

## 7 Emissions in Restricted Frequency Bands

### 7.1 Test Result

| Test Description                        | Test Specification          |                                     | Test Result |
|-----------------------------------------|-----------------------------|-------------------------------------|-------------|
| Emissions in Restricted Frequency Bands | 15.247(d)<br>15.205, 15.209 | RSS-247 S5.5<br>RSS-GEN S8.9, S8.10 | Compliant   |

### 7.2 Test Method

Radiated emissions in restricted frequency bands were measured using methods defined in ANSI C63.10 clause 11.12. These procedures are referenced in KDB 558074 D01 15.247 Meas Guidance v05r02.

Lowest, middle and highest channels were investigated – the device was commanded to continuously transmit on channels 0, 19 and 39.

Test distances for radiated tests:

30 to 1000 MHz - The EUT to measurement antenna distance was 3 meters

1 to 18 GHz - The EUT to measurement antenna distance was 3 meters

18 to 26 GHz - The EUT to measurement antenna distance was 1 meter

Limits within restricted bands of operation:

| Frequency      | Limits <sup>(1)</sup> |                     | Peak Limits<br>dBuV/m |
|----------------|-----------------------|---------------------|-----------------------|
|                | Microvolts/m          | dBuV/m              |                       |
| 30 - 88 MHz    | 100                   | 40 <sup>(2)</sup>   | --                    |
| 88 - 216 MHz   | 150                   | 43.5 <sup>(2)</sup> | --                    |
| 216 - 960 MHz  | 200                   | 46 <sup>(2)</sup>   | --                    |
| 960 - 1000 MHz | 500                   | 54 <sup>(2)</sup>   | --                    |
| 1 - 40 GHz     | 500                   | 54 <sup>(3)</sup>   | 74                    |

(1) These limits are applicable to emissions outside of the intentional transmit frequency band.

(2) Quasi-peak limit

(3) Average limit

### 7.3 Test Site

3m Absorber Lined Shielded Enclosure (ALSE), Suwanee, GA

Left Insole

|                          |            |           |           |
|--------------------------|------------|-----------|-----------|
| Environmental Conditions | 30-1000MHz | 1-18GHz   | 18-26GHz  |
| Temperature:             | 21.99 °C   | 23 °C     | 22.76 °C  |
| Relative Humidity:       | 28.7 %     | 33.88 %   | 54.3 %    |
| Atmospheric Pressure:    | 97.45 kPa  | 97.47 kPa | 97.46 kPa |

Right Insole

|                          |            |           |           |
|--------------------------|------------|-----------|-----------|
| Environmental Conditions | 30-1000MHz | 1-18GHz   | 18-26GHz  |
| Temperature:             | 22.53 °C   | 23.58 °C  | 22.53 °C  |
| Relative Humidity:       | 60.5 %     | 56.2 %    | 60.5 %    |
| Atmospheric Pressure:    | 97.56 kPa  | 97.54 kPa | 97.56 kPa |

## 7.4 Test Equipment

### Left Insole

30-1000MHz

Test End Date: 26-Dec-2024

Tester: SGM

| Equipment                   | Model           | Manufacturer             | Asset Number | Cal Date    | Cal Due Date |
|-----------------------------|-----------------|--------------------------|--------------|-------------|--------------|
| ANTENNA, BILOG              | JB6             | SUNOL                    | B079689      | 16-May-2024 | 16-May-2026  |
| N to N RF Cable             | EM-B810NM-276   | ECHELON                  | 24022        | 15-Nov-2024 | 15-Nov-2025  |
| N-FEMALE TO N-MALE RF CABLE | EM-B810NMNF-118 | ECHELON                  | 23010        | 17-Apr-2024 | 17-Apr-2025  |
| RF CABLE, NM TO NM.         | 90-195-157      | TELEDYNE STORM MICROWAVE | 21019        | 20-Mar-2024 | 20-Mar-2025  |
| RF CABLE                    | SF106           | HUBER & SUHNER           | B085888      | 7-Aug-2024  | 7-Aug-2025   |
| LOW NOISE AMPLIFIER         | TS-PR18         | ROHDE & SCHWARZ          | 15003        | 8-Oct-2024  | 8-Oct-2025   |
| EMI TEST RECEIVER           | ESW44           | ROHDE & SCHWARZ          | 22027        | 14-Nov-2024 | 14-Nov-2025  |

1-18GHz

Test End Date: 24-Dec-2024

Tester: SGM

| Equipment                   | Model           | Manufacturer             | Asset Number | Cal Date    | Cal Due Date |
|-----------------------------|-----------------|--------------------------|--------------|-------------|--------------|
| ANTENNA, BILOG              | JB6             | SUNOL                    | B079689      | 16-May-2024 | 16-May-2026  |
| N to N RF Cable             | EM-B810NM-276   | ECHELON                  | 24022        | 15-Nov-2024 | 15-Nov-2025  |
| N-FEMALE TO N-MALE RF CABLE | EM-B810NMNF-118 | ECHELON                  | 23010        | 17-Apr-2024 | 17-Apr-2025  |
| RF CABLE, NM TO NM.         | 90-195-157      | TELEDYNE STORM MICROWAVE | 21019        | 20-Mar-2024 | 20-Mar-2025  |
| RF CABLE                    | SF106           | HUBER & SUHNER           | B085888      | 7-Aug-2024  | 7-Aug-2025   |
| LOW NOISE AMPLIFIER         | ZKL-2+          | MINI-CIRCUITS            | B079817      | 7-Aug-2024  | 7-Aug-2025   |
| EMI TEST RECEIVER           | ESW44           | ROHDE & SCHWARZ          | 22027        | 14-Nov-2024 | 14-Nov-2025  |

18-26GHz

Test End Date: 24-Dec-2024

Tester: LM

| Equipment                           | Model               | Manufacturer     | Asset   | Cal Date    | Cal Due Date |
|-------------------------------------|---------------------|------------------|---------|-------------|--------------|
| ANTENNA, DRG HORN (SMALL)           | 3116B               | ETS LINDGREN     | B079695 | 2-Aug-2024  | 2-Aug-2026   |
| SMA to SMA RF Cable                 | NC12-K1K1-138       | MEGAPHASE        | 22002   | 6-Feb-2024  | 6-Feb-2025   |
| 2.92MM MALE TO 2.92MM MALE RF CABLE | HULL140A-29P-29P-60 | HASCO COMPONENTS | 18033   | 20-Mar-2024 | 20-Mar-2025  |
| LOW NOISE AMPLIFIER                 | NSP1840-HG          | MITEQ            | B087572 | 21-Oct-2024 | 21-Oct-2025  |
| EMI TEST RECEIVER                   | ESW44               | ROHDE & SCHWARZ  | 22027   | 14-Nov-2024 | 14-Nov-2025  |

Software: "RSE 30-1000 MHz T7 220318" TILE 7 profile dated 18 Mar 2022  
"RSE 1-18 GHz T7 210212" TILE 7 profile dated 12 Feb 2021  
"RSE 18-26 GHz T7 240607" TILE 7 profile dated 07 June 2024

### Right Insole

#### 30-1000MHz

Test End Date: 10-Jun-2025

Tester: ZH

| Equipment                      | Model                | Manufacturer    | Asset   | Cal Date    | Cal Due Date |
|--------------------------------|----------------------|-----------------|---------|-------------|--------------|
| ANTENNA, BILOG                 | JB6                  | SUNOL           | B079689 | 16-May-2024 | 16-May-2026  |
| N to N RF Cable                | EM-B810NM-276        | ECHOLON         | 24022   | 15-Nov-2024 | 15-Nov-2025  |
| N-FEMALE TO N-MALE<br>RF CABLE | EM-B810NMNF-118      | ECHOLON         | 23010   | 4-Apr-2025  | 4-Apr-2026   |
| N to N RF Cable                | RF280-06SP-06SP-2000 | SAMTEC          | 23012   | 5-May-2025  | 5-May-2026   |
| RF CABLE                       | SF106                | HUBER & SUHNER  | B085888 | 7-Aug-2024  | 7-Aug-2025   |
| LOW NOISE AMPLIFIER            | ZKL-2+               | MINI-CIRCUITS   | B079817 | 7-Aug-2024  | 7-Aug-2025   |
| EMI TEST RECEIVER              | ESW44                | ROHDE & SCHWARZ | 22027   | 14-Nov-2024 | 14-Nov-2025  |

#### 1-18GHz

Test End Date: 5-Jun-2025

Tester: ZH

| Equipment                      | Model         | Manufacturer    | Asset   | Cal Date    | Cal Due Date |
|--------------------------------|---------------|-----------------|---------|-------------|--------------|
| ANTENNA, DRG HORN<br>(MEDIUM)  | 3117          | ETS LINDGREN    | B079691 | 2-Aug-2024  | 2-Aug-2026   |
| N to N RF Cable                | EM-B810NM-276 | ECHOLON         | 24022   | 15-Nov-2024 | 15-Nov-2025  |
| RF CABLE                       | SF106         | HUBER & SUHNER  | B085888 | 7-Aug-2024  | 7-Aug-2025   |
| LOW NOISE AMPLIFIER            | TS-PR18       | ROHDE & SCHWARZ | B094463 | 5-Jul-2024  | 5-Jul-2025   |
| EMI TEST RECEIVER              | ESW44         | ROHDE & SCHWARZ | 22027   | 14-Nov-2024 | 14-Nov-2025  |
| FILTER, HIGH PASS,<br>>2800MHZ | HPM50111      | MICRO-TRONICS   | 22017   | 14-Jun-2024 | 14-Jun-2025  |

#### 18-26GHz

Test End Date: 10-Jun-2025

Tester: ZH

| Equipment                    | Model               | Manufacturer     | Asset   | Cal Date    | Cal Due Date |
|------------------------------|---------------------|------------------|---------|-------------|--------------|
| ANTENNA, DRG HORN<br>(SMALL) | 3116B               | ETS LINDGREN     | B079695 | 2-Aug-2024  | 2-Aug-2026   |
| SMA to SMA RF Cable          | NC12-K1K1-138       | MEGAPHASE        | 22002   | 3-Apr-2025  | 3-Apr-2026   |
| RF CABLE SMA                 | HULL150A-29P-29P-36 | HASCO COMPONENTS | 19101   | 3-Apr-2025  | 3-Apr-2026   |
| LOW NOISE AMPLIFIER          | NSP1840-HG          | MITEQ            | B087572 | 21-Oct-2024 | 21-Oct-2025  |
| EMI TEST RECEIVER            | ESW44               | ROHDE & SCHWARZ  | 22027   | 14-Nov-2024 | 14-Nov-2025  |

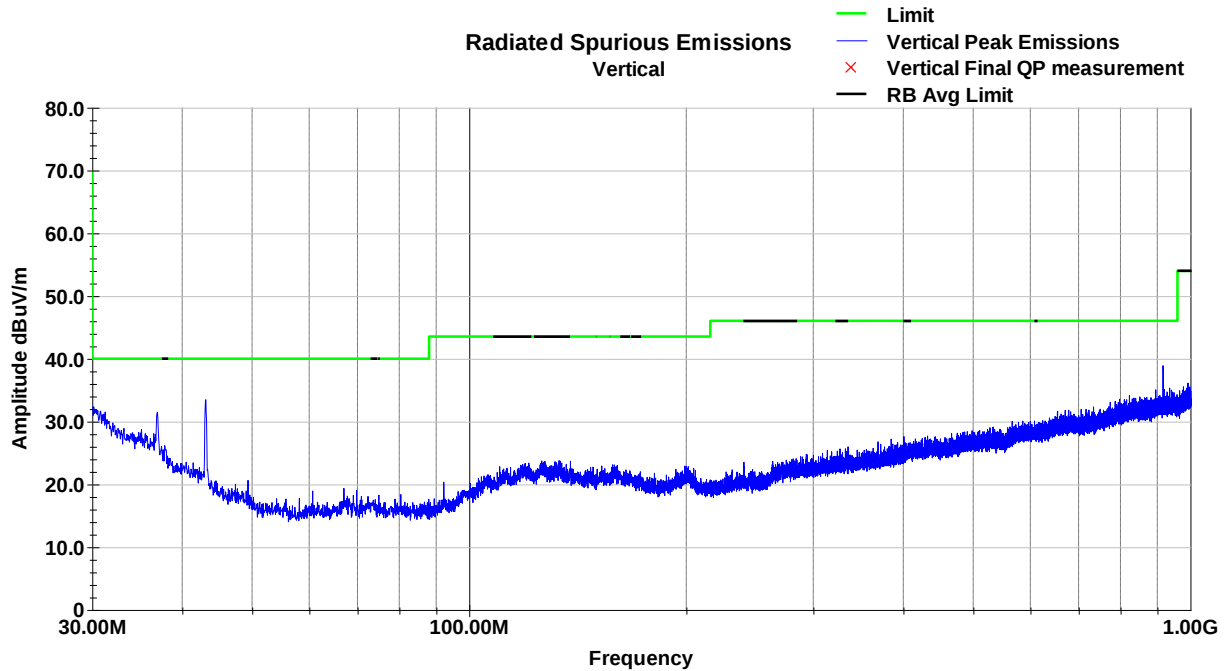
Software: "RSE 30-1000 MHz T7 240701" TILE 7 profile dated 01 July 2024  
"RSE 1-18 GHz T7 210212" TILE 7 profile dated 12 Feb 2021  
"RSE 18-26 GHz T7 210212" TILE 7 profile dated 12 Feb 2021

## 7.5 Test Data – Left Insole

### 7.5.1 30-1000 MHz

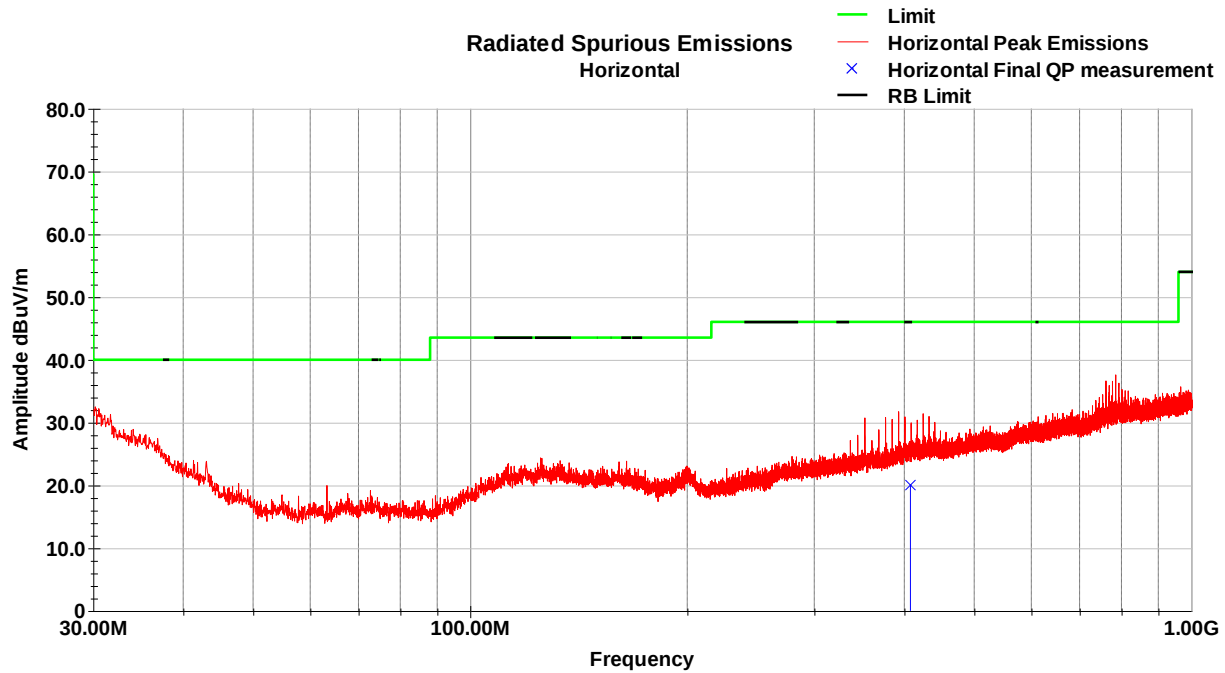
No significant deviation based on axis or channel in the 30-1000MHz range – worst case shown.

30-1000 MHz Vertical Mid Channel - Plot



Emissions do not fall in restricted bands.

