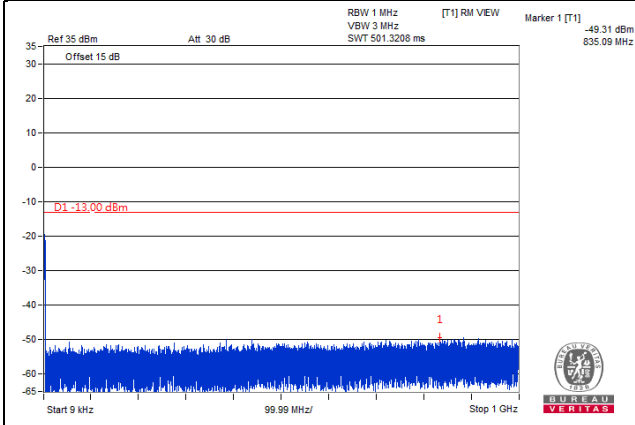


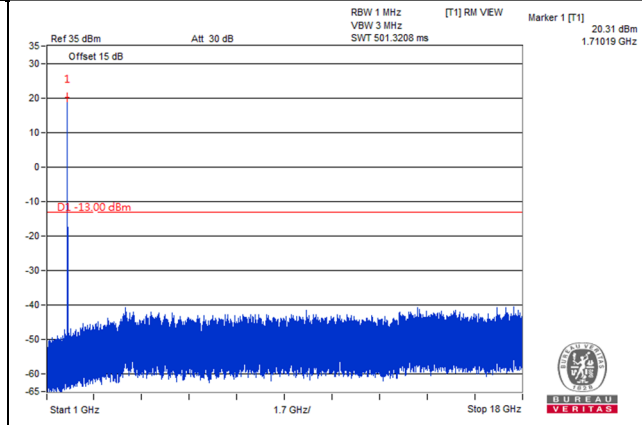
Channel Bandwidth: 3MHz

Channel 131987 (1711.5MHz)

Frequency Range : 9kHz~1GHz

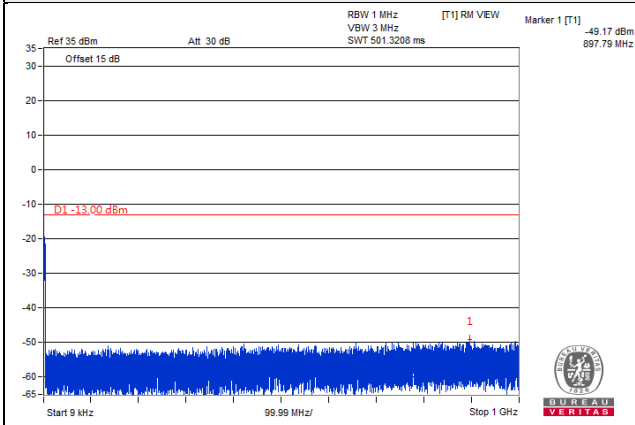


Frequency Range : 1GHz~18GHz

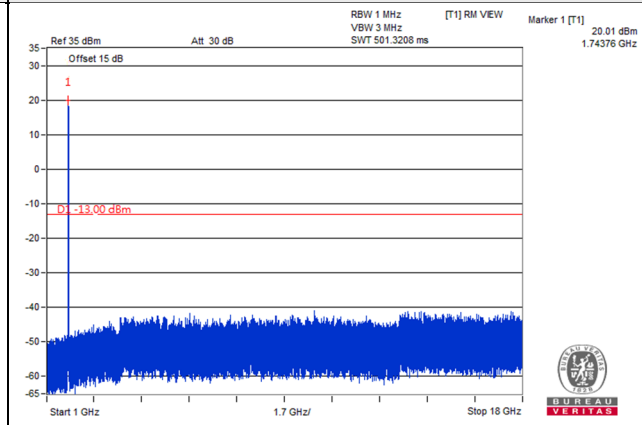


Channel 132322 (1745.0MHz)

Frequency Range : 9kHz~1GHz

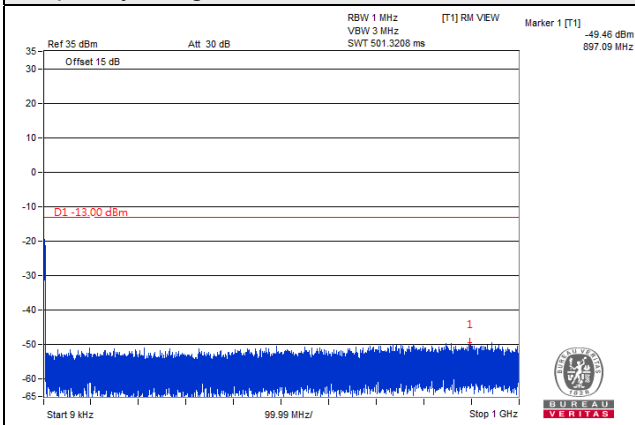


Frequency Range : 1GHz~18GHz

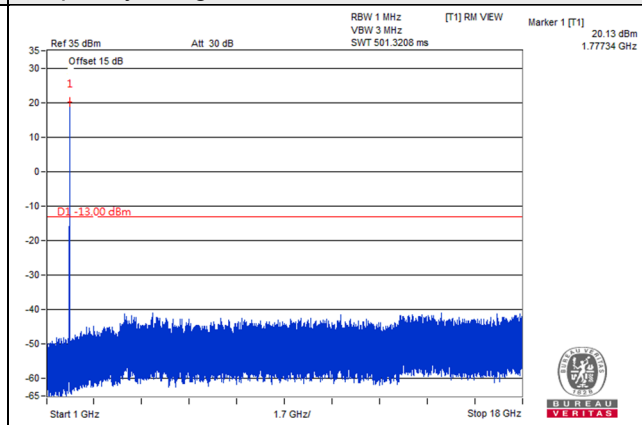


Channel 132657 (1778.5MHz)

Frequency Range : 9kHz~1GHz



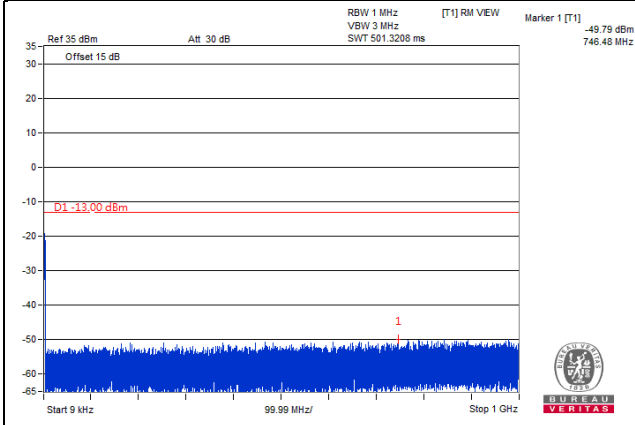
Frequency Range : 1GHz~18GHz



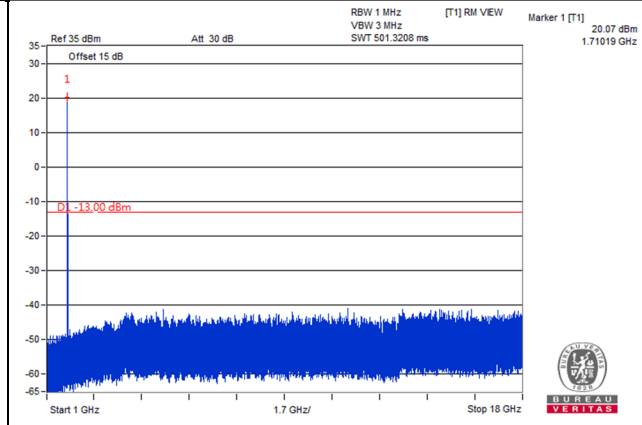
Channel Bandwidth: 5MHz

Channel 131997 (1712.5MHz)

Frequency Range : 9kHz~1GHz

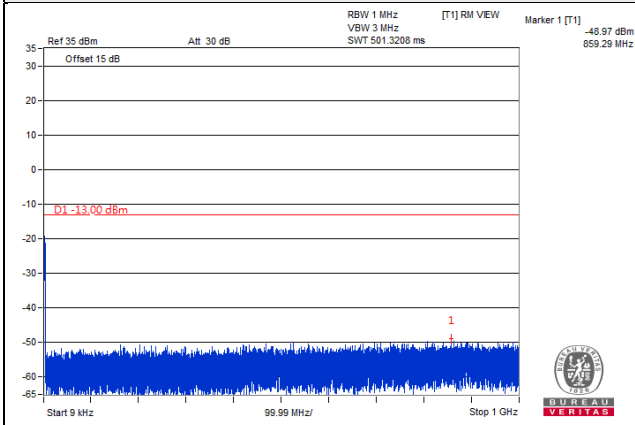


Frequency Range : 1GHz~18GHz

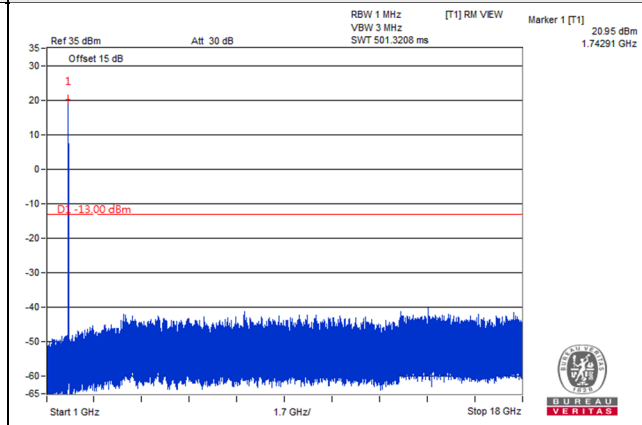


Channel 132322 (1745.0MHz)

Frequency Range : 9kHz~1GHz

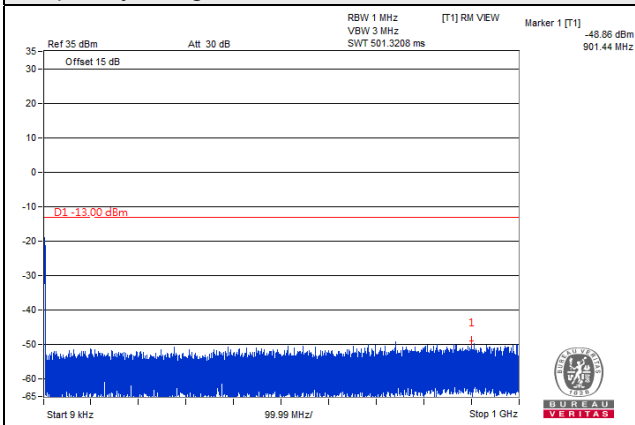


Frequency Range : 1GHz~18GHz

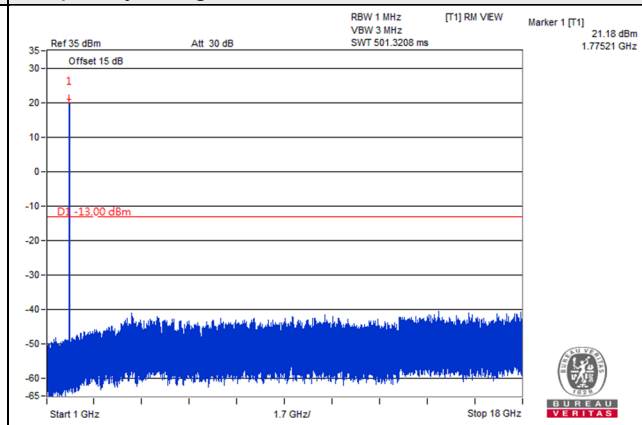


Channel 132647 (1777.5MHz)

