

### 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

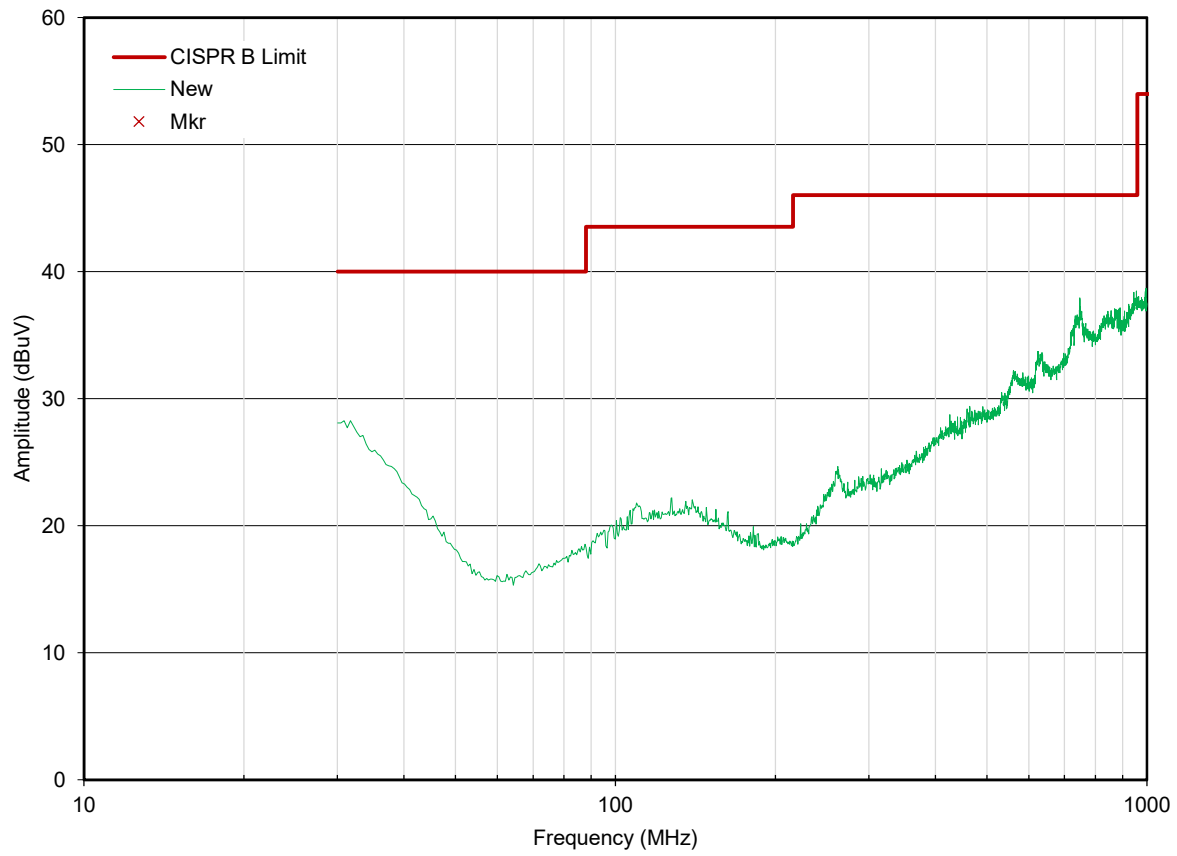
$$E_{\text{Corr}} = E_{\text{Meas}} + ACF^E + L_C - G_A$$

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

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

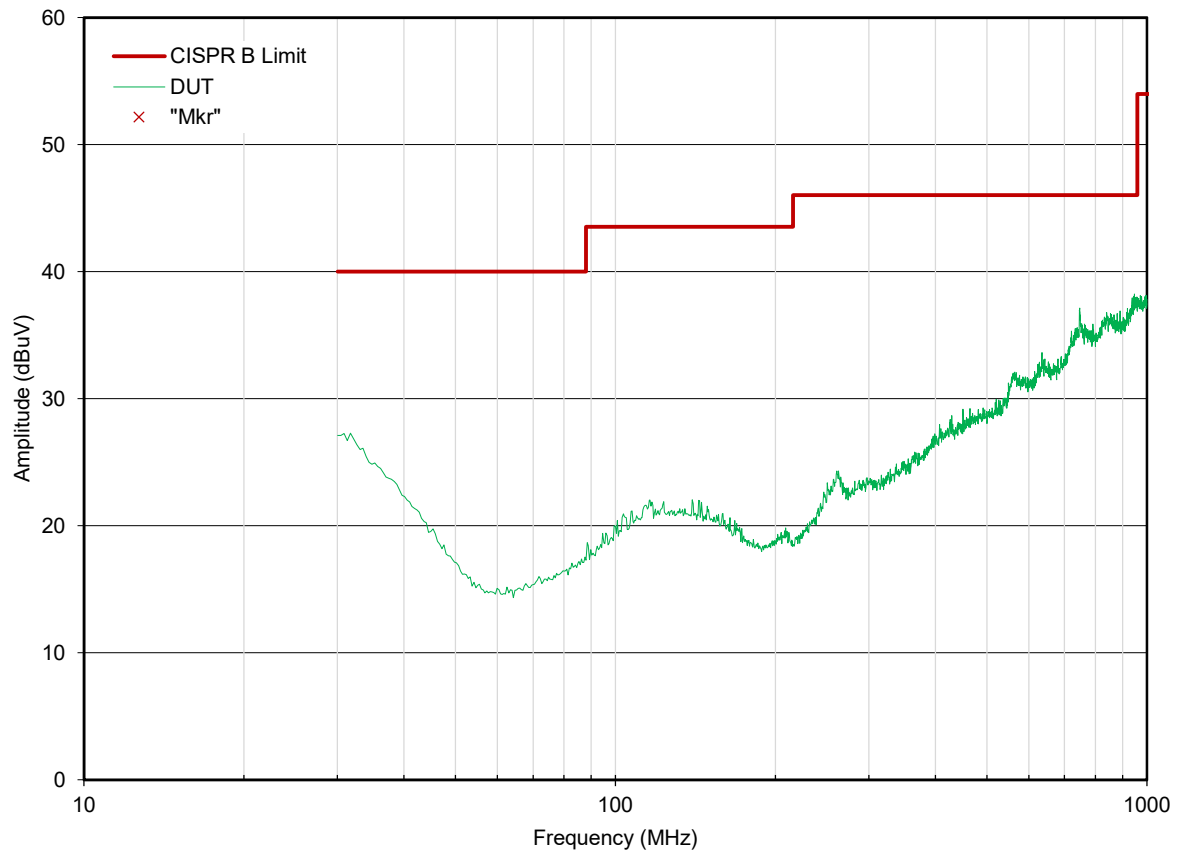
## Radiated Tx Emissions:

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

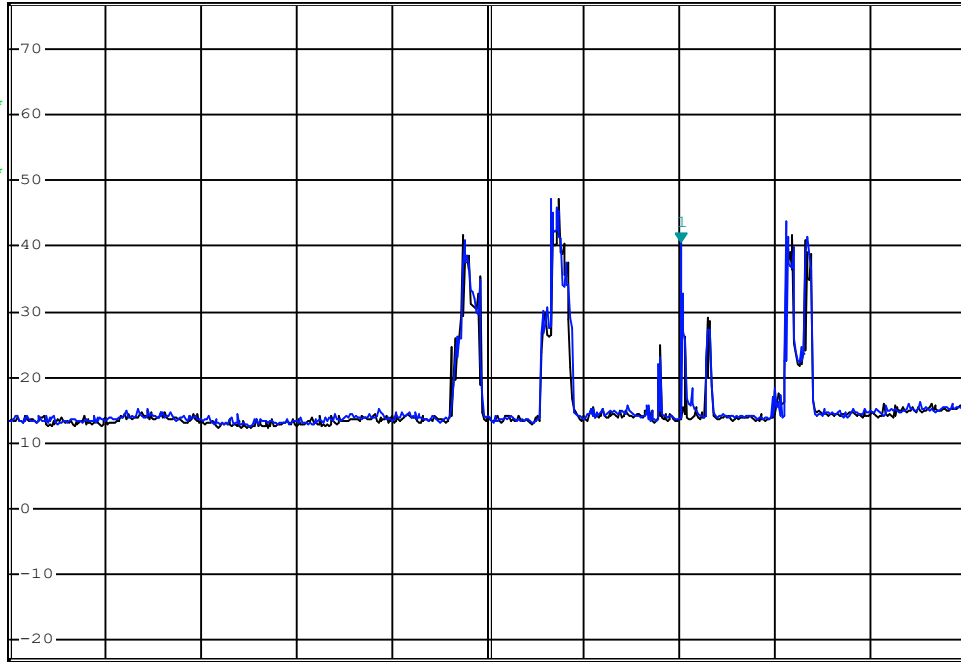
\*Att 0 dB

1 RM\*

VIEW

2 RM\*

VIEW



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

Channel: 2

Channel Frequency: 2404 MHz

Mode: BT BR

Modulation: GFSK

Polarization: Horizontal

Measured Channel Power: 40.71 dBuV

Emission Frequency: Fundamental 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

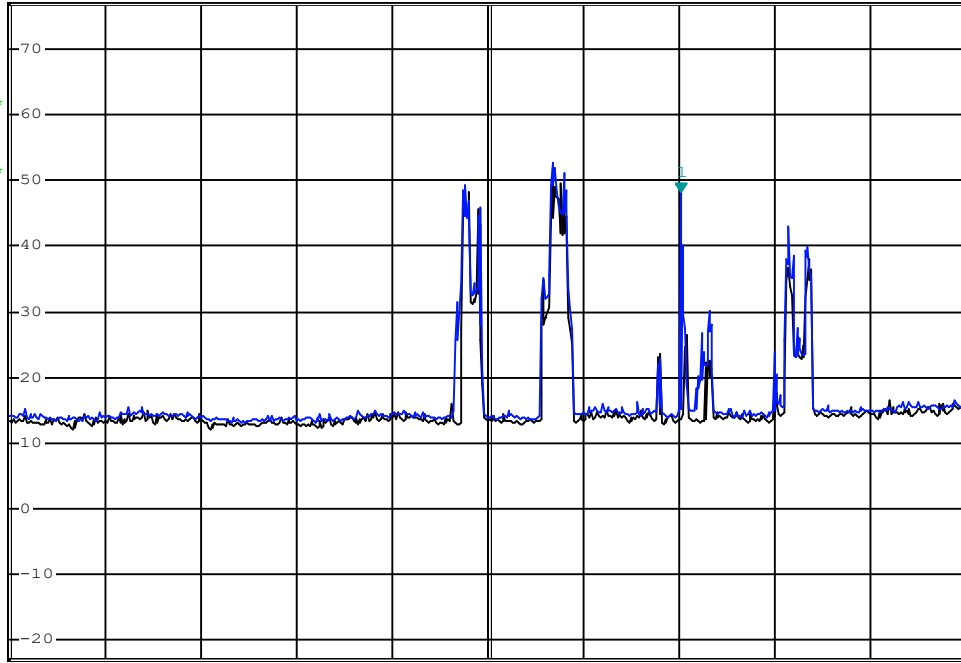
\*Att 0 dB

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:

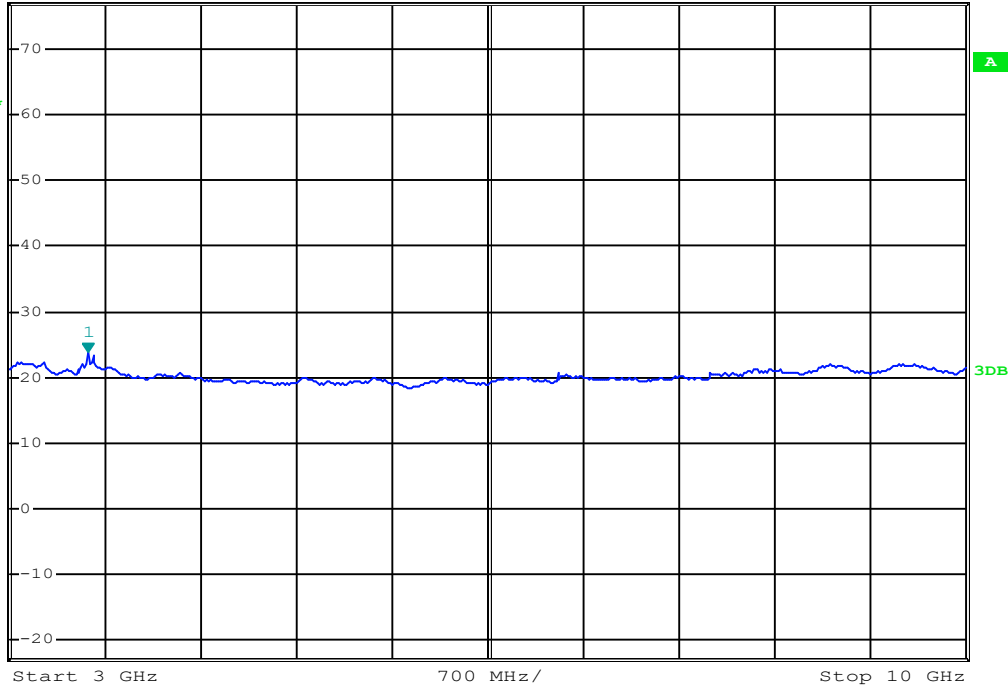


\*RBW 1 MHz      Marker 1 [T1 ]  
VBW 10 MHz      23.76 dBuV  
SWT 140 ms      3.574000000 GHz

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:**

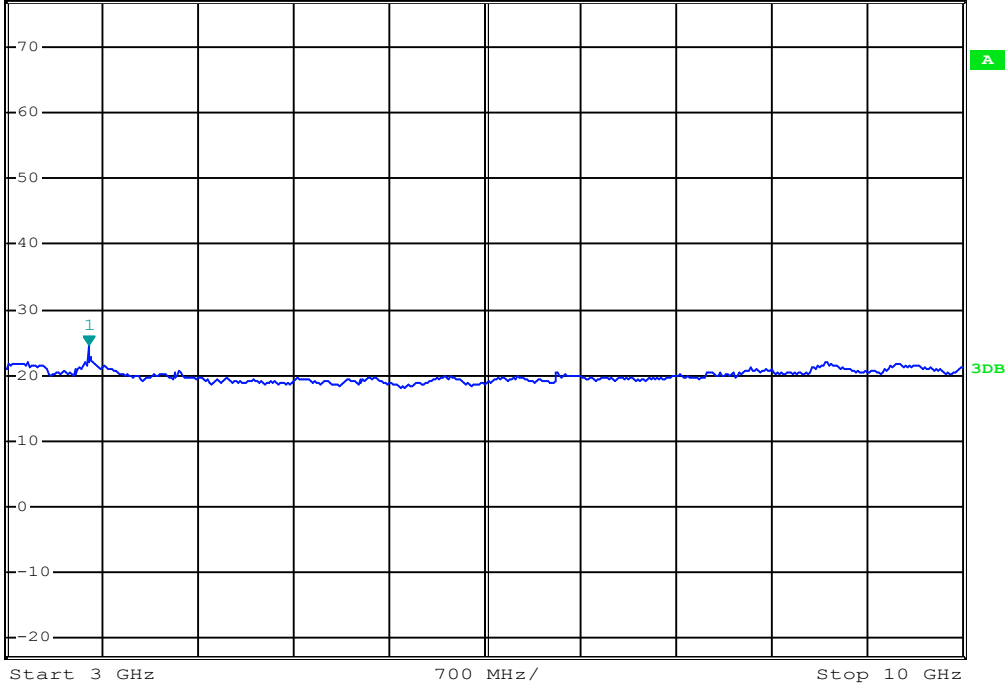


\*RBW 1 MHz    Marker 1 [T1 ]  
VBW 10 MHz    24.75 dBuV  
SWT 140 ms    3.602000000 GHz

Ref 77 dBuV

\*Att 0 dB

1 RM\*  
VIEW



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

Channel:

Channel Frequency:  MHz

Mode:

Modulation:

Polarization:

Measured Emission Power:  dBuV

Emission Frequency:  MHz

**Radiated Tx Emissions:**

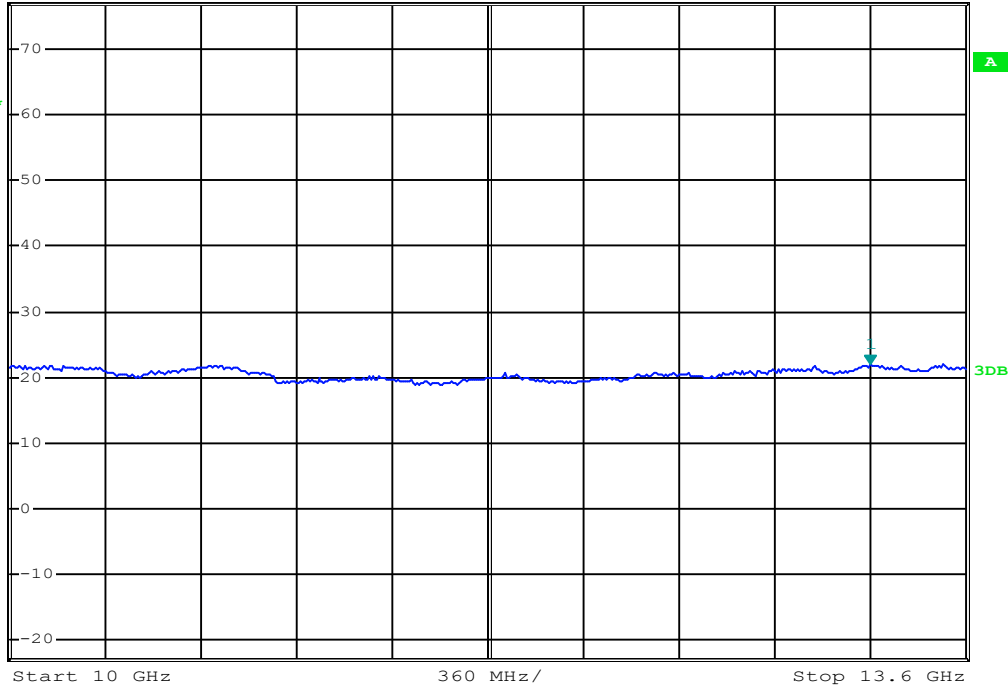


\*RBW 1 MHz     Marker 1 [T1 ]  
 VBW 10 MHz     22.00 dBμV  
 SWT 75 ms     13.24000000 GHz

Ref 77 dBμV

\*Att 0 dB

1 RM  
 VIEW



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

Channel:

Mode:

Polarization:

Emission Frequency:  MHz

Channel Frequency:  MHz

Modulation:

Measured Emission Power:  dBμV



# Radiated Tx Emissions:

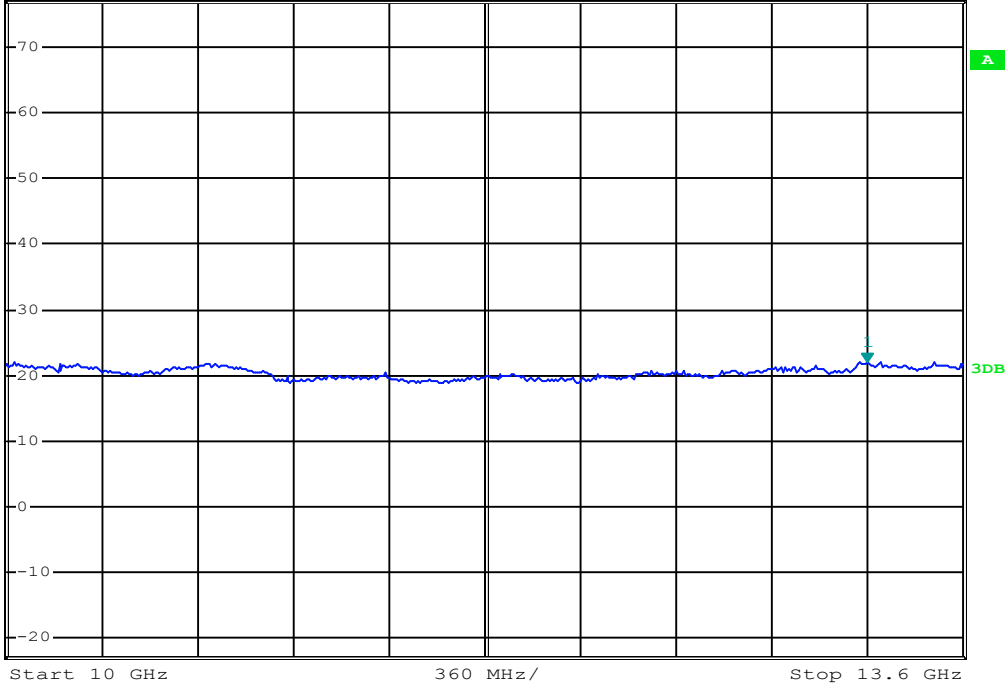


\*RBW 1 MHz      Marker 1 [T1 ]  
 VBW 10 MHz      21.96 dBuV  
 SWT 75 ms      13.24000000 GHz

Ref 77 dBuV

\*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:

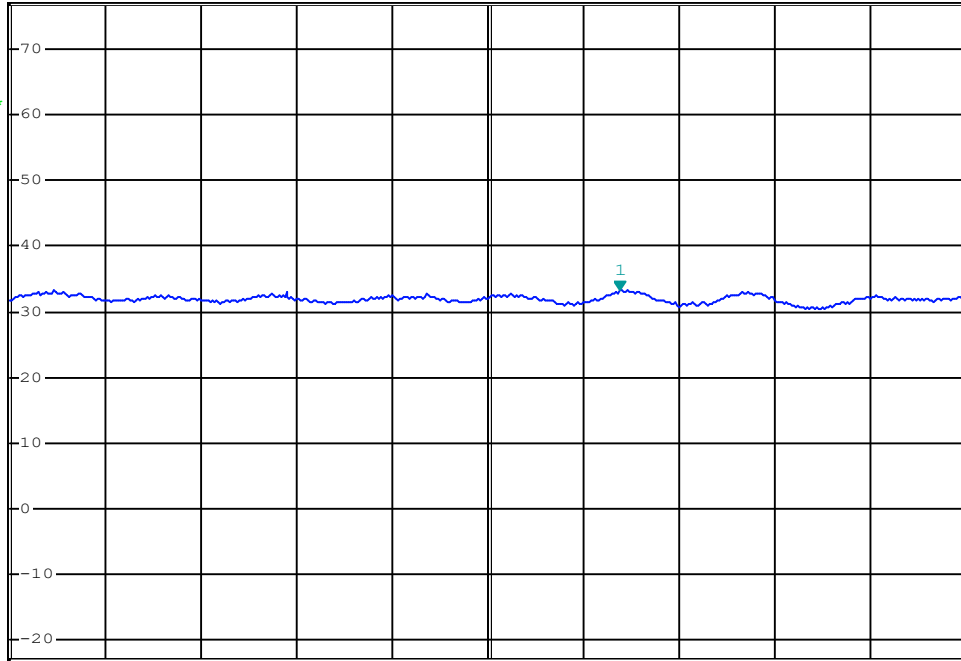


\*RBW 1 MHz    Marker 1 [T1 ]  
VBW 10 MHz    33.26 dBuV  
SWT 90 ms    16.407200000 GHz