### 30-1000 MHz Horizontal Mid Channel - Plot

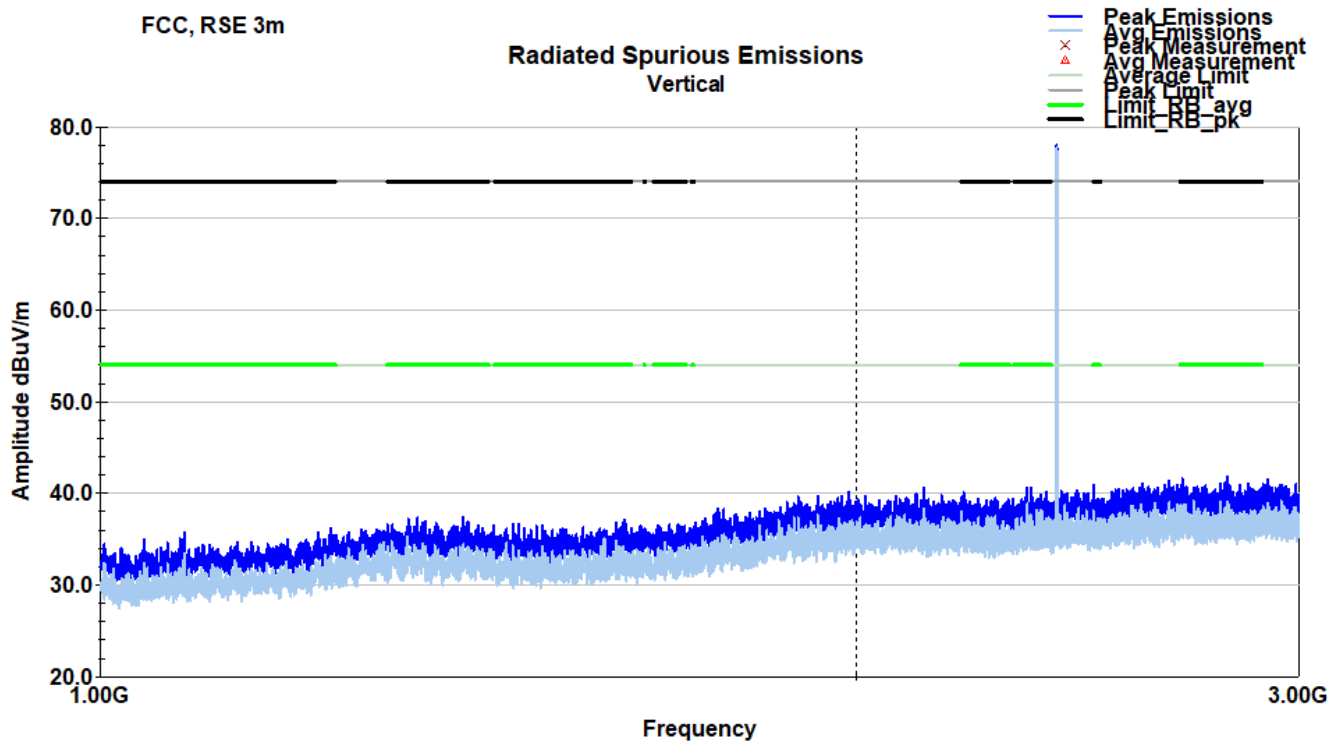


### 30-1000 MHz Horizontal Mid Channel – Tabular Data

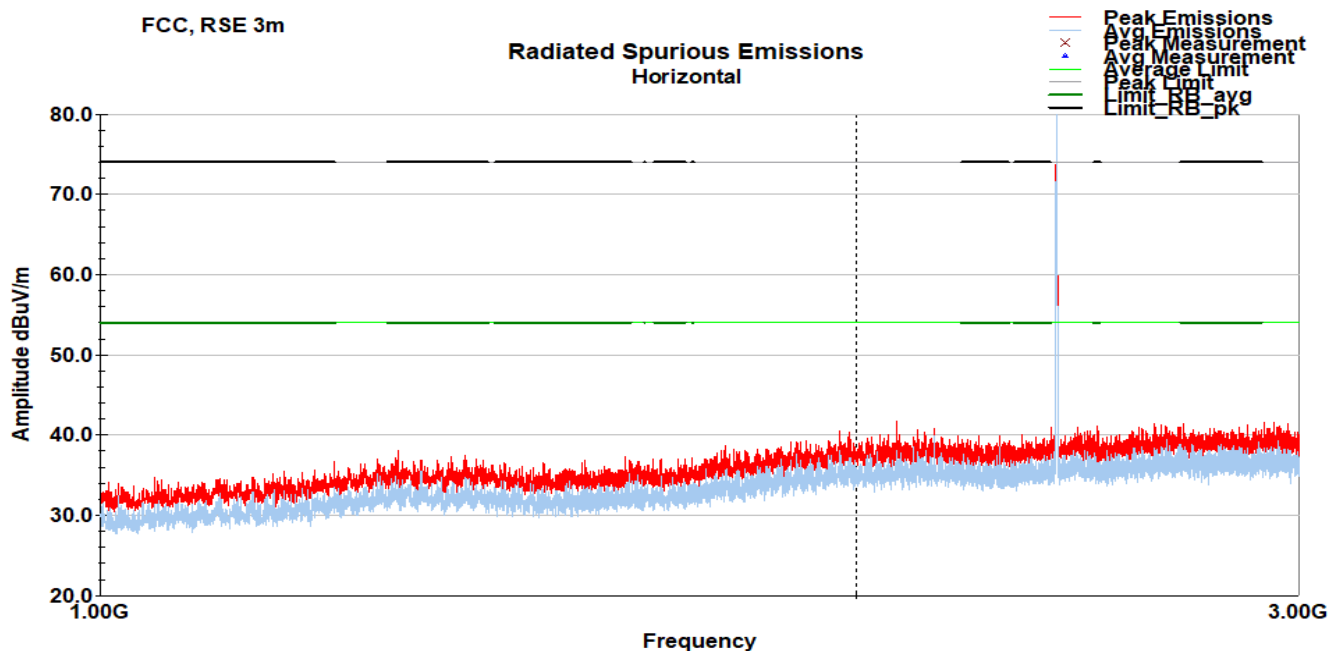
| Frequency<br>MHz                    | Raw QP<br>(dBuV) | Polarity<br>(V/H) | Azimuth<br>(degrees) | Height<br>(cm) | AF<br>(dB/m) | Loss<br>(dB) | Amp<br>(dB) | QP Value<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) |
|-------------------------------------|------------------|-------------------|----------------------|----------------|--------------|--------------|-------------|----------------------|-------------------|----------------|
| 407.90                              | 27.7             | H                 | 83.0                 | 111.0          | 20.5         | 1.8          | 30.0        | 20.1                 | 46.0              | -25.9          |
|                                     |                  |                   |                      |                |              |              |             |                      |                   |                |
| QP Value = Raw QP + AF + Loss - Amp |                  |                   |                      |                |              |              |             |                      |                   |                |
| Margin = QP Value - Limit           |                  |                   |                      |                |              |              |             |                      |                   |                |

## 7.5.2 1-18 GHz

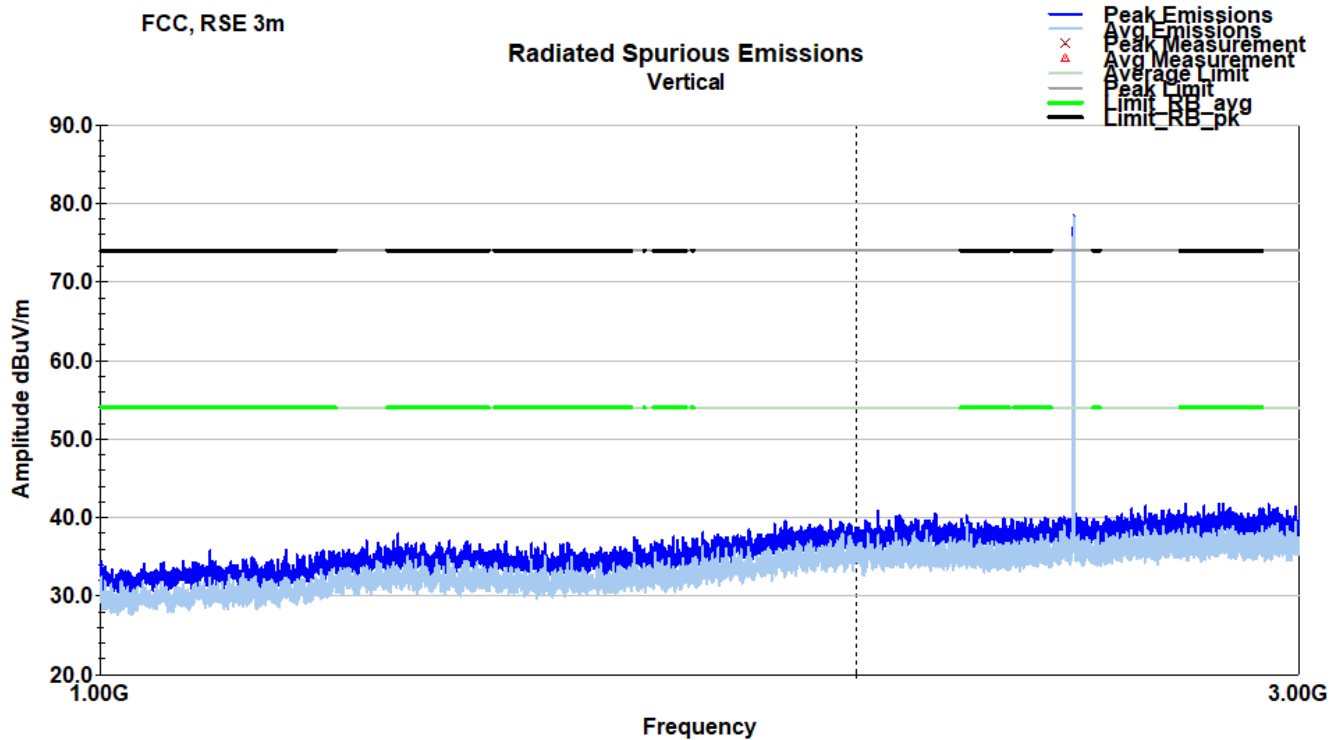
### 1-3GHz Vertical Low Channel - Plot



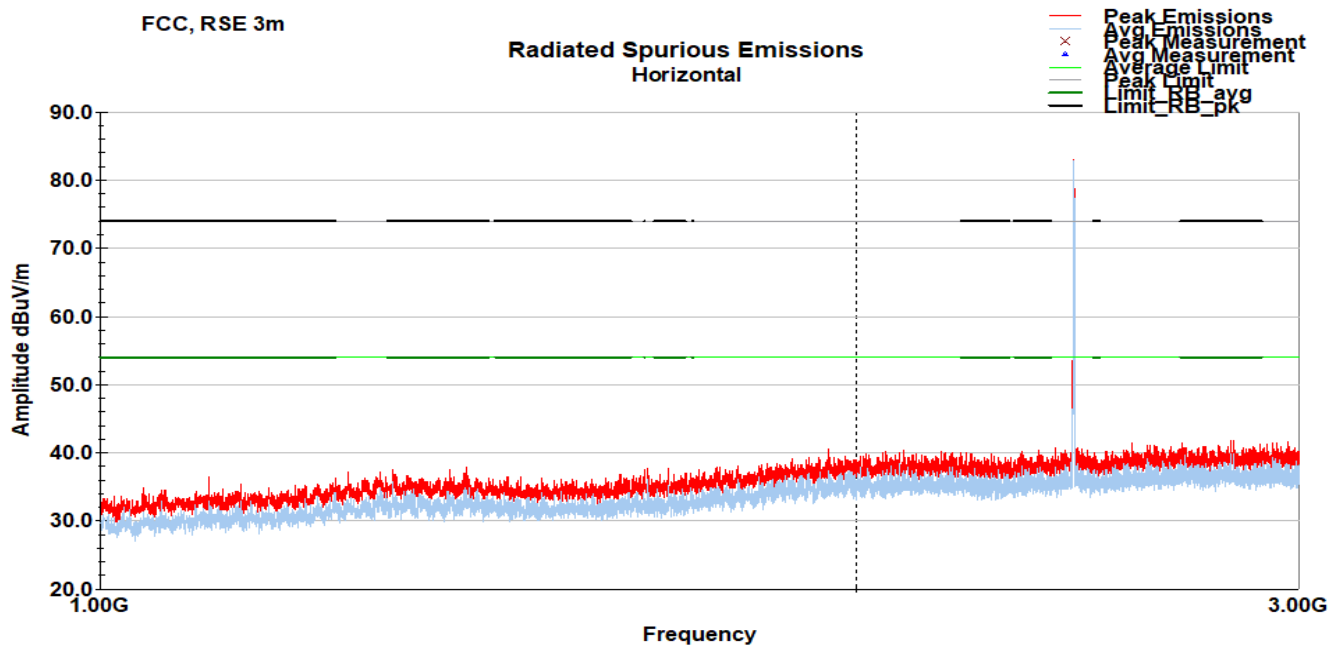
### 1- 3GHz Horizontal Low Channel – Plot



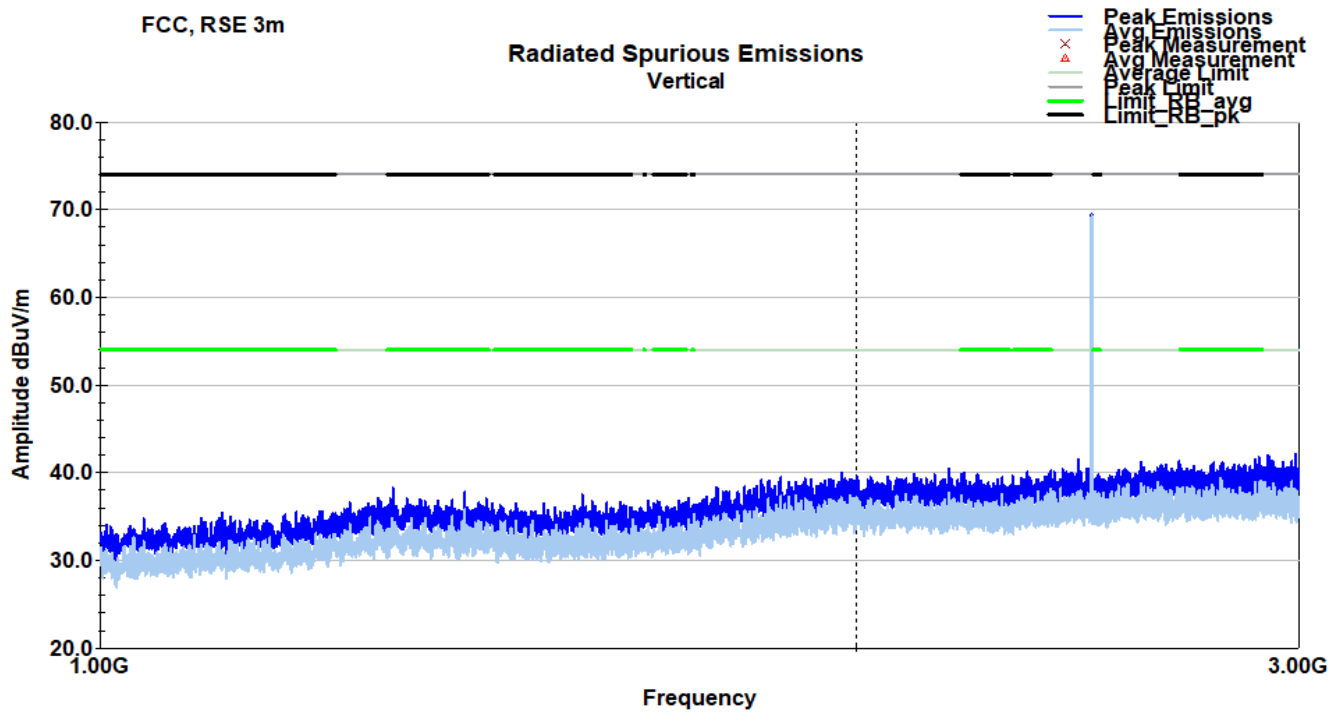
### 1-3GHz Vertical Mid Channel - Plot



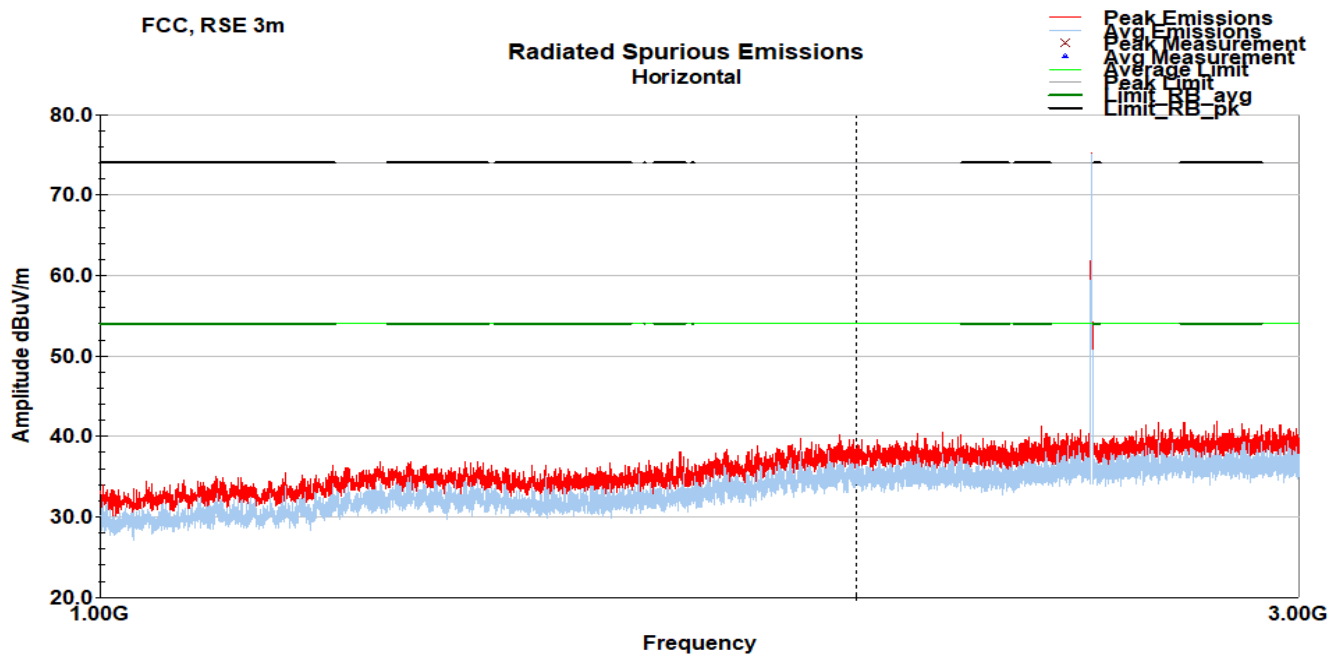
### 1-3GHz Horizontal Mid Channel - Plot



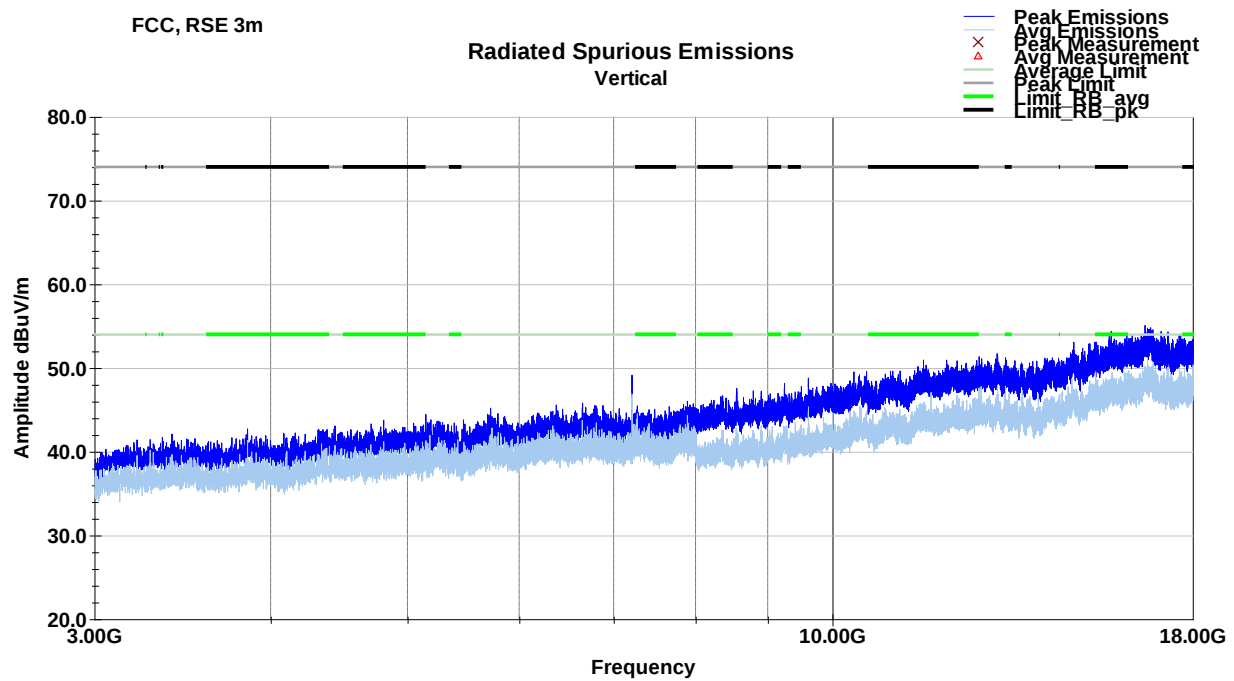
### 1-3GHz Vertical High Channel - Plot



### 1-3GHz Horizontal High Channel – Plot

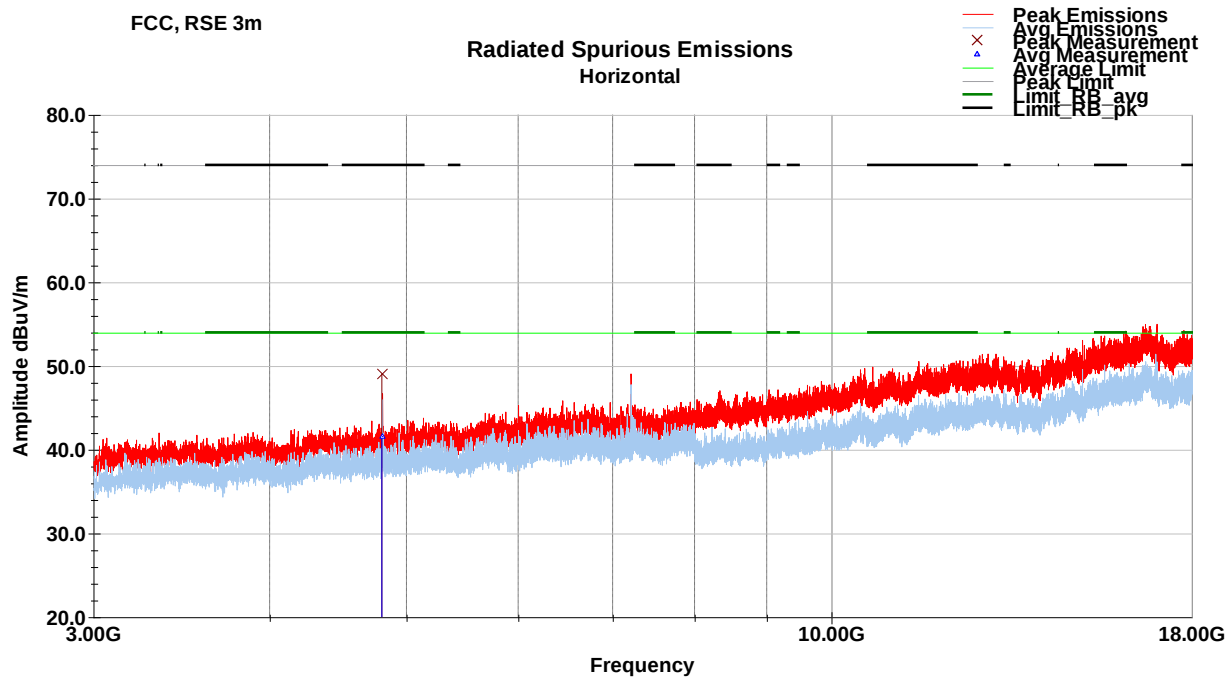


### 3-18GHz Vertical Low Channel - Plot



Emissions do not fall in restricted bands.

### 3-18GHz Horizontal Low Channel - Plot



### 3-18GHz Horizontal Low Channel – Tabular Data

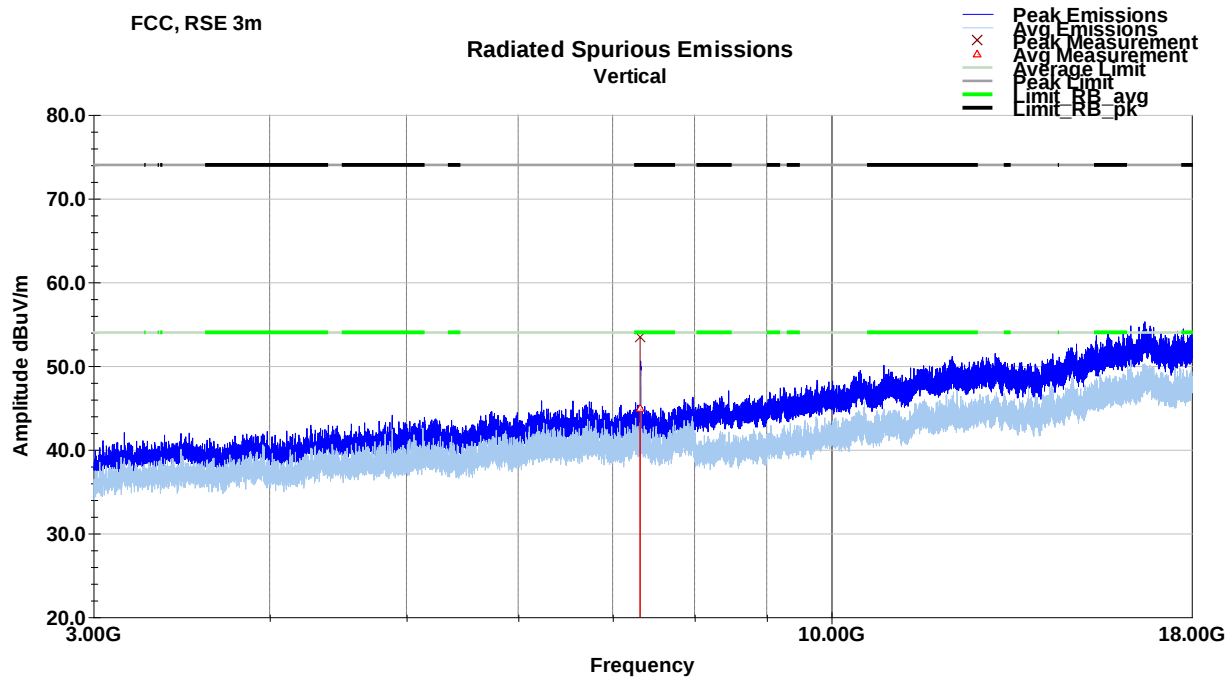
#### Peak

| Frequency<br>MHz                    | Raw Pk<br>dBuV | Polarity<br>(V/H) | Azimuth<br>(degrees) | Height<br>(cm) | AF<br>(dB/m) | Loss<br>(dB) | Amp<br>(dB) | Final Pk<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB |
|-------------------------------------|----------------|-------------------|----------------------|----------------|--------------|--------------|-------------|--------------------|-----------------|--------------|
| 4803.78                             | 54.0           | H                 | 357.0                | 168.0          | 34.0         | 3.1          | 42.0        | 49.1               | 74.0            | -24.9        |
|                                     |                |                   |                      |                |              |              |             |                    |                 |              |
| Final Pk = Raw Pk + AF + Loss - Amp |                |                   |                      |                |              |              |             |                    |                 |              |
| Margin = Final Pk - Limit           |                |                   |                      |                |              |              |             |                    |                 |              |

#### Avg

| Frequency<br>MHz                      | Raw Avg<br>dBuV | Polarity<br>(V/H) | Azimuth<br>(degrees) | Height<br>(cm) | AF<br>(dB/m) | Loss<br>(dB) | Amp<br>(dB) | Avg Value<br>dBuV/m | Limit<br>(dBuV/m) | Margin<br>(dB) |
|---------------------------------------|-----------------|-------------------|----------------------|----------------|--------------|--------------|-------------|---------------------|-------------------|----------------|
| 4803.78                               | 46.6            | H                 | 357.0                | 168.0          | 34.0         | 3.1          | 42.0        | 41.6                | 54.0              | -12.3          |
|                                       |                 |                   |                      |                |              |              |             |                     |                   |                |
| Final Avg = Raw Avg + AF + Loss - Amp |                 |                   |                      |                |              |              |             |                     |                   |                |
| Margin = Final Avg - Limit            |                 |                   |                      |                |              |              |             |                     |                   |                |

### 3-18GHz Vertical Mid Channel - Plot



### 3-18GHz Vertical Mid Channel – Tabular Data

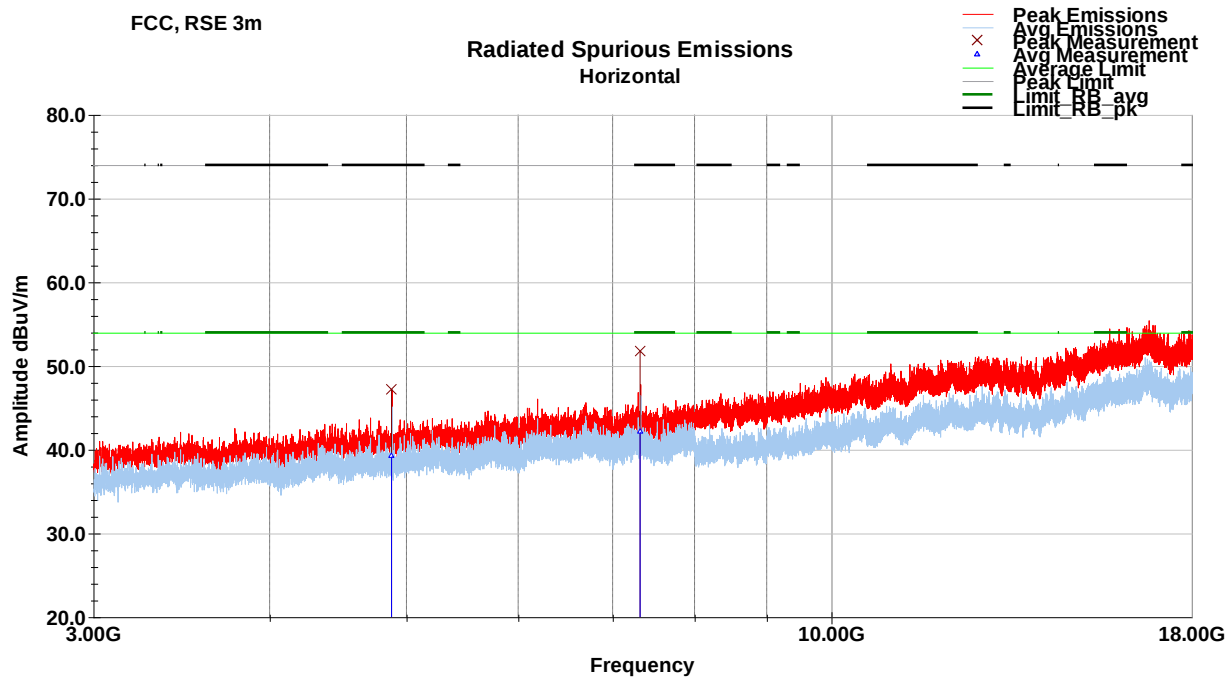
#### Peak

| Frequency<br>MHz                    | Raw Pk<br>dBuV | Polarity<br>(V/H) | Azimuth<br>(degrees) | Height<br>(cm) | AF<br>(dB/m) | Loss<br>(dB) | Amp<br>(dB) | Final Pk<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB |
|-------------------------------------|----------------|-------------------|----------------------|----------------|--------------|--------------|-------------|--------------------|-----------------|--------------|
| 7320.50                             | 56.1           | V                 | 356.0                | 103.0          | 35.7         | 3.6          | 41.9        | 53.4               | 74.0            | -20.6        |
|                                     |                |                   |                      |                |              |              |             |                    |                 |              |
| Final Pk = Raw Pk + AF + Loss - Amp |                |                   |                      |                |              |              |             |                    |                 |              |
| Margin = Final Pk - Limit           |                |                   |                      |                |              |              |             |                    |                 |              |

#### Avg

| Frequency<br>MHz                      | Raw Avg<br>dBuV | Polarity<br>(V/H) | Azimuth<br>(degrees) | Height<br>(cm) | AF<br>(dB/m) | Loss<br>(dB) | Amp<br>(dB) | Final Avg<br>dBuV/m | Limit<br>(dBuV/m) | Margin<br>(dB) |
|---------------------------------------|-----------------|-------------------|----------------------|----------------|--------------|--------------|-------------|---------------------|-------------------|----------------|
| 7320.50                               | 47.6            | V                 | 356.0                | 103.0          | 35.7         | 3.6          | 41.9        | 44.9                | 54.0              | -9.1           |
|                                       |                 |                   |                      |                |              |              |             |                     |                   |                |
| Final Avg = Raw Avg + AF + Loss - Amp |                 |                   |                      |                |              |              |             |                     |                   |                |
| Margin = Final Avg - Limit            |                 |                   |                      |                |              |              |             |                     |                   |                |

### 3-18GHz Horizontal Mid Channel - Plot



### 3-18GHz Horizontal Mid Channel – Tabular Data

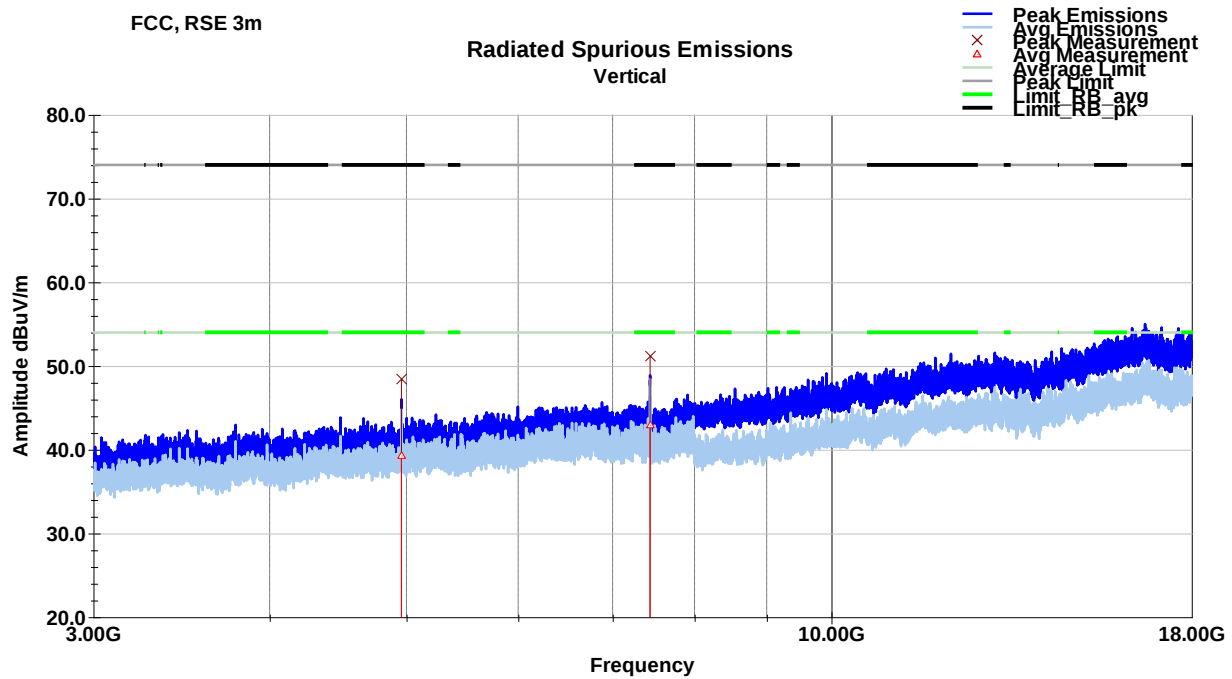
#### Peak

| Frequency<br>MHz                    | Raw Pk<br>dBuV | Polarity<br>(V/H) | Azimuth<br>(degrees) | Height<br>(cm) | AF<br>(dB/m) | Loss<br>(dB) | Amp<br>(dB) | Final Pk<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB |
|-------------------------------------|----------------|-------------------|----------------------|----------------|--------------|--------------|-------------|--------------------|-----------------|--------------|
| 4880.04                             | 52.4           | H                 | 12.0                 | 171.0          | 34.1         | 2.8          | 42.1        | 47.2               | 74.0            | -26.8        |
| 7320.76                             | 54.4           | H                 | 346.0                | 144.0          | 35.7         | 3.6          | 41.9        | 51.7               | 74.0            | -22.3        |
|                                     |                |                   |                      |                |              |              |             |                    |                 |              |
| Final Pk = Raw Pk + AF + Loss - Amp |                |                   |                      |                |              |              |             |                    |                 |              |
| Margin = Final Pk - Limit           |                |                   |                      |                |              |              |             |                    |                 |              |

#### Avg

| Frequency<br>MHz                      | Raw Avg<br>dBuV | Polarity<br>(V/H) | Azimuth<br>(degrees) | Height<br>(cm) | AF<br>(dB/m) | Loss<br>(dB) | Amp<br>(dB) | Avg Value<br>dBuV/m | Limit<br>(dBuV/m) | Margin<br>(dB) |
|---------------------------------------|-----------------|-------------------|----------------------|----------------|--------------|--------------|-------------|---------------------|-------------------|----------------|
| 4880.04                               | 44.4            | H                 | 12.0                 | 171.0          | 34.1         | 2.8          | 42.1        | 39.3                | 54.0              | -14.7          |
| 7320.76                               | 44.8            | H                 | 346.0                | 144.0          | 35.7         | 3.6          | 41.9        | 42.1                | 54.0              | -11.9          |
|                                       |                 |                   |                      |                |              |              |             |                     |                   |                |
| Final Avg = Raw Avg + AF + Loss - Amp |                 |                   |                      |                |              |              |             |                     |                   |                |
| Margin = Final Avg - Limit            |                 |                   |                      |                |              |              |             |                     |                   |                |

## Vertical High Channel - Plot



## 3-18GHz Vertical High Channel – Tabular Data

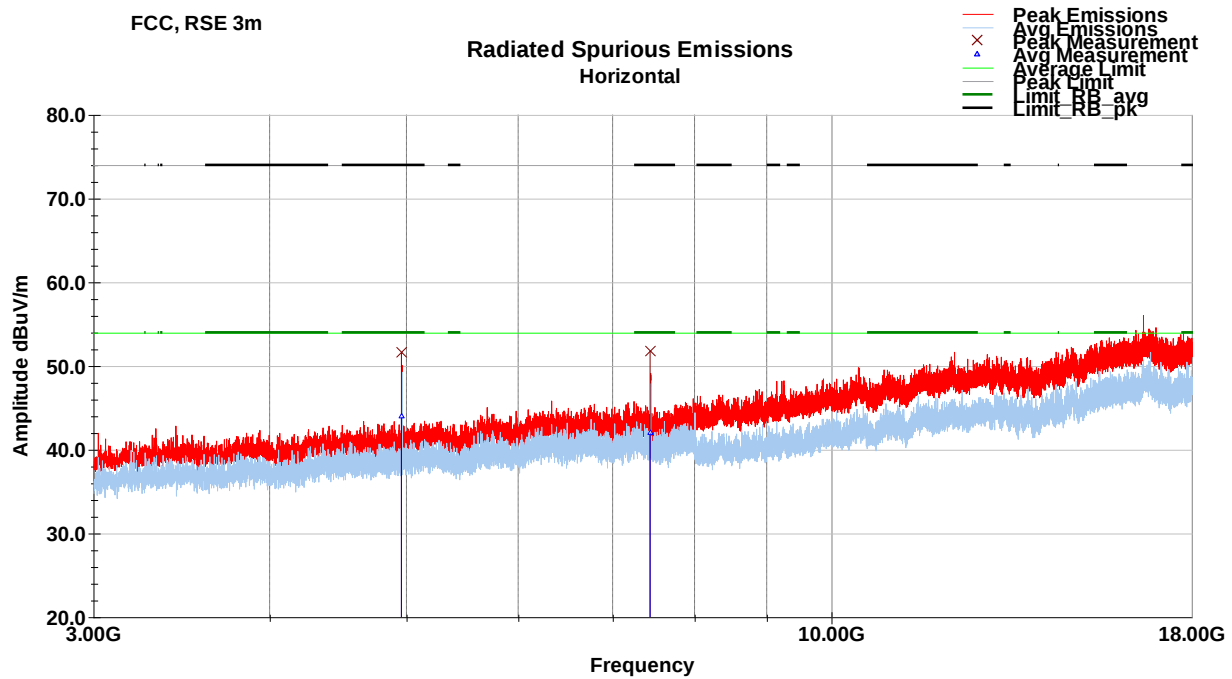
### Peak

| Frequency<br>MHz                    | Raw Pk<br>dBuV | Polarity<br>(V/H) | Azimuth<br>(degrees) | Height<br>(cm) | AF<br>(dB/m) | Loss<br>(dB) | Amp<br>(dB) | Final Pk<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB |
|-------------------------------------|----------------|-------------------|----------------------|----------------|--------------|--------------|-------------|--------------------|-----------------|--------------|
| 4959.44                             | 56.5           | H                 | 176.0                | 110.0          | 34.1         | 3.0          | 41.9        | 51.6               | 74.0            | -22.4        |
| 7440.92                             | 54.8           | H                 | 351.0                | 159.0          | 35.7         | 3.5          | 42.2        | 51.8               | 74.0            | -22.2        |
|                                     |                |                   |                      |                |              |              |             |                    |                 |              |
| Final Pk = Raw Pk + AF + Loss - Amp |                |                   |                      |                |              |              |             |                    |                 |              |
| Margin = Final Pk - Limit           |                |                   |                      |                |              |              |             |                    |                 |              |

### Avg

| Frequency<br>MHz                      | Raw Avg<br>dBuV | Polarity<br>(V/H) | Azimuth<br>(degrees) | Height<br>(cm) | AF<br>(dB/m) | Loss<br>(dB) | Amp<br>(dB) | Avg Value<br>dBuV/m | Limit<br>(dBuV/m) | Margin<br>(dB) |
|---------------------------------------|-----------------|-------------------|----------------------|----------------|--------------|--------------|-------------|---------------------|-------------------|----------------|
| 4959.44                               | 48.9            | H                 | 176.0                | 110.0          | 34.1         | 3.0          | 41.9        | 43.9                | 54.0              | -10.0          |
| 7440.92                               | 45.0            | H                 | 351.0                | 159.0          | 35.7         | 3.5          | 42.2        | 42.0                | 54.0              | -11.9          |
|                                       |                 |                   |                      |                |              |              |             |                     |                   |                |
| Final Avg = Raw Avg + AF + Loss - Amp |                 |                   |                      |                |              |              |             |                     |                   |                |
| Margin = Final Avg - Limit            |                 |                   |                      |                |              |              |             |                     |                   |                |

### 3-18GHz Horizontal High Channel - Plot



### 3-18GHz Horizontal High Channel – Tabular Data

#### Peak

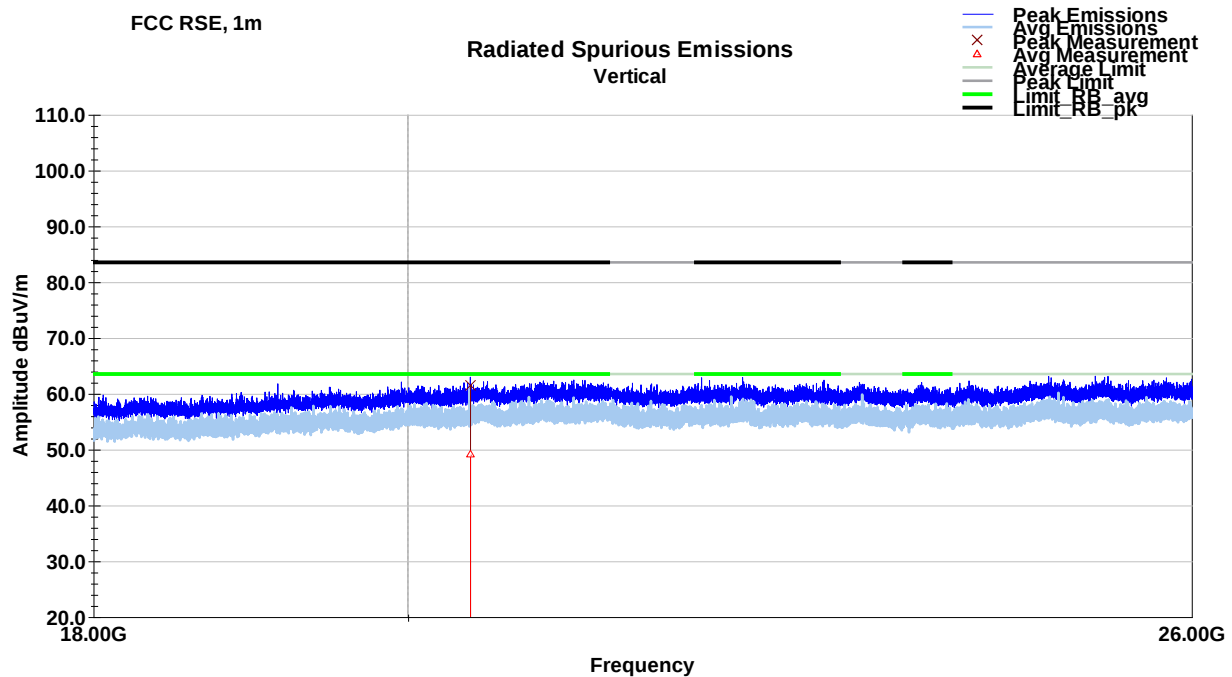
| Frequency<br>MHz                    | Raw Pk<br>dBuV | Polarity<br>(V/H) | Azimuth<br>(degrees) | Height<br>(cm) | AF<br>(dB/m) | Loss<br>(dB) | Amp<br>(dB) | Final Pk<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB |
|-------------------------------------|----------------|-------------------|----------------------|----------------|--------------|--------------|-------------|--------------------|-----------------|--------------|
| 4959.44                             | 56.5           | H                 | 176.0                | 110.0          | 34.1         | 3.0          | 41.9        | 51.6               | 74.0            | -22.4        |
| 7440.92                             | 54.8           | H                 | 351.0                | 159.0          | 35.7         | 3.5          | 42.2        | 51.8               | 74.0            | -22.2        |
|                                     |                |                   |                      |                |              |              |             |                    |                 |              |
| Final Pk = Raw Pk + AF + Loss - Amp |                |                   |                      |                |              |              |             |                    |                 |              |
| Margin = Final Pk - Limit           |                |                   |                      |                |              |              |             |                    |                 |              |

#### Avg

| Frequency<br>MHz                      | Raw Avg<br>dBuV | Polarity<br>(V/H) | Azimuth<br>(degrees) | Height<br>(cm) | AF<br>(dB/m) | Loss<br>(dB) | Amp<br>(dB) | Avg Value<br>dBuV/m | Limit<br>(dBuV/m) | Margin<br>(dB) |
|---------------------------------------|-----------------|-------------------|----------------------|----------------|--------------|--------------|-------------|---------------------|-------------------|----------------|
| 4959.44                               | 48.9            | H                 | 176.0                | 110.0          | 34.1         | 3.0          | 41.9        | 43.9                | 54.0              | -10.0          |
| 7440.92                               | 45.0            | H                 | 351.0                | 159.0          | 35.7         | 3.5          | 42.2        | 42.0                | 54.0              | -11.9          |
|                                       |                 |                   |                      |                |              |              |             |                     |                   |                |
| Final Avg = Raw Avg + AF + Loss - Amp |                 |                   |                      |                |              |              |             |                     |                   |                |
| Margin = Final Avg - Limit            |                 |                   |                      |                |              |              |             |                     |                   |                |

### 7.5.3 18-26 GHz

#### 18-26 GHz Vertical Low Channel - Plot



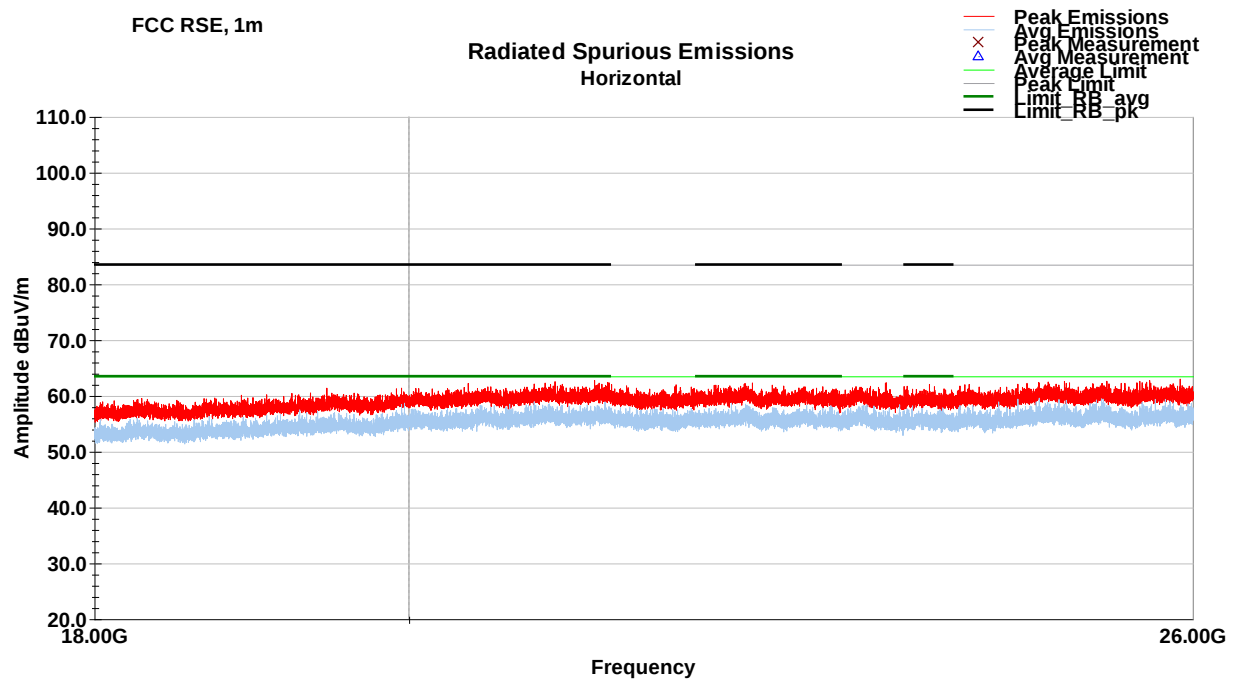
#### 3-18GHz Horizontal High Channel – Tabular Data Peak

| Frequency<br>MHz                    | Raw Pk<br>dBuV | Polarity<br>(V/H) | Azimuth<br>(degrees) | Height<br>(cm) | AF<br>(dB/m) | Loss<br>(dB) | Amp<br>(dB) | Final Pk<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB |
|-------------------------------------|----------------|-------------------|----------------------|----------------|--------------|--------------|-------------|--------------------|-----------------|--------------|
| 20423.24                            | 54.9           | V                 | 58.0                 | 239.0          | 46.6         | 9.8          | 49.8        | 61.5               | 83.5            | -22.0        |
|                                     |                |                   |                      |                |              |              |             |                    |                 |              |
|                                     |                |                   |                      |                |              |              |             |                    |                 |              |
| Final Pk = Raw Pk + AF + Loss - Amp |                |                   |                      |                |              |              |             |                    |                 |              |
| Margin = Final Pk - Limit           |                |                   |                      |                |              |              |             |                    |                 |              |

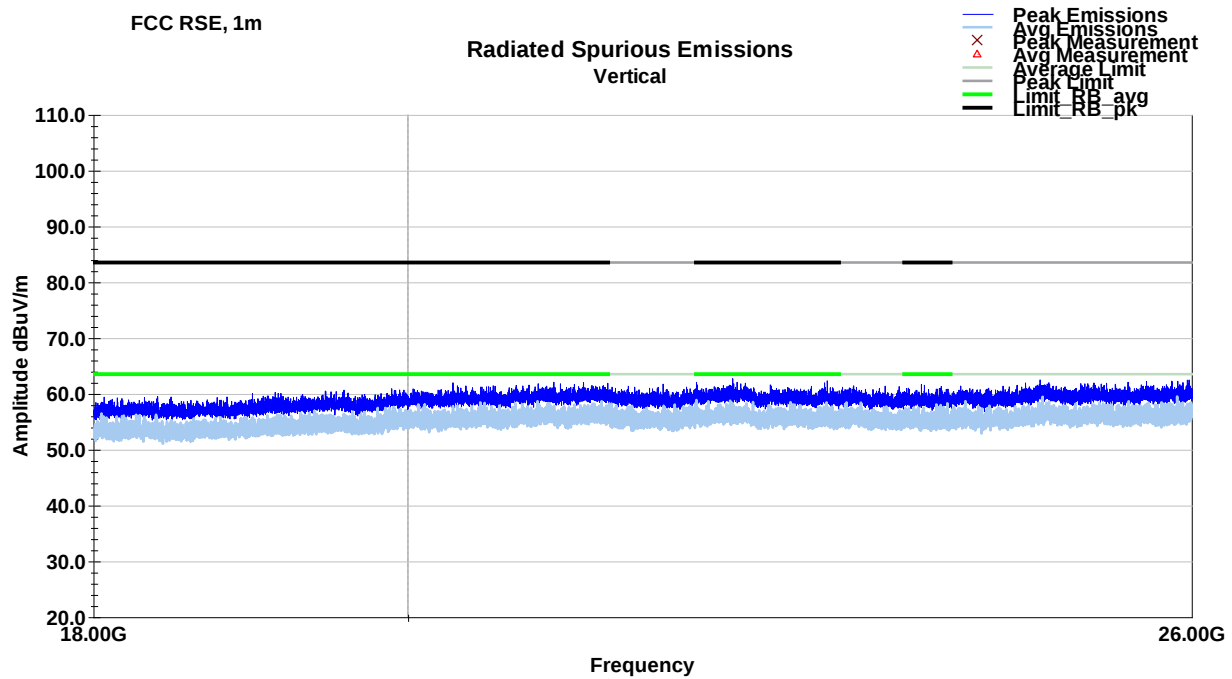
#### Avg

| Frequency<br>MHz                      | Raw Avg<br>dBuV | Polarity<br>(V/H) | Azimuth<br>(degrees) | Height<br>(cm) | AF<br>(dB/m) | Loss<br>(dB) | Amp<br>(dB) | Final Avg<br>dBuV/m | Limit<br>(dBuV/m) | Margin<br>(dB) |
|---------------------------------------|-----------------|-------------------|----------------------|----------------|--------------|--------------|-------------|---------------------|-------------------|----------------|
| 20423.24                              | 42.5            | V                 | 58.0                 | 239.0          | 46.6         | 9.8          | 49.8        | 49.1                | 63.5              | -14.4          |
|                                       |                 |                   |                      |                |              |              |             |                     |                   |                |
|                                       |                 |                   |                      |                |              |              |             |                     |                   |                |
| Final Avg = Raw Avg + AF + Loss - Amp |                 |                   |                      |                |              |              |             |                     |                   |                |
| Margin = Final Avg - Limit            |                 |                   |                      |                |              |              |             |                     |                   |                |

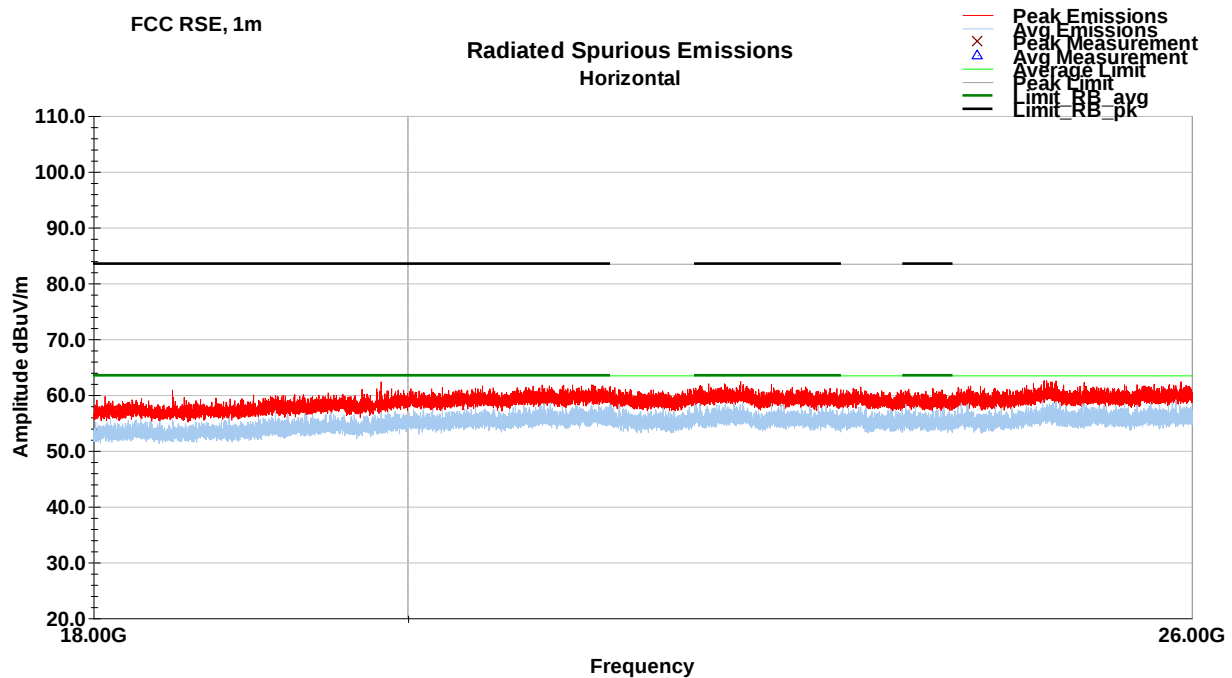
### 18-26 GHz Horizontal Low Channel - Plot



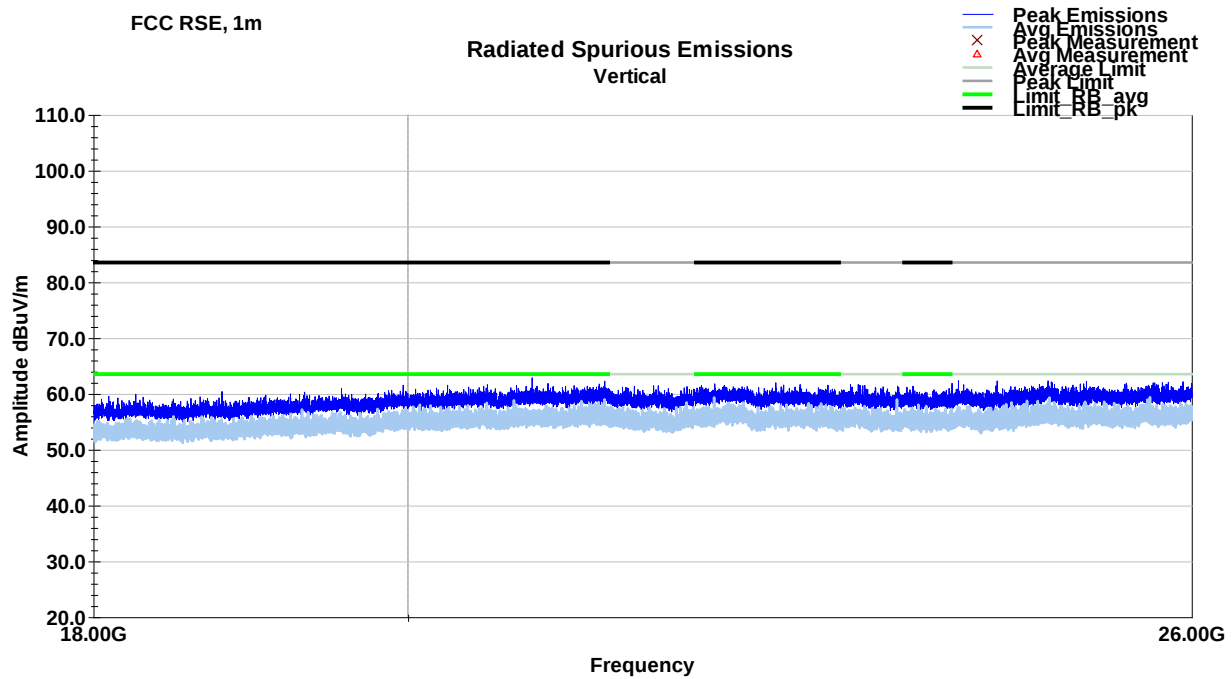
### 18-26 GHz Vertical Mid Channel - Plot



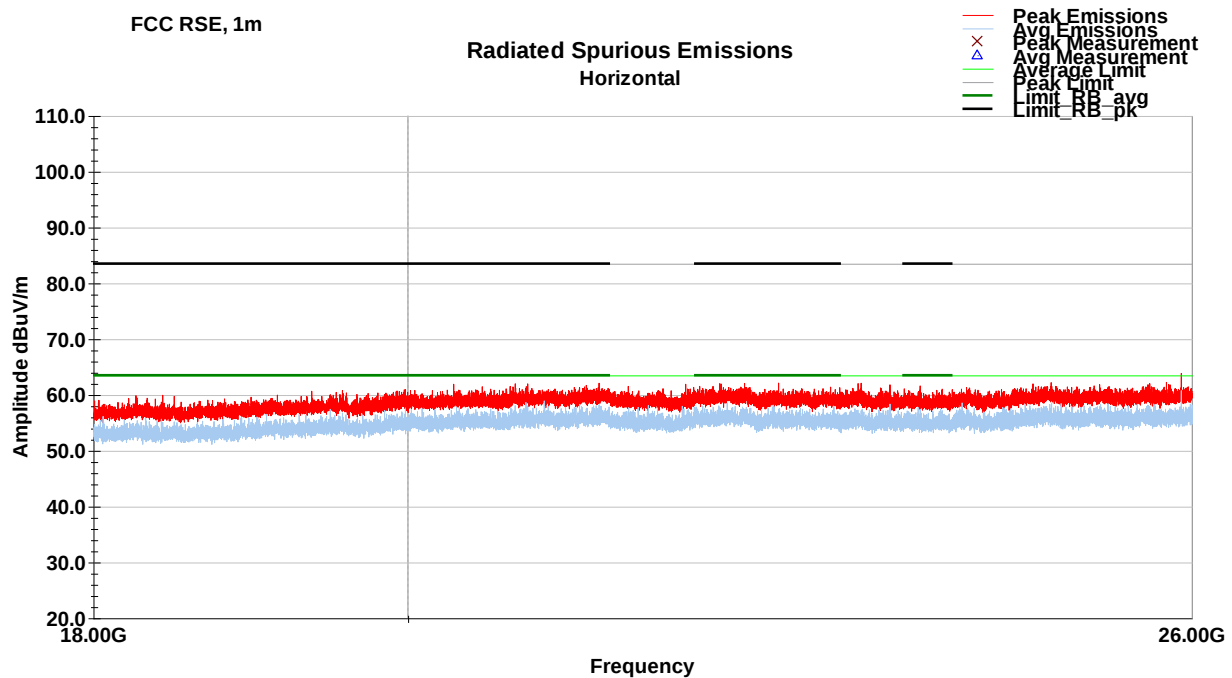
### 18-26 GHz Horizontal Mid Channel - Plot



### 18-26 GHz Vertical High Channel - Plot



### 18-26 GHz Horizontal High Channel - Plot

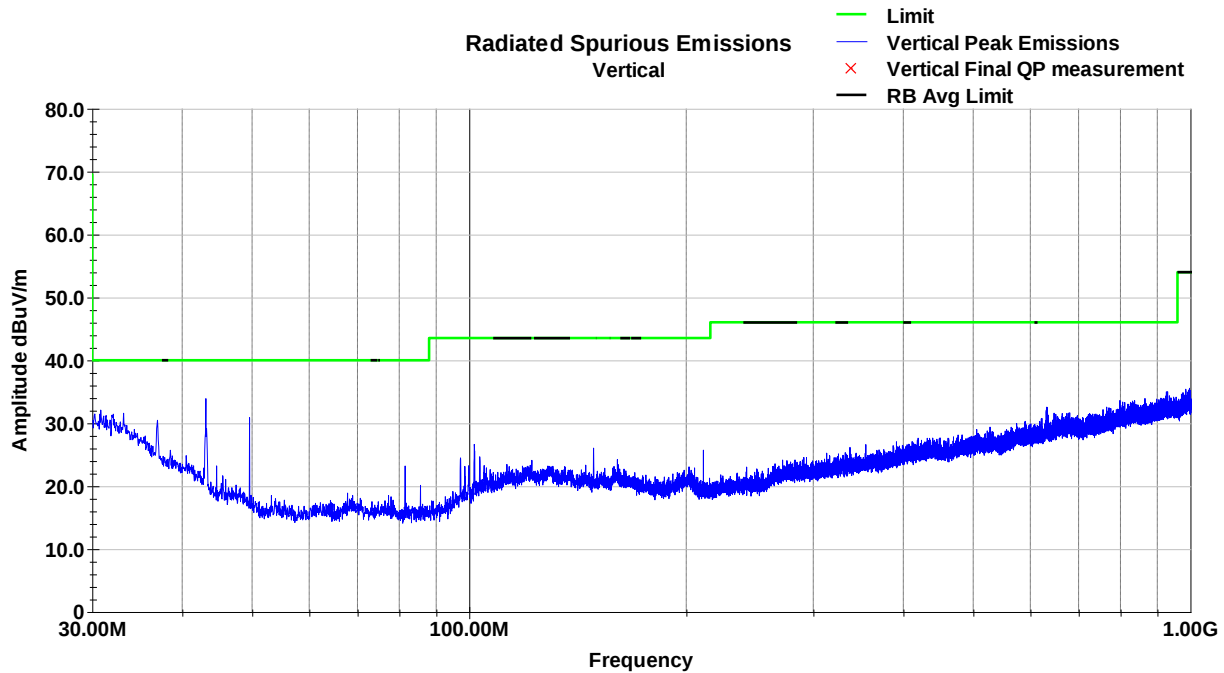


## 7.6 Test Data – Right Insole

### 7.6.1 30-1000 MHz

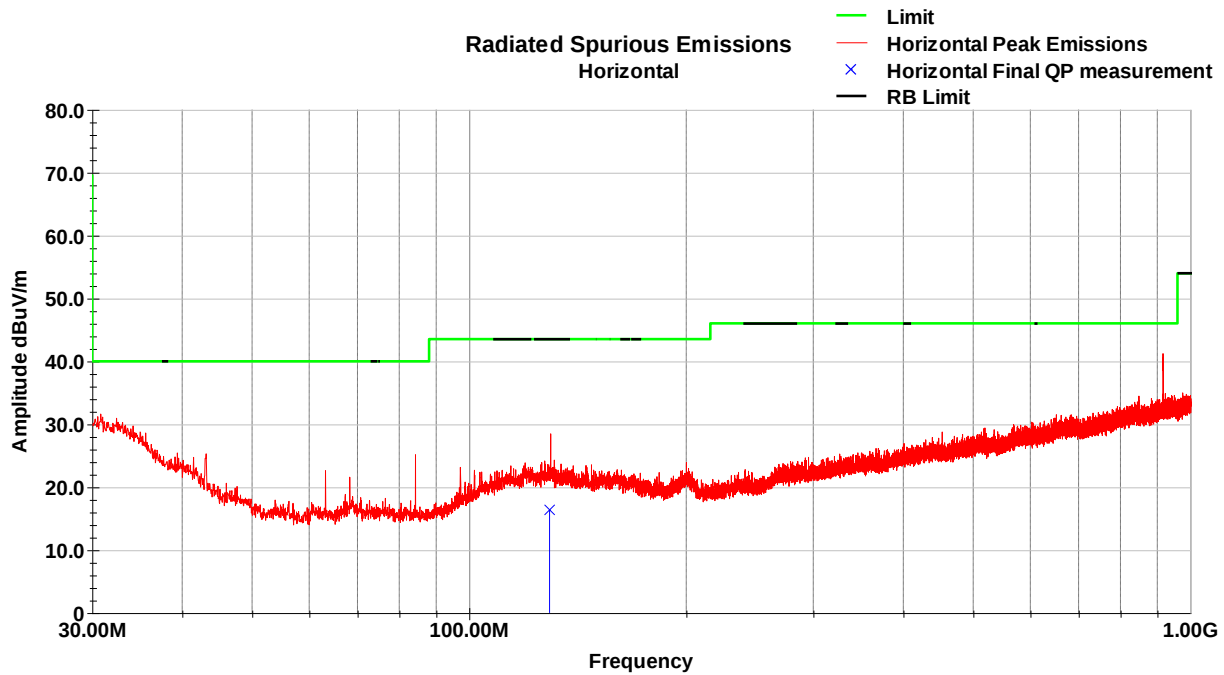
No significant deviation based on axis or channel in the 30-1000MHz range – worst case shown.

30-1000 MHz Vertical Mid Channel - Plot



No emissions were detected in the restricted band.

### 30-1000 MHz Horizontal Mid Channel - Plot

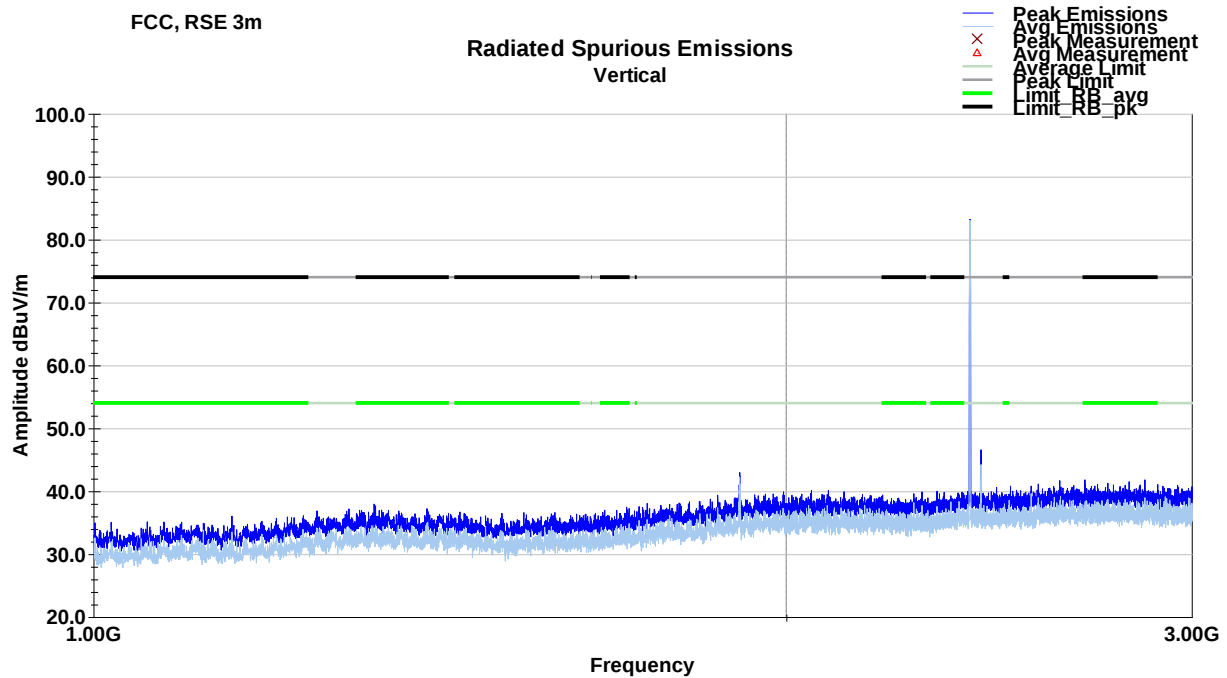


### 30-1000 MHz Horizontal Mid Channel – Tabular Data

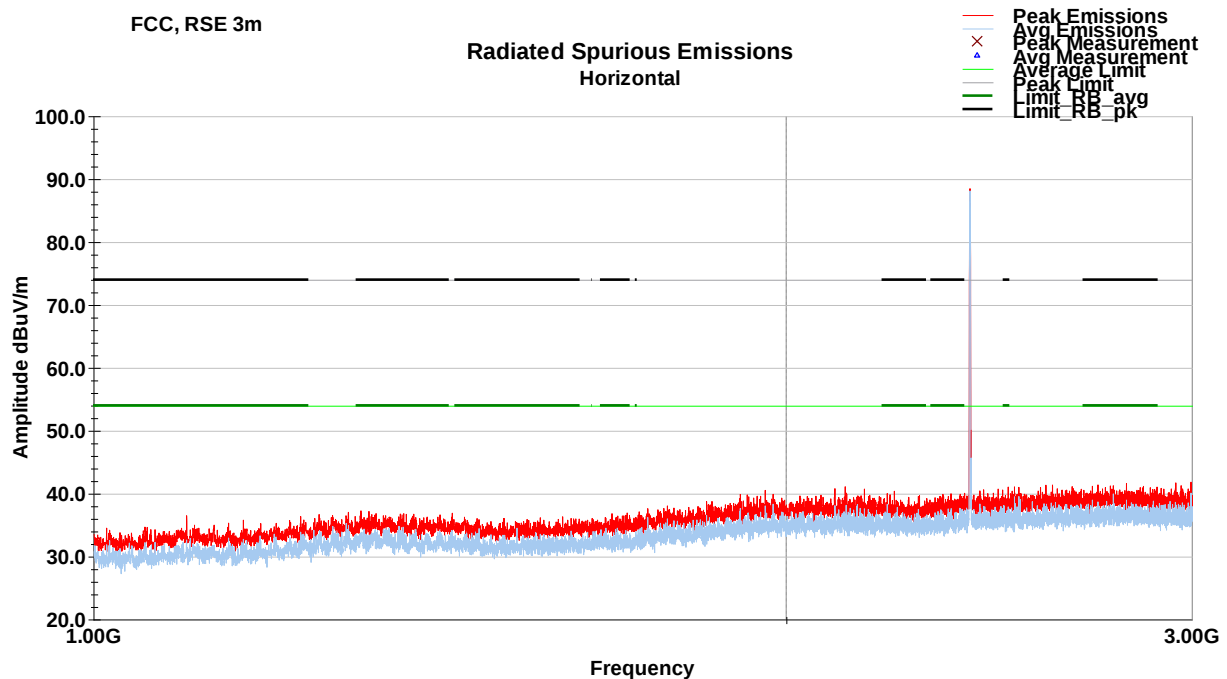
| Frequency<br>MHz                    | Raw QP<br>(dBuV) | Polarity<br>(V/H) | Azimuth<br>(degrees) | Height<br>(cm) | AF<br>(dB/m) | Loss<br>(dB) | Amp<br>(dB) | QP Value<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) |
|-------------------------------------|------------------|-------------------|----------------------|----------------|--------------|--------------|-------------|----------------------|-------------------|----------------|
| 129.29                              | 28.5             | H                 | 168.0                | 398.0          | 17.9         | 0.6          | 30.6        | 16.4                 | 43.5              | -27.1          |
|                                     |                  |                   |                      |                |              |              |             |                      |                   |                |
| QP Value = Raw QP + AF + Loss - Amp |                  |                   |                      |                |              |              |             |                      |                   |                |
| Margin = QP Value - Limit           |                  |                   |                      |                |              |              |             |                      |                   |                |

## 7.6.2 1-18 GHz

### 1-3GHz Vertical Low Channel - Plot

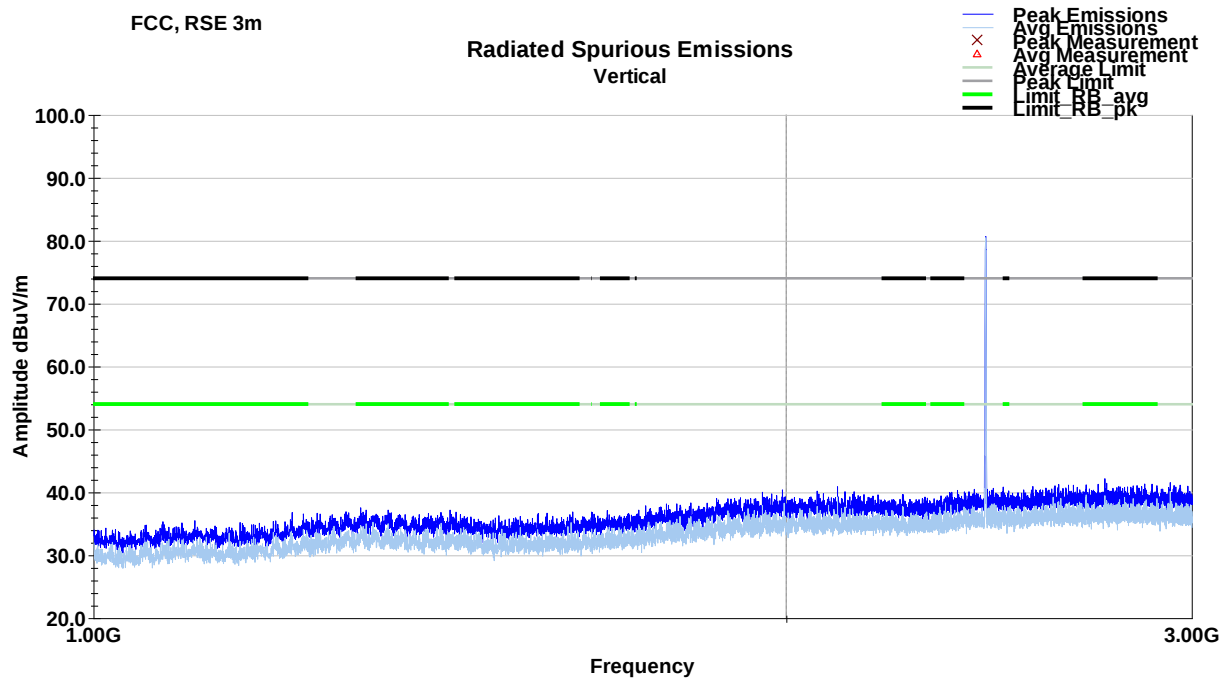


### 1- 3GHz Horizontal Low Channel – Plot

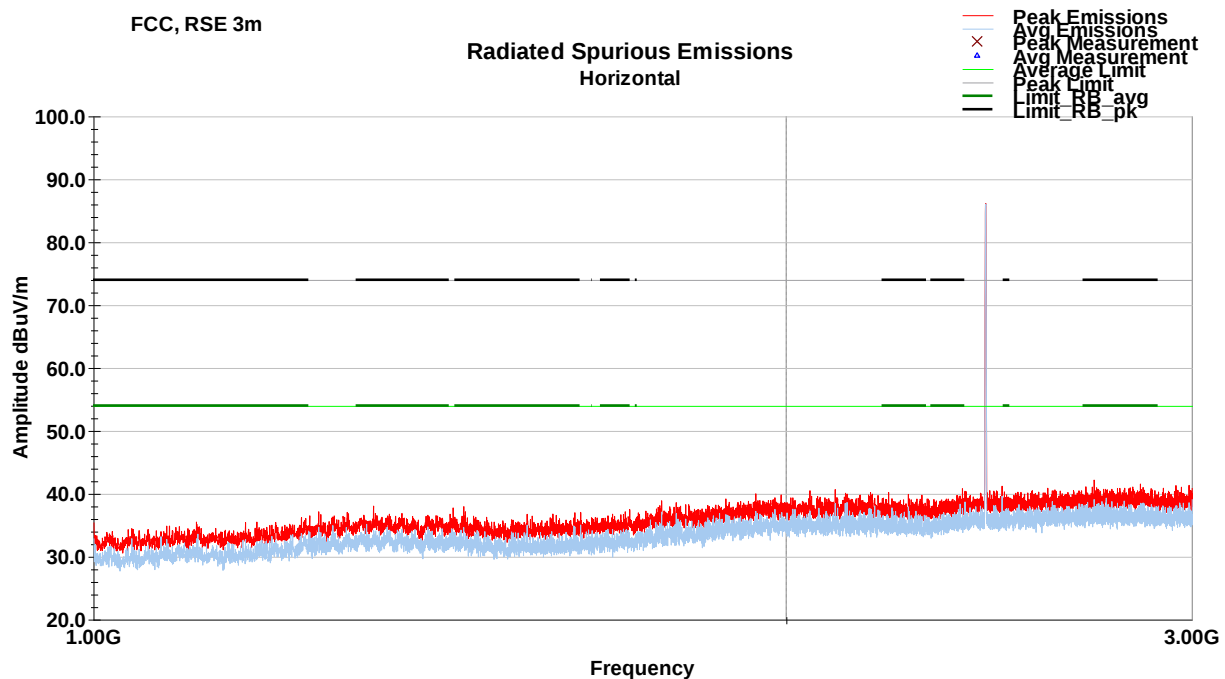


Note: No emissions detected in restricted bands.

### 1-3GHz Vertical Mid Channel - Plot

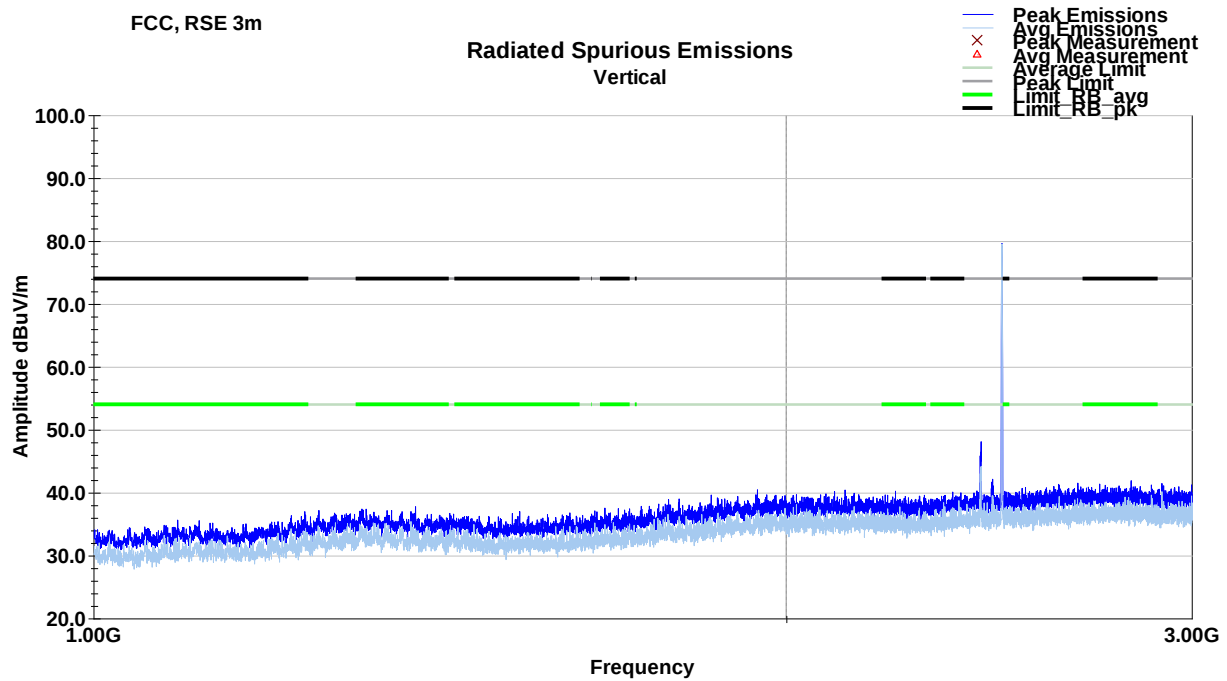


### 1-3GHz Horizontal Mid Channel - Plot

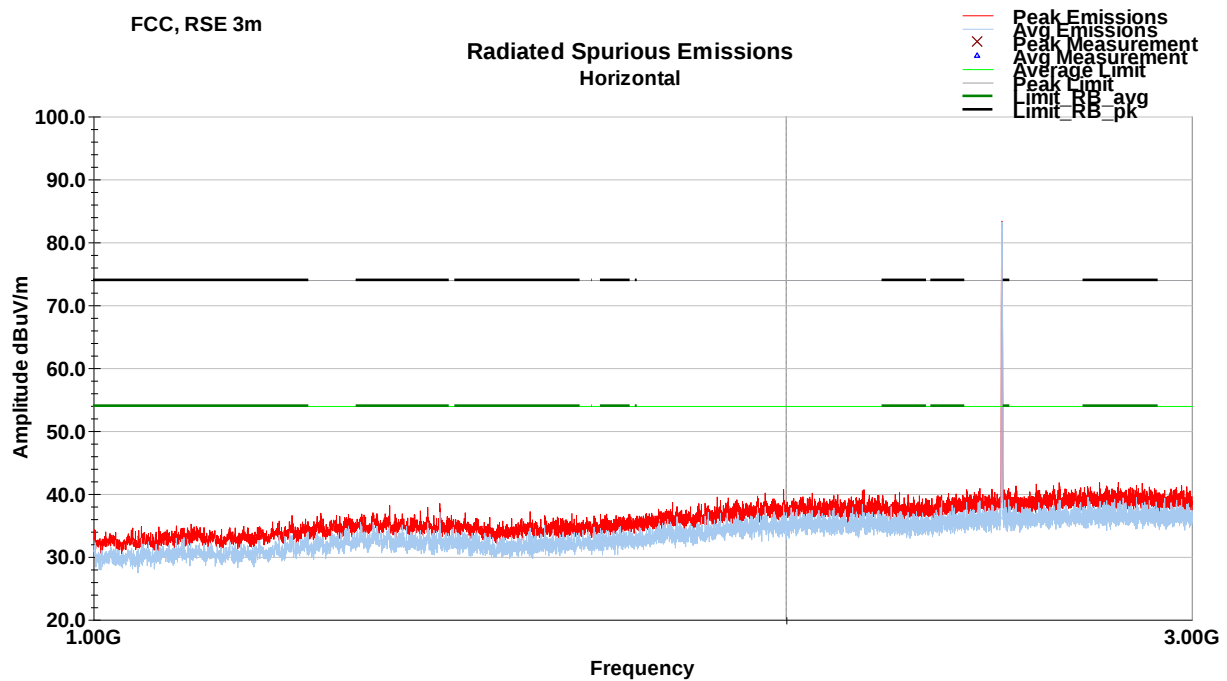


Note: No emissions detected in restricted bands.

### 1-3GHz Vertical High Channel - Plot

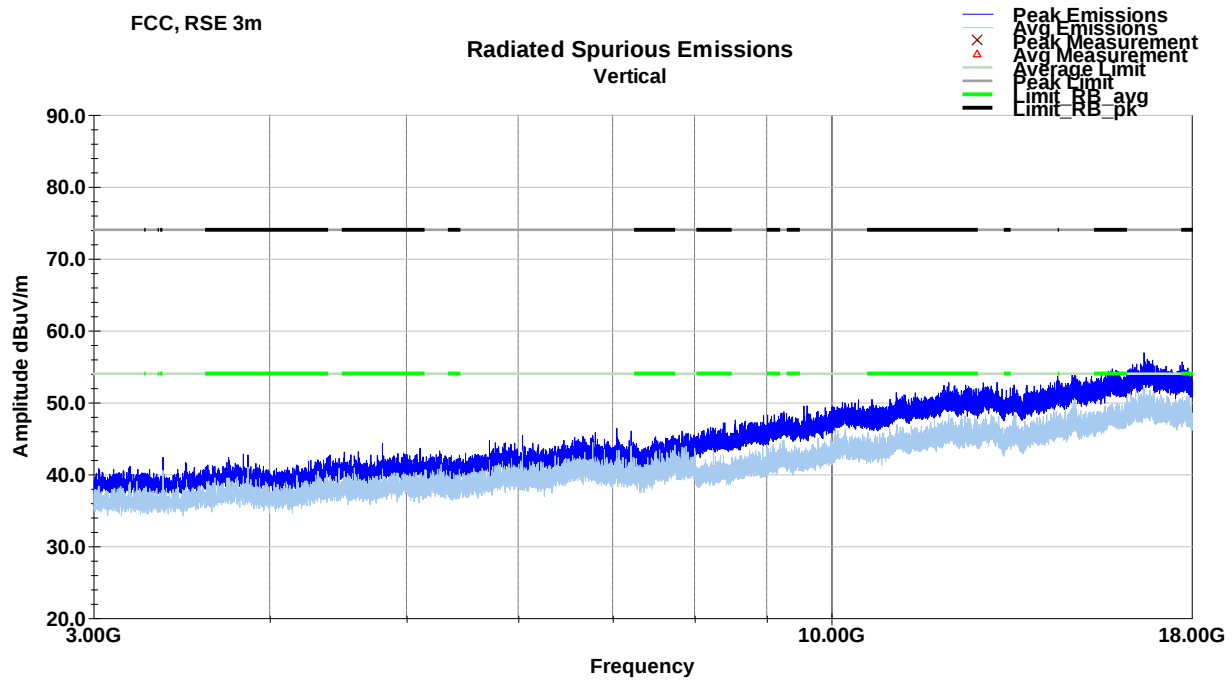


### 1-3GHz Horizontal High Channel – Plot

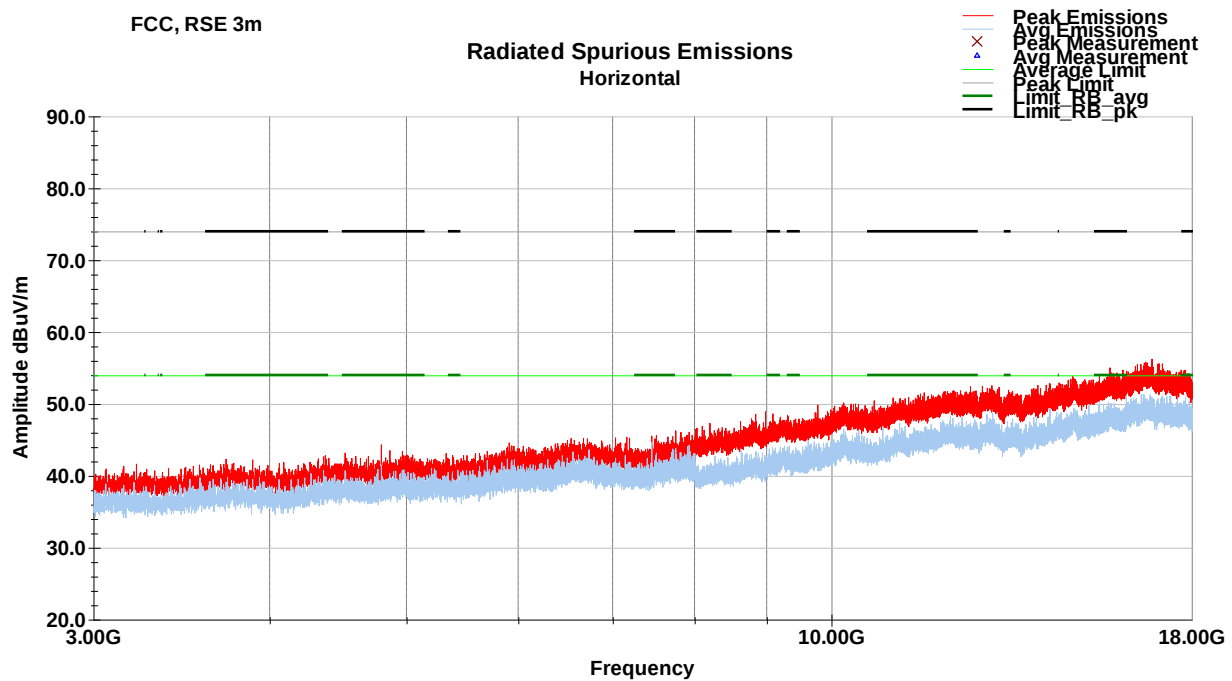


Note: No emissions detected in restricted bands.

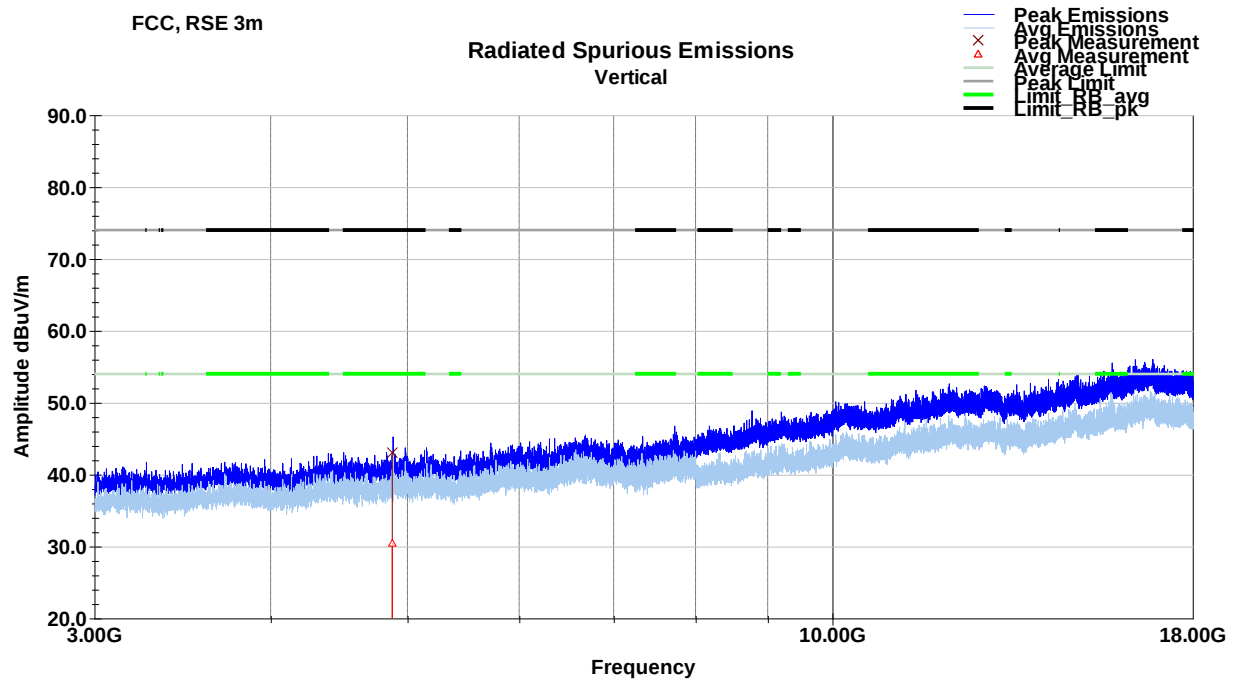
### 3-18GHz Vertical Low Channel - Plot



### 3-18GHz Horizontal Low Channel – Plot



### 3-18GHz Vertical Mid Channel - Plot



### 3-18GHz Vertical Mid Channel – Tabular Data

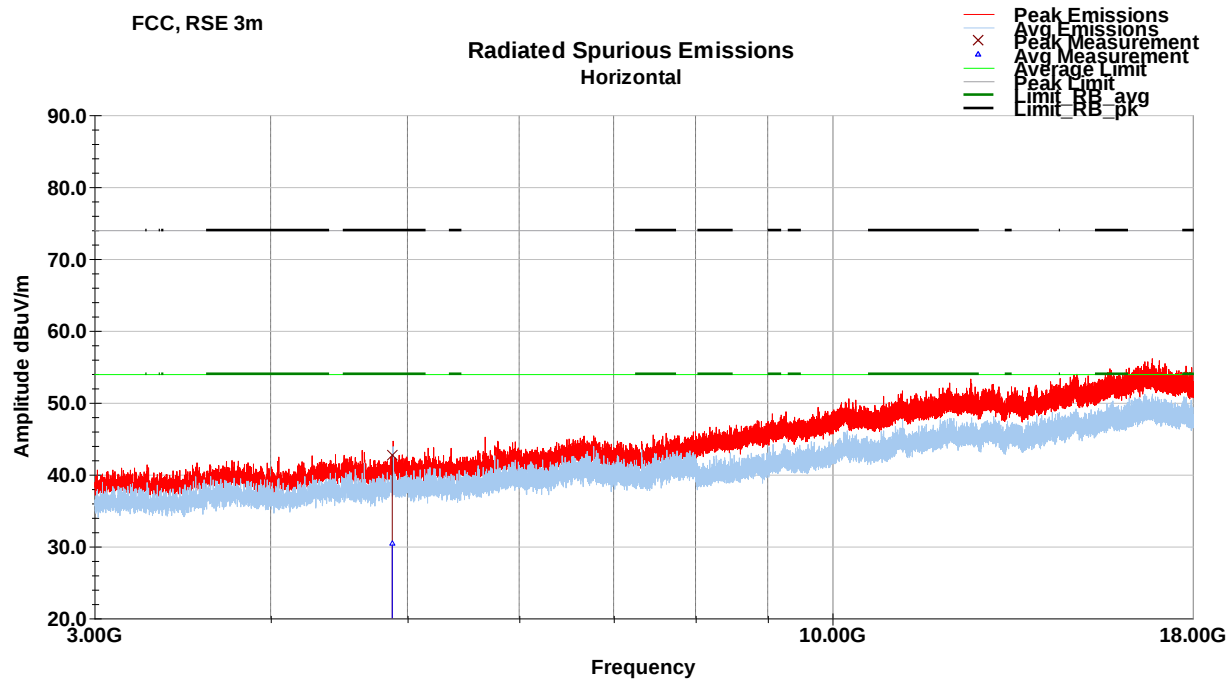
#### Peak

| Frequency<br>MHz                    | Raw Pk<br>dBuV | Polarity<br>(V/H) | Azimuth<br>(degrees) | Height<br>(cm) | AF<br>(dB/m) | Loss<br>(dB) | Amp<br>(dB) | Final Pk<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB |
|-------------------------------------|----------------|-------------------|----------------------|----------------|--------------|--------------|-------------|--------------------|-----------------|--------------|
| 4877.76                             | 41.4           | V                 | 263.0                | 189.0          | 34.1         | 2.8          | 35.4        | 43.0               | 74.0            | -31.0        |
|                                     |                |                   |                      |                |              |              |             |                    |                 |              |
|                                     |                |                   |                      |                |              |              |             |                    |                 |              |
| Final Pk = Raw Pk + AF + Loss - Amp |                |                   |                      |                |              |              |             |                    |                 |              |
| Margin = Final Pk - Limit           |                |                   |                      |                |              |              |             |                    |                 |              |

#### Avg

| Frequency<br>MHz                      | Raw Avg<br>dBuV | Polarity<br>(V/H) | Azimuth<br>(degrees) | Height<br>(cm) | AF<br>(dB/m) | Loss<br>(dB) | Amp<br>(dB) | Final Avg<br>dBuV/m | Limit<br>(dBuV/m) | Margin<br>(dB) |
|---------------------------------------|-----------------|-------------------|----------------------|----------------|--------------|--------------|-------------|---------------------|-------------------|----------------|
| 4877.76                               | 28.9            | V                 | 263.0                | 189.0          | 34.1         | 2.8          | 35.4        | 30.4                | 54.0              | -23.6          |
|                                       |                 |                   |                      |                |              |              |             |                     |                   |                |
|                                       |                 |                   |                      |                |              |              |             |                     |                   |                |
| Final Avg = Raw Avg + AF + Loss - Amp |                 |                   |                      |                |              |              |             |                     |                   |                |
| Margin = Final Avg - Limit            |                 |                   |                      |                |              |              |             |                     |                   |                |

### 3-18GHz Horizontal Mid Channel - Plot



### 3-18GHz Horizontal Mid Channel – Tabular Data

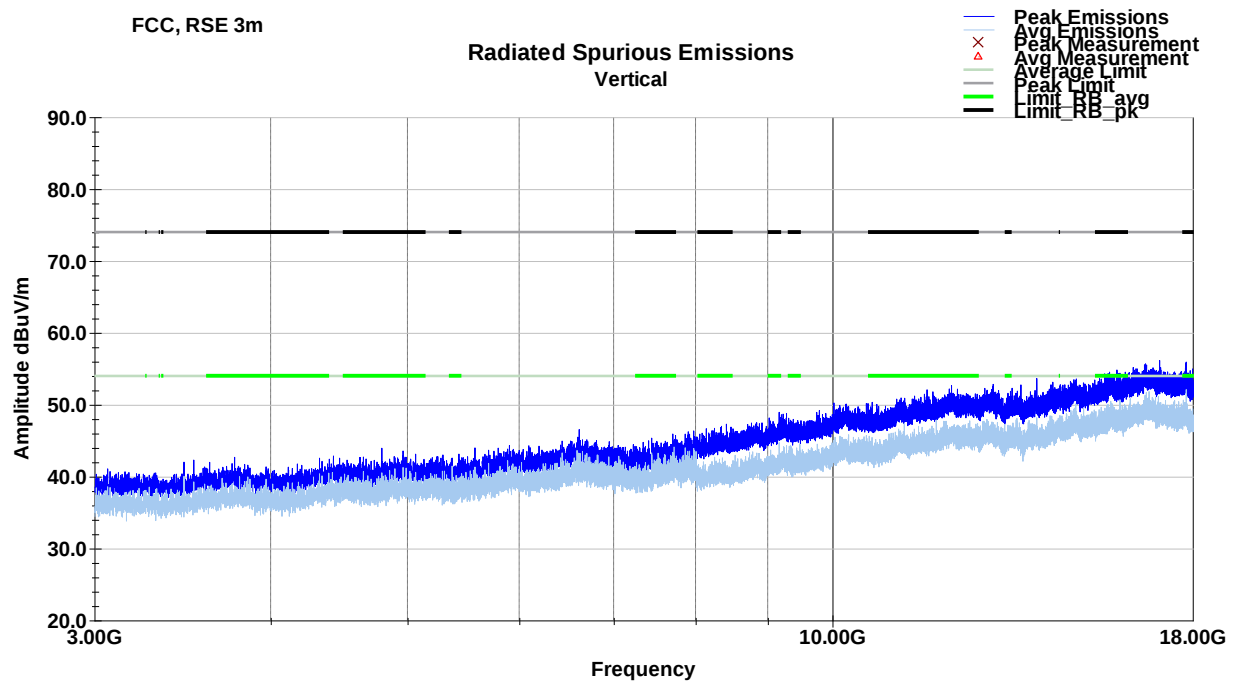
#### Peak

| Frequency<br>MHz                    | Raw Pk<br>dBuV | Polarity<br>(V/H) | Azimuth<br>(degrees) | Height<br>(cm) | AF<br>(dB/m) | Loss<br>(dB) | Amp<br>(dB) | Final Pk<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB |
|-------------------------------------|----------------|-------------------|----------------------|----------------|--------------|--------------|-------------|--------------------|-----------------|--------------|
| 4877.52                             | 41.2           | H                 | 106.0                | 103.0          | 34.1         | 2.8          | 35.4        | 42.7               | 74.0            | -31.3        |
|                                     |                |                   |                      |                |              |              |             |                    |                 |              |
| Final Pk = Raw Pk + AF + Loss - Amp |                |                   |                      |                |              |              |             |                    |                 |              |
| Margin = Final Pk - Limit           |                |                   |                      |                |              |              |             |                    |                 |              |

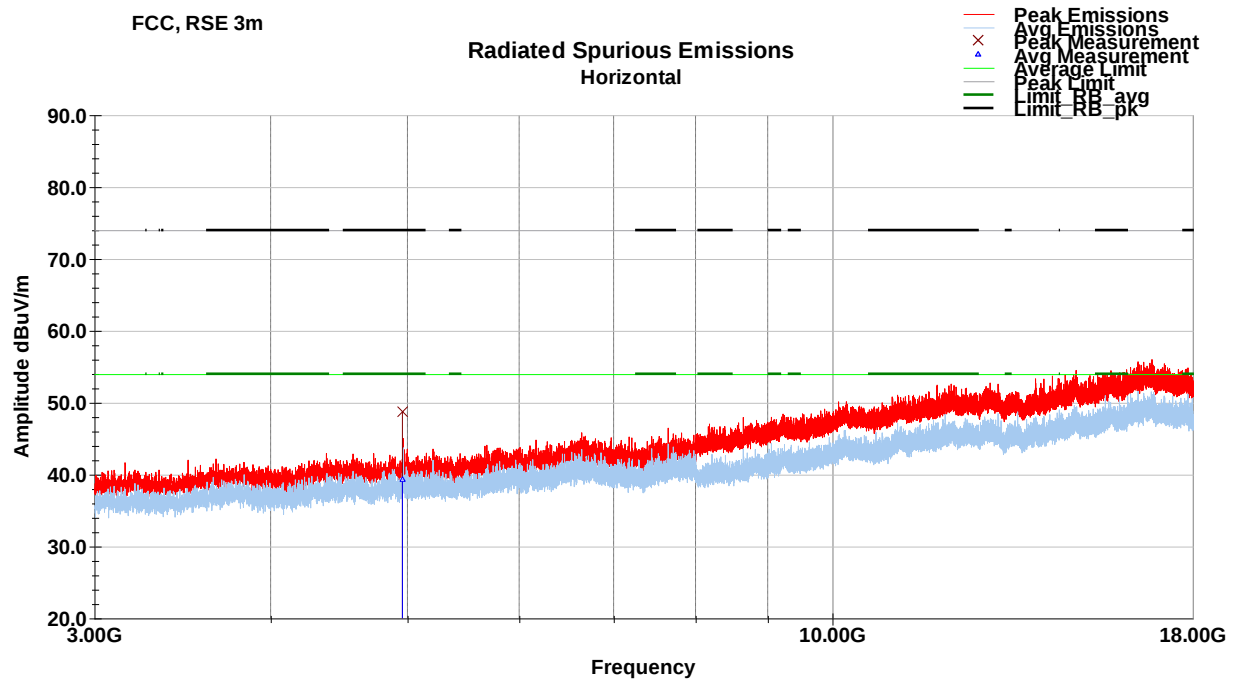
#### Avg

| Frequency<br>MHz                      | Raw Avg<br>dBuV | Polarity<br>(V/H) | Azimuth<br>(degrees) | Height<br>(cm) | AF<br>(dB/m) | Loss<br>(dB) | Amp<br>(dB) | Avg Value<br>dBuV/m | Limit<br>(dBuV/m) | Margin<br>(dB) |
|---------------------------------------|-----------------|-------------------|----------------------|----------------|--------------|--------------|-------------|---------------------|-------------------|----------------|
| 4877.52                               | 28.8            | H                 | 106.0                | 103.0          | 34.1         | 2.8          | 35.4        | 30.4                | 54.0              | -23.6          |
|                                       |                 |                   |                      |                |              |              |             |                     |                   |                |
| Final Avg = Raw Avg + AF + Loss - Amp |                 |                   |                      |                |              |              |             |                     |                   |                |
| Margin = Final Avg - Limit            |                 |                   |                      |                |              |              |             |                     |                   |                |

### 3-18GHz Vertical High Channel - Plot



### 3-18GHz Horizontal High Channel - Plot



### 3-18GHz Horizontal High Channel – Tabular Data

#### Peak

| Frequency<br>MHz                    | Raw Pk<br>dBuV | Polarity<br>(V/H) | Azimuth<br>(degrees) | Height<br>(cm) | AF<br>(dB/m) | Loss<br>(dB) | Amp<br>(dB) | Final Pk<br>dBuV/m | Limit<br>dBuV/m | Margin<br>dB |
|-------------------------------------|----------------|-------------------|----------------------|----------------|--------------|--------------|-------------|--------------------|-----------------|--------------|
| 4959.68                             | 47.2           | H                 | 75.0                 | 100.0          | 34.1         | 3.0          | 35.4        | 48.8               | 74.0            | -25.2        |
|                                     |                |                   |                      |                |              |              |             |                    |                 |              |
|                                     |                |                   |                      |                |              |              |             |                    |                 |              |
| Final Pk = Raw Pk + AF + Loss - Amp |                |                   |                      |                |              |              |             |                    |                 |              |
| Margin = Final Pk - Limit           |                |                   |                      |                |              |              |             |                    |                 |              |

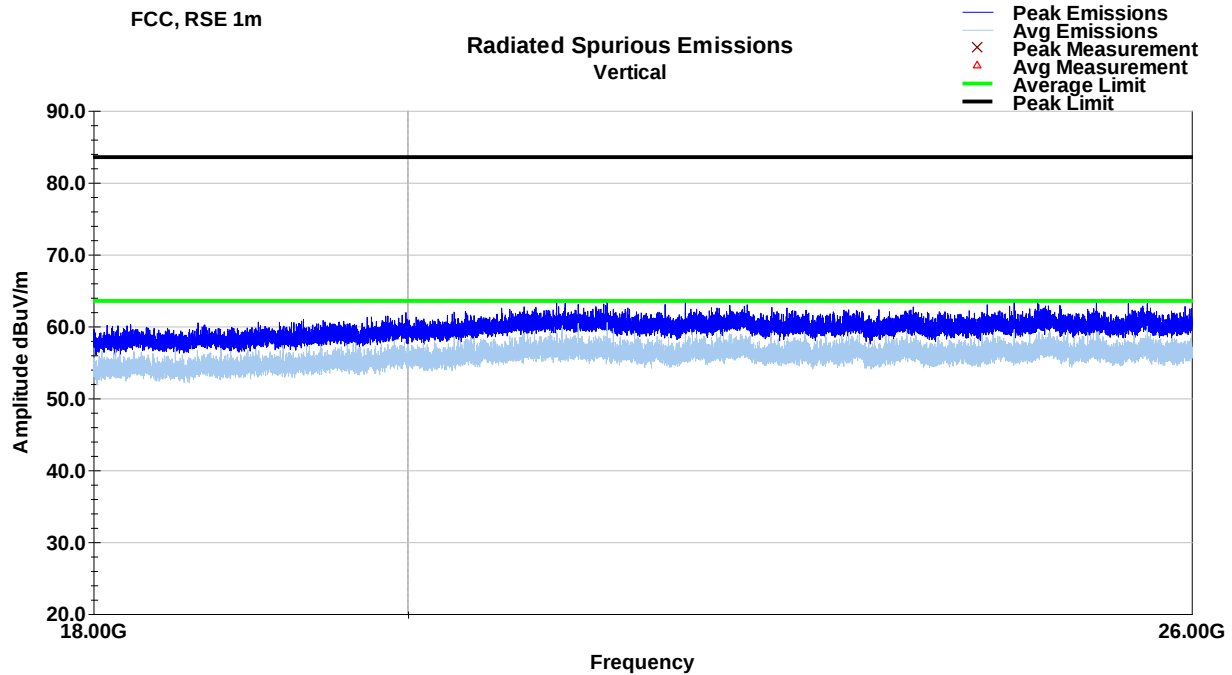
#### Avg

| Frequency<br>MHz                      | Raw Avg<br>dBuV | Polarity<br>(V/H) | Azimuth<br>(degrees) | Height<br>(cm) | AF<br>(dB/m) | Loss<br>(dB) | Amp<br>(dB) | Avg Value<br>dBuV/m | Limit<br>(dBuV/m) | Margin<br>(dB) |
|---------------------------------------|-----------------|-------------------|----------------------|----------------|--------------|--------------|-------------|---------------------|-------------------|----------------|
| 4959.68                               | 37.7            | H                 | 75.0                 | 100.0          | 34.1         | 3.0          | 35.4        | 39.4                | 54.0              | -14.6          |
|                                       |                 |                   |                      |                |              |              |             |                     |                   |                |
|                                       |                 |                   |                      |                |              |              |             |                     |                   |                |
| Final Avg = Raw Avg + AF + Loss - Amp |                 |                   |                      |                |              |              |             |                     |                   |                |
| Margin = Final Avg - Limit            |                 |                   |                      |                |              |              |             |                     |                   |                |

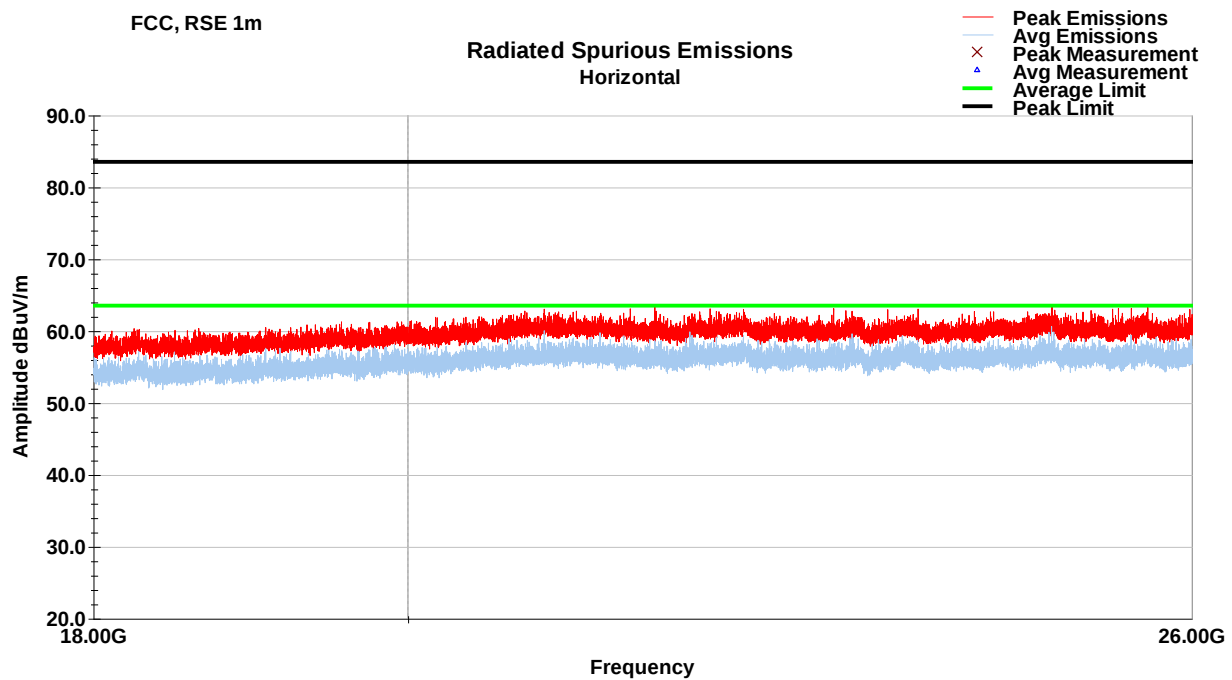
### 7.6.3 18-26 GHz

No significant deviation based on axis or channel in the 18-26 GHz range.

18-26 GHz Vertical Mid Channel - Plot



18-26 GHz Horizontal Mid Channel – Plot



## 8 Band Edge Emissions in Restricted Frequency Bands

### 8.1 Test Result

| Test Description                                  | Test Specification |                    | Test Result |
|---------------------------------------------------|--------------------|--------------------|-------------|
| Band Edge Emissions in Restricted Frequency Bands | 15.205, 15.209     | RSS-GEN S8.9, 8.10 | Compliant   |

### 8.2 Test Method

Field strength measurements were performed at the restricted band edges of 2390MHz and 2483.5MHz. Measurements were made using the conducted methods defined in ANSI C63.10: 2013 clause 11.12.2. The measurements were converted to a radiated field strength equivalent using the equations defined in that section. Both peak and average measurements were performed at the antenna port. These procedures are referenced in KDB 558074 D01 15.247 Meas Guidance v05r02.

A reference level offset was applied to the spectrum analyzer so that conducted measurements represent field strength measurements in dB $\mu$ V/m.

### 8.3 Test Site

SGS EMC Laboratory, Suwanee, GA

Left Insole

Environmental Conditions

Temperature: 24.13 °C

Relative Humidity: 49.5 %

Atmospheric Pressure: 98.34 kPa

Right Insole

Environmental Conditions

Temperature: 23.39 °C

Relative Humidity: 19.8 %

Atmospheric Pressure: 99.35 kPa

## 8.4 Test Equipment

### Left Insole

Test End Date: 6-Jun-2025

Tester: SGM

| Equipment                       | Manufacturer             | Model        | Asset Number | Cal Date   | Cal Due Date |
|---------------------------------|--------------------------|--------------|--------------|------------|--------------|
| RF CABLE SMA TO SMA, 0.01-40GHZ | TELEDYNE STORM MICROWAVE | 084-0505-059 | 20108        | 3-Apr-2025 | 3-Apr-2026   |
| TSTPASS SWITCHBOX               | TSTPASS                  | SB2          | 23009        | 8-Apr-2024 | 8-Apr-2025   |
| SIGNAL ANALYZER (TS8997)        | ROHDE & SCHWARZ          | FSV30        | B085749      | 4-Mar-2025 | 4-Mar-2026   |

### Right Insole

Test End Date: 24-Dec-2024

Tester: SGM

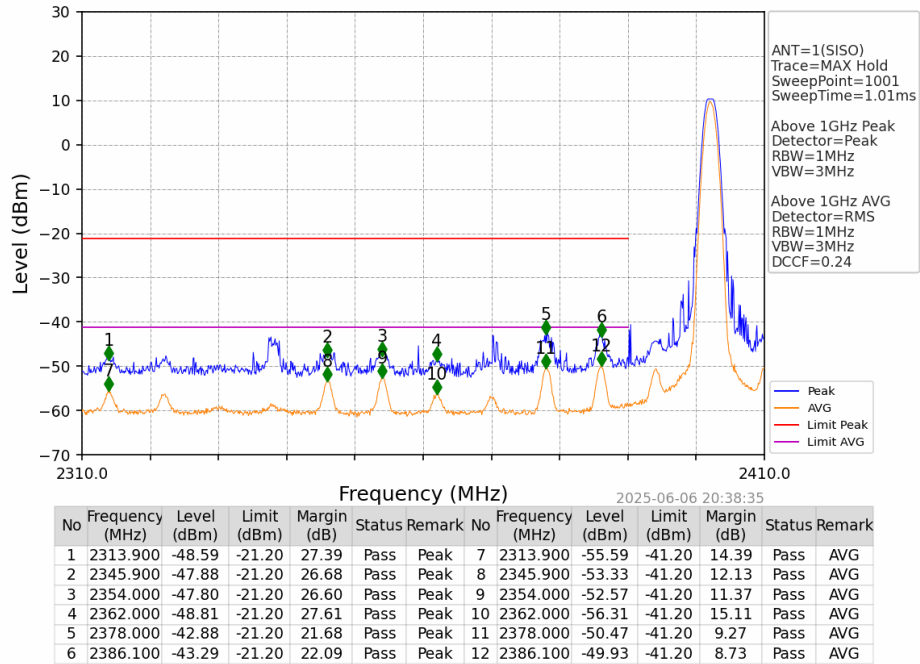
| Equipment                       | Manufacturer             | Model        | Asset Number | Cal Date    | Cal Due Date |
|---------------------------------|--------------------------|--------------|--------------|-------------|--------------|
| RF CABLE SMA TO SMA, 0.01-40GHZ | TELEDYNE STORM MICROWAVE | 084-0505-059 | 20108        | 20-Mar-2024 | 20-Mar-2025  |
| TSTPASS SWITCHBOX               | TSTPASS                  | SB2          | 23009        | 8-Apr-2024  | 8-Apr-2025   |
| SIGNAL ANALYZER (TS8997)        | ROHDE & SCHWARZ          | FSV30        | B085749      | 3-Jan-2024  | 3-Jan-2025   |

### Software Profile:

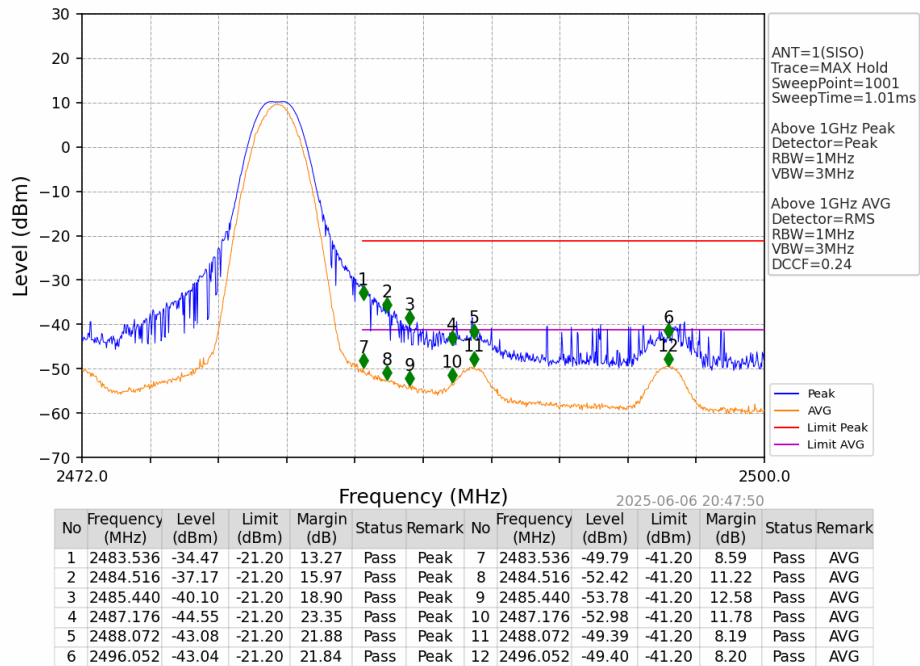
TSTPASS Version: 2.0 (2024.12.23\_11.05.24)

## 8.5 Test Data – Left Insole

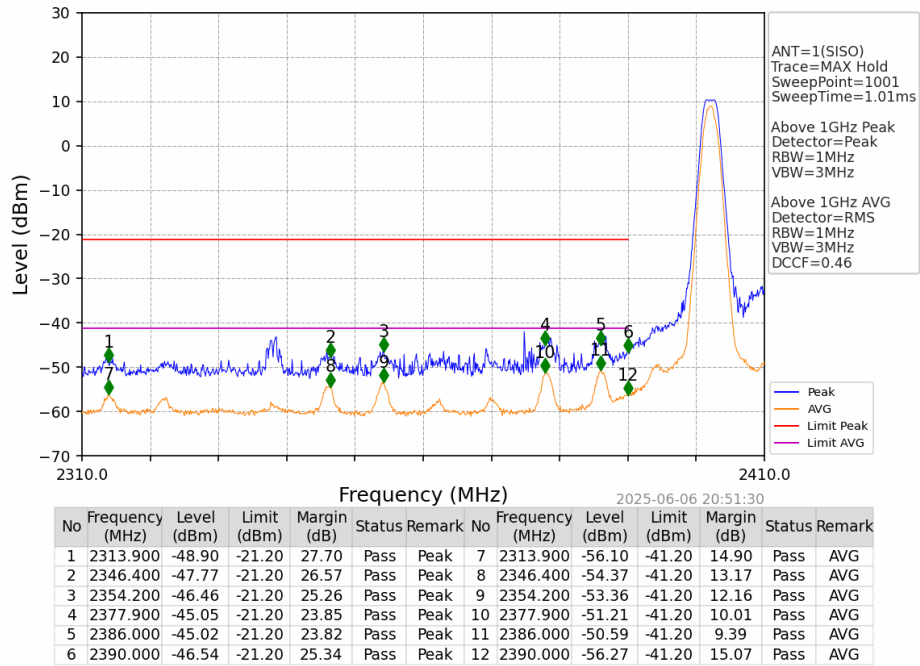
### BLE 1M – Low Channel – Plot



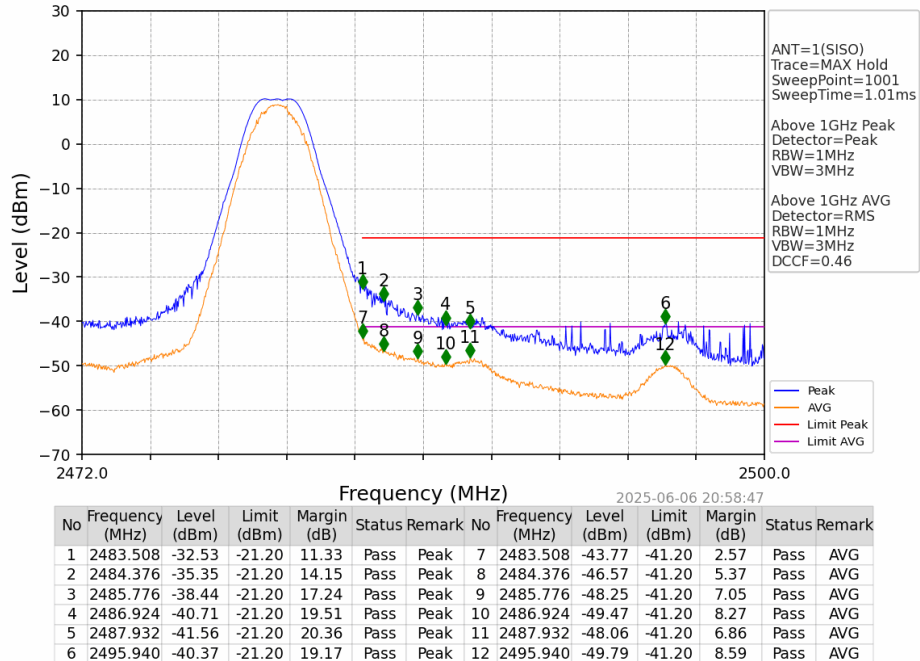
### BLE 1M – High Channel – Plot



### BLE 2M – Low Channel – Plot

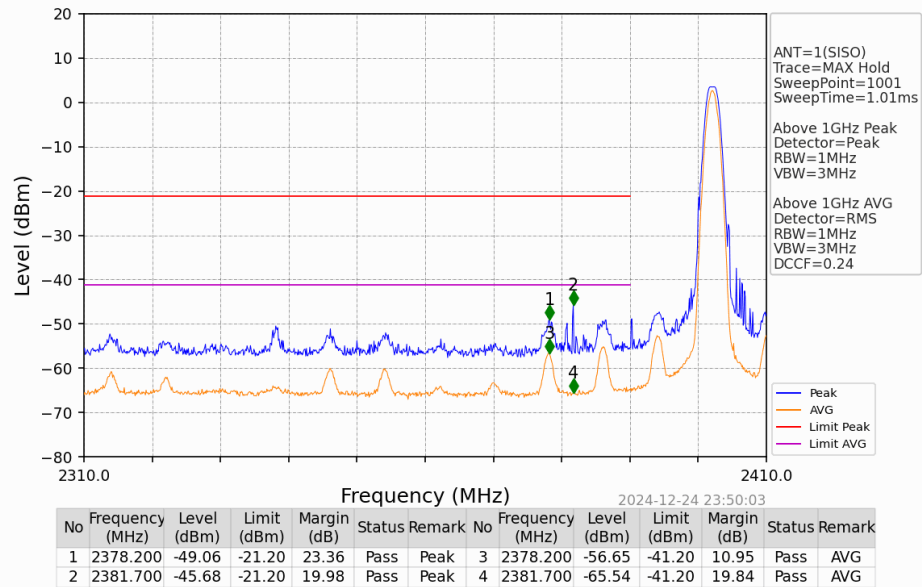


### BLE 2M – High Channel – Plot

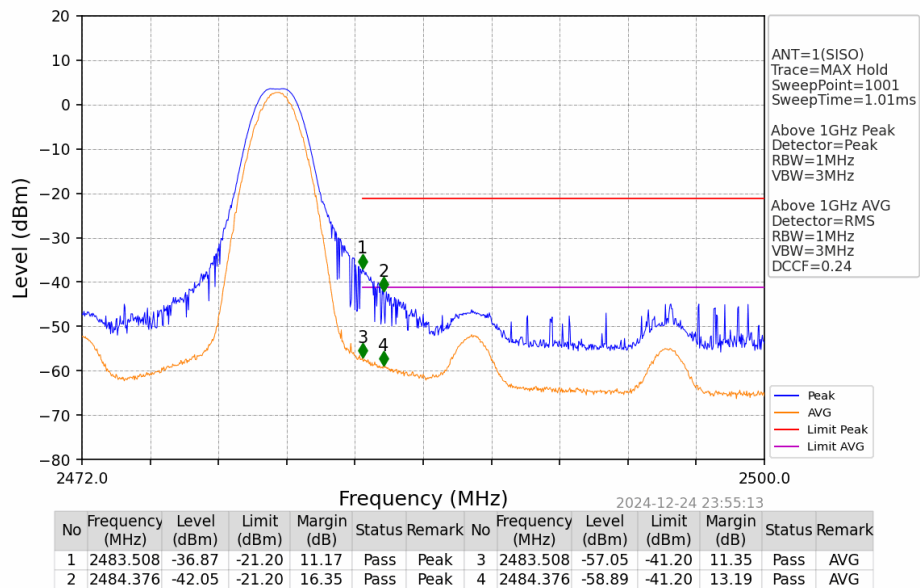


## 8.6 Test Data – Right Insole

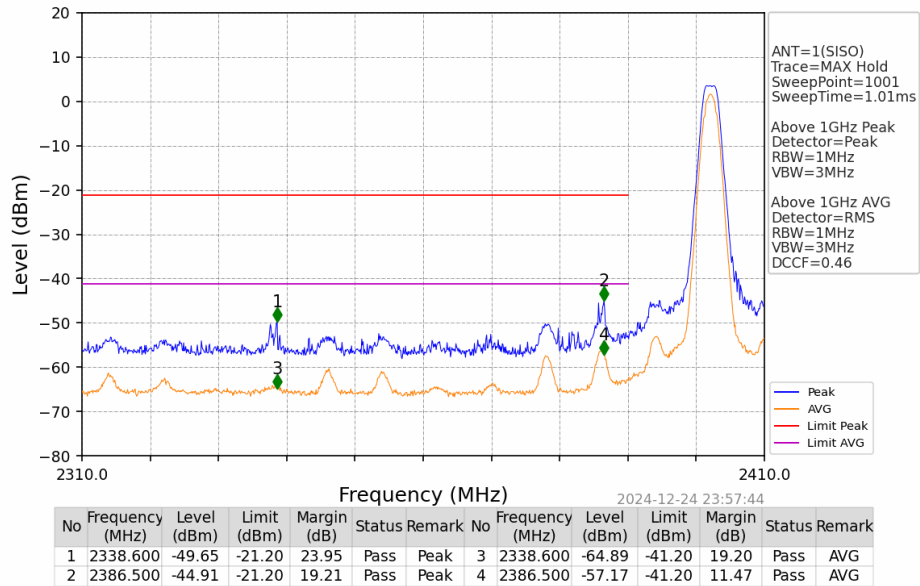
BLE 1M – Low Channel – Plot



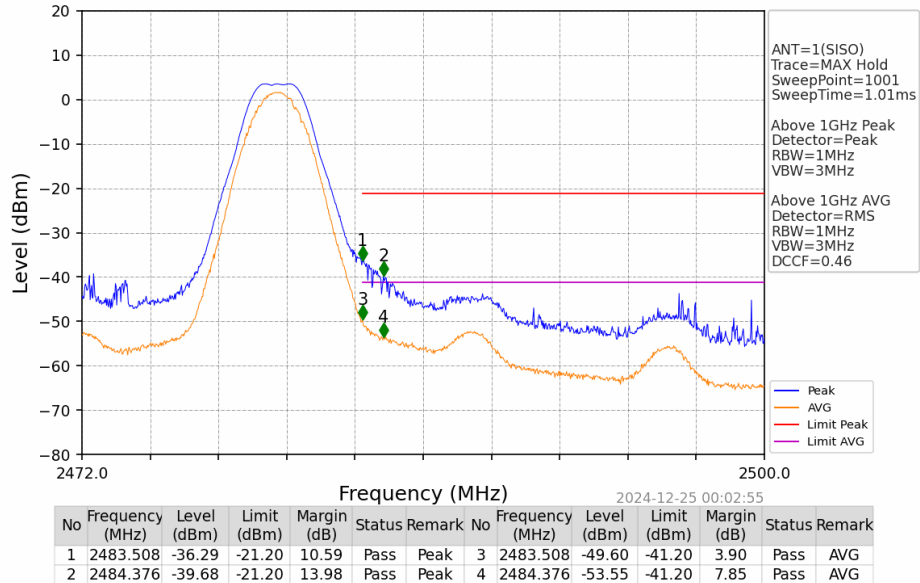
BLE 1M – High Channel – Plot



### BLE 2M – Low Channel – Plot



### BLE 2M – High Channel – Plot



## 9 Measurement Uncertainty

The measurement uncertainty figures are calculated in accordance with TR 100 028-1 [2] and correspond to an expansion factor (coverage factor)  $k = 2$  (which provides confidence levels of 95.45 % in the case where the distributions characterizing the actual measurement uncertainties are normal (Gaussian)).

Measurement uncertainty is not used to adjust the measurements to determine compliance.

| Parameter                                     | Expanded Uncertainty for Normal k factor equal to 2 |                           |
|-----------------------------------------------|-----------------------------------------------------|---------------------------|
|                                               | Required                                            | Laboratory Actual         |
| Radio Frequency                               | $\pm 1 \times 10^{-5}$                              | $\pm 9.8 \times 10^{-8}$  |
| total RF power, conducted                     | $\pm 1.5$ dB                                        | $\pm 1.2$ dB              |
| RF power density, conducted                   | $\pm 3$ dB                                          | $\pm 0.7$ dB              |
| spurious emissions, conducted                 | $\pm 3$ dB                                          | $\pm 2.1$ dB              |
| all emissions, radiated                       | $\pm 6$ dB                                          | $\pm 4.8$ dB              |
| temperature                                   | $\pm 1^{\circ}\text{C}$                             | $\pm 0.5^{\circ}\text{C}$ |
| humidity                                      | $\pm 5$ %                                           | $\pm 3.5$ %               |
| DC and low frequency voltages                 | $\pm 3$ %                                           | $\pm 0.4$ %               |
| Conducted disturbance at mains port using AMN | $\pm 3.4$ dB                                        | $\pm 2.5$ dB              |

## 10 Revision History

| Revision Level | Description of changes                                                   | Revision Date |
|----------------|--------------------------------------------------------------------------|---------------|
| 0              | Initial release                                                          | 28 May 2025   |
| 1              | Added information and test results for second insole (throughout report) | 11 June 2025  |
|                |                                                                          |               |
|                |                                                                          |               |
|                |                                                                          |               |
|                |                                                                          |               |
|                |                                                                          |               |
|                |                                                                          |               |
|                |                                                                          |               |
|                |                                                                          |               |
|                |                                                                          |               |