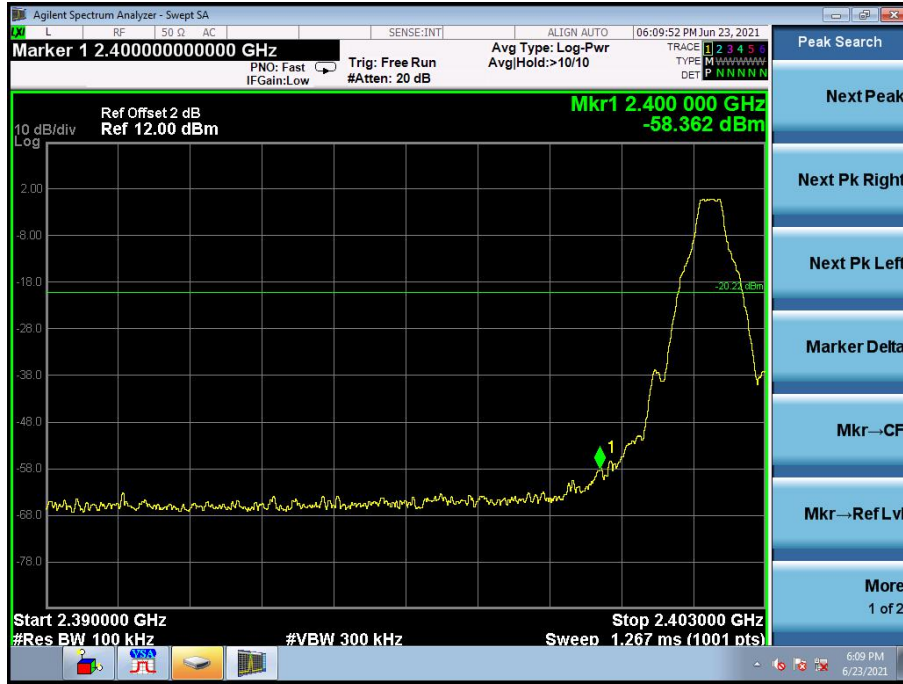


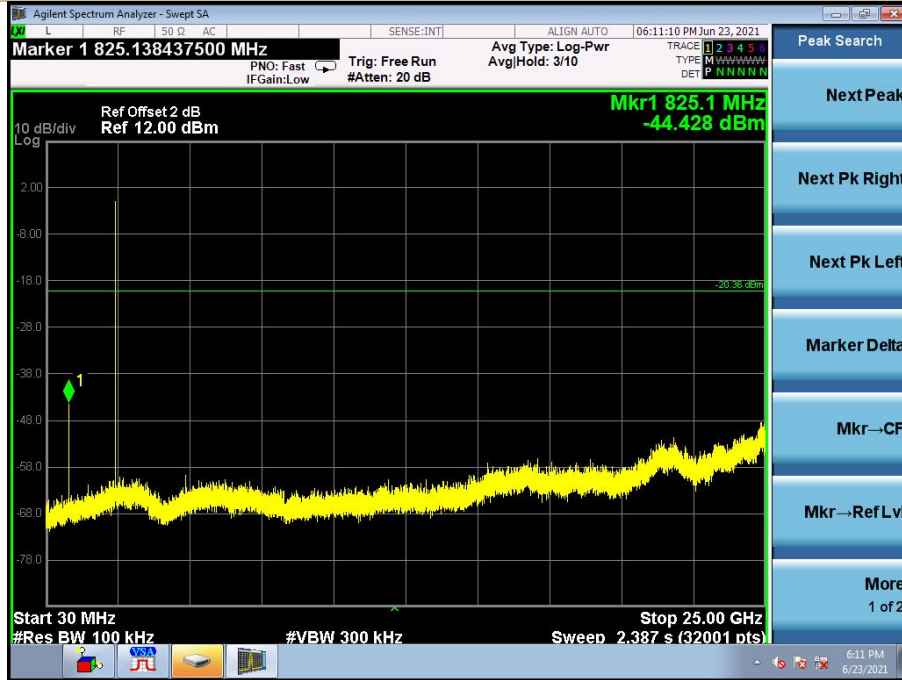
Test Model Band-edge Conducted Emissions
 Bluetooth with classic mode
 Channel 0: 2402MHz GFSK



Test Model Maximum Conducted Level RBW=100kHz
 Bluetooth with classic mode
 Channel 39: 2441MHz GFSK



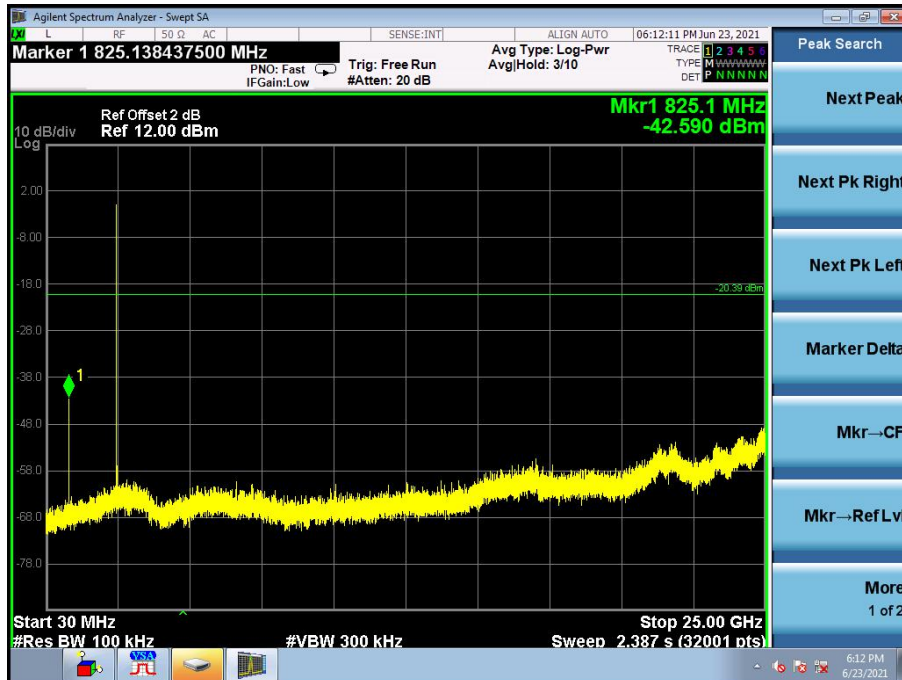
Test Model **Conducted Spurious RF Conducted Emission**
 Bluetooth with classic mode
 Channel 39: 2441MHz **GFSK**



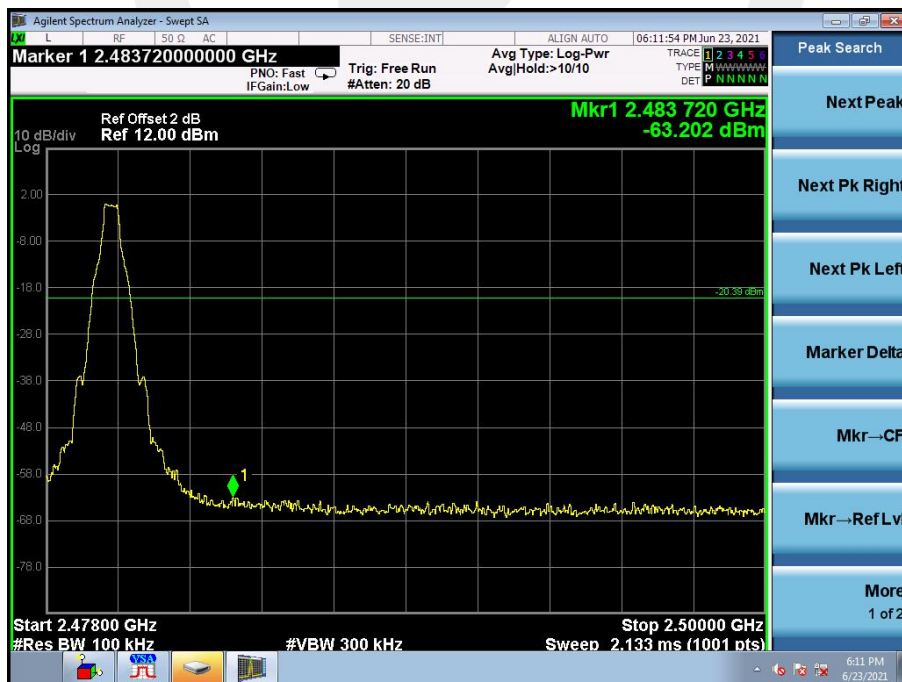
Test Model **Maximum Conducted Level RBW=100kHz**
 Bluetooth with classic mode
 Channel 78: 2480MHz **GFSK**