Frequency Range : 9kHz~1GHz



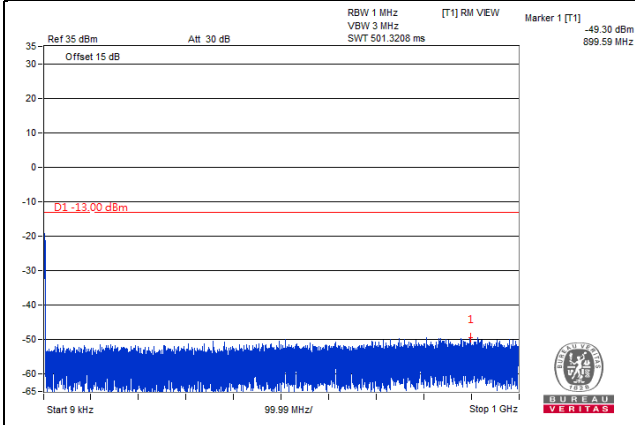
Frequency Range : 1GHz~18GHz



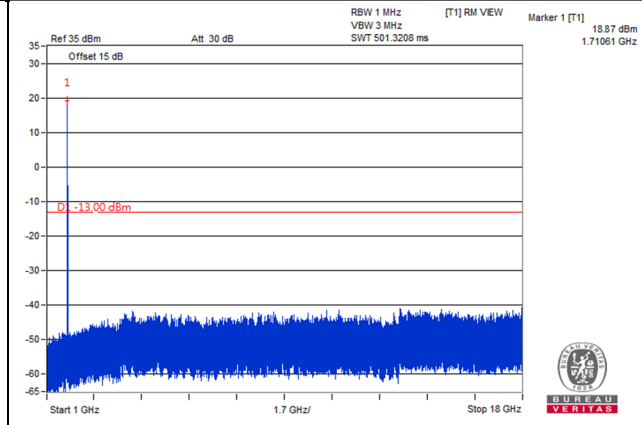
Channel Bandwidth: 10MHz

Channel 132022 (1715.0MHz)

Frequency Range : 9kHz~1GHz

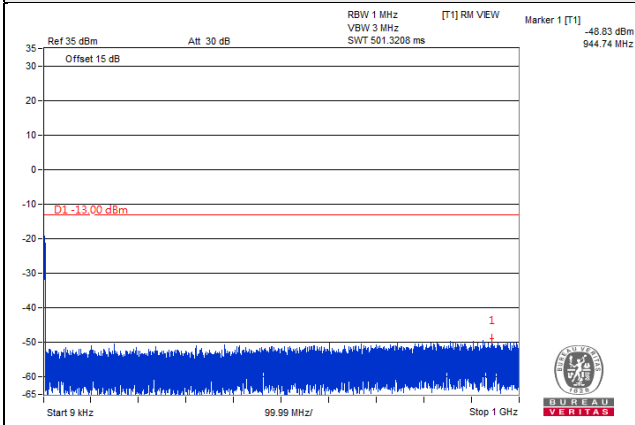


Frequency Range : 1GHz~18GHz

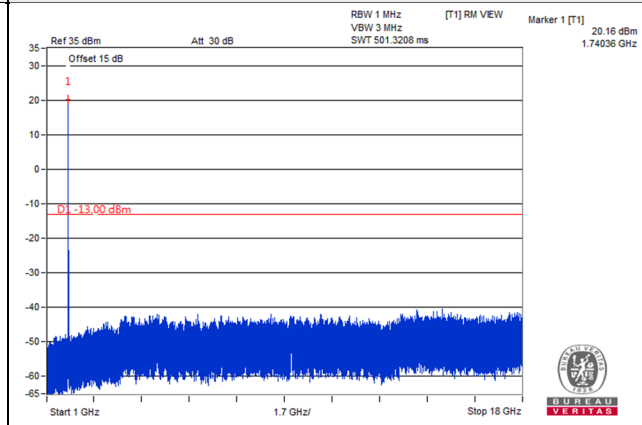


Channel 132322 (1745.0MHz)

Frequency Range : 9kHz~1GHz

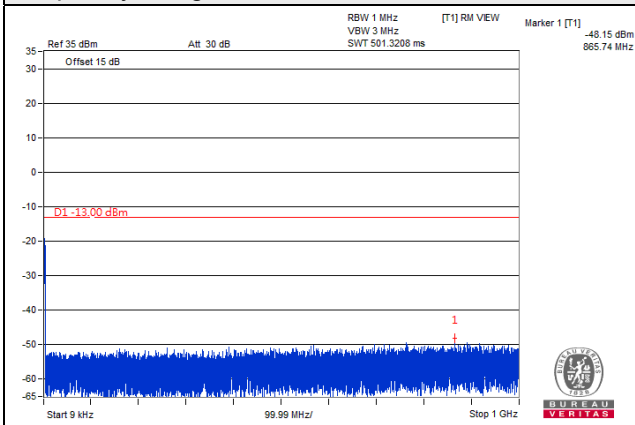


Frequency Range : 1GHz~18GHz

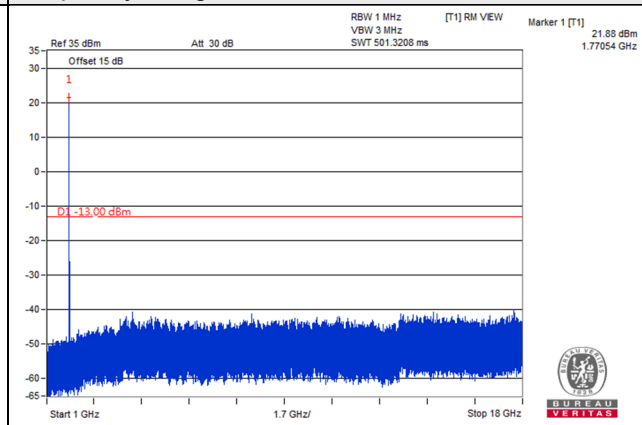


Channel 132622 (1775.0MHz)

Frequency Range : 9kHz~1GHz



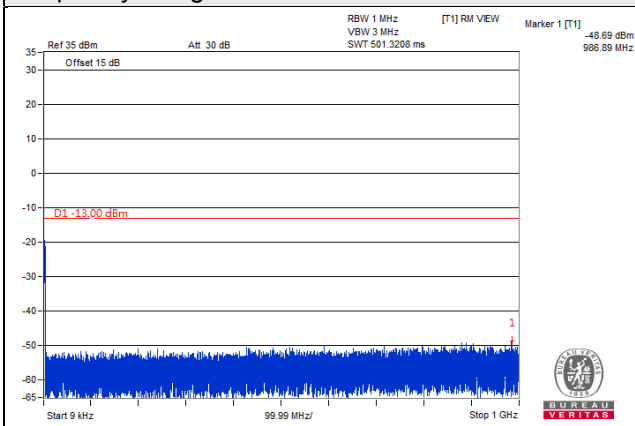
Frequency Range : 1GHz~18GHz



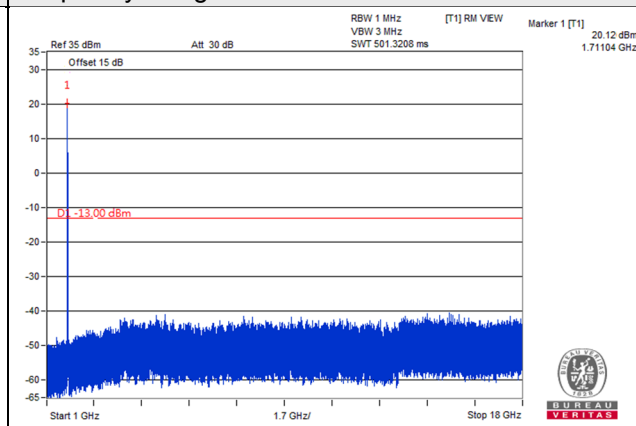
Channel Bandwidth: 15MHz

Channel 132047 (1717.5MHz)

Frequency Range : 9kHz~1GHz

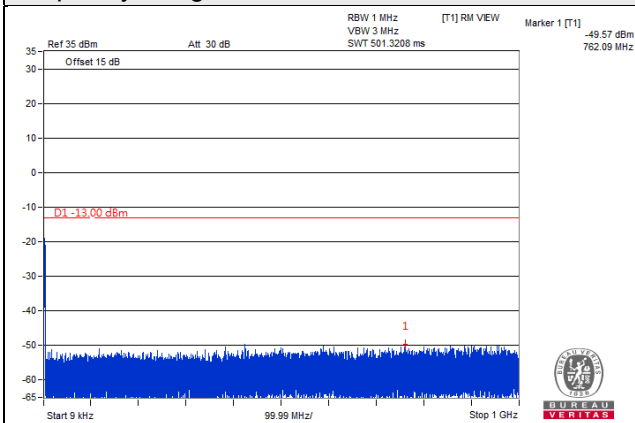


Frequency Range : 1GHz~18GHz

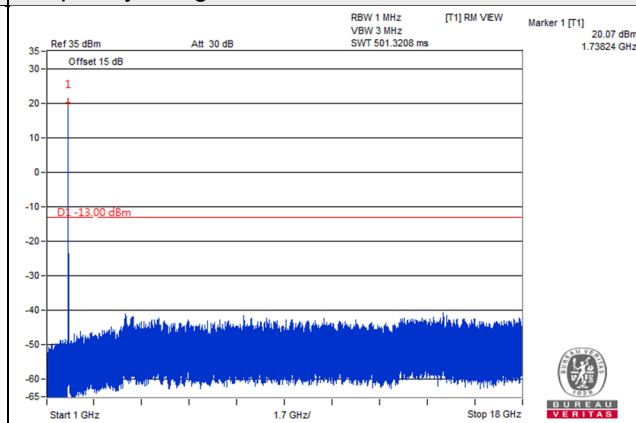


Channel 132322 (1745.0MHz)

Frequency Range : 9kHz~1GHz

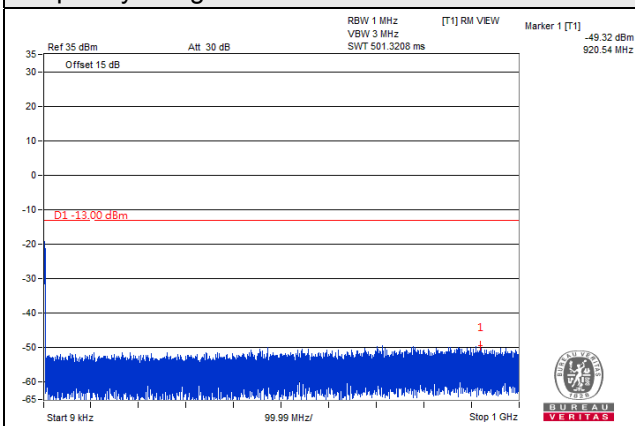


Frequency Range : 1GHz~18GHz

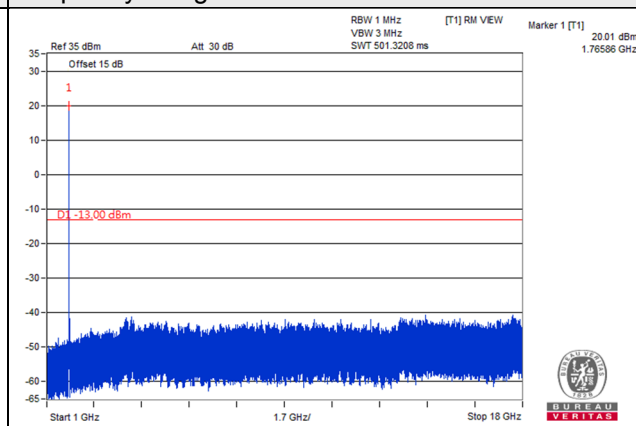


Channel 132597 (1772.5MHz)