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:

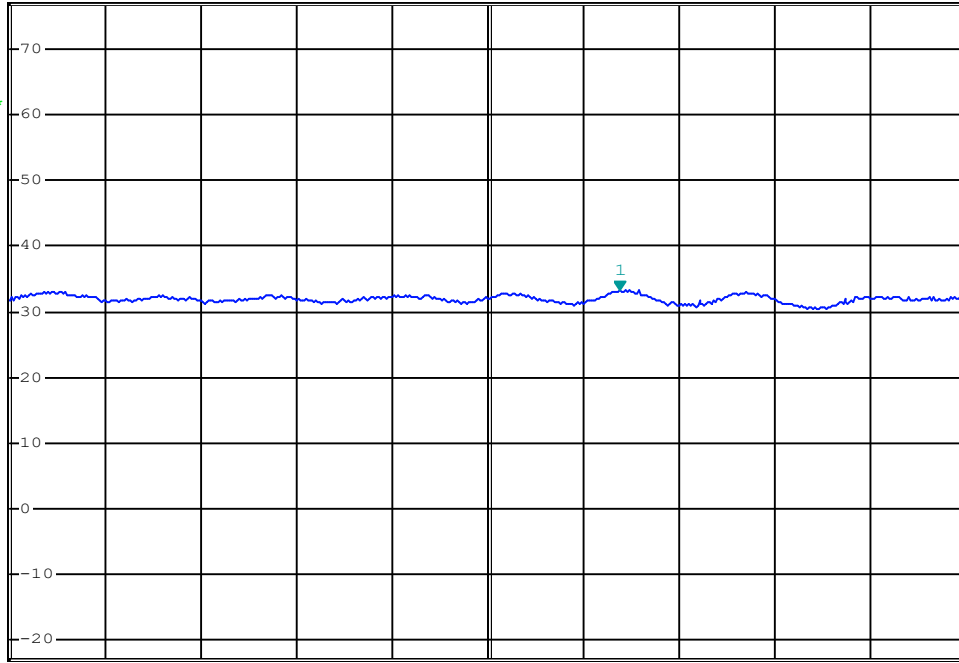


\*RBW 1 MHz    Marker 1 [T1 ]  
VBW 10 MHz    33.36 dBuV  
SWT 90 ms    16.407200000 GHz

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

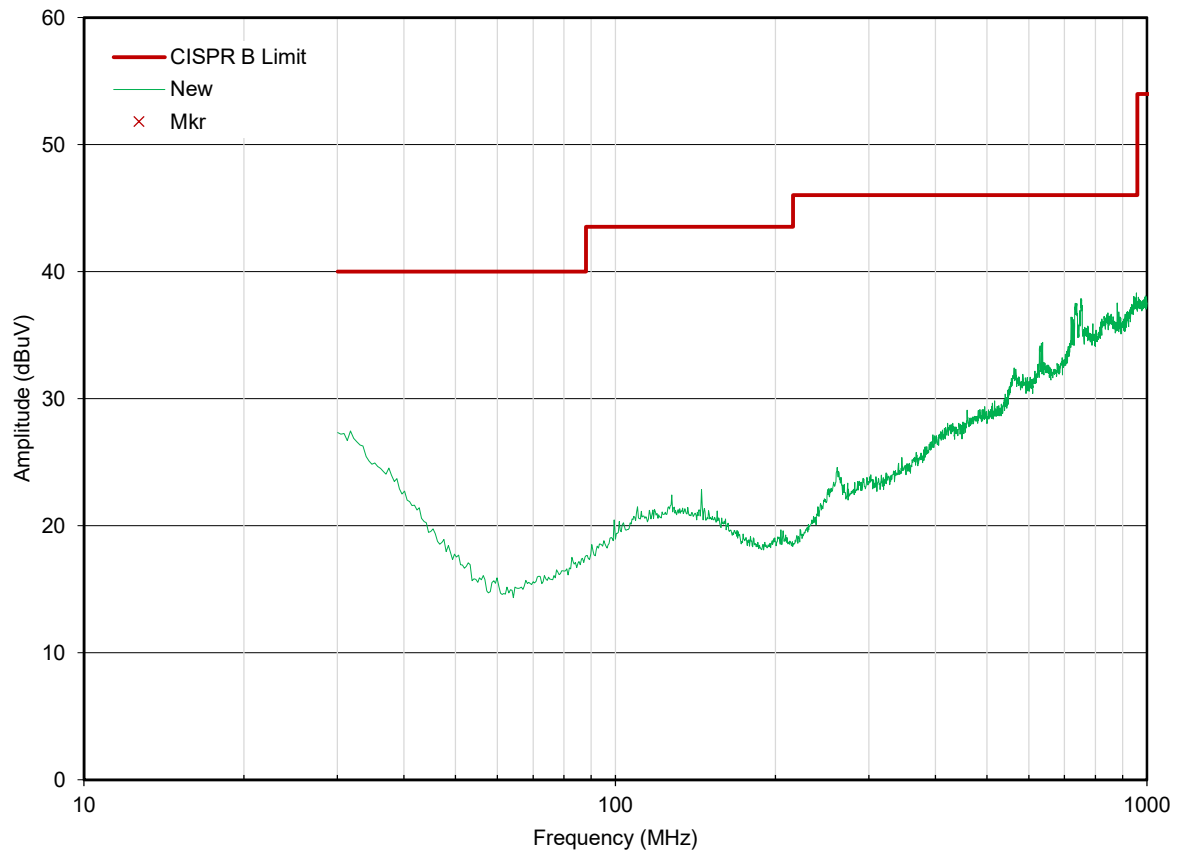
$$E_{\text{Corr}} = E_{\text{Meas}} + ACF^E + L_C - G_A$$

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

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

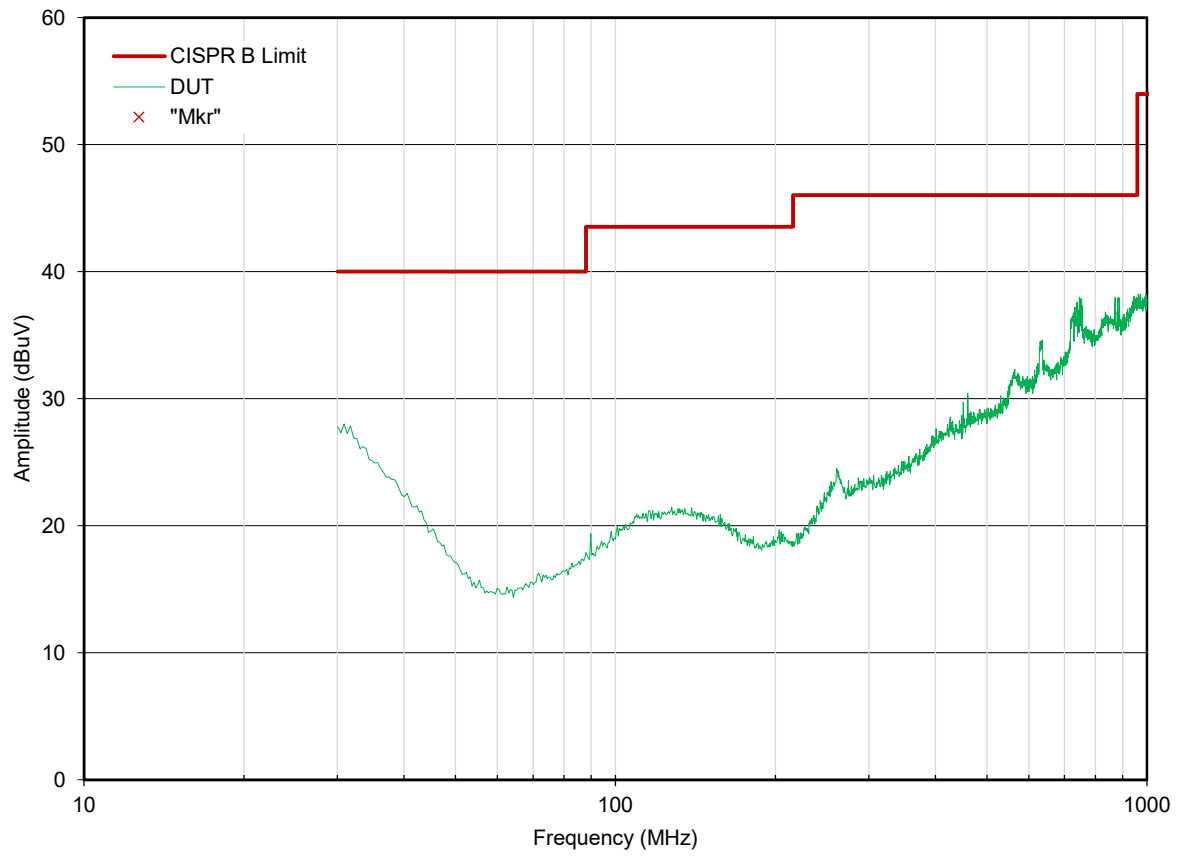
## Radiated Tx Emissions:

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

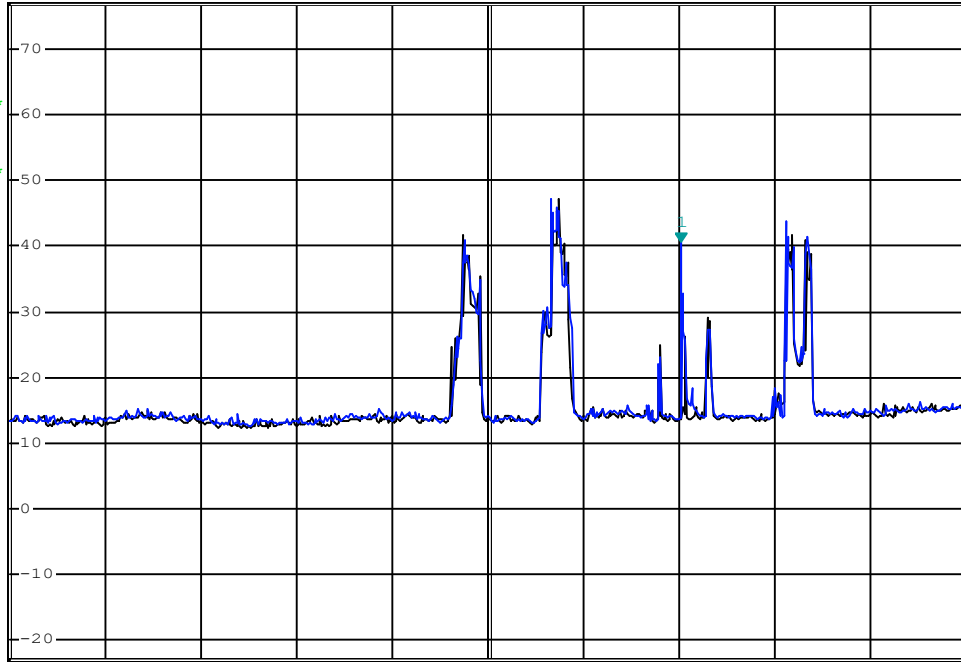
\*Att 0 dB

1 RM\*

VIEW

2 RM\*

VIEW



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

Channel: 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

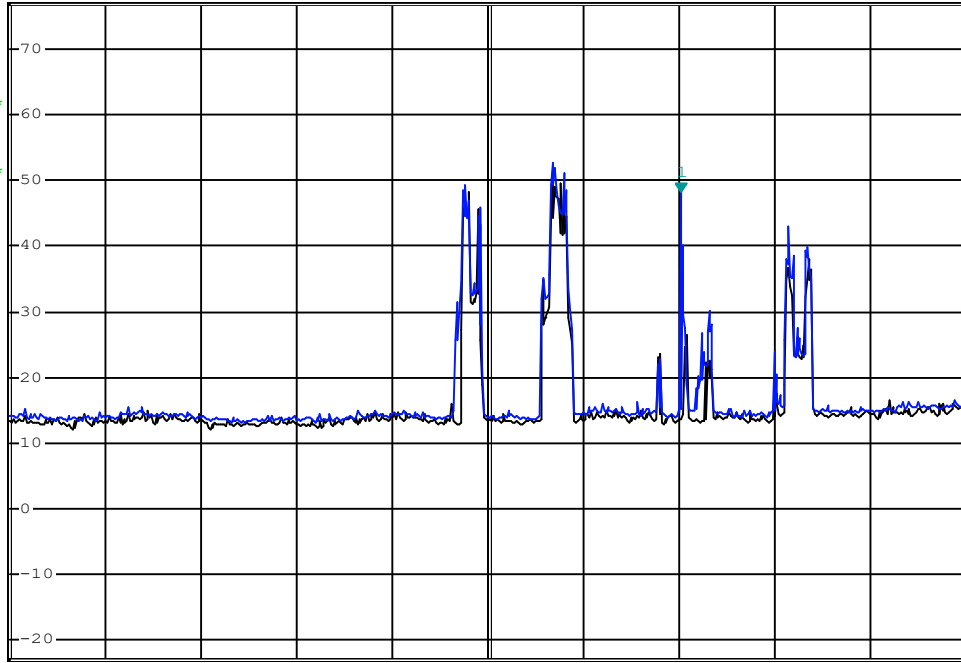
\*Att 0 dB

1 RM\*

VIEW

2 RM\*

VIEW



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

Channel:

Channel Frequency:  MHz

Mode:

Modulation:

Polarization:

Measured Channel Power:  dBuV

Emission Frequency:  MHz



**Radiated Tx Emissions:**

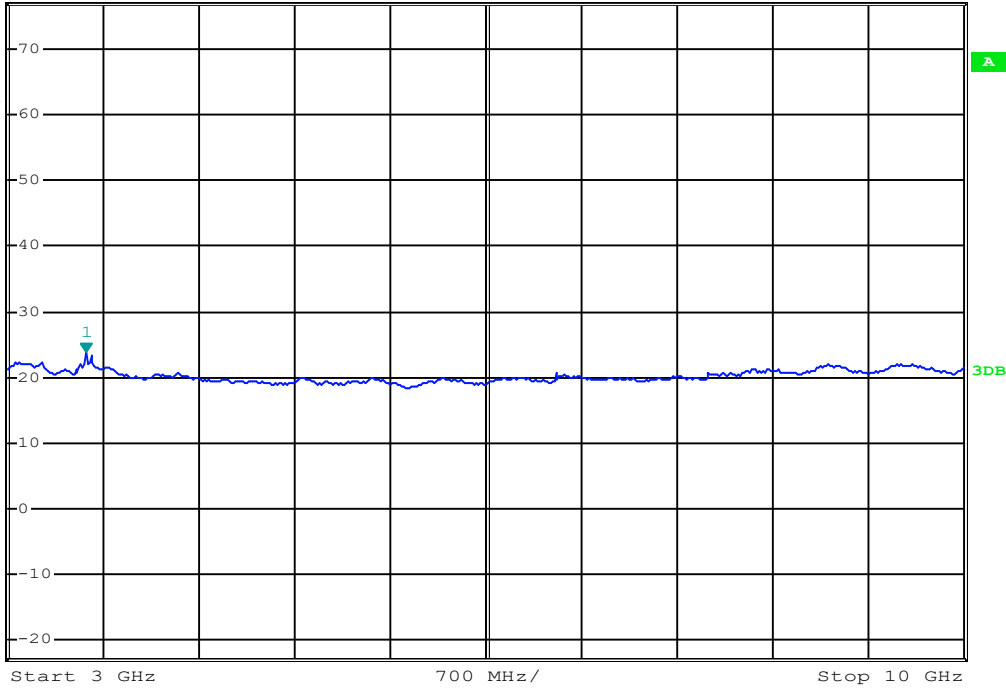


\*RBW 1 MHz    Marker 1 [T1 ]  
VBW 10 MHz    23.76 dBuV  
SWT 140 ms    3.574000000 GHz

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:

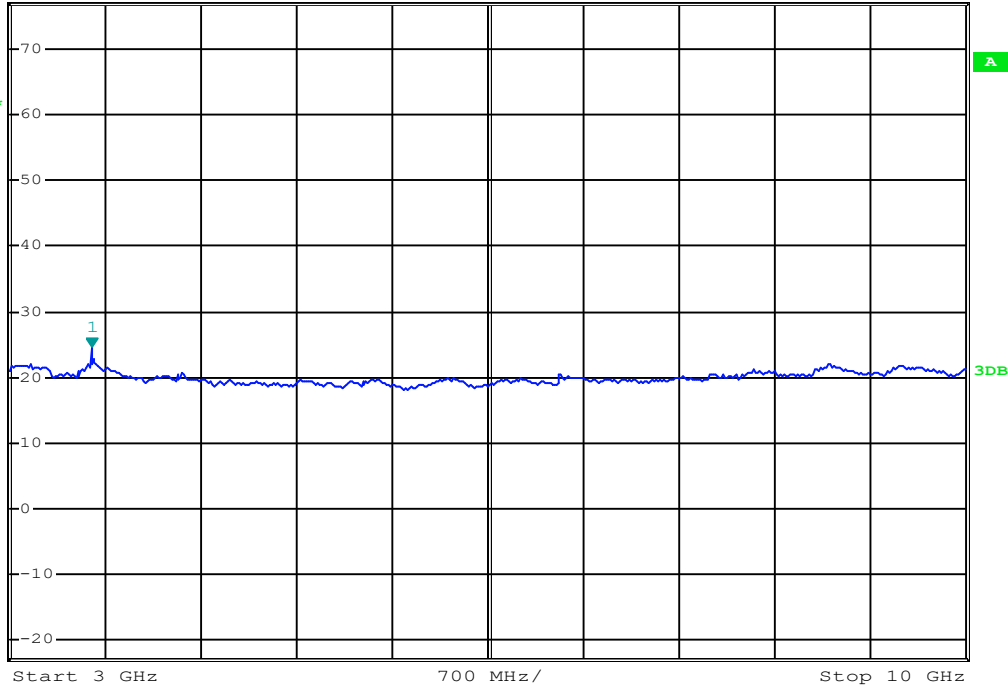


\*RBW 1 MHz    Marker 1 [T1 ]  
VBW 10 MHz    24.75 dBuV  
SWT 140 ms    3.602000000 GHz

Ref 77 dBuV

\*Att 0 dB

1 RM\*  
VIEW



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

Channel:

Channel Frequency:  MHz

Mode:

Modulation:

Polarization:

Measured Emission Power:  dBuV

Emission Frequency:  MHz

# Radiated Tx Emissions:

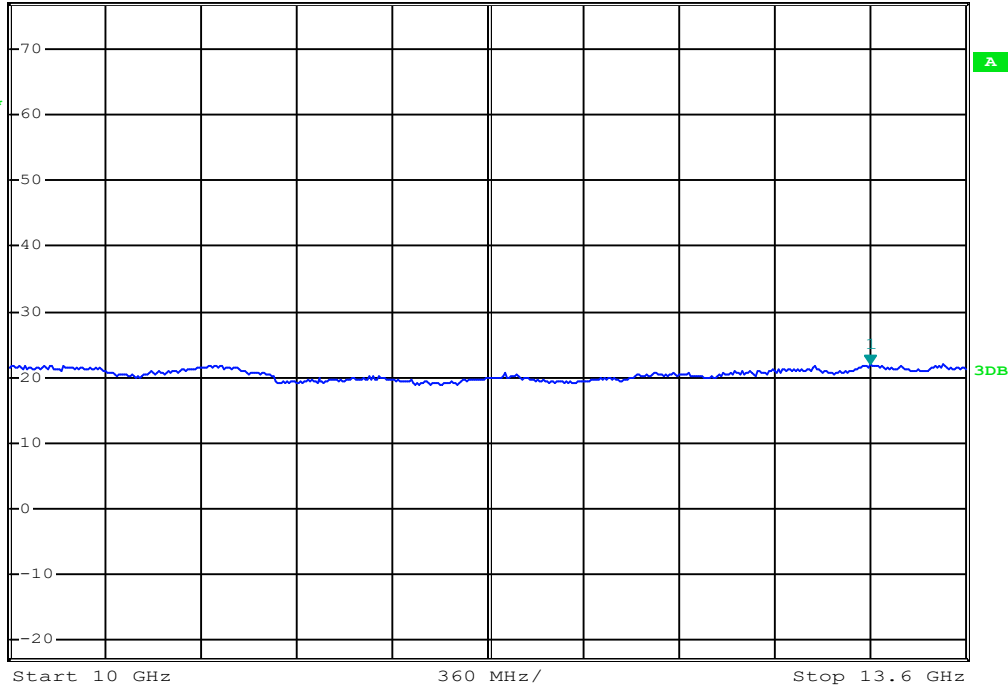


\*RBW 1 MHz      Marker 1 [T1 ]  
VBW 10 MHz      22.00 dBμV  
SWT 75 ms      13.24000000 GHz

Ref 77 dBμV

\*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:

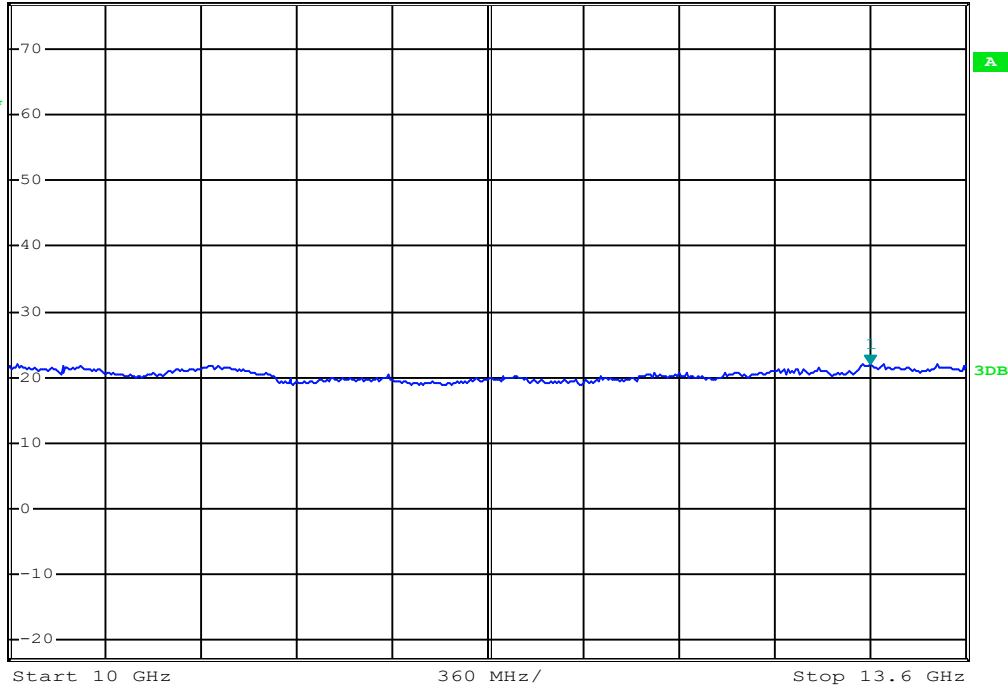


\*RBW 1 MHz      Marker 1 [T1 ]  
VBW 10 MHz      21.96 dBuV  
SWT 75 ms      13.24000000 GHz

Ref 77 dBuV

\*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:

