

### Summary of Radiated Tx Emissions

| Measured Frequency Range (MHz) | Channel Frequency (MHz) | Antenna Polarization | Emission Frequency (MHz) | Measured Emission [E <sub>Meas</sub> ] (dBuV) | Antenna ACF [ACF] (dB) | Cable Loss [L <sub>c</sub> ] (dB) | Amplifier Gain [G <sub>A</sub> ] (dB) | Corrected Emission [E <sub>Corr</sub> ] (dBuV/m) | Limit (dBuV)    | Margin (dB) |
|--------------------------------|-------------------------|----------------------|--------------------------|---|------------------------|-----------------------------------|---------------------------------------|--|-----------------|-------------|
| 30-1000 MHz                    | 2440.0                  | Horizontal           | ND                       | (1) AV  | n/a                    | n/a                               | 0.00 (3)                              | ND   | n/a             | (1)         |
| 30-1000 MHz                    |                         | Vertical             | ND                       | (1) AV  | n/a                    | n/a                               | 0.00 (3)                              | ND   | n/a             | (1)         |
| 1-18 GHz                       |                         | Horizontal           | ND                       | (1) AV  | n/a                    | n/a                               | 0.00 (3)                              | ND   | n/a             | (1)         |
| 1-18GHz                        |                         | Vertical             | ND                       | (1) AV  | n/a                    | n/a                               | 0.00 (3)                              | ND   | n/a             | (1)         |
| 18-25 GHz                      |                         | Horizontal           | ND                       | (1) AV  | n/a                    | n/a                               | 0.00 (3)                              | ND   | n/a             | (1)         |
| 18 -25 GHz                     |                         | Vertical             | ND                       | (1) AV  | n/a                    | n/a                               | 0.00 (3)                              | ND   | n/a             | (1)         |
| <b>Results:</b>                |                         |                      |                          |   |                        |                                   |                                       |  | <b>Complies</b> |             |

(1) No Emissions Detected (ND) above ambient or within 20dB of the limit

(2) Antenna ACF, Cable Loss and Amplifier Gain corrected in Spectrum Analyzer Transducer Factor

(3) External Amplifier not used

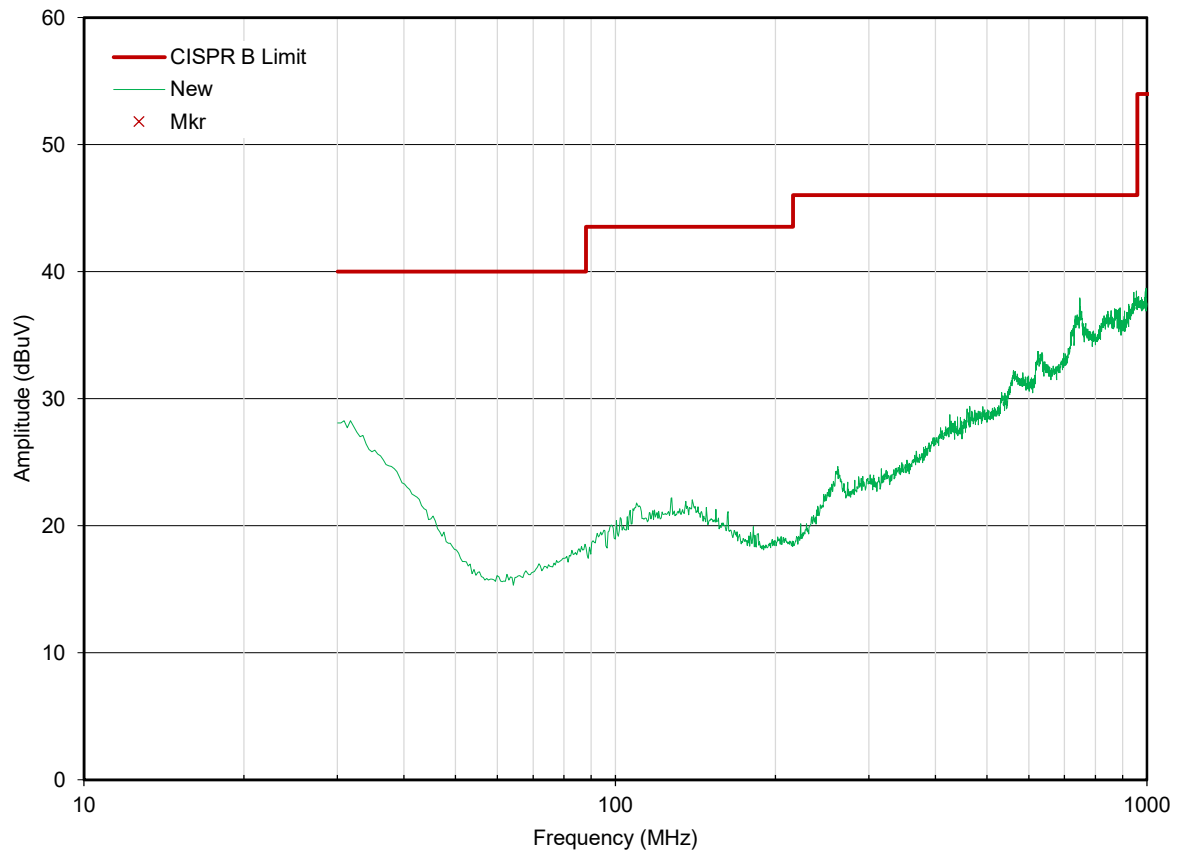
$$E_{\text{Corr}} = E_{\text{Meas}} + ACF^E + L_C - G_A$$

