

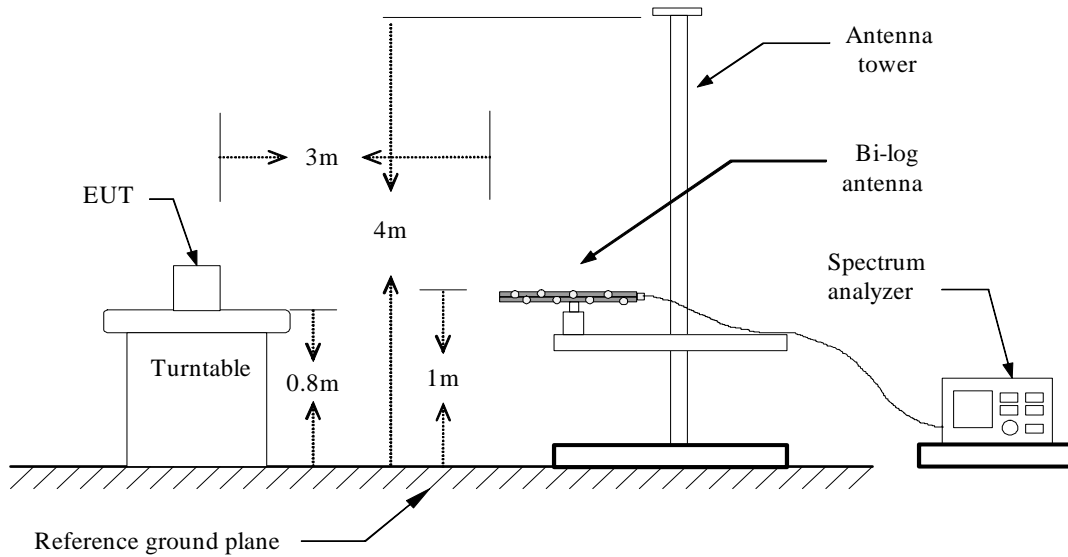
7.8 FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

LIMIT

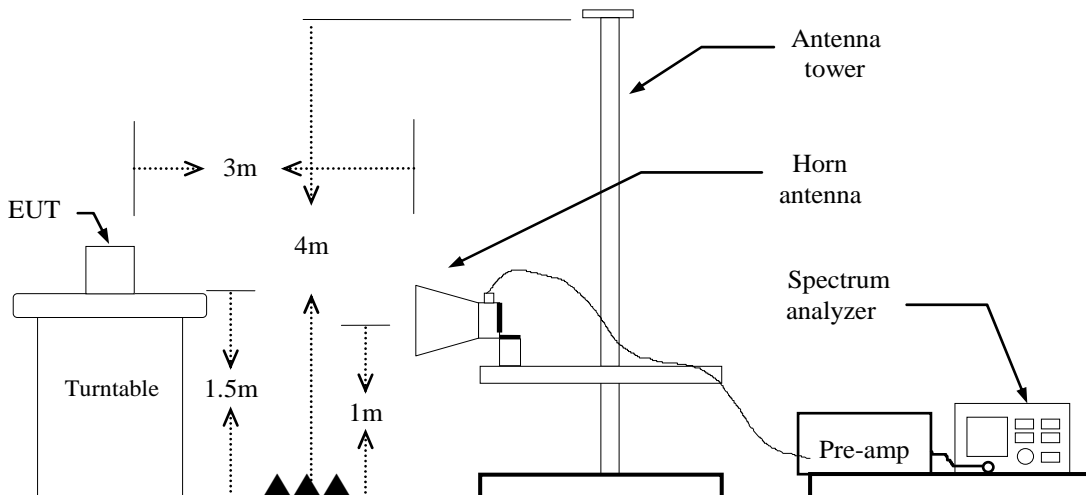
The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $43 + 10 \log_{10}(P)$ dB. The limit of emission equal to -13dBm

Test Configuration

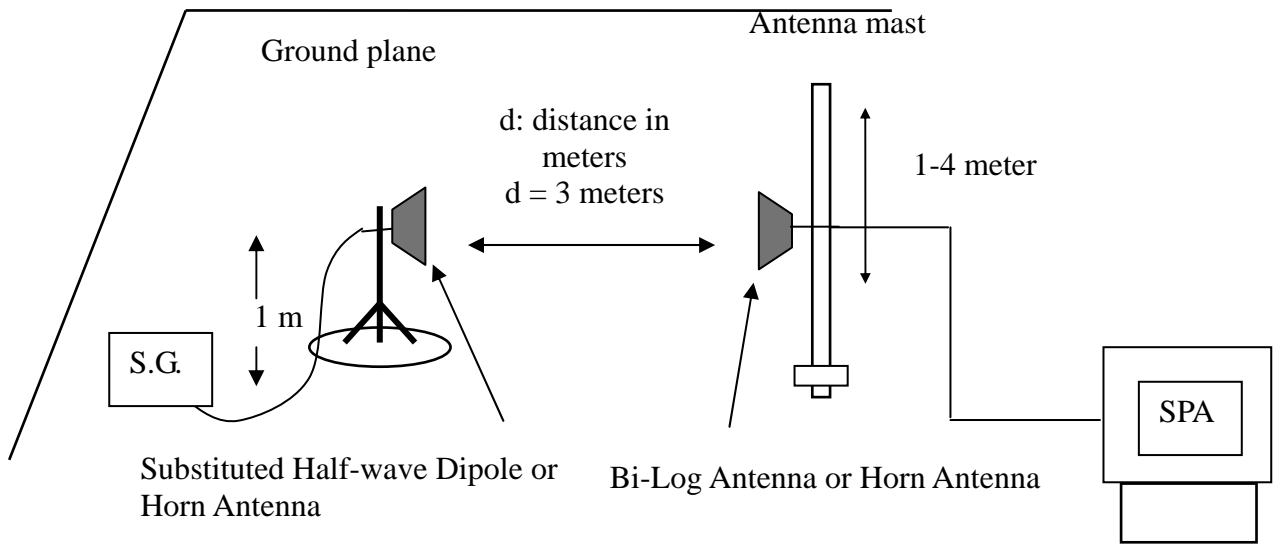
Below 1 GHz



Above 1 GHz



Substituted Method Test Set-up



TEST PROCEDURE

1. The EUT was placed on a turntable
 - (1) Below 1G : 0.8m
 - (2) Above 1G : 1.5m
 - (3) EUT set 3m from the receiving antenna
 - (4) The table was rotated 360 degrees of the highest spurious emission to determine the position.
2. Set the spectrum analyzer , RBW=1MHz, VBW=3MHz.
3. A horn antenna was driven by a signal generator.
4. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission

$$ERP = S.G. \text{ output (dBm)} + \text{Antenna Gain (dBd)} - \text{Cable (dB)}$$

$$EIRP = S.G. \text{ output (dBm)} + \text{Antenna Gain (dBi)} - \text{Cable (dB)}$$

TEST RESULTS

Refer to the attached tabular data sheets.

Test Results

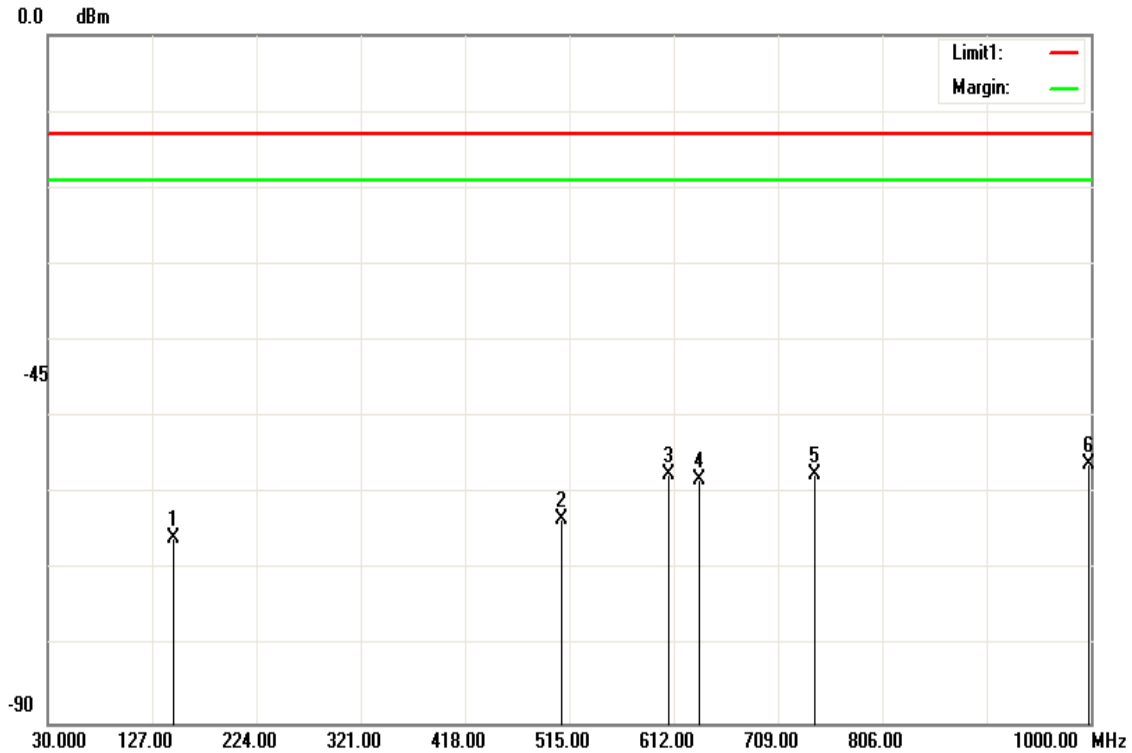
Below 1GHz

LTE Band 5 / BW: 10MHz / QPSK / RB =1, RB Offset = 0

Operation Mode: Tx / Mid CH **Test Date:** April 12, 2017

Temperature: 22.1°C **Tested by:** Timmy Wang

Humidity: 50% RH **Polarity:** Ver.



| Frequency (MHz) | S.G. (dBm) | Ant.Gain (dBi) | Emission level (dBm) | Limit (dBm) | Margin (dB) | Antenna Polarization (V/H) |
|-----------------|------------|----------------|----------------------|-------------|-------------|----------------------------|
| 147.3700 | -66.35 | 0.54 | -65.81 | -13.00 | -52.81 | V |
| 508.2100 | -70.15 | 6.81 | -63.34 | -13.00 | -50.34 | V |
| 607.1500 | -56.25 | -1.17 | -57.42 | -13.00 | -44.42 | V |
| 635.2800 | -58.59 | 0.45 | -58.14 | -13.00 | -45.14 | V |
| 742.9500 | -59.26 | 1.72 | -57.54 | -13.00 | -44.54 | V |
| 998.0600 | -62.5 | 6.39 | -56.11 | -13.00 | -43.11 | V |

Operation Mode: Tx / Mid CH

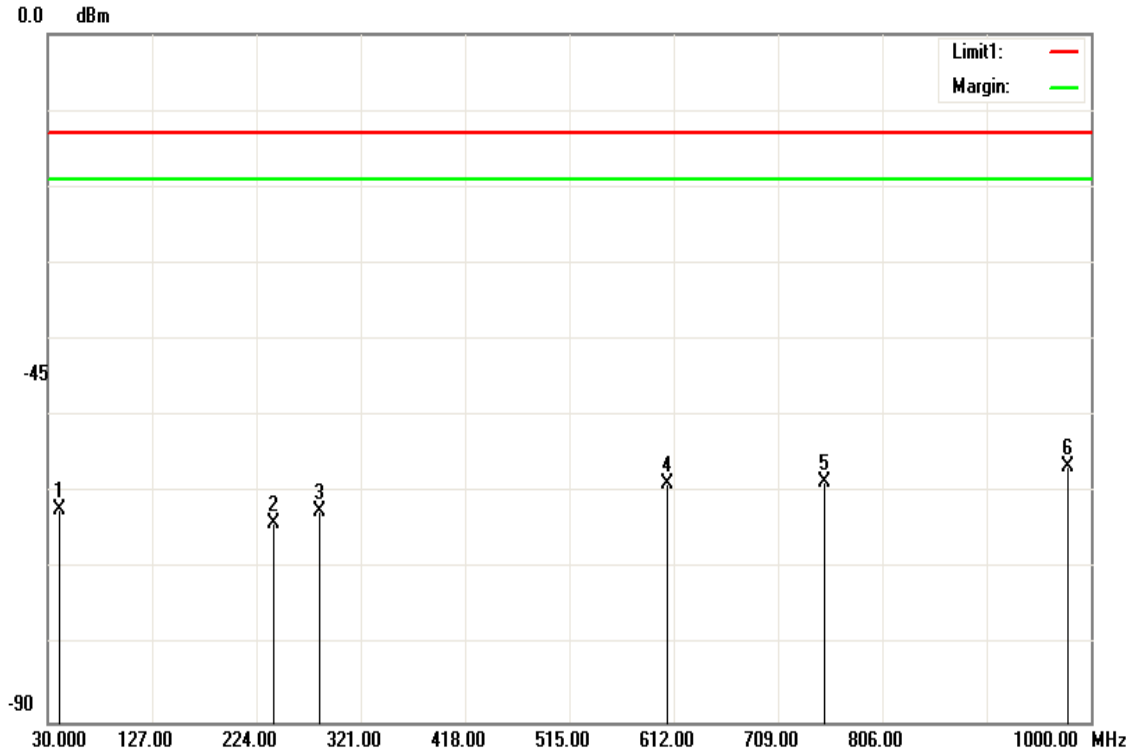
Test Date: April 12, 2017

Temperature: 22.1°C

Tested by: Timmy Wang

Humidity: 50% RH

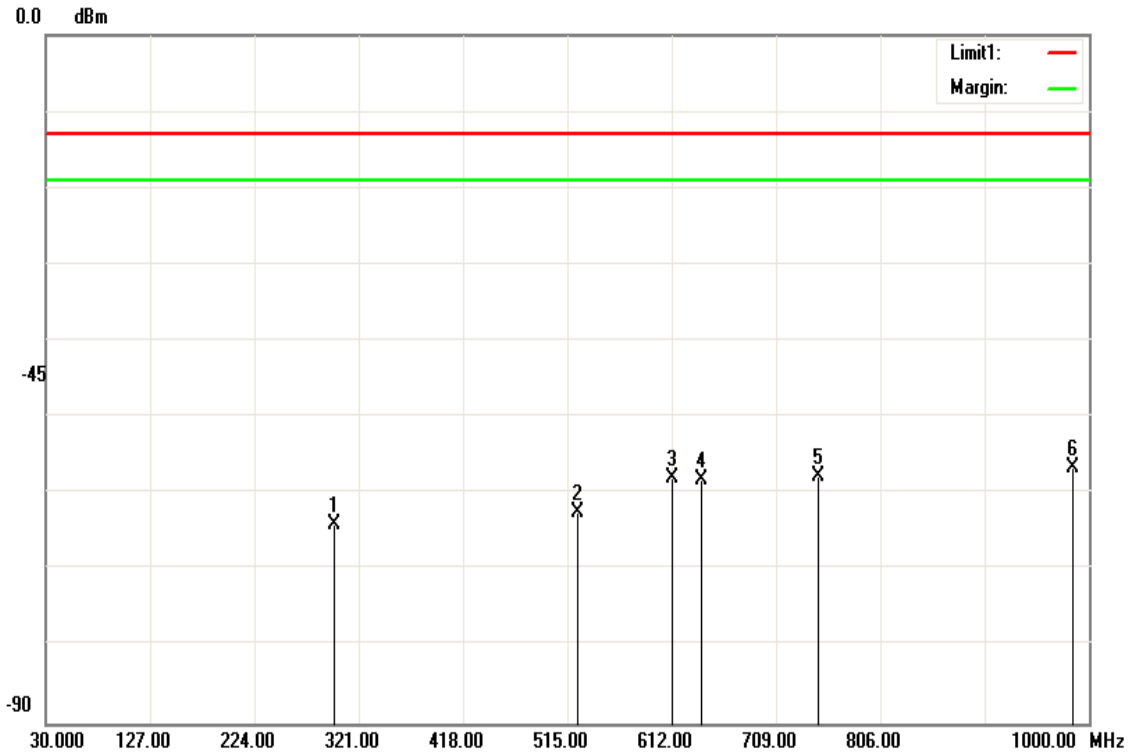
Polarity: Hor.



| Frequency (MHz) | S.G. (dBm) | Ant.Gain (dBi) | Emission level (dBm) | Limit (dBm) | Margin (dB) | Antenna Polarization (V/H) |
|-----------------|------------|----------------|----------------------|-------------|-------------|----------------------------|
| 40.6700 | -56.39 | -5.71 | -62.10 | -13.00 | -49.10 | H |
| 240.4900 | -70.85 | 6.77 | -64.08 | -13.00 | -51.08 | H |
| 282.2000 | -69.6 | 7.08 | -62.52 | -13.00 | -49.52 | H |
| 606.1800 | -57.58 | -1.23 | -58.81 | -13.00 | -45.81 | H |
| 752.6500 | -60.2 | 1.65 | -58.55 | -13.00 | -45.55 | H |
| 978.6600 | -60.92 | 4.34 | -56.58 | -13.00 | -43.58 | H |

LTE Band 5 / BW: 10MHz / 16QAM / RB =1, RB Offset = 0

Operation Mode: Tx / Mid CH **Test Date:** April 12, 2017
Temperature: 22.1°C **Tested by:** Timmy Wang
Humidity: 50% RH **Polarity:** Ver.



| Frequency (MHz) | S.G. (dBm) | Ant.Gain (dBi) | Emission level (dBm) | Limit (dBm) | Margin (dB) | Antenna Polarization (V/H) |
|-----------------|------------|----------------|----------------------|-------------|-------------|----------------------------|
| 297.7200 | -70.86 | 6.92 | -63.94 | -13.00 | -50.94 | V |
| 524.7000 | -69.36 | 6.82 | -62.54 | -13.00 | -49.54 | V |
| 612.0000 | -57.04 | -0.89 | -57.93 | -13.00 | -44.93 | V |
| 640.1300 | -58.8 | 0.72 | -58.08 | -13.00 | -45.08 | V |
| 748.7700 | -59.4 | 1.68 | -57.72 | -13.00 | -44.72 | V |
| 985.4500 | -61.67 | 5.06 | -56.61 | -13.00 | -43.61 | V |

Operation Mode: Tx / Mid CH I

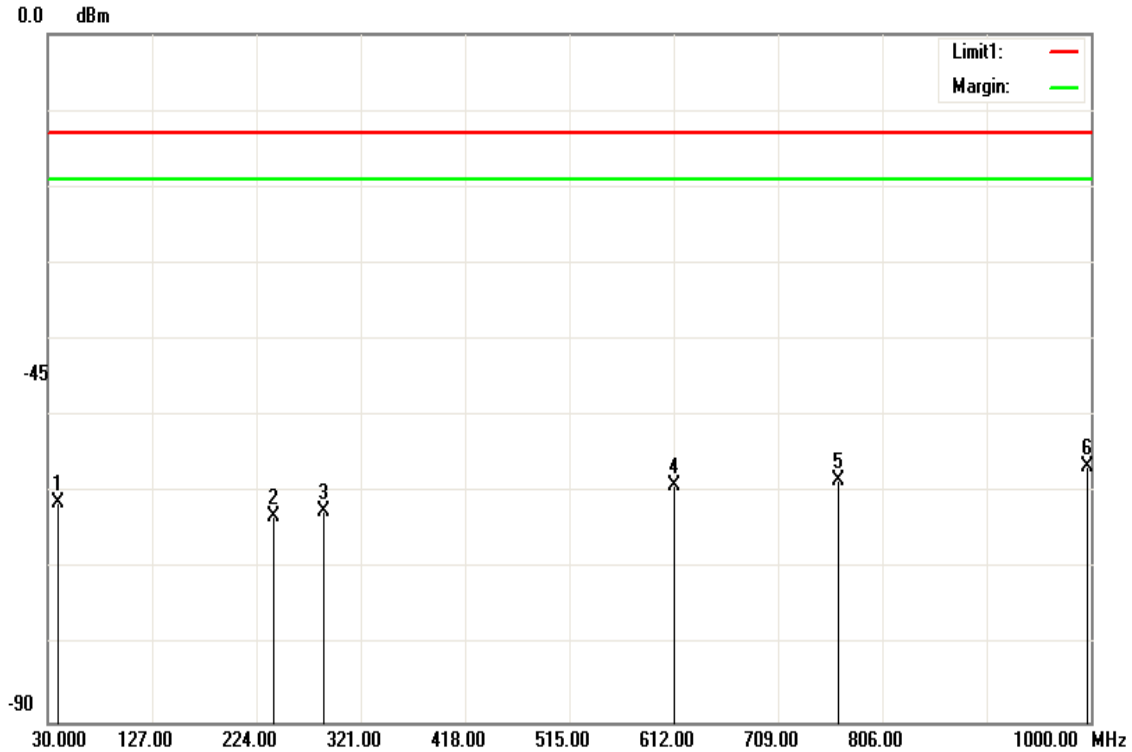
Test Date: April 12, 2017

Temperature: 22.1°C

Tested by: Timmy Wang

Humidity: 50% RH

Polarity: Hor.



| Frequency (MHz) | S.G. (dBm) | Ant.Gain (dBi) | Emission level (dBm) | Limit (dBm) | Margin (dB) | Antenna Polarization (V/H) |
|-----------------|------------|----------------|----------------------|-------------|-------------|----------------------------|
| 39.7000 | -55.31 | -5.91 | -61.22 | -13.00 | -48.22 | H |
| 240.4900 | -69.98 | 6.77 | -63.21 | -13.00 | -50.21 | H |
| 286.0800 | -69.38 | 7.04 | -62.34 | -13.00 | -49.34 | H |
| 612.0000 | -58.17 | -0.89 | -59.06 | -13.00 | -46.06 | H |
| 765.2600 | -59.94 | 1.55 | -58.39 | -13.00 | -45.39 | H |
| 996.1200 | -62.67 | 6.19 | -56.48 | -13.00 | -43.48 | H |

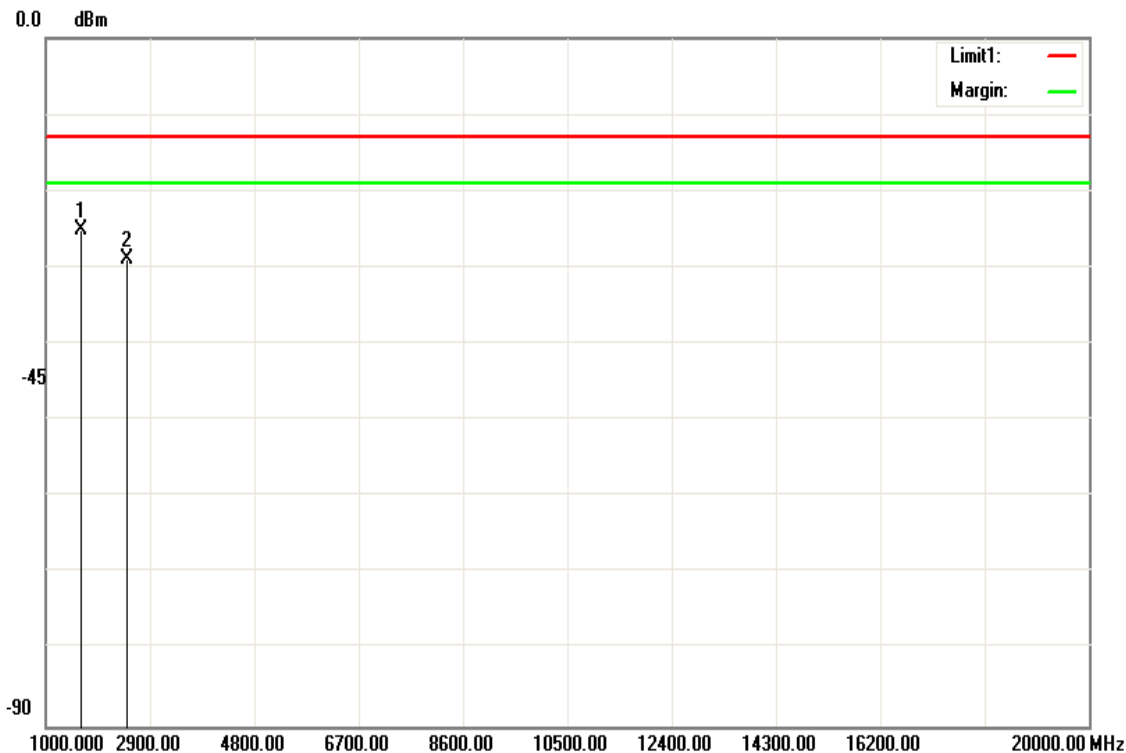
Above 1GHz

LTE Band 5 / BW: 10 MHz / QPSK / RB =1, RB Offset = 0

Operation Mode: Tx / Low CH Test Date: April 12, 2017

Temperature: 22.1°C Tested by: Timmy Wang

Humidity: 50% RH Polarity: Ver.

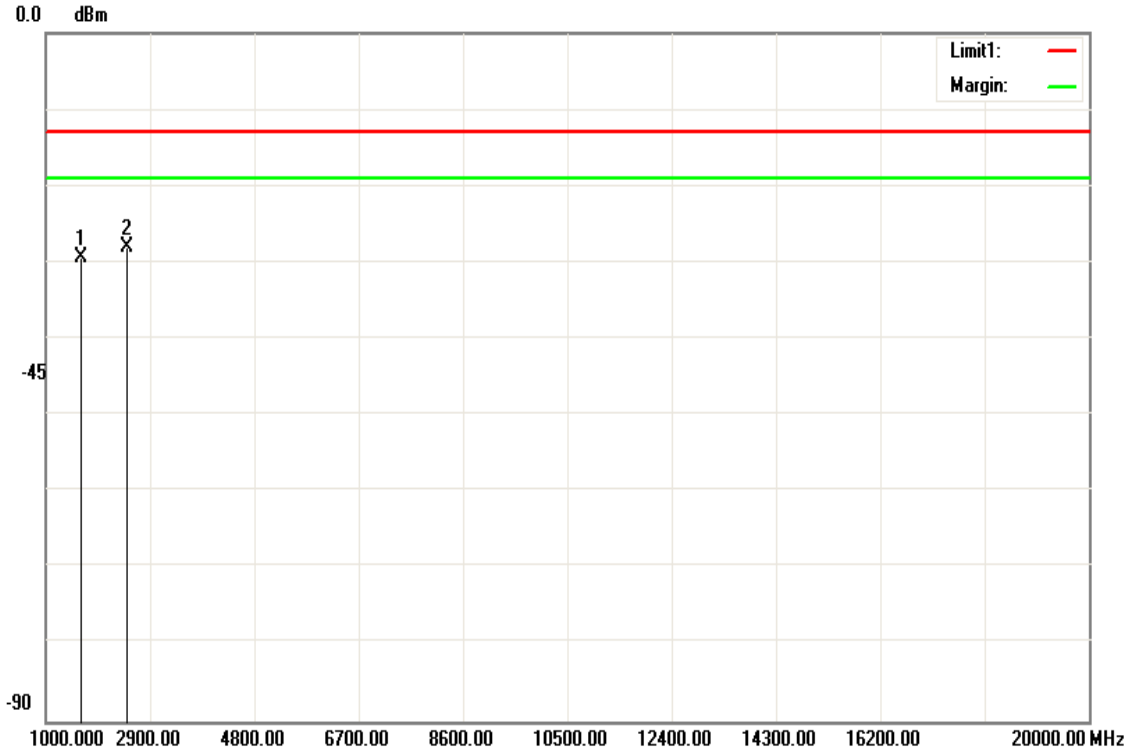


| Frequency (MHz) | S.G. (dBm) | Ant.Gain (dBi) | Emission level (dBm) | Limit (dBm) | Margin (dB) | Antenna Polarization (V/H) |
|-----------------|------------|----------------|----------------------|-------------|-------------|----------------------------|
| 1651.000 | -26.51 | 1.52 | -24.99 | -13.00 | -11.99 | V |
| 2477.000 | -30.74 | 1.83 | -28.91 | -13.00 | -15.91 | V |
| N/A | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Operation Mode: Tx / Low CH **Test Date:** April 12, 2017
Temperature: 22.1°C **Tested by:** Timmy Wang
Humidity: 50% RH **Polarity:** Hor.

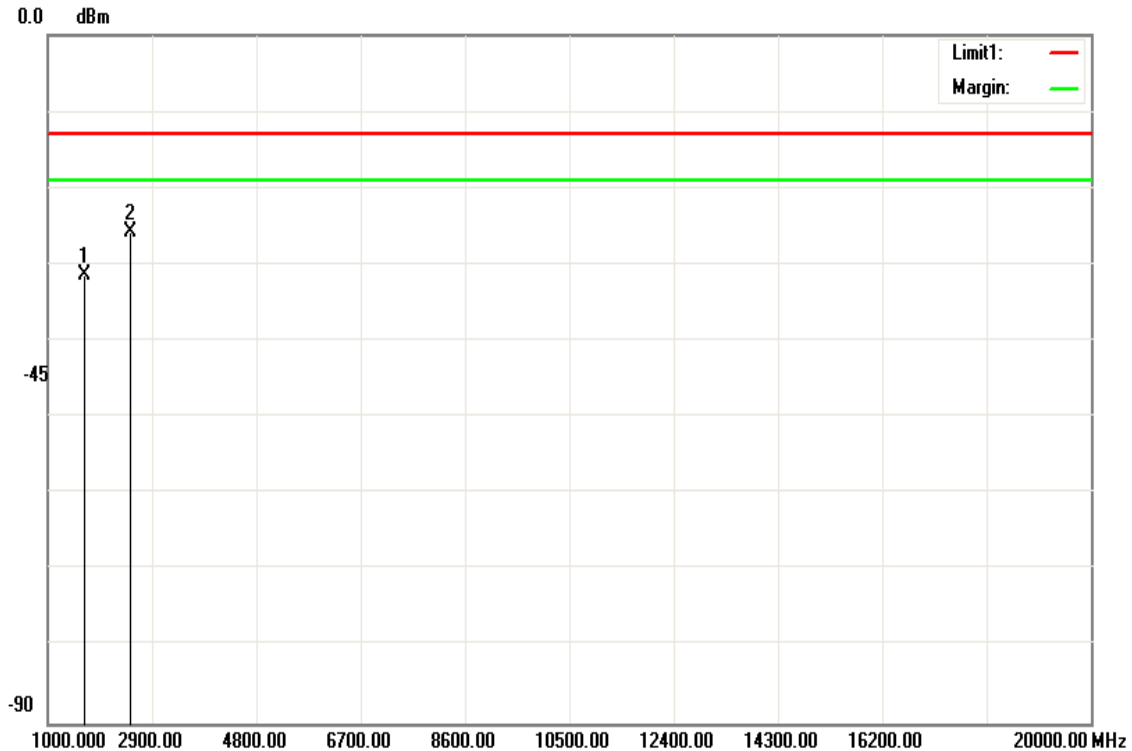


| Frequency (MHz) | S.G. (dBm) | Ant.Gain (dBi) | Emission level (dBm) | Limit (dBm) | Margin (dB) | Antenna Polarization (V/H) |
|-----------------|------------|----------------|----------------------|-------------|-------------|----------------------------|
| 1651.000 | -30.89 | 1.52 | -29.37 | -13.00 | -16.37 | H |
| 2477.000 | -29.74 | 1.83 | -27.91 | -13.00 | -14.91 | H |
| N/A | | | | | | |
| | | | | | | |
| | | | | | | |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Operation Mode: Tx / Mid CH **Test Date:** April 12, 2017
Temperature: 22.1°C **Tested by:** Timmy Wang
Humidity: 50% RH **Polarity:** Ver.

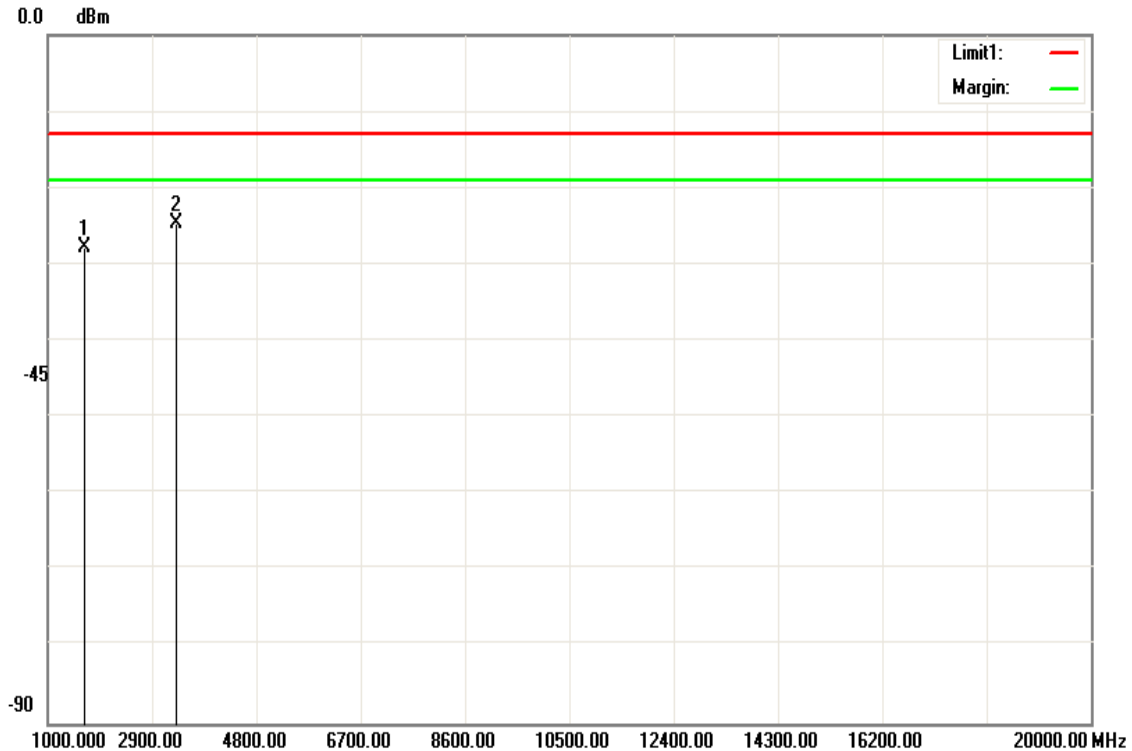


| Frequency (MHz) | S.G. (dBm) | Ant.Gain (dBi) | Emission level (dBm) | Limit (dBm) | Margin (dB) | Antenna Polarization (V/H) |
|-----------------|------------|----------------|----------------------|-------------|-------------|----------------------------|
| 1665.000 | -32.93 | 1.52 | -31.41 | -13.00 | -18.41 | V |
| 2498.000 | -27.61 | 1.85 | -25.76 | -13.00 | -12.76 | V |
| N/A | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Operation Mode: Tx / Mid CH **Test Date:** April 12, 2017
Temperature: 22.1°C **Tested by:** Timmy Wang
Humidity: 50% RH **Polarity:** Hor.

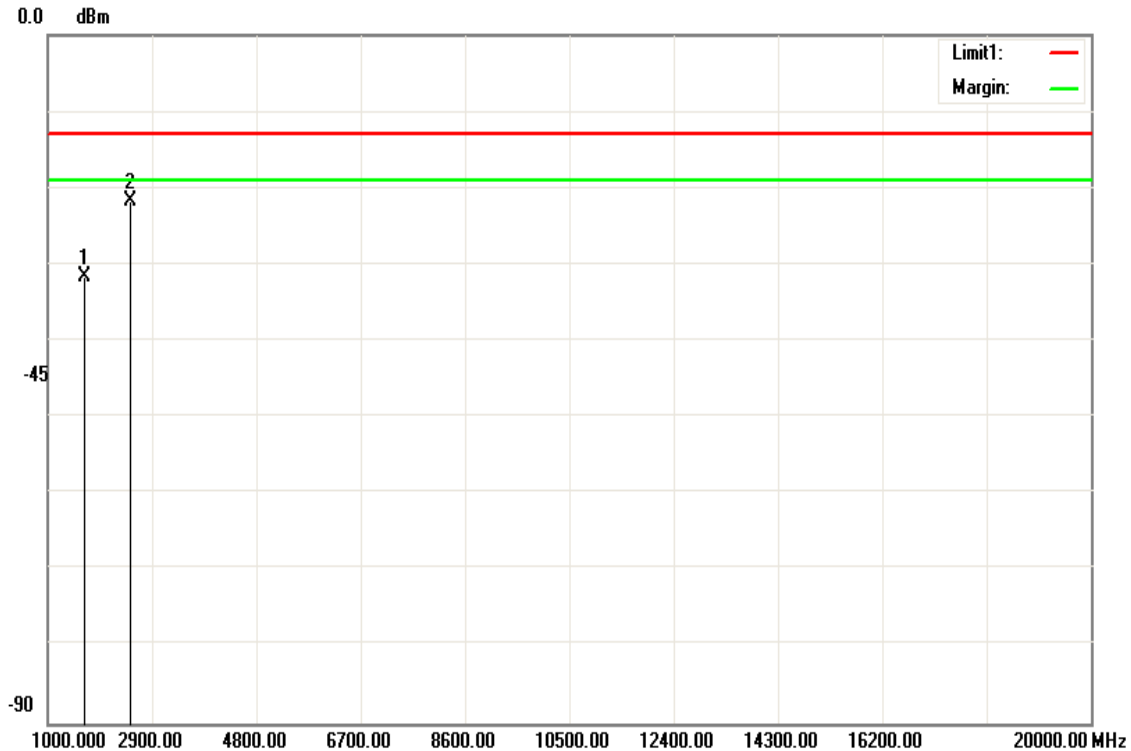


| Frequency (MHz) | S.G. (dBm) | Ant.Gain (dBi) | Emission level (dBm) | Limit (dBm) | Margin (dB) | Antenna Polarization (V/H) |
|-----------------|------------|----------------|----------------------|-------------|-------------|----------------------------|
| 1665.000 | -29.34 | 1.52 | -27.82 | -13.00 | -14.82 | H |
| 3331.000 | -36.6 | 12.06 | -24.54 | -13.00 | -11.54 | H |
| N/A | | | | | | |
| | | | | | | |
| | | | | | | |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Operation Mode: Tx / High CH **Test Date:** April 12, 2017
Temperature: 22.1°C **Tested by:** Timmy Wang
Humidity: 50% RH **Polarity:** Ver.

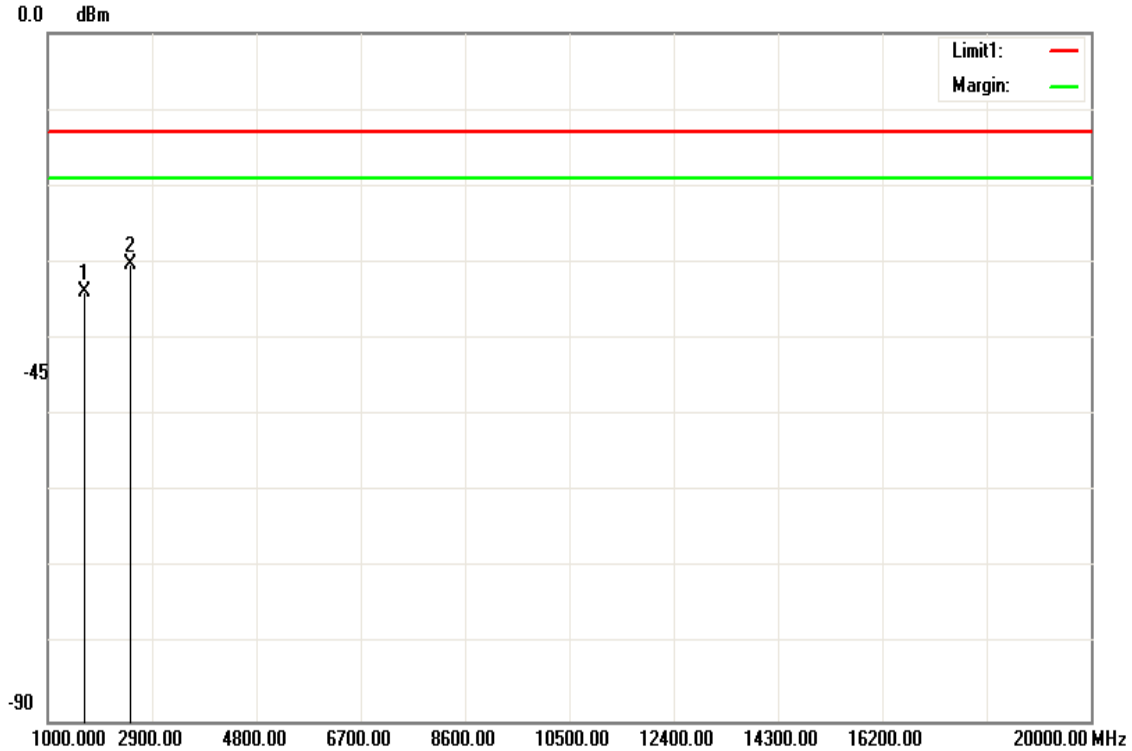


| Frequency (MHz) | S.G. (dBm) | Ant.Gain (dBi) | Emission level (dBm) | Limit (dBm) | Margin (dB) | Antenna Polarization (V/H) |
|-----------------|------------|----------------|----------------------|-------------|-------------|----------------------------|
| 1679.000 | -33.23 | 1.52 | -31.71 | -13.00 | -18.71 | V |
| 2519.000 | -23.84 | 2.21 | -21.63 | -13.00 | -8.63 | V |
| N/A | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Operation Mode: Tx / High CH **Test Date:** April 12, 2017
Temperature: 22.1°C **Tested by:** Timmy Wang
Humidity: 50% RH **Polarity:** Hor.



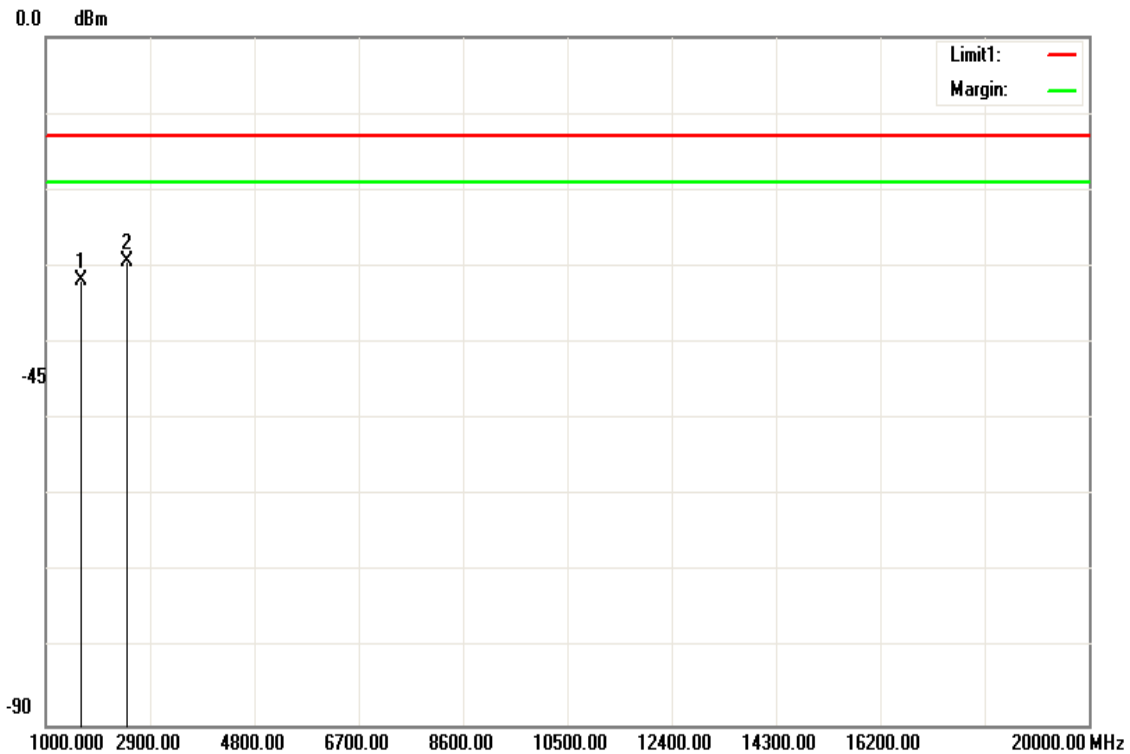
| Frequency (MHz) | S.G. (dBm) | Ant.Gain (dBi) | Emission level (dBm) | Limit (dBm) | Margin (dB) | Antenna Polarization (V/H) |
|-----------------|------------|----------------|----------------------|-------------|-------------|----------------------------|
| 1679.000 | -35.41 | 1.52 | -33.89 | -13.00 | -20.89 | H |
| 2519.000 | -32.44 | 2.21 | -30.23 | -13.00 | -17.23 | H |
| N/A | | | | | | |
| | | | | | | |
| | | | | | | |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

LTE Band 5 / BW: 10MHz / 16QAM / RB =1, RB Offset = 0

Operation Mode: Tx / Low CH **Test Date:** April 12, 2017
Temperature: 22.1°C **Tested by:** Timmy Wang
Humidity: 50% RH **Polarity:** Ver.

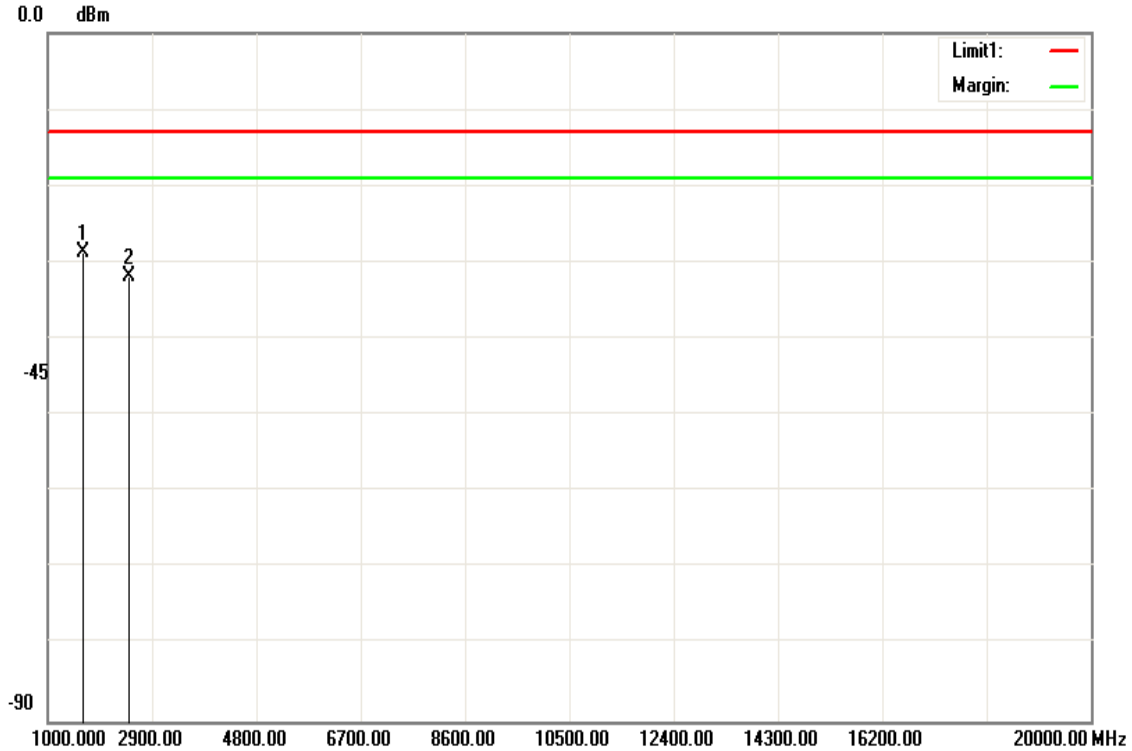


| Frequency (MHz) | S.G. (dBm) | Ant.Gain (dBi) | Emission level (dBm) | Limit (dBm) | Margin (dB) | Antenna Polarization (V/H) |
|-----------------|------------|----------------|----------------------|-------------|-------------|----------------------------|
| 1651.000 | -33.4 | 1.52 | -31.88 | -13.00 | -18.88 | V |
| 2477.000 | -31.3 | 1.83 | -29.47 | -13.00 | -16.47 | V |
| N/A | | | | | | |
| | | | | | | |
| | | | | | | |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Operation Mode: Tx / Low CH **Test Date:** April 12, 2017
Temperature: 22.1°C **Tested by:** Timmy Wang
Humidity: 50% RH **Polarity:** Hor.

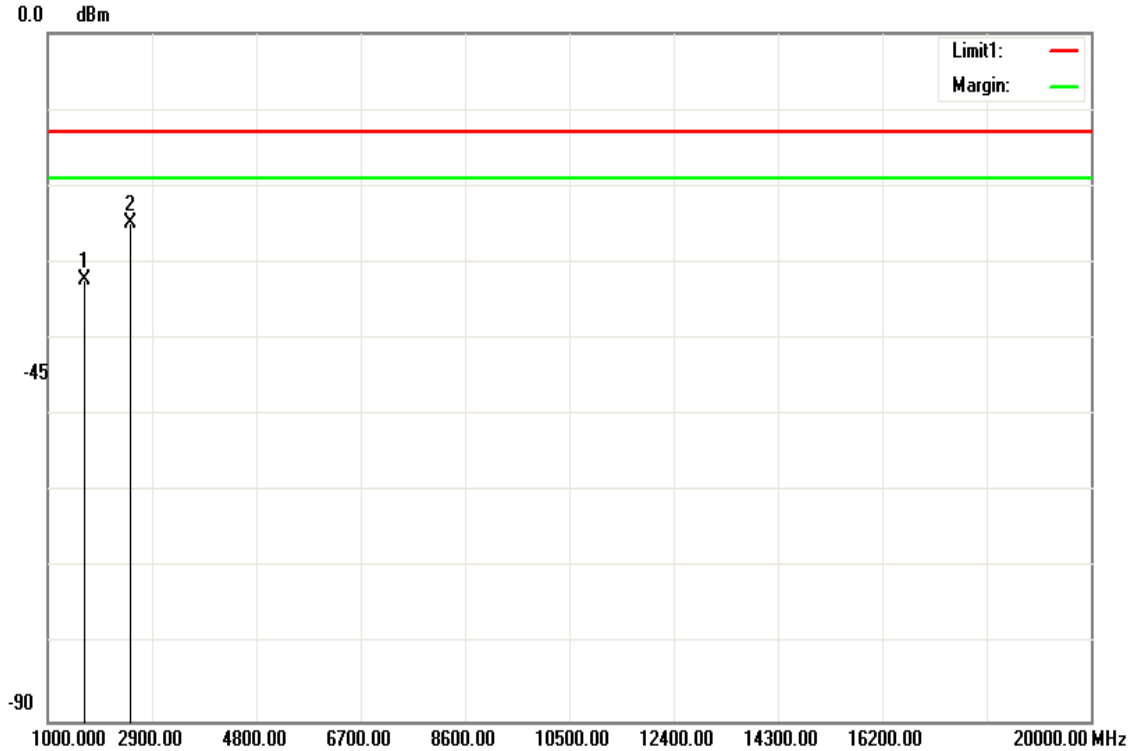


| Frequency (MHz) | S.G. (dBm) | Ant.Gain (dBi) | Emission level (dBm) | Limit (dBm) | Margin (dB) | Antenna Polarization (V/H) |
|-----------------|------------|----------------|----------------------|-------------|-------------|----------------------------|
| 1651.000 | -30.14 | 1.52 | -28.62 | -13.00 | -15.62 | H |
| 2477.000 | -33.73 | 1.83 | -31.90 | -13.00 | -18.90 | H |
| N/A | | | | | | |
| | | | | | | |
| | | | | | | |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Operation Mode: Tx / Mid CH **Test Date:** April 12, 2017
Temperature: 22.1°C **Tested by:** Timmy Wang
Humidity: 50% RH **Polarity:** Ver.

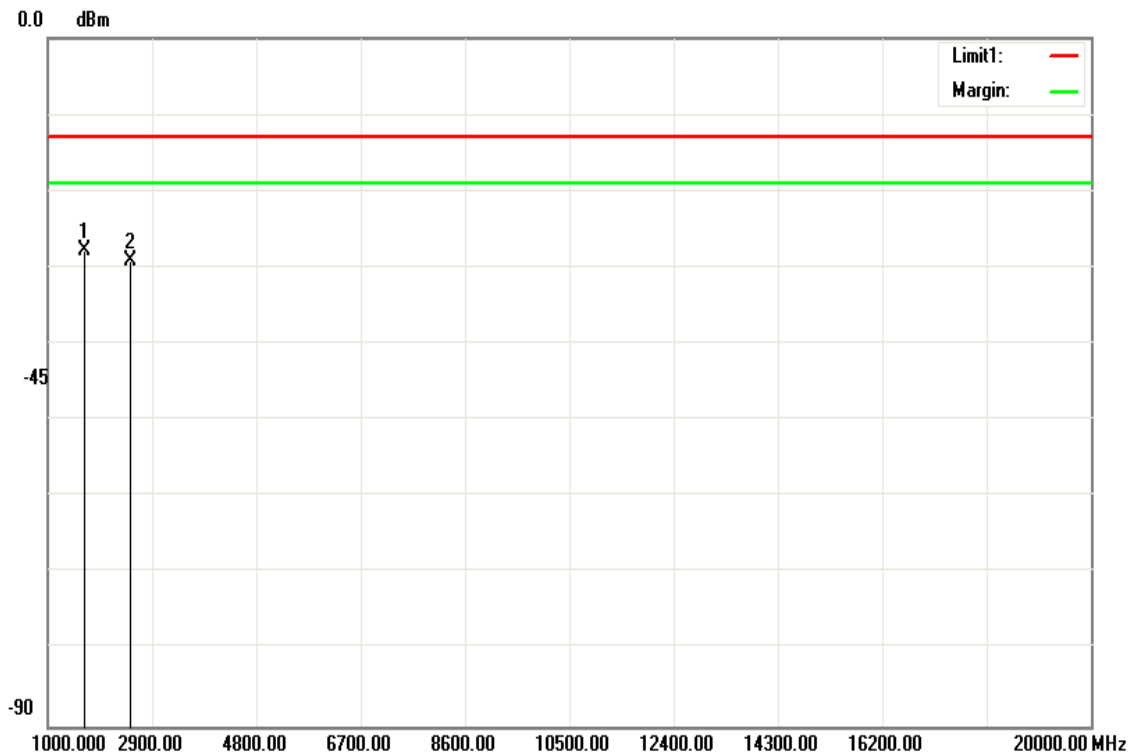


| Frequency (MHz) | S.G. (dBm) | Ant.Gain (dBi) | Emission level (dBm) | Limit (dBm) | Margin (dB) | Antenna Polarization (V/H) |
|-----------------|------------|----------------|----------------------|-------------|-------------|----------------------------|
| 1665.000 | -33.75 | 1.52 | -32.23 | -13.00 | -19.23 | V |
| 2498.000 | -26.65 | 1.85 | -24.80 | -13.00 | -11.80 | V |
| N/A | | | | | | |
| | | | | | | |
| | | | | | | |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Operation Mode: Tx / Mid CH **Test Date:** April 12, 2017
Temperature: 22.1°C **Tested by:** Timmy Wang
Humidity: 50% RH **Polarity:** Hor.

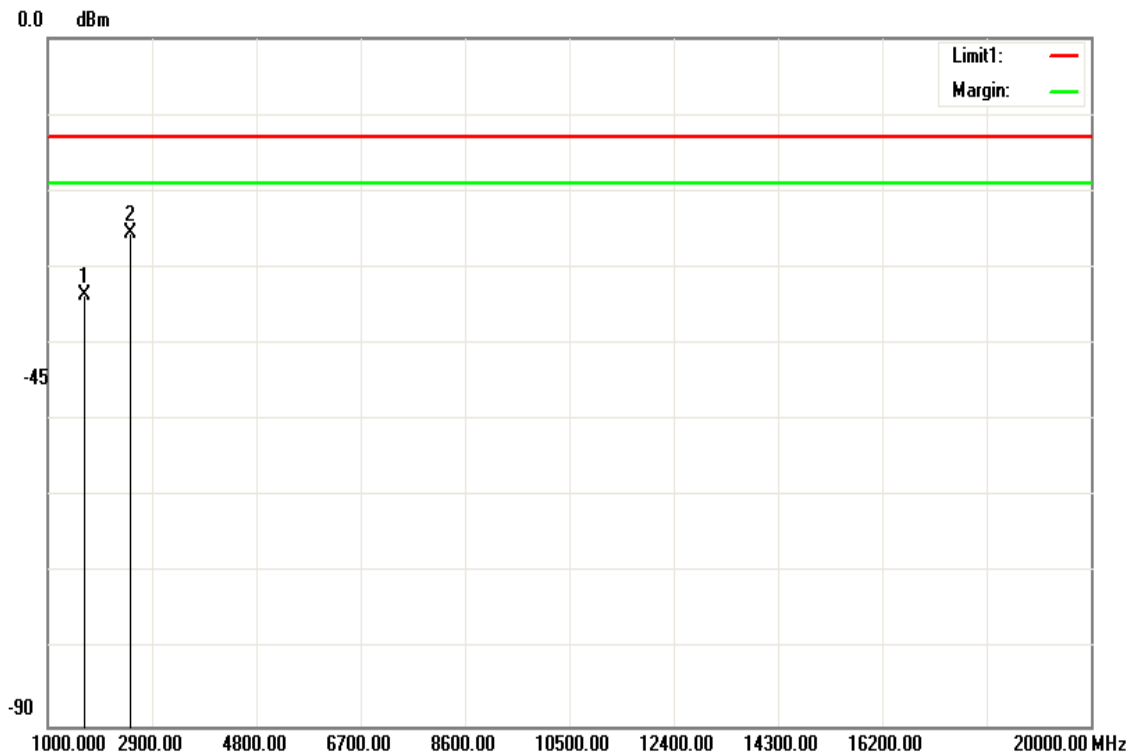


| Frequency (MHz) | S.G. (dBm) | Ant.Gain (dBi) | Emission level (dBm) | Limit (dBm) | Margin (dB) | Antenna Polarization (V/H) |
|-----------------|------------|----------------|----------------------|-------------|-------------|----------------------------|
| 1665.000 | -29.36 | 1.52 | -27.84 | -13.00 | -14.84 | H |
| 2498.000 | -31.07 | 1.85 | -29.22 | -13.00 | -16.22 | H |
| N/A | | | | | | |
| | | | | | | |
| | | | | | | |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Operation Mode: Tx / High CH **Test Date:** April 12, 2017
Temperature: 22.1°C **Tested by:** Timmy Wang
Humidity: 50% RH **Polarity:** Ver.

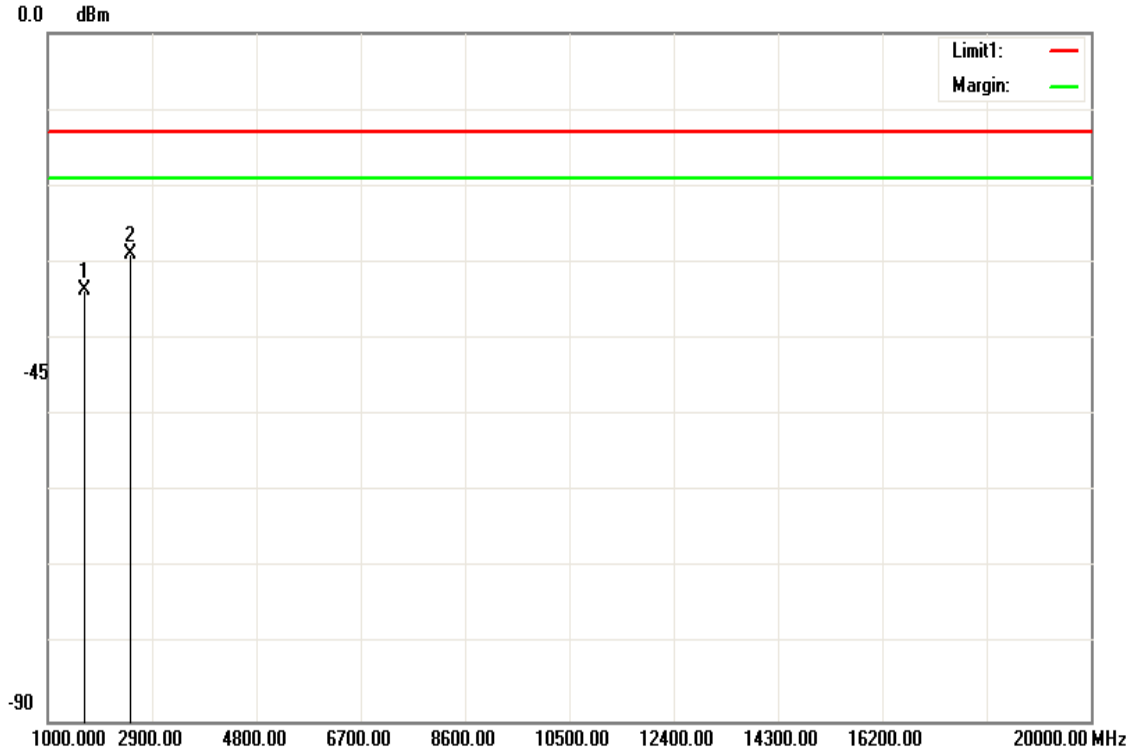


| Frequency (MHz) | S.G. (dBm) | Ant.Gain (dBi) | Emission level (dBm) | Limit (dBm) | Margin (dB) | Antenna Polarization (V/H) |
|-----------------|------------|----------------|----------------------|-------------|-------------|----------------------------|
| 1679.000 | -35.18 | 1.52 | -33.66 | -13.00 | -20.66 | V |
| 2519.000 | -27.67 | 2.21 | -25.46 | -13.00 | -12.46 | V |
| N/A | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Operation Mode: Tx / High CH **Test Date:** April 12, 2017
Temperature: 22.1°C **Tested by:** Timmy Wang
Humidity: 50% RH **Polarity:** Hor.



| Frequency (MHz) | S.G. (dBm) | Ant.Gain (dBi) | Emission level (dBm) | Limit (dBm) | Margin (dB) | Antenna Polarization (V/H) |
|-----------------|------------|----------------|----------------------|-------------|-------------|----------------------------|
| 1679.000 | -35.06 | 1.52 | -33.54 | -13.00 | -20.54 | H |
| 2519.000 | -31.04 | 2.21 | -28.83 | -13.00 | -15.83 | H |
| N/A | | | | | | |
| | | | | | | |
| | | | | | | |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Results

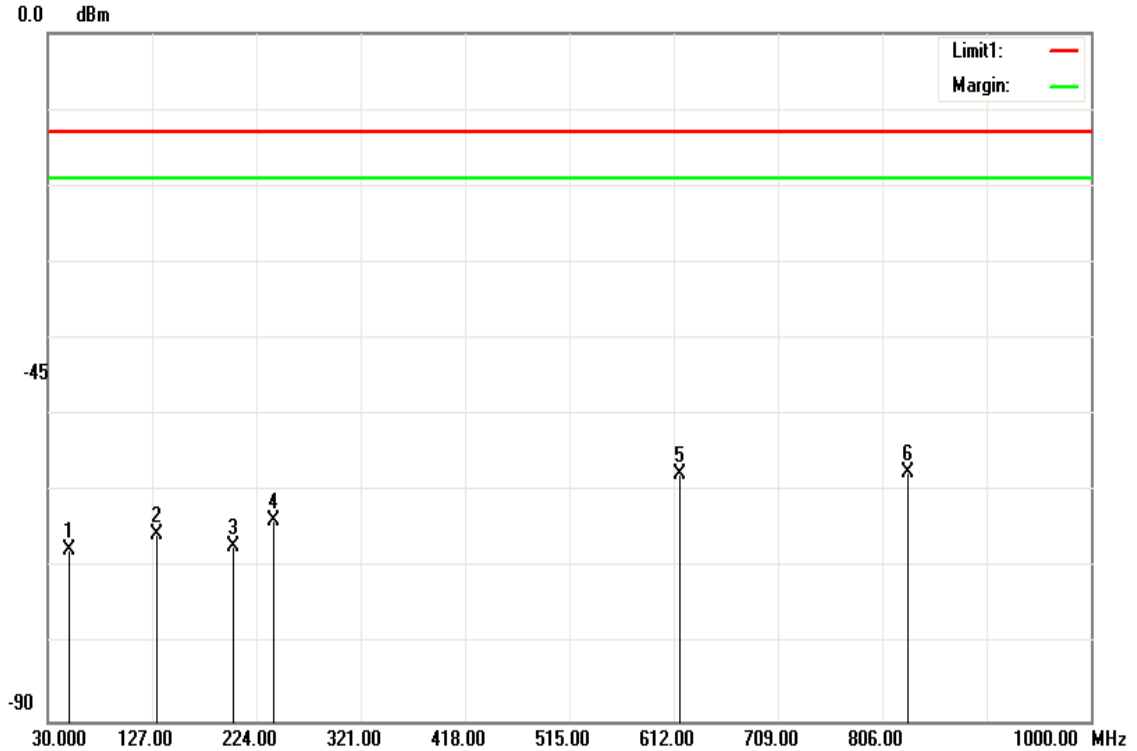
Below 1GHz

LTE Band 2 / BW: 20MHz / QPSK / RB =1, RB Offset = 0

Operation Mode: Tx / Mid CH **Test Date:** April 12, 2017

Temperature: 22.1°C **Tested by:** Timmy Wang

Humidity: 50% RH **Polarity:** Ver.



| Frequency (MHz) | S.G. (dBm) | Ant.Gain (dBi) | Emission level (dBm) | Limit (dBm) | Margin (dB) | Antenna Polarization (V/H) |
|-----------------|------------|----------------|----------------------|-------------|-------------|----------------------------|
| 49.4000 | -64.95 | -2.56 | -67.51 | -13.00 | -54.51 | V |
| 131.8500 | -66.62 | 1.08 | -65.54 | -13.00 | -52.54 | V |
| 202.6600 | -71.5 | 4.28 | -67.22 | -13.00 | -54.22 | V |
| 240.4900 | -70.56 | 6.77 | -63.79 | -13.00 | -50.79 | V |
| 617.8200 | -57.08 | -0.56 | -57.64 | -13.00 | -44.64 | V |
| 830.2500 | -58.67 | 1.22 | -57.45 | -13.00 | -44.45 | V |

Operation Mode: Tx / Mid CH

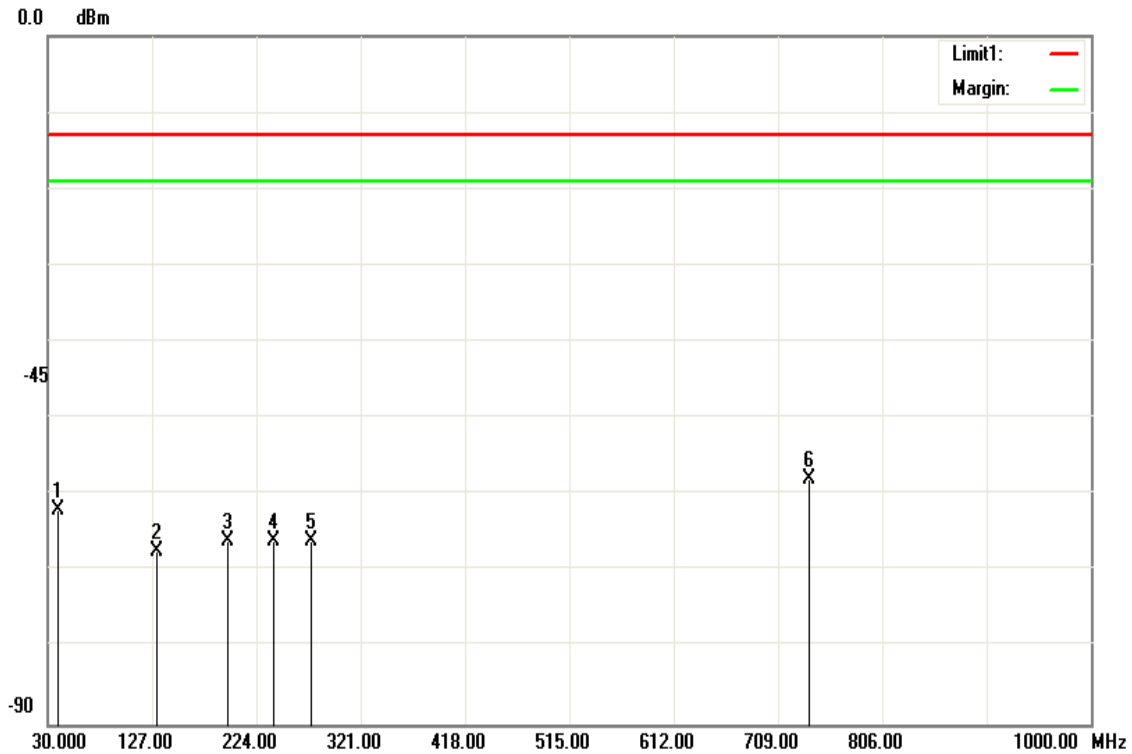
Test Date: April 12, 2017

Temperature: 22.1°C

Tested by: Timmy Wang

Humidity: 50% RH

Polarity: Hor.



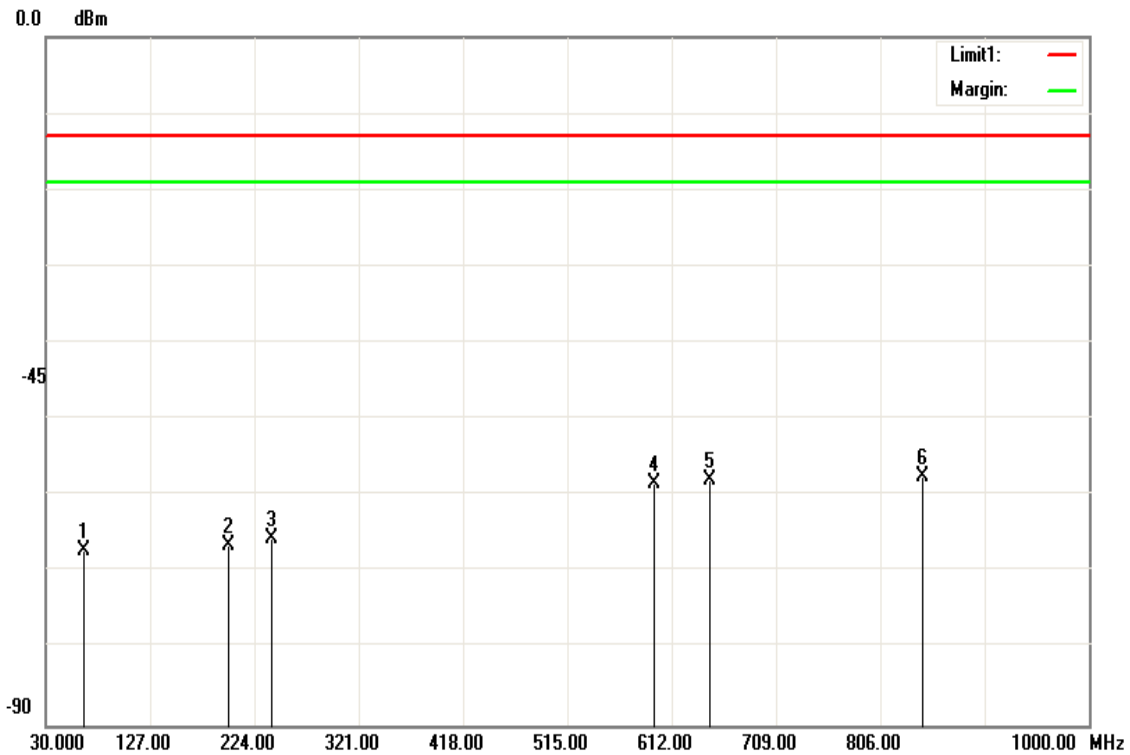
| Frequency (MHz) | S.G. (dBm) | Ant.Gain (dBi) | Emission level (dBm) | Limit (dBm) | Margin (dB) | Antenna Polarization (V/H) |
|-----------------|------------|----------------|----------------------|-------------|-------------|----------------------------|
| 39.7000 | -56.05 | -5.91 | -61.96 | -13.00 | -48.96 | H |
| 130.8800 | -68.43 | 1.06 | -67.37 | -13.00 | -54.37 | H |
| 196.8400 | -70.06 | 4.1 | -65.96 | -13.00 | -52.96 | H |
| 240.4900 | -72.77 | 6.77 | -66.00 | -13.00 | -53.00 | H |
| 275.4100 | -73.25 | 7.15 | -66.10 | -13.00 | -53.10 | H |
| 738.1000 | -59.6 | 1.76 | -57.84 | -13.00 | -44.84 | H |

LTE Band 2 / BW: 20MHz / 16QAM / RB =1, RB Offset = 0

Operation Mode: Tx / Mid CH **Test Date:** April 12, 2017

Temperature: 22.1°C **Tested by:** Timmy Wang

Humidity: 50% RH **Polarity:** Ver.



| Frequency (MHz) | S.G. (dBm) | Ant.Gain (dBi) | Emission level (dBm) | Limit (dBm) | Margin (dB) | Antenna Polarization (V/H) |
|-----------------|------------|----------------|----------------------|-------------|-------------|----------------------------|
| 65.8900 | -67.06 | -0.12 | -67.18 | -13.00 | -54.18 | V |
| 199.7500 | -70.65 | 4.1 | -66.55 | -13.00 | -53.55 | V |
| 240.4900 | -72.25 | 6.77 | -65.48 | -13.00 | -52.48 | V |
| 595.5100 | -57.64 | -0.82 | -58.46 | -13.00 | -45.46 | V |
| 647.8900 | -59.21 | 1.17 | -58.04 | -13.00 | -45.04 | V |
| 844.8000 | -58.57 | 1.18 | -57.39 | -13.00 | -44.39 | V |

Operation Mode: Tx / Mid CH

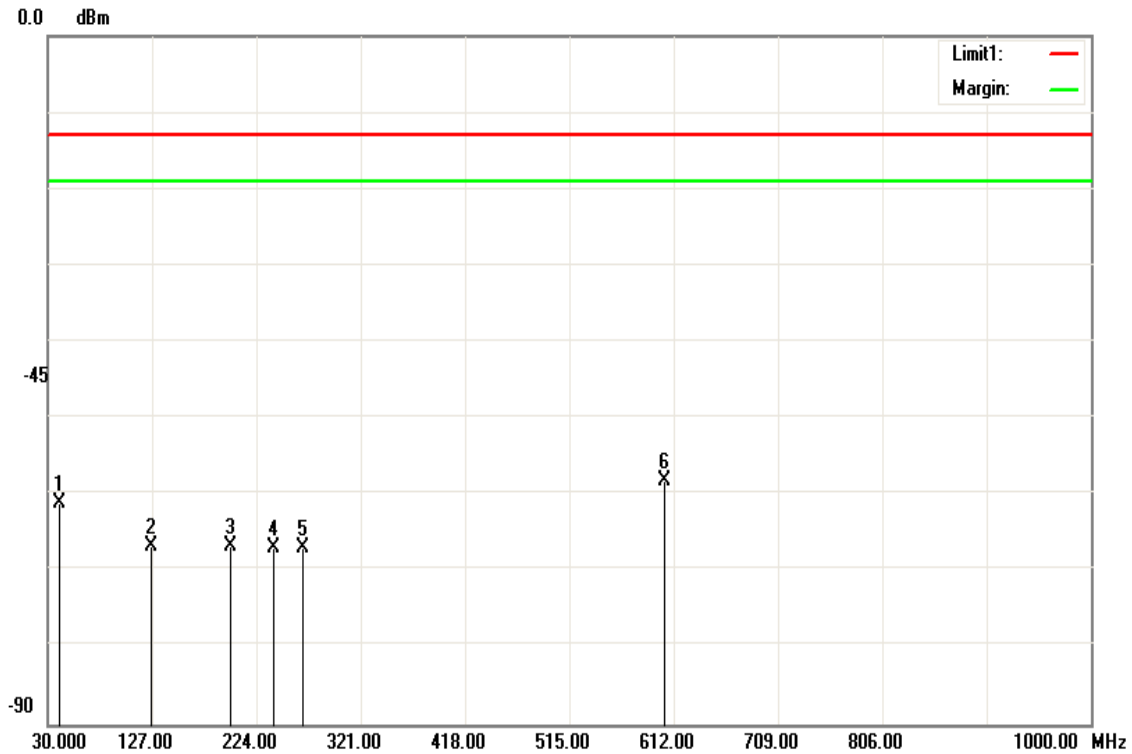
Test Date: April 12, 2017

Temperature: 22.1°C

Tested by: Timmy Wang

Humidity: 50% RH

Polarity: Hor.



| Frequency (MHz) | S.G. (dBm) | Ant.Gain (dBi) | Emission level (dBm) | Limit (dBm) | Margin (dB) | Antenna Polarization (V/H) |
|-----------------|------------|----------------|----------------------|-------------|-------------|----------------------------|
| 40.6700 | -55.39 | -5.71 | -61.10 | -13.00 | -48.10 | H |
| 126.0300 | -67.65 | 0.99 | -66.66 | -13.00 | -53.66 | H |
| 199.7500 | -70.79 | 4.1 | -66.69 | -13.00 | -53.69 | H |
| 240.4900 | -73.81 | 6.77 | -67.04 | -13.00 | -54.04 | H |
| 266.6800 | -74.23 | 7.23 | -67.00 | -13.00 | -54.00 | H |
| 603.2700 | -56.74 | -1.39 | -58.13 | -13.00 | -45.13 | H |

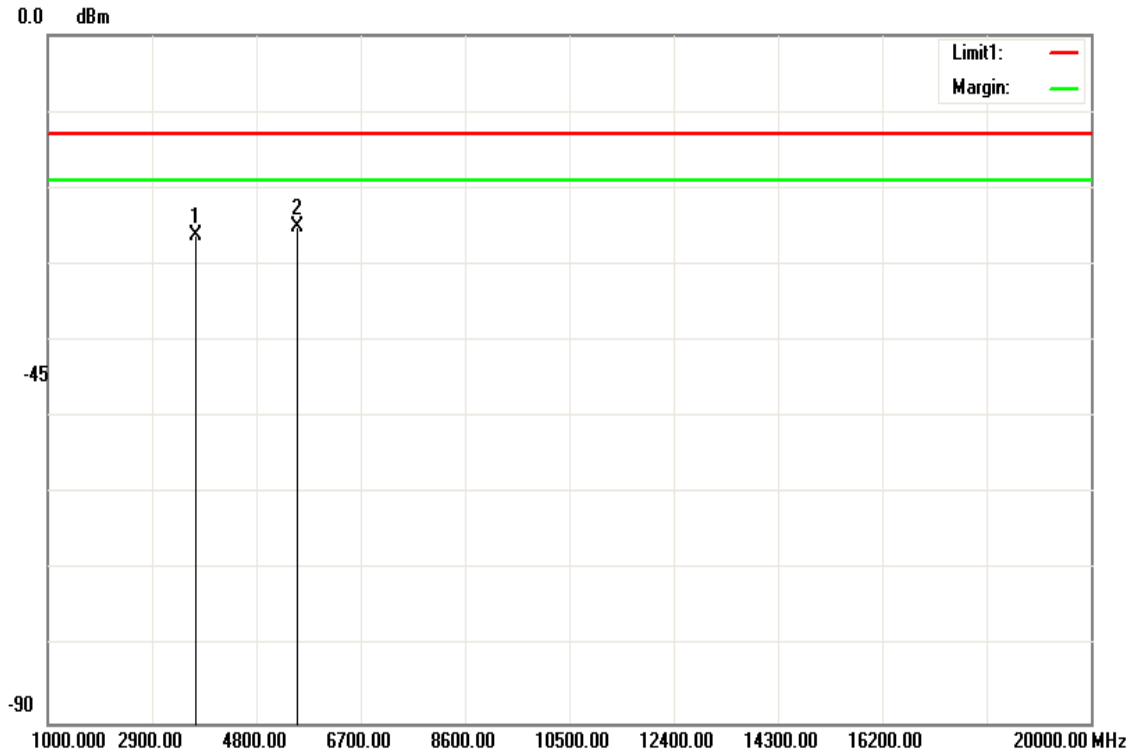
Above 1GHz

LTE Band 2 / BW: 20MHz / QPSK RB =1, RB Offset = 0

Operation Mode: Tx / Low CH **Test Date:** April 12, 2017

Temperature: 22.1°C **Tested by:** Timmy Wang

Humidity: 50% RH **Polarity:** Ver.



| Frequency (MHz) | S.G. (dBm) | Ant.Gain (dBi) | Emission level (dBm) | Limit (dBm) | Margin (dB) | Antenna Polarization (V/H) |
|-----------------|------------|----------------|----------------------|-------------|-------------|----------------------------|
| 3702.000 | -38.77 | 12.54 | -26.23 | -13.00 | -13.23 | V |
| 5557.000 | -37.9 | 12.88 | -25.02 | -13.00 | -12.02 | V |
| N/A | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Operation Mode: Tx / Low CH

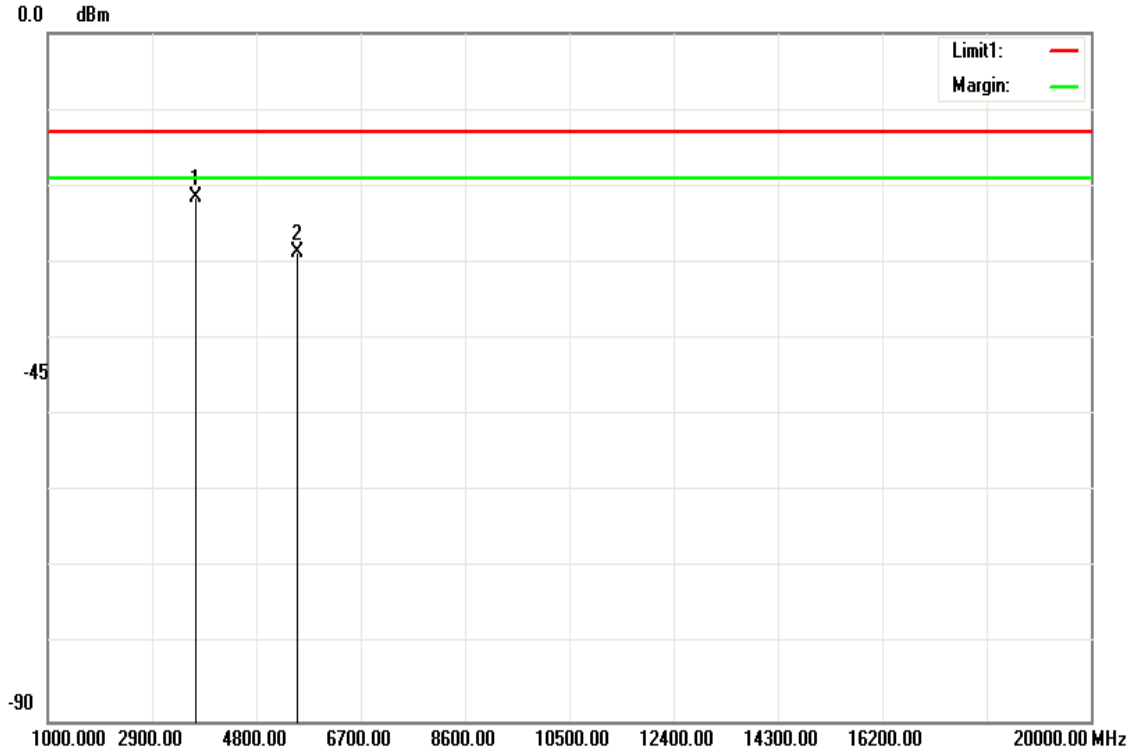
Test Date: April 12, 2017

Temperature: 22.1°C

Tested by: Timmy Wang

Humidity: 50% RH

Polarity: Hor.



| Frequency (MHz) | S.G. (dBm) | Ant.Gain (dBi) | Emission level (dBm) | Limit (dBm) | Margin (dB) | Antenna Polarization (V/H) |
|-----------------|------------|----------------|----------------------|-------------|-------------|----------------------------|
| 3702.000 | -34.08 | 12.54 | -21.54 | -13.00 | -8.54 | H |
| 5557.000 | -41.52 | 12.88 | -28.64 | -13.00 | -15.64 | H |
| N/A | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Operation Mode: Tx / Mid CH

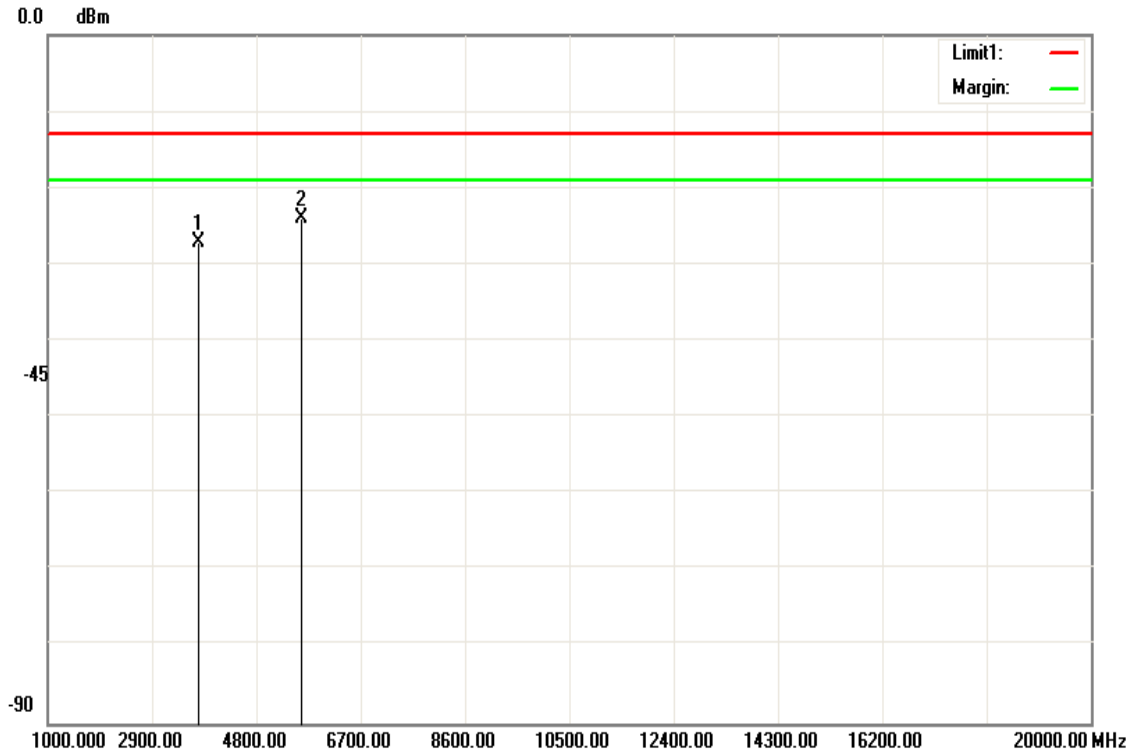
Test Date: April 12, 2017

Temperature: 22.1°C

Tested by: Timmy Wang

Humidity: 50% RH

Polarity: Ver.



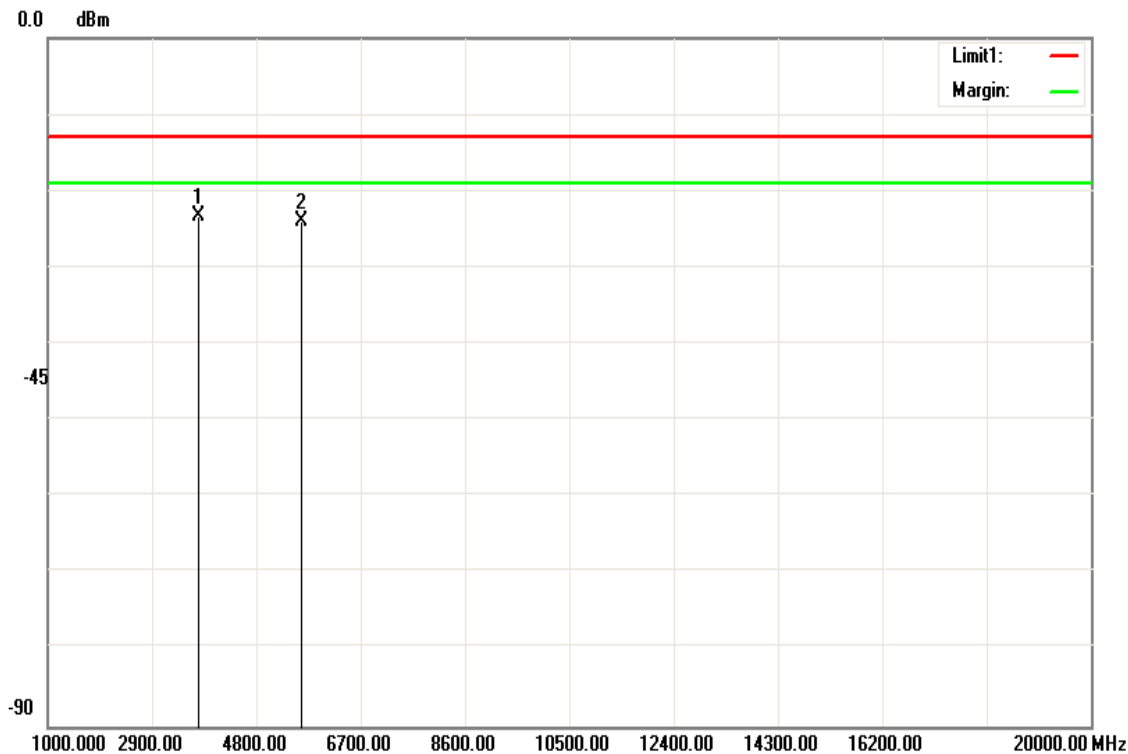
| Frequency (MHz) | S.G. (dBm) | Ant.Gain (dBi) | Emission level (dBm) | Limit (dBm) | Margin (dB) | Antenna Polarization (V/H) |
|-----------------|------------|----------------|----------------------|-------------|-------------|----------------------------|
| 3744.000 | -39.63 | 12.55 | -27.08 | -13.00 | -14.08 | V |
| 5613.000 | -36.77 | 12.85 | -23.92 | -13.00 | -10.92 | V |
| N/A | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Operation Mode: Tx / Mid CH
Temperature: 22.1°C
Humidity: 50% RH

Test Date: April 12, 2017
Tested by: Timmy Wang
Polarity: Hor.



| Frequency (MHz) | S.G. (dBm) | Ant.Gain (dBi) | Emission level (dBm) | Limit (dBm) | Margin (dB) | Antenna Polarization (V/H) |
|-----------------|------------|----------------|----------------------|-------------|-------------|----------------------------|
| 3744.000 | -35.93 | 12.55 | -23.38 | -13.00 | -10.38 | H |
| 5613.000 | -36.75 | 12.85 | -23.90 | -13.00 | -10.90 | H |
| N/A | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Operation Mode: Tx / High CH

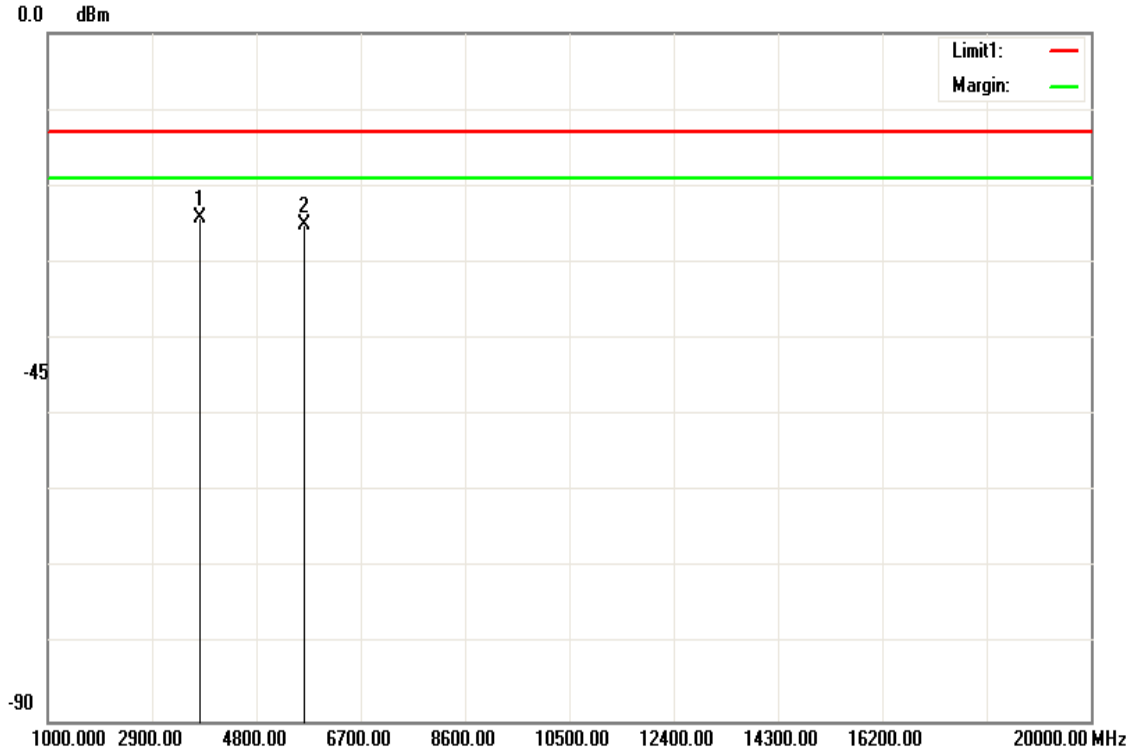
Test Date: April 12, 2017

Temperature: 22.1°C

Tested by: Timmy Wang

Humidity: 50% RH

Polarity: Ver.



| Frequency (MHz) | S.G. (dBm) | Ant.Gain (dBi) | Emission level (dBm) | Limit (dBm) | Margin (dB) | Antenna Polarization (V/H) |
|-----------------|------------|----------------|----------------------|-------------|-------------|----------------------------|
| 3786.000 | -36.79 | 12.56 | -24.23 | -13.00 | -11.23 | V |
| 5676.000 | -38.01 | 12.83 | -25.18 | -13.00 | -12.18 | V |
| N/A | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Operation Mode: Tx / High CH

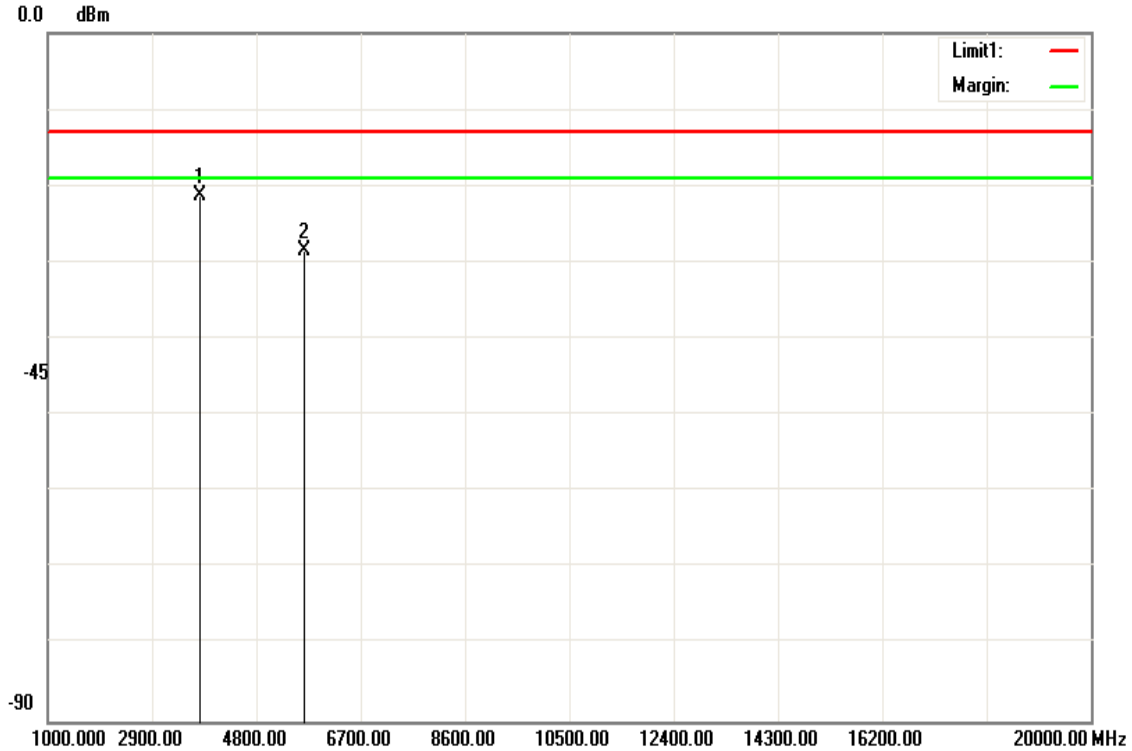
Test Date: April 12, 2017

Temperature: 22.1°C

Tested by: Timmy Wang

Humidity: 50% RH

Polarity: Hor.



| Frequency (MHz) | S.G. (dBm) | Ant.Gain (dBi) | Emission level (dBm) | Limit (dBm) | Margin (dB) | Antenna Polarization (V/H) |
|-----------------|------------|----------------|----------------------|-------------|-------------|----------------------------|
| 3786.000 | -33.75 | 12.56 | -21.19 | -13.00 | -8.19 | H |
| 5676.000 | -41.19 | 12.83 | -28.36 | -13.00 | -15.36 | H |
| N/A | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Remark:

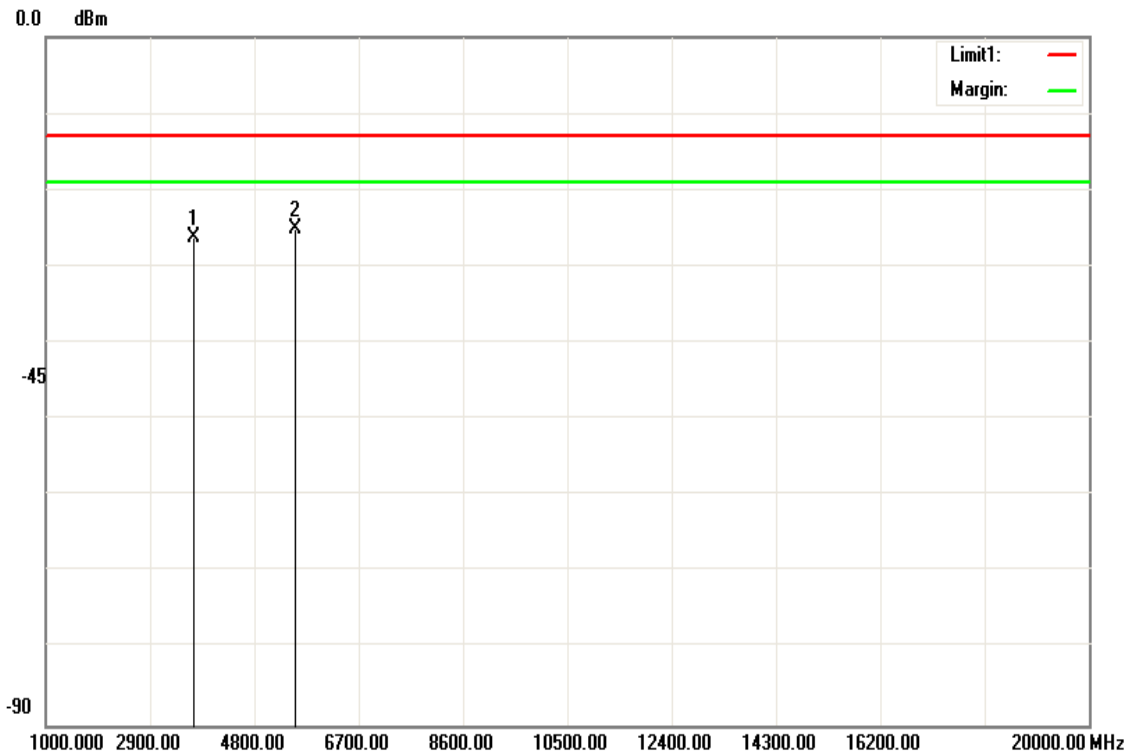
1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

LTE Band 2 / BW: 20MHz / 16QAM / RB =1, RB Offset = 0

Operation Mode: Tx / Low CH **Test Date:** April 12, 2017

Temperature: 22.1°C **Tested by:** Timmy Wang

Humidity: 50% RH **Polarity:** Ver.



| Frequency (MHz) | S.G. (dBm) | Ant.Gain (dBi) | Emission level (dBm) | Limit (dBm) | Margin (dB) | Antenna Polarization (V/H) |
|-----------------|------------|----------------|----------------------|-------------|-------------|----------------------------|
| 3702.000 | -38.77 | 12.54 | -26.23 | -13.00 | -13.23 | V |
| 5557.000 | -37.9 | 12.88 | -25.02 | -13.00 | -12.02 | V |
| N/A | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Operation Mode: Tx / Low CH

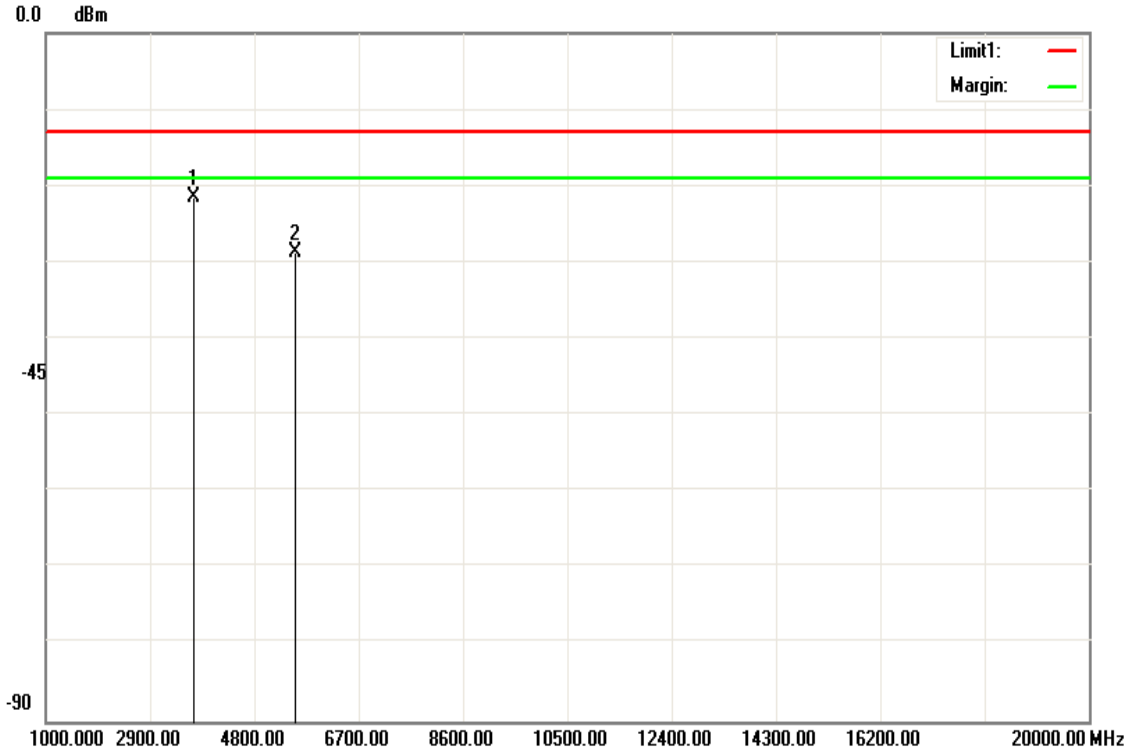
Test Date: April 12, 2017

Temperature: 22.1°C

Tested by: Timmy Wang

Humidity: 50% RH

Polarity: Hor.



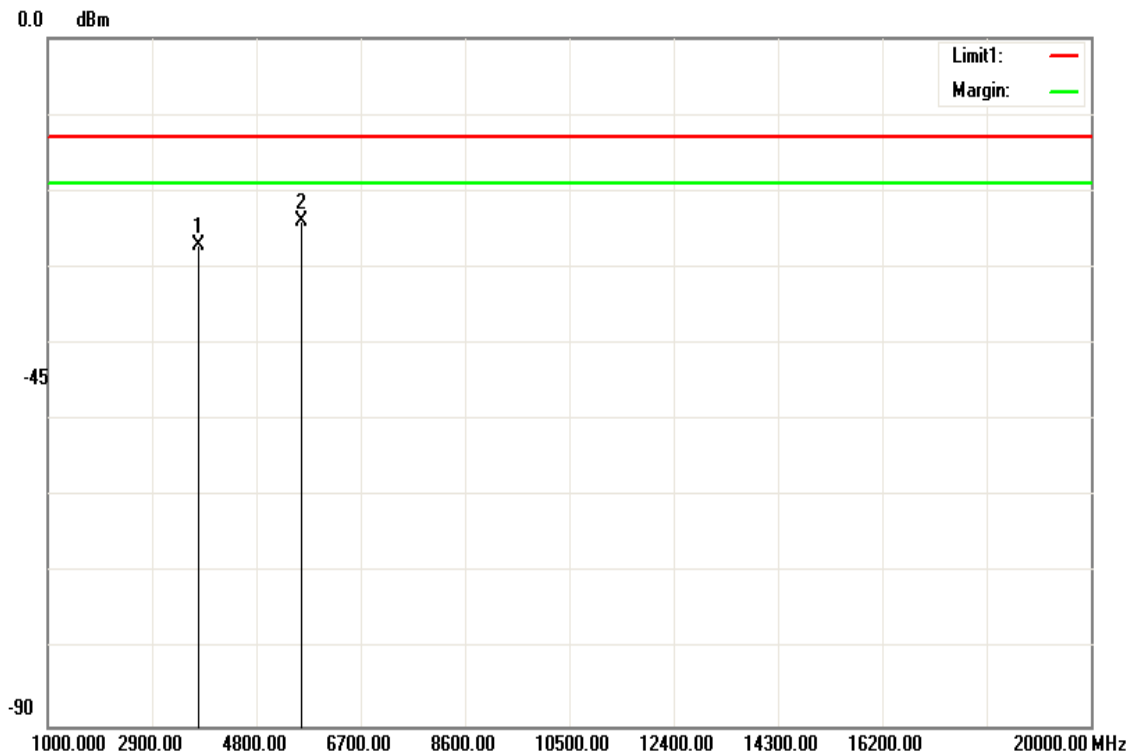
| Frequency (MHz) | S.G. (dBm) | Ant.Gain (dBi) | Emission level (dBm) | Limit (dBm) | Margin (dB) | Antenna Polarization (V/H) |
|-----------------|------------|----------------|----------------------|-------------|-------------|----------------------------|
| 3702.000 | -34.08 | 12.54 | -21.54 | -13.00 | -8.54 | H |
| 5557.000 | -41.52 | 12.88 | -28.64 | -13.00 | -15.64 | H |
| N/A | | | | | | |
| | | | | | | |
| | | | | | | |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Operation Mode: Tx / Mid CH
Temperature: 22.1°C
Humidity: 50% RH

Test Date: April 12, 2017
Tested by: Timmy Wang
Polarity: Ver.



| Frequency (MHz) | S.G. (dBm) | Ant.Gain (dBi) | Emission level (dBm) | Limit (dBm) | Margin (dB) | Antenna Polarization (V/H) |
|-----------------|------------|----------------|----------------------|-------------|-------------|----------------------------|
| 3744.000 | -39.63 | 12.55 | -27.08 | -13.00 | -14.08 | V |
| 5613.000 | -36.77 | 12.85 | -23.92 | -13.00 | -10.92 | V |
| N/A | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Operation Mode: Tx / Mid CH

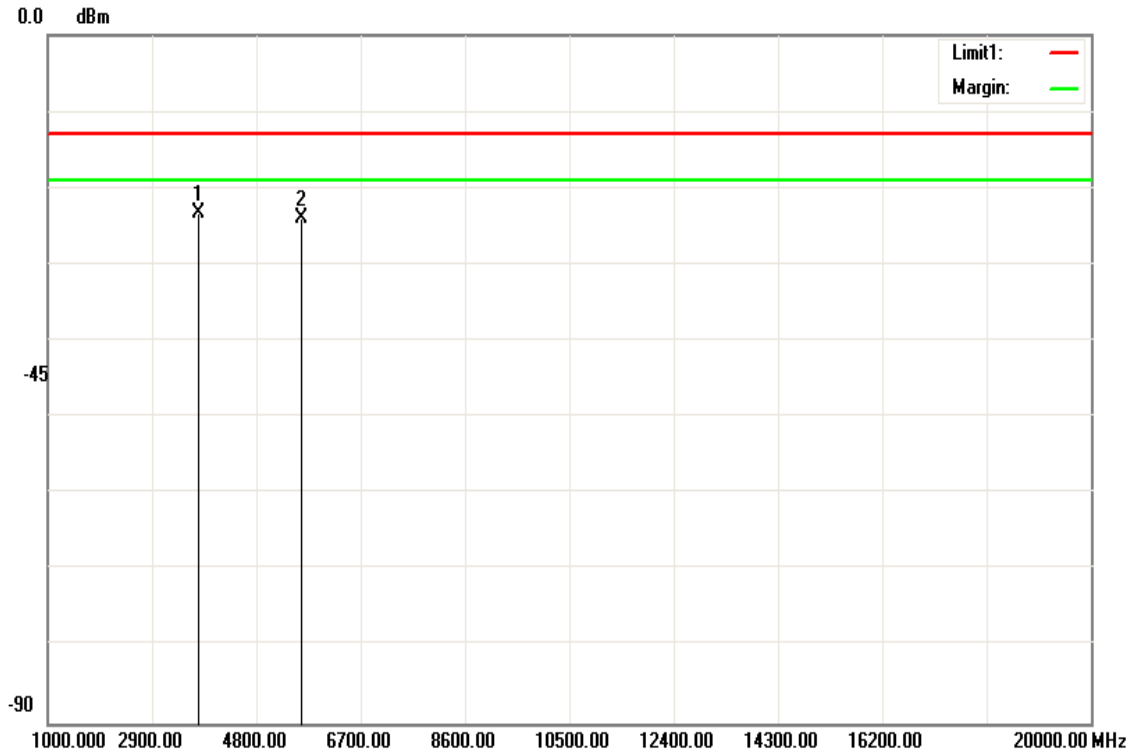
Test Date: April 12, 2017

Temperature: 22.1°C

Tested by: Timmy Wang

Humidity: 50% RH

Polarity: Hor.



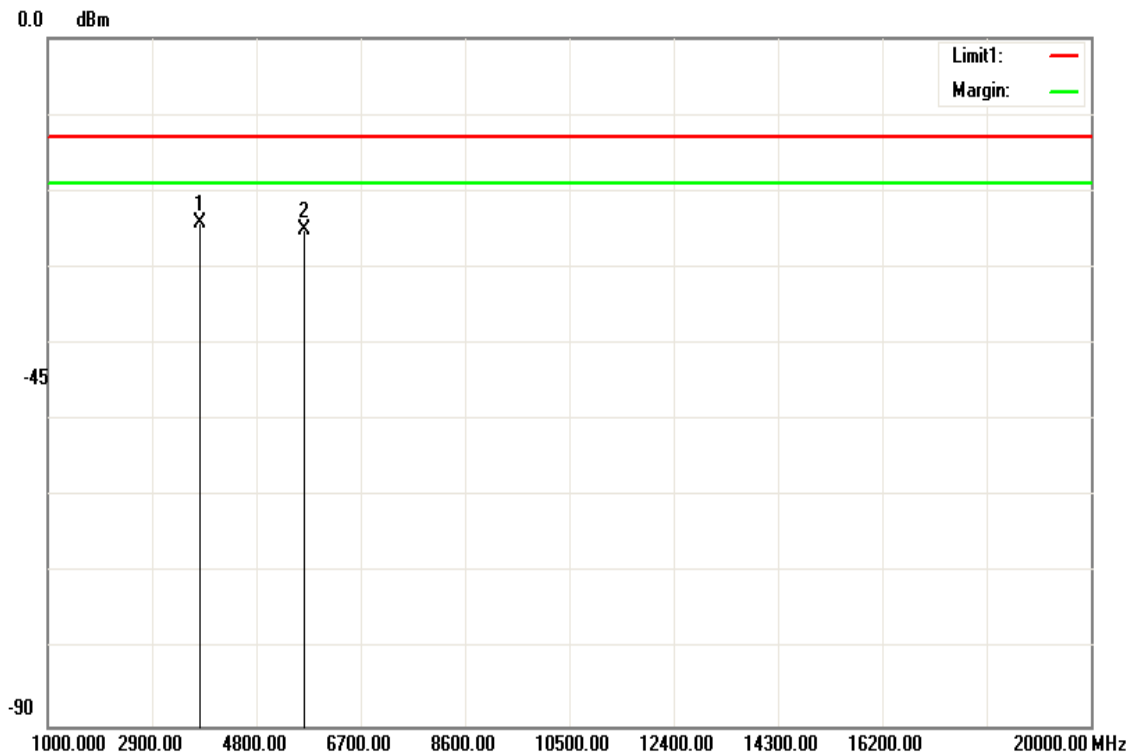
| Frequency (MHz) | S.G. (dBm) | Ant.Gain (dBi) | Emission level (dBm) | Limit (dBm) | Margin (dB) | Antenna Polarization (V/H) |
|-----------------|------------|----------------|----------------------|-------------|-------------|----------------------------|
| 3744.000 | -35.93 | 12.55 | -23.38 | -13.00 | -10.38 | H |
| 5613.000 | -36.75 | 12.85 | -23.90 | -13.00 | -10.90 | H |
| N/A | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Operation Mode: Tx / High CH
Temperature: 22.1°C
Humidity: 50% RH

Test Date: April 12, 2017
Tested by: Timmy Wang
Polarity: Ver.

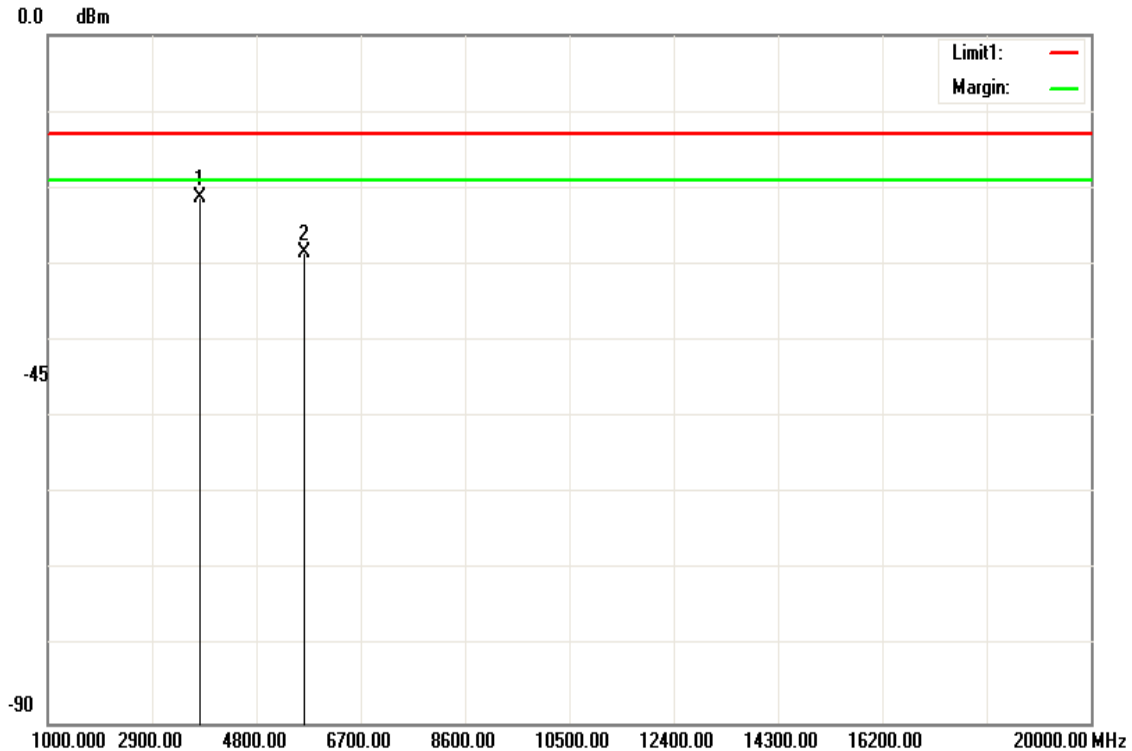


| Frequency (MHz) | S.G. (dBm) | Ant.Gain (dBi) | Emission level (dBm) | Limit (dBm) | Margin (dB) | Antenna Polarization (V/H) |
|-----------------|------------|----------------|----------------------|-------------|-------------|----------------------------|
| 3786.000 | -36.79 | 12.56 | -24.23 | -13.00 | -11.23 | V |
| 5676.000 | -38.01 | 12.83 | -25.18 | -13.00 | -12.18 | V |
| N/A | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Operation Mode: Tx / High CH **Test Date:** April 12, 2017
Temperature: 22.1°C **Tested by:** Timmy Wang
Humidity: 50% RH **Polarity:** Hor.



| Frequency (MHz) | S.G. (dBm) | Ant.Gain (dBi) | Emission level (dBm) | Limit (dBm) | Margin (dB) | Antenna Polarization (V/H) |
|-----------------|------------|----------------|----------------------|-------------|-------------|----------------------------|
| 3786.000 | -33.75 | 12.56 | -21.19 | -13.00 | -8.19 | H |
| 5676.000 | -41.19 | 12.83 | -28.36 | -13.00 | -15.36 | H |
| N/A | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.