Frequency Range : 9kHz~1GHz



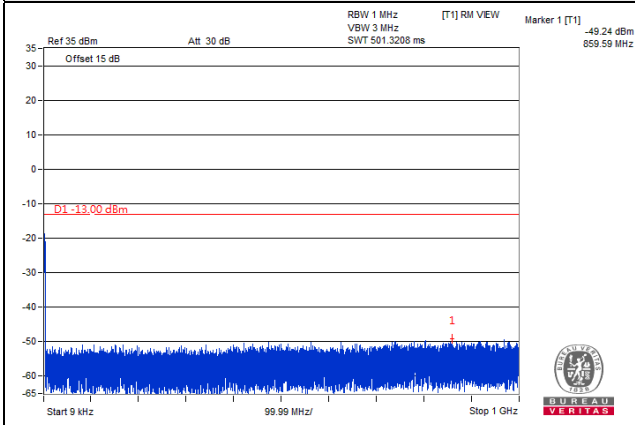
Frequency Range : 1GHz~18GHz



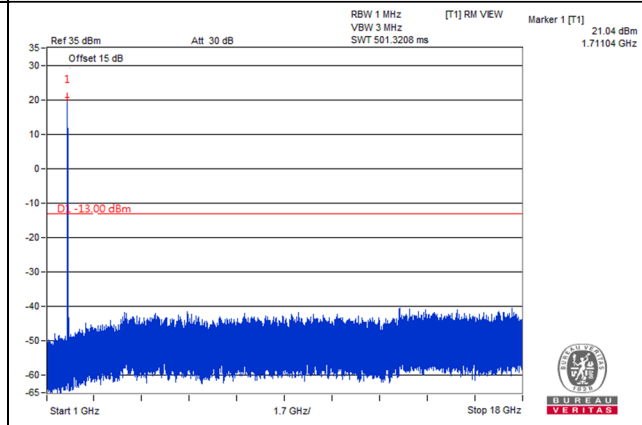
Channel Bandwidth: 20MHz

Channel 132072 (1720.0MHz)

Frequency Range : 9kHz~1GHz

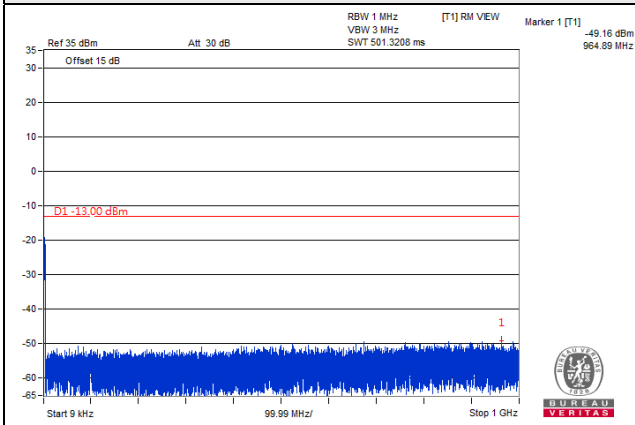


Frequency Range : 1GHz~18GHz

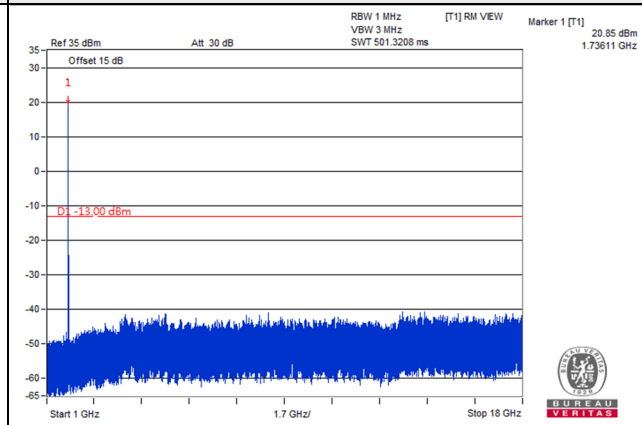


Channel 132322 (1745.0MHz)

Frequency Range : 9kHz~1GHz

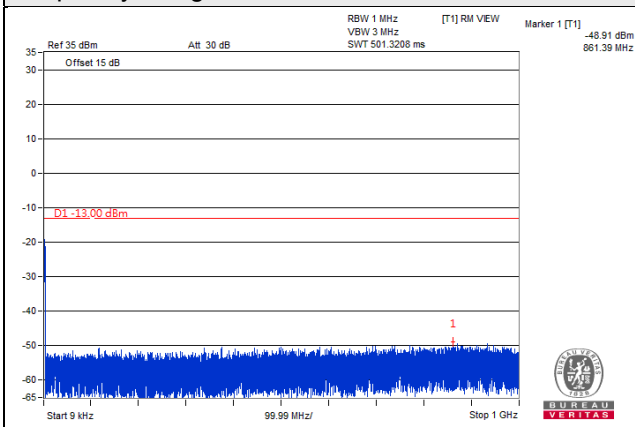


Frequency Range : 1GHz~18GHz

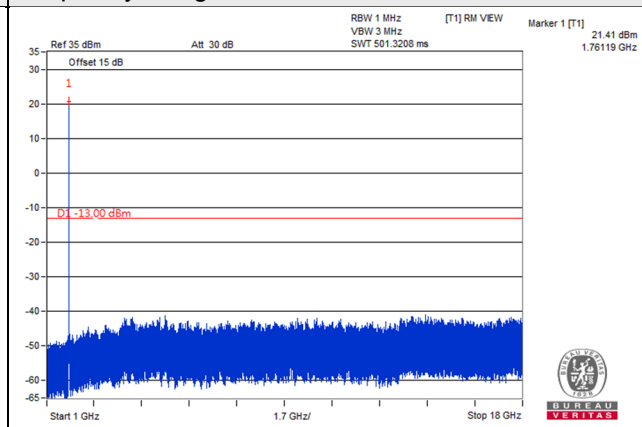


Channel 132572 (1770.0MHz)

Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~18GHz



4.8 Radiated Emission Measurement

4.8.1 Limits of Radiated Emission Measurement

For n2, LTE Band 5:

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. The emission limit equal to -13dBm .

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.

According to FCC 27.53(f) 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 30:

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

For LTE Band 48:

The power of any emissions below 3530 MHz or above 3720 MHz shall not exceed -40dBm/MHz .

For LTE Band 66:

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 $43 + 10 \log(P)$ dB.

4.8.2 Test Procedure

- a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m (below or equal 1 GHz) and/or 1.5 m (above 1 GHz) height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- b. The substitution horn 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 a. Record the power level of S.G
- c. $\text{EIRP} = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}$.
- d. $\text{E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole, E.R.P power} = \text{E.I.R.P power} - 2.15\text{dBi}$.

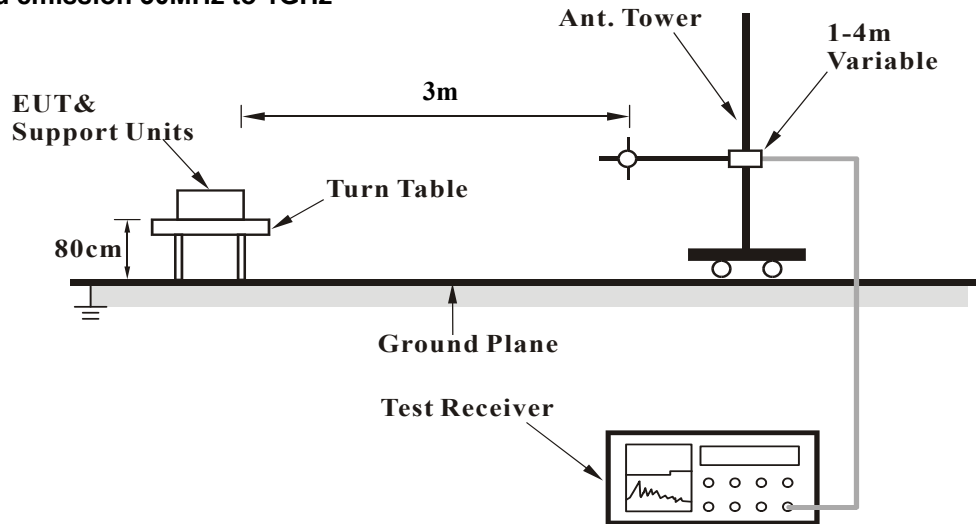
NOTE: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz/3MHz.

4.8.3 Deviation from Test Standard

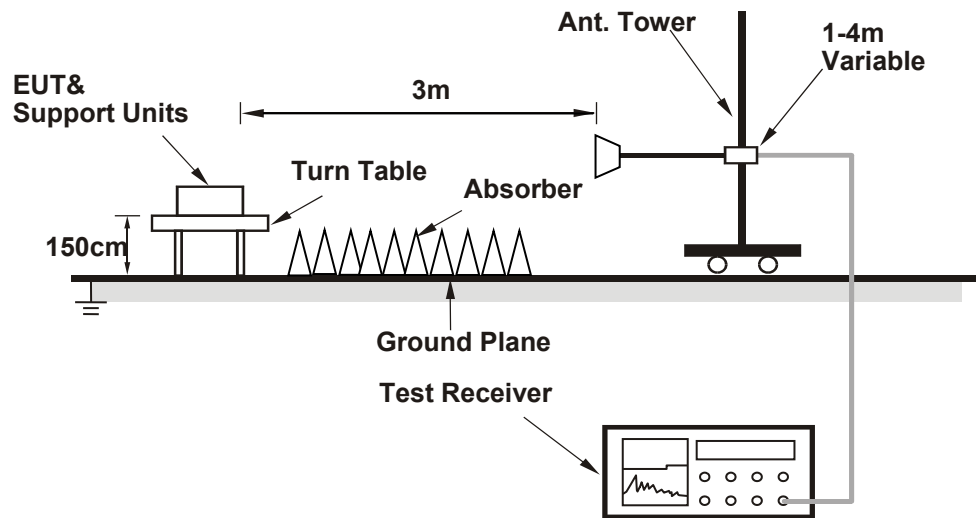
No deviation.