Where ACF<sup>E</sup> is the Electric Antenna Correction Factor

\* Without Manufacturer's Accessories, \*\* With Manufacturer's Accessories

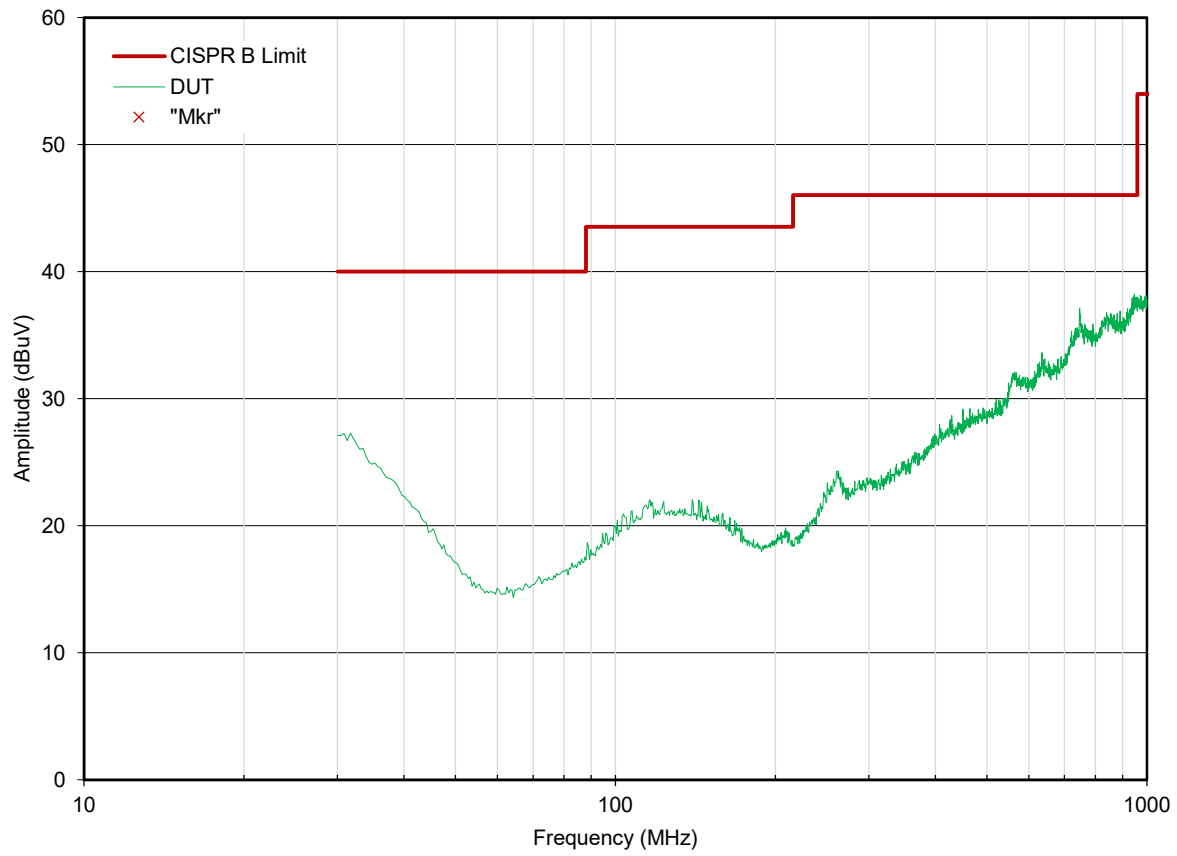
**Radiated Tx Emissions:**

Radiated Tx Emissions (30MHz - 1GHz)  
OATS Horizontal



## Radiated Tx Emissions:

Radiated Tx Emissions (30MHz - 1GHz)  
OATS Vertical



# Radiated Tx Emissions:



\*RBW 1 MHz    Marker 1 [T1 ]  
VBW 10 MHz    40.71 dBuV  
SWT 10 ms    2.404020000 GHz

Ref 77 dBuV

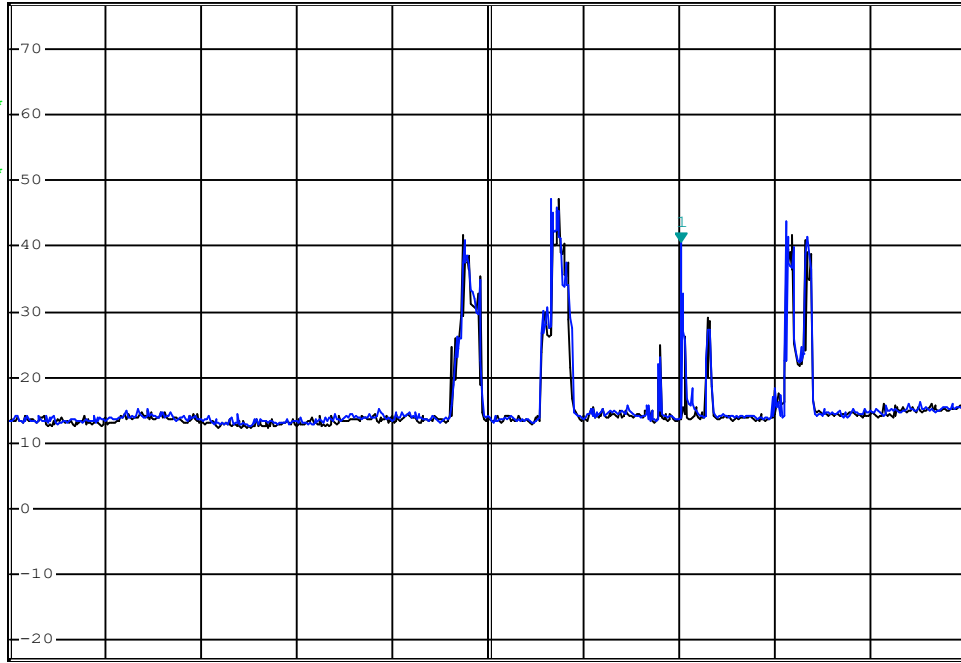
\*Att 0 dB

1 RM\*

VIEW

2 RM\*

VIEW



Date: 3.APR.2024 16:06:20

Channel: 2

Mode: BT BR

Polarization: Horizontal

Emission Frequency: Fundamental MHz

Channel Frequency: 2404 MHz

Modulation: GFSK

Measured Channel Power: 40.71 dBuV

# Radiated Tx Emissions:



\*RBW 1 MHz    Marker 1 [T1 ]  
VBW 10 MHz    48.20 dBuV  
SWT 10 ms    2.404020000 GHz

Ref 77 dBuV

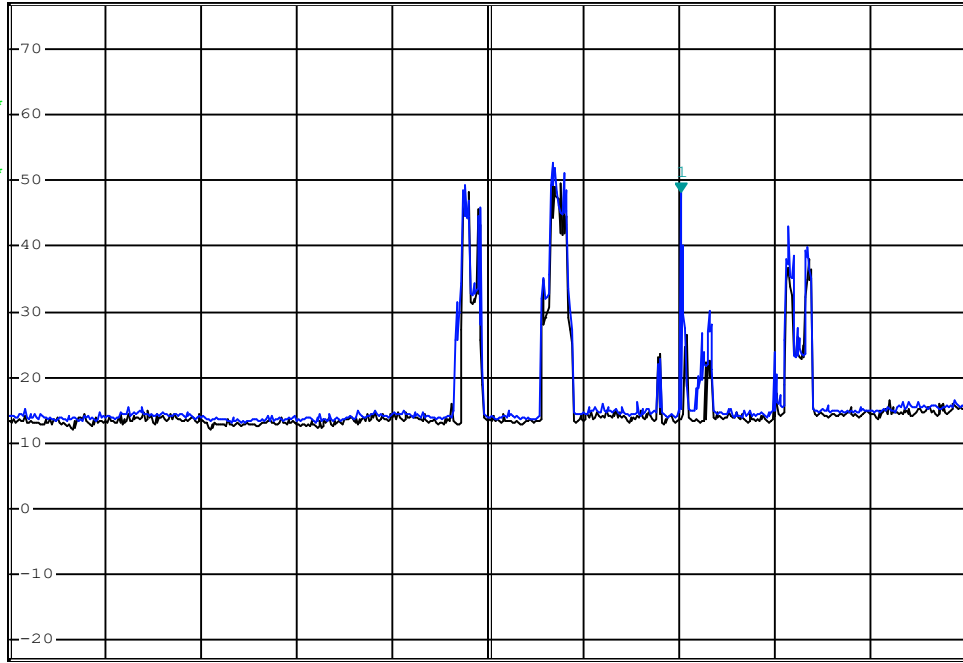
\*Att 0 dB

1 RM\*

VIEW

2 RM\*

VIEW



Date: 3.APR.2024 16:03:26

Channel: 2

Mode: BT BR

Polarization: Vertical

Emission Frequency: Fundamental MHz

Channel Frequency: 2404 MHz

Modulation: GFSK

Measured Channel Power: 48.20 dBuV









# Radiated Tx Emissions:

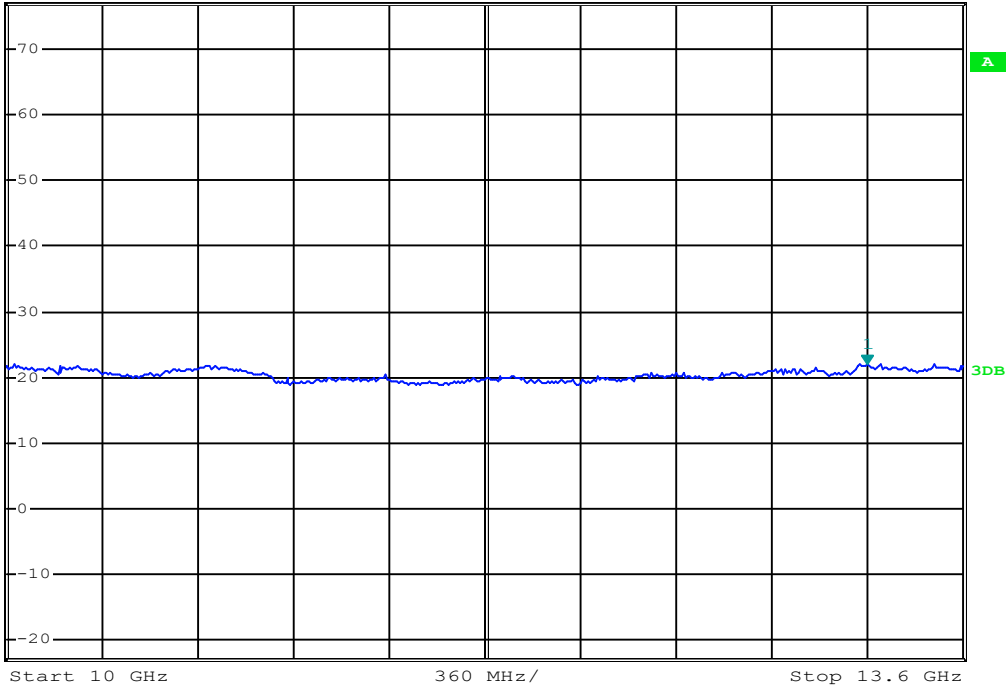


\*RBW 1 MHz     Marker 1 [T1 ]  
VBW 10 MHz     21.96 dB $\mu$ V  
SWT 75 ms     13.24000000 GHz

Ref 77 dB $\mu$ V

\*Att 0 dB

1 RM\*  
VIEW



Date: 3.APR.2024 16:11:05

Channel:

Channel Frequency:  MHz

Mode:

Modulation:

Polarization:

Measured Emission Power:  dBuV

Emission Frequency:  MHz

# Radiated Tx Emissions:

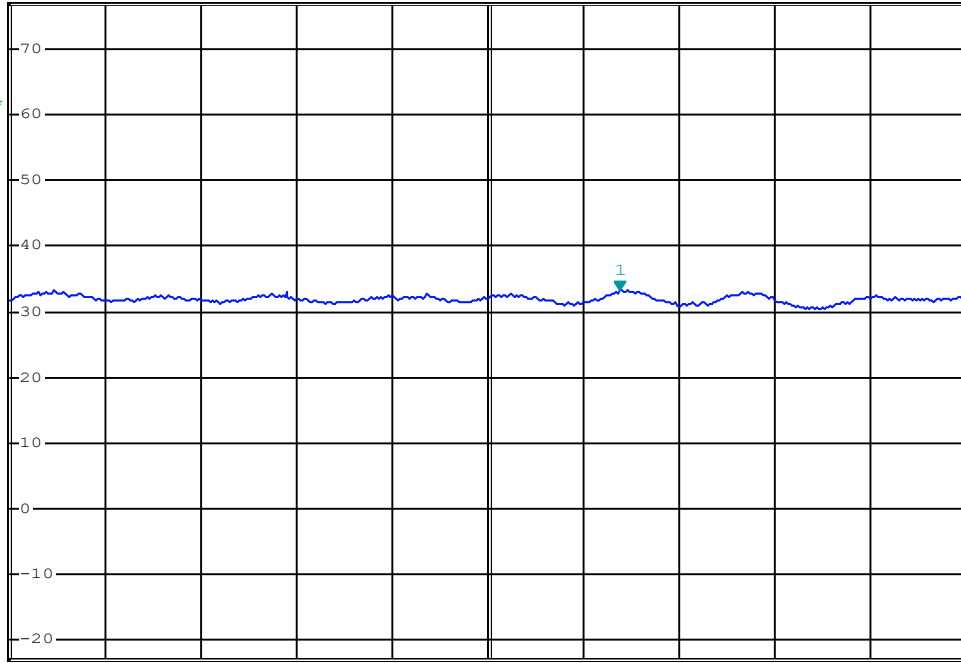


\*RBW 1 MHz    Marker 1 [T1 ]  
VBW 10 MHz    33.26 dBuV  
SWT 90 ms    16.407200000 GHz

Ref 77 dBuV

\*Att 0 dB

1 RM\*  
VIEW



Start 13.6 GHz    440 MHz/    Stop 18 GHz

Date: 3.APR.2024 16:09:08

Channel:

Channel Frequency:  MHz

Mode:

Modulation:

Polarization:

Measured Emission Power:  dBuV

Emission Frequency:  MHz

# Radiated Tx Emissions:

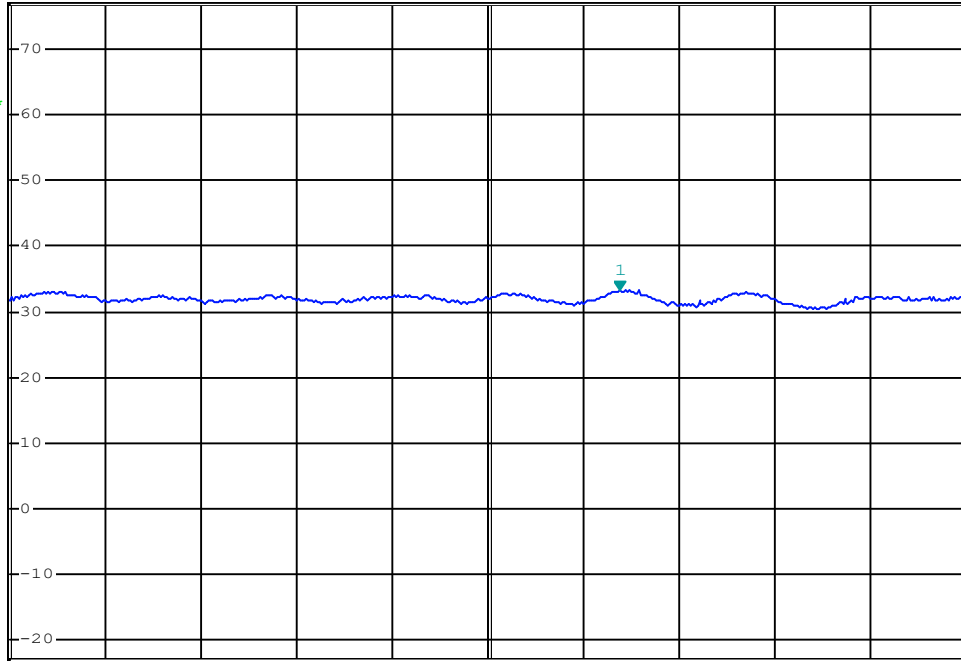


\*RBW 1 MHz    Marker 1 [T1 ]  
VBW 10 MHz    33.36 dBuV  
SWT 90 ms    16.407200000 GHz

Ref 77 dBuV

\*Att 0 dB

1 RM\*  
VIEW



Start 13.6 GHz    440 MHz/    Stop 18 GHz

Date: 3.APR.2024 16:11:21

Channel:

Channel Frequency:  MHz

Mode:

Modulation:

Polarization:

Measured Emission Power:  dBuV

Emission Frequency:  MHz

### Summary of Radiated Tx Emissions

| Measured Frequency Range (MHz) | Channel Frequency (MHz) | Antenna Polarization | Emission Frequency (MHz) | Measured Emission [E <sub>Meas</sub> ] (dBuV) | Antenna ACF [ACF] (dB) | Cable Loss [L <sub>c</sub> ] (dB) | Amplifier Gain [G <sub>A</sub> ] (dB) | Corrected Emission [E <sub>Corr</sub> ] (dBuV/m) | Limit (dBuV)    | Margin (dB) |
|--------------------------------|-------------------------|----------------------|--------------------------|---|------------------------|-----------------------------------|---------------------------------------|--|-----------------|-------------|
| 30-1000 MHz                    | 2440.0                  | Horizontal           | ND                       | (1) AV  | n/a                    | n/a                               | 0.00 (3)                              | ND   | n/a             | (1)         |
| 30-1000 MHz                    |                         | Vertical             | ND                       | (1) AV  | n/a                    | n/a                               | 0.00 (3)                              | ND   | n/a             | (1)         |
| 1-18 GHz                       |                         | Horizontal           | ND                       | (1) AV  | n/a                    | n/a                               | 0.00 (3)                              | ND   | n/a             | (1)         |
| 1-18GHz                        |                         | Vertical             | ND                       | (1) AV  | n/a                    | n/a                               | 0.00 (3)                              | ND   | n/a             | (1)         |
| 18-25 GHz                      |                         | Horizontal           | ND                       | (1) AV  | n/a                    | n/a                               | 0.00 (3)                              | ND   | n/a             | (1)         |
| 18 -25 GHz                     |                         | Vertical             | ND                       | (1) AV  | n/a                    | n/a                               | 0.00 (3)                              | ND   | n/a             | (1)         |
| <b>Results:</b>                |                         |                      |                          |   |                        |                                   |                                       |  | <b>Complies</b> |             |

(1) No Emissions Detected (ND) above ambient or within 20dB of the limit

(2) Antenna ACF, Cable Loss and Amplifier Gain corrected in Spectrum Analyzer Transducer Factor

(3) External Amplifier not used

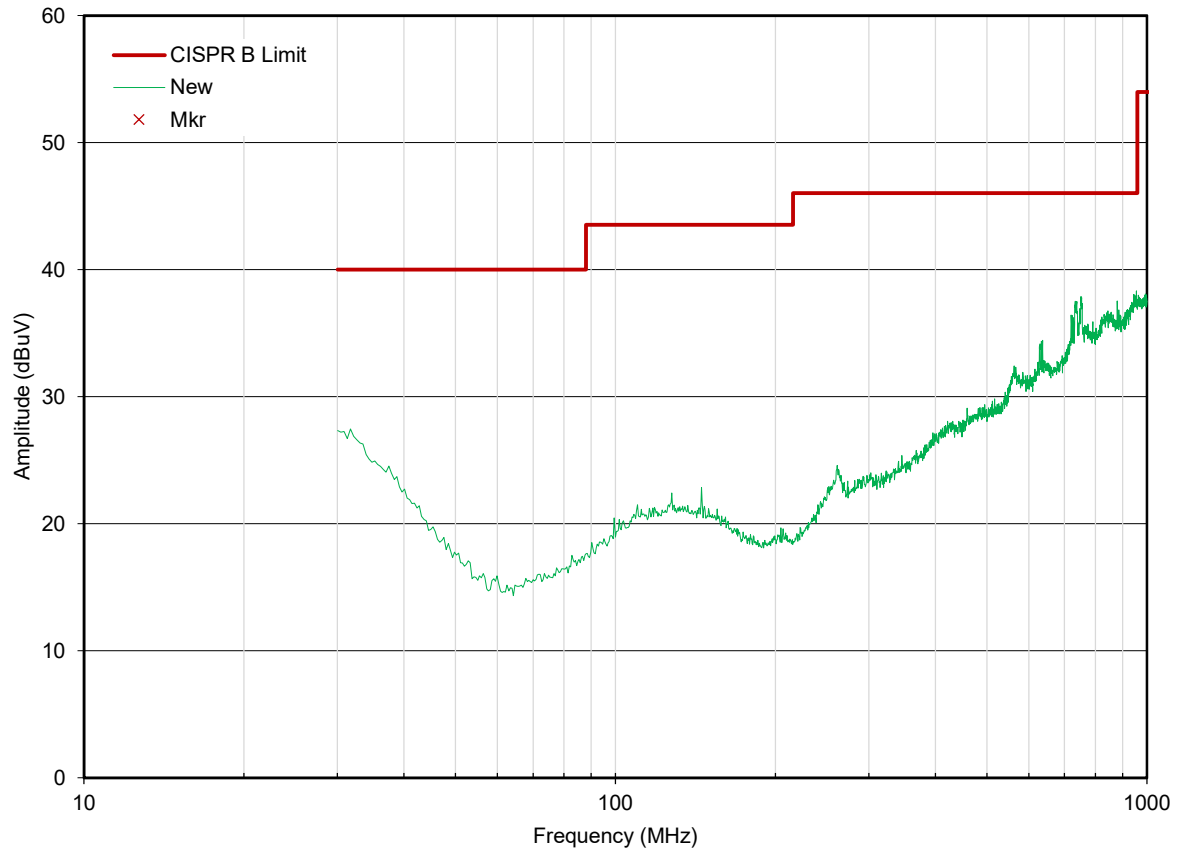
$$E_{\text{Corr}} = E_{\text{Meas}} + ACF^E + L_C - G_A$$

Where ACF<sup>E</sup> is the Electric Antenna Correction Factor

\* Without Manufacturer's Accessories, \*\* With Manufacturer's Accessories

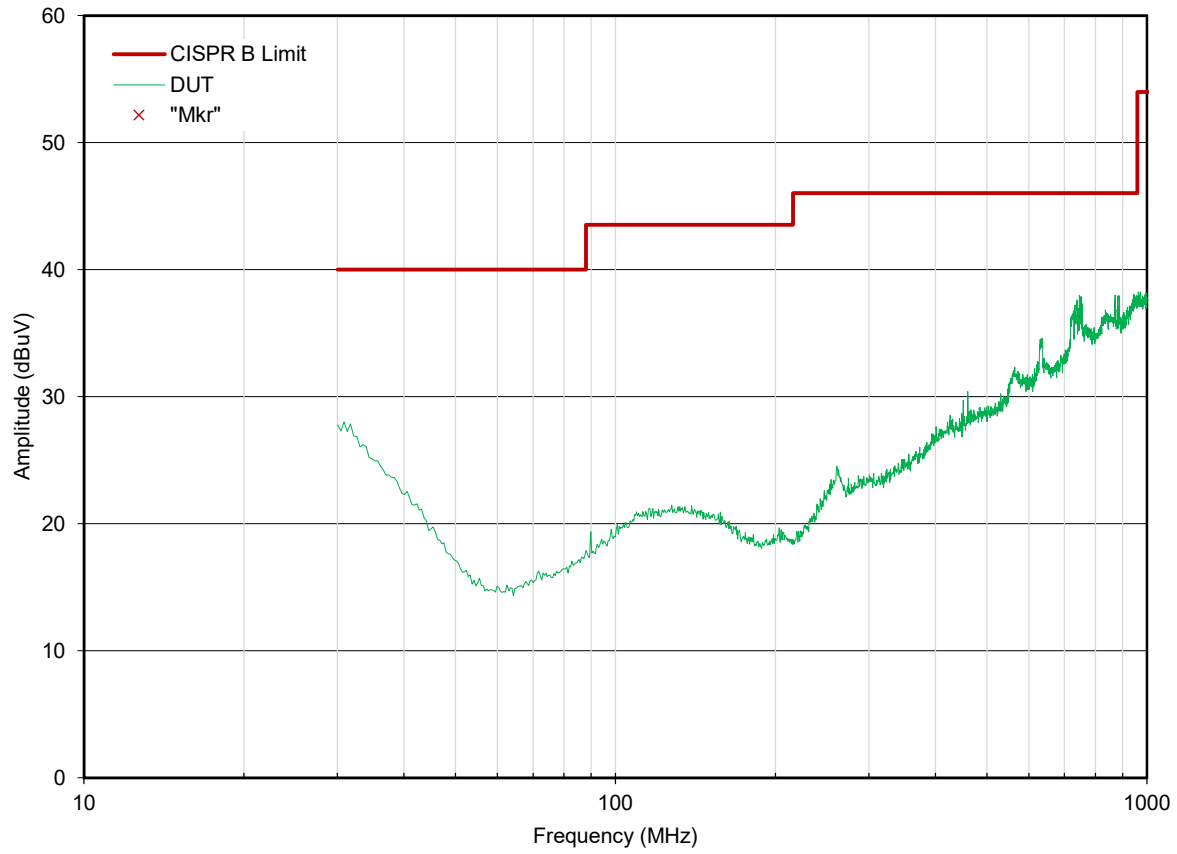
**Radiated Tx Emissions:**

Radiated Tx Emissions (30MHz - 1GHz)  
OATS Horizontal



**Radiated Tx Emissions:**

Radiated Tx Emissions (30MHz - 1GHz)  
OATS Vertical



# Radiated Tx Emissions:



\*RBW 1 MHz    Marker 1 [T1 ]  
VBW 10 MHz    40.71 dBuV  
SWT 10 ms    2.404020000 GHz

Ref 77 dBuV

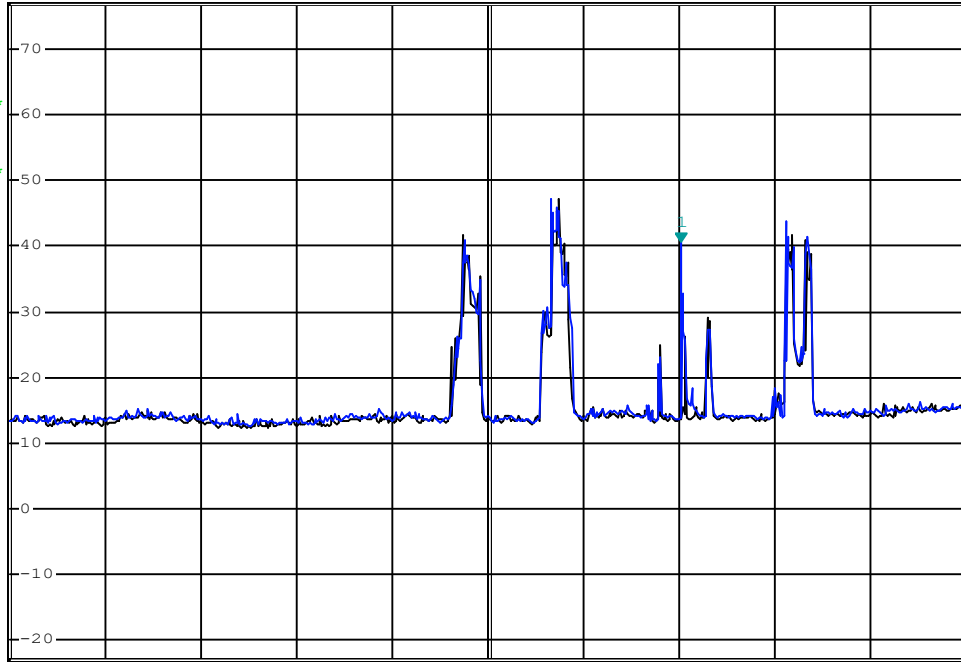
\*Att 0 dB

1 RM\*

VIEW

2 RM\*

VIEW



Date: 3.APR.2024 16:06:20

Channel:

Channel Frequency:  MHz

Mode:

Modulation:

Polarization:

Measured Channel Power:  dBuV

Emission Frequency:  MHz

# Radiated Tx Emissions:



\*RBW 1 MHz    Marker 1 [T1 ]  
VBW 10 MHz    48.20 dBuV  
SWT 10 ms    2.404020000 GHz

Ref 77 dBuV

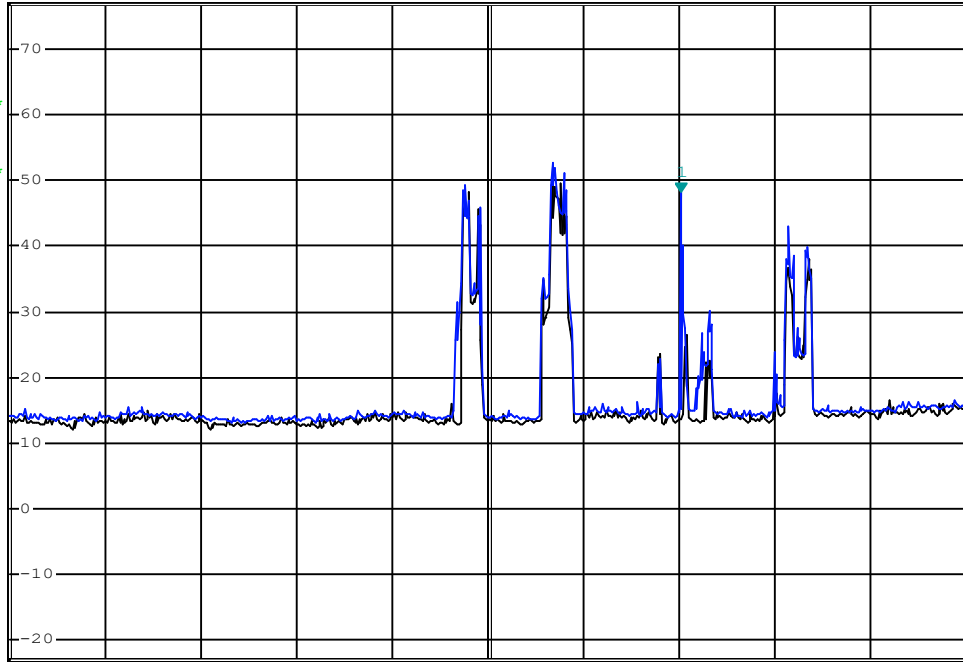
\*Att 0 dB

1 RM\*

VIEW

2 RM\*

VIEW



Date: 3.APR.2024 16:03:26

Channel:

Channel Frequency:  MHz

Mode:

Modulation:

Polarization:

Measured Channel Power:  dBuV

Emission Frequency:  MHz



### Radiated Tx Emissions:

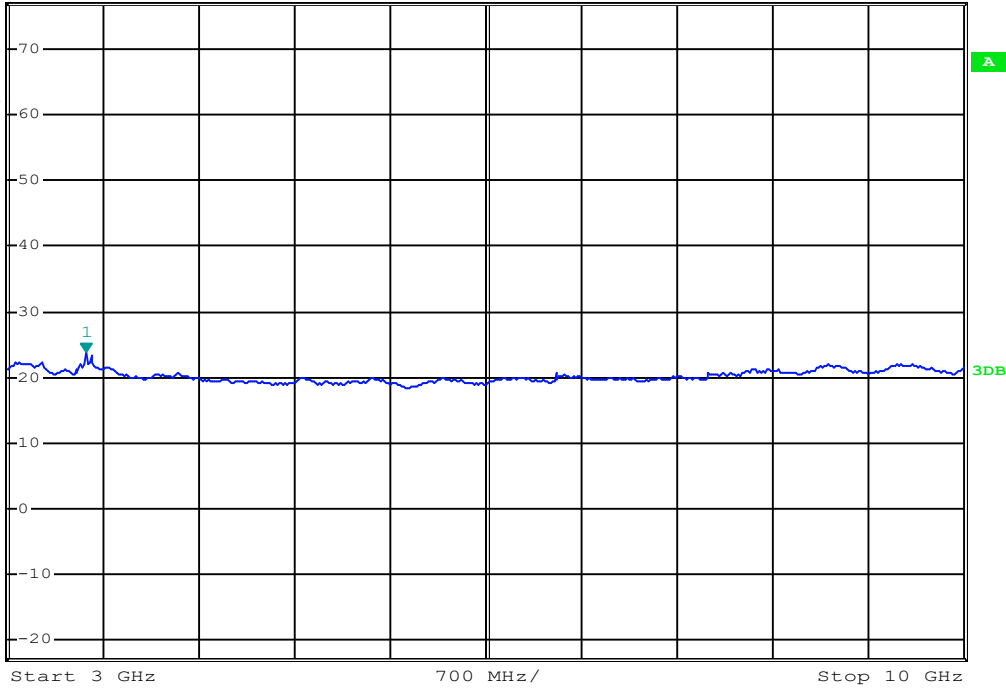


\*RBW 1 MHz      Marker 1 [T1 ]  
VBW 10 MHz      23.76 dBuV  
SWT 140 ms      3.574000000 GHz

Ref 77 dBuV

\*Att 0 dB

1 RM\*  
VIEW



Date: 3.APR.2024 16:08:26

Channel:

Channel Frequency:  MHz

Mode:

Modulation:

Polarization:

Measured Emission Power:  dBuV

Emission Frequency:  MHz

### Radiated Tx Emissions:

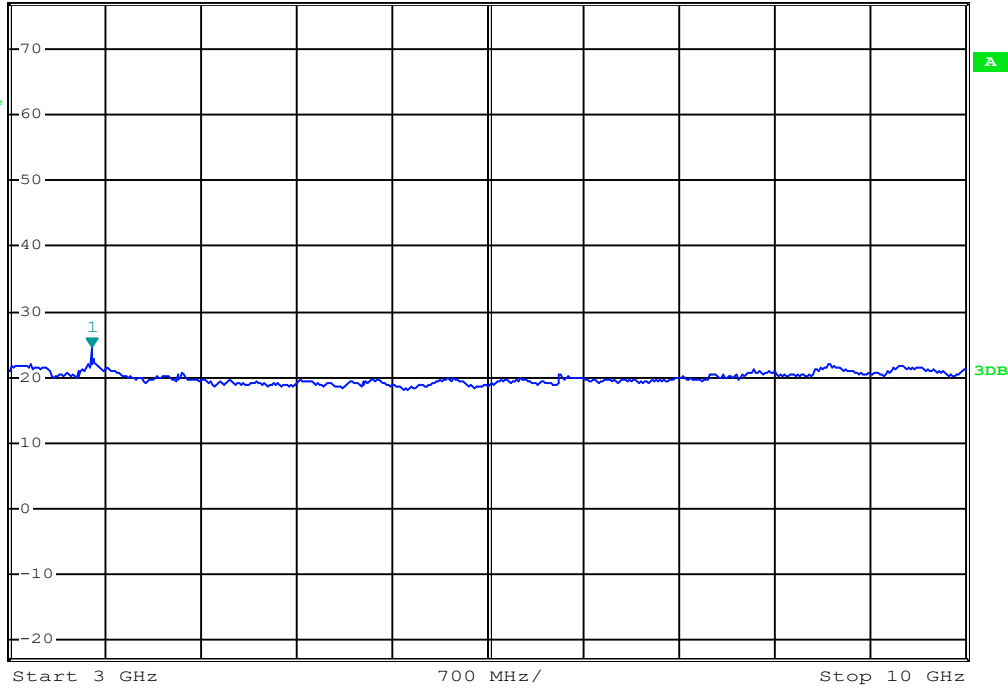


\*RBW 1 MHz    Marker 1 [T1 ]  
VBW 10 MHz    24.75 dBuV  
SWT 140 ms    3.602000000 GHz

Ref 77 dBuV

\*Att 0 dB

1 RM\*  
VIEW



Date: 3.APR.2024 16:10:49

Channel: 2

Channel Frequency: 2404 MHz

Mode: BT BR

Modulation: GFSK

Polarization: Vertical

Measured Emission Power: ND dBuV

Emission Frequency: ND MHz

# Radiated Tx Emissions:

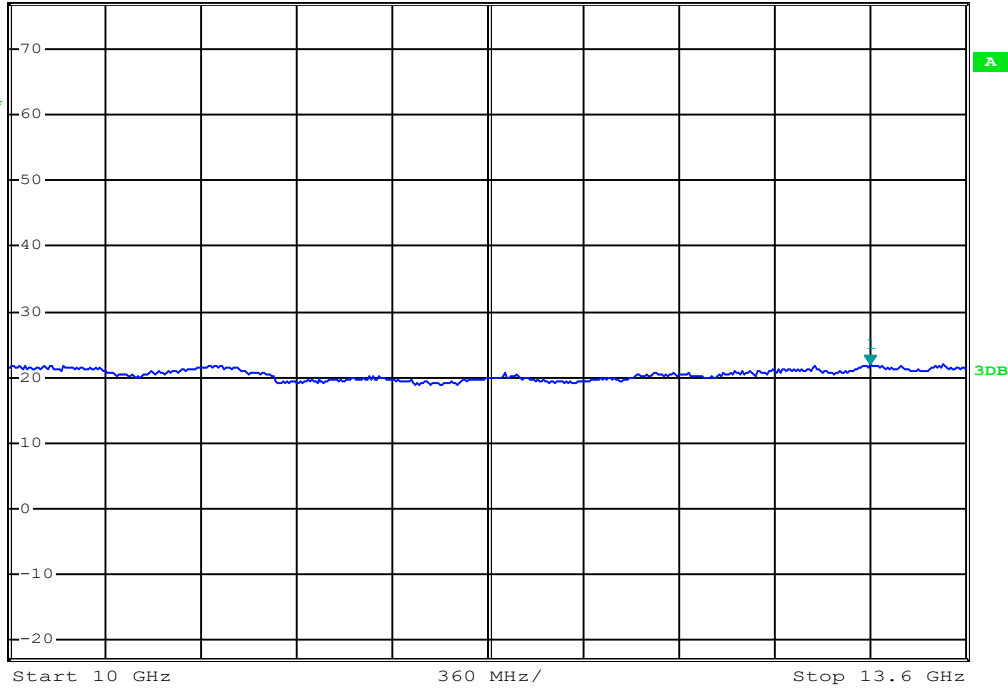


\*RBW 1 MHz      Marker 1 [T1 ]  
VBW 10 MHz      22.00 dBuV  
SWT 75 ms      13.24000000 GHz

Ref 77 dBuV

\*Att 0 dB

1 RM\*  
VIEW



Date: 3.APR.2024 16:08:46

Channel:

Channel Frequency:  MHz

Mode:

Modulation:

Polarization:

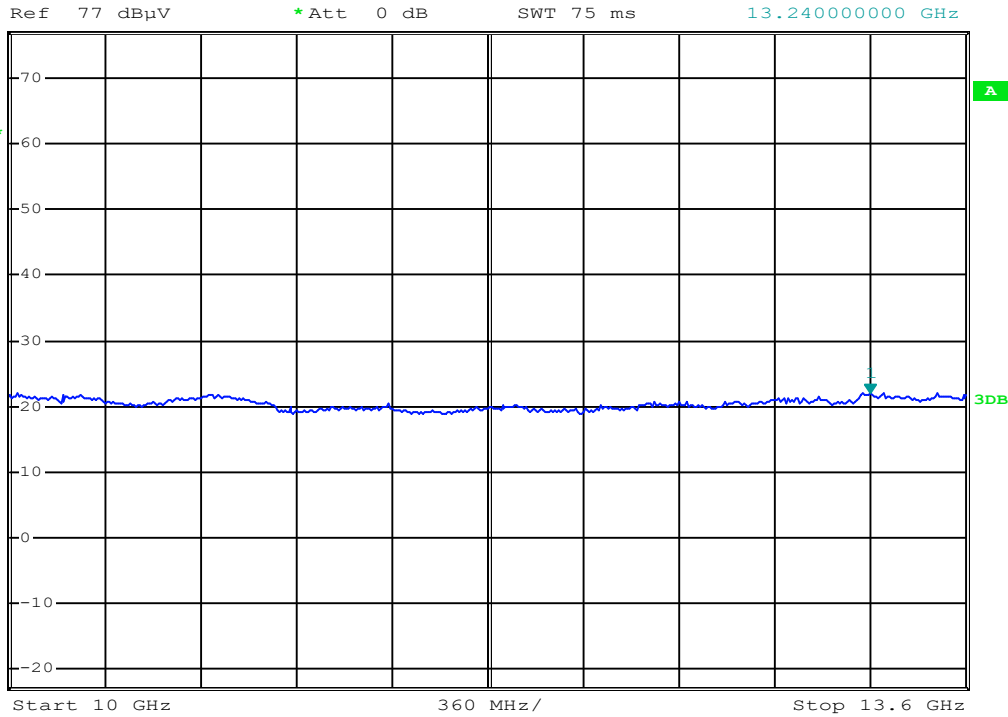
Measured Emission Power:  dBuV

Emission Frequency:  MHz

# Radiated Tx Emissions:



\*RBW 1 MHz      Marker 1 [T1 ]  
VBW 10 MHz      21.96 dBµV  
SWT 75 ms      13.24000000 GHz



Date: 3.APR.2024 16:11:05

Channel:

Mode:

Polarization:

Emission Frequency:  MHz

Channel Frequency:  MHz

Modulation:

Measured Emission Power:  dBµV

# Radiated Tx Emissions:

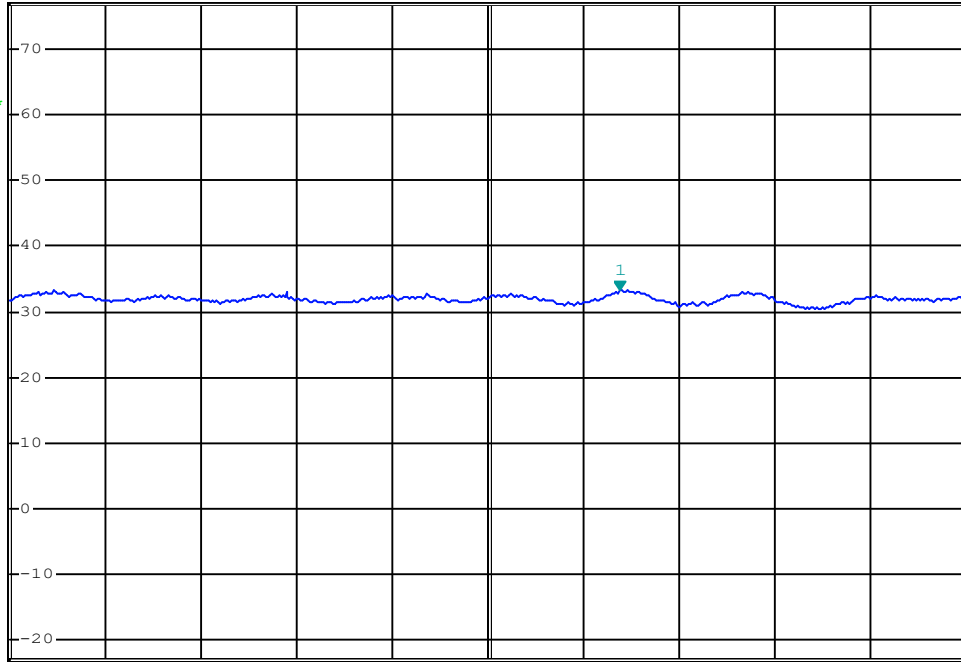


\*RBW 1 MHz    Marker 1 [T1 ]  
VBW 10 MHz    33.26 dBuV  
SWT 90 ms    16.407200000 GHz

Ref 77 dBuV

\*Att 0 dB

1 RM\*  
VIEW



Start 13.6 GHz    440 MHz/    Stop 18 GHz

Date: 3.APR.2024 16:09:08

Channel:

Channel Frequency:  MHz

Mode:

Modulation:

Polarization:

Measured Emission Power:  dBuV

Emission Frequency:  MHz

# Radiated Tx Emissions:

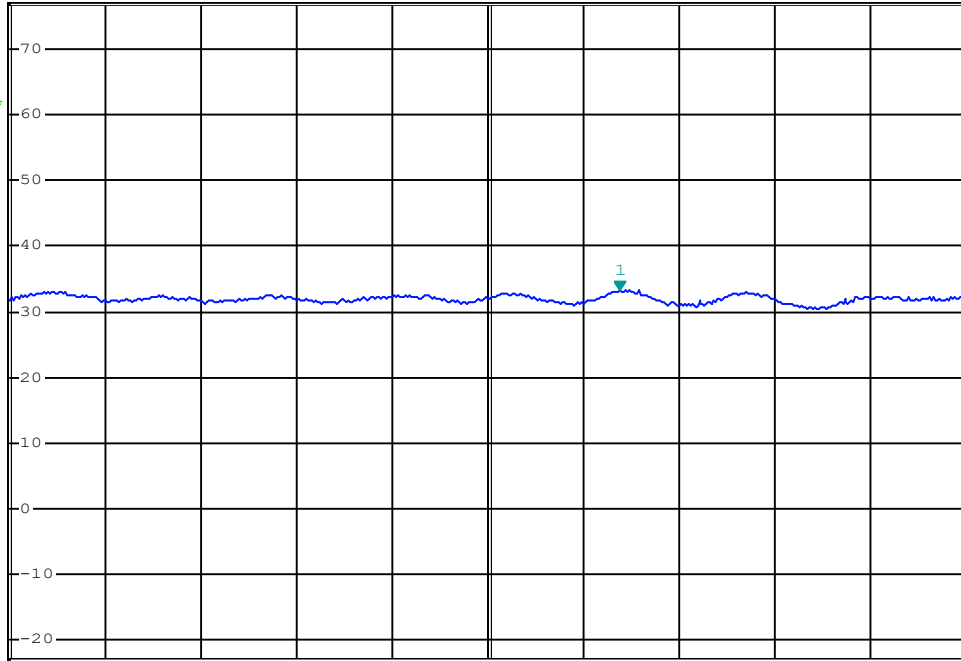


\*RBW 1 MHz    Marker 1 [T1 ]  
VBW 10 MHz    33.36 dBuV  
SWT 90 ms    16.407200000 GHz

Ref 77 dBuV

\*Att 0 dB

1 RM\*  
VIEW



Start 13.6 GHz    440 MHz/    Stop 18 GHz

Date: 3.APR.2024 16:11:21

Channel:

Channel Frequency:  MHz

Mode:

Modulation:

Polarization:

Measured Emission Power:  dBuV

Emission Frequency:  MHz