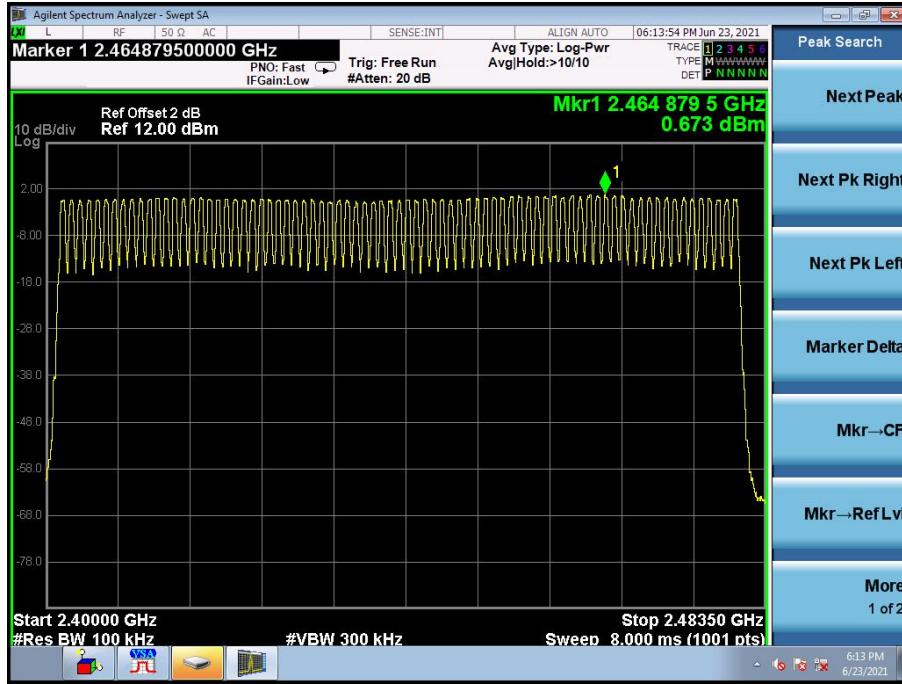
Test Model Conducted Spurious RF Conducted Emission
 Bluetooth with classic mode
 Channel 78: 2480MHz GFSK



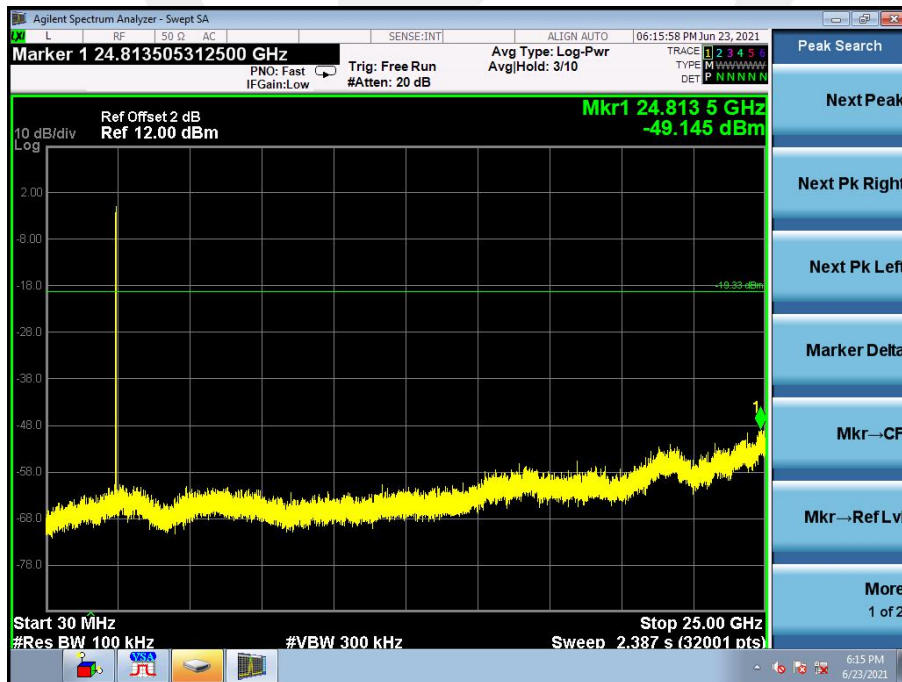
Test Model Band-edge Conducted Emissions
 Bluetooth with classic mode
 Channel 78: 2480MHz GFSK



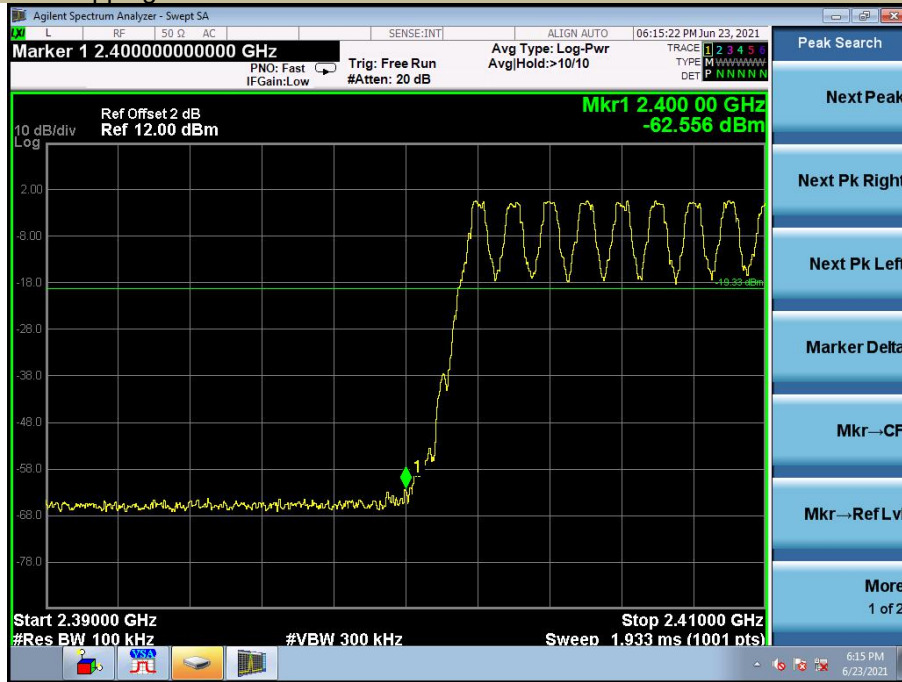
Test Model Maximum Conduced Level RBW=100kHz
 Bluetooth with classic mode
 Hopping GFSK



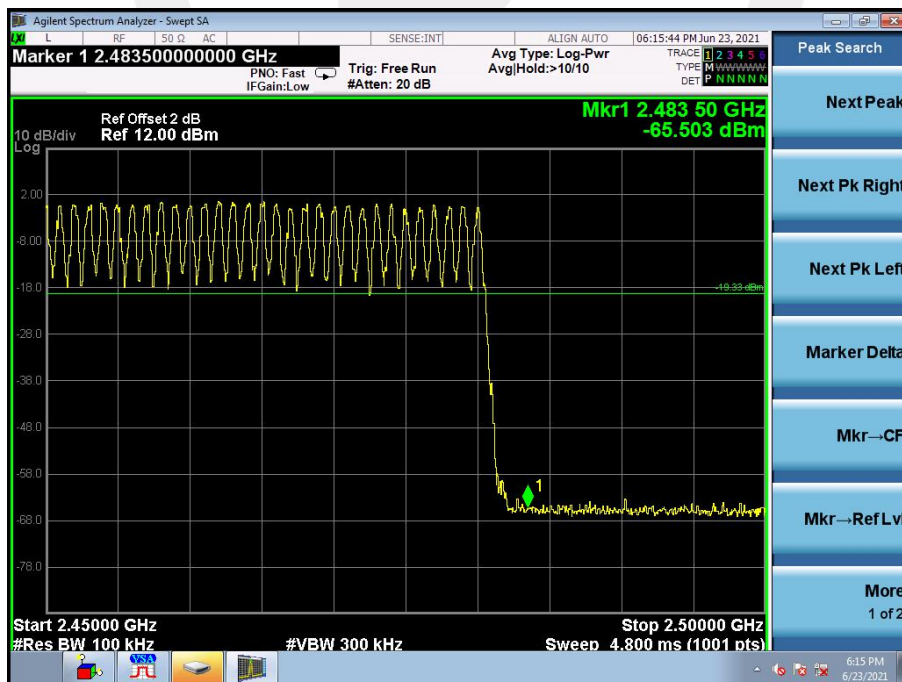
Test Model Conduced Spurious RF Conducted Emission
 Bluetooth with classic mode
 Hopping GFSK



Test Model Band-edge Conducted Emissions
Bluetooth with classic mode
Hopping GFSK



Test Model Band-edge Conducted Emissions
Bluetooth with classic mode
Hopping GFSK



9.7 RADIATED SPURIOUS EMISSION

9.7.1 Applicable Standard

According to FCC Part 15.247(d) and 15.209 and KDB 558074 D01 MEAS GUIDANCE V05r02

9.7.2 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 ($\mu\text{V/m}$) | Field Strength (dB $\mu\text{V/m}$) | Measurement Distance |
|---------------------------|------------------------------------|--------------------------------------|----------------------|
| 0.009-0.490 | 2400/F(KHz) | 20 log (uV/m) | 300 |
| 0.490-1.705 | 24000/F(KHz) | 20 log (uV/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 |

9.7.3 Test Configuration

Test according to clause 7.2 radio frequency test setup 2

9.7.4 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 for

VBW ≥ 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 ≥ 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 ≥ RBW

Sweep = auto

Detector function = peak

Trace = max hold

Follow the guidelines in ANSI C63.10-2013 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 specified in Section 15.35(b). 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 specified in Section 15.209. 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 15.209 limit. Submit this data.

