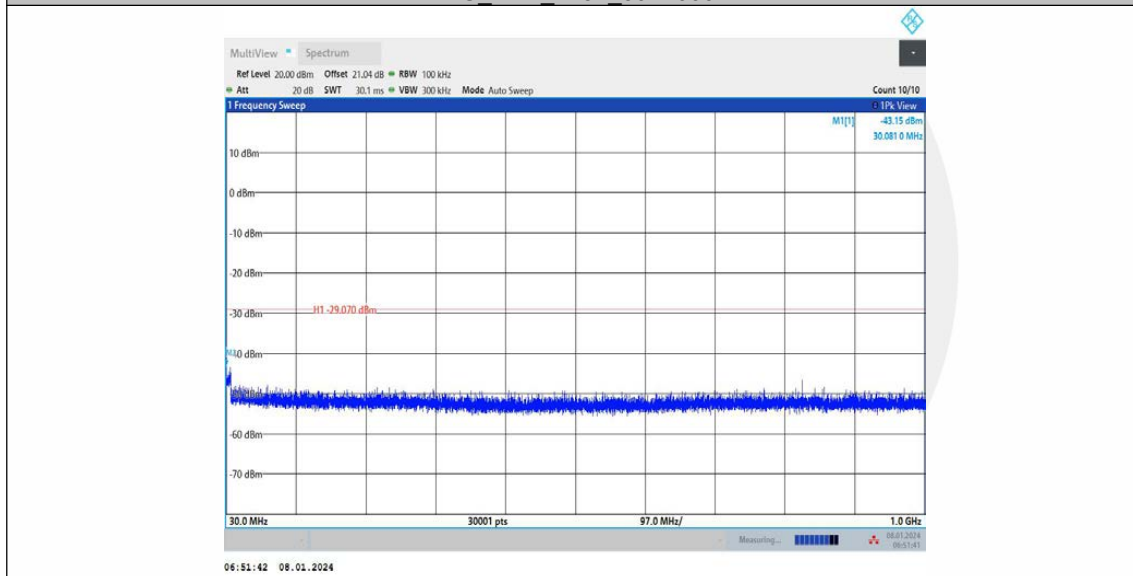
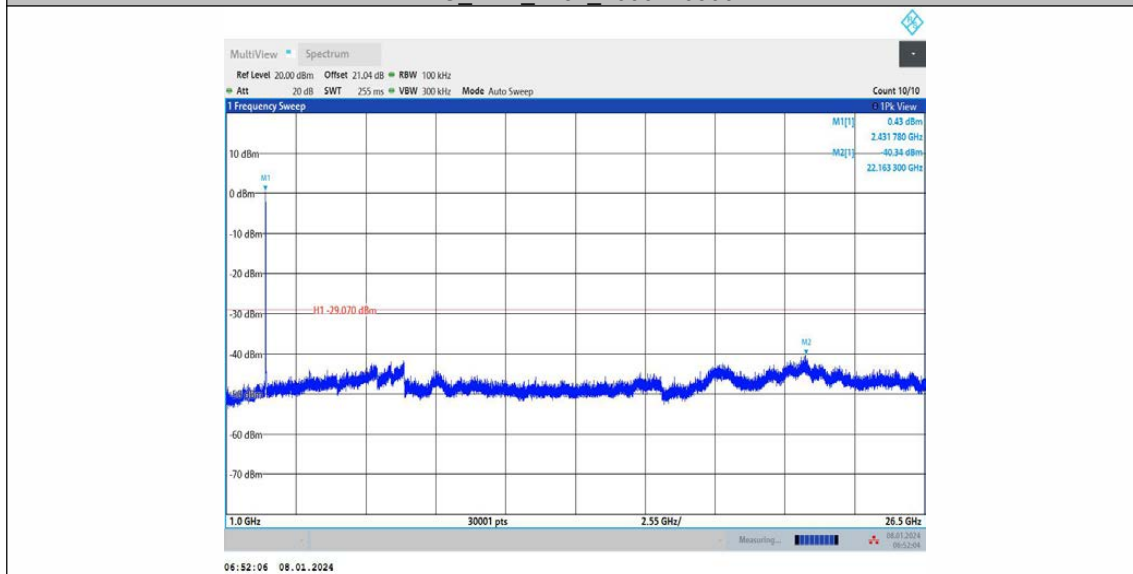


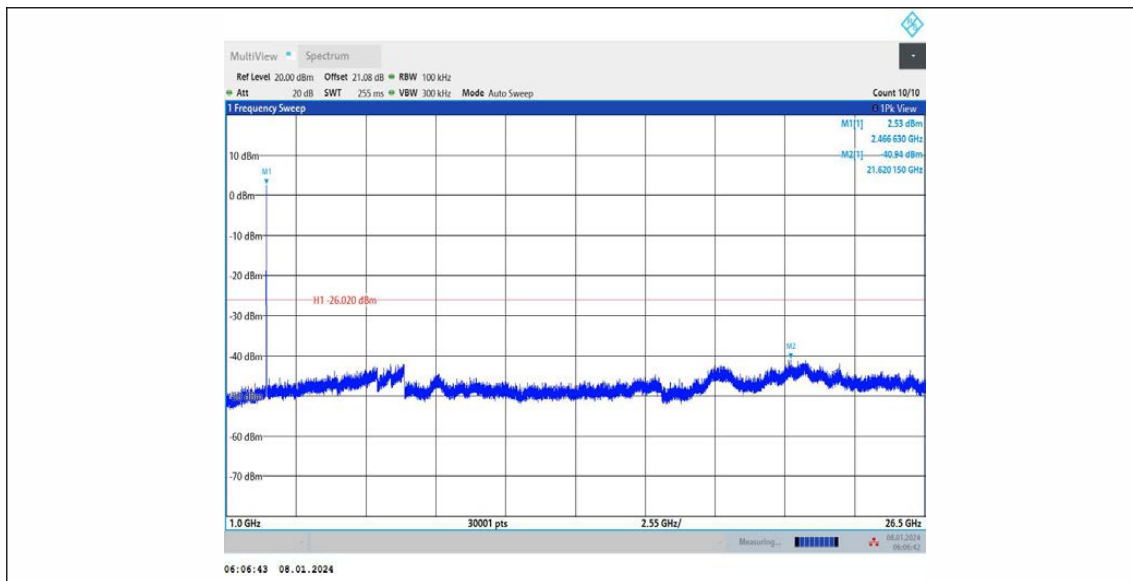
11G_Ant2_2437_30~1000



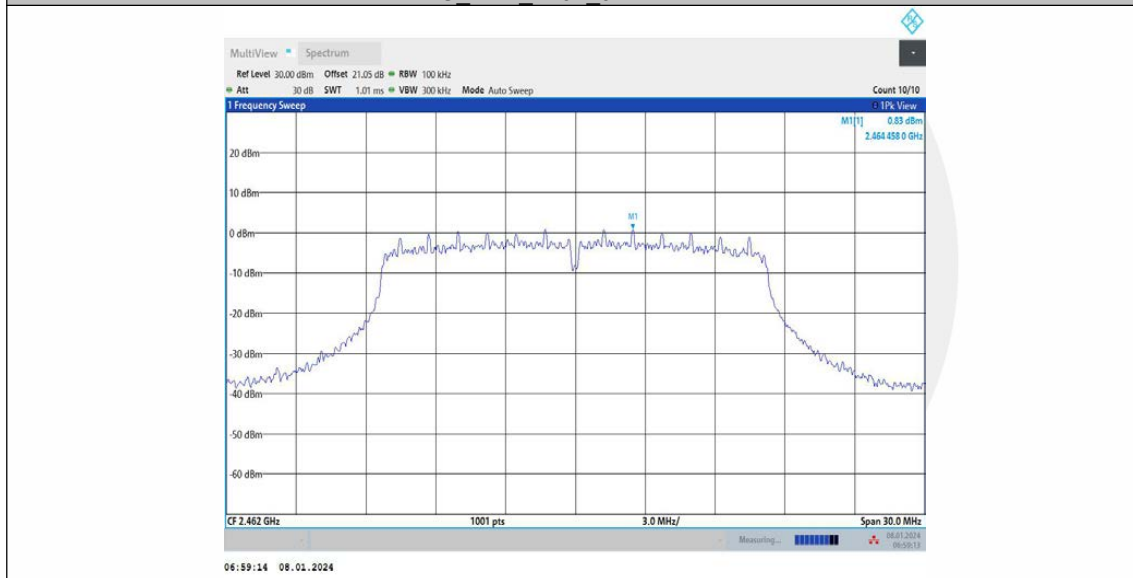
11G_Ant2_2437_1000~26500



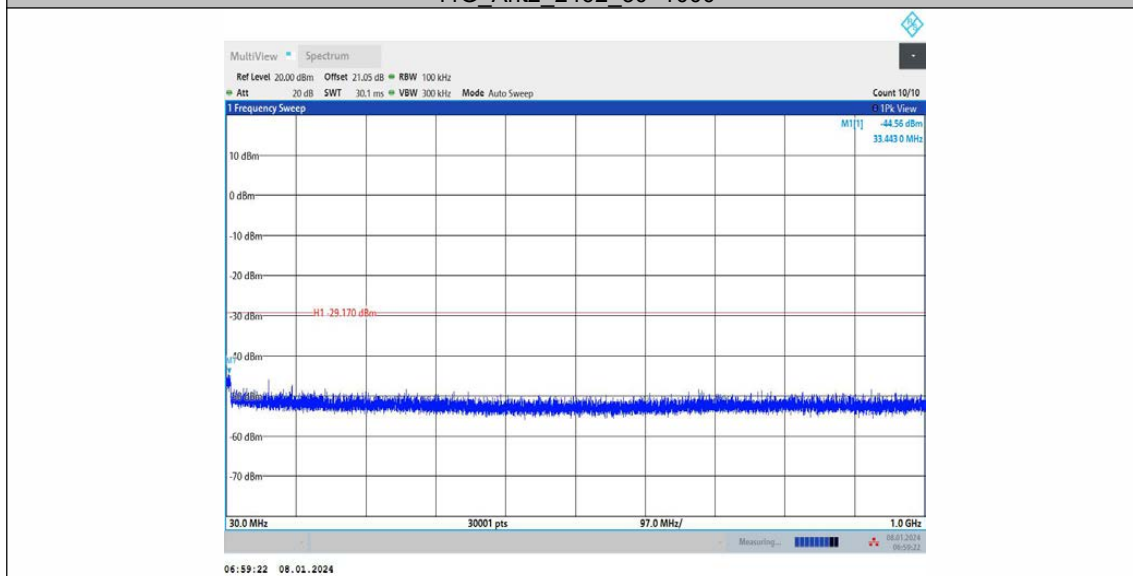




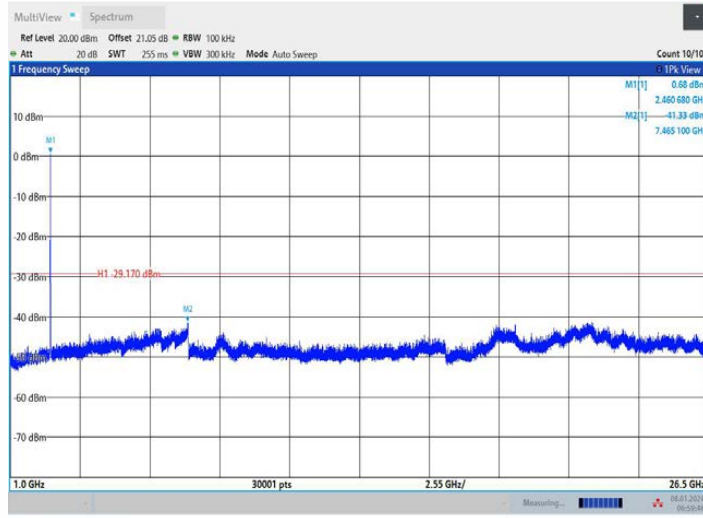
11G_Ant2_2462_0~Reference



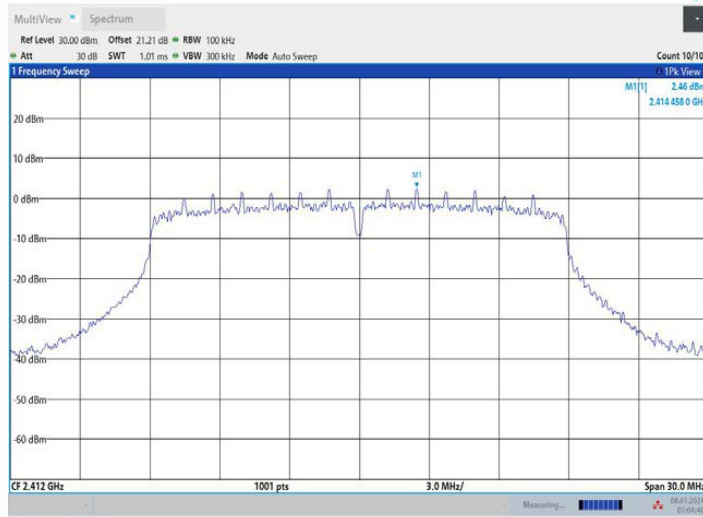
11G_Ant2_2462_30~1000



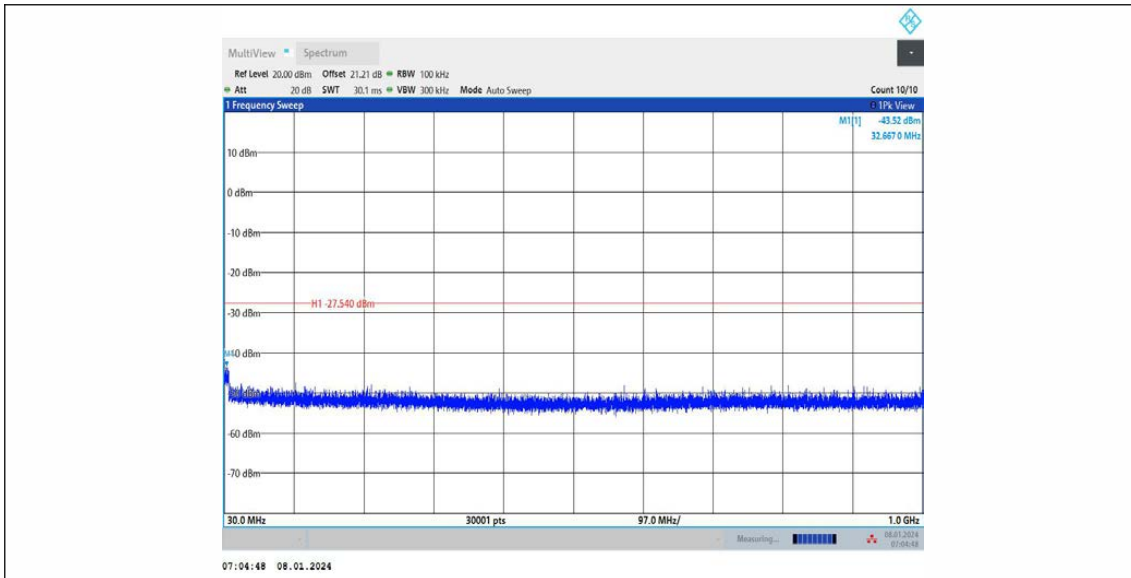
11G_Ant2_2462_1000~26500



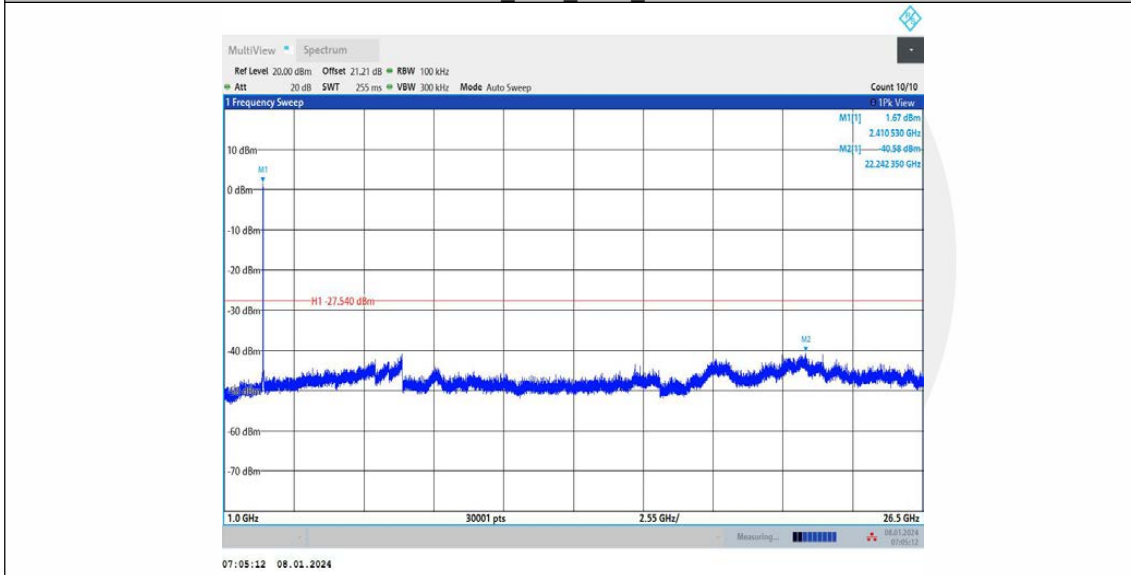
11N20MIMO_Ant1_2412_0~Reference



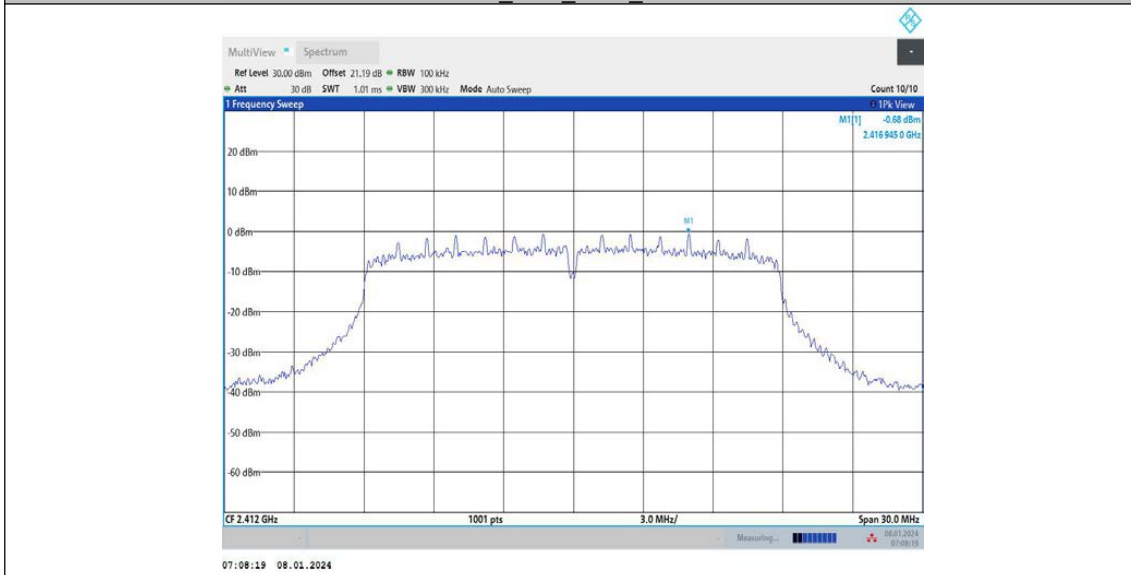
11N20MIMO_Ant1_2412_30~1000



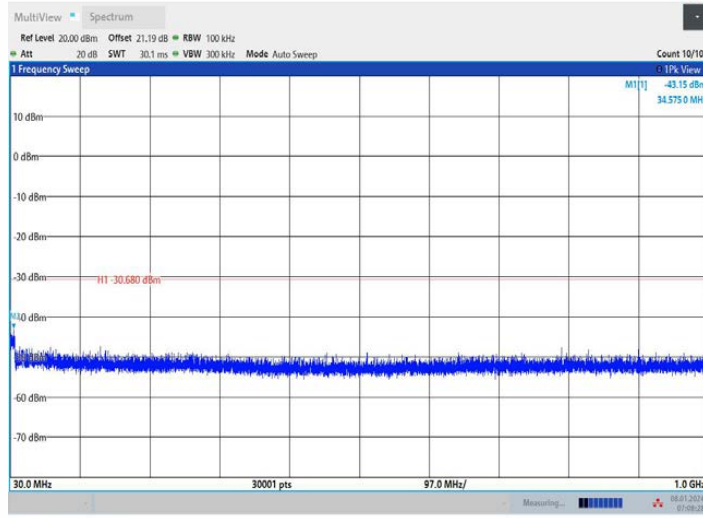
11N20MIMO_Ant1_2412_1000~26500



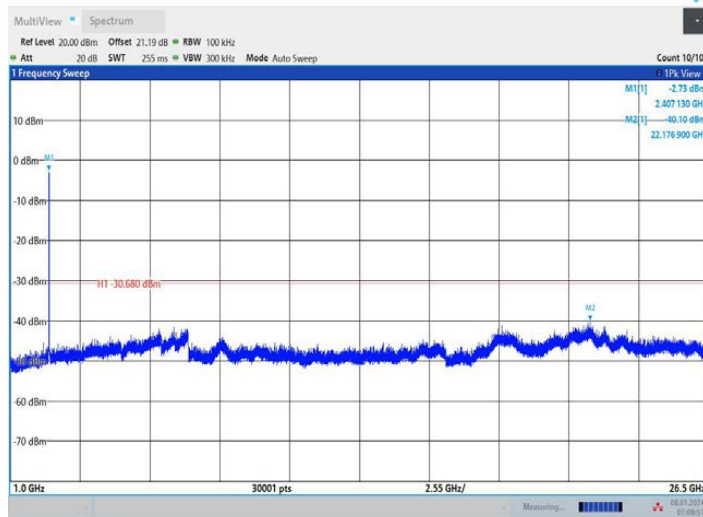
11N20MIMO_Ant2_2412_0~Reference



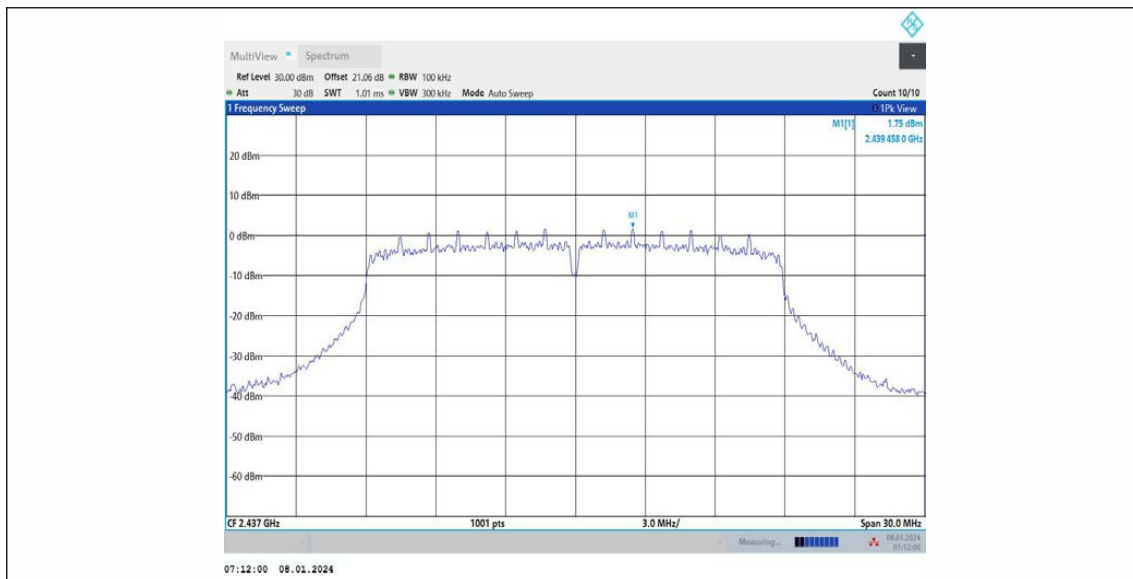
11N20MIMO_Ant2_2412_30~1000



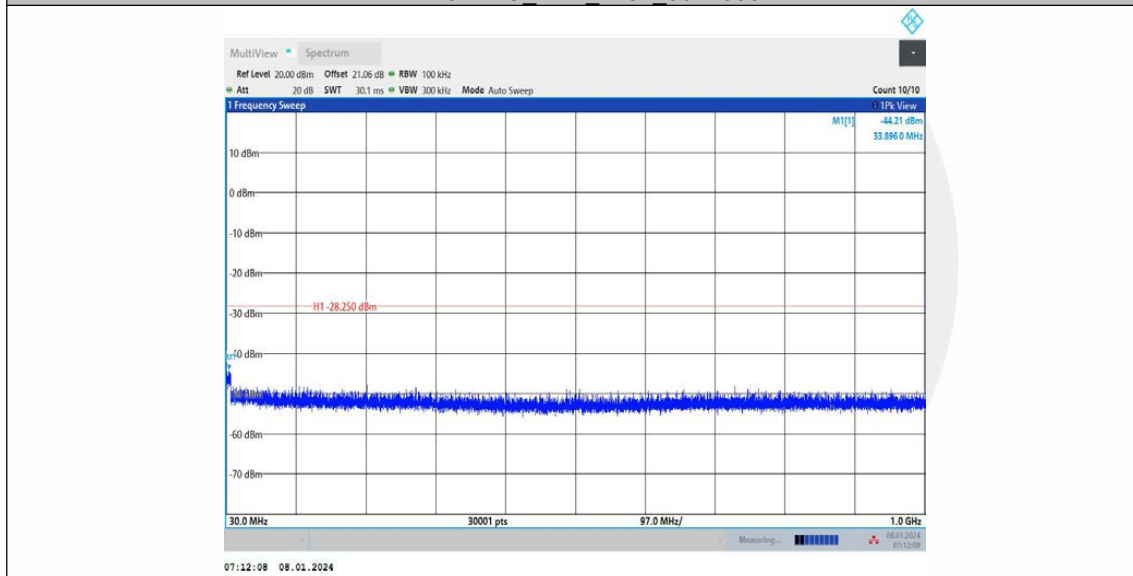
11N20MIMO_Ant2_2412_1000~26500



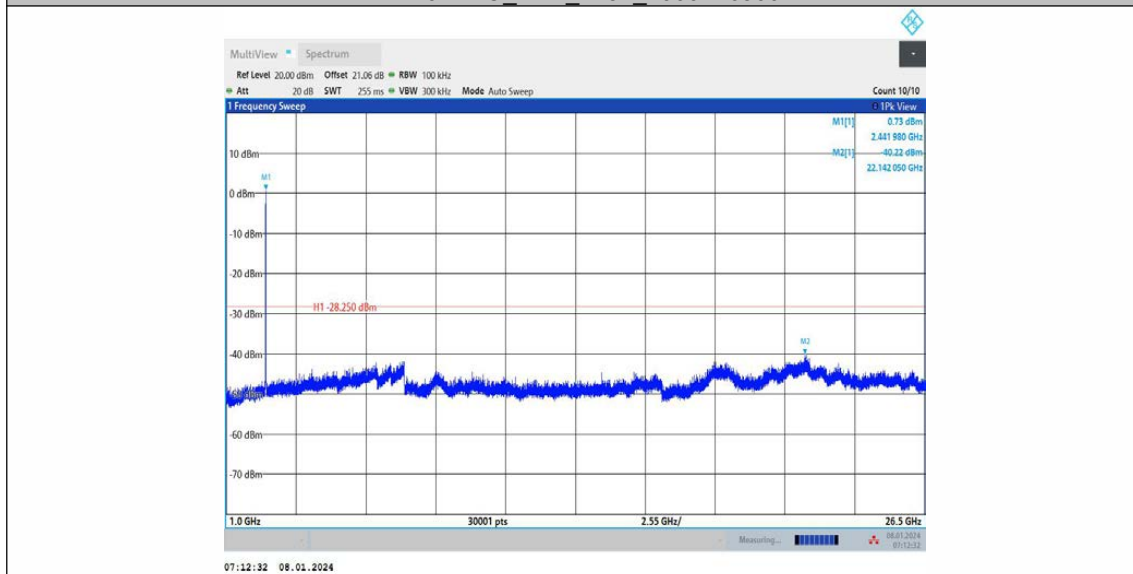
11N20MIMO_Ant1_2437_0~Reference

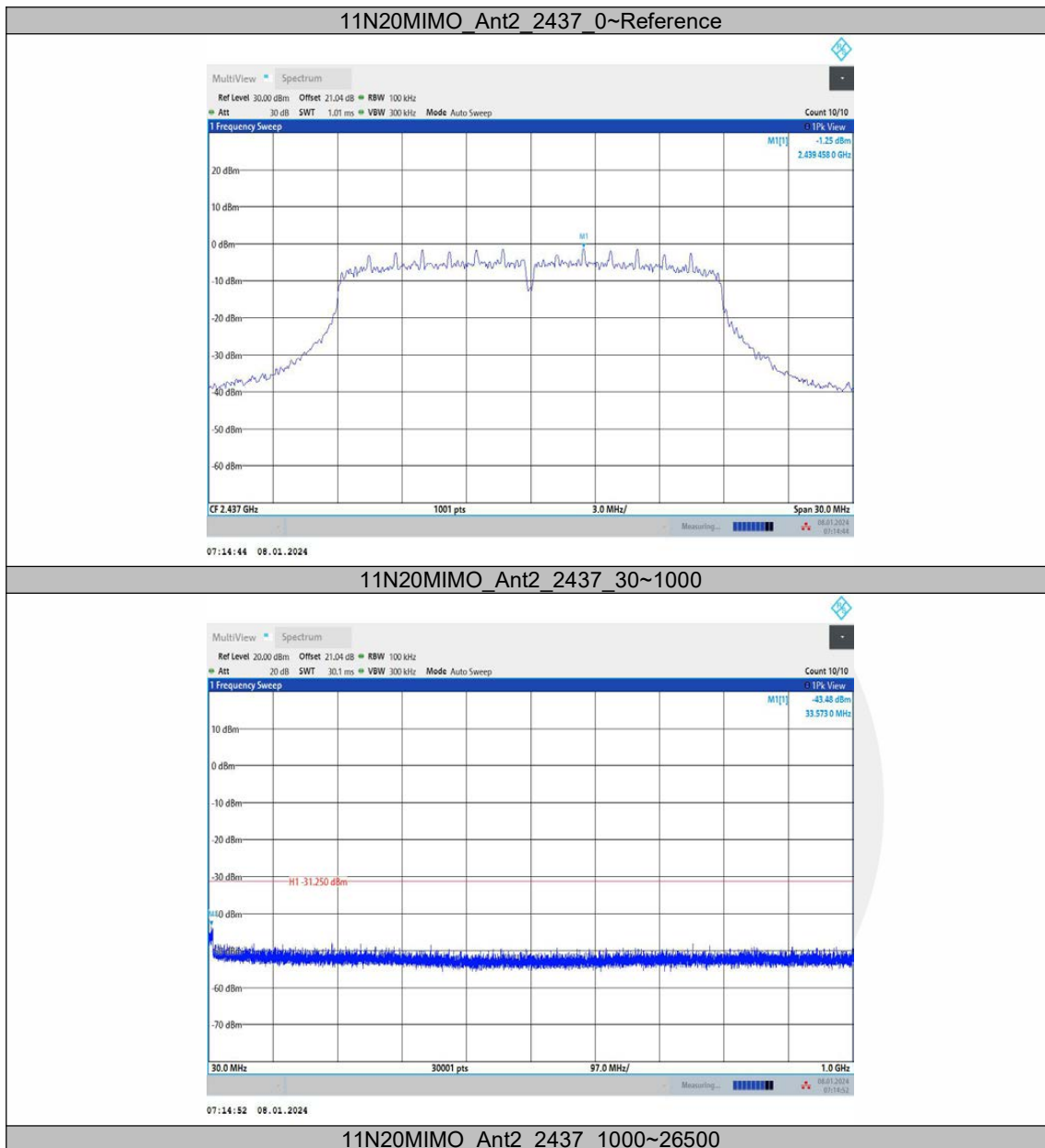


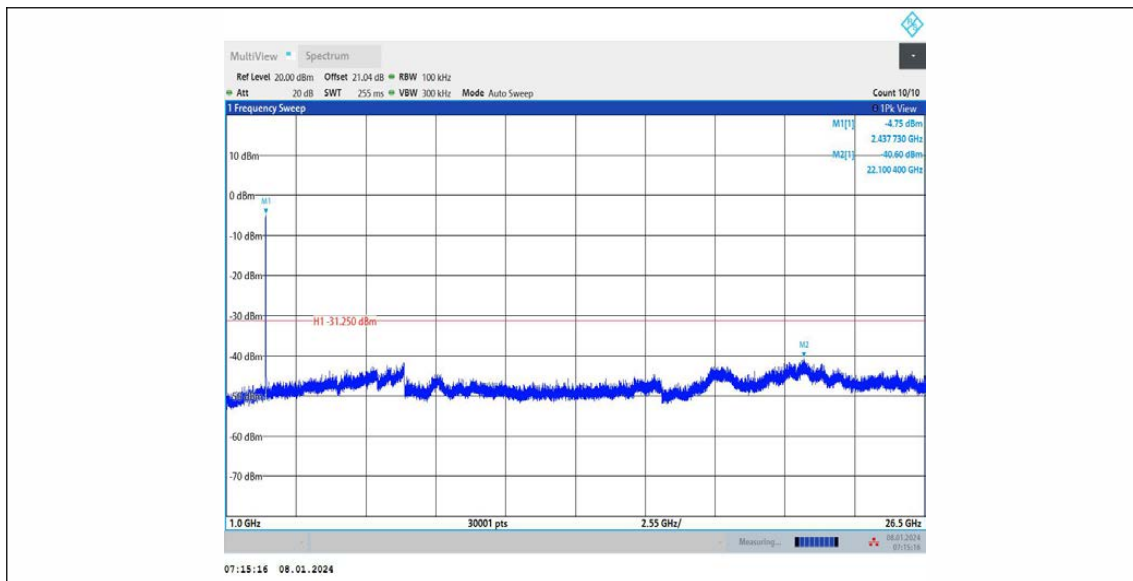
11N20MIMO_Ant1_2437_30~1000



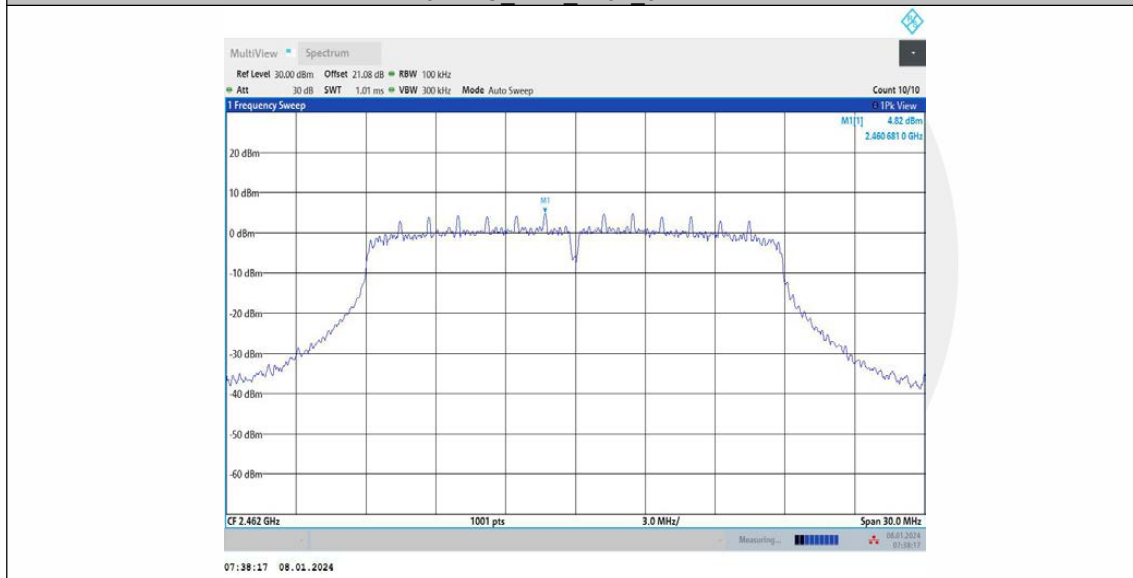
11N20MIMO_Ant1_2437_1000~26500



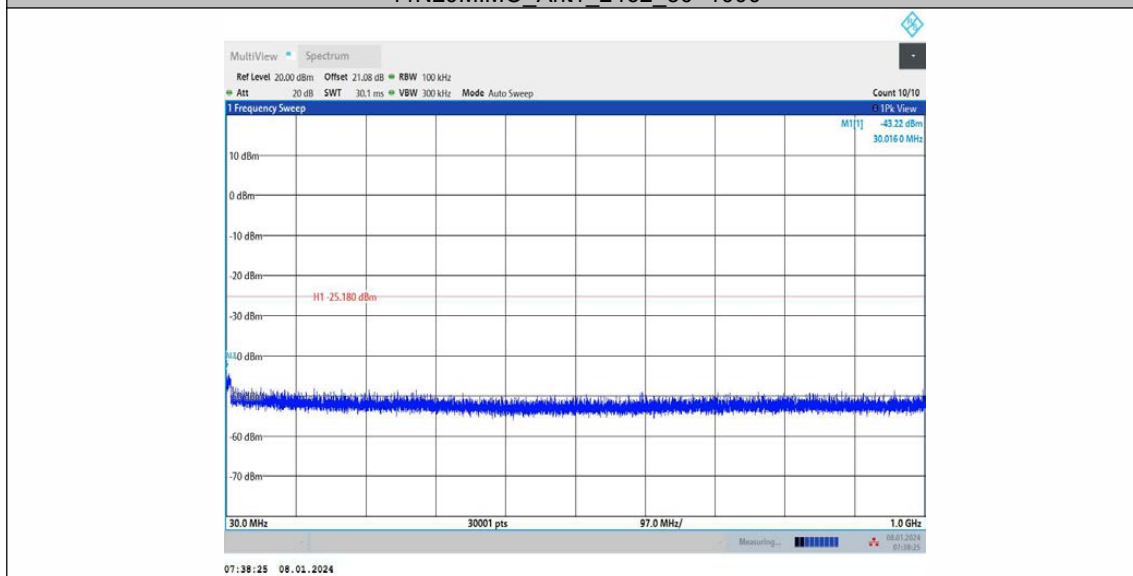




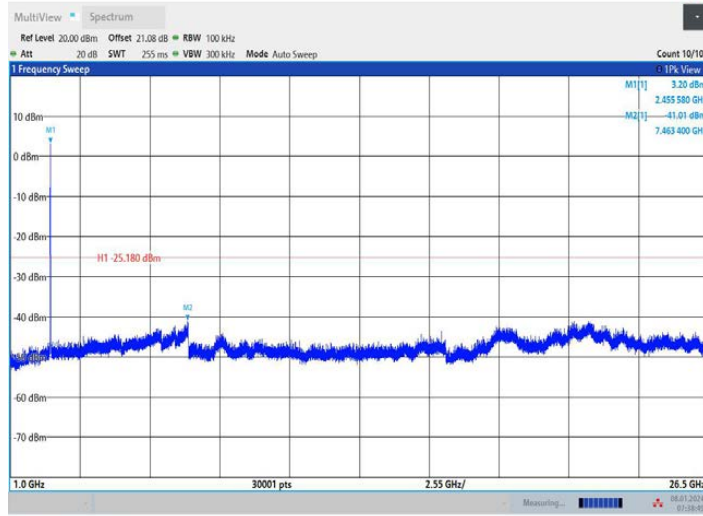
11N20MIMO_Ant1_2462_0~Reference



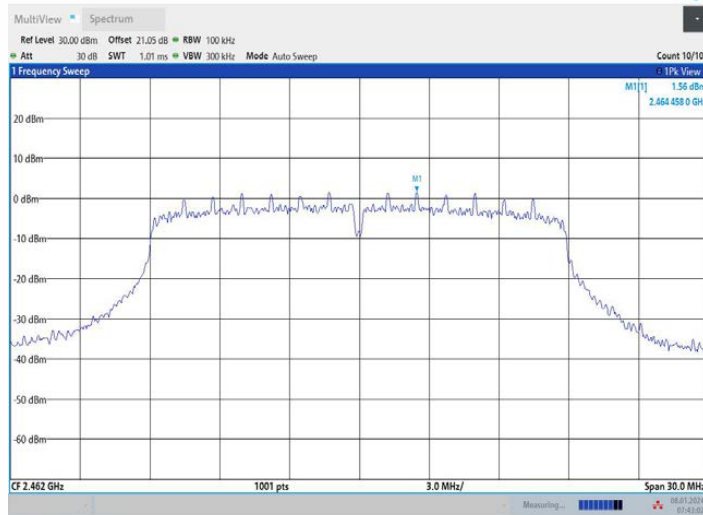
11N20MIMO_Ant1_2462_30~1000



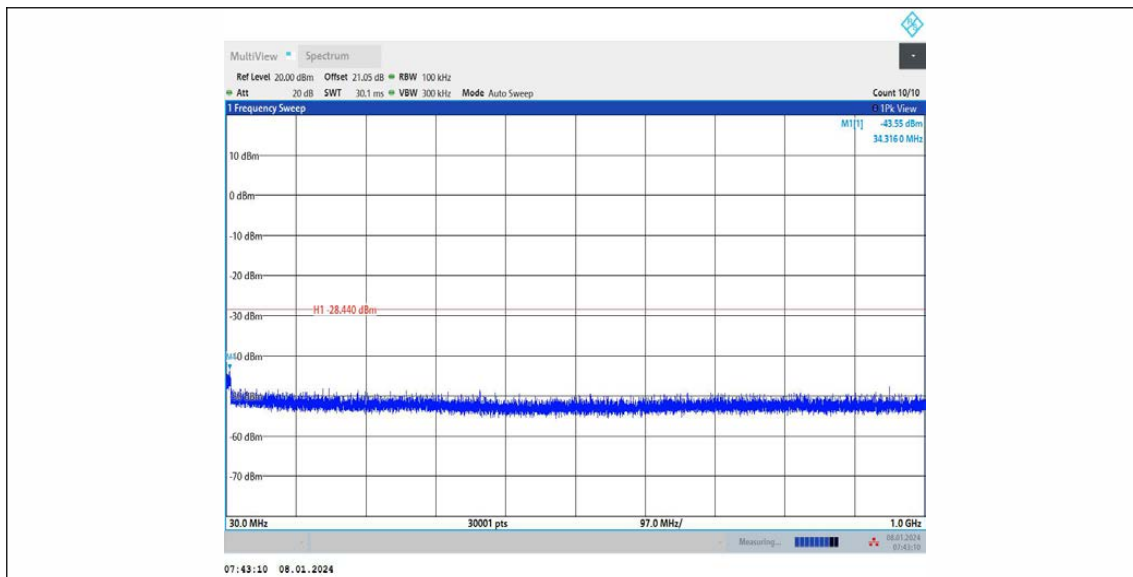
11N20MIMO_Ant1_2462_1000~26500



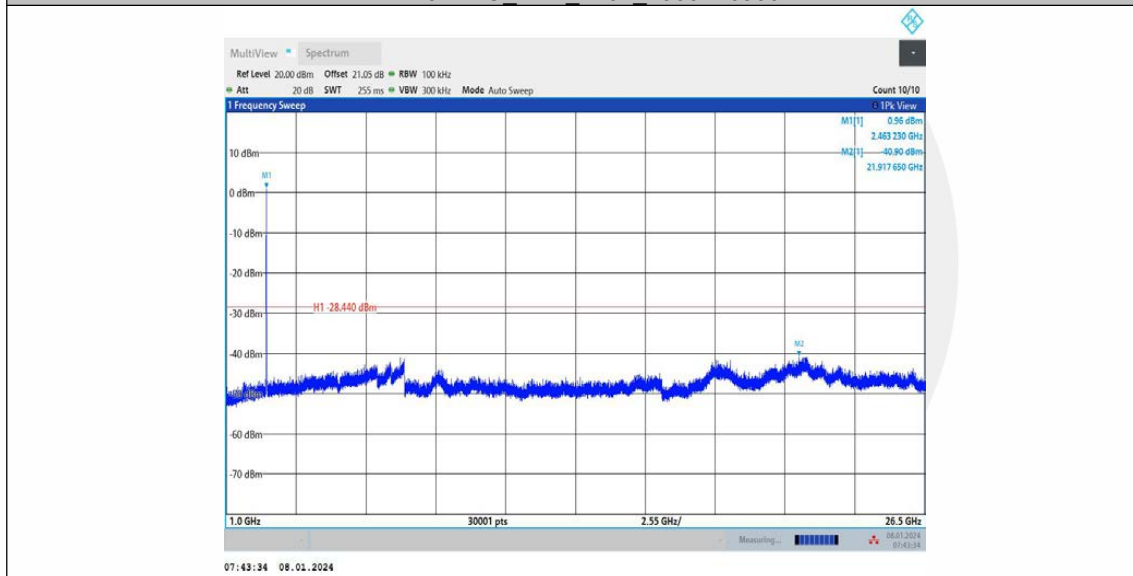
11N20MIMO_Ant2_2462_0~Reference



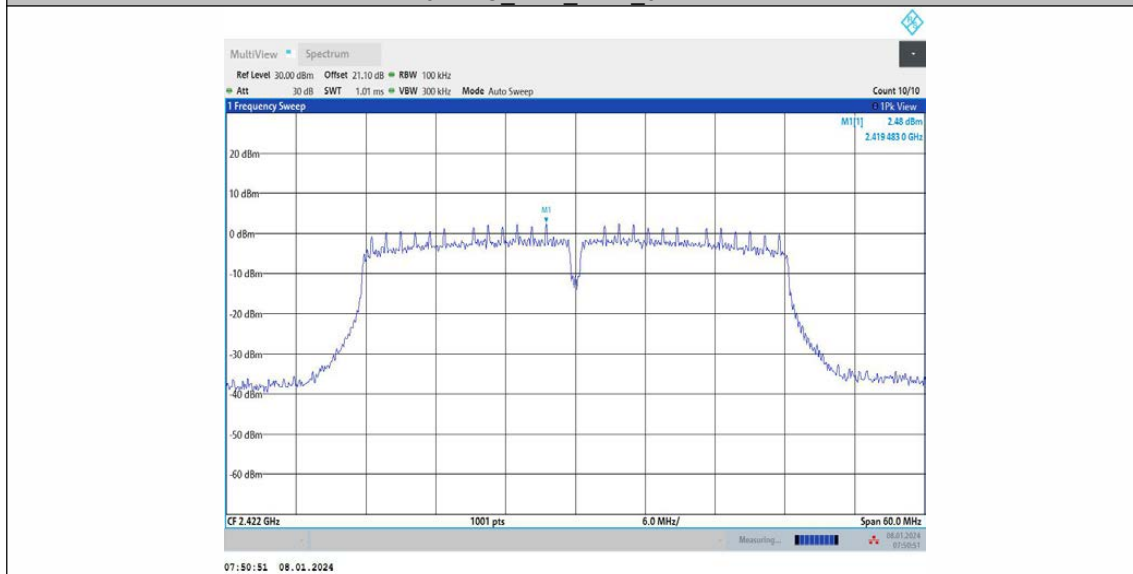
11N20MIMO_Ant2_2462_30~1000



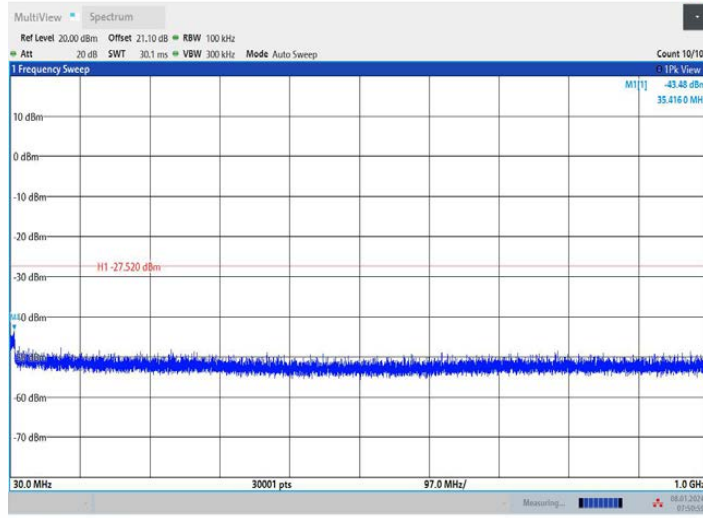
11N20MIMO_Ant2_2462_1000~26500



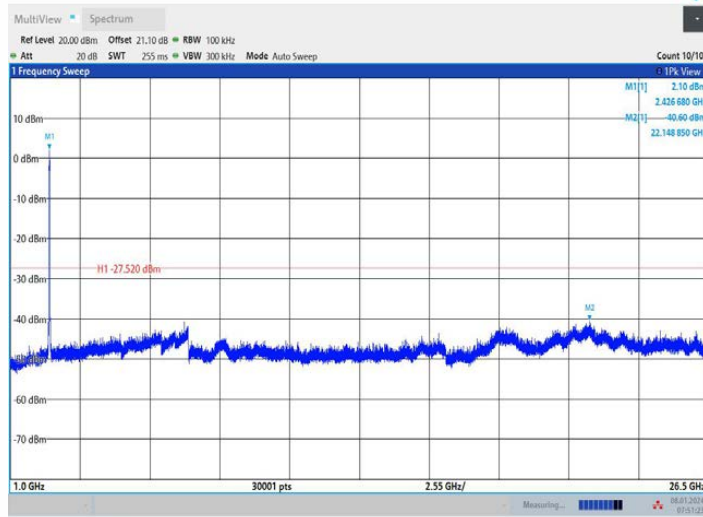
11N40MIMO_Ant1_2422_0~Reference



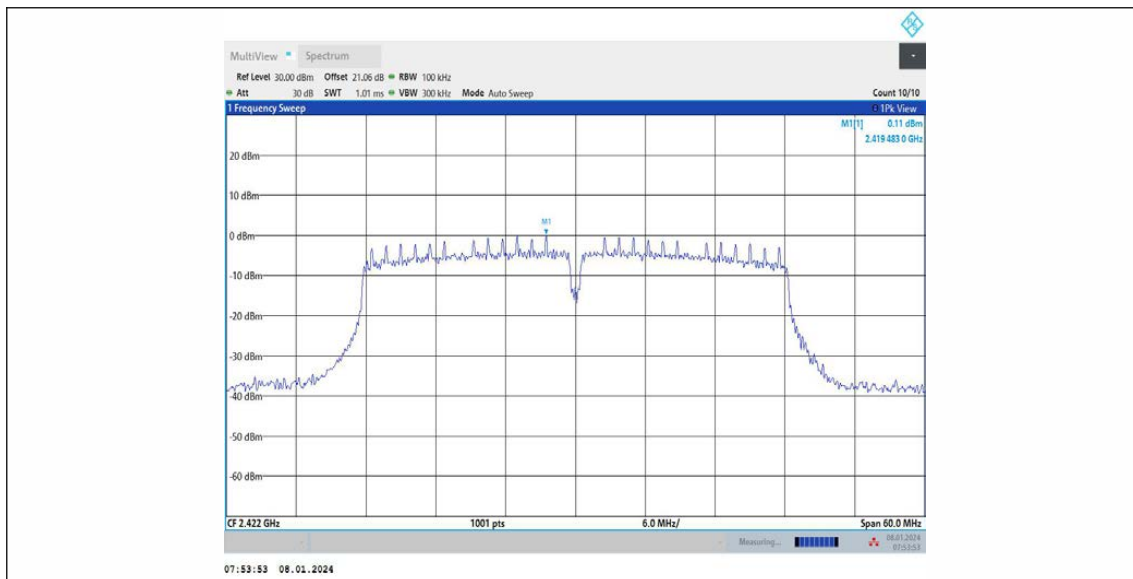
11N40MIMO_Ant1_2422_30~1000



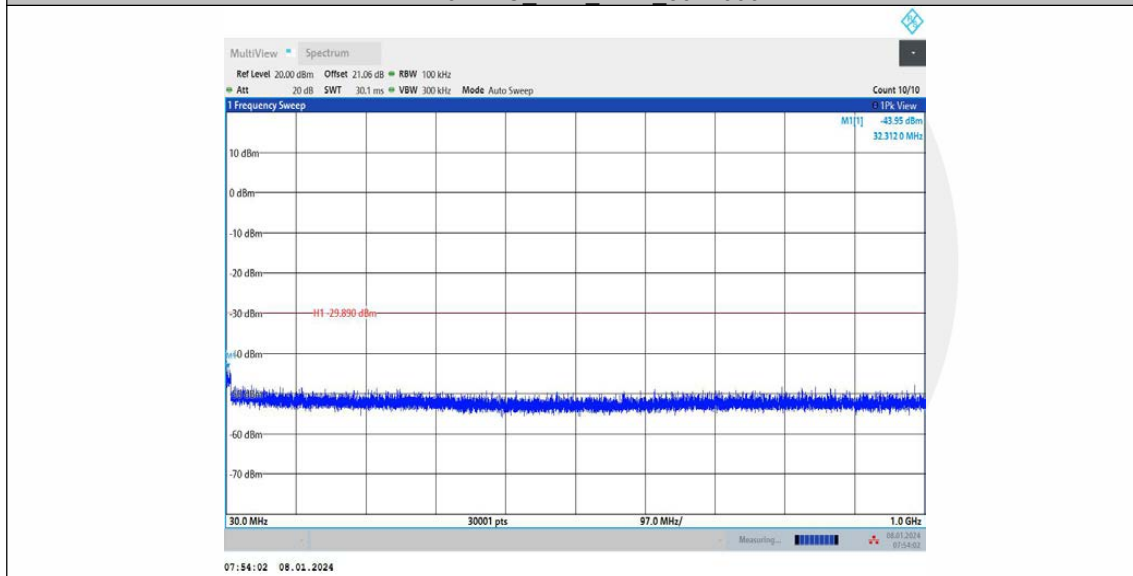
11N40MIMO_Ant1_2422_1000~26500



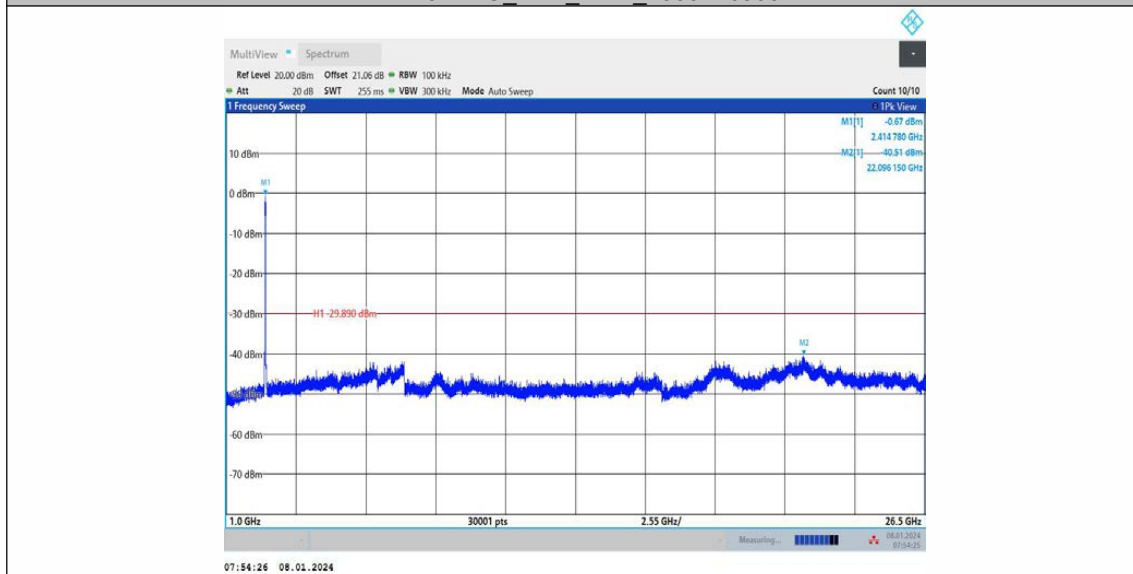
11N40MIMO_Ant2_2422_0~Reference

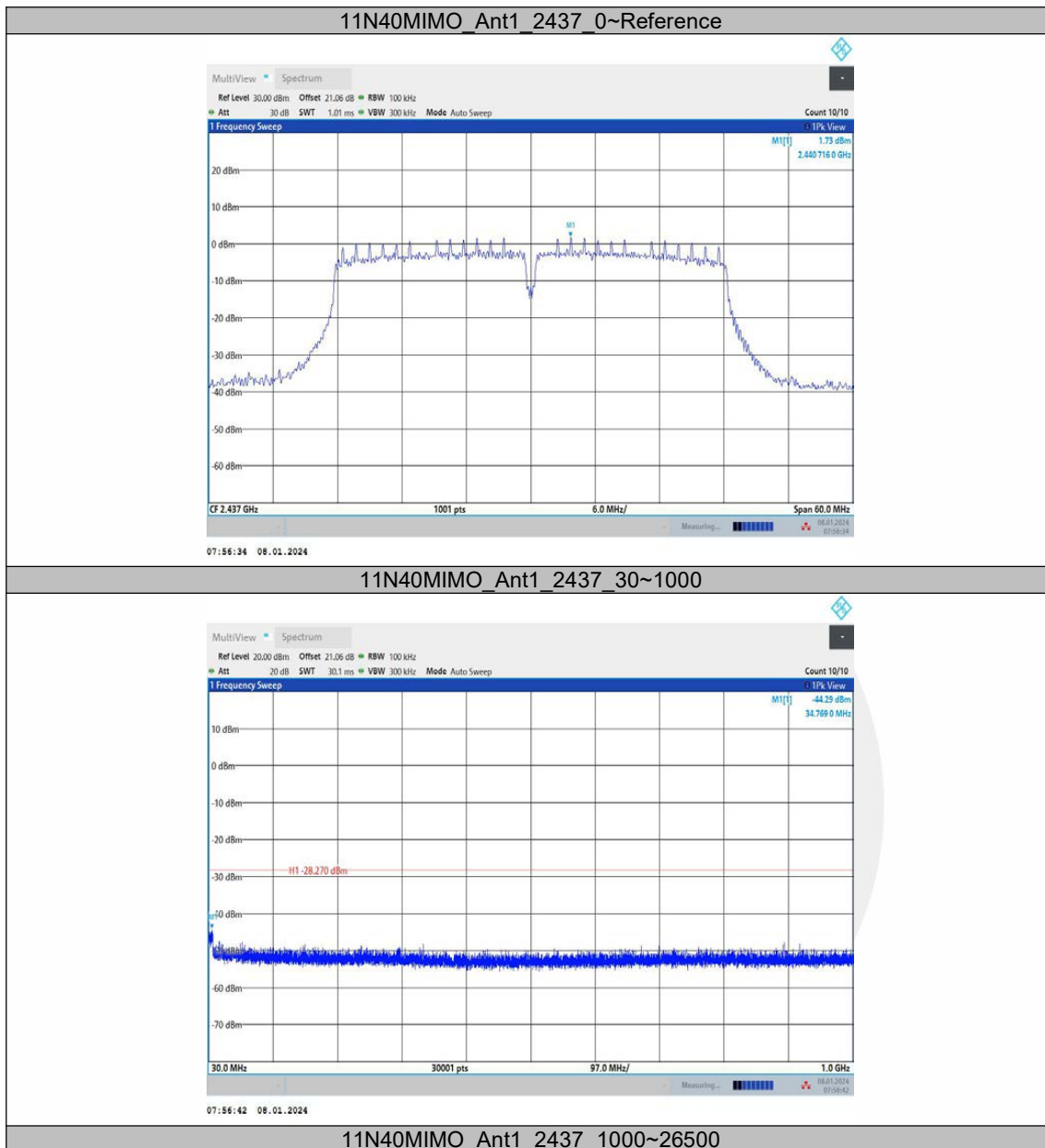


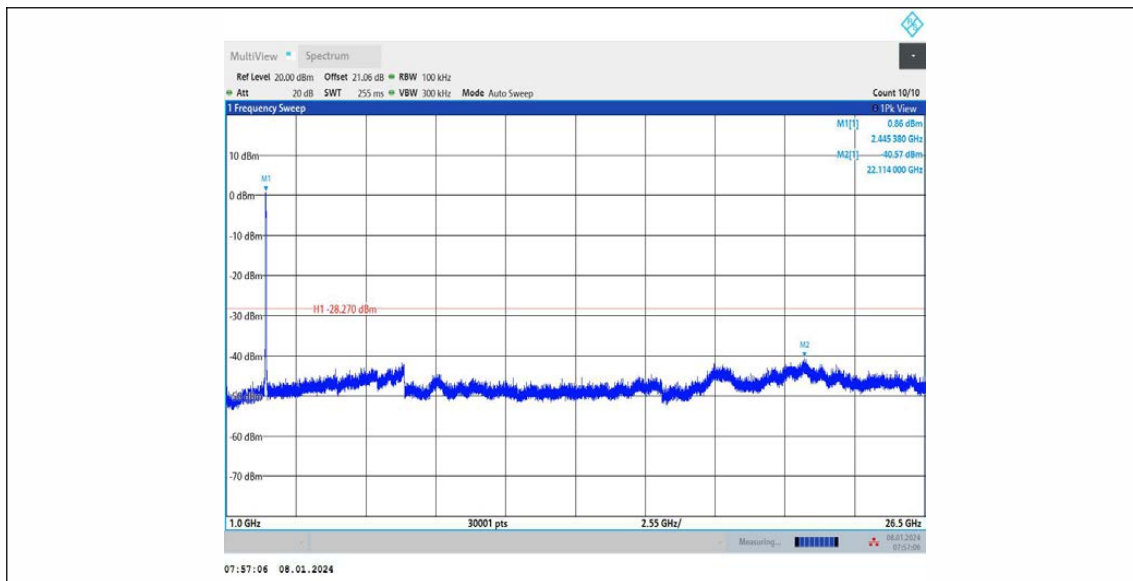
11N40MIMO_Ant2_2422_30~1000



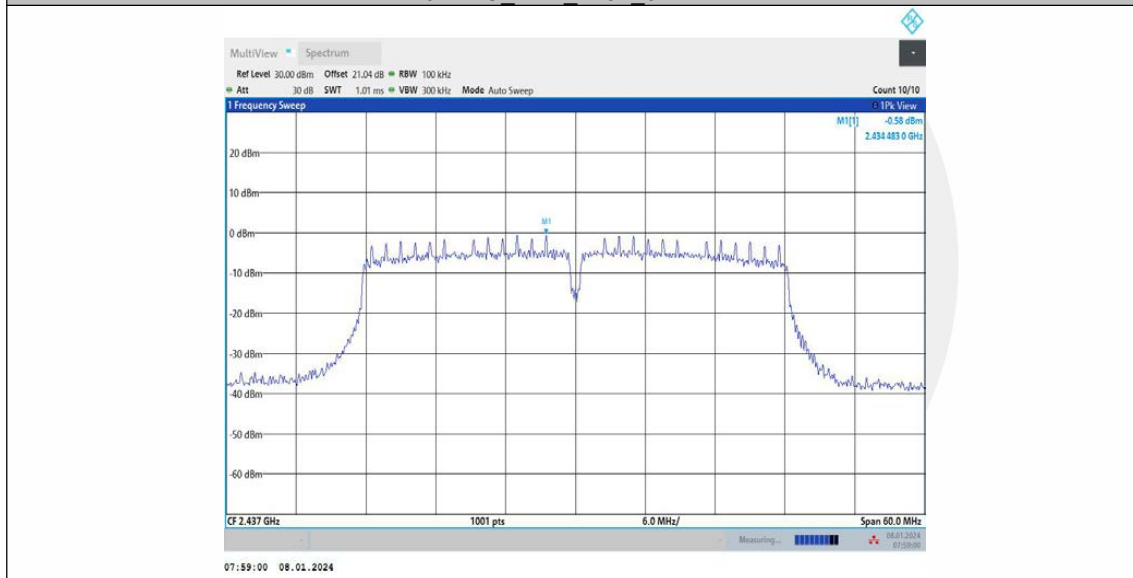
11N40MIMO_Ant2_2422_1000~26500



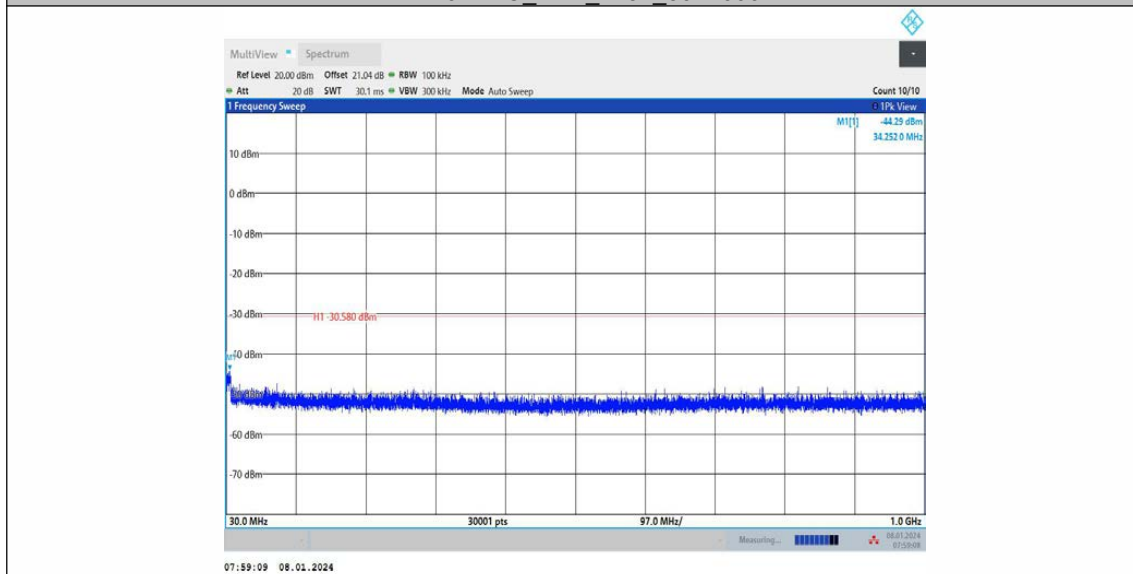




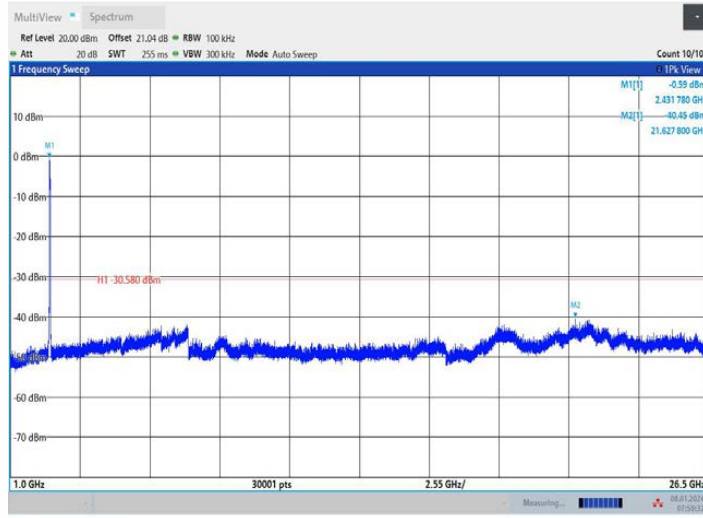
11N40MIMO_Ant2_2437_0~Reference



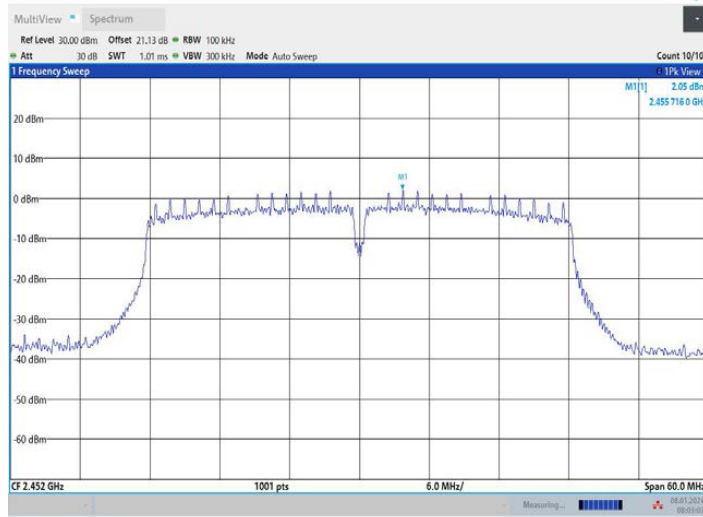
11N40MIMO_Ant2_2437_30~1000



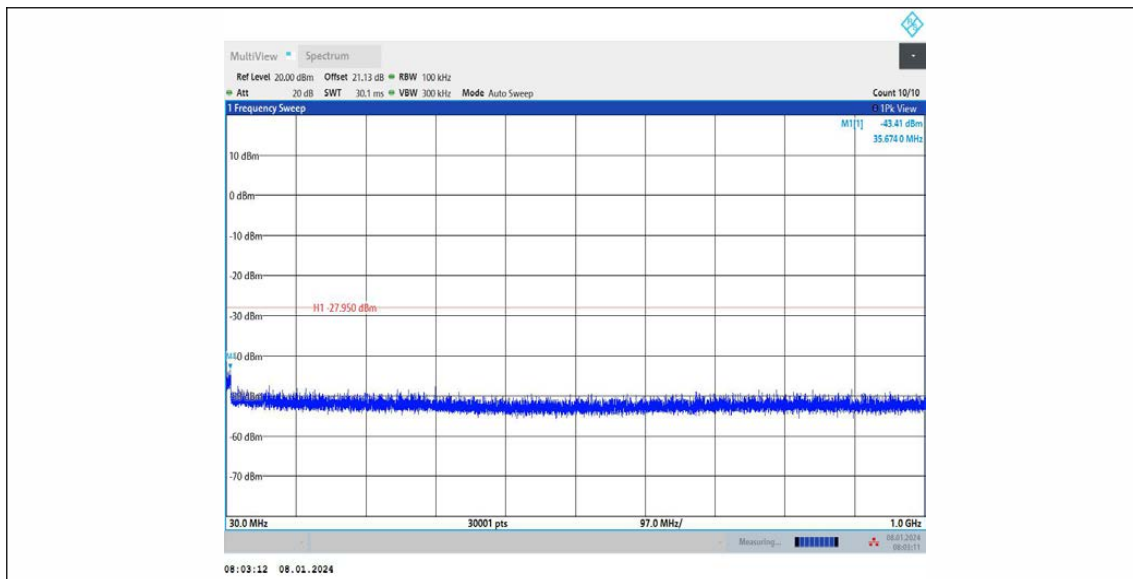
11N40MIMO_Ant2_2437_1000~26500



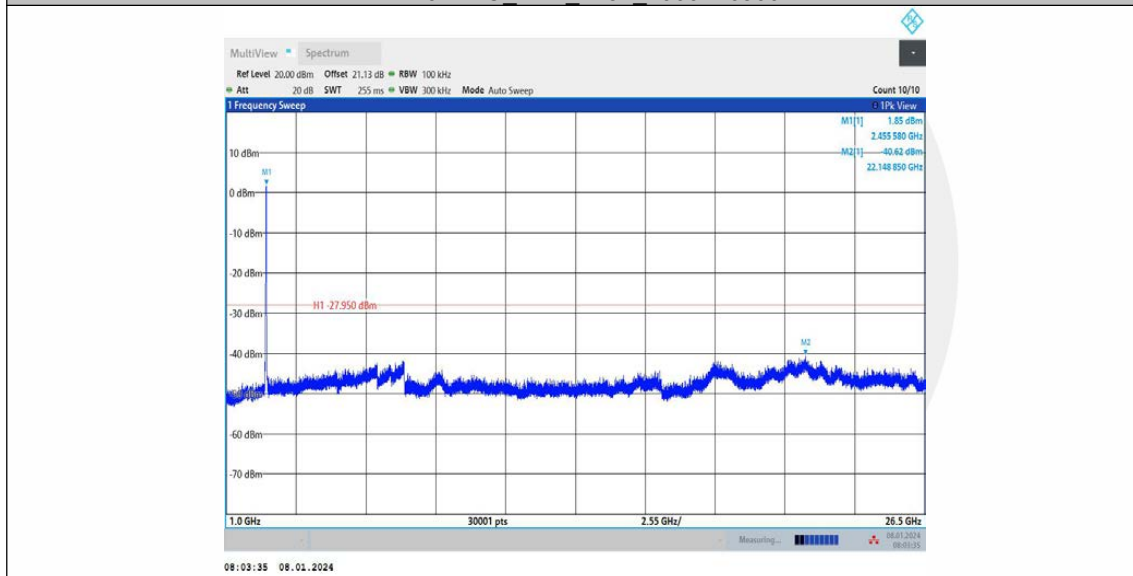
11N40MIMO_Ant1_2452_0~Reference



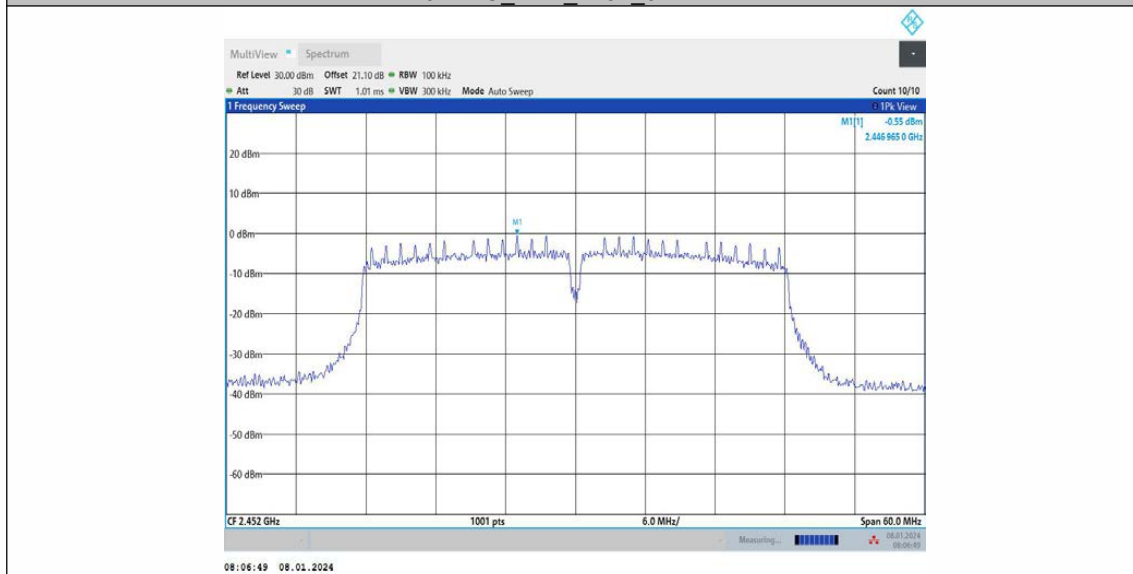
11N40MIMO_Ant1_2452_30~1000



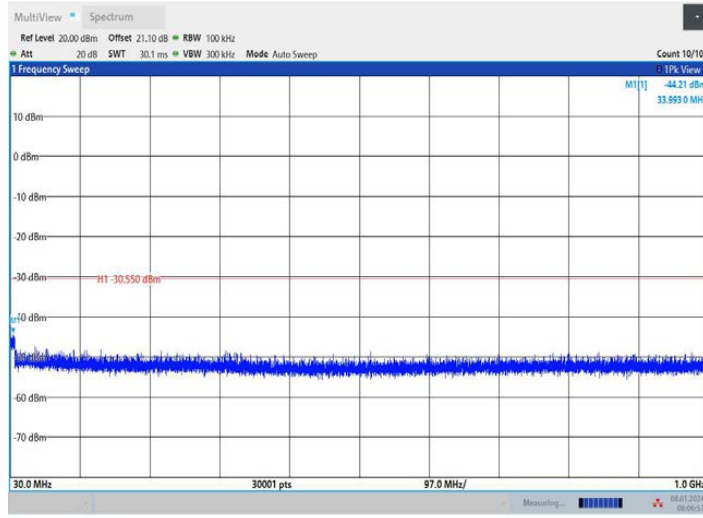
11N40MIMO_Ant1_2452_1000~26500



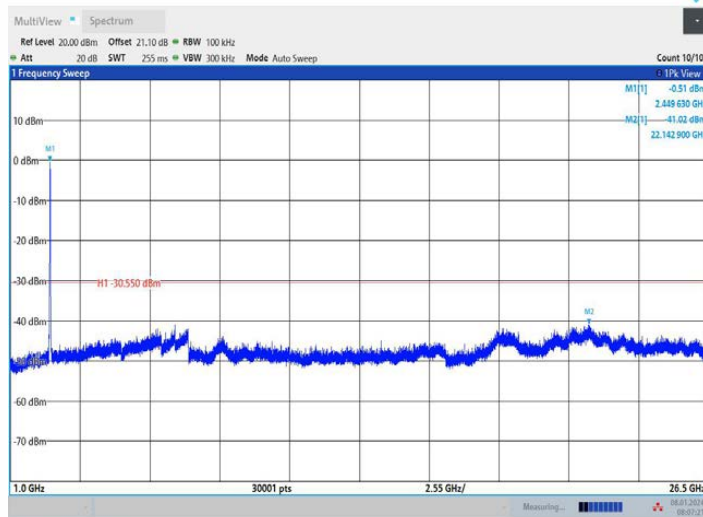
11N40MIMO_Ant2_2452_0~Reference



11N40MIMO_Ant2_2452_30~1000



11N40MIMO_Ant2_2452_1000~26500



7.5 RADIATED EMISSION

7.5.1 Applicable Standard

According to FCC Part 15.247(d) and 15.209 and KDB 558074 D01 15.247 Meas Guidance v05r02.

7.5.2 Conformance Limit

According to FCC Part 15.247(d): radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

According to FCC Part 15.205, Restricted bands:

| MHz | MHz | MHz | GHz |
|-------------------|---------------------|---------------|-------------|
| 0.090-0.110 | 16.42-16.423 | 399.9-410 | 4.5-5.15 |
| 10.495-0.505 | 16.69475-16.69525 | 608-614 | 5.35-5.46 |
| 2.1735-2.1905 | 16.80425-16.80475 | 960-1240 | 7.25-7.75 |
| 4.125-4.128 | 25.5-25.67 | 1300-1427 | 8.025-8.5 |
| 4.17725-4.17775 | 37.5-38.25 | 1435-1626.5 | 9.0-9.2 |
| 4.20725-4.20775 | 73-74.6 | 1645.5-1646.5 | 9.3-9.5 |
| 6.215-6.218 | 74.8-75.2 | 1660-1710 | 10.6-12.7 |
| 6.26775-6.26825 | 123-138 | 2200-2300 | 14.47-14.5 |
| 8.291-8.294 | 149.9-150.05 | 2310-2390 | 15.35-16.2 |
| 8.362-8.366 | 156.52475-156.52525 | 2483.5-2500 | 17.7-21.4 |
| 8.37625-8.38675 | 156.7-156.9 | 2690-2900 | 22.01-23.12 |
| 8.41425-8.41475 | 162.0125-167.17 | 3260-3267 | 23.6-24.0 |
| 12.29-12.293 | 167.72-173.2 | 3332-3339 | 31.2-31.8 |
| 12.51975-12.52025 | 240-285 | 3345.8-3358 | 36.43-36.5 |
| 12.57675-12.57725 | 322-335.4 | 3600-4400 | (2) |
| 13.36-13.41 | | | |

According to FCC Part 15.205 the level of any transmitter spurious emission in Restricted bands shall not exceed the level of the emission specified in the following table.

| Restricted Frequency(MHz) | Field Strength ($\mu\text{V}/\text{m}$) | Field Strength ($\text{dB}\mu\text{V}/\text{m}$) | Measurement Distance |
|---------------------------|---|--|----------------------|
| 0.009-0.490 | 2400/F(KHz) | 20 log ($\mu\text{V}/\text{m}$) | 300 |
| 0.490-1.705 | 24000/F(KHz) | 20 log ($\mu\text{V}/\text{m}$) | 30 |
| 1.705-30 | 30 | 29.5 | 30 |
| 30-88 | 100 | 40 | 3 |
| 88-216 | 150 | 43.5 | 3 |
| 216-960 | 200 | 46 | 3 |
| Above 960 | 500 | 54 | 3 |

7.5.3 Test Configuration

Test according to clause 6.2 radio frequency test setup 2.

7.5.4 Test Procedure

This test is required for any spurious emission that falls in a Restricted Band, as defined in Section 15.205. It must be performed with the highest gain of each type of antenna proposed for use with the EUT. Use the following spectrum analyzer settings:

For Above 1GHz:

The EUT was placed on a turn table which is 1.5m above ground plane.

Maximum procedure was performed on the highest emissions to ensure EUT compliance.

Span = wide enough to fully capture the emission being measured.

RBW = 1 MHz.

VBW \geq RBW.

Sweep = auto.

Detector function = peak.
Trace = max hold.

For Below 1GHz:

The EUT was placed on a turn table which is 0.8m above ground plane.
Maximum procedure was performed on the highest emissions to ensure EUT compliance.
Span = wide enough to fully capture the emission being measured.
RBW = 100 kHz.
VBW \geq RBW.
Sweep = auto.
Detector function = peak.
Trace = max hold.

For Below 30MHz:

The EUT was placed on a turn table which is 0.8m above ground plane.
Maximum procedure was performed on the highest emissions to ensure EUT compliance.
Span = wide enough to fully capture the emission being measured.
RBW = 9kHz.
VBW \geq RBW.
Sweep = auto.
Detector function = peak.
Trace = max hold.

For Below 150KHz:

The EUT was placed on a turn table which is 0.8m above ground plane.
Maximum procedure was performed on the highest emissions to ensure EUT compliance.
Span = wide enough to fully capture the emission being measured.
RBW = 200Hz.
VBW \geq RBW.
Sweep = auto.
Detector function = peak.
Trace = max hold.

Follow the guidelines in ANSI C63.10 with respect to maximizing the emission by rotating the EUT, measuring the emission while the EUT is situated in three orthogonal planes (if appropriate), adjusting the measurement antenna height and polarization, etc. A pre-amp and a high pass filter are required for this test, in order to provide the measuring system with sufficient sensitivity. Allow the trace to stabilize. The peak reading of the emission, after being corrected by the antenna factor, cable loss, pre-amp gain, etc., is the peak field strength, which must comply with the limit. Submit this data. Now set the VBW to 10 Hz, while maintaining all of the other instrument settings. This peak level, once corrected, must comply with the limit. If the dwell time per channel of the hopping signal is less than 100 ms, then the reading obtained with the 10 Hz VBW may be further adjusted by a "duty cycle correction factor", derived from $20\log(\text{dwell time}/100 \text{ ms})$, in an effort to demonstrate compliance with the limit. Submit this data.

Repeat above procedures until all frequency measured was complete.

7.5.5 Test Results

| | | | |
|---------------|------|----------------|-----------|
| Temperature : | 25°C | ATM Pressure:: | 1011 mbar |
| Humidity : | 60 % | Test Engineer: | HZB |

■ Spurious Emission below 30MHz(9KHz to 30MHz)

| Freq. (MHz) | Ant.Pol. H/V | Emission Level(dBuV/m) | | Limit 3m(dBuV/m) | | Over(dB) | |
|----------------|-----------------|---------------------------|----|------------------|----|----------|----|
| | | PK | AV | PK | AV | PK | AV |
| -- | -- | -- | -- | -- | -- | -- | -- |

Note: Data of measurement within this frequency range shown “ -- ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

■ Spurious Emission Above 1GHz(1GHz to 25GHz)

All of the configurations or modes are tested, the data of the worst case is recorded in the report. Highest gain of each antenna and highest output power is ANT2 and MIMO as below:

ANT2:

Test mode: 802.11n(20) Frequency: Channel 1: 2412MHz

| Freq. (MHz) | Ant.Pol. | Emission Level(dBuV/m) | Limit 3m(dBuV/m) | Over(dB) | Detector |
|----------------|----------|---------------------------|---------------------|----------|----------|
| 11516.25 | V | 60.17 | 74.00 | 13.83 | peak |
| 14645.625 | V | 62.74 | 74.00 | 11.26 | peak |
| 17608.125 | V | 67.27 | 74.00 | 6.73 | peak |
| 11516.25 | V | 47.03 | 54.00 | 6.97 | AVG |
| 14645.625 | V | 46.30 | 54.00 | 7.70 | AVG |
| 17608.125 | V | 46.94 | 54.00 | 7.06 | AVG |
| 11499.375 | H | 59.74 | 74.00 | 14.26 | peak |
| 14670 | H | 62.91 | 74.00 | 11.09 | peak |
| 17613.75 | H | 67.41 | 74.00 | 6.59 | peak |
| 11499.375 | H | 47.02 | 54.00 | 6.98 | AVG |
| 14670 | H | 45.22 | 54.00 | 8.78 | AVG |
| 17613.75 | H | 46.92 | 54.00 | 7.08 | AVG |

Test mode: 802.11n(20) Frequency: Channel 6: 2437MHz

| Freq. (MHz) | Ant.Pol. | Emission Level(dBuV/m) | Limit 3m(dBuV/m) | Over(dB) | Detector |
|----------------|----------|---------------------------|---------------------|----------|----------|
| 11518.125 | V | 59.76 | 74.00 | 14.24 | peak |
| 14662.5 | V | 62.92 | 74.00 | 11.08 | peak |
| 17600.625 | V | 67.73 | 74.00 | 6.27 | peak |
| 11518.125 | V | 47.19 | 54.00 | 6.81 | AVG |
| 14662.5 | V | 45.94 | 54.00 | 8.06 | AVG |
| 17600.625 | V | 47.24 | 54.00 | 6.76 | AVG |
| 11514.375 | H | 60.48 | 74.00 | 13.52 | peak |
| 14722.5 | H | 62.13 | 74.00 | 11.87 | peak |
| 17971.875 | H | 66.88 | 74.00 | 7.12 | peak |
| 11514.375 | H | 46.53 | 54.00 | 7.47 | AVG |
| 14722.5 | H | 44.92 | 54.00 | 9.08 | AVG |
| 17971.875 | H | 45.32 | 54.00 | 8.68 | AVG |

Test mode: 802.11n(20) Frequency: Channel 11: 2462MHz

| Freq. (MHz) | Ant.Pol. | Emission Level(dBuV/m) | Limit 3m(dBuV/m) | Over(dB) | Detector |
|-------------|----------|------------------------|------------------|----------|----------|
| 11512.5 | V | 61.94 | 74.00 | 12.06 | peak |
| 14555.625 | V | 62.42 | 74.00 | 11.58 | peak |
| 17581.875 | V | 67.61 | 74.00 | 6.39 | peak |
| 11512.5 | V | 47.77 | 54.00 | 6.23 | AVG |
| 14555.625 | V | 45.99 | 54.00 | 8.01 | AVG |
| 17581.875 | V | 46.57 | 54.00 | 7.43 | AVG |
| 11411.25 | H | 60.80 | 74.00 | 13.20 | peak |
| 14626.875 | H | 61.94 | 74.00 | 12.06 | peak |
| 17638.125 | H | 67.21 | 74.00 | 6.79 | peak |
| 11411.25 | H | 47.07 | 54.00 | 6.93 | AVG |
| 14626.875 | H | 46.71 | 54.00 | 7.29 | AVG |
| 17638.125 | H | 45.75 | 54.00 | 8.25 | AVG |

MIMO:

Test mode: 802.11n(20) Frequency: Channel 1: 2412MHz

| Freq. (MHz) | Ant.Pol. | Emission Level(dBuV/m) | Limit 3m(dBuV/m) | Over(dB) | Detector |
|-------------|----------|------------------------|------------------|----------|----------|
| 11514.860 | V | 60.04 | 74.00 | 13.96 | peak |
| 14644.235 | V | 62.58 | 74.00 | 11.42 | peak |
| 17609.405 | V | 67.24 | 74.00 | 6.76 | peak |
| 11517.530 | V | 47.01 | 54.00 | 6.99 | AVG |
| 14643.375 | V | 46.04 | 54.00 | 7.96 | AVG |
| 17605.875 | V | 46.75 | 54.00 | 7.25 | AVG |
| 11511.065 | H | 59.66 | 74.00 | 14.34 | peak |
| 14681.690 | H | 62.7 | 74.00 | 11.3 | peak |
| 17625.440 | H | 67.25 | 74.00 | 6.75 | peak |
| 11511.065 | H | 46.88 | 54.00 | 7.12 | AVG |
| 14666.690 | H | 45.04 | 54.00 | 8.96 | AVG |
| 17610.440 | H | 46.79 | 54.00 | 7.21 | AVG |

Test mode: 802.11n(20) Frequency: Channel 6: 2437MHz

| Freq. (MHz) | Ant.Pol. | Emission Level(dBuV/m) | Limit 3m(dBuV/m) | Over(dB) | Detector |
|-------------|----------|------------------------|------------------|----------|----------|
| 11516.735 | V | 59.63 | 74.00 | 14.37 | peak |
| 14661.110 | V | 62.76 | 74.00 | 11.24 | peak |
| 17601.905 | V | 67.7 | 74.00 | 6.3 | peak |
| 11519.405 | V | 47.17 | 54.00 | 6.83 | AVG |
| 14660.250 | V | 45.68 | 54.00 | 8.32 | AVG |
| 17598.375 | V | 47.05 | 54.00 | 6.95 | AVG |
| 11526.065 | H | 60.4 | 74.00 | 13.6 | peak |
| 14734.190 | H | 61.92 | 74.00 | 12.08 | peak |
| 17983.565 | H | 66.72 | 74.00 | 7.28 | peak |
| 11526.065 | H | 46.39 | 54.00 | 7.61 | AVG |
| 14719.190 | H | 44.74 | 54.00 | 9.26 | AVG |
| 17968.565 | H | 45.19 | 54.00 | 8.81 | AVG |

Test mode: 802.11n(20) Frequency: Channel 11: 2462MHz

| Freq. (MHz) | Ant.Pol. | Emission Level(dBuV/m) | Limit 3m(dBuV/m) | Over(dB) | Detector |
|-------------|----------|------------------------|------------------|----------|----------|
| 11511.110 | V | 61.81 | 74.00 | 12.19 | peak |
| 14554.235 | V | 62.26 | 74.00 | 11.74 | peak |
| 17583.155 | V | 67.58 | 74.00 | 6.42 | peak |
| 11513.780 | V | 47.75 | 54.00 | 6.25 | AVG |
| 14553.375 | V | 45.73 | 54.00 | 8.27 | AVG |
| 17579.625 | V | 46.38 | 54.00 | 7.62 | AVG |
| 11422.940 | H | 60.72 | 74.00 | 13.28 | peak |
| 14638.565 | H | 61.73 | 74.00 | 12.27 | peak |
| 17649.815 | H | 67.05 | 74.00 | 6.95 | peak |
| 11422.940 | H | 46.93 | 54.00 | 7.07 | AVG |
| 14623.565 | H | 46.53 | 54.00 | 7.47 | AVG |
| 17634.815 | H | 45.62 | 54.00 | 8.38 | AVG |

- Note:**
- (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).
 - (2) Emission Level= Reading Level+Correct Factor.
 - (3) Correct Factor= Ant_F + Cab_L - Preamp
 - (4) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

■ Spurious Emission in Restricted Band 2310-2390MHz and 2483.5-2500MHz
 All of the configurations or modes are tested, the data of the worst case is recorded in the report.

Test mode: 802.11n(20) Frequency: Channel 1: 2412MHz

| Freq. (MHz) | Ant.Pol. | Emission Level(dBuV/m) | Limit 3m(dBuV/m) | Over(dB) | Detector |
|-------------|----------|------------------------|------------------|----------|----------|
| 2313.44 | V | 44.83 | 74.00 | 29.17 | peak |
| 2313.44 | V | 43.10 | 54.00 | 10.90 | AVG |
| 2322.96 | H | 44.58 | 74.00 | 29.42 | peak |
| 2322.96 | H | 43.12 | 54.00 | 10.88 | AVG |

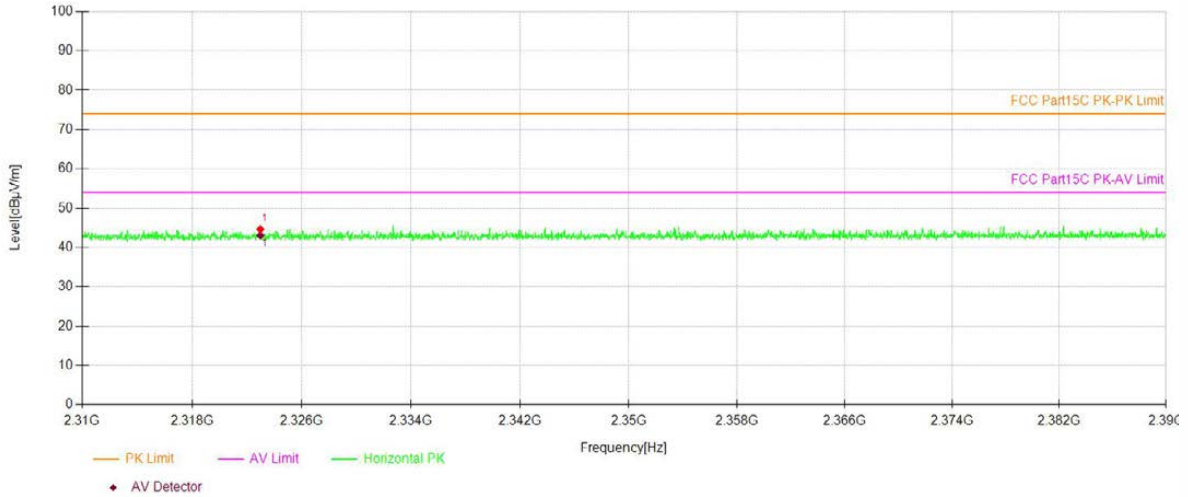
Test mode: 802.11n(20) Frequency: Channel 11: 2462MHz

| Freq. (MHz) | Ant.Pol. | Emission Level(dBuV/m) | Limit 3m(dBuV/m) | Over(dB) | Detector |
|-------------|----------|------------------------|------------------|----------|----------|
| 2486.18 | V | 46.00 | 74.00 | 28.00 | peak |
| 2486.18 | V | 44.26 | 54.00 | 9.74 | AVG |
| 2485.25 | H | 45.48 | 74.00 | 28.52 | peak |
| 2485.25 | H | 41.57 | 54.00 | 12.43 | AVG |

- Note:**
- (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).
 - (2) Emission Level= Reading Level+Correct Factor.
 - (3) Correct Factor= Ant_F + Cab_L - Preamp
 - (4) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

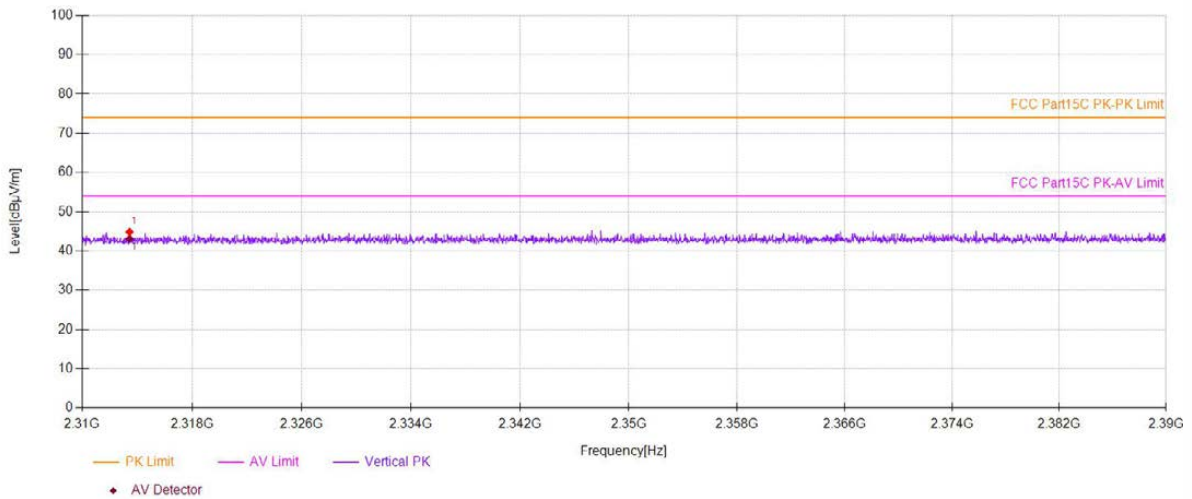
Spurious Emission in Restricted Band 2310-2390MHz

802.11b 802.11g 802.11n(HT20) 802.11n(HT40)
 Test Model Channel Channel 3: 2422MHz Polarity: H
 1:2412MHz
 VBW=3MHz



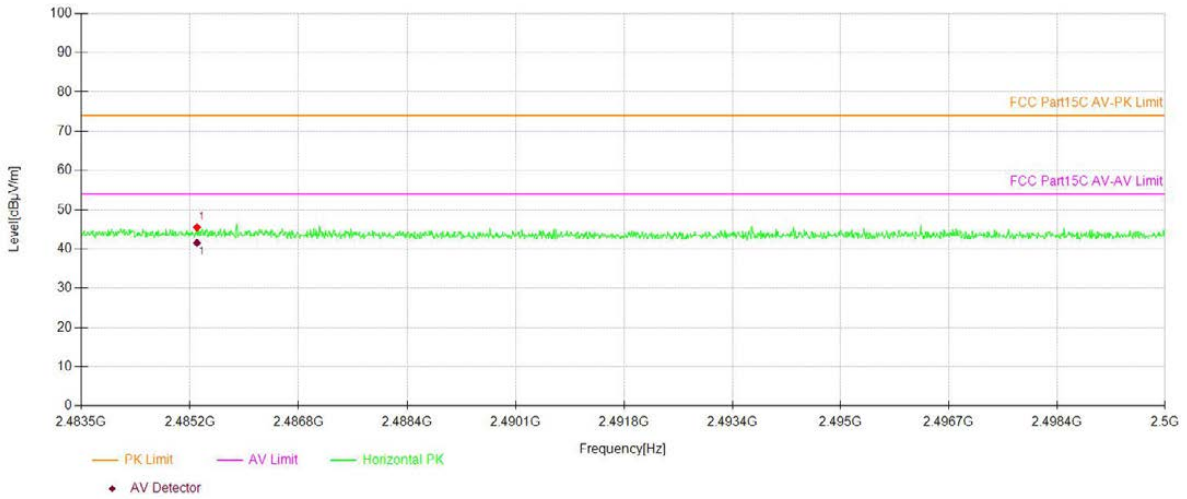
Spurious Emission in Restricted Band 2310-2390MHz

802.11b 802.11g 802.11n(HT20) 802.11n(HT40)
 Test Model Channel 1:2412MHz Channel 3: 2422MHz Polarity: V
 VBW=3MHz



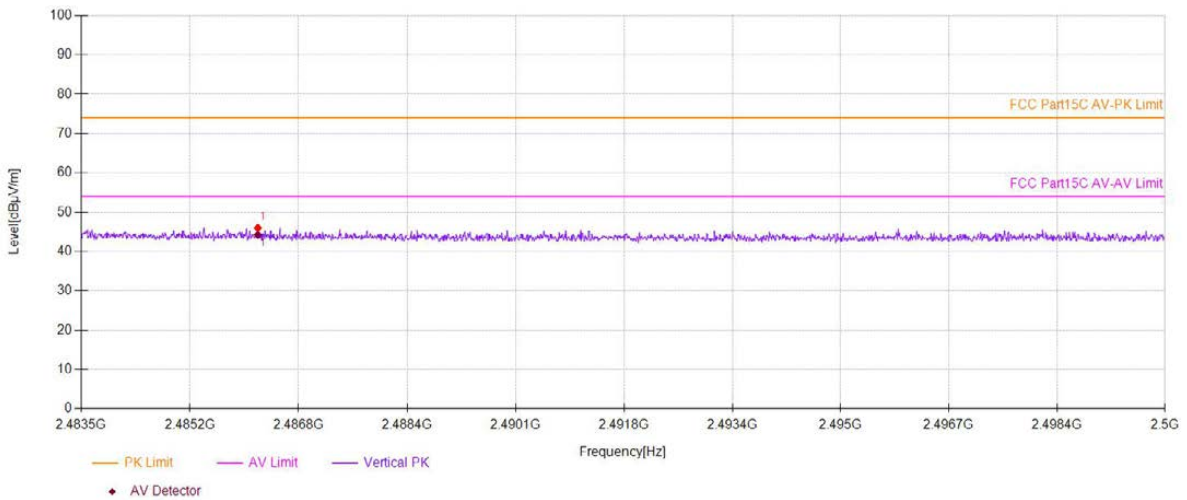
Spurious Emission in Restricted Band 2483.5-2500MHz

Test Model 802.11b 802.11g 802.11n(HT20) 802.11n(HT40)
 Channel 11: 2462MHz Channel 9: 2452MHz Polarity: H
 VBW=3MHz



Spurious Emission in Restricted Band 2483.5-2500MHz

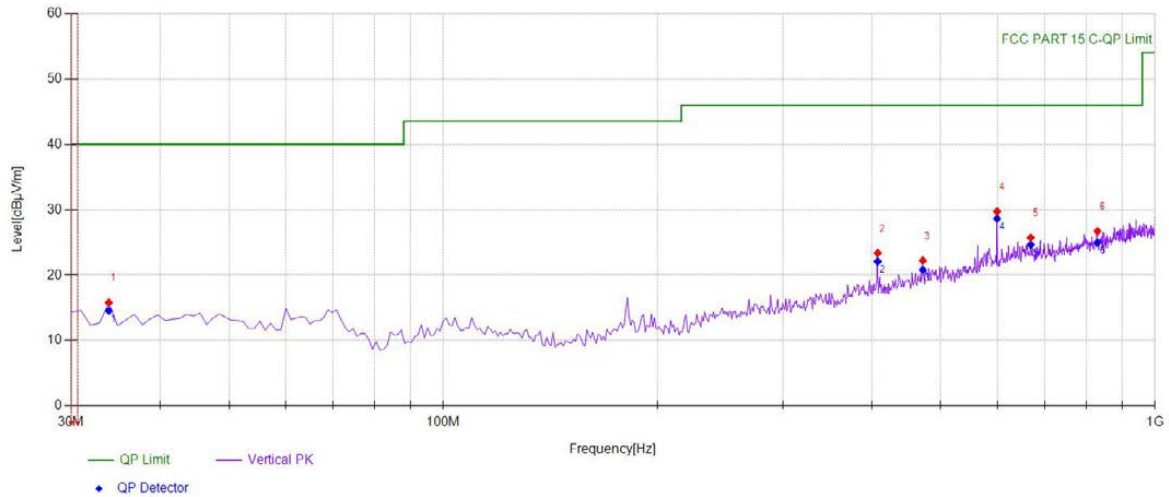
Test Model 802.11b 802.11g 802.11n(HT20) 802.11n(HT40)
 Channel 11: 2462MHz Channel 9: 2452MHz Polarity: V
 VBW=3MHz



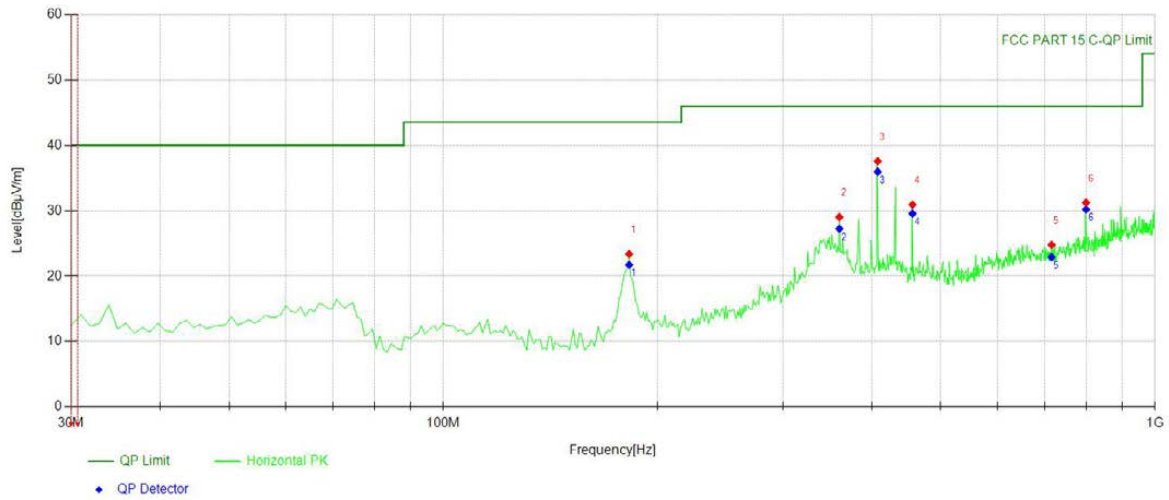
■ Spurious Emission below 1GHz (30MHz to 1GHz)

All of the configurations or modes are tested, the data of the worst case is recorded in the report.

Test mode: 802.11n(20) Frequency: Channel 1: 2412MHz

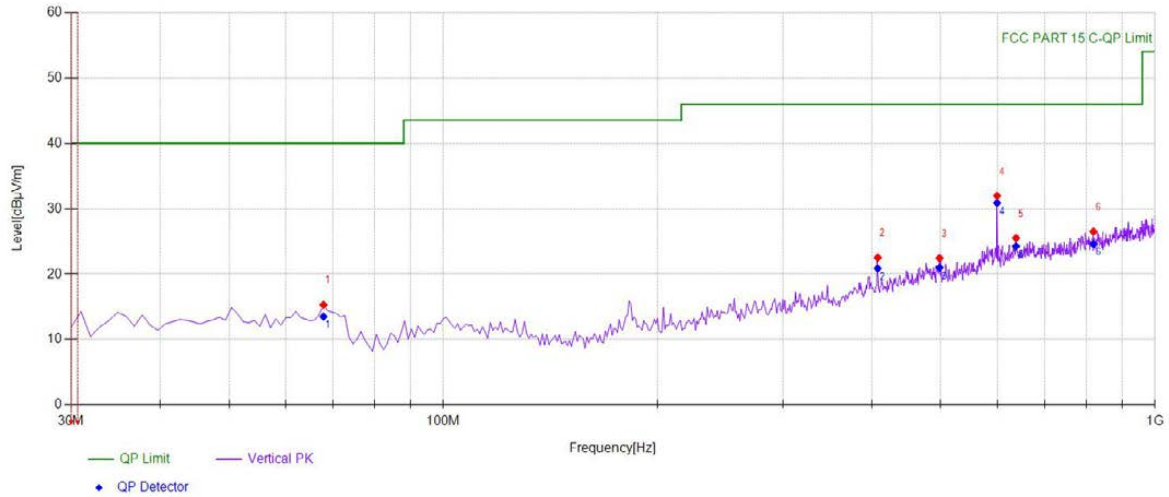


| Suspected Data List | | | | | | | | |
|---------------------|-------------|----------------|---------------|----------------|----------|----------------|-------------|----------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB/m] | Level [dBμV/m] | Detector | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1 | 33.8839 | 34.12 | -18.29 | 15.83 | PK | 40.00 | 24.17 | Vertical |
| 2 | 407.707 | 35.15 | -11.78 | 23.37 | PK | 46.00 | 22.63 | Vertical |
| 3 | 471.791 | 32.55 | -10.30 | 22.25 | PK | 46.00 | 23.75 | Vertical |
| 4 | 599.96 | 36.87 | -7.14 | 29.73 | PK | 46.00 | 16.27 | Vertical |
| 5 | 668.898 | 31.87 | -6.14 | 25.73 | PK | 46.00 | 20.27 | Vertical |
| 6 | 830.080 | 30.82 | -4.12 | 26.70 | PK | 46.00 | 19.30 | Vertical |

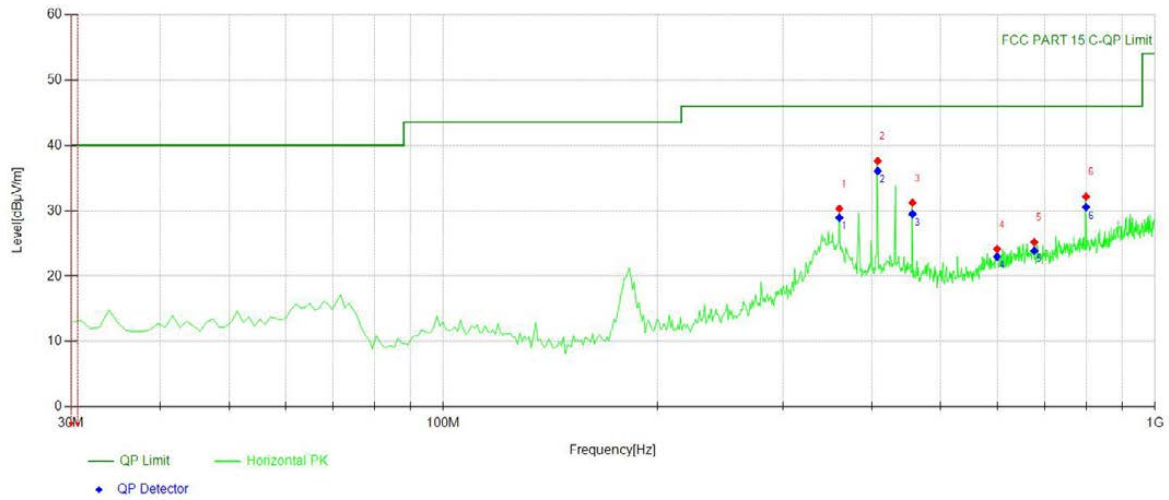


| Suspected Data List | | | | | | | | |
|---------------------|-------------|----------------|---------------|----------------|----------|----------------|-------------|------------|
| NO. | Freq. [MHz] | Reading [dBµV] | Factor [dB/m] | Level [dBµV/m] | Detector | Limit [dBµV/m] | Margin [dB] | Polarity |
| 1 | 182.442 | 41.61 | -18.24 | 23.37 | PK | 43.50 | 20.13 | Horizontal |
| 2 | 360.130 | 42.46 | -13.43 | 29.03 | PK | 46.00 | 16.97 | Horizontal |
| 3 | 407.707 | 49.34 | -11.78 | 37.56 | PK | 46.00 | 8.44 | Horizontal |
| 4 | 456.256 | 41.98 | -11.07 | 30.91 | PK | 46.00 | 15.09 | Horizontal |
| 5 | 715.505 | 30.61 | -5.83 | 24.78 | PK | 46.00 | 21.22 | Horizontal |
| 6 | 799.98 | 35.66 | -4.42 | 31.24 | PK | 46.00 | 14.76 | Horizontal |

Test mode: 802.11n(20) Frequency: Channel 6: 2437MHz

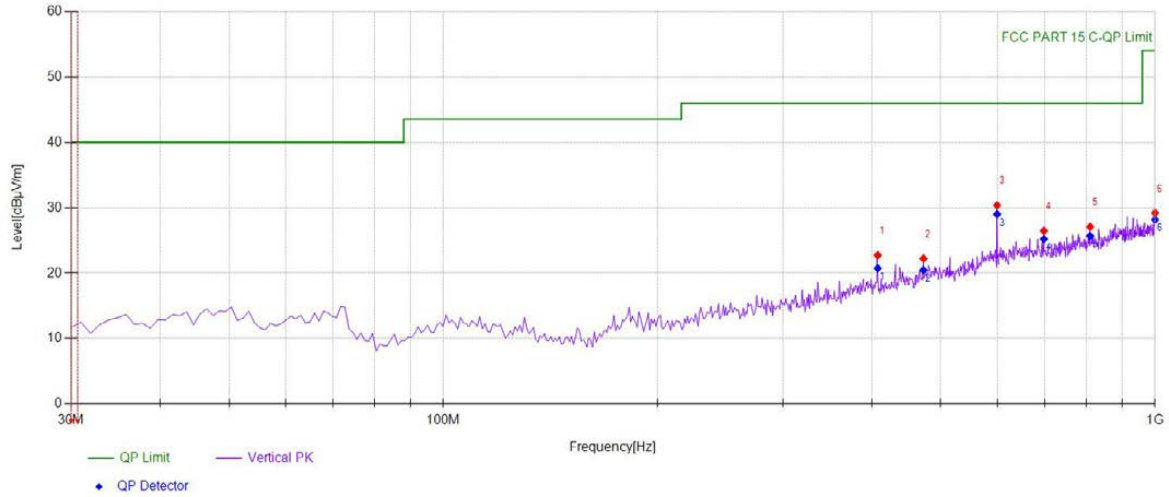


| Suspected Data List | | | | | | | | |
|---------------------|-------------|----------------|---------------|----------------|----------|----------------|-------------|----------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB/m] | Level [dBμV/m] | Detector | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1 | 67.8679 | 34.99 | -19.66 | 15.33 | PK | 40.00 | 24.67 | Vertical |
| 2 | 407.707 | 34.30 | -11.78 | 22.52 | PK | 46.00 | 23.48 | Vertical |
| 3 | 498.008 | 32.22 | -9.77 | 22.45 | PK | 46.00 | 23.55 | Vertical |
| 4 | 599.96 | 39.11 | -7.14 | 31.97 | PK | 46.00 | 14.03 | Vertical |
| 5 | 637.827 | 31.89 | -6.36 | 25.53 | PK | 46.00 | 20.47 | Vertical |
| 6 | 819.399 | 30.80 | -4.29 | 26.51 | PK | 46.00 | 19.49 | Vertical |

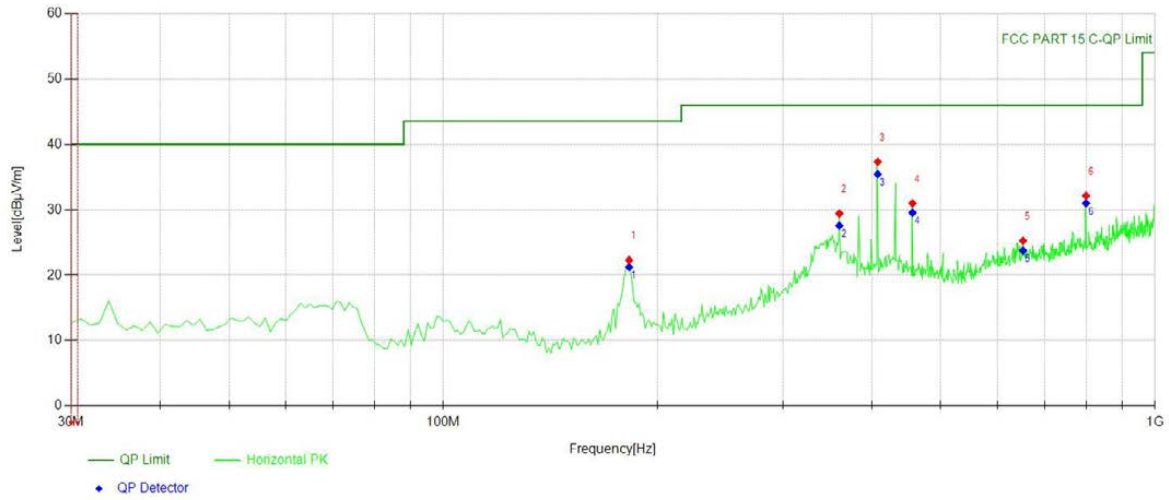


| Suspected Data List | | | | | | | | |
|---------------------|-------------|----------------|---------------|----------------|----------|----------------|-------------|------------|
| NO. | Freq. [MHz] | Reading [dBµV] | Factor [dB/m] | Level [dBµV/m] | Detector | Limit [dBµV/m] | Margin [dB] | Polarity |
| 1 | 360.130 | 43.74 | -13.43 | 30.31 | PK | 46.00 | 15.69 | Horizontal |
| 2 | 407.707 | 49.37 | -11.78 | 37.59 | PK | 46.00 | 8.41 | Horizontal |
| 3 | 456.256 | 42.29 | -11.07 | 31.22 | PK | 46.00 | 14.78 | Horizontal |
| 4 | 599.96 | 31.27 | -7.14 | 24.13 | PK | 46.00 | 21.87 | Horizontal |
| 5 | 676.666 | 31.31 | -6.11 | 25.20 | PK | 46.00 | 20.80 | Horizontal |
| 6 | 799.98 | 36.58 | -4.42 | 32.16 | PK | 46.00 | 13.84 | Horizontal |

Test mode: 802.11n(20) Frequency: Channel 11: 2462MHz



| Suspected Data List | | | | | | | | |
|---------------------|-------------|----------------|---------------|----------------|----------|----------------|-------------|----------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB/m] | Level [dBμV/m] | Detector | Limit [dBμV/m] | Margin [dB] | Polarity |
| 1 | 407.707 | 34.51 | -11.78 | 22.73 | PK | 46.00 | 23.27 | Vertical |
| 2 | 472.762 | 32.48 | -10.24 | 22.24 | PK | 46.00 | 23.76 | Vertical |
| 3 | 599.96 | 37.50 | -7.14 | 30.36 | PK | 46.00 | 15.64 | Vertical |
| 4 | 698.028 | 32.42 | -5.96 | 26.46 | PK | 46.00 | 19.54 | Vertical |
| 5 | 810.660 | 31.42 | -4.34 | 27.08 | PK | 46.00 | 18.92 | Vertical |
| 6 | 1000 | 30.93 | -1.72 | 29.21 | PK | 54.00 | 24.79 | Vertical |



| Suspected Data List | | | | | | | | |
|---------------------|-------------|----------------|---------------|----------------|----------|----------------|-------------|------------|
| NO. | Freq. [MHz] | Reading [dBµV] | Factor [dB/m] | Level [dBµV/m] | Detector | Limit [dBµV/m] | Margin [dB] | Polarity |
| 1 | 182.442 | 40.54 | -18.24 | 22.30 | PK | 43.50 | 21.20 | Horizontal |
| 2 | 360.130 | 42.85 | -13.43 | 29.42 | PK | 46.00 | 16.58 | Horizontal |
| 3 | 407.707 | 49.08 | -11.78 | 37.30 | PK | 46.00 | 8.70 | Horizontal |
| 4 | 456.256 | 42.03 | -11.07 | 30.96 | PK | 46.00 | 15.04 | Horizontal |
| 5 | 652.392 | 31.46 | -6.20 | 25.26 | PK | 46.00 | 20.74 | Horizontal |
| 6 | 799.98 | 36.55 | -4.42 | 32.13 | PK | 46.00 | 13.87 | Horizontal |

7.6 CONDUCTED EMISSION TEST

7.6.1 Applicable Standard

According to IC RSS-Gen 8.8

7.6.2 Conformance Limit

FCC Part 15, Subpart B, Class B

| Conducted Emission Limit | | |
|--------------------------|------------|---------|
| Frequency(MHz) | Quasi-peak | Average |
| 0.15-0.5 | 66-56 | 56-46 |
| 0.5-5.0 | 56 | 46 |
| 5.0-30.0 | 60 | 50 |

Note:

1. The lower limit shall apply at the transition frequencies
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

7.6.3 Test Configuration

Test according to clause 6.3 conducted emission test setup 3.

7.6.4 Test Procedure

The EUT was placed on a table which is 0.8m above ground plane.
Maximum procedure was performed on the highest emissions to ensure EUT compliance.
Repeat above procedures until all frequency measured were complete.

7.6.5 Test Results

N/A

N/A means Not applicable, since EUT is battery power supply.

Detail of factor for radiated emission:

| Frequency(MHz) | Ant_F(dB) | Cab_L(dB) | Preamp(dB) | Correct Factor(dB) |
|----------------|-----------|-----------|------------|--------------------|
| 0.009 | 20.6 | 0.03 | \ | 20.63 |
| 0.15 | 20.7 | 0.1 | \ | 20.8 |
| 1 | 20.9 | 0.15 | \ | 21.05 |
| 10 | 20.1 | 0.28 | \ | 20.38 |
| 30 | 18.8 | 0.45 | \ | 19.25 |
| | | | | |
| 30 | 11.7 | 0.62 | 27.9 | -15.58 |
| 100 | 12.5 | 1.02 | 27.8 | -14.28 |
| 300 | 12.9 | 1.91 | 27.5 | -12.69 |
| 600 | 19.2 | 2.92 | 27 | -4.88 |
| 800 | 21.1 | 3.54 | 26.6 | -1.96 |
| 1000 | 22.3 | 4.17 | 26.2 | 0.27 |
| | | | | |
| 1000 | 25.6 | 1.76 | 41.4 | -14.04 |
| 3000 | 28.9 | 3.27 | 43.2 | -11.03 |
| 5000 | 31.1 | 4.2 | 44.6 | -9.3 |
| 8000 | 36.2 | 5.95 | 44.7 | -2.55 |
| 10000 | 38.4 | 6.3 | 43.9 | 0.8 |
| 12000 | 38.5 | 7.14 | 42.3 | 3.34 |
| 15000 | 40.2 | 8.15 | 41.4 | 6.95 |
| 18000 | 45.4 | 9.02 | 41.3 | 13.12 |
| | | | | |
| 18000 | 37.9 | 1.81 | 47.9 | -8.19 |
| 21000 | 37.9 | 1.95 | 48.7 | -8.85 |
| 25000 | 39.3 | 2.01 | 42.8 | -1.49 |
| 28000 | 39.6 | 2.16 | 46.0 | -4.24 |
| 31000 | 41.2 | 2.24 | 44.5 | -1.06 |
| 34000 | 41.5 | 2.29 | 46.6 | -2.81 |
| 37000 | 43.8 | 2.30 | 46.4 | -0.3 |
| 40000 | 43.2 | 2.50 | 42.2 | 3.5 |

--- End of Report ---