4.8.4 Test Setup

For radiated emission 30MHz to 1GHz



For radiated emission above 1GHz



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

4.8.5 Test Results

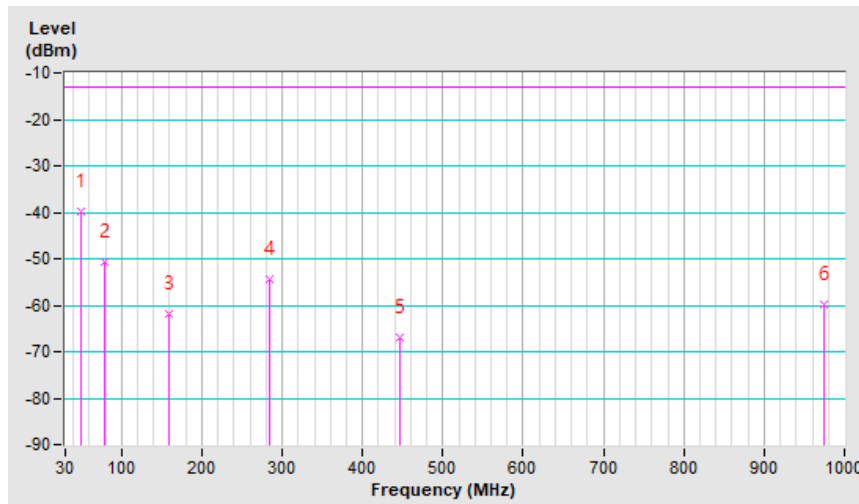
Below 1GHz

n2, Channel Bandwidth: 5MHz

| | | | |
|--------------------------|-----------------------------------|-----------------|----------------|
| Mode | TX channel 370500 (1852.50MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

Antenna Polarity & Test Distance: Horizontal at 3 M

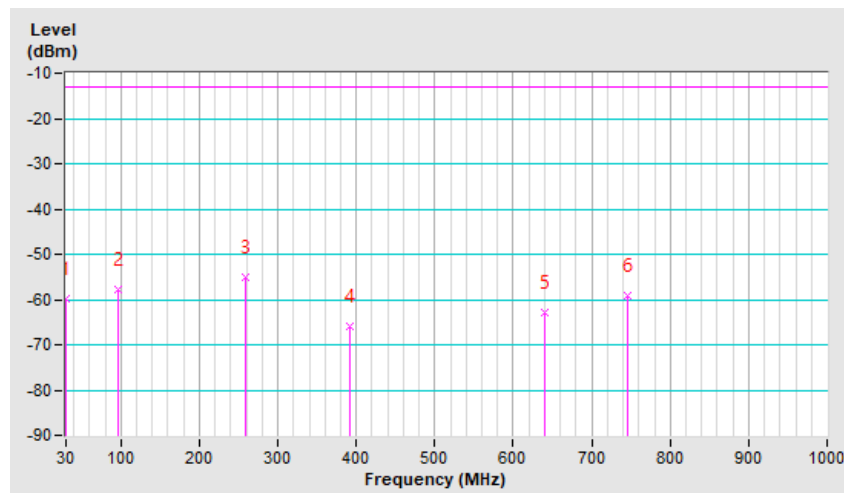
| No. | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
|-----|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| 1 | 49.40 | -39.3 | -31.4 | -8.3 | -39.7 | -13.0 | -26.7 |
| 2 | 79.47 | -45.9 | -51.4 | 0.6 | -50.8 | -13.0 | -37.8 |
| 3 | 159.01 | -56.8 | -59.1 | -2.8 | -61.9 | -13.0 | -48.9 |
| 4 | 285.11 | -50.5 | -52.8 | -1.6 | -54.4 | -13.0 | -41.4 |
| 5 | 446.13 | -67.1 | -70.5 | 3.4 | -67.1 | -13.0 | -54.1 |
| 6 | 973.81 | -68.8 | -63.5 | 3.6 | -59.9 | -13.0 | -46.9 |



| | | | |
|--------------------------|-----------------------------------|-----------------|----------------|
| Mode | TX channel 370500 (1852.50MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | 30.00 | -50.0 | -40.5 | -19.4 | -59.9 | -13.0 | -46.9 |
| 2 | 96.93 | -49.8 | -56.6 | -1.2 | -57.8 | -13.0 | -44.8 |
| 3 | 257.95 | -55.5 | -53.4 | -1.6 | -55.0 | -13.0 | -42.0 |
| 4 | 390.84 | -65.3 | -69.3 | 3.4 | -65.9 | -13.0 | -52.9 |
| 5 | 641.10 | -67.9 | -66.4 | 3.6 | -62.8 | -13.0 | -49.8 |
| 6 | 745.86 | -66.1 | -62.9 | 3.8 | -59.1 | -13.0 | -46.1 |

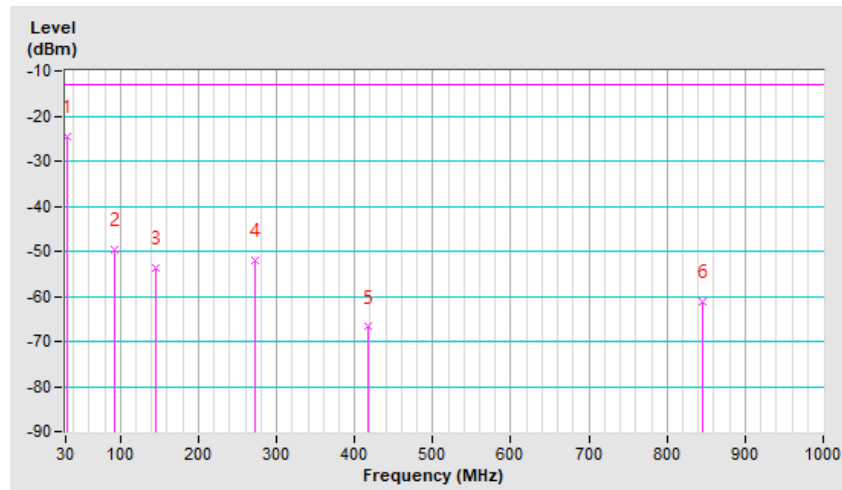


n2, Channel Bandwidth: 20MHz

| | | | |
|--------------------------|-----------------------------------|-----------------|----------------|
| Mode | TX channel 376000 (1880.00MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

Antenna Polarity & Test Distance: Horizontal at 3 M

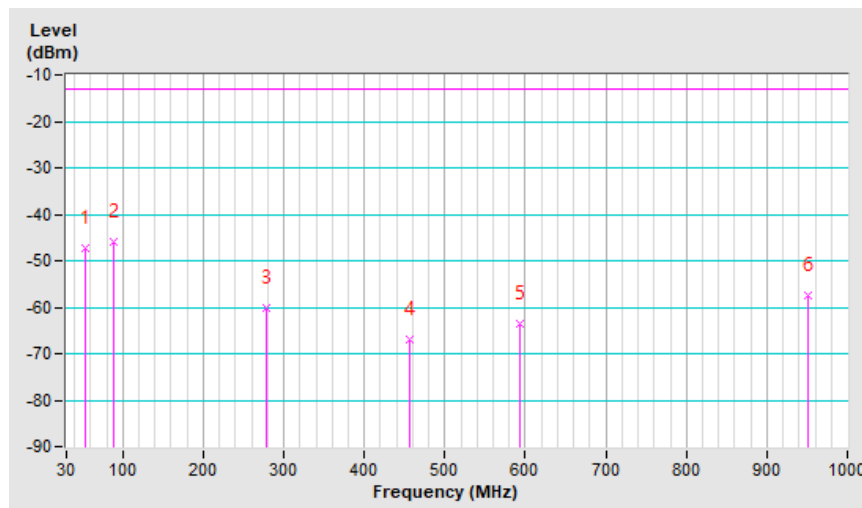
| No. | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
|-----|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| 1 | 31.94 | -28.0 | -6.3 | -18.3 | -24.6 | -13.0 | -11.6 |
| 2 | 92.08 | -40.9 | -48.9 | -0.6 | -49.5 | -13.0 | -36.5 |
| 3 | 145.43 | -48.9 | -50.7 | -3.1 | -53.8 | -13.0 | -40.8 |
| 4 | 273.47 | -47.5 | -50.3 | -1.6 | -51.9 | -13.0 | -38.9 |
| 5 | 417.03 | -66.7 | -70.2 | 3.4 | -66.8 | -13.0 | -53.8 |
| 6 | 844.80 | -68.0 | -64.9 | 3.6 | -61.3 | -13.0 | -48.3 |



| | | | |
|--------------------------|-----------------------------------|-----------------|----------------|
| Mode | TX channel 376000 (1880.00MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | 54.25 | -40.4 | -41.5 | -5.7 | -47.2 | -13.0 | -34.2 |
| 2 | 89.17 | -39.7 | -45.9 | -0.1 | -46.0 | -13.0 | -33.0 |
| 3 | 278.32 | -63.4 | -58.5 | -1.6 | -60.1 | -13.0 | -47.1 |
| 4 | 456.80 | -66.7 | -70.4 | 3.5 | -66.9 | -13.0 | -53.9 |
| 5 | 593.57 | -66.5 | -67.1 | 3.7 | -63.4 | -13.0 | -50.4 |
| 6 | 950.53 | -66.7 | -61.1 | 3.7 | -57.4 | -13.0 | -44.4 |



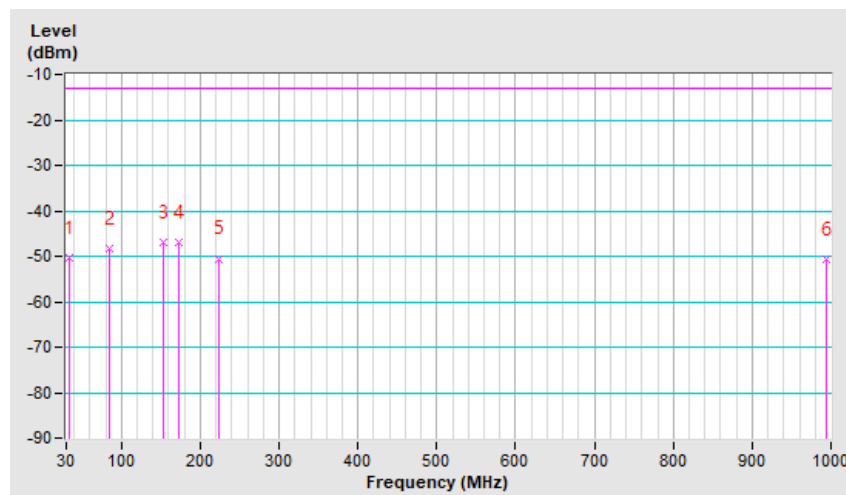
LTE Band 5, Channel Bandwidth: 10MHz

| | | | |
|--------------------------|--------------------------------|-----------------|----------------|
| Mode | TX channel 20600 (844.0MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 22deg. C, 66%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

| 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 | 34.85 | -51.5 | -49.6 | -0.9 | -50.5 | -13.0 | -37.5 |
| 2 | 84.32 | -40.1 | -46.9 | -1.4 | -48.3 | -13.0 | -35.3 |
| 3 | 153.19 | -40.6 | -45.2 | -1.8 | -47.0 | -13.0 | -34.0 |
| 4 | 172.59 | -37.5 | -45.0 | -2.0 | -47.0 | -13.0 | -34.0 |
| 5 | 223.03 | -40.2 | -48.4 | -2.1 | -50.5 | -13.0 | -37.5 |
| 6 | 993.21 | -57.5 | -46.7 | -4.0 | -50.7 | -13.0 | -37.7 |

Remarks:

- ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
- Correction Factor (dB) = Substitution Antenna Gain (dB) - Cable Loss (dB) + 2.15dB.



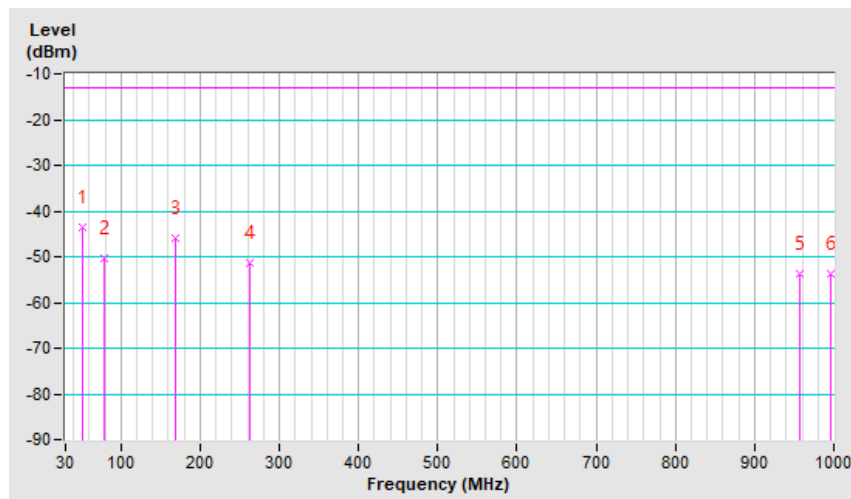
| | | | |
|--------------------------|--------------------------------|-----------------|----------------|
| Mode | TX channel 20600 (844.0MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 22deg. C, 66%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | 51.34 | -34.4 | -42.6 | -1.1 | -43.7 | -13.0 | -30.7 |
| 2 | 78.50 | -42.9 | -48.9 | -1.4 | -50.3 | -13.0 | -37.3 |
| 3 | 168.71 | -40.6 | -44.0 | -2.0 | -46.0 | -13.0 | -33.0 |
| 4 | 262.80 | -50.1 | -49.1 | -2.2 | -51.3 | -13.0 | -38.3 |
| 5 | 957.32 | -60.9 | -50.1 | -3.7 | -53.8 | -13.0 | -40.8 |
| 6 | 996.12 | -61.8 | -49.8 | -4.0 | -53.8 | -13.0 | -40.8 |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) - Cable Loss (dB) + 2.15dB.



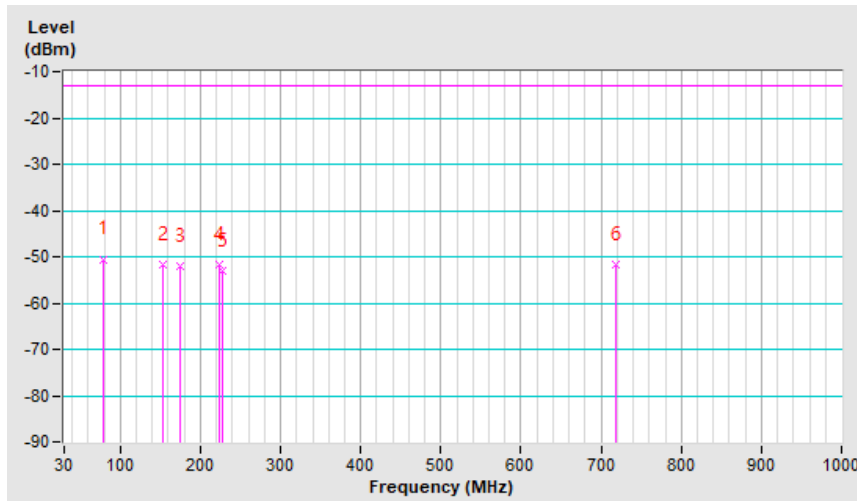
LTE Band 12, Channel Bandwidth: 10MHz

| | | | |
|--------------------------|------------------------------|-----------------|----------------|
| Mode | TX channel 23130 (711MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

| 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 | 78.50 | -43.2 | -49.1 | -1.4 | -50.5 | -13.0 | -37.5 |
| 2 | 154.16 | -45.3 | -50.0 | -1.8 | -51.8 | -13.0 | -38.8 |
| 3 | 175.50 | -42.1 | -49.9 | -2.0 | -51.9 | -13.0 | -38.9 |
| 4 | 224.00 | -41.4 | -49.6 | -2.1 | -51.7 | -13.0 | -38.7 |
| 5 | 227.88 | -43.0 | -50.9 | -2.1 | -53.0 | -13.0 | -40.0 |
| 6 | 717.73 | -52.6 | -48.3 | -3.3 | -51.6 | -13.0 | -38.6 |

Remarks:

- ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
- Correction Factor (dB) = Substitution Antenna Gain (dB) - Cable Loss (dB) + 2.15dB.

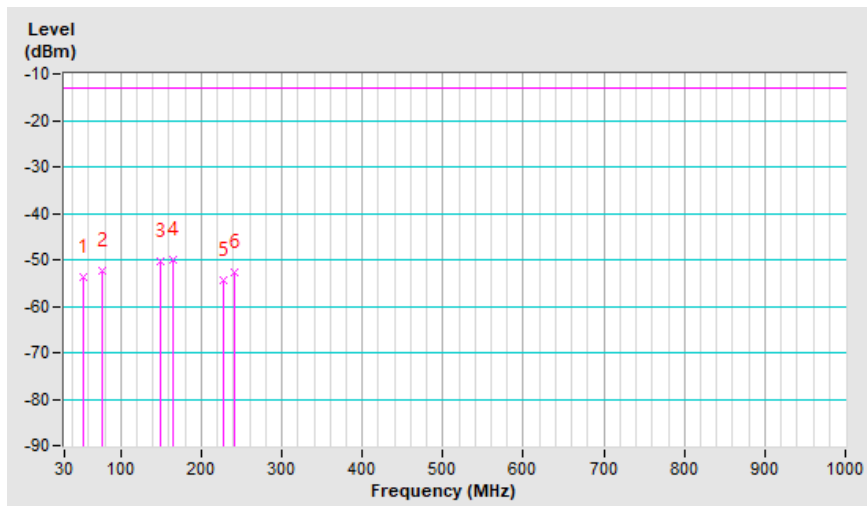


| | | | |
|--------------------------|------------------------------|-----------------|----------------|
| Mode | TX channel 23130 (711MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

| 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 | 53.28 | -44.5 | -52.5 | -1.1 | -53.6 | -13.0 | -40.6 |
| 2 | 76.56 | -44.6 | -51.1 | -1.4 | -52.5 | -13.0 | -39.5 |
| 3 | 148.34 | -46.1 | -48.7 | -1.7 | -50.4 | -13.0 | -37.4 |
| 4 | 165.80 | -44.5 | -48.1 | -1.9 | -50.0 | -13.0 | -37.0 |
| 5 | 226.91 | -48.5 | -52.4 | -2.1 | -54.5 | -13.0 | -41.5 |
| 6 | 240.49 | -48.9 | -50.6 | -2.1 | -52.7 | -13.0 | -39.7 |

Remarks:

- ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
- Correction Factor (dB) = Substitution Antenna Gain (dB) - Cable Loss (dB) + 2.15dB.



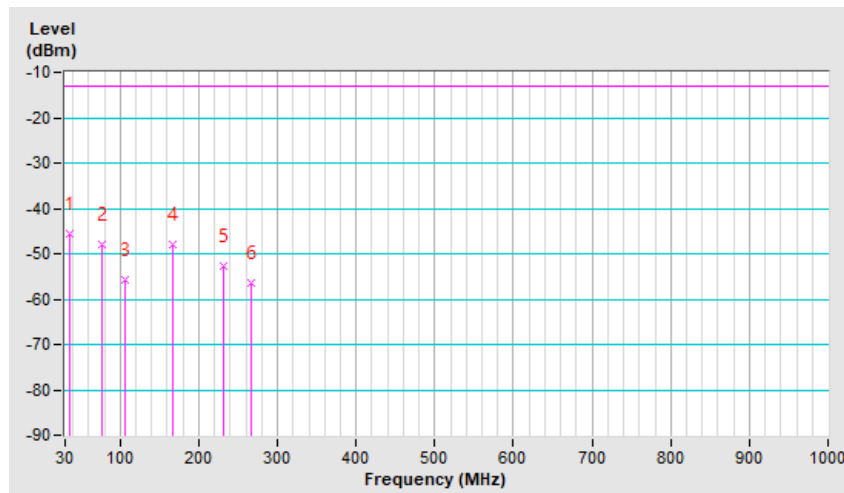
LTE Band 13, Channel Bandwidth: 10MHz

| | | | |
|--------------------------|--------------------------------|-----------------|----------------|
| Mode | TX channel 23230 (782.0MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

| 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 | 35.82 | -46.9 | -44.5 | -1.0 | -45.5 | -13.0 | -32.5 |
| 2 | 77.53 | -40.7 | -46.7 | -1.4 | -48.1 | -13.0 | -35.1 |
| 3 | 105.66 | -45.5 | -54.0 | -1.7 | -55.7 | -13.0 | -42.7 |
| 4 | 167.74 | -39.2 | -46.1 | -2.0 | -48.1 | -13.0 | -35.1 |
| 5 | 230.79 | -42.8 | -50.6 | -2.2 | -52.8 | -13.0 | -39.8 |
| 6 | 265.71 | -49.8 | -54.2 | -2.2 | -56.4 | -13.0 | -43.4 |

Remarks:

- ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
- Correction Factor (dB) = Substitution Antenna Gain (dB) - Cable Loss (dB) + 2.15dB.

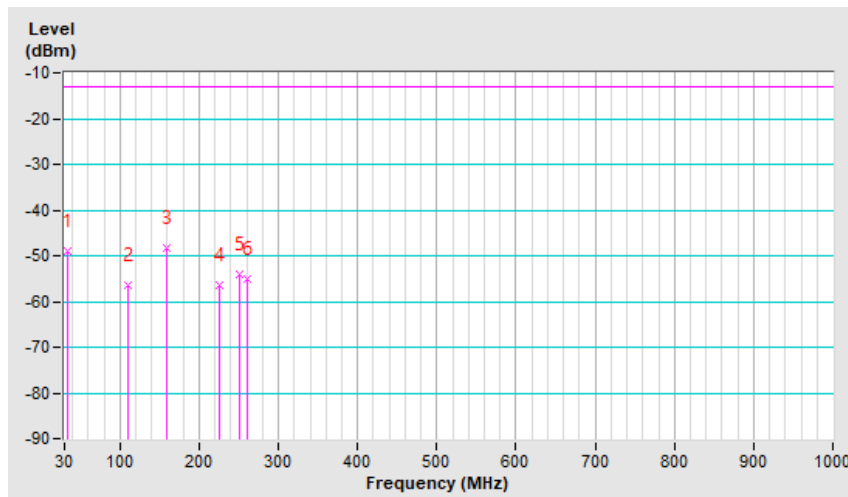


| | | | |
|--------------------------|--------------------------------|-----------------|----------------|
| Mode | TX channel 23230 (782.0MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

| 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 | 33.88 | -36.4 | -48.2 | -0.9 | -49.1 | -13.0 | -36.1 |
| 2 | 109.54 | -46.2 | -54.9 | -1.7 | -56.6 | -13.0 | -43.6 |
| 3 | 159.01 | -43.1 | -46.4 | -1.8 | -48.2 | -13.0 | -35.2 |
| 4 | 225.94 | -50.5 | -54.5 | -2.1 | -56.6 | -13.0 | -43.6 |
| 5 | 251.16 | -51.9 | -51.8 | -2.2 | -54.0 | -13.0 | -41.0 |
| 6 | 260.86 | -53.9 | -52.8 | -2.2 | -55.0 | -13.0 | -42.0 |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) - Cable Loss (dB) + 2.15dB.

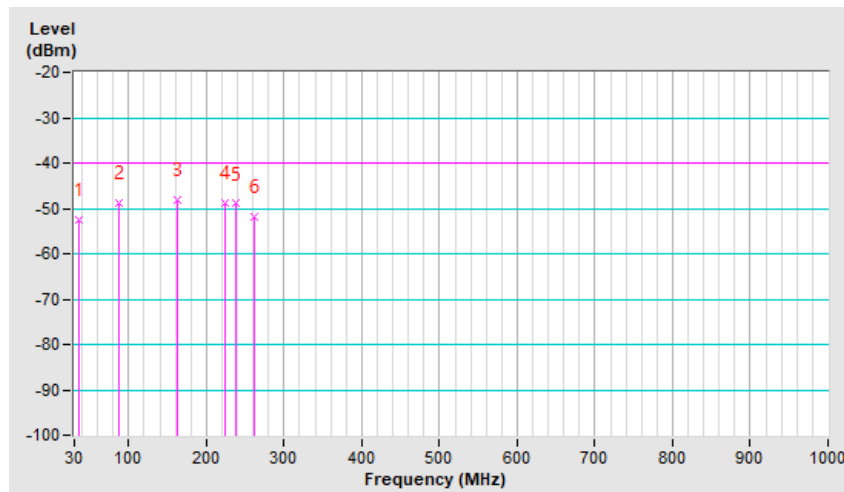


LTE Band 30, Channel Bandwidth: 5MHz

| | | | |
|--------------------------|---------------------------------|-----------------|----------------|
| Mode | TX channel 27685 (2307.5MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

Antenna Polarity & Test Distance: Horizontal at 3 M

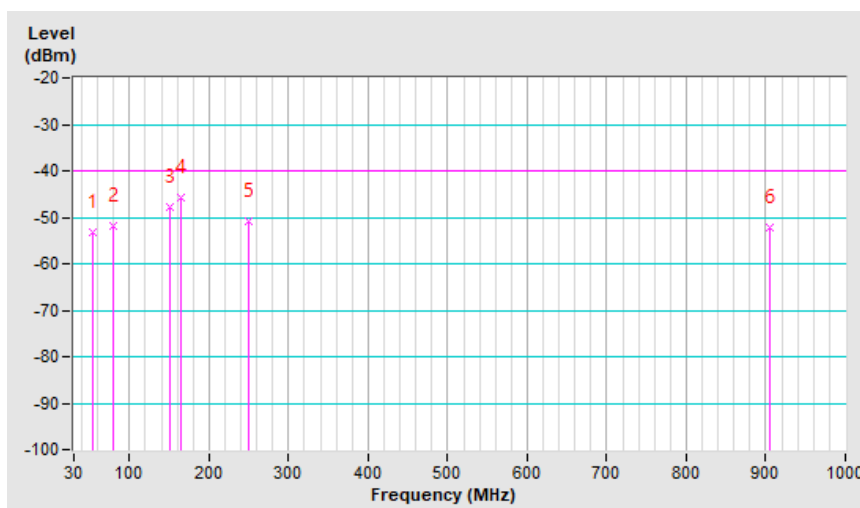
| No. | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
|-----|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| 1 | 35.82 | -55.9 | -51.4 | -1.0 | -52.4 | -40.0 | -12.4 |
| 2 | 87.23 | -41.6 | -47.3 | -1.5 | -48.8 | -40.0 | -8.8 |
| 3 | 162.89 | -42.3 | -46.2 | -1.9 | -48.1 | -40.0 | -8.1 |
| 4 | 224.00 | -40.6 | -46.7 | -2.1 | -48.8 | -40.0 | -8.8 |
| 5 | 238.55 | -42.1 | -46.9 | -2.1 | -49.0 | -40.0 | -9.0 |
| 6 | 260.86 | -47.3 | -49.8 | -2.2 | -52.0 | -40.0 | -12.0 |



| | | | |
|--------------------------|---------------------------------|-----------------|----------------|
| Mode | TX channel 27685 (2307.5MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | 53.28 | -46.2 | -52.0 | -1.1 | -53.1 | -40.0 | -13.1 |
| 2 | 79.47 | -47.1 | -50.6 | -1.4 | -52.0 | -40.0 | -12.0 |
| 3 | 151.25 | -45.8 | -46.1 | -1.7 | -47.8 | -40.0 | -7.8 |
| 4 | 164.83 | -42.7 | -44.0 | -1.9 | -45.9 | -40.0 | -5.9 |
| 5 | 250.19 | -51.0 | -48.8 | -2.2 | -51.0 | -40.0 | -11.0 |
| 6 | 905.91 | -60.4 | -48.4 | -3.7 | -52.1 | -40.0 | -12.1 |

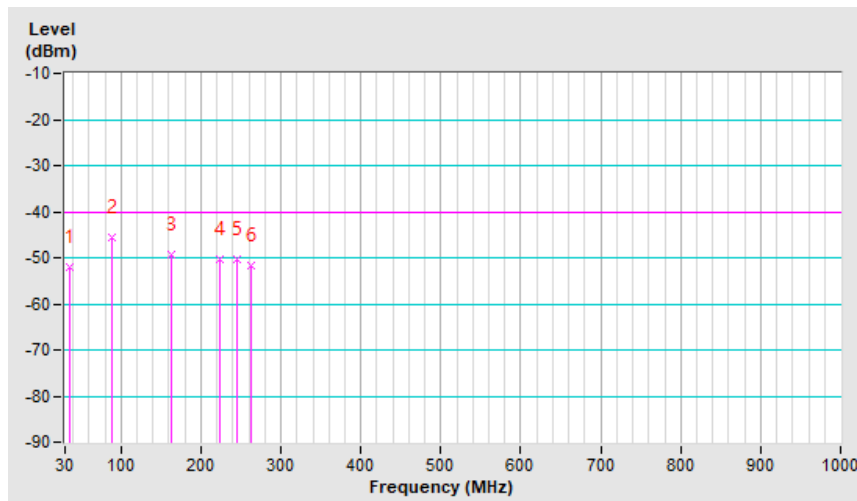


LTE Band 48, Channel Bandwidth: 20MHz

| | | | |
|--------------------------|----------------------------------|-----------------|----------------|
| Mode | TX channel 55990 (3625.00MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

Antenna Polarity & Test Distance: Horizontal at 3 M

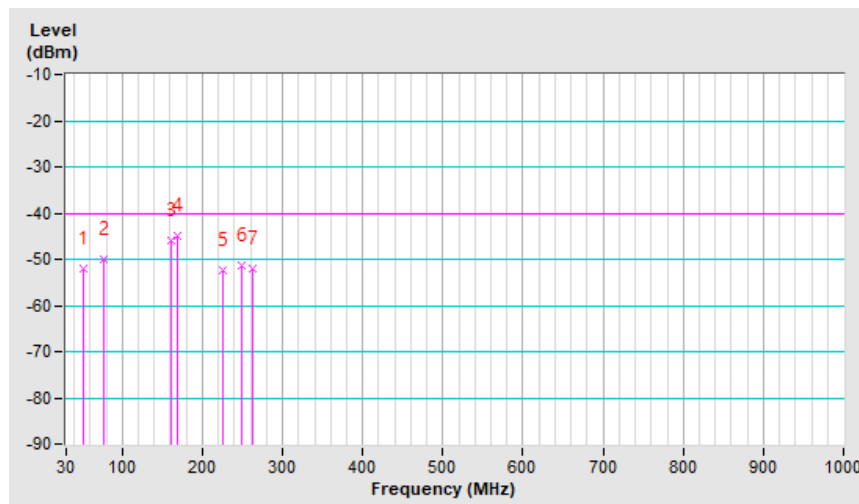
| No. | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
|-----|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| 1 | 35.82 | -55.7 | -51.2 | -1.0 | -52.2 | -40.0 | -12.2 |
| 2 | 88.20 | -37.9 | -44.0 | -1.5 | -45.5 | -40.0 | -5.5 |
| 3 | 163.86 | -43.1 | -47.3 | -1.9 | -49.2 | -40.0 | -9.2 |
| 4 | 224.00 | -42.1 | -48.2 | -2.1 | -50.3 | -40.0 | -10.3 |
| 5 | 244.37 | -43.3 | -48.2 | -2.1 | -50.3 | -40.0 | -10.3 |
| 6 | 262.80 | -46.9 | -49.4 | -2.2 | -51.6 | -40.0 | -11.6 |



| | | | |
|--------------------------|----------------------------------|-----------------|----------------|
| Mode | TX channel 55990 (3625.00MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | 52.31 | -45.0 | -50.9 | -1.1 | -52.0 | -40.0 | -12.0 |
| 2 | 76.56 | -44.2 | -48.5 | -1.4 | -49.9 | -40.0 | -9.9 |
| 3 | 160.95 | -42.8 | -43.9 | -1.9 | -45.8 | -40.0 | -5.8 |
| 4 | 169.68 | -41.7 | -42.9 | -2.0 | -44.9 | -40.0 | -4.9 |
| 5 | 225.94 | -48.3 | -50.2 | -2.1 | -52.3 | -40.0 | -12.3 |
| 6 | 249.22 | -51.3 | -49.3 | -2.2 | -51.5 | -40.0 | -11.5 |

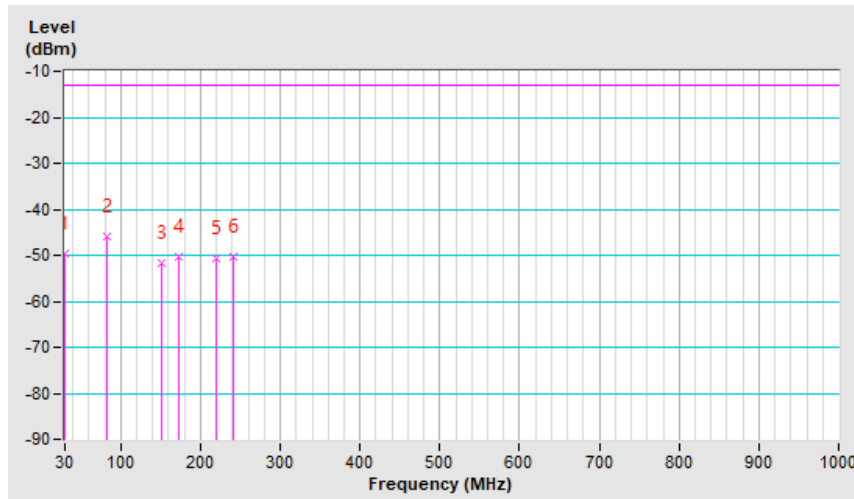


LTE Band 66, Channel Bandwidth: 20MHz

| | | | |
|--------------------------|----------------------------------|-----------------|----------------|
| Mode | TX channel 132322 (1745.0MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

Antenna Polarity & Test Distance: Horizontal at 3 M

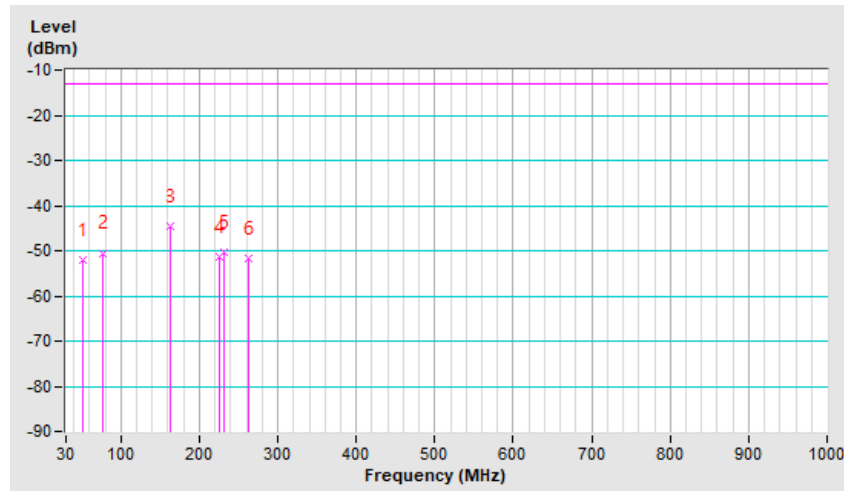
| No. | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
|-----|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| 1 | 30.00 | -53.7 | -48.9 | -0.8 | -49.7 | -13.0 | -36.7 |
| 2 | 83.35 | -40.2 | -44.5 | -1.4 | -45.9 | -13.0 | -32.9 |
| 3 | 150.28 | -47.0 | -50.0 | -1.7 | -51.7 | -13.0 | -38.7 |
| 4 | 173.56 | -43.0 | -48.4 | -2.0 | -50.4 | -13.0 | -37.4 |
| 5 | 220.12 | -42.6 | -48.6 | -2.1 | -50.7 | -13.0 | -37.7 |
| 6 | 241.46 | -43.3 | -48.1 | -2.1 | -50.2 | -13.0 | -37.2 |



| | | | |
|--------------------------|----------------------------------|-----------------|----------------|
| Mode | TX channel 132322 (1745.0MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | 52.31 | -45.1 | -51.0 | -1.1 | -52.1 | -13.0 | -39.1 |
| 2 | 76.56 | -44.8 | -49.1 | -1.4 | -50.5 | -13.0 | -37.5 |
| 3 | 163.86 | -41.4 | -42.6 | -1.9 | -44.5 | -13.0 | -31.5 |
| 4 | 225.94 | -47.2 | -49.1 | -2.1 | -51.2 | -13.0 | -38.2 |
| 5 | 231.76 | -47.6 | -48.2 | -2.2 | -50.4 | -13.0 | -37.4 |
| 6 | 261.83 | -52.8 | -49.5 | -2.2 | -51.7 | -13.0 | -38.7 |



Above 1GHz
n2, Channel Bandwidth 5MHz

| | | | |
|--------------------------|-----------------------------------|-----------------|--------------|
| Mode | TX channel 370500 (1852.50MHz) | Frequency Range | 1GHz ~ 20GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

| 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 | 3705.00 | -61.5 | -53.0 | 1.4 | -51.6 | -13.0 | -38.6 |
| 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 | 3705.00 | -58.7 | -50.5 | 1.4 | -49.1 | -13.0 | -36.1 |

| | | | |
|--------------------------|-----------------------------------|-----------------|--------------|
| Mode | TX channel 376000 (1880.00MHz) | Frequency Range | 1GHz ~ 20GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

| 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 | 3760.00 | -61.1 | -52.6 | 1.3 | -51.3 | -13.0 | -38.3 |
| 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 | 3760.00 | -58.8 | -50.5 | 1.3 | -49.2 | -13.0 | -36.2 |

| | | | |
|--------------------------|-----------------------------------|-----------------|--------------|
| Mode | TX channel 381500 (1907.50MHz) | Frequency Range | 1GHz ~ 20GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

| 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 | 3815.00 | -61.7 | -53.4 | 1.4 | -52.0 | -13.0 | -39.0 |
| 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 | 3815.00 | -59.3 | -51.1 | 1.4 | -49.7 | -13.0 | -36.7 |

n2, Channel Bandwidth 10MHz

| | | | |
|--------------------------|-----------------------------------|-----------------|--------------|
| Mode | TX channel 371000 (1855.00MHz) | Frequency Range | 1GHz ~ 20GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

| 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 | 3710.00 | -61.0 | -52.5 | 1.4 | -51.1 | -13.0 | -38.1 |
| 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 | 3710.00 | -58.7 | -50.5 | 1.4 | -49.1 | -13.0 | -36.1 |

| | | | |
|--------------------------|-----------------------------------|-----------------|--------------|
| Mode | TX channel 376000 (1880.00MHz) | Frequency Range | 1GHz ~ 20GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

| 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 | 3760.00 | -61.5 | -53.0 | 1.3 | -51.7 | -13.0 | -38.7 |
| 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 | 3760.00 | -59.3 | -51.0 | 1.3 | -49.7 | -13.0 | -36.7 |

| | | | |
|--------------------------|-----------------------------------|-----------------|--------------|
| Mode | TX channel 381000 (1905.00MHz) | Frequency Range | 1GHz ~ 20GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

| 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 | 3810.00 | -61.6 | -53.2 | 1.3 | -51.9 | -13.0 | -38.9 |
| 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 | 3810.00 | -58.8 | -50.5 | 1.3 | -49.2 | -13.0 | -36.2 |

n2, Channel Bandwidth 15MHz

| | | | |
|--------------------------|-----------------------------------|-----------------|--------------|
| Mode | TX channel 371500 (1857.50MHz) | Frequency Range | 1GHz ~ 20GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | 3715.00 | -61.1 | -52.6 | 1.4 | -51.2 | -13.0 | -38.2 |

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 | 3715.00 | -59.1 | -50.9 | 1.4 | -49.5 | -13.0 | -36.5 |

| | | | |
|--------------------------|-----------------------------------|-----------------|--------------|
| Mode | TX channel 376000 (1880.00MHz) | Frequency Range | 1GHz ~ 20GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | 3760.00 | -61.2 | -52.7 | 1.3 | -51.4 | -13.0 | -38.4 |

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 | 3760.00 | -58.7 | -50.4 | 1.3 | -49.1 | -13.0 | -36.1 |

| | | | |
|--------------------------|-----------------------------------|-----------------|--------------|
| Mode | TX channel 380500 (1902.50MHz) | Frequency Range | 1GHz ~ 20GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | 3805.00 | -61.4 | -53.0 | 1.3 | -51.7 | -13.0 | -38.7 |

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 | 3805.00 | -59.0 | -50.8 | 1.3 | -49.5 | -13.0 | -36.5 |

n2, Channel Bandwidth 20MHz

| | | | |
|--------------------------|-----------------------------------|-----------------|--------------|
| Mode | TX channel 372000 (1860.00MHz) | Frequency Range | 1GHz ~ 20GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

| 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 | 3720.00 | -61.3 | -52.8 | 1.4 | -51.4 | -13.0 | -38.4 |
| 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 | 3720.00 | -59.1 | -50.9 | 1.4 | -49.5 | -13.0 | -36.5 |

| | | | |
|--------------------------|-----------------------------------|-----------------|--------------|
| Mode | TX channel 376000 (1880.00MHz) | Frequency Range | 1GHz ~ 20GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

| 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 | 3760.00 | -61.2 | -52.7 | 1.3 | -51.4 | -13.0 | -38.4 |
| 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 | 3760.00 | -58.9 | -50.6 | 1.3 | -49.3 | -13.0 | -36.3 |

| | | | |
|--------------------------|-----------------------------------|-----------------|--------------|
| Mode | TX channel 380000 (1900.00MHz) | Frequency Range | 1GHz ~ 20GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

| 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 | 3800.00 | -61.0 | -52.6 | 1.3 | -51.3 | -13.0 | -38.3 |
| 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 | 3800.00 | -58.9 | -50.7 | 1.3 | -49.4 | -13.0 | -36.4 |

LTE Band 5, Channel Bandwidth: 1.4MHz

| | | | |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode | TX channel 20407 (824.7MHz) | Frequency Range | 1GHz ~ 10GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | 1649.40 | -65.2 | -57.5 | 0.9 | -56.6 | -13.0 | -43.6 |

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 | 1649.40 | -63.6 | -56.4 | 0.9 | -55.5 | -13.0 | -42.5 |

| | | | |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode | TX channel 20525 (836.5MHz) | Frequency Range | 1GHz ~ 10GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | 1673.00 | -65.2 | -57.5 | 0.8 | -56.7 | -13.0 | -43.7 |

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 | 1673.00 | -63.8 | -56.4 | 0.8 | -55.6 | -13.0 | -42.6 |

| | | | |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode | TX channel 20643 (848.3MHz) | Frequency Range | 1GHz ~ 10GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | 1696.60 | -65.0 | -57.5 | 0.7 | -56.8 | -13.0 | -43.8 |

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 | 1696.60 | -63.6 | -56.3 | 0.7 | -55.6 | -13.0 | -42.6 |

Remarks:

- ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
- Correction Factor (dB) = Substitution Antenna Gain (dB) - Cable Loss (dB) + 2.15dB.

LTE Band 5, Channel Bandwidth: 5MHz

| | | | |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode | TX channel 20425 (826.5MHz) | Frequency Range | 1GHz ~ 10GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | 1653.00 | -65.5 | -57.8 | 0.9 | -56.9 | -13.0 | -43.9 |

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 | 1653.00 | -63.5 | -56.3 | 0.9 | -55.4 | -13.0 | -42.4 |

| | | | |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode | TX channel 20525 (836.5MHz) | Frequency Range | 1GHz ~ 10GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | 1673.00 | -65.5 | -57.8 | 0.8 | -57.0 | -13.0 | -44.0 |

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 | 1673.00 | -63.6 | -56.3 | 0.8 | -55.5 | -13.0 | -42.5 |

| | | | |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode | TX channel 20625 (846.5MHz) | Frequency Range | 1GHz ~ 10GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | 1693.00 | -65.3 | -57.8 | 0.7 | -57.1 | -13.0 | -44.1 |

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 | 1693.00 | -63.4 | -56.1 | 0.7 | -55.4 | -13.0 | -42.4 |

Remarks:

- ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
- Correction Factor (dB) = Substitution Antenna Gain (dB) - Cable Loss (dB) + 2.15dB.

LTE Band 5, Channel Bandwidth: 10MHz

| | | | |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode | TX channel 20450 (829.0MHz) | Frequency Range | 1GHz ~ 10GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | 1658.00 | -64.8 | -57.2 | 0.9 | -56.3 | -13.0 | -43.3 |

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 | 1658.00 | -63.4 | -56.1 | 0.9 | -55.2 | -13.0 | -42.2 |

| | | | |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode | TX channel 20525 (836.5MHz) | Frequency Range | 1GHz ~ 10GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | 1673.00 | -64.7 | -57.0 | 0.8 | -56.2 | -13.0 | -43.2 |

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 | 1673.00 | -63.1 | -55.8 | 0.8 | -55.0 | -13.0 | -42.0 |

| | | | |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode | TX channel 20600 (844.0MHz) | Frequency Range | 1GHz ~ 10GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | 1688.00 | -64.2 | -56.6 | 0.7 | -55.9 | -13.0 | -42.9 |

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 | 1688.00 | -62.8 | -55.5 | 0.7 | -54.8 | -13.0 | -41.8 |

Remarks:

- ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
- Correction Factor (dB) = Substitution Antenna Gain (dB) - Cable Loss (dB) + 2.15dB.

LTE Band 12, Channel Bandwidth: 1.4MHz

| | | | |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode | TX channel 23017 (699.7MHz) | Frequency Range | 1GHz ~ 18GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | -65.0 | -58.8 | 0.9 | -57.9 | -13.0 | -44.9 |

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 | 1399.40 | -62.0 | -56.9 | 0.9 | -56.0 | -13.0 | -43.0 |

| | | | |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode | TX channel 23095 (707.5MHz) | Frequency Range | 1GHz ~ 18GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | -65.2 | -58.7 | 0.9 | -57.8 | -13.0 | -44.8 |

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 | -62.1 | -56.8 | 0.9 | -55.9 | -13.0 | -42.9 |

| | | | |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode | TX channel 23173 (715.3MHz) | Frequency Range | 1GHz ~ 18GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | -65.8 | -59.0 | 1.0 | -58.0 | -13.0 | -45.0 |

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 | -62.6 | -57.1 | 1.0 | -56.1 | -13.0 | -43.1 |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) - Cable Loss (dB) + 2.15dB.

LTE Band 12, Channel Bandwidth: 5MHz

| | | | |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode | TX channel 23035 (701.5MHz) | Frequency Range | 1GHz ~ 18GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | -65.0 | -58.6 | 0.9 | -57.7 | -13.0 | -44.7 |

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 | -61.6 | -56.5 | 0.9 | -55.6 | -13.0 | -42.6 |

| | | | |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode | TX channel 23095 (707.5MHz) | Frequency Range | 1GHz ~ 18GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | -65.0 | -58.4 | 0.9 | -57.5 | -13.0 | -44.5 |

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 | -61.9 | -56.5 | 0.9 | -55.6 | -13.0 | -42.6 |

| | | | |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode | TX channel 23155 (713.5MHz) | Frequency Range | 1GHz ~ 18GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | -65.8 | -59.1 | 1.0 | -58.1 | -13.0 | -45.1 |

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 | -62.5 | -57.0 | 1.0 | -56.0 | -13.0 | -43.0 |

Remarks:

- ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
- Correction Factor (dB) = Substitution Antenna Gain (dB) - Cable Loss (dB) + 2.15dB.

LTE Band 12, Channel Bandwidth: 10MHz

| | | | |
|--------------------------|------------------------------|-----------------|--------------|
| Mode | TX channel 23060 (704MHz) | Frequency Range | 1GHz ~ 18GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | -64.8 | -58.4 | 0.9 | -57.5 | -13.0 | -44.5 |

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 | -61.4 | -56.2 | 0.9 | -55.3 | -13.0 | -42.3 |

| | | | |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode | TX channel 23095 (707.5MHz) | Frequency Range | 1GHz ~ 18GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | -65.0 | -58.4 | 0.9 | -57.5 | -13.0 | -44.5 |

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 | -61.5 | -56.1 | 0.9 | -55.2 | -13.0 | -42.2 |

| | | | |
|--------------------------|------------------------------|-----------------|--------------|
| Mode | TX channel 23130 (711MHz) | Frequency Range | 1GHz ~ 18GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | -64.8 | -58.2 | 1.0 | -57.2 | -13.0 | -44.2 |

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 | 1422.00 | -61.5 | -56.1 | 1.0 | -55.1 | -13.0 | -42.1 |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) - Cable Loss (dB) + 2.15dB.

LTE Band 13, Channel Bandwidth: 5MHz

| | | | |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode | TX channel 23205 (779.5MHz) | Frequency Range | 1GHz ~ 18GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | -64.8 | -57.0 | 1.3 | -55.7 | -40.0 | -15.7 |

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 | -62.1 | -55.3 | 1.3 | -54.0 | -40.0 | -14.0 |

| | | | |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode | TX channel 23230 (782.0MHz) | Frequency Range | 1GHz ~ 18GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | -65.2 | -57.3 | 1.2 | -56.1 | -40.0 | -16.1 |

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 | -62.0 | -55.1 | 1.2 | -53.9 | -40.0 | -13.9 |

| | | | |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode | TX channel 23255 (784.5MHz) | Frequency Range | 1GHz ~ 18GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | -64.8 | -57.0 | 1.2 | -55.8 | -40.0 | -15.8 |

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 | -62.2 | -55.3 | 1.2 | -54.1 | -40.0 | -14.1 |

Remarks:

- ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
- Correction Factor (dB) = Substitution Antenna Gain (dB) - Cable Loss (dB) + 2.15dB.

LTE Band 13, Channel Bandwidth: 10MHz

| | | | |
|--------------------------|--------------------------------|-----------------|--------------|
| Mode | TX channel 23230 (782.0MHz) | Frequency Range | 1GHz ~ 18GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | -64.5 | -56.7 | 1.2 | -55.5 | -40.0 | -15.5 |

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 | -61.6 | -54.7 | 1.2 | -53.5 | -40.0 | -13.5 |

Remarks:

1. ERP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) - Cable Loss (dB) + 2.15dB.

LTE Band 30, Channel Bandwidth: 5MHz

| | | | |
|--------------------------|---------------------------------|-----------------|--------------|
| Mode | TX channel 27685 (2307.5MHz) | Frequency Range | 1GHz ~ 25GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | 4615.00 | -62.4 | -52.0 | 1.0 | -51.0 | -40.0 | -11.0 |

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 | 4615.00 | -60.5 | -50.3 | 1.0 | -49.3 | -40.0 | -9.3 |

| | | | |
|--------------------------|---------------------------------|-----------------|--------------|
| Mode | TX channel 27710 (2310.0MHz) | Frequency Range | 1GHz ~ 25GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | 4620.00 | -62.3 | -51.9 | 1.0 | -50.9 | -40.0 | -10.9 |

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 | 4620.00 | -60.7 | -50.4 | 1.0 | -49.4 | -40.0 | -9.4 |

| | | | |
|--------------------------|---------------------------------|-----------------|--------------|
| Mode | TX channel 27735 (2312.5MHz) | Frequency Range | 1GHz ~ 25GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | 4625.00 | -62.6 | -52.2 | 1.1 | -51.1 | -40.0 | -11.1 |

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 | 4625.00 | -61.0 | -50.8 | 1.1 | -49.7 | -40.0 | -9.7 |

LTE Band 30, Channel Bandwidth: 10MHz

| | | | |
|--------------------------|---------------------------------|-----------------|--------------|
| Mode | TX channel 27710 (2310.0MHz) | Frequency Range | 1GHz ~ 25GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | 4620.00 | -62.6 | -52.2 | 1.0 | -51.2 | -40.0 | -11.2 |

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 | 4620.00 | -60.8 | -50.5 | 1.0 | -49.5 | -40.0 | -9.5 |

LTE Band 48, Channel Bandwidth 5MHz

| | | | |
|--------------------------|---------------------------------|-----------------|--------------|
| Mode | TX channel 55265 (3552.5MHz) | Frequency Range | 1GHz ~ 40GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | 7105.00 | -63.2 | -45.1 | 0.7 | -44.4 | -40.0 | -4.4 |

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 | 7105.00 | -61.4 | -43.7 | 0.7 | -43.0 | -40.0 | -3.0 |

| | | | |
|--------------------------|---------------------------------|-----------------|--------------|
| Mode | TX channel 55990 (3625.0MHz) | Frequency Range | 1GHz ~ 40GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | 7250.00 | -63.2 | -45.4 | 0.9 | -44.5 | -40.0 | -4.5 |

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 | 7250.00 | -61.3 | -43.4 | 0.9 | -42.5 | -40.0 | -2.5 |

| | | | |
|--------------------------|---------------------------------|-----------------|--------------|
| Mode | TX channel 56715 (3697.5MHz) | Frequency Range | 1GHz ~ 40GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | 7395.00 | -64.1 | -45.5 | 0.9 | -44.6 | -40.0 | -4.6 |

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 | 7395.00 | -61.1 | -43.4 | 0.9 | -42.5 | -40.0 | -2.5 |

LTE Band 48, Channel Bandwidth 20MHz

| | | | |
|--------------------------|---------------------------------|-----------------|--------------|
| Mode | TX channel 55340 (3560.0MHz) | Frequency Range | 1GHz ~ 40GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | 7120.00 | -63.5 | -45.5 | 0.7 | -44.8 | -40.0 | -4.8 |

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 | 7120.00 | -60.9 | -43.2 | 0.7 | -42.5 | -40.0 | -2.5 |

| | | | |
|--------------------------|----------------------------------|-----------------|--------------|
| Mode | TX channel 55990 (3625.00MHz) | Frequency Range | 1GHz ~ 40GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | 7250.00 | -63.0 | -45.2 | 0.9 | -44.3 | -40.0 | -4.3 |

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 | 7250.00 | -60.8 | -42.9 | 0.9 | -42.0 | -40.0 | -2.0 |

| | | | |
|--------------------------|----------------------------------|-----------------|--------------|
| Mode | TX channel 56640 (3690.00MHz) | Frequency Range | 1GHz ~ 40GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | 7380.00 | -62.9 | -44.4 | 0.9 | -43.5 | -40.0 | -3.5 |

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 | 7380.00 | -61.4 | -43.7 | 0.9 | -42.8 | -40.0 | -2.8 |

LTE Band 66, Channel Bandwidth: 1.4MHz

| | | | |
|--------------------------|----------------------------------|-----------------|--------------|
| Mode | TX channel 131979 (1710.7MHz) | Frequency Range | 1GHz ~ 18GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | -63.7 | -55.1 | 1.3 | -53.8 | -13.0 | -40.8 |

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 | 3421.40 | -62.4 | -54.3 | 1.3 | -53.0 | -13.0 | -40.0 |

| | | | |
|--------------------------|----------------------------------|-----------------|--------------|
| Mode | TX channel 132322 (1745.0MHz) | Frequency Range | 1GHz ~ 18GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | -64.2 | -56.0 | 1.5 | -54.5 | -13.0 | -41.5 |

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 | 3490.00 | -62.4 | -54.8 | 1.5 | -53.3 | -13.0 | -40.3 |

| | | | |
|--------------------------|----------------------------------|-----------------|--------------|
| Mode | TX channel 132665 (1779.3MHz) | Frequency Range | 1GHz ~ 18GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | 3558.60 | -64.5 | -56.0 | 1.4 | -54.6 | -13.0 | -41.6 |

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 | 3558.60 | -61.7 | -53.9 | 1.4 | -52.5 | -13.0 | -39.5 |

LTE Band 66, Channel Bandwidth: 5MHz

| | | | |
|--------------------------|----------------------------------|-----------------|--------------|
| Mode | TX channel 131997 (1712.5MHz) | Frequency Range | 1GHz ~ 18GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | -64.8 | -56.2 | 1.3 | -54.9 | -13.0 | -41.9 |

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 | -62.0 | -53.9 | 1.3 | -52.6 | -13.0 | -39.6 |

| | | | |
|--------------------------|----------------------------------|-----------------|--------------|
| Mode | TX channel 132322 (1745.0MHz) | Frequency Range | 1GHz ~ 18GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | -64.1 | -55.9 | 1.5 | -54.4 | -13.0 | -41.4 |

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 | 3490.00 | -62.1 | -54.5 | 1.5 | -53.0 | -13.0 | -40.0 |

| | | | |
|--------------------------|----------------------------------|-----------------|--------------|
| Mode | TX channel 132647 (1777.5MHz) | Frequency Range | 1GHz ~ 18GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

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 | 3555.00 | -63.3 | -54.9 | 1.4 | -53.5 | -13.0 | -40.5 |

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 | 3555.00 | -62.1 | -54.3 | 1.4 | -52.9 | -13.0 | -39.9 |

LTE Band 66, Channel Bandwidth: 20MHz

| | | | |
|--------------------------|----------------------------------|-----------------|--------------|
| Mode | TX channel 132072 (1720.0MHz) | Frequency Range | 1GHz ~ 18GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

| 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 | -63.7 | -55.2 | 1.3 | -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) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1 | 3440.00 | -62.0 | -54.0 | 1.3 | -52.7 | -13.0 | -39.7 |

| | | | |
|--------------------------|----------------------------------|-----------------|--------------|
| Mode | TX channel 132322 (1745.0MHz) | Frequency Range | 1GHz ~ 18GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

| 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 | -63.0 | -54.8 | 1.5 | -53.3 | -13.0 | -40.3 |
| 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 | -61.3 | -53.7 | 1.5 | -52.2 | -13.0 | -39.2 |

| | | | |
|--------------------------|----------------------------------|-----------------|--------------|
| Mode | TX channel 132572 (1770.0MHz) | Frequency Range | 1GHz ~ 18GHz |
| Environmental Conditions | 22deg. C, 68%RH | Input Power | 120Vac, 60Hz |
| Tested By | Greg Lin | | |

| 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 | 3540.00 | -63.0 | -54.6 | 1.4 | -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) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1 | 3540.00 | -61.6 | -53.8 | 1.4 | -52.4 | -13.0 | -39.4 |

5 Pictures of Test Arrangements

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

Appendix – Information of the Testing Laboratories

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

If you have any comments, please feel free to contact us at the following:

Lin Kou EMC/RF Lab

Tel: 886-2-26052180

Fax: 886-2-26051924

Hsin Chu EMC/RF/Telecom Lab

Tel: 886-3-6668565

Fax: 886-3-6668323

Hwa Ya EMC/RF/Safety Lab

Tel: 886-3-3183232

Fax: 886-3-3270892

Email: service.adt@tw.bureauveritas.com

Web Site: www.bureauveritas-adt.com

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

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