Repeat above procedures until all frequency measured was complete.

9.7.5 Test Results

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

| | |
|--------------------|-----------|
| Temperature: | 26°C |
| Relative Humidity: | 54% |
| ATM Pressure: | 1011 mbar |

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

Note: the amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.

Distance extrapolation factor = $40\log(\text{Specific distance}/ \text{test distance})(\text{dB})$;

Limit line=Specific limits(dBuV) + distance extrapolation factor

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

Bluetooth (GFSK, pi/4-DQPSK, 8DPSK) mode have been tested, and the worst result(GFSK) was report as below:

Test mode: GFSK Frequency: Channel 0: 2402MHz

| Freq. (MHz) | Ant.Pol. H/V | Emission Level(dBuV/m) | | Limit 3m(dBuV/m) | | Over(dB) | |
|-------------|--------------|------------------------|-------|------------------|----|----------|--------|
| | | PK | AV | PK | AV | PK | AV |
| 5760.965 | V | 45.15 | 35.72 | 74 | 54 | -28.85 | -18.28 |
| 11506.52 | V | 55.24 | 43.59 | 74 | 54 | -18.76 | -10.41 |
| 14441.51 | V | 55.19 | 44.24 | 74 | 54 | -18.81 | -9.76 |
| 7214.919 | H | 49.62 | 38.98 | 74 | 54 | -24.38 | -15.02 |
| 12092.44 | H | 54.79 | 43.56 | 74 | 54 | -19.21 | -10.44 |
| 14542.81 | H | 56.45 | 44.75 | 74 | 54 | -17.55 | -9.25 |

Test mode: GFSK Frequency: Channel 39: 2441MHz

| Freq. (MHz) | Ant.Pol. H/V | Emission Level(dBuV/m) | | Limit 3m(dBuV/m) | | Over(dB) | |
|-------------|--------------|------------------------|-------|------------------|----|----------|--------|
| | | PK | AV | PK | AV | PK | AV |
| 7361.987 | V | 50.15 | 39.27 | 74 | 54 | -23.85 | -14.73 |
| 12233.31 | V | 54.76 | 43.61 | 74 | 54 | -19.24 | -10.39 |
| 14632.13 | V | 56.58 | 45.76 | 74 | 54 | -17.42 | -8.24 |
| 7189.437 | H | 49.90 | 39.88 | 74 | 54 | -24.10 | -14.12 |
| 11892.08 | H | 54.20 | 42.22 | 74 | 54 | -19.80 | -11.78 |
| 14709.67 | H | 56.62 | 45.25 | 74 | 54 | -17.38 | -8.75 |

Test mode: GFSK Frequency: Channel 78: 2480MHz

| Freq. (MHz) | Ant.Pol. H/V | Emission Level(dBuV/m) | | Limit 3m(dBuV/m) | | Over(dB) | |
|-------------|--------------|------------------------|-------|------------------|----|----------|--------|
| | | PK | AV | PK | AV | PK | AV |
| 4925.904 | V | 46.78 | 35.96 | 74 | 54 | -27.22 | -18.04 |
| 7680.635 | V | 50.16 | 40.51 | 74 | 54 | -23.84 | -13.49 |
| 11143.27 | V | 54.88 | 43.67 | 74 | 54 | -19.12 | -10.33 |
| 4745.904 | H | 46.08 | 34.91 | 74 | 54 | -27.92 | -19.09 |
| 11243.75 | H | 54.90 | 43.74 | 74 | 54 | -19.10 | -10.26 |
| 14611.83 | H | 57.12 | 45.69 | 74 | 54 | -16.88 | -8.31 |

- 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
 Bluetooth (GFSK, pi/4-DQPSK, 8DPSK, Hopping) mode have been tested, and the worst result(GFSK, Hopping) was report as below:

Test mode: GFSK Frequency: Channel 0: 2402MHz

| Frequency (MHz) | Polarity H/V | PK(dBuV/m) (VBW=3MHz) | Limit 3m (dBuV/m) | Over(dB) | AV(dBuV/m) (VBW=10Hz) | Limit 3m (dBuV/m) | Over(dB) |
|-----------------|--------------|-----------------------|-------------------|----------|-----------------------|-------------------|----------|
| 2389.908 | H | 53.75 | 74 | -20.25 | 41.10 | 54 | -12.90 |
| 2388.096 | V | 51.66 | 74 | -22.34 | 39.25 | 54 | -14.75 |

Test mode: GFSK Frequency: Channel 78: 2480MHz

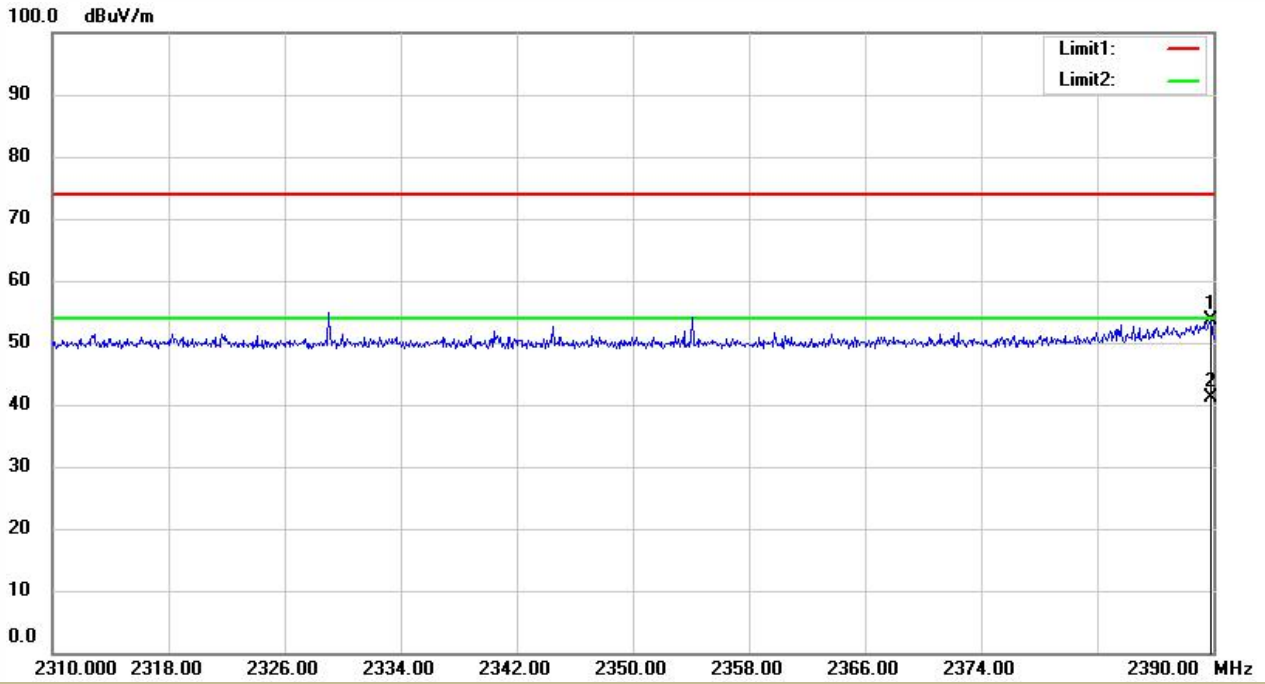
| Frequency (MHz) | Polarity H/V | PK(dBuV/m) (VBW=3MHz) | Limit 3m (dBuV/m) | Over(dB) | AV(dBuV/m) (VBW=10Hz) | Limit 3m (dBuV/m) | Over(dB) |
|-----------------|--------------|-----------------------|-------------------|----------|-----------------------|-------------------|----------|
| 2483.909 | H | 52.67 | 74 | -21.33 | 38.79 | 54 | -15.21 |
| 2484.493 | V | 52.89 | 74 | -21.11 | 39.65 | 54 | -14.35 |

Test mode: GFSK Frequency: Hopping

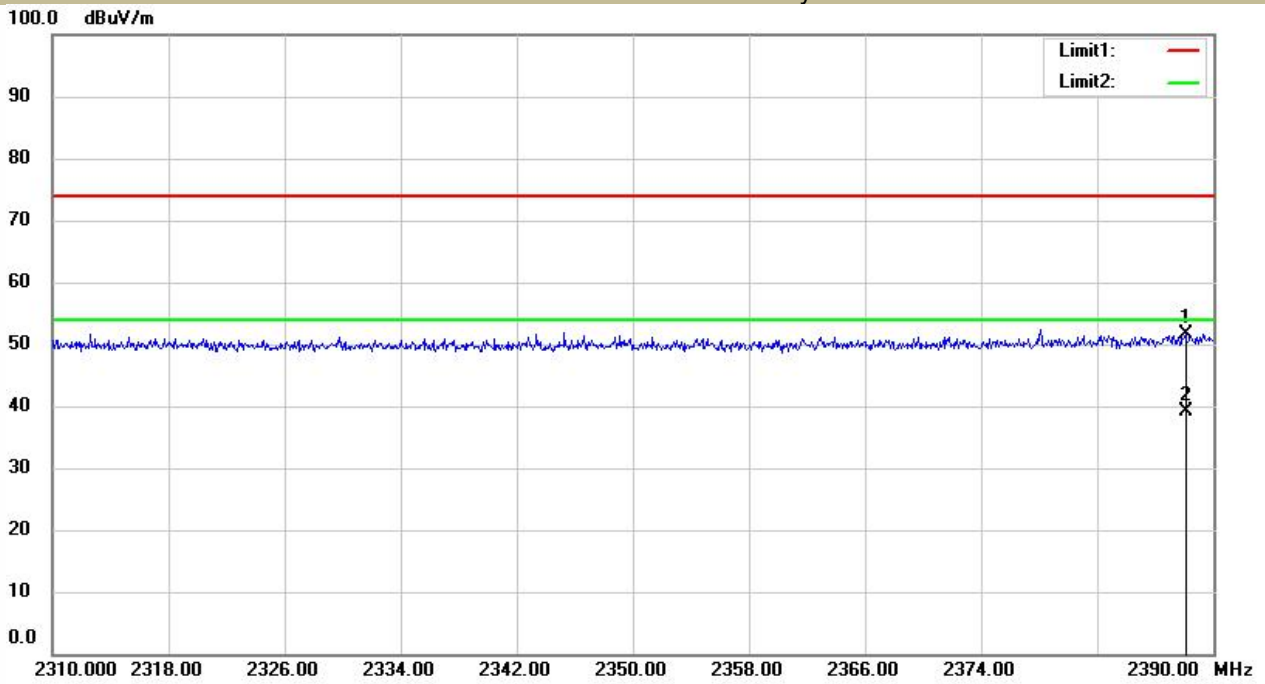
| Frequency (MHz) | Polarity H/V | PK(dBuV/m) (VBW=3MHz) | Limit 3m (dBuV/m) | Over(dB) | AV(dBuV/m) (VBW=10Hz) | Limit 3m (dBuV/m) | Over(dB) |
|-----------------|--------------|-----------------------|-------------------|----------|-----------------------|-------------------|----------|
| 2390.000 | H | 54.86 | 74 | -19.14 | 43.72 | 54 | -10.28 |
| 2483.500 | H | 57.12 | 74 | -16.88 | 45.37 | 54 | -8.63 |
| 2390.000 | V | 44.88 | 74 | -29.12 | 33.87 | 54 | -20.13 |
| 2483.500 | V | 49.83 | 74 | -24.17 | 38.59 | 54 | -15.41 |

- Note:**
- (1) All Readings are Peak Value (VBW=3MHz) and Peak Value (VBW=10Hz).
 - (2) Emission Level= Reading Level+Correct Factor +Cable Loss.
 - (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.

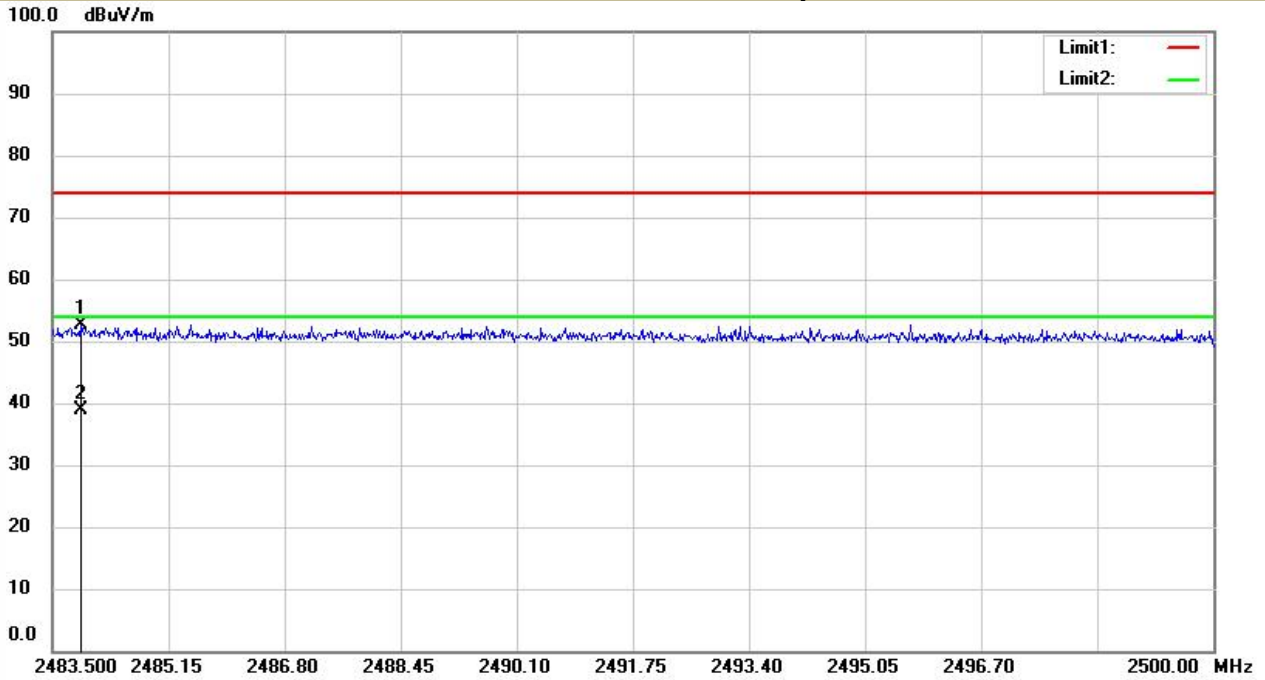
| | | | |
|------------|---|------|---|
| Test Model | Spurious Emission in Restricted Band 2310-2390MHz | | |
| | Bluetooth with classic mode | | |
| | Channel 0: 2402MHz | GFSK | H |
| | Test By: XW | | |



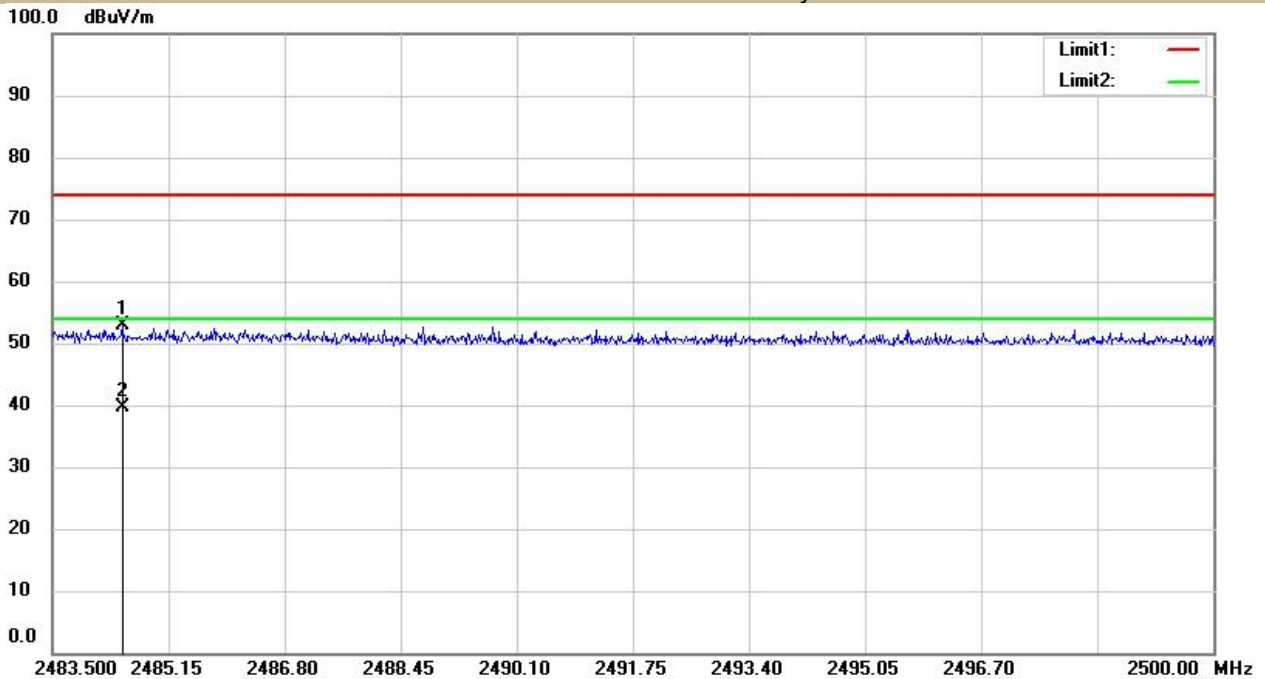
| | | | |
|------------|---|------|---|
| Test Model | Spurious Emission in Restricted Band 2310-2390MHz | | |
| | Bluetooth with classic mode | | |
| | Channel 0: 2402MHz | GFSK | V |
| | Test By: XW | | |



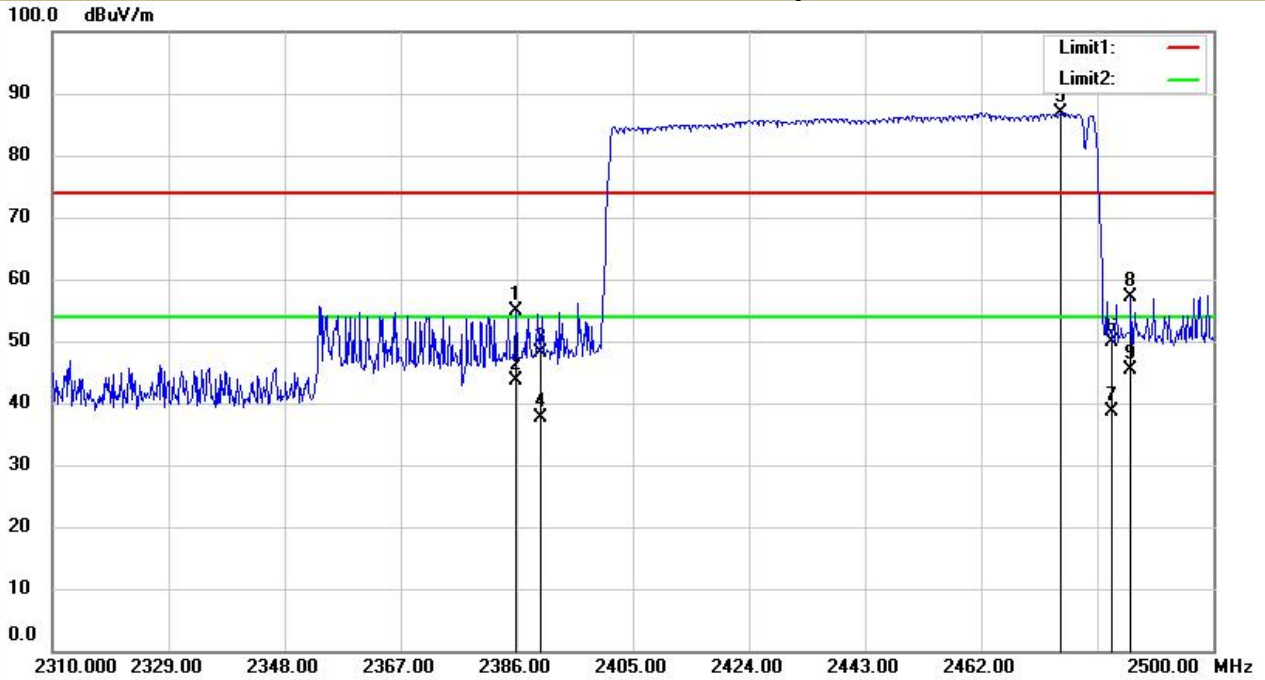
| | | | |
|------------|---|------|---|
| Test Model | Spurious Emission in Restricted Band 2483.5-2500MHz | | |
| | Bluetooth with classic mode | | |
| | Channel 78: 2480MHz | GFSK | H |
| | Test By: XW | | |



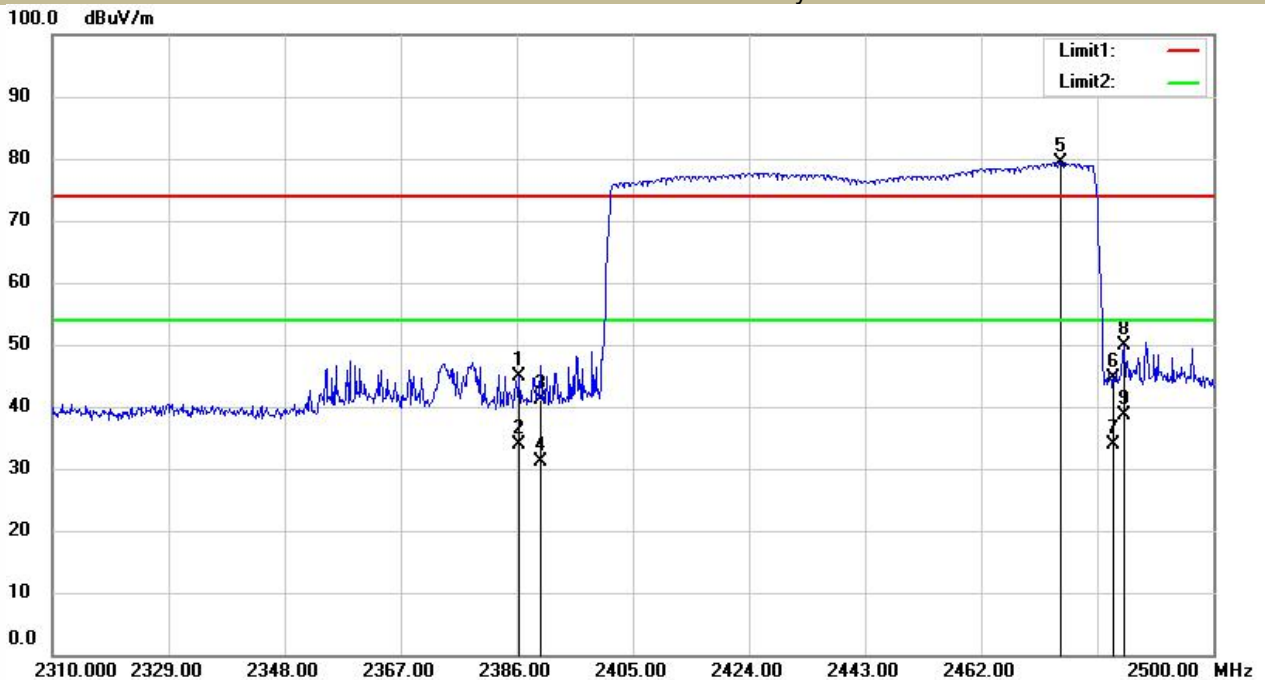
| | | | |
|------------|---|------|---|
| Test Model | Spurious Emission in Restricted Band 2483.5-2500MHz | | |
| | Bluetooth with classic mode | | |
| | Channel 78: 2480MHz | GFSK | V |
| | Test By: XW | | |



| | | | |
|------------|--|-------------|---|
| Test Model | Spurious Emission in Restricted Band 2310-2390MHz and 2400-2483.5MHz Bluetooth with classic mode Hopping | GFSK | H |
| | | Test By: XW | |

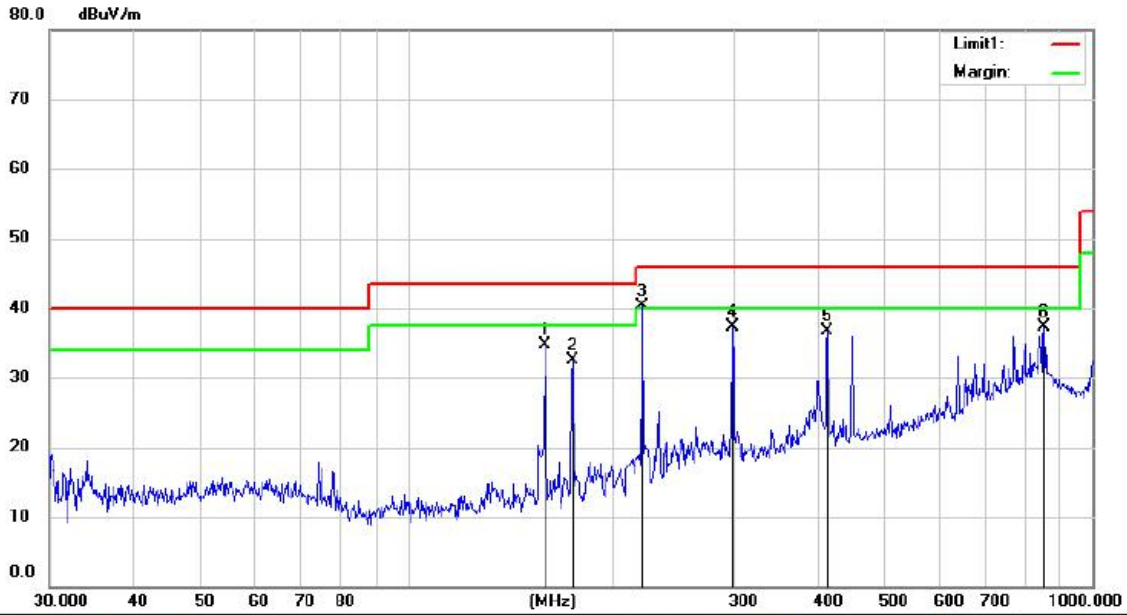


| | | | |
|------------|--|-------------|---|
| Test Model | Spurious Emission in Restricted Band 2310-2390MHz and 2400-2483.5MHz Bluetooth with classic mode Hopping | GFSK | V |
| | | Test By: XW | |



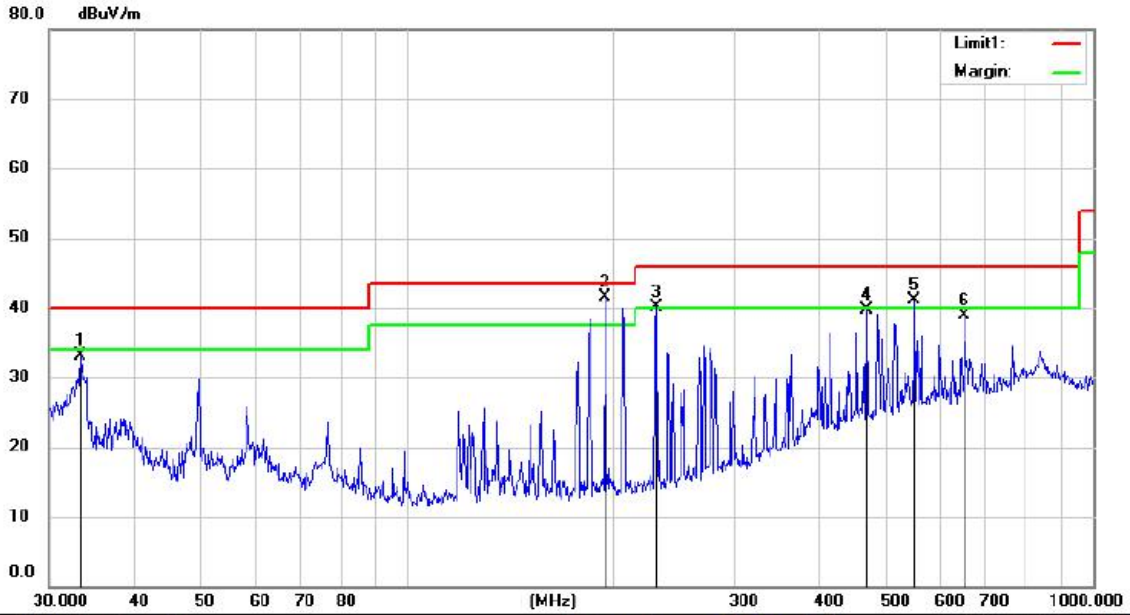
■ Spurious Emission below 1GHz(30MHz to 1GHz)

All Bluetooth (GFSK, pi/4-DQPSK, 8DPSK) modes have been tested, and the worst results has been recorded on the follow page.



Site 3m Chamber #1
 Limit: (RE)FCC PART 15 CLASS B
 Mode:BT-2402
 Note:
 Polarization: *Vertical*
 Power: AC 120V/60Hz
 Temperature: 29.5 C
 Humidity: 48 %

| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Antenna Height cm | Table Degree degree | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|-------------------------|---------------------------|---------|
| 1 | | 159.0160 | 48.68 | -13.88 | 34.80 | 43.50 | -8.70 | QP | | |
| 2 | | 174.4241 | 46.29 | -13.82 | 32.47 | 43.50 | -11.03 | QP | | |
| 3 | * | 221.0043 | 53.43 | -13.09 | 40.34 | 46.00 | -5.66 | QP | | |
| 4 | | 299.0536 | 46.31 | -9.03 | 37.28 | 46.00 | -8.72 | QP | | |
| 5 | | 411.1026 | 42.92 | -6.20 | 36.72 | 46.00 | -9.28 | QP | | |
| 6 | | 851.0353 | 34.47 | 2.85 | 37.32 | 46.00 | -8.68 | QP | | |



Site: 3m Chamber #1

Polarization: **Horizontal**

Temperature: 29.5 C

Limit: (RE)FCC PART 15 CLASS B

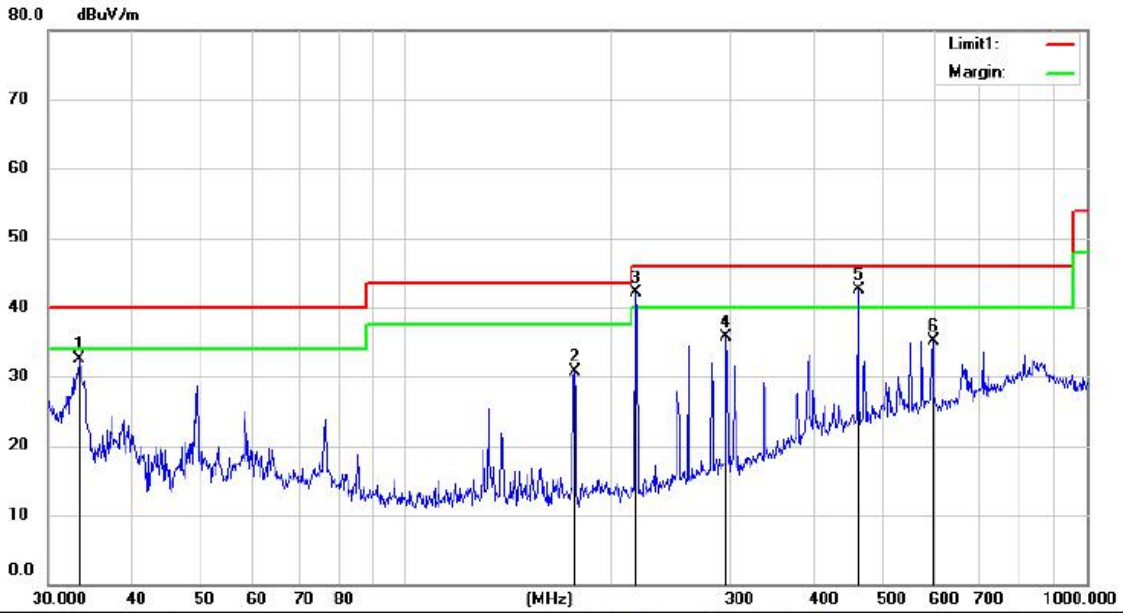
Power: AC 120V/60Hz

Humidity: 48 %

Mode: BT-2402

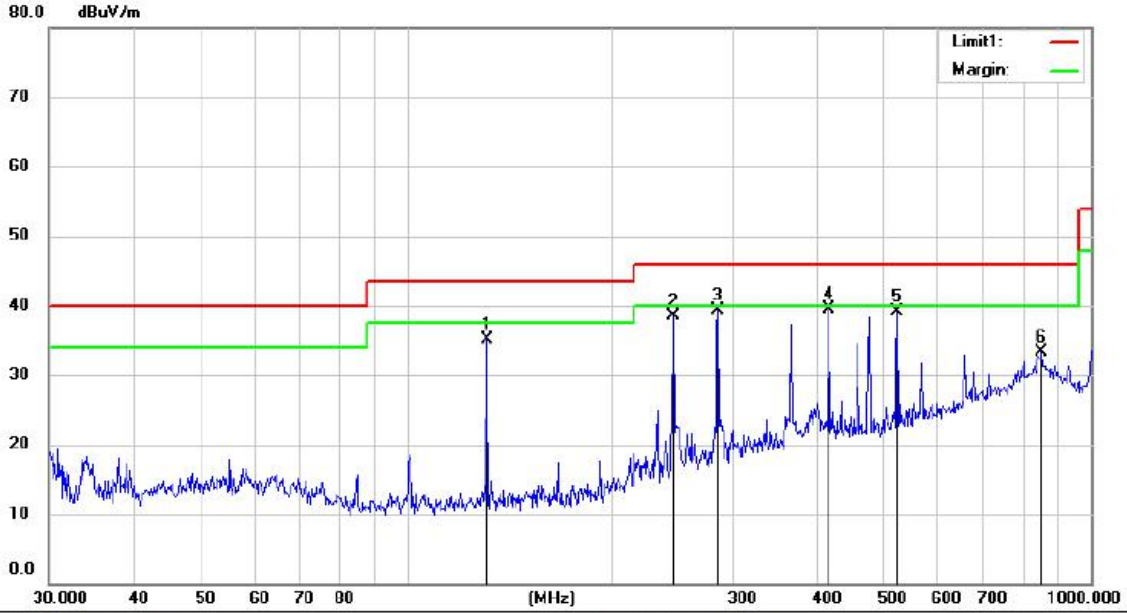
Note:

| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Antenna Height cm | Table Degree degree | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|-------------------------|---------------------------|----------|---------|
| 1 | | 33.4156 | 47.37 | -14.24 | 33.13 | 40.00 | -6.87 | | | QP | |
| 2 | * | 194.7947 | 55.07 | -13.49 | 41.58 | 43.50 | -1.92 | | | QP | |
| 3 | ! | 231.0080 | 52.74 | -12.55 | 40.19 | 46.00 | -5.81 | | | QP | |
| 4 | | 467.4398 | 45.36 | -5.71 | 39.65 | 46.00 | -6.35 | | | QP | |
| 5 | ! | 549.0195 | 45.16 | -4.07 | 41.09 | 46.00 | -4.91 | | | QP | |
| 6 | | 651.0850 | 40.64 | -1.77 | 38.87 | 46.00 | -7.13 | | | QP | |



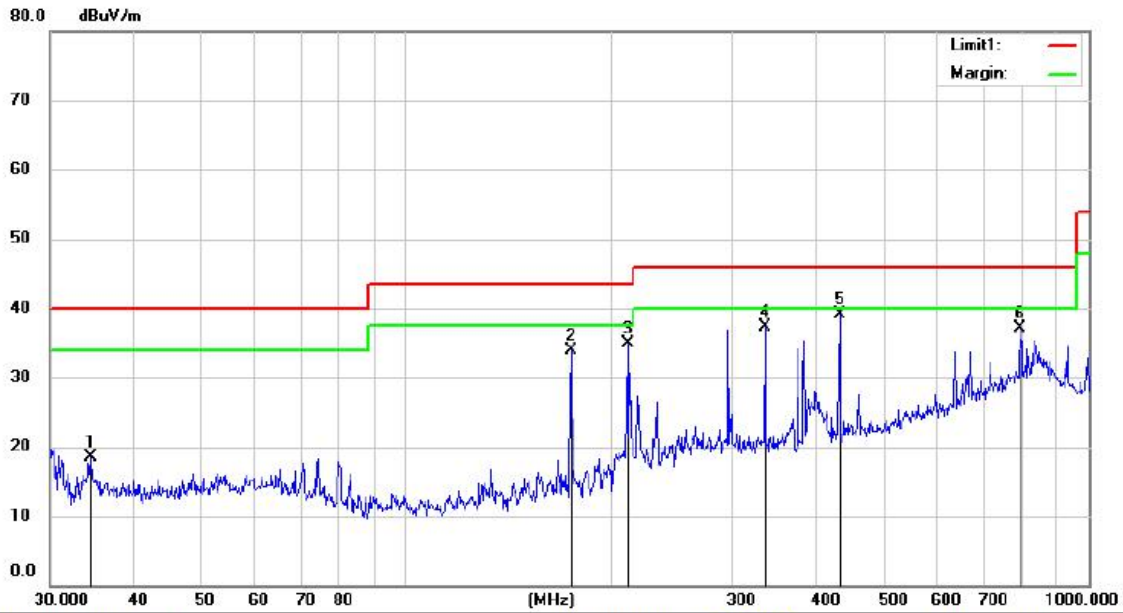
Site 3m Chamber #1 Polarization: **Horizontal** Temperature: 29.5 C
 Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 48 %
 Mode:BT-2441
 Note:

| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Antenna Height cm | Table Degree degree | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|-------------------------|---------------------------|----------|---------|
| 1 | | 33.3864 | 46.82 | -14.24 | 32.58 | 40.00 | -7.42 | | | QP | |
| 2 | | 177.5870 | 44.71 | -13.94 | 30.77 | 43.50 | -12.73 | | | QP | |
| 3 | ! | 218.9793 | 55.28 | -13.19 | 42.09 | 46.00 | -3.91 | | | QP | |
| 4 | | 297.0938 | 44.88 | -9.16 | 35.72 | 46.00 | -10.28 | | | QP | |
| 5 | * | 463.1570 | 48.40 | -5.83 | 42.57 | 46.00 | -3.43 | | | QP | |
| 6 | | 595.1330 | 38.24 | -3.08 | 35.16 | 46.00 | -10.84 | | | QP | |



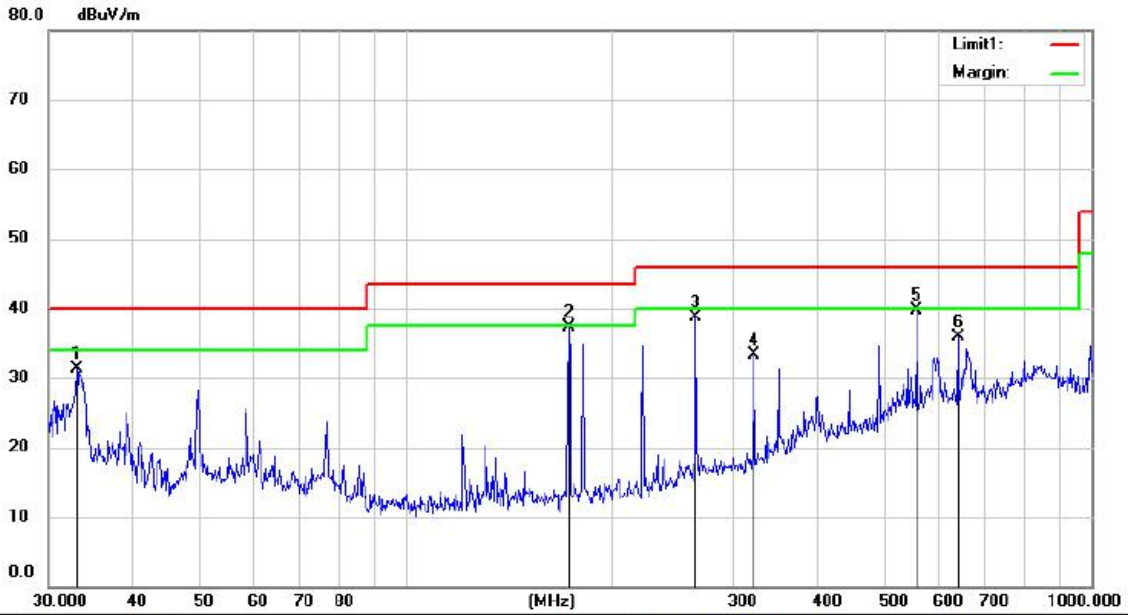
Site: 3m Chamber #1 Polarization: **Vertical** Temperature: 29.5 C
 Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 48 %
 Mode: BT-2441
 Note:

| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Antenna Height cm | Table Degree degree | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|-------------------------|---------------------------|---------|
| 1 | | 131.0091 | 49.43 | -14.23 | 35.20 | 43.50 | -8.30 | QP | | |
| 2 | | 245.1975 | 50.38 | -11.91 | 38.47 | 46.00 | -7.53 | QP | | |
| 3 | | 285.1017 | 49.09 | -9.81 | 39.28 | 46.00 | -6.72 | QP | | |
| 4 | * | 414.7223 | 45.68 | -6.16 | 39.52 | 46.00 | -6.48 | QP | | |
| 5 | | 521.1166 | 44.00 | -4.92 | 39.08 | 46.00 | -6.92 | QP | | |
| 6 | | 848.8001 | 30.45 | 2.92 | 33.37 | 46.00 | -12.63 | QP | | |



Site: 3m Chamber #1 Polarization: **Vertical** Temperature: 29.5 C
 Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 48 %
 Mode: BT-2480
 Note:

| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Antenna Height cm | Table Degree degree | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|-------------------------|---------------------------|---------|
| 1 | | 34.4115 | 32.58 | -14.02 | 18.56 | 40.00 | -21.44 | QP | | |
| 2 | | 174.4241 | 47.69 | -13.82 | 33.87 | 43.50 | -9.63 | QP | | |
| 3 | | 211.1560 | 48.29 | -13.41 | 34.88 | 43.50 | -8.62 | QP | | |
| 4 | | 335.0057 | 45.27 | -8.03 | 37.24 | 46.00 | -8.76 | QP | | |
| 5 | * | 431.0316 | 44.77 | -5.66 | 39.11 | 46.00 | -6.89 | QP | | |
| 6 | | 794.7883 | 35.26 | 1.82 | 37.08 | 46.00 | -8.92 | QP | | |



Site 3m Chamber #1 Polarization: **Horizontal** Temperature: 29.5 C
 Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 48 %
 Mode:BT-2480
 Note:

| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 33.0515 | 45.64 | -14.29 | 31.35 | 40.00 | -8.65 | QP | | |
| 2 | * | 172.9774 | 51.17 | -13.88 | 37.29 | 43.50 | -6.21 | QP | | |
| 3 | | 265.0941 | 49.49 | -10.75 | 38.74 | 46.00 | -7.26 | QP | | |
| 4 | | 322.4712 | 41.85 | -8.63 | 33.22 | 46.00 | -12.78 | QP | | |
| 5 | | 557.0185 | 43.64 | -3.86 | 39.78 | 46.00 | -6.22 | QP | | |
| 6 | | 638.9285 | 38.02 | -2.21 | 35.81 | 46.00 | -10.19 | QP | | |

9.8 CONDUCTED EMISSION TEST

9.8.1 Applicable Standard

According to FCC Part 15.207(a)

9.8.2 Conformance Limit

| 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.

9.8.3 Test Configuration

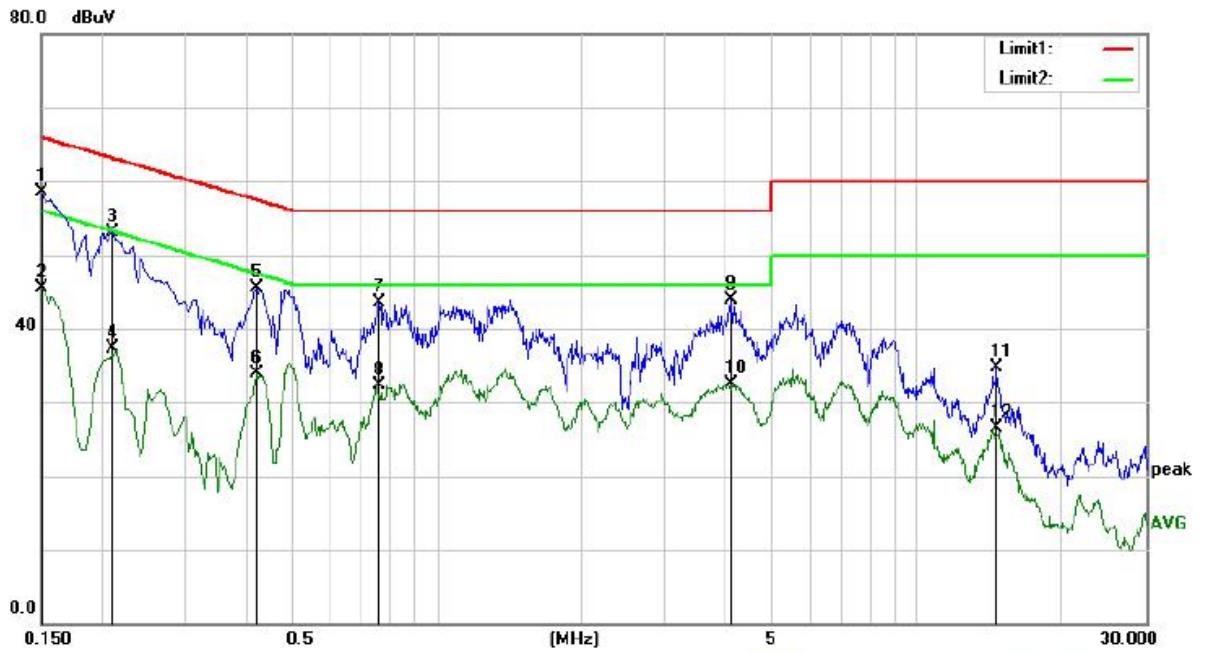
Test according to clause 7.3 conducted emission test setup

9.8.4 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.

9.8.5 Test Results

Pass



Site Conduction #2

Phase: **L1**

Temperature: 24.4

Limit: (CE)FCC PART 15 class B_QP

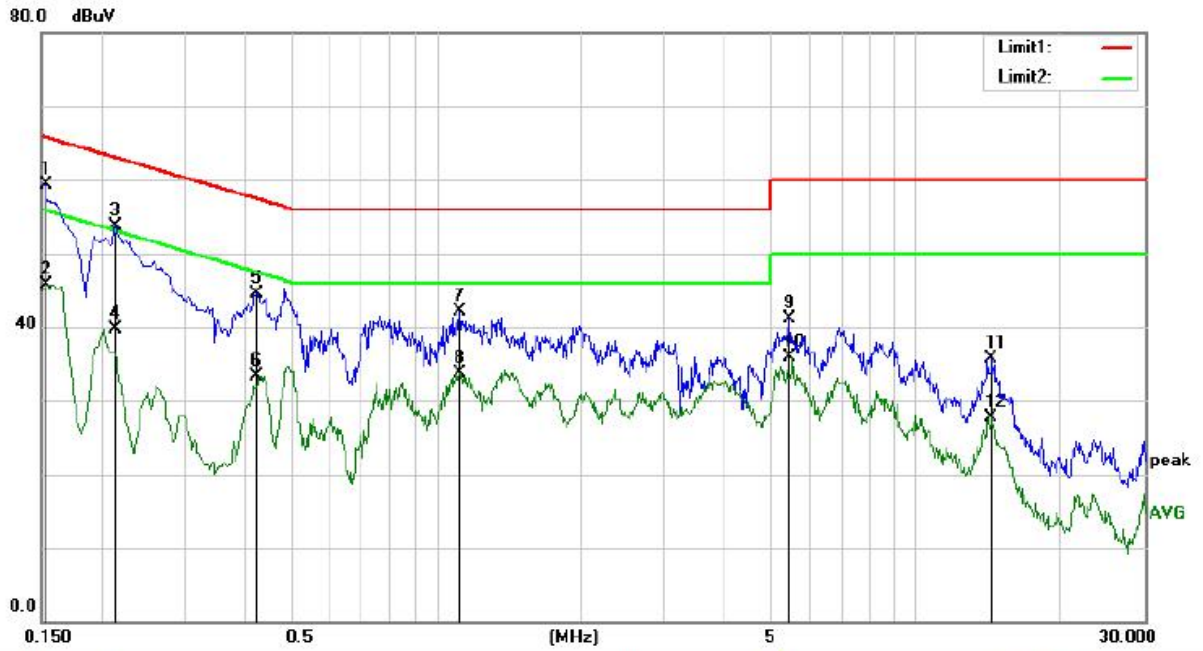
Power: AC 120V/60Hz

Humidity: 52 %

Mode: Charging by PC

Note:

| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Detector | Comment |
|-----|-----|---------|---------------|----------------|-------------|-------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV | dBuV | dB | | |
| 1 | * | 0.1500 | 48.05 | 10.48 | 58.53 | 65.91 | -7.38 | QP | |
| 2 | | 0.1500 | 35.11 | 10.48 | 45.59 | 56.00 | -10.41 | AVG | |
| 3 | | 0.2104 | 42.71 | 10.43 | 53.14 | 63.13 | -9.99 | QP | |
| 4 | | 0.2104 | 26.83 | 10.43 | 37.26 | 53.19 | -15.93 | AVG | |
| 5 | | 0.4213 | 35.04 | 10.38 | 45.42 | 57.41 | -11.99 | QP | |
| 6 | | 0.4213 | 23.43 | 10.38 | 33.81 | 47.42 | -13.61 | AVG | |
| 7 | | 0.7590 | 33.23 | 10.36 | 43.59 | 56.00 | -12.41 | QP | |
| 8 | | 0.7590 | 21.90 | 10.36 | 32.26 | 46.00 | -13.74 | AVG | |
| 9 | | 4.1135 | 33.53 | 10.45 | 43.98 | 56.00 | -12.02 | QP | |
| 10 | | 4.1135 | 21.99 | 10.45 | 32.44 | 46.00 | -13.56 | AVG | |
| 11 | | 14.6715 | 23.93 | 10.71 | 34.64 | 60.00 | -25.36 | QP | |
| 12 | | 14.6715 | 15.87 | 10.71 | 26.58 | 50.00 | -23.42 | AVG | |



Site Conduction #2

Phase: **L1**

Temperature: 24.4

Limit: (CE)FCC PART 15 class B_QP

Power: AC 120V/60Hz

Humidity: 52 %

Mode: Charging by PC

Note:

| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV | Limit dBuV | Over dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|------------|----------|---------|
| 1 | * | 0.1532 | 48.76 | 10.48 | 59.24 | 65.74 | -6.50 | QP | |
| 2 | | 0.1532 | 35.29 | 10.48 | 45.77 | 55.82 | -10.05 | AVG | |
| 3 | | 0.2140 | 43.37 | 10.43 | 53.80 | 62.99 | -9.19 | QP | |
| 4 | | 0.2140 | 29.24 | 10.43 | 39.67 | 53.05 | -13.38 | AVG | |
| 5 | | 0.4213 | 34.15 | 10.38 | 44.53 | 57.41 | -12.88 | QP | |
| 6 | | 0.4213 | 22.89 | 10.38 | 33.27 | 47.42 | -14.15 | AVG | |
| 7 | | 1.1171 | 31.73 | 10.40 | 42.13 | 56.00 | -13.87 | QP | |
| 8 | | 1.1171 | 23.27 | 10.40 | 33.67 | 46.00 | -12.33 | AVG | |
| 9 | | 5.4474 | 30.51 | 10.52 | 41.03 | 60.00 | -18.97 | QP | |
| 10 | | 5.4474 | 25.29 | 10.52 | 35.81 | 50.00 | -14.19 | AVG | |
| 11 | | 14.3640 | 25.04 | 10.71 | 35.75 | 60.00 | -24.25 | QP | |
| 12 | | 14.3640 | 16.95 | 10.71 | 27.66 | 50.00 | -22.34 | AVG | |

9.9 ANTENNA APPLICATION

9.9.1 Antenna Requirement

| Standard | Requirement |
|---------------------|--|
| FCC CRF Part 15.203 | An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded. |

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

9.9.2 Result

PASS.

The EUT is LDS Antenna for BT, the gain is 1.85dBi.

- Note:
- Antenna use a permanently attached antenna which is not replaceable.
 - Not using a standard antenna jack or electrical connector for antenna replacement
 - The antenna has to be professionally installed (please provide method of installation)

which in accordance to section 15.203, please refer to the internal photos.

*** End of Report ***