode                     | TX channel 19957<br>(1710.7MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                      |                 |                |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 276.38      | -53.84        | -64.14                | 5.25                   | -58.89     | -13.00      | -45.89      |
| 2                                                   | 412.18      | -60.86        | -67.01                | 5.24                   | -61.77     | -13.00      | -48.77      |
| 3                                                   | 561.56      | -64.55        | -69.46                | 4.61                   | -64.85     | -13.00      | -51.85      |
| 4                                                   | 621.70      | -69.36        | -72.93                | 4.61                   | -68.32     | -13.00      | -55.32      |
| 5                                                   | 755.56      | -67.44        | -68.23                | 4.57                   | -63.66     | -13.00      | -50.66      |
| 6                                                   | 908.82      | -70.65        | -67.72                | 3.91                   | -63.81     | -13.00      | -50.81      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

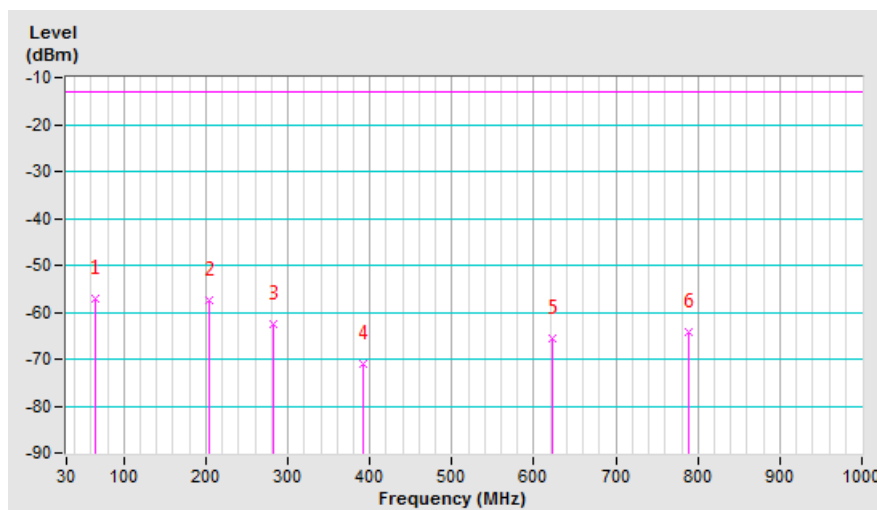


|                          |                                 |                 |                |
|--------------------------|---------------------------------|-----------------|----------------|
| Mode                     | TX channel 19957<br>(1710.7MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                      |                 |                |

| Antenna Polarity & Test Distance: Vertical at 3 M |             |               |                       |                        |            |             |             |
|---------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                               | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                 | 64.92       | -49.91        | -50.63                | -6.32                  | -56.95     | -13.00      | -43.95      |
| 2                                                 | 204.60      | -55.68        | -62.87                | 5.46                   | -57.41     | -13.00      | -44.41      |
| 3                                                 | 282.20      | -63.61        | -67.66                | 5.22                   | -62.44     | -13.00      | -49.44      |
| 4                                                 | 390.84      | -70.08        | -76.35                | 5.24                   | -71.11     | -13.00      | -58.11      |
| 5                                                 | 621.70      | -70.42        | -70.06                | 4.61                   | -65.45     | -13.00      | -52.45      |
| 6                                                 | 788.54      | -70.54        | -68.45                | 4.17                   | -64.28     | -13.00      | -51.28      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



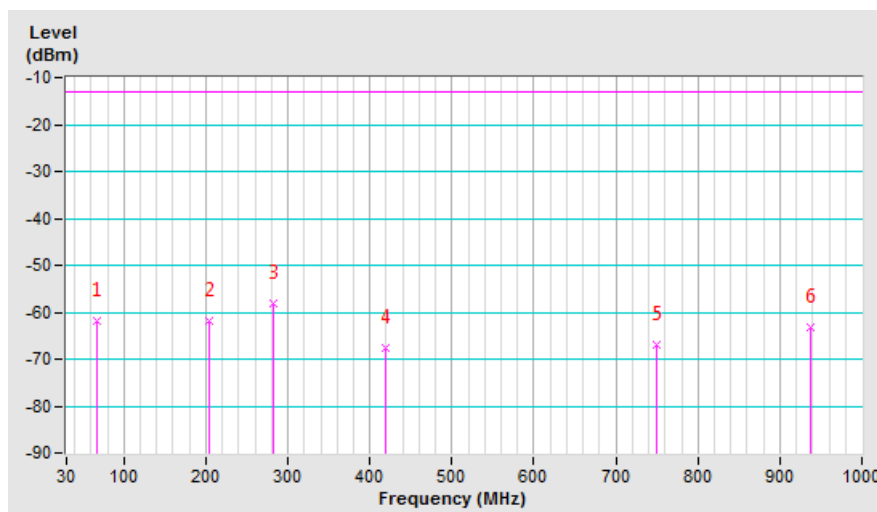
Channel Bandwidth: 3MHz

|                          |                                 |                 |                |
|--------------------------|---------------------------------|-----------------|----------------|
| Mode                     | TX channel 19965<br>(1711.5MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                      |                 |                |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 66.86       | -55.74        | -55.94                | -5.82                  | -61.76     | -13.00      | -48.76      |
| 2                                                   | 204.60      | -53.17        | -67.38                | 5.46                   | -61.92     | -13.00      | -48.92      |
| 3                                                   | 282.20      | -53.99        | -63.19                | 5.22                   | -57.97     | -13.00      | -44.97      |
| 4                                                   | 419.94      | -66.30        | -72.74                | 5.21                   | -67.53     | -13.00      | -54.53      |
| 5                                                   | 749.74      | -70.42        | -71.43                | 4.62                   | -66.81     | -13.00      | -53.81      |
| 6                                                   | 937.92      | -70.30        | -67.10                | 3.92                   | -63.18     | -13.00      | -50.18      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

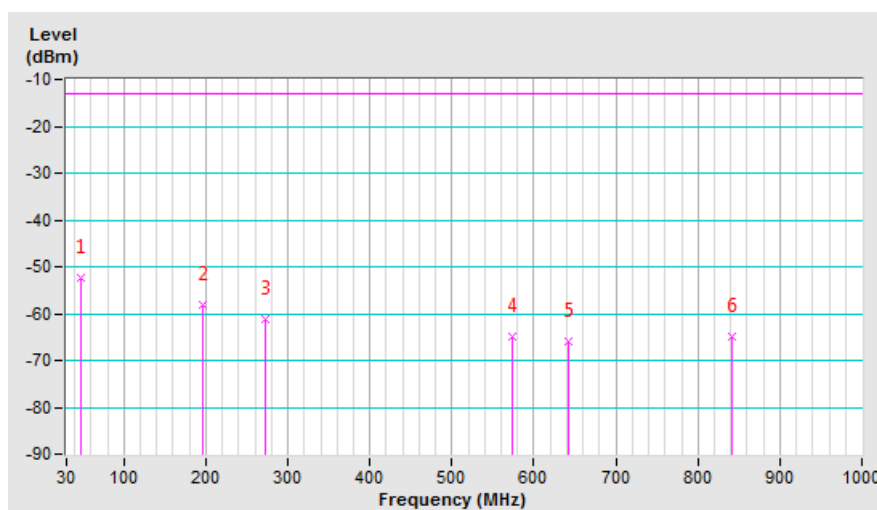


|                          |                                 |                 |                |
|--------------------------|---------------------------------|-----------------|----------------|
| Mode                     | TX channel 19965<br>(1711.5MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                      |                 |                |

| Antenna Polarity & Test Distance: Vertical at 3 M |             |               |                       |                        |            |             |             |
|---------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                               | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                 | 47.46       | -46.29        | -42.13                | -10.16                 | -52.29     | -13.00      | -39.29      |
| 2                                                 | 196.84      | -54.55        | -63.04                | 5.07                   | -57.97     | -13.00      | -44.97      |
| 3                                                 | 272.50      | -64.16        | -66.37                | 5.28                   | -61.09     | -13.00      | -48.09      |
| 4                                                 | 573.20      | -67.18        | -69.62                | 4.55                   | -65.07     | -13.00      | -52.07      |
| 5                                                 | 643.04      | -70.30        | -70.59                | 4.78                   | -65.81     | -13.00      | -52.81      |
| 6                                                 | 840.92      | -71.28        | -68.79                | 3.97                   | -64.82     | -13.00      | -51.82      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



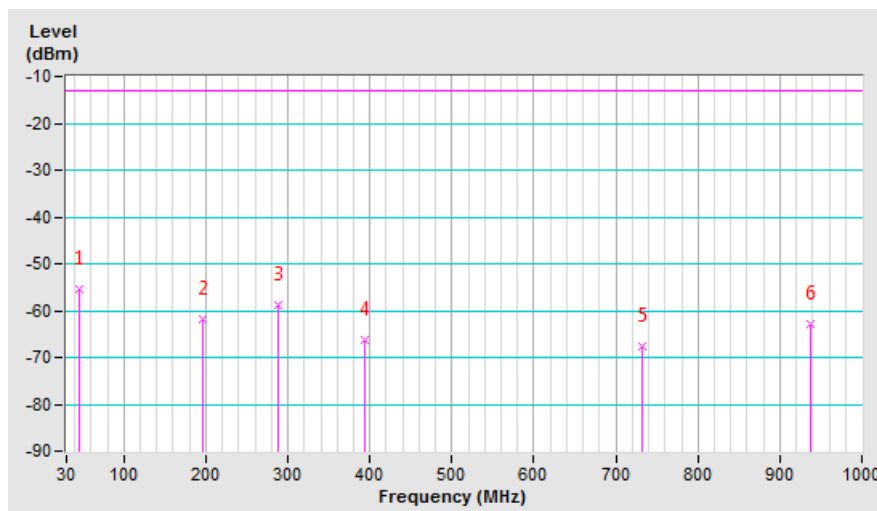
Channel Bandwidth: 5MHz

|                          |                                 |                 |                |
|--------------------------|---------------------------------|-----------------|----------------|
| Mode                     | TX channel 19975<br>(1712.5MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                      |                 |                |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 45.52       | -56.89        | -45.56                | -9.97                  | -55.53     | -13.00      | -42.53      |
| 2                                                   | 196.84      | -53.09        | -67.08                | 5.07                   | -62.01     | -13.00      | -49.01      |
| 3                                                   | 288.02      | -55.41        | -63.89                | 5.19                   | -58.70     | -13.00      | -45.70      |
| 4                                                   | 392.78      | -65.24        | -71.54                | 5.25                   | -66.29     | -13.00      | -53.29      |
| 5                                                   | 732.28      | -71.07        | -72.54                | 4.84                   | -67.70     | -13.00      | -54.70      |
| 6                                                   | 937.92      | -70.17        | -66.97                | 3.92                   | -63.05     | -13.00      | -50.05      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

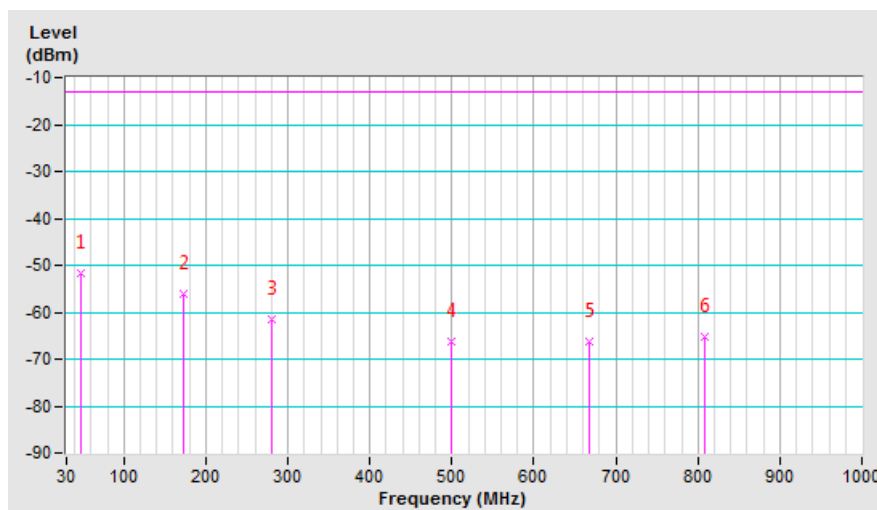


|                          |                                 |                 |                |
|--------------------------|---------------------------------|-----------------|----------------|
| Mode                     | TX channel 19975<br>(1712.5MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                      |                 |                |

| Antenna Polarity & Test Distance: Vertical at 3 M |             |               |                       |                        |            |             |             |
|---------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                               | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                 | 47.46       | -45.59        | -41.43                | -10.16                 | -51.59     | -13.00      | -38.59      |
| 2                                                 | 173.56      | -55.87        | -58.04                | 2.10                   | -55.94     | -13.00      | -42.94      |
| 3                                                 | 280.26      | -62.89        | -66.66                | 5.23                   | -61.43     | -13.00      | -48.43      |
| 4                                                 | 499.48      | -65.51        | -71.25                | 4.89                   | -66.36     | -13.00      | -53.36      |
| 5                                                 | 668.26      | -71.49        | -71.43                | 5.00                   | -66.43     | -13.00      | -53.43      |
| 6                                                 | 807.94      | -71.70        | -69.35                | 4.02                   | -65.33     | -13.00      | -52.33      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



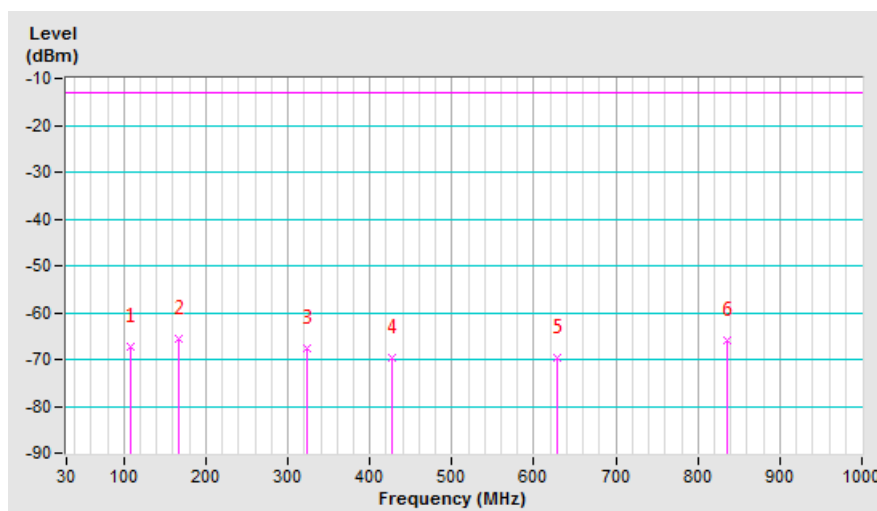
Channel Bandwidth: 10MHz

|                          |                                 |                 |                |
|--------------------------|---------------------------------|-----------------|----------------|
| Mode                     | TX channel 20000<br>(1715.0MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                      |                 |                |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 107.60      | -59.62        | -67.86                | 0.58                   | -67.28     | -13.00      | -54.28      |
| 2                                                   | 167.74      | -59.11        | -67.04                | 1.37                   | -65.67     | -13.00      | -52.67      |
| 3                                                   | 322.94      | -63.73        | -72.78                | 5.16                   | -67.62     | -13.00      | -54.62      |
| 4                                                   | 427.70      | -68.00        | -74.74                | 5.17                   | -69.57     | -13.00      | -56.57      |
| 5                                                   | 627.52      | -70.55        | -74.19                | 4.65                   | -69.54     | -13.00      | -56.54      |
| 6                                                   | 835.10      | -71.75        | -69.81                | 3.98                   | -65.83     | -13.00      | -52.83      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

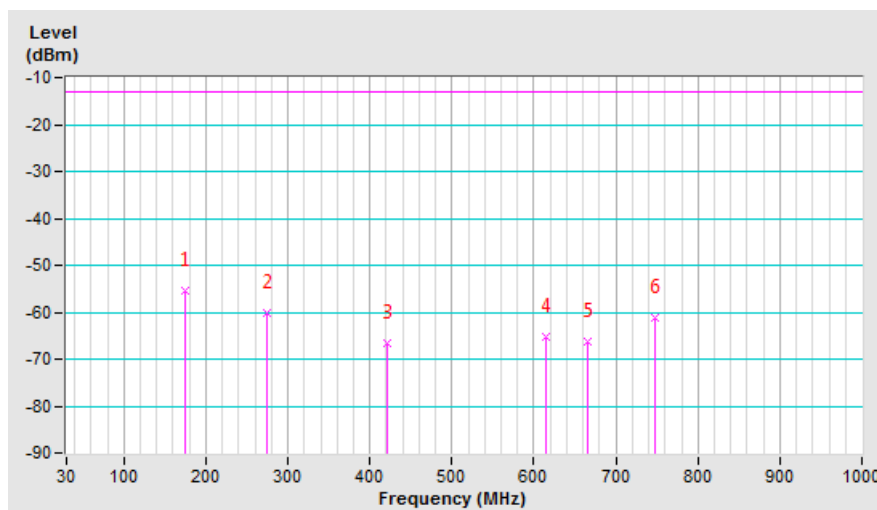


|                          |                                 |                 |                |
|--------------------------|---------------------------------|-----------------|----------------|
| Mode                     | TX channel 20000<br>(1715.0MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                      |                 |                |

| Antenna Polarity & Test Distance: Vertical at 3 M |             |               |                       |                        |            |             |             |
|---------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                               | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                 | 175.50      | -54.87        | -57.69                | 2.34                   | -55.35     | -13.00      | -42.35      |
| 2                                                 | 274.44      | -62.81        | -65.38                | 5.26                   | -60.12     | -13.00      | -47.12      |
| 3                                                 | 421.88      | -64.99        | -71.88                | 5.19                   | -66.69     | -13.00      | -53.69      |
| 4                                                 | 613.94      | -70.04        | -69.72                | 4.53                   | -65.19     | -13.00      | -52.19      |
| 5                                                 | 666.32      | -71.19        | -71.16                | 4.98                   | -66.18     | -13.00      | -53.18      |
| 6                                                 | 747.80      | -66.85        | -65.85                | 4.65                   | -61.20     | -13.00      | -48.20      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



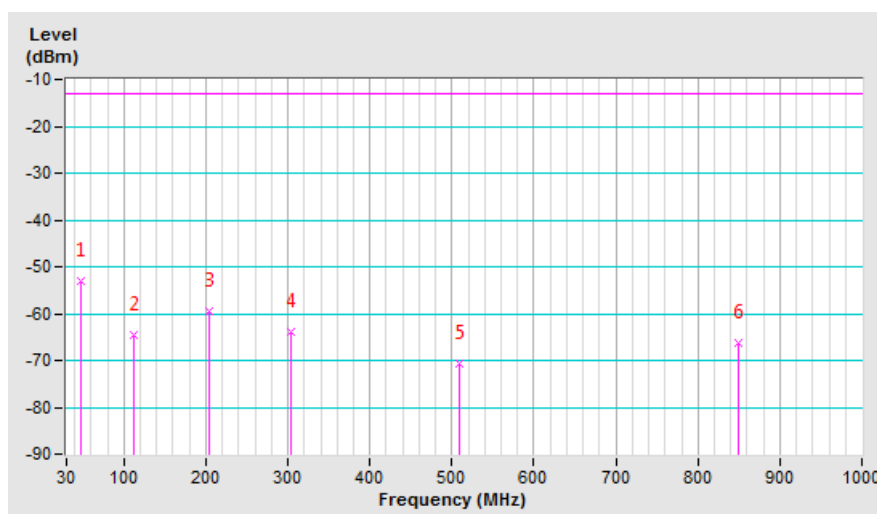
Channel Bandwidth: 15MHz

|                          |                                 |                 |                |
|--------------------------|---------------------------------|-----------------|----------------|
| Mode                     | TX channel 20025<br>(1717.5MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                      |                 |                |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 47.46       | -54.16        | -42.85                | -10.16                 | -53.01     | -13.00      | -40.01      |
| 2                                                   | 111.48      | -57.11        | -64.95                | 0.42                   | -64.53     | -13.00      | -51.53      |
| 3                                                   | 204.60      | -50.84        | -65.05                | 5.46                   | -59.59     | -13.00      | -46.59      |
| 4                                                   | 303.54      | -59.04        | -69.09                | 5.13                   | -63.96     | -13.00      | -50.96      |
| 5                                                   | 509.18      | -69.58        | -75.48                | 4.84                   | -70.64     | -13.00      | -57.64      |
| 6                                                   | 848.68      | -72.07        | -70.39                | 3.97                   | -66.42     | -13.00      | -53.42      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

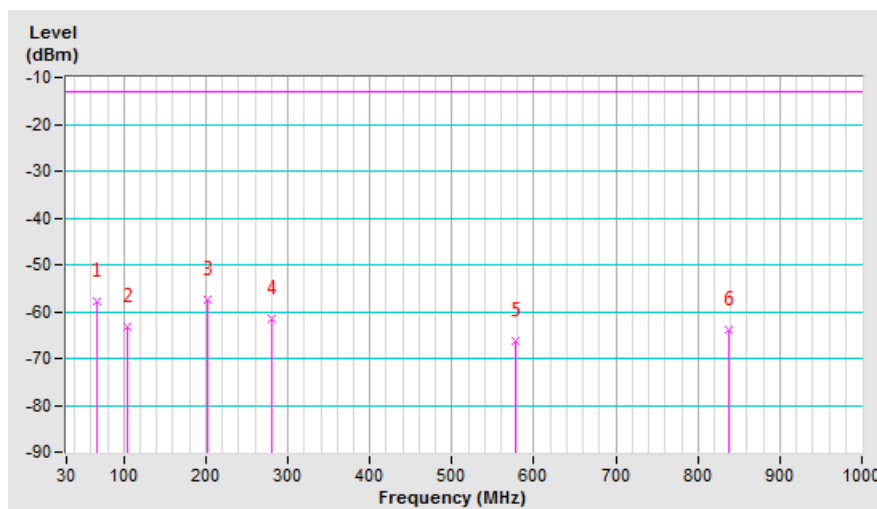


|                          |                                 |                 |                |
|--------------------------|---------------------------------|-----------------|----------------|
| Mode                     | TX channel 20025<br>(1717.5MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                      |                 |                |

| Antenna Polarity & Test Distance: Vertical at 3 M |             |               |                       |                        |            |             |             |
|---------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                               | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                 | 66.86       | -51.30        | -52.02                | -5.82                  | -57.84     | -13.00      | -44.84      |
| 2                                                 | 103.72      | -57.31        | -63.79                | 0.73                   | -63.06     | -13.00      | -50.06      |
| 3                                                 | 202.66      | -55.33        | -62.89                | 5.46                   | -57.43     | -13.00      | -44.43      |
| 4                                                 | 280.26      | -63.12        | -66.89                | 5.23                   | -61.66     | -13.00      | -48.66      |
| 5                                                 | 577.08      | -68.62        | -70.79                | 4.54                   | -66.25     | -13.00      | -53.25      |
| 6                                                 | 837.04      | -70.35        | -67.84                | 3.98                   | -63.86     | -13.00      | -50.86      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



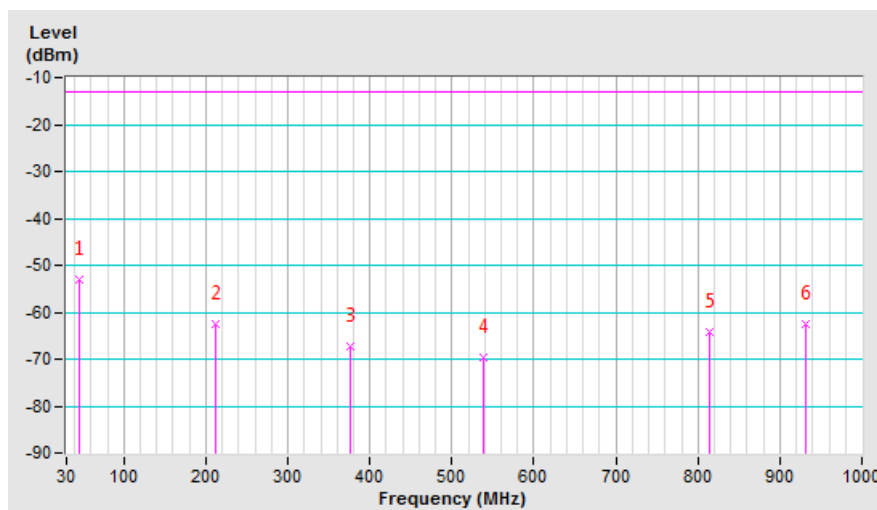
Channel Bandwidth: 20MHz

|                          |                                 |                 |                |
|--------------------------|---------------------------------|-----------------|----------------|
| Mode                     | TX channel 20050<br>(1720.0MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                      |                 |                |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 45.52       | -54.43        | -43.10                | -9.97                  | -53.07     | -13.00      | -40.07      |
| 2                                                   | 212.36      | -54.12        | -68.11                | 5.46                   | -62.65     | -13.00      | -49.65      |
| 3                                                   | 375.32      | -65.54        | -72.50                | 5.23                   | -67.27     | -13.00      | -54.27      |
| 4                                                   | 538.28      | -69.03        | -74.51                | 4.71                   | -69.80     | -13.00      | -56.80      |
| 5                                                   | 813.76      | -70.08        | -68.31                | 4.00                   | -64.31     | -13.00      | -51.31      |
| 6                                                   | 932.10      | -69.67        | -66.53                | 3.91                   | -62.62     | -13.00      | -49.62      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

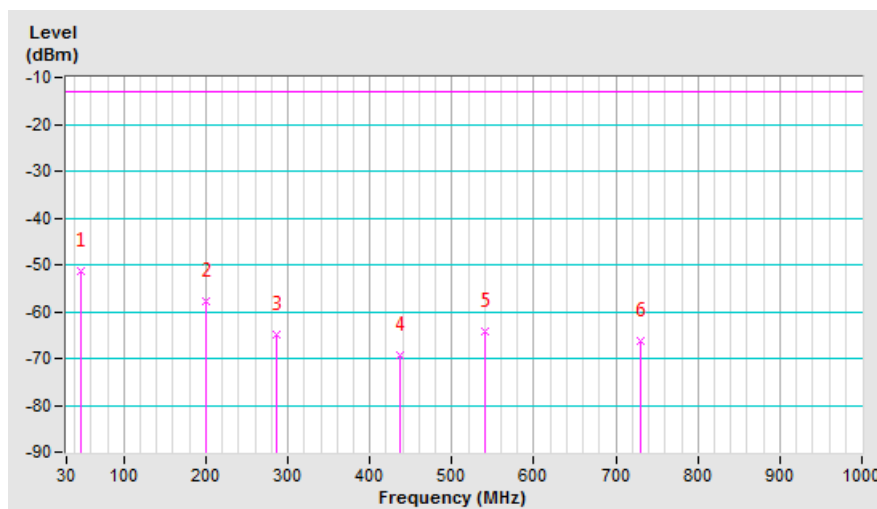


|                          |                                 |                 |                |
|--------------------------|---------------------------------|-----------------|----------------|
| Mode                     | TX channel 20050<br>(1720.0MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                      |                 |                |

| Antenna Polarity & Test Distance: Vertical at 3 M |             |               |                       |                        |            |             |             |
|---------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                               | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                 | 47.46       | -45.44        | -41.28                | -10.16                 | -51.44     | -13.00      | -38.44      |
| 2                                                 | 200.72      | -55.21        | -63.28                | 5.47                   | -57.81     | -13.00      | -44.81      |
| 3                                                 | 286.08      | -65.73        | -70.16                | 5.20                   | -64.96     | -13.00      | -51.96      |
| 4                                                 | 437.40      | -67.86        | -74.46                | 5.13                   | -69.33     | -13.00      | -56.33      |
| 5                                                 | 540.22      | -65.14        | -68.96                | 4.70                   | -64.26     | -13.00      | -51.26      |
| 6                                                 | 730.34      | -71.81        | -71.01                | 4.86                   | -66.15     | -13.00      | -53.15      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



LTE Band 7

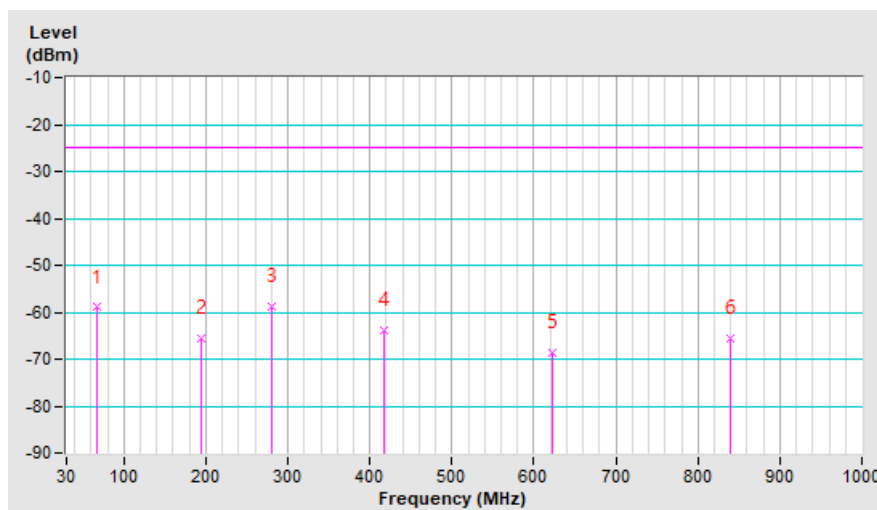
Channel Bandwidth: 5MHz

|                          |                                 |                 |                |
|--------------------------|---------------------------------|-----------------|----------------|
| Mode                     | TX channel 20775<br>(2502.5MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                      |                 |                |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 66.86       | -53.00        | -53.20                | -5.80                  | -59.00     | -25.00      | -34.00      |
| 2                                                   | 194.90      | -56.50        | -70.40                | 4.90                   | -65.50     | -25.00      | -40.50      |
| 3                                                   | 280.26      | -54.30        | -64.10                | 5.30                   | -58.80     | -25.00      | -33.80      |
| 4                                                   | 418.00      | -62.80        | -69.10                | 5.20                   | -63.90     | -25.00      | -38.90      |
| 5                                                   | 621.70      | -69.80        | -73.40                | 4.60                   | -68.80     | -25.00      | -43.80      |
| 6                                                   | 838.98      | -71.50        | -69.60                | 4.00                   | -65.60     | -25.00      | -40.60      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

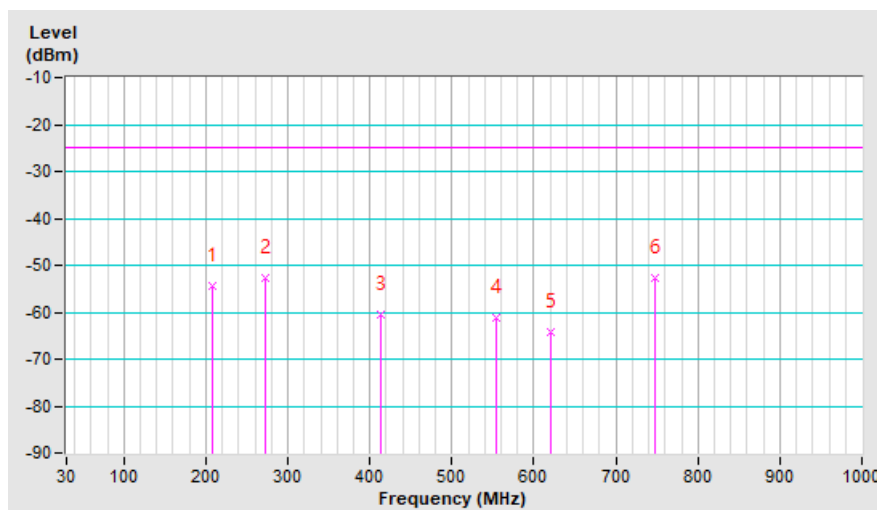


|                          |                                 |                 |                |
|--------------------------|---------------------------------|-----------------|----------------|
| Mode                     | TX channel 20775<br>(2502.5MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                      |                 |                |

| Antenna Polarity & Test Distance: Vertical at 3 M |             |               |                       |                        |            |             |             |
|---------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                               | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                 | 208.48      | -53.20        | -59.90                | 5.40                   | -54.50     | -25.00      | -29.50      |
| 2                                                 | 272.50      | -55.90        | -58.10                | 5.30                   | -52.80     | -25.00      | -27.80      |
| 3                                                 | 414.12      | -58.80        | -65.60                | 5.20                   | -60.40     | -25.00      | -35.40      |
| 4                                                 | 553.80      | -62.60        | -66.00                | 4.70                   | -61.30     | -25.00      | -36.30      |
| 5                                                 | 619.76      | -69.20        | -68.80                | 4.60                   | -64.20     | -25.00      | -39.20      |
| 6                                                 | 747.80      | -58.40        | -57.50                | 4.70                   | -52.80     | -25.00      | -27.80      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



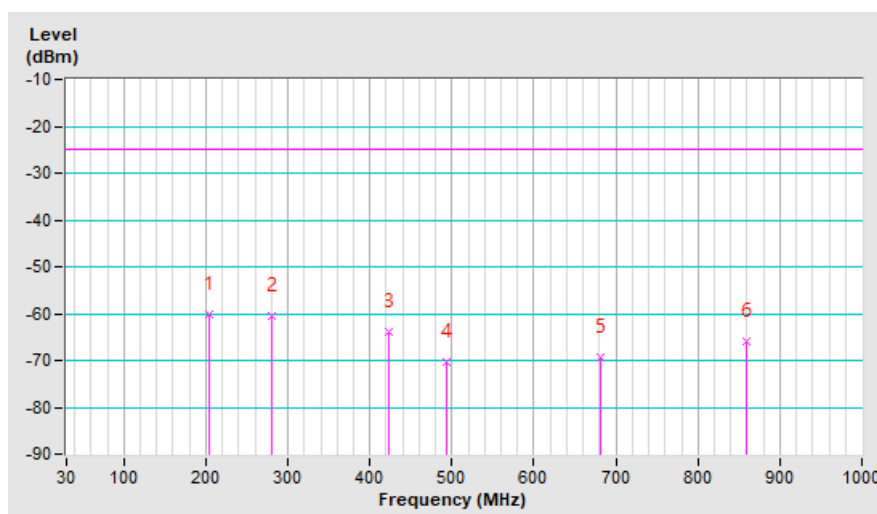
Channel Bandwidth: 10MHz

|                          |                               |                 |                |
|--------------------------|-------------------------------|-----------------|----------------|
| Mode                     | TX channel 20800<br>(2505MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH               | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                    |                 |                |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 204.60      | -51.20        | -65.40                | 5.40                   | -60.00     | -25.00      | -35.00      |
| 2                                                   | 280.26      | -56.00        | -65.80                | 5.30                   | -60.50     | -25.00      | -35.50      |
| 3                                                   | 423.82      | -62.50        | -69.20                | 5.20                   | -64.00     | -25.00      | -39.00      |
| 4                                                   | 493.66      | -69.20        | -75.40                | 4.90                   | -70.50     | -25.00      | -45.50      |
| 5                                                   | 681.84      | -70.90        | -74.30                | 5.10                   | -69.20     | -25.00      | -44.20      |
| 6                                                   | 858.38      | -71.70        | -69.70                | 3.90                   | -65.80     | -25.00      | -40.80      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

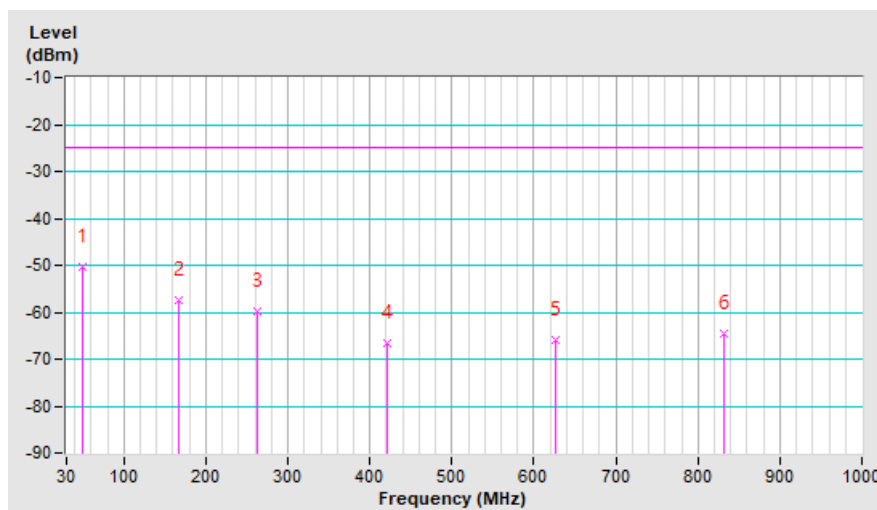


|                          |                               |                 |                |
|--------------------------|-------------------------------|-----------------|----------------|
| Mode                     | TX channel 20800<br>(2505MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH               | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                    |                 |                |

| Antenna Polarity & Test Distance: Vertical at 3 M |             |               |                       |                        |            |             |             |
|---------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                               | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                 | 49.40       | -44.10        | -41.00                | -9.30                  | -50.30     | -25.00      | -25.30      |
| 2                                                 | 167.74      | -57.60        | -58.90                | 1.30                   | -57.60     | -25.00      | -32.60      |
| 3                                                 | 262.80      | -62.00        | -65.20                | 5.30                   | -59.90     | -25.00      | -34.90      |
| 4                                                 | 421.88      | -65.00        | -71.90                | 5.20                   | -66.70     | -25.00      | -41.70      |
| 5                                                 | 625.58      | -70.90        | -70.80                | 4.70                   | -66.10     | -25.00      | -41.10      |
| 6                                                 | 831.22      | -70.80        | -68.50                | 4.00                   | -64.50     | -25.00      | -39.50      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



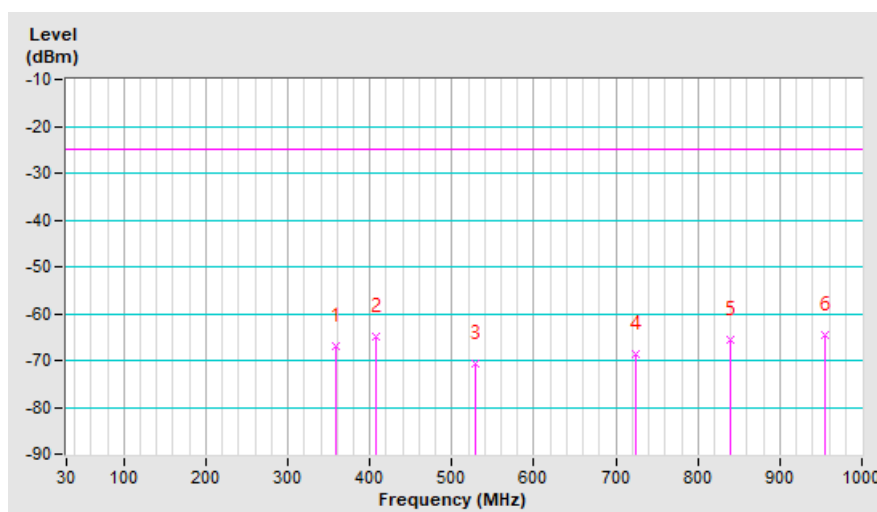
Channel Bandwidth: 15MHz

|                          |                                 |                 |                |
|--------------------------|---------------------------------|-----------------|----------------|
| Mode                     | TX channel 20825<br>(2507.5MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                      |                 |                |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 357.86      | -64.20        | -72.20                | 5.20                   | -67.00     | -25.00      | -42.00      |
| 2                                                   | 408.30      | -63.90        | -70.10                | 5.20                   | -64.90     | -25.00      | -39.90      |
| 3                                                   | 528.58      | -70.00        | -75.40                | 4.70                   | -70.70     | -25.00      | -45.70      |
| 4                                                   | 724.52      | -71.20        | -73.40                | 4.90                   | -68.50     | -25.00      | -43.50      |
| 5                                                   | 838.98      | -71.40        | -69.50                | 4.00                   | -65.50     | -25.00      | -40.50      |
| 6                                                   | 955.38      | -71.90        | -68.50                | 3.90                   | -64.60     | -25.00      | -39.60      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

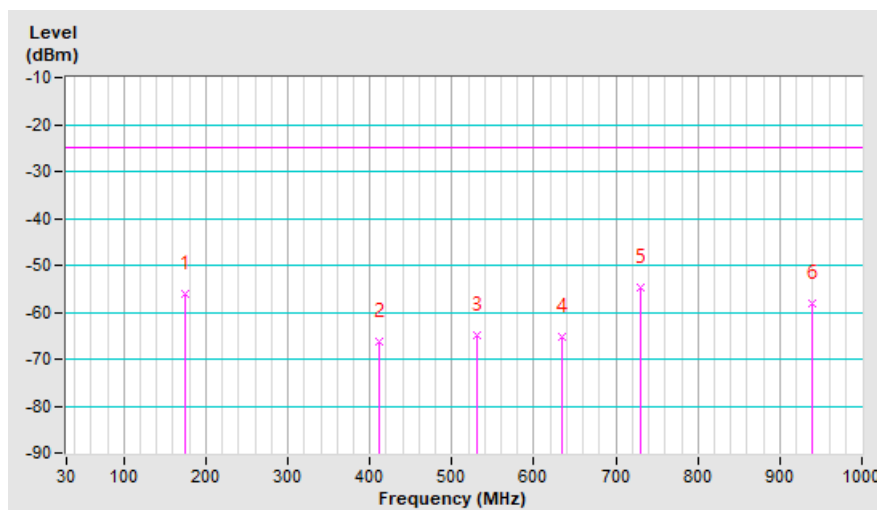


|                          |                                 |                 |                |
|--------------------------|---------------------------------|-----------------|----------------|
| Mode                     | TX channel 20825<br>(2507.5MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                      |                 |                |

| Antenna Polarity & Test Distance: Vertical at 3 M |             |               |                       |                        |            |             |             |
|---------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                               | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                 | 175.50      | -55.60        | -58.40                | 2.30                   | -56.10     | -25.00      | -31.10      |
| 2                                                 | 412.18      | -64.90        | -71.60                | 5.20                   | -66.40     | -25.00      | -41.40      |
| 3                                                 | 530.52      | -65.20        | -69.50                | 4.70                   | -64.80     | -25.00      | -39.80      |
| 4                                                 | 633.34      | -70.00        | -70.00                | 4.70                   | -65.30     | -25.00      | -40.30      |
| 5                                                 | 730.34      | -60.40        | -59.60                | 4.90                   | -54.70     | -25.00      | -29.70      |
| 6                                                 | 939.86      | -67.00        | -62.10                | 3.90                   | -58.20     | -25.00      | -33.20      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



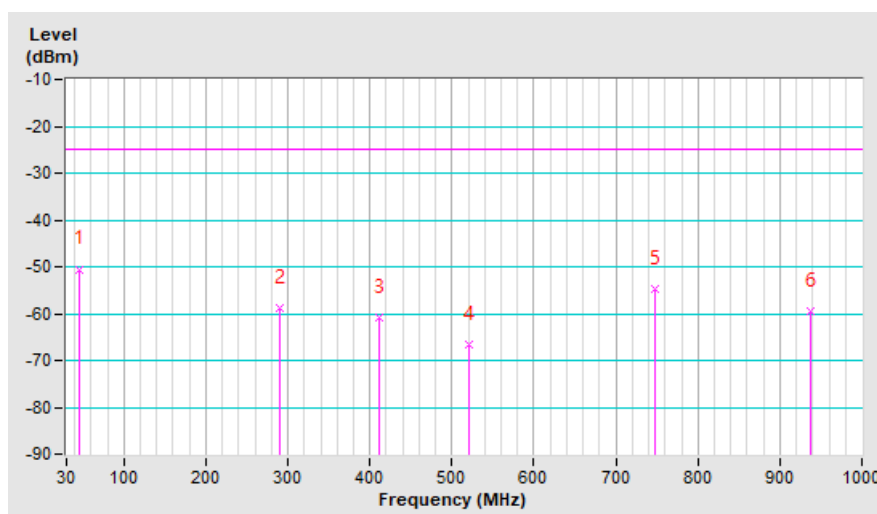
Channel Bandwidth: 20MHz

|                          |                               |                 |                |
|--------------------------|-------------------------------|-----------------|----------------|
| Mode                     | TX channel 20850<br>(2510MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH               | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                    |                 |                |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 45.52       | -51.90        | -40.50                | -10.00                 | -50.50     | -25.00      | -25.50      |
| 2                                                   | 289.96      | -55.60        | -64.00                | 5.20                   | -58.80     | -25.00      | -33.80      |
| 3                                                   | 412.18      | -60.00        | -66.10                | 5.20                   | -60.90     | -25.00      | -35.90      |
| 4                                                   | 520.82      | -65.80        | -71.50                | 4.80                   | -66.70     | -25.00      | -41.70      |
| 5                                                   | 747.80      | -58.20        | -59.30                | 4.70                   | -54.60     | -25.00      | -29.60      |
| 6                                                   | 937.92      | -66.70        | -63.50                | 3.90                   | -59.60     | -25.00      | -34.60      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

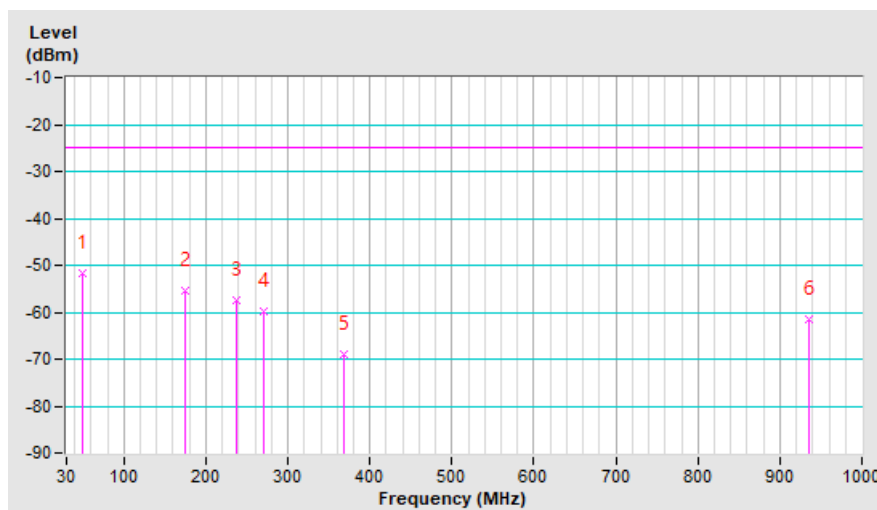


|                          |                               |                 |                |
|--------------------------|-------------------------------|-----------------|----------------|
| Mode                     | TX channel 20850<br>(2510MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH               | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                    |                 |                |

| Antenna Polarity & Test Distance: Vertical at 3 M |             |               |                       |                        |            |             |             |
|---------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                               | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                 | 49.40       | -45.60        | -42.50                | -9.30                  | -51.80     | -25.00      | -26.80      |
| 2                                                 | 175.50      | -54.80        | -57.60                | 2.30                   | -55.30     | -25.00      | -30.30      |
| 3                                                 | 237.58      | -57.60        | -62.80                | 5.40                   | -57.40     | -25.00      | -32.40      |
| 4                                                 | 270.56      | -62.90        | -65.00                | 5.30                   | -59.70     | -25.00      | -34.70      |
| 5                                                 | 367.56      | -67.70        | -74.10                | 5.20                   | -68.90     | -25.00      | -43.90      |
| 6                                                 | 935.98      | -70.30        | -65.50                | 3.90                   | -61.60     | -25.00      | -36.60      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



LTE Band 12

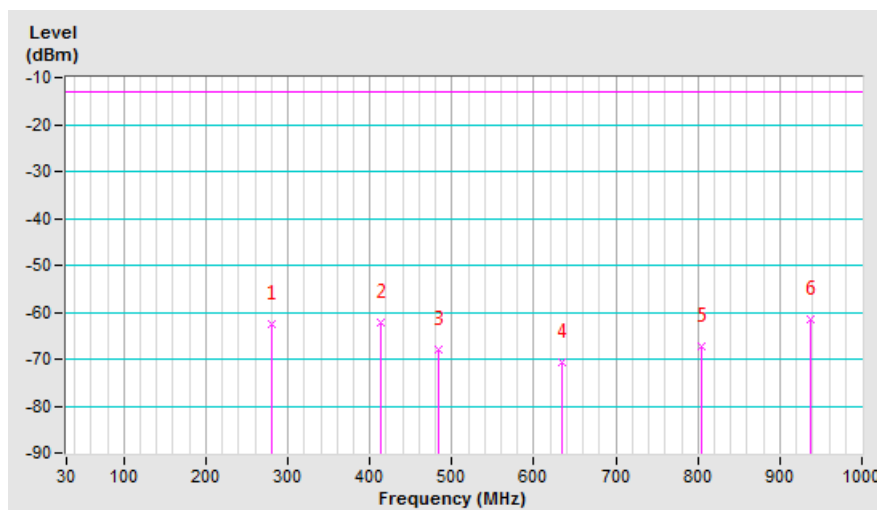
Channel Bandwidth: 1.4MHz

|                          |                                |                 |                |
|--------------------------|--------------------------------|-----------------|----------------|
| Mode                     | TX channel 23017<br>(699.7MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                     |                 |                |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 280.26      | -56.10        | -68.00                | 5.30                   | -62.70    | -13.00      | -49.70      |
| 2                                                   | 414.12      | -59.20        | -67.40                | 5.20                   | -62.20    | -13.00      | -49.20      |
| 3                                                   | 483.96      | -64.50        | -73.10                | 5.00                   | -68.10    | -13.00      | -55.10      |
| 4                                                   | 633.34      | -69.70        | -75.40                | 4.70                   | -70.70    | -13.00      | -57.70      |
| 5                                                   | 804.06      | -70.50        | -71.20                | 4.00                   | -67.20    | -13.00      | -54.20      |
| 6                                                   | 937.92      | -66.50        | -65.50                | 3.90                   | -61.60    | -13.00      | -48.60      |

Remarks:

1.  $ERP\ (dBm) = S.G\ Value\ (dBm) + Correction\ Factor\ (dB)$ .
2.  $Correction\ Factor\ (dB) = Substitution\ Antenna\ Gain\ (dB) + Cable\ Loss\ (dB)$ .

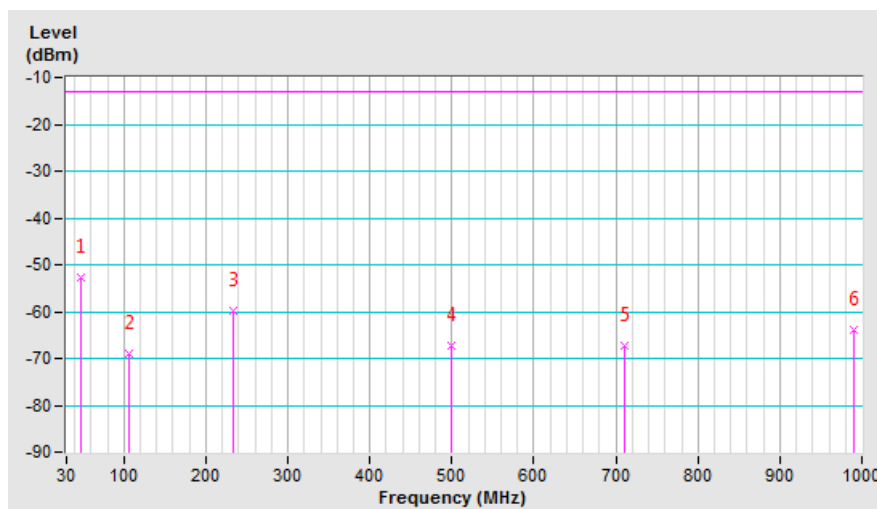


|                          |                                |                 |                |
|--------------------------|--------------------------------|-----------------|----------------|
| Mode                     | TX channel 23017<br>(699.7MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                     |                 |                |

| Antenna Polarity & Test Distance: Vertical at 3 M |             |               |                       |                        |           |             |             |
|---------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                               | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                 | 47.46       | -44.60        | -43.00                | -9.70                  | -52.70    | -13.00      | -39.70      |
| 2                                                 | 105.66      | -60.90        | -69.70                | 0.60                   | -69.10    | -13.00      | -56.10      |
| 3                                                 | 233.70      | -57.60        | -65.10                | 5.40                   | -59.70    | -13.00      | -46.70      |
| 4                                                 | 499.48      | -64.50        | -72.30                | 4.90                   | -67.40    | -13.00      | -54.40      |
| 5                                                 | 710.94      | -70.20        | -72.40                | 5.10                   | -67.30    | -13.00      | -54.30      |
| 6                                                 | 990.30      | -72.20        | -67.80                | 3.90                   | -63.90    | -13.00      | -50.90      |

Remarks:

- ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
- Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



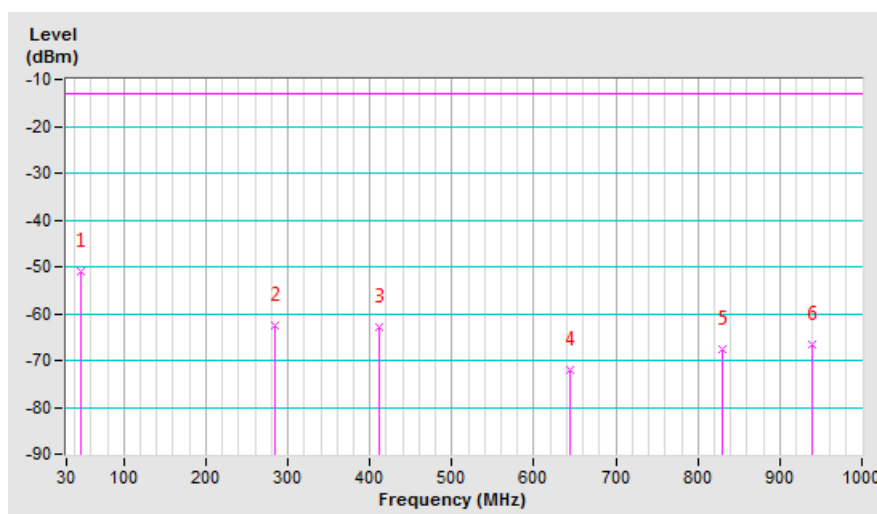
Channel Bandwidth: 3MHz

|                          |                                |                 |                |
|--------------------------|--------------------------------|-----------------|----------------|
| Mode                     | TX channel 23025<br>(700.5MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                     |                 |                |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 47.46       | -50.00        | -41.30                | -9.70                  | -51.00    | -13.00      | -38.00      |
| 2                                                   | 284.14      | -56.90        | -67.60                | 5.20                   | -62.40    | -13.00      | -49.40      |
| 3                                                   | 412.18      | -60.00        | -68.20                | 5.20                   | -63.00    | -13.00      | -50.00      |
| 4                                                   | 644.98      | -71.00        | -76.80                | 4.80                   | -72.00    | -13.00      | -59.00      |
| 5                                                   | 829.28      | -71.40        | -71.70                | 4.00                   | -67.70    | -13.00      | -54.70      |
| 6                                                   | 939.86      | -71.70        | -70.60                | 3.90                   | -66.70    | -13.00      | -53.70      |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

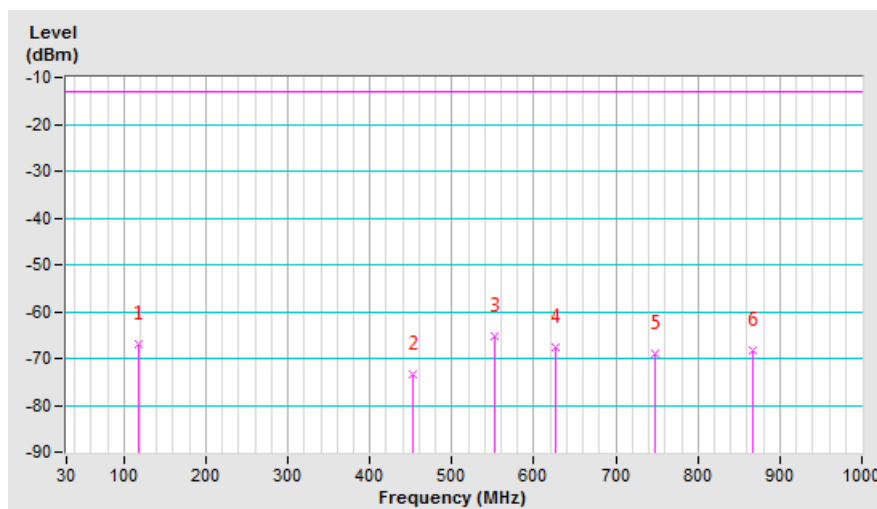


|                          |                                |                 |                |
|--------------------------|--------------------------------|-----------------|----------------|
| Mode                     | TX channel 23025<br>(700.5MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                     |                 |                |

| Antenna Polarity & Test Distance: Vertical at 3 M |             |               |                       |                        |           |             |             |
|---------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                               | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                 | 117.30      | -58.60        | -67.30                | 0.20                   | -67.10    | -13.00      | -54.10      |
| 2                                                 | 452.92      | -70.20        | -78.50                | 5.00                   | -73.50    | -13.00      | -60.50      |
| 3                                                 | 551.86      | -64.50        | -70.00                | 4.70                   | -65.30    | -13.00      | -52.30      |
| 4                                                 | 625.58      | -70.20        | -72.20                | 4.70                   | -67.50    | -13.00      | -54.50      |
| 5                                                 | 747.80      | -72.40        | -73.60                | 4.70                   | -68.90    | -13.00      | -55.90      |
| 6                                                 | 866.14      | -72.30        | -72.20                | 3.90                   | -68.30    | -13.00      | -55.30      |

Remarks:

- ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
- Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



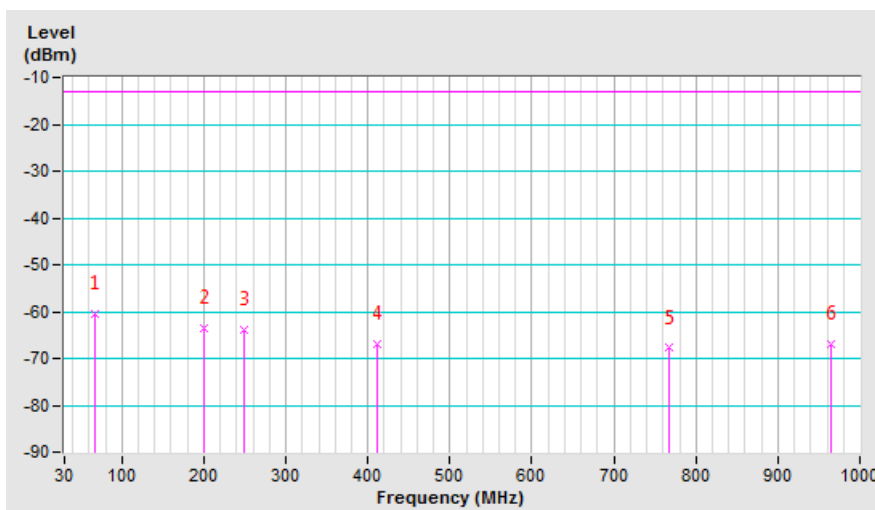
Channel Bandwidth: 5MHz

|                          |                                |                 |                |
|--------------------------|--------------------------------|-----------------|----------------|
| Mode                     | TX channel 23035<br>(701.5MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                     |                 |                |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 66.86       | -52.40        | -54.70                | -5.80                  | -60.50    | -13.00      | -47.50      |
| 2                                                   | 200.72      | -52.80        | -69.00                | 5.40                   | -63.60    | -13.00      | -50.60      |
| 3                                                   | 249.22      | -55.00        | -69.30                | 5.40                   | -63.90    | -13.00      | -50.90      |
| 4                                                   | 412.18      | -64.00        | -72.20                | 5.20                   | -67.00    | -13.00      | -54.00      |
| 5                                                   | 767.20      | -70.30        | -72.20                | 4.40                   | -67.80    | -13.00      | -54.80      |
| 6                                                   | 965.08      | -72.20        | -70.80                | 3.90                   | -66.90    | -13.00      | -53.90      |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

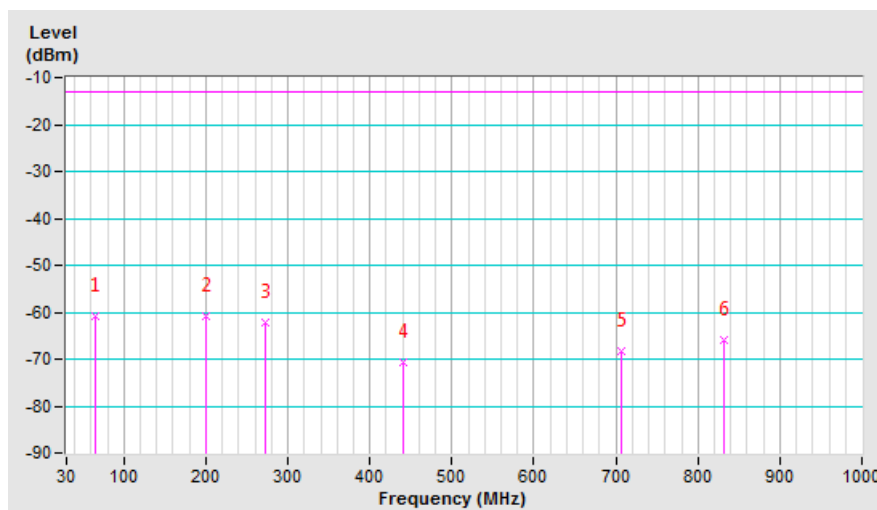


|                          |                                |                 |                |
|--------------------------|--------------------------------|-----------------|----------------|
| Mode                     | TX channel 23035<br>(701.5MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                     |                 |                |

| Antenna Polarity & Test Distance: Vertical at 3 M |             |               |                       |                        |           |             |             |
|---------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                               | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                 | 64.92       | -51.80        | -54.60                | -6.30                  | -60.90    | -13.00      | -47.90      |
| 2                                                 | 200.72      | -56.00        | -66.20                | 5.40                   | -60.80    | -13.00      | -47.80      |
| 3                                                 | 272.50      | -63.10        | -67.40                | 5.30                   | -62.10    | -13.00      | -49.10      |
| 4                                                 | 441.28      | -67.00        | -75.80                | 5.20                   | -70.60    | -13.00      | -57.60      |
| 5                                                 | 707.06      | -71.20        | -73.30                | 5.10                   | -68.20    | -13.00      | -55.20      |
| 6                                                 | 831.22      | -70.20        | -70.00                | 4.00                   | -66.00    | -13.00      | -53.00      |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



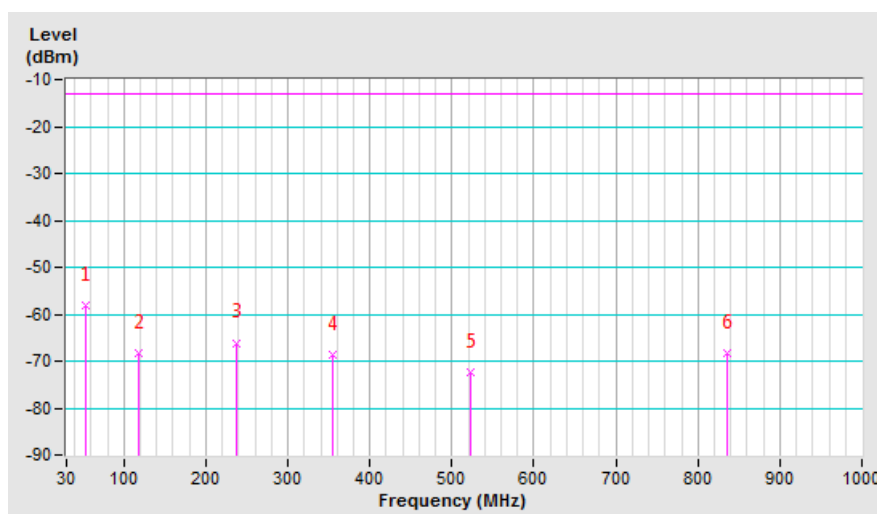
Channel Bandwidth: 10MHz

|                          |                              |                 |                |
|--------------------------|------------------------------|-----------------|----------------|
| Mode                     | TX channel 23060<br>(704MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH              | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                   |                 |                |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 53.28       | -54.40        | -49.60                | -8.50                  | -58.10    | -13.00      | -45.10      |
| 2                                                   | 117.30      | -58.60        | -68.40                | 0.20                   | -68.20    | -13.00      | -55.20      |
| 3                                                   | 237.58      | -55.50        | -71.50                | 5.40                   | -66.10    | -13.00      | -53.10      |
| 4                                                   | 353.98      | -63.40        | -73.80                | 5.20                   | -68.60    | -13.00      | -55.60      |
| 5                                                   | 522.76      | -69.50        | -77.30                | 4.80                   | -72.50    | -13.00      | -59.50      |
| 6                                                   | 835.10      | -72.00        | -72.30                | 4.00                   | -68.30    | -13.00      | -55.30      |

Remarks:

- ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
- Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

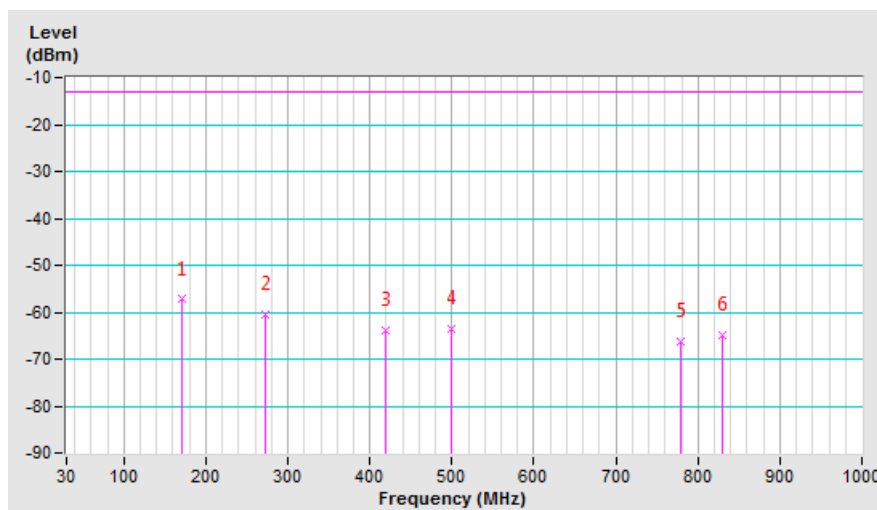


|                          |                           |                 |                |
|--------------------------|---------------------------|-----------------|----------------|
| Mode                     | TX channel 23060 (704MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH           | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                |                 |                |

| Antenna Polarity & Test Distance: Vertical at 3 M |             |               |                       |                        |           |             |             |
|---------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                               | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                 | 171.62      | -55.50        | -59.10                | 1.80                   | -57.30    | -13.00      | -44.30      |
| 2                                                 | 272.50      | -61.50        | -65.80                | 5.30                   | -60.50    | -13.00      | -47.50      |
| 3                                                 | 419.94      | -60.20        | -69.10                | 5.20                   | -63.90    | -13.00      | -50.90      |
| 4                                                 | 499.48      | -60.60        | -68.50                | 4.90                   | -63.60    | -13.00      | -50.60      |
| 5                                                 | 778.84      | -70.50        | -70.40                | 4.20                   | -66.20    | -13.00      | -53.20      |
| 6                                                 | 829.28      | -69.20        | -68.90                | 4.00                   | -64.90    | -13.00      | -51.90      |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



LTE Band 13

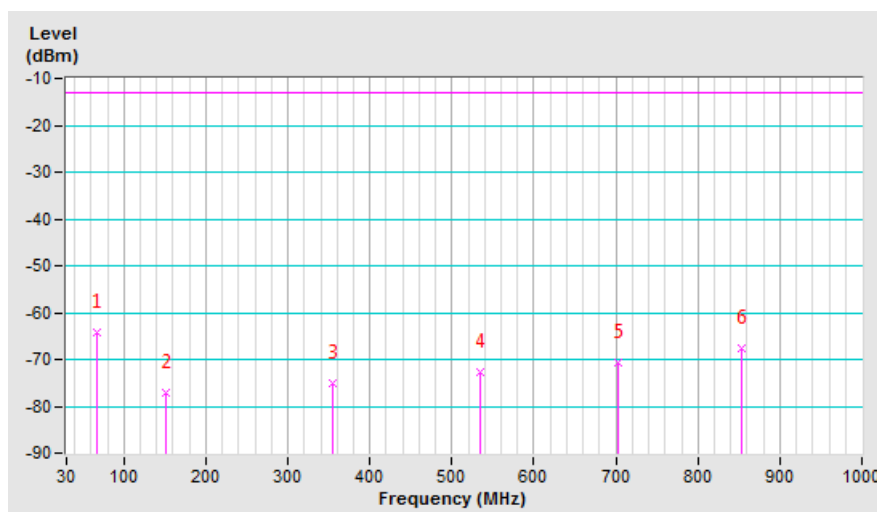
Channel Bandwidth: 5MHz

|                          |                                |                 |                |
|--------------------------|--------------------------------|-----------------|----------------|
| Mode                     | TX channel 23205<br>(779.5MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                     |                 |                |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 66.86       | -56.08        | -58.43                | -5.82                  | -64.25    | -13.00      | -51.25      |
| 2                                                   | 152.22      | -70.67        | -77.06                | -0.04                  | -77.10    | -13.00      | -64.10      |
| 3                                                   | 353.98      | -69.84        | -80.17                | 5.21                   | -74.96    | -13.00      | -61.96      |
| 4                                                   | 534.40      | -69.60        | -77.29                | 4.73                   | -72.56    | -13.00      | -59.56      |
| 5                                                   | 703.18      | -70.50        | -75.83                | 5.21                   | -70.62    | -13.00      | -57.62      |
| 6                                                   | 852.56      | -71.08        | -71.49                | 3.96                   | -67.53    | -13.00      | -54.53      |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

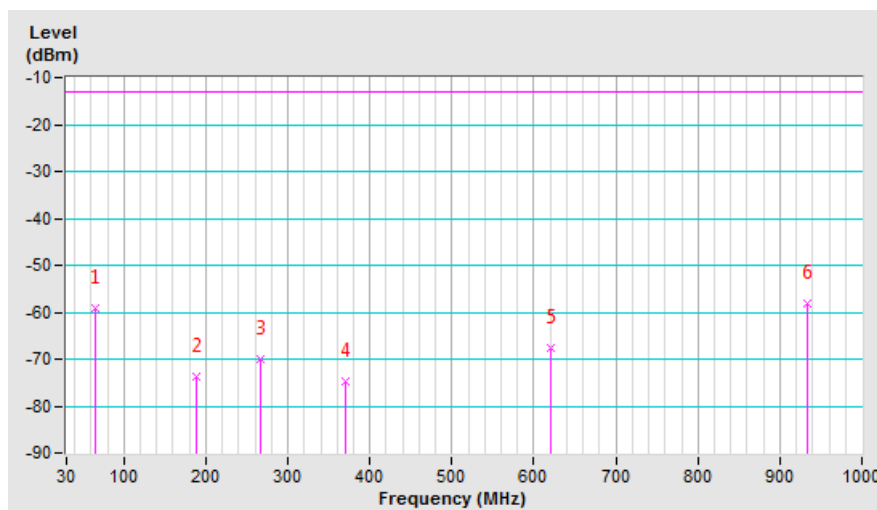


|                          |                                |                 |                |
|--------------------------|--------------------------------|-----------------|----------------|
| Mode                     | TX channel 23205<br>(779.5MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                     |                 |                |

| Antenna Polarity & Test Distance: Vertical at 3 M |             |               |                       |                        |           |             |             |
|---------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                               | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                 | 64.92       | -49.88        | -52.75                | -6.32                  | -59.07    | -13.00      | -46.07      |
| 2                                                 | 189.08      | -69.14        | -77.93                | 4.08                   | -73.85    | -13.00      | -60.85      |
| 3                                                 | 266.68      | -70.81        | -75.27                | 5.31                   | -69.96    | -13.00      | -56.96      |
| 4                                                 | 369.50      | -71.35        | -79.86                | 5.21                   | -74.65    | -13.00      | -61.65      |
| 5                                                 | 619.76      | -70.58        | -72.34                | 4.60                   | -67.74    | -13.00      | -54.74      |
| 6                                                 | 934.04      | -64.51        | -61.90                | 3.92                   | -57.98    | -13.00      | -44.98      |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



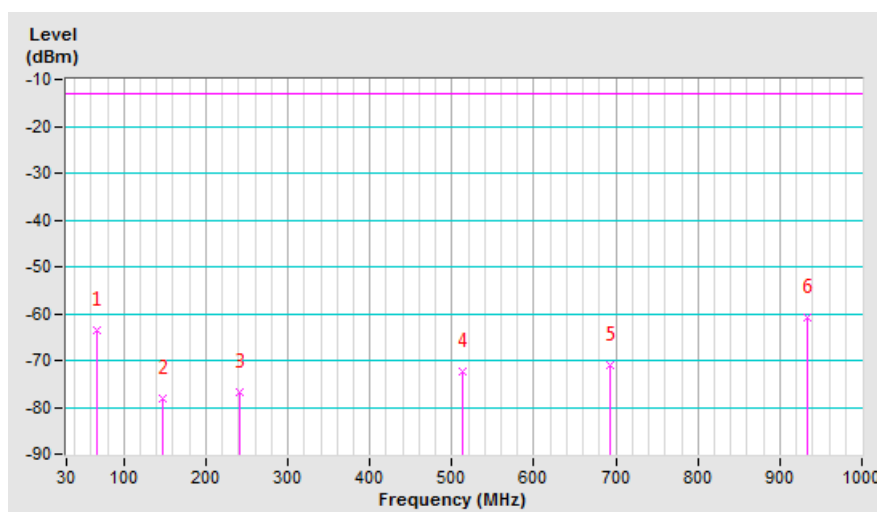
Channel Bandwidth: 10MHz

|                          |                                |                 |                |
|--------------------------|--------------------------------|-----------------|----------------|
| Mode                     | TX channel 23230<br>(782.0MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                     |                 |                |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 66.86       | -55.49        | -57.84                | -5.82                  | -63.66    | -13.00      | -50.66      |
| 2                                                   | 146.40      | -71.70        | -78.05                | -0.22                  | -78.27    | -13.00      | -65.27      |
| 3                                                   | 241.46      | -66.32        | -82.26                | 5.41                   | -76.85    | -13.00      | -63.85      |
| 4                                                   | 513.06      | -69.05        | -77.13                | 4.83                   | -72.30    | -13.00      | -59.30      |
| 5                                                   | 693.48      | -70.79        | -76.23                | 5.20                   | -71.03    | -13.00      | -58.03      |
| 6                                                   | 934.04      | -65.95        | -64.92                | 3.92                   | -61.00    | -13.00      | -48.00      |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

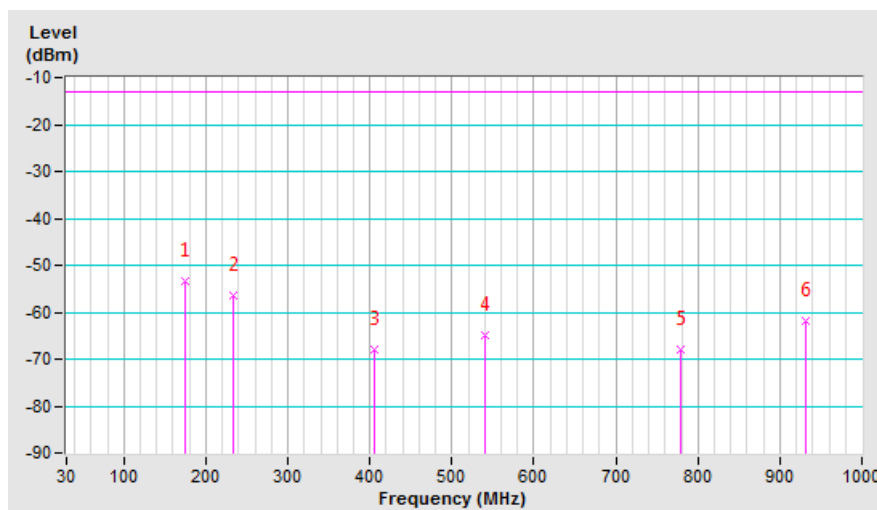


|                          |                                |                 |                |
|--------------------------|--------------------------------|-----------------|----------------|
| Mode                     | TX channel 23230<br>(782.0MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                     |                 |                |

| Antenna Polarity & Test Distance: Vertical at 3 M |             |               |                       |                        |           |             |             |
|---------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                               | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                 | 175.50      | -50.63        | -55.60                | 2.34                   | -53.26    | -13.00      | -40.26      |
| 2                                                 | 233.70      | -54.17        | -61.78                | 5.42                   | -56.36    | -13.00      | -43.36      |
| 3                                                 | 406.36      | -64.77        | -73.27                | 5.26                   | -68.01    | -13.00      | -55.01      |
| 4                                                 | 540.22      | -63.63        | -69.60                | 4.70                   | -64.90    | -13.00      | -51.90      |
| 5                                                 | 778.84      | -72.11        | -72.19                | 4.29                   | -67.90    | -13.00      | -54.90      |
| 6                                                 | 932.10      | -68.07        | -65.63                | 3.91                   | -61.72    | -13.00      | -48.72      |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



LTE Band 17

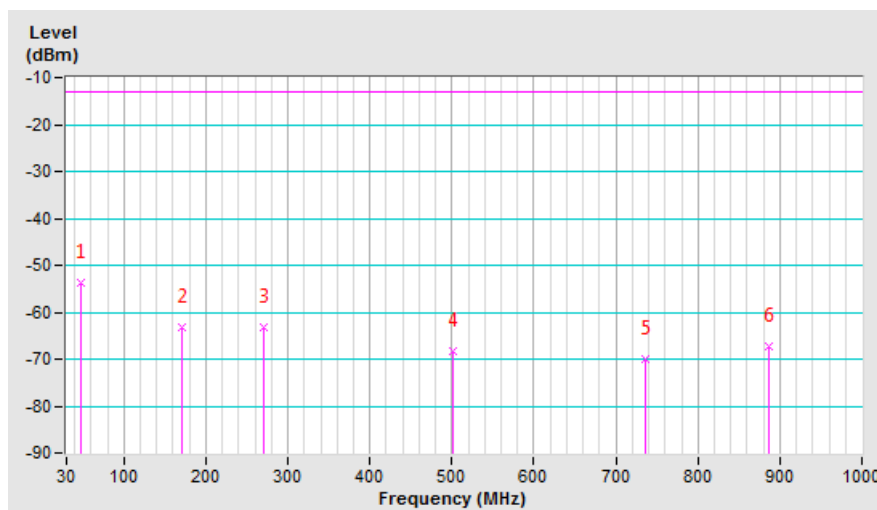
Channel Bandwidth: 5MHz

|                          |                                |                 |                |
|--------------------------|--------------------------------|-----------------|----------------|
| Mode                     | TX channel 23755<br>(706.5MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                     |                 |                |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 47.46       | -52.60        | -43.44                | -10.16                 | -53.60    | -13.00      | -40.60      |
| 2                                                   | 171.62      | -54.44        | -65.24                | 1.86                   | -63.38    | -13.00      | -50.38      |
| 3                                                   | 270.56      | -55.85        | -68.63                | 5.29                   | -63.34    | -13.00      | -50.34      |
| 4                                                   | 501.42      | -65.04        | -73.26                | 4.89                   | -68.37    | -13.00      | -55.37      |
| 5                                                   | 736.16      | -71.10        | -74.66                | 4.81                   | -69.85    | -13.00      | -56.85      |
| 6                                                   | 887.48      | -71.75        | -71.26                | 3.92                   | -67.34    | -13.00      | -54.34      |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

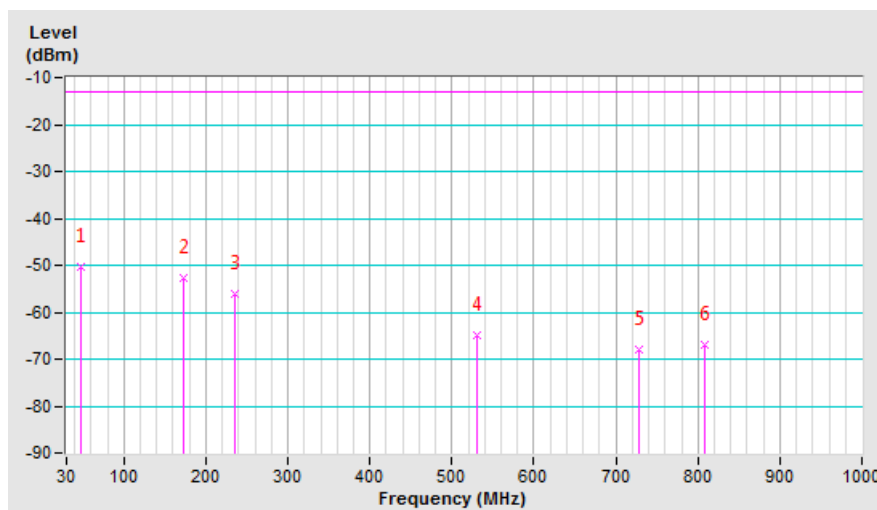


|                          |                                |                 |                |
|--------------------------|--------------------------------|-----------------|----------------|
| Mode                     | TX channel 23755<br>(706.5MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                     |                 |                |

| Antenna Polarity & Test Distance: Vertical at 3 M |             |               |                       |                        |           |             |             |
|---------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                               | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                 | 47.46       | -42.26        | -40.25                | -10.16                 | -50.41    | -13.00      | -37.41      |
| 2                                                 | 173.56      | -50.41        | -54.73                | 2.10                   | -52.63    | -13.00      | -39.63      |
| 3                                                 | 235.64      | -54.33        | -61.58                | 5.42                   | -56.16    | -13.00      | -43.16      |
| 4                                                 | 530.52      | -63.13        | -69.64                | 4.74                   | -64.90    | -13.00      | -51.90      |
| 5                                                 | 728.40      | -71.33        | -72.73                | 4.88                   | -67.85    | -13.00      | -54.85      |
| 6                                                 | 807.94      | -71.07        | -70.87                | 4.02                   | -66.85    | -13.00      | -53.85      |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



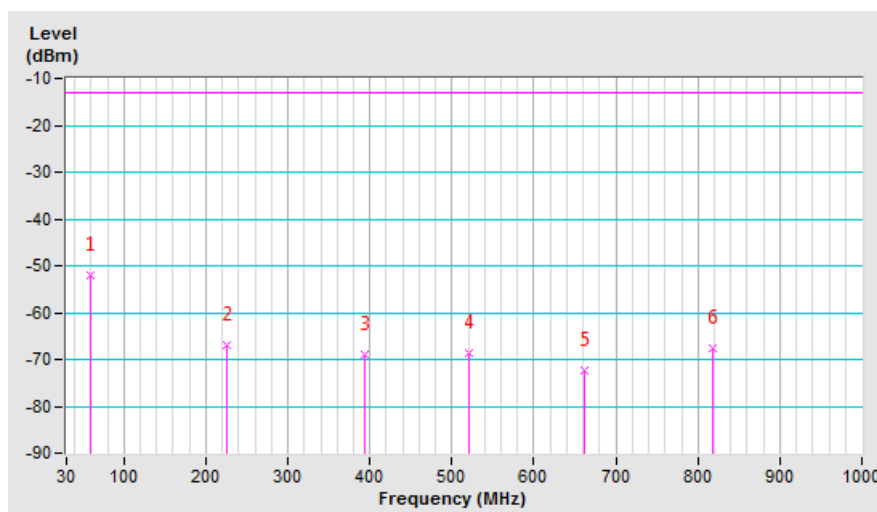
Channel Bandwidth: 10MHz

|                          |                                |                 |                |
|--------------------------|--------------------------------|-----------------|----------------|
| Mode                     | TX channel 23780<br>(710.0MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                     |                 |                |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 59.10       | -45.75        | -44.27                | -7.79                  | -52.06    | -13.00      | -39.06      |
| 2                                                   | 225.94      | -56.81        | -72.55                | 5.44                   | -67.11    | -13.00      | -54.11      |
| 3                                                   | 394.72      | -65.61        | -74.32                | 5.26                   | -69.06    | -13.00      | -56.06      |
| 4                                                   | 520.82      | -65.59        | -73.46                | 4.80                   | -68.66    | -13.00      | -55.66      |
| 5                                                   | 662.44      | -71.65        | -77.22                | 4.95                   | -72.27    | -13.00      | -59.27      |
| 6                                                   | 817.64      | -71.14        | -71.61                | 3.98                   | -67.63    | -13.00      | -54.63      |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

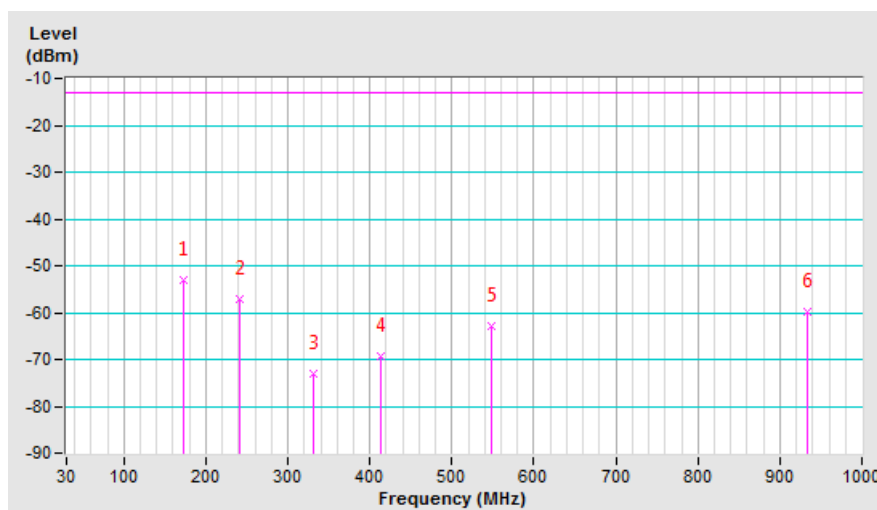


|                          |                                |                 |                |
|--------------------------|--------------------------------|-----------------|----------------|
| Mode                     | TX channel 23780<br>(710.0MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                     |                 |                |

| Antenna Polarity & Test Distance: Vertical at 3 M |             |               |                       |                        |           |             |             |
|---------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                               | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                 | 173.56      | -50.74        | -55.06                | 2.10                   | -52.96    | -13.00      | -39.96      |
| 2                                                 | 241.46      | -54.68        | -62.46                | 5.41                   | -57.05    | -13.00      | -44.05      |
| 3                                                 | 330.70      | -69.92        | -78.28                | 5.18                   | -73.10    | -13.00      | -60.10      |
| 4                                                 | 414.12      | -65.76        | -74.69                | 5.23                   | -69.46    | -13.00      | -56.46      |
| 5                                                 | 547.98      | -62.04        | -67.66                | 4.65                   | -63.01    | -13.00      | -50.01      |
| 6                                                 | 934.04      | -66.45        | -63.84                | 3.92                   | -59.92    | -13.00      | -46.92      |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



LTE Band 38

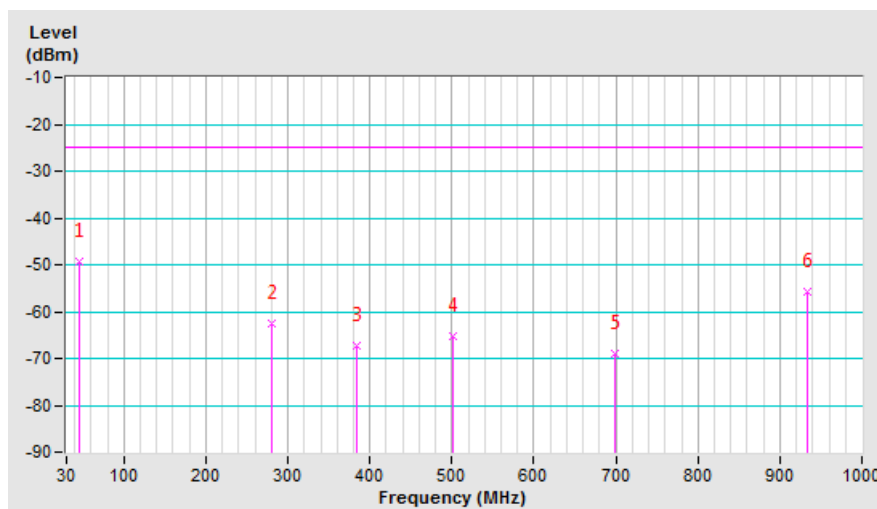
Channel Bandwidth: 5MHz

|                          |                                 |                 |                |
|--------------------------|---------------------------------|-----------------|----------------|
| Mode                     | TX channel 37775<br>(2572.5MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                      |                 |                |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 45.52       | -50.69        | -39.36                | -9.97                  | -49.33     | -25.00      | -24.33      |
| 2                                                   | 280.26      | -57.90        | -67.62                | 5.23                   | -62.39     | -25.00      | -37.39      |
| 3                                                   | 383.08      | -66.40        | -72.59                | 5.25                   | -67.34     | -25.00      | -42.34      |
| 4                                                   | 501.42      | -64.00        | -70.07                | 4.89                   | -65.18     | -25.00      | -40.18      |
| 5                                                   | 699.30      | -70.88        | -74.32                | 5.24                   | -69.08     | -25.00      | -44.08      |
| 6                                                   | 934.04      | -62.78        | -59.60                | 3.92                   | -55.68     | -25.00      | -30.68      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

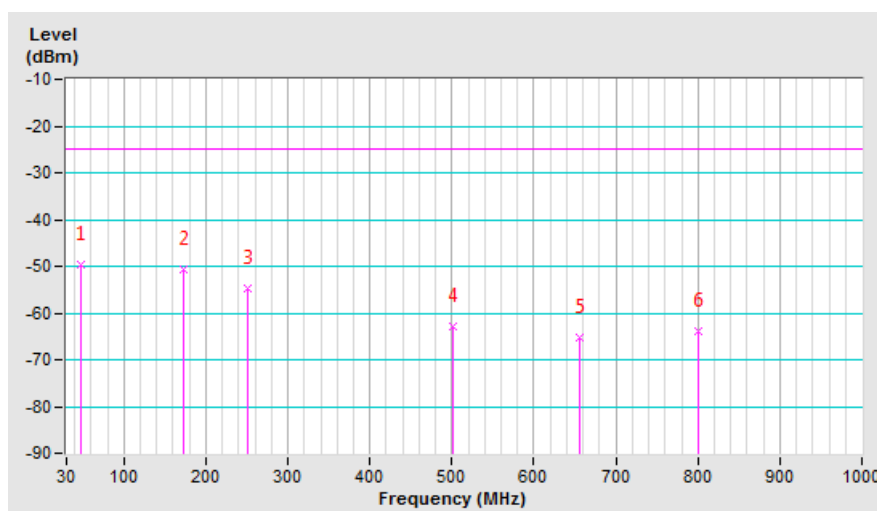


|                          |                                 |                 |                |
|--------------------------|---------------------------------|-----------------|----------------|
| Mode                     | TX channel 37775<br>(2572.5MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                      |                 |                |

| Antenna Polarity & Test Distance: Vertical at 3 M |             |               |                       |                        |            |             |             |
|---------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                               | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                 | 47.46       | -43.60        | -39.90                | -9.70                  | -49.60     | -25.00      | -24.60      |
| 2                                                 | 173.56      | -50.60        | -52.80                | 2.10                   | -50.70     | -25.00      | -25.70      |
| 3                                                 | 251.16      | -55.20        | -60.20                | 5.40                   | -54.80     | -25.00      | -29.80      |
| 4                                                 | 501.42      | -62.00        | -67.70                | 4.90                   | -62.80     | -25.00      | -37.80      |
| 5                                                 | 656.62      | -70.00        | -70.20                | 4.90                   | -65.30     | -25.00      | -40.30      |
| 6                                                 | 800.18      | -70.30        | -68.00                | 4.00                   | -64.00     | -25.00      | -39.00      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



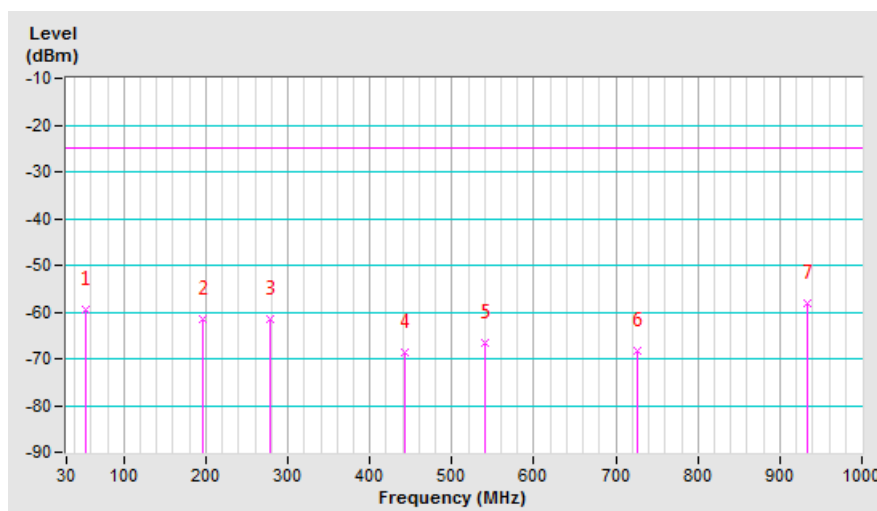
Channel Bandwidth: 10MHz

|                          |                                 |                 |                |
|--------------------------|---------------------------------|-----------------|----------------|
| Mode                     | TX channel 37800<br>(2575.0MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                      |                 |                |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 53.28       | -57.80        | -50.90                | -8.50                  | -59.40     | -25.00      | -34.40      |
| 2                                                   | 196.84      | -52.60        | -66.60                | 5.10                   | -61.50     | -25.00      | -36.50      |
| 3                                                   | 278.32      | -56.70        | -66.90                | 5.30                   | -61.60     | -25.00      | -36.60      |
| 4                                                   | 443.22      | -67.90        | -74.00                | 5.20                   | -68.80     | -25.00      | -43.80      |
| 5                                                   | 540.22      | -65.80        | -71.20                | 4.70                   | -66.50     | -25.00      | -41.50      |
| 6                                                   | 726.46      | -71.30        | -73.30                | 4.90                   | -68.40     | -25.00      | -43.40      |
| 7                                                   | 934.04      | -65.20        | -62.00                | 3.90                   | -58.10     | -25.00      | -33.10      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

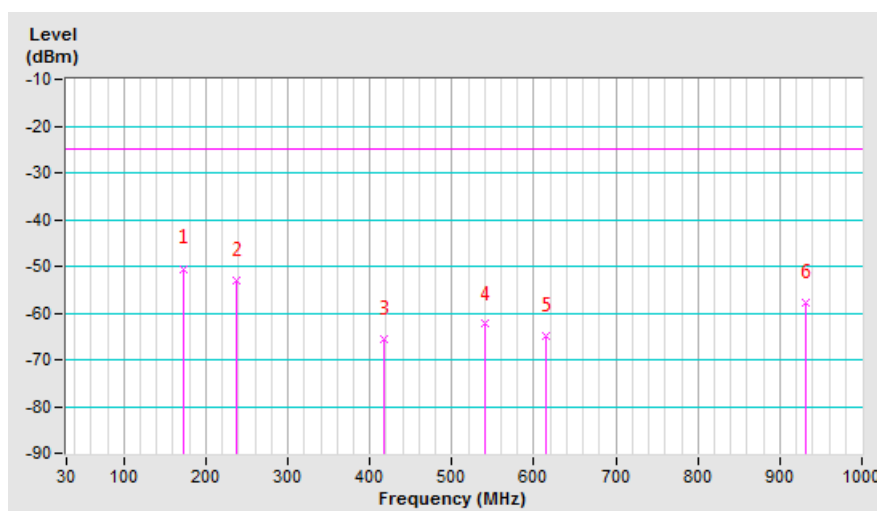


|                          |                              |                 |                |
|--------------------------|------------------------------|-----------------|----------------|
| Mode                     | TX channel 37800 (2575.0MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH              | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                   |                 |                |

| Antenna Polarity & Test Distance: Vertical at 3 M |             |               |                       |                        |            |             |             |
|---------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                               | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                 | 173.56      | -50.40        | -52.60                | 2.10                   | -50.50     | -25.00      | -25.50      |
| 2                                                 | 237.58      | -53.40        | -58.60                | 5.40                   | -53.20     | -25.00      | -28.20      |
| 3                                                 | 418.00      | -64.20        | -70.90                | 5.20                   | -65.70     | -25.00      | -40.70      |
| 4                                                 | 540.22      | -63.30        | -67.10                | 4.70                   | -62.40     | -25.00      | -37.40      |
| 5                                                 | 613.94      | -69.80        | -69.50                | 4.60                   | -64.90     | -25.00      | -39.90      |
| 6                                                 | 932.10      | -66.30        | -61.70                | 3.90                   | -57.80     | -25.00      | -32.80      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



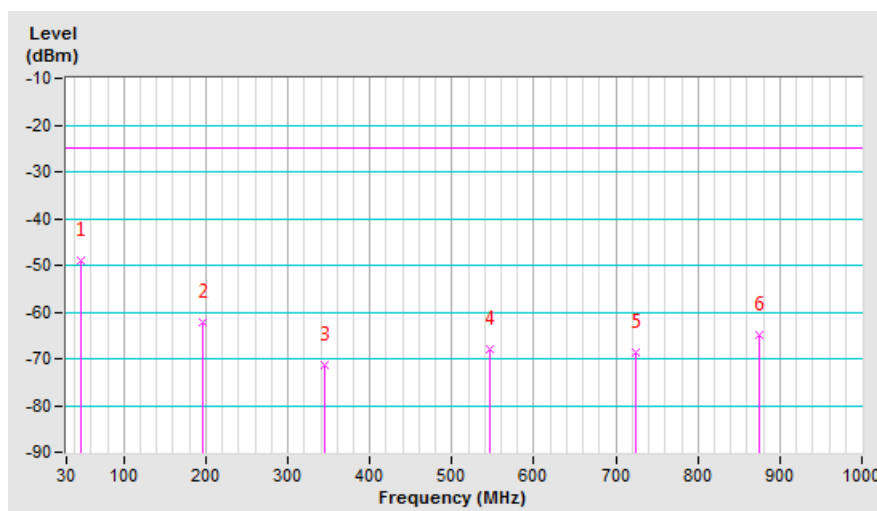
Channel Bandwidth: 15MHz

|                          |                                 |                 |                |
|--------------------------|---------------------------------|-----------------|----------------|
| Mode                     | TX channel 37825<br>(2577.5MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                      |                 |                |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 47.46       | -50.20        | -39.40                | -9.70                  | -49.10     | -25.00      | -24.10      |
| 2                                                   | 196.84      | -53.30        | -67.30                | 5.10                   | -62.20     | -25.00      | -37.20      |
| 3                                                   | 344.28      | -68.00        | -76.70                | 5.20                   | -71.50     | -25.00      | -46.50      |
| 4                                                   | 546.04      | -67.60        | -72.80                | 4.70                   | -68.10     | -25.00      | -43.10      |
| 5                                                   | 724.52      | -71.30        | -73.50                | 4.90                   | -68.60     | -25.00      | -43.60      |
| 6                                                   | 873.90      | -71.20        | -68.80                | 3.90                   | -64.90     | -25.00      | -39.90      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

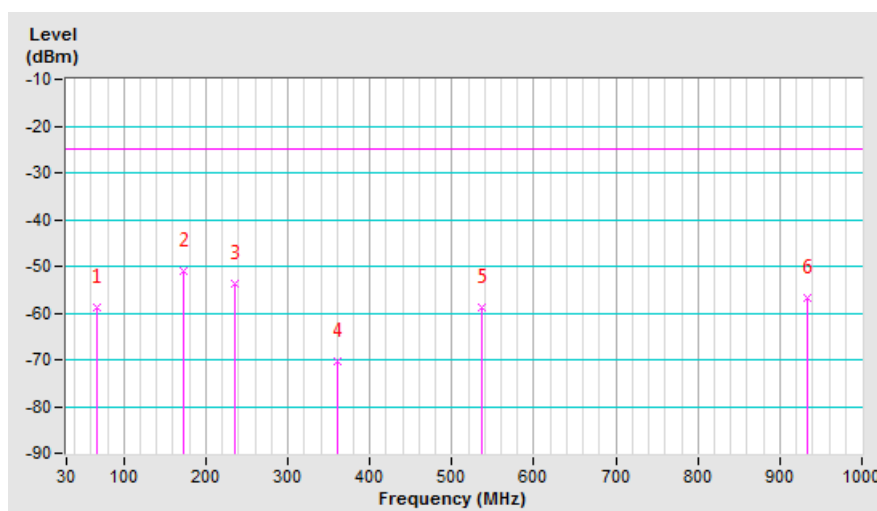


|                          |                                 |                 |                |
|--------------------------|---------------------------------|-----------------|----------------|
| Mode                     | TX channel 37825<br>(2577.5MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                      |                 |                |

| Antenna Polarity & Test Distance: Vertical at 3 M |             |               |                       |                        |            |             |             |
|---------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                               | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                 | 66.86       | -52.30        | -53.00                | -5.80                  | -58.80     | -25.00      | -33.80      |
| 2                                                 | 173.56      | -50.90        | -53.10                | 2.10                   | -51.00     | -25.00      | -26.00      |
| 3                                                 | 235.64      | -54.10        | -59.20                | 5.40                   | -53.80     | -25.00      | -28.80      |
| 4                                                 | 359.80      | -69.30        | -75.70                | 5.20                   | -70.50     | -25.00      | -45.50      |
| 5                                                 | 536.34      | -59.50        | -63.60                | 4.70                   | -58.90     | -25.00      | -33.90      |
| 6                                                 | 934.04      | -65.50        | -60.70                | 3.90                   | -56.80     | -25.00      | -31.80      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



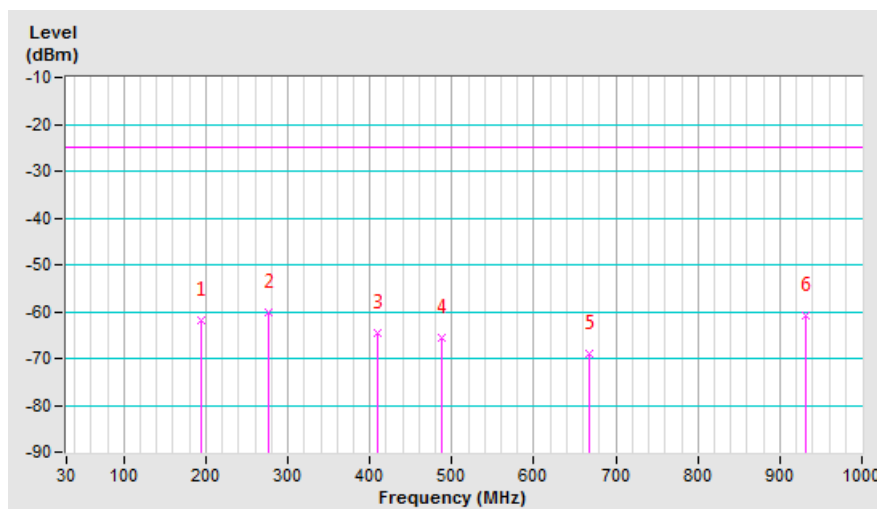
Channel Bandwidth: 20MHz

|                          |                              |                 |                |
|--------------------------|------------------------------|-----------------|----------------|
| Mode                     | TX channel 37850 (2580.0MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH              | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                   |                 |                |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 194.90      | -53.00        | -66.90                | 4.90                   | -62.00     | -25.00      | -37.00      |
| 2                                                   | 276.38      | -55.20        | -65.60                | 5.30                   | -60.30     | -25.00      | -35.30      |
| 3                                                   | 410.24      | -63.70        | -69.90                | 5.20                   | -64.70     | -25.00      | -39.70      |
| 4                                                   | 487.84      | -64.10        | -70.60                | 5.00                   | -65.60     | -25.00      | -40.60      |
| 5                                                   | 668.26      | -70.70        | -74.00                | 5.00                   | -69.00     | -25.00      | -44.00      |
| 6                                                   | 932.10      | -67.90        | -64.70                | 3.90                   | -60.80     | -25.00      | -35.80      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

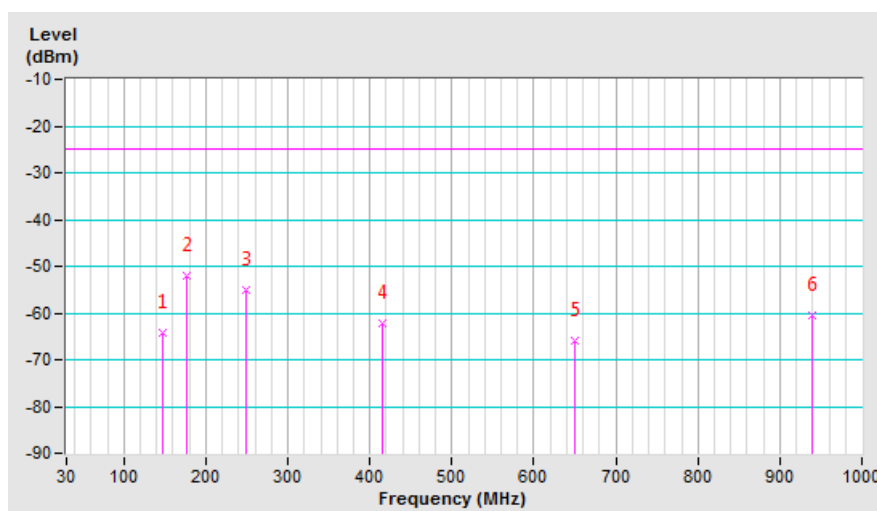


|                          |                                 |                 |                |
|--------------------------|---------------------------------|-----------------|----------------|
| Mode                     | TX channel 37850<br>(2580.0MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                      |                 |                |

| Antenna Polarity & Test Distance: Vertical at 3 M |             |               |                       |                        |            |             |             |
|---------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                               | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                 | 146.40      | -62.10        | -64.10                | -0.20                  | -64.30     | -25.00      | -39.30      |
| 2                                                 | 177.44      | -51.30        | -54.70                | 2.60                   | -52.10     | -25.00      | -27.10      |
| 3                                                 | 249.22      | -55.70        | -60.60                | 5.40                   | -55.20     | -25.00      | -30.20      |
| 4                                                 | 416.06      | -60.50        | -67.30                | 5.20                   | -62.10     | -25.00      | -37.10      |
| 5                                                 | 650.80      | -70.50        | -70.70                | 4.80                   | -65.90     | -25.00      | -40.90      |
| 6                                                 | 939.86      | -69.40        | -64.50                | 3.90                   | -60.60     | -25.00      | -35.60      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



LTE Band 41

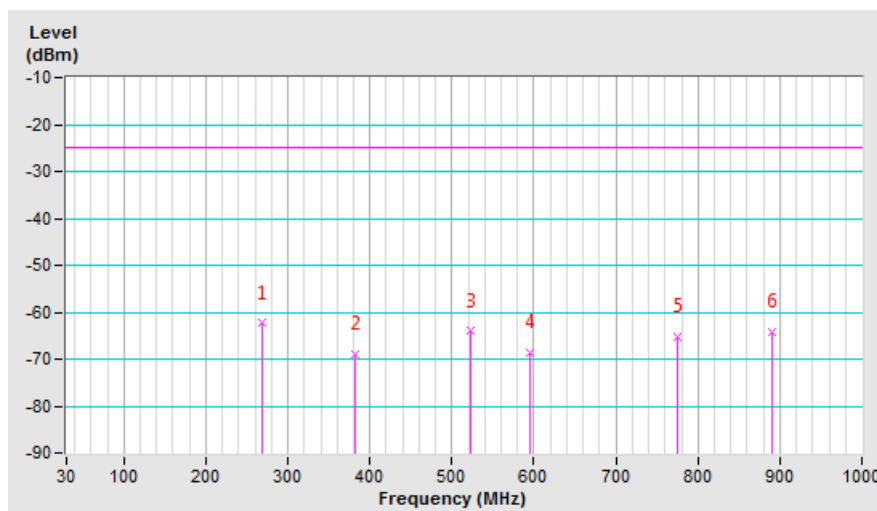
Channel Bandwidth: 5MHz

|                          |                                 |                 |                |
|--------------------------|---------------------------------|-----------------|----------------|
| Mode                     | TX channel 40165<br>(2547.5MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 71%RH                 | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                      |                 |                |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 268.62      | -57.0         | -67.7                 | 5.3                    | -62.4      | -25.0       | -37.4       |
| 2                                                   | 381.14      | -68.0         | -74.2                 | 5.3                    | -68.9      | -25.0       | -43.9       |
| 3                                                   | 522.76      | -63.2         | -68.9                 | 4.8                    | -64.1      | -25.0       | -39.1       |
| 4                                                   | 594.54      | -69.1         | -73.3                 | 4.5                    | -68.8      | -25.0       | -43.8       |
| 5                                                   | 774.96      | -70.4         | -69.6                 | 4.3                    | -65.3      | -25.0       | -40.3       |
| 6                                                   | 891.36      | -70.7         | -68.1                 | 3.9                    | -64.2      | -25.0       | -39.2       |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

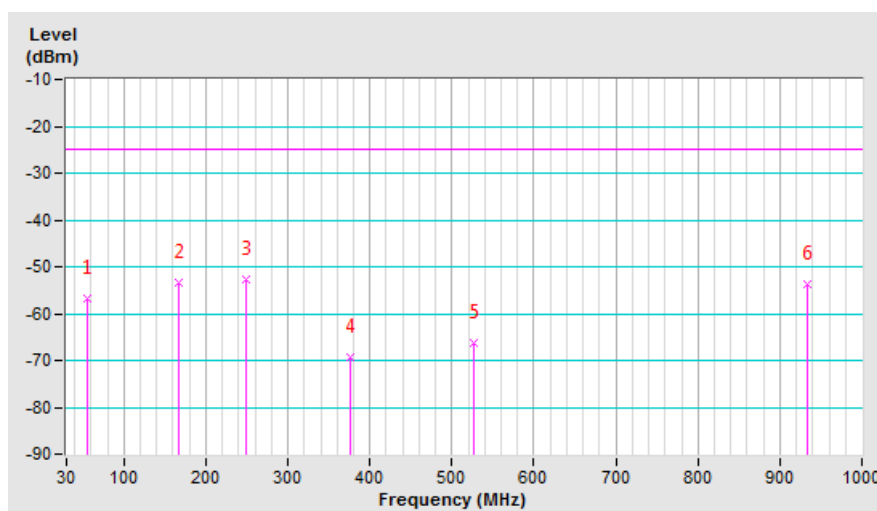


|                          |                                 |                 |                |
|--------------------------|---------------------------------|-----------------|----------------|
| Mode                     | TX channel 40165<br>(2547.5MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 71%RH                 | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                      |                 |                |

| Antenna Polarity & Test Distance: Vertical at 3 M |             |               |                       |                        |            |             |             |
|---------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                               | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                 | 55.22       | -50.3         | -48.2                 | -8.7                   | -56.9      | -25.0       | -31.9       |
| 2                                                 | 167.74      | -53.3         | -54.6                 | 1.3                    | -53.3      | -25.0       | -28.3       |
| 3                                                 | 249.22      | -53.2         | -58.1                 | 5.4                    | -52.7      | -25.0       | -27.7       |
| 4                                                 | 375.32      | -68.1         | -74.7                 | 5.3                    | -69.4      | -25.0       | -44.4       |
| 5                                                 | 526.64      | -66.6         | -71.2                 | 4.8                    | -66.4      | -25.0       | -41.4       |
| 6                                                 | 934.04      | -62.5         | -57.7                 | 3.9                    | -53.8      | -25.0       | -28.8       |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



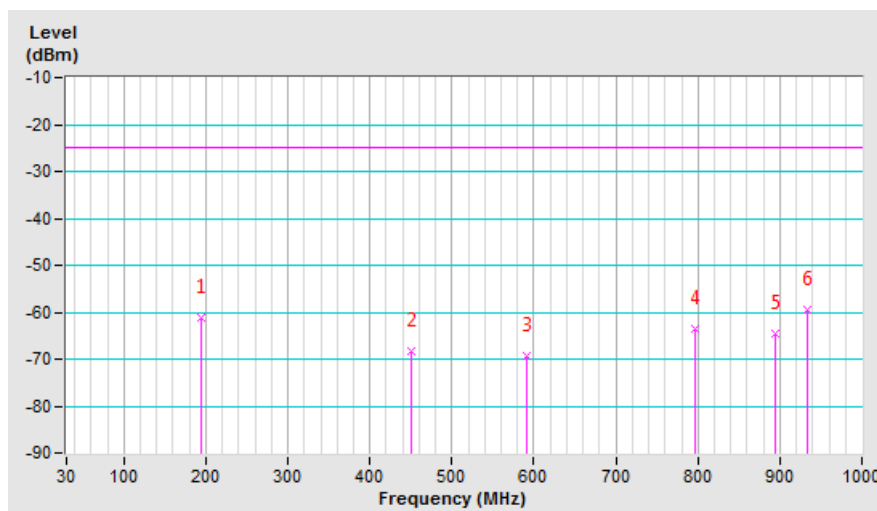
Channel Bandwidth: 10MHz

|                          |                                 |                 |                |
|--------------------------|---------------------------------|-----------------|----------------|
| Mode                     | TX channel 40190<br>(2550.0MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                      |                 |                |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 194.90      | -52.2         | -66.1                 | 4.9                    | -61.2      | -25.0       | -36.2       |
| 2                                                   | 450.98      | -67.3         | -73.4                 | 5.0                    | -68.4      | -25.0       | -43.4       |
| 3                                                   | 590.66      | -69.5         | -73.9                 | 4.5                    | -69.4      | -25.0       | -44.4       |
| 4                                                   | 796.30      | -69.1         | -67.8                 | 4.1                    | -63.7      | -25.0       | -38.7       |
| 5                                                   | 895.24      | -71.2         | -68.5                 | 3.9                    | -64.6      | -25.0       | -39.6       |
| 6                                                   | 934.04      | -66.7         | -63.5                 | 3.9                    | -59.6      | -25.0       | -34.6       |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

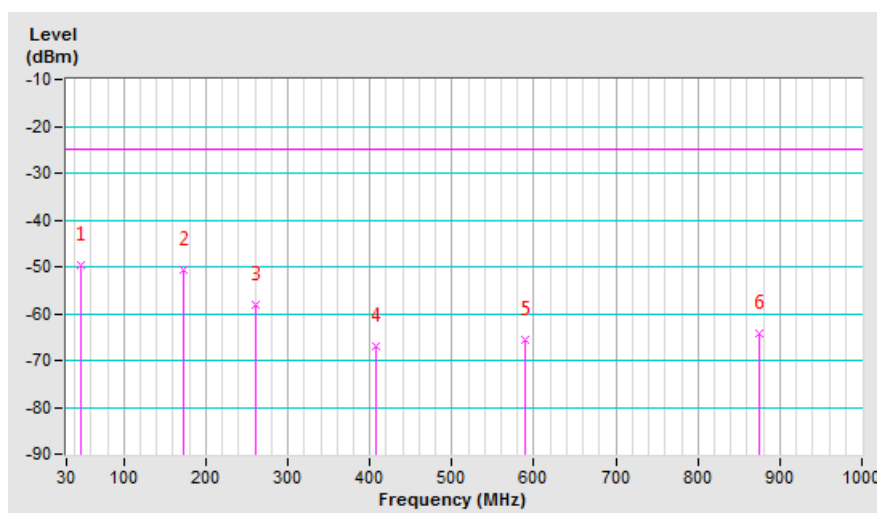


|                          |                                 |                 |                |
|--------------------------|---------------------------------|-----------------|----------------|
| Mode                     | TX channel 40190<br>(2550.0MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                      |                 |                |

| Antenna Polarity & Test Distance: Vertical at 3 M |             |               |                       |                        |            |             |             |
|---------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                               | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                 | 47.46       | -43.7         | -40.0                 | -9.7                   | -49.7      | -25.0       | -24.7       |
| 2                                                 | 173.56      | -50.6         | -52.8                 | 2.1                    | -50.7      | -25.0       | -25.7       |
| 3                                                 | 260.86      | -59.7         | -63.4                 | 5.3                    | -58.1      | -25.0       | -33.1       |
| 4                                                 | 408.30      | -65.6         | -72.0                 | 5.2                    | -66.8      | -25.0       | -41.8       |
| 5                                                 | 588.72      | -68.7         | -70.2                 | 4.5                    | -65.7      | -25.0       | -40.7       |
| 6                                                 | 873.90      | -70.8         | -68.1                 | 3.9                    | -64.2      | -25.0       | -39.2       |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



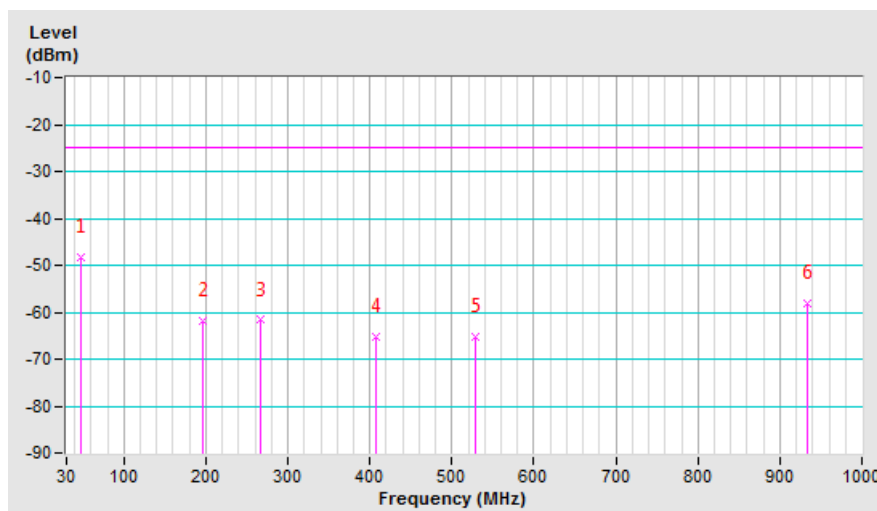
Channel Bandwidth: 15MHz

|                          |                                 |                 |                |
|--------------------------|---------------------------------|-----------------|----------------|
| Mode                     | TX channel 40215<br>(2552.5MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                      |                 |                |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 47.46       | -49.5         | -38.7                 | -9.7                   | -48.4      | -25.0       | -23.4       |
| 2                                                   | 196.84      | -53.1         | -67.1                 | 5.1                    | -62.0      | -25.0       | -37.0       |
| 3                                                   | 266.68      | -56.3         | -67.0                 | 5.3                    | -61.7      | -25.0       | -36.7       |
| 4                                                   | 408.30      | -64.2         | -70.4                 | 5.2                    | -65.2      | -25.0       | -40.2       |
| 5                                                   | 528.58      | -64.5         | -69.9                 | 4.7                    | -65.2      | -25.0       | -40.2       |
| 6                                                   | 934.04      | -65.2         | -62.0                 | 3.9                    | -58.1      | -25.0       | -33.1       |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

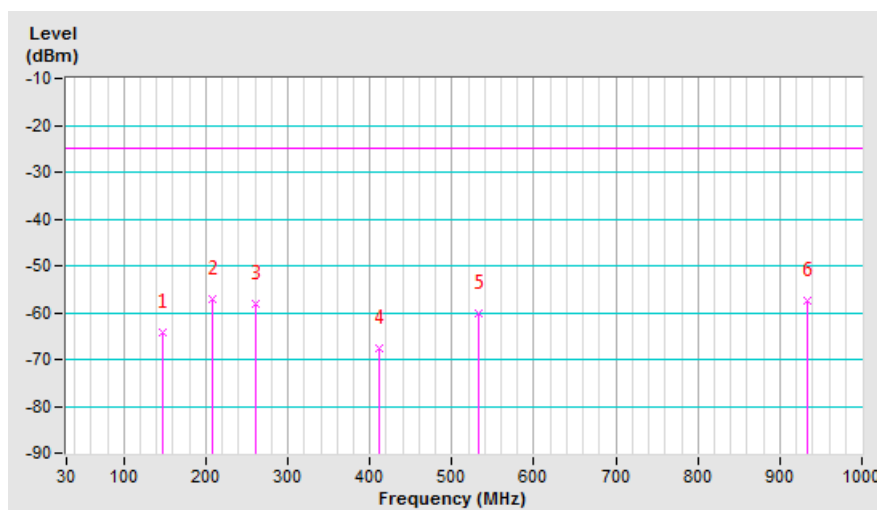


|                          |                                 |                 |                |
|--------------------------|---------------------------------|-----------------|----------------|
| Mode                     | TX channel 40215<br>(2552.5MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                      |                 |                |

| Antenna Polarity & Test Distance: Vertical at 3 M |             |               |                       |                        |            |             |             |
|---------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                               | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                 | 146.40      | -62.0         | -64.0                 | -0.2                   | -64.2      | -25.0       | -39.2       |
| 2                                                 | 208.48      | -55.7         | -62.4                 | 5.4                    | -57.0      | -25.0       | -32.0       |
| 3                                                 | 260.86      | -59.9         | -63.6                 | 5.3                    | -58.3      | -25.0       | -33.3       |
| 4                                                 | 412.18      | -66.0         | -72.7                 | 5.2                    | -67.5      | -25.0       | -42.5       |
| 5                                                 | 532.46      | -60.5         | -64.8                 | 4.7                    | -60.1      | -25.0       | -35.1       |
| 6                                                 | 934.04      | -66.1         | -61.3                 | 3.9                    | -57.4      | -25.0       | -32.4       |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



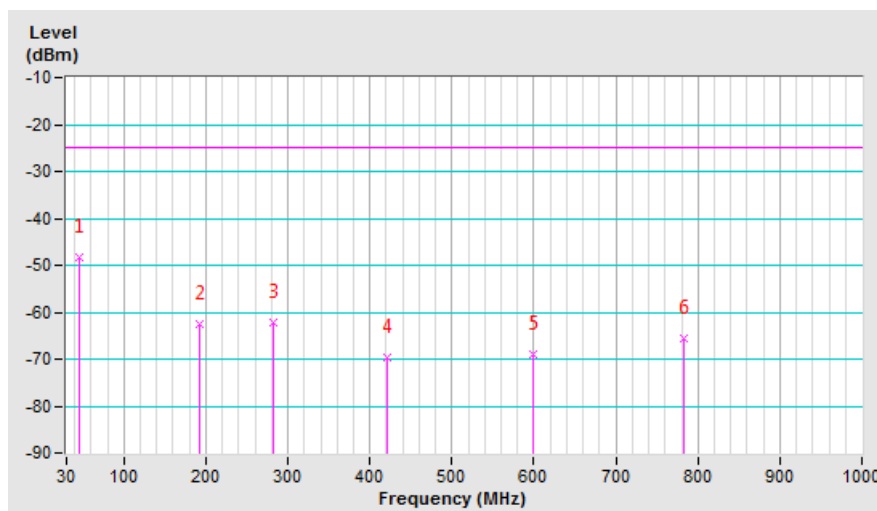
Channel Bandwidth: 20MHz

|                          |                                 |                 |                |
|--------------------------|---------------------------------|-----------------|----------------|
| Mode                     | TX channel 40240<br>(2555.0MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                      |                 |                |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 45.52       | -49.7         | -38.3                 | -10.0                  | -48.3      | -25.0       | -23.3       |
| 2                                                   | 192.96      | -53.5         | -67.1                 | 4.6                    | -62.5      | -25.0       | -37.5       |
| 3                                                   | 282.20      | -58.3         | -67.6                 | 5.3                    | -62.3      | -25.0       | -37.3       |
| 4                                                   | 421.88      | -68.1         | -74.8                 | 5.2                    | -69.6      | -25.0       | -44.6       |
| 5                                                   | 598.42      | -69.3         | -73.3                 | 4.4                    | -68.9      | -25.0       | -43.9       |
| 6                                                   | 782.72      | -70.9         | -69.9                 | 4.2                    | -65.7      | -25.0       | -40.7       |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

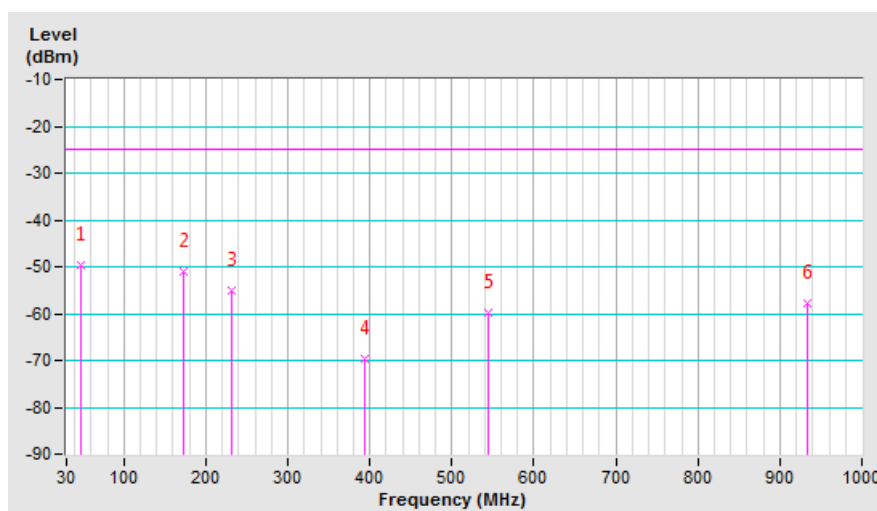


|                          |                                 |                 |                |
|--------------------------|---------------------------------|-----------------|----------------|
| Mode                     | TX channel 40240<br>(2555.0MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                      |                 |                |

| Antenna Polarity & Test Distance: Vertical at 3 M |             |               |                       |                        |            |             |             |
|---------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                               | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                 | 47.46       | -43.5         | -39.8                 | -9.7                   | -49.5      | -25.0       | -24.5       |
| 2                                                 | 173.56      | -51.0         | -53.2                 | 2.1                    | -51.1      | -25.0       | -26.1       |
| 3                                                 | 231.76      | -54.6         | -60.5                 | 5.4                    | -55.1      | -25.0       | -30.1       |
| 4                                                 | 392.78      | -68.8         | -74.8                 | 5.2                    | -69.6      | -25.0       | -44.6       |
| 5                                                 | 544.10      | -60.7         | -64.4                 | 4.7                    | -59.7      | -25.0       | -34.7       |
| 6                                                 | 934.04      | -66.5         | -61.7                 | 3.9                    | -57.8      | -25.0       | -32.8       |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



Above 1GHz  
WCDMA Band 4

|                          |                                |                 |              |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode                     | TX channel 1312<br>(1712.4MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                     |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3424.80     | -53.4         | -49.2                 | 7.1                    | -42.1      | -13.0       | -29.1       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3424.80     | -56.7         | -52.7                 | 7.1                    | -45.6      | -13.0       | -32.6       |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

|                          |                                |                 |              |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode                     | TX channel 1413<br>(1732.6MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                     |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3465.20     | -53.0         | -48.5                 | 7.1                    | -41.4      | -13.0       | -28.4       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3465.20     | -56.7         | -52.2                 | 7.1                    | -45.1      | -13.0       | -32.1       |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

|                          |                                |                 |              |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode                     | TX channel 1513<br>(1752.6MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                     |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3505.20     | -53.6         | -48.9                 | 7.2                    | -41.7      | -13.0       | -28.7       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3505.20     | -57.0         | -52.2                 | 7.2                    | -45.0      | -13.0       | -32.0       |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

LTE Band 4

Channel Bandwidth: 1.4MHz

|                          |                                 |                 |              |
|--------------------------|---------------------------------|-----------------|--------------|
| Mode                     | TX channel 19957<br>(1710.7MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                      |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3421.40     | -53.67        | -49.48                | 7.07                   | -42.41     | -13.00      | -29.41      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3421.40     | -56.08        | -49.54                | 7.07                   | -42.47     | -13.00      | -29.47      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

|                          |                                 |                 |              |
|--------------------------|---------------------------------|-----------------|--------------|
| Mode                     | TX channel 20175<br>(1732.5MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                      |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3465.00     | -54.23        | -49.35                | 7.16                   | -42.19     | -13.00      | -29.19      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3465.00     | -55.48        | -48.72                | 7.16                   | -41.56     | -13.00      | -28.56      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

|                          |                                 |                 |              |
|--------------------------|---------------------------------|-----------------|--------------|
| Mode                     | TX channel 20393<br>(1754.3MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                      |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3508.60     | -53.86        | -48.37                | 7.21                   | -41.16     | -13.00      | -28.16      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3508.60     | -56.12        | -49.19                | 7.21                   | -41.98     | -13.00      | -28.98      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Channel Bandwidth: 5MHz

|                          |                                 |                 |              |
|--------------------------|---------------------------------|-----------------|--------------|
| Mode                     | TX channel 19975<br>(1712.5MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                      |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3425.00     | -53.53        | -49.28                | 7.08                   | -42.20     | -13.00      | -29.20      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3425.00     | -55.70        | -49.14                | 7.08                   | -42.06     | -13.00      | -29.06      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

|                          |                                 |                 |              |
|--------------------------|---------------------------------|-----------------|--------------|
| Mode                     | TX channel 20175<br>(1732.5MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                      |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3465.00     | -54.02        | -49.14                | 7.16                   | -41.98     | -13.00      | -28.98      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3465.00     | -56.30        | -49.54                | 7.16                   | -42.38     | -13.00      | -29.38      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

|                          |                                 |                 |              |
|--------------------------|---------------------------------|-----------------|--------------|
| Mode                     | TX channel 20375<br>(1752.5MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                      |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3505.00     | -53.81        | -48.33                | 7.21                   | -41.12     | -13.00      | -28.12      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3505.00     | -56.09        | -49.15                | 7.21                   | -41.94     | -13.00      | -28.94      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Channel Bandwidth: 20MHz

|                          |                                 |                 |              |
|--------------------------|---------------------------------|-----------------|--------------|
| Mode                     | TX channel 20050<br>(1720.0MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                      |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3440.00     | -54.77        | -50.28                | 7.11                   | -43.17     | -13.00      | -30.17      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3440.00     | -55.43        | -48.80                | 7.11                   | -41.69     | -13.00      | -28.69      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

|                          |                                 |                 |              |
|--------------------------|---------------------------------|-----------------|--------------|
| Mode                     | TX channel 20175<br>(1732.5MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                      |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3465.00     | -54.27        | -49.39                | 7.16                   | -42.23     | -13.00      | -29.23      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3465.00     | -56.17        | -49.41                | 7.16                   | -42.25     | -13.00      | -29.25      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

|                          |                                 |                 |              |
|--------------------------|---------------------------------|-----------------|--------------|
| Mode                     | TX channel 20300<br>(1745.0MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                      |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3490.00     | -53.47        | -48.18                | 7.20                   | -40.98     | -13.00      | -27.98      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3490.00     | -55.70        | -48.80                | 7.20                   | -41.60     | -13.00      | -28.60      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

LTE Band 7

Channel Bandwidth: 5MHz

|                          |                                 |                 |              |
|--------------------------|---------------------------------|-----------------|--------------|
| Mode                     | TX channel 20775<br>(2502.5MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                      |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 5005.00     | -57.10        | -46.60                | 6.60                   | -40.00     | -25.00      | -15.00      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 5005.00     | -58.00        | -47.30                | 6.60                   | -40.70     | -25.00      | -15.70      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

|                          |                               |                 |              |
|--------------------------|-------------------------------|-----------------|--------------|
| Mode                     | TX channel 21100<br>(2535MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH               | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                    |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 5070.00     | -57.00        | -45.70                | 6.60                   | -39.10     | -25.00      | -14.10      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 5070.00     | -58.30        | -47.50                | 6.60                   | -40.90     | -25.00      | -15.90      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

|                          |                                 |                 |              |
|--------------------------|---------------------------------|-----------------|--------------|
| Mode                     | TX channel 21425<br>(2567.5MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                      |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 5135.00     | -56.70        | -44.80                | 6.60                   | -38.20     | -25.00      | -13.20      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 5135.00     | -58.60        | -48.00                | 6.60                   | -41.40     | -25.00      | -16.40      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Channel Bandwidth: 20MHz

|                          |                               |                 |              |
|--------------------------|-------------------------------|-----------------|--------------|
| Mode                     | TX channel 20850<br>(2510MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH               | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                    |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 5020.00     | -57.00        | -46.30                | 6.60                   | -39.70     | -25.00      | -14.70      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 5020.00     | -58.20        | -47.50                | 6.60                   | -40.90     | -25.00      | -15.90      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

|                          |                               |                 |              |
|--------------------------|-------------------------------|-----------------|--------------|
| Mode                     | TX channel 21100<br>(2535MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH               | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                    |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 5070.00     | -56.90        | -45.60                | 6.60                   | -39.00     | -25.00      | -14.00      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 5070.00     | -57.70        | -46.90                | 6.60                   | -40.30     | -25.00      | -15.30      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

|                          |                               |                 |              |
|--------------------------|-------------------------------|-----------------|--------------|
| Mode                     | TX channel 21350<br>(2560MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH               | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                    |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 5120.00     | -56.50        | -44.70                | 6.60                   | -38.10     | -25.00      | -13.10      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 5120.00     | -57.70        | -47.00                | 6.60                   | -40.40     | -25.00      | -15.40      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

LTE Band 12

Channel Bandwidth: 1.4MHz

|                          |                                |                 |              |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode                     | TX channel 23017<br>(699.7MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                     |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1399.40     | -56.2         | -58.1                 | 4.7                    | -53.4     | -13.0       | -40.4       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1399.40     | -52.8         | -54.5                 | 4.7                    | -49.8     | -13.0       | -36.8       |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

|                          |                                |                 |              |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode                     | TX channel 23095<br>(707.5MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                     |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1415.00     | -56.5         | -58.3                 | 4.7                    | -53.6     | -13.0       | -40.6       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1415.00     | -53.2         | -54.9                 | 4.7                    | -50.2     | -13.0       | -37.2       |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

|                          |                                |                 |              |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode                     | TX channel 23173<br>(715.3MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                     |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1430.60     | -55.9         | -57.8                 | 4.8                    | -53.0     | -13.0       | -40.0       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1430.60     | -52.2         | -54.0                 | 4.8                    | -49.2     | -13.0       | -36.2       |

Remarks:

1.  $ERP (dBm) = S.G \text{ Value (dBm)} + \text{Correction Factor (dB)}$ .
2.  $\text{Correction Factor (dB)} = \text{Substitution Antenna Gain (dB)} + \text{Cable Loss (dB)}$ .

Channel Bandwidth: 5MHz

|                          |                                |                 |              |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode                     | TX channel 23035<br>(701.5MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                     |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1403.00     | -55.8         | -57.6                 | 4.7                    | -52.9     | -13.0       | -39.9       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1403.00     | -52.6         | -54.3                 | 4.7                    | -49.6     | -13.0       | -36.6       |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

|                          |                                |                 |              |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode                     | TX channel 23095<br>(707.5MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                     |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1415.00     | -56.5         | -58.3                 | 4.7                    | -53.6     | -13.0       | -40.6       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1415.00     | -52.9         | -54.6                 | 4.7                    | -49.9     | -13.0       | -36.9       |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

|                          |                                |                 |              |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode                     | TX channel 23155<br>(713.5MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                     |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1427.00     | -56.1         | -58.0                 | 4.8                    | -53.2     | -13.0       | -40.2       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1427.00     | -53.2         | -55.0                 | 4.8                    | -50.2     | -13.0       | -37.2       |

Remarks:

1.  $ERP (dBm) = S.G \text{ Value (dBm)} + \text{Correction Factor (dB)}$ .
2.  $\text{Correction Factor (dB)} = \text{Substitution Antenna Gain (dB)} + \text{Cable Loss (dB)}$ .

Channel Bandwidth: 10MHz

|                          |                              |                 |              |
|--------------------------|------------------------------|-----------------|--------------|
| Mode                     | TX channel 23060<br>(704MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH              | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                   |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1408.00     | -56.2         | -58.1                 | 4.7                    | -53.4     | -13.0       | -40.4       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1408.00     | -52.9         | -54.6                 | 4.7                    | -49.9     | -13.0       | -36.9       |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

|                          |                                |                 |              |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode                     | TX channel 23095<br>(707.5MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                     |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1415.00     | -55.8         | -57.6                 | 4.7                    | -52.9     | -13.0       | -39.9       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1415.00     | -52.8         | -54.4                 | 4.7                    | -49.7     | -13.0       | -36.7       |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

|                          |                              |                 |              |
|--------------------------|------------------------------|-----------------|--------------|
| Mode                     | TX channel 23130<br>(711MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH              | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                   |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1422.00     | -56.8         | -58.7                 | 4.8                    | -53.9     | -13.0       | -40.9       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1422.00     | -52.6         | -54.4                 | 4.8                    | -49.6     | -13.0       | -36.6       |

Remarks:

1.  $ERP (dBm) = S.G \text{ Value (dBm)} + \text{Correction Factor (dB)}$ .
2.  $\text{Correction Factor (dB)} = \text{Substitution Antenna Gain (dB)} + \text{Cable Loss (dB)}$ .

LTE Band 13

Channel Bandwidth: 5MHz

|                          |                                |                 |              |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode                     | TX channel 23205<br>(779.5MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                     |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1559.00     | -49.20        | -52.50                | 5.30                   | -47.20    | -40.00      | -7.20       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1559.00     | -54.20        | -57.10                | 5.30                   | -51.80    | -40.00      | -11.80      |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

|                          |                                |                 |              |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode                     | TX channel 23230<br>(782.0MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                     |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1564.00     | -49.20        | -52.50                | 5.30                   | -47.20    | -40.00      | -7.20       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1564.00     | -54.40        | -57.20                | 5.30                   | -51.90    | -40.00      | -11.90      |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

|                          |                                |                 |              |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode                     | TX channel 23255<br>(784.5MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                     |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1569.00     | -49.80        | -53.20                | 5.30                   | -47.90    | -40.00      | -7.90       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1569.00     | -53.90        | -56.70                | 5.30                   | -51.40    | -40.00      | -11.40      |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Channel Bandwidth: 10MHz

|                          |                                |                 |              |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode                     | TX channel 23230<br>(782.0MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                     |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1564.00     | -50.00        | -53.30                | 5.30                   | -48.00    | -40.00      | -8.00       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1564.00     | -54.50        | -57.30                | 5.30                   | -52.00    | -40.00      | -12.00      |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

LTE Band 17

Channel Bandwidth: 5MHz

|                          |                                |                 |              |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode                     | TX channel 23755<br>(706.5MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                     |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1413.00     | -56.60        | -58.60                | 4.70                   | -53.90    | -13.00      | -40.90      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1413.00     | -52.80        | -54.80                | 4.70                   | -50.10    | -13.00      | -37.10      |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

|                          |                                |                 |              |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode                     | TX channel 23790<br>(710.0MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                     |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1420.00     | -55.80        | -57.80                | 4.80                   | -53.00    | -13.00      | -40.00      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1420.00     | -52.90        | -55.00                | 4.80                   | -50.20    | -13.00      | -37.20      |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

|                          |                                |                 |              |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode                     | TX channel 23825<br>(713.5MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                     |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1427.00     | -55.60        | -57.70                | 4.80                   | -52.90    | -13.00      | -39.90      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1427.00     | -52.30        | -54.60                | 4.80                   | -49.80    | -13.00      | -36.80      |

Remarks:

1.  $ERP (dBm) = S.G \text{ Value (dBm)} + \text{Correction Factor (dB)}$ .
2.  $\text{Correction Factor (dB)} = \text{Substitution Antenna Gain (dB)} + \text{Cable Loss (dB)}$ .

Channel Bandwidth: 10MHz

|                          |                                |                 |              |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode                     | TX channel 23780<br>(709.0MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                     |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1418.00     | -56.90        | -58.90                | 4.80                   | -54.10    | -13.00      | -41.10      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1418.00     | -52.60        | -54.80                | 4.80                   | -50.00    | -13.00      | -37.00      |

Remarks:

1.  $ERP (dBm) = S.G \text{ Value (dBm)} + \text{Correction Factor (dB)}$ .
2.  $\text{Correction Factor (dB)} = \text{Substitution Antenna Gain (dB)} + \text{Cable Loss (dB)}$ .

|                          |                                |                 |              |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode                     | TX channel 23790<br>(710.0MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                     |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1420.00     | -56.20        | -58.30                | 4.80                   | -53.50    | -13.00      | -40.50      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1420.00     | -52.20        | -54.40                | 4.80                   | -49.60    | -13.00      | -36.60      |

Remarks:

1.  $ERP (dBm) = S.G \text{ Value (dBm)} + \text{Correction Factor (dB)}$ .
2.  $\text{Correction Factor (dB)} = \text{Substitution Antenna Gain (dB)} + \text{Cable Loss (dB)}$ .

|                          |                                |                 |              |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode                     | TX channel 23800<br>(711.0MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                     |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |           |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|-----------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1422.00     | -56.80        | -58.80                | 4.80                   | -54.00    | -13.00      | -41.00      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |           |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | ERP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1422.00     | -52.40        | -54.70                | 4.80                   | -49.90    | -13.00      | -36.90      |

Remarks:

1.  $ERP (dBm) = S.G \text{ Value (dBm)} + \text{Correction Factor (dB)}$ .
2.  $\text{Correction Factor (dB)} = \text{Substitution Antenna Gain (dB)} + \text{Cable Loss (dB)}$ .

LTE Band 38

Channel Bandwidth: 5MHz

|                          |                                 |                 |              |
|--------------------------|---------------------------------|-----------------|--------------|
| Mode                     | TX channel 37775<br>(2572.5MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                      |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 5145.00     | -59.30        | -47.40                | 6.60                   | -40.80     | -25.00      | -15.80      |
| Antenna Polarity & Test Distance: Vertical at 3 m   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 5145.00     | -60.30        | -49.70                | 6.60                   | -43.10     | -25.00      | -18.10      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

|                          |                                 |                 |              |
|--------------------------|---------------------------------|-----------------|--------------|
| Mode                     | TX channel 38000<br>(2595.0MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                      |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 5190.00     | -59.80        | -47.80                | 6.70                   | -41.10     | -25.00      | -16.10      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 5190.00     | -61.00        | -50.80                | 6.70                   | -44.10     | -25.00      | -19.10      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

|                          |                                 |                 |              |
|--------------------------|---------------------------------|-----------------|--------------|
| Mode                     | TX channel 38225<br>(2617.5MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                      |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 5235.00     | -60.30        | -48.40                | 6.60                   | -41.80     | -25.00      | -16.80      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 5235.00     | -60.20        | -49.60                | 6.60                   | -43.00     | -25.00      | -18.00      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Channel Bandwidth: 20MHz

|                          |                                 |                 |              |
|--------------------------|---------------------------------|-----------------|--------------|
| Mode                     | TX channel 37850<br>(2580.0MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                      |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 5160.00     | -60.50        | -48.60                | 6.70                   | -41.90     | -25.00      | -16.90      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 5160.00     | -60.60        | -50.20                | 6.70                   | -43.50     | -25.00      | -18.50      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

|                          |                                 |                 |              |
|--------------------------|---------------------------------|-----------------|--------------|
| Mode                     | TX channel 38000<br>(2595.0MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                      |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 5190.00     | -59.90        | -47.90                | 6.70                   | -41.20     | -25.00      | -16.20      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 5190.00     | -59.80        | -49.60                | 6.70                   | -42.90     | -25.00      | -17.90      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

|                          |                                 |                 |              |
|--------------------------|---------------------------------|-----------------|--------------|
| Mode                     | TX channel 38150<br>(2610.0MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                      |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 5220.00     | -59.70        | -47.80                | 6.70                   | -41.10     | -25.00      | -16.10      |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 5220.00     | -60.00        | -49.60                | 6.70                   | -42.90     | -25.00      | -17.90      |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

LTE Band 41

Channel Bandwidth: 5MHz

|                          |                                |                 |              |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode                     | TX channel<br>40165(2547.5MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                     |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 5095.00     | -58.8         | -47.1                 | 6.6                    | -40.5      | -25.0       | -15.5       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 5095.00     | -56.3         | -45.5                 | 6.6                    | -38.9      | -25.0       | -13.9       |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

|                          |                                |                 |              |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode                     | TX channel<br>40690(2600.0MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                     |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 5200.00     | -56.6         | -44.5                 | 6.7                    | -37.8      | -25.0       | -12.8       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 5200.00     | -55.7         | -45.6                 | 6.7                    | -38.9      | -25.0       | -13.9       |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

|                          |                                 |                 |              |
|--------------------------|---------------------------------|-----------------|--------------|
| Mode                     | TX channel 41215<br>(2652.5MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                      |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 5305.00     | -57.5         | -46.2                 | 6.7                    | -39.5      | -25.0       | -14.5       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 5305.00     | -55.4         | -44.0                 | 6.7                    | -37.3      | -25.0       | -12.3       |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Channel Bandwidth: 20MHz

|                          |                                 |                 |              |
|--------------------------|---------------------------------|-----------------|--------------|
| Mode                     | TX channel 40240<br>(2555.0MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                      |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 5110.00     | -58.1         | -46.3                 | 6.6                    | -39.7      | -25.0       | -14.7       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 5110.00     | -55.9         | -45.1                 | 6.6                    | -38.5      | -25.0       | -13.5       |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

|                          |                                 |                 |              |
|--------------------------|---------------------------------|-----------------|--------------|
| Mode                     | TX channel 40690<br>(2600.0MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                      |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 5200.00     | -57.3         | -45.2                 | 6.7                    | -38.5      | -25.0       | -13.5       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 5200.00     | -56.1         | -46.0                 | 6.7                    | -39.3      | -25.0       | -14.3       |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

|                          |                                 |                 |              |
|--------------------------|---------------------------------|-----------------|--------------|
| Mode                     | TX channel 41140<br>(2645.0MHz) | Frequency Range | 1GHz~27GHz   |
| Environmental Conditions | 25deg. C, 70%RH                 | Input Power     | 120Vac, 60Hz |
| Tested By                | Noah Chang                      |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 5290.00     | -57.3         | -45.9                 | 6.7                    | -39.2      | -25.0       | -14.2       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 5290.00     | -55.1         | -43.9                 | 6.7                    | -37.2      | -25.0       | -12.2       |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

## 5 Pictures of Test Arrangements

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

## Appendix – Information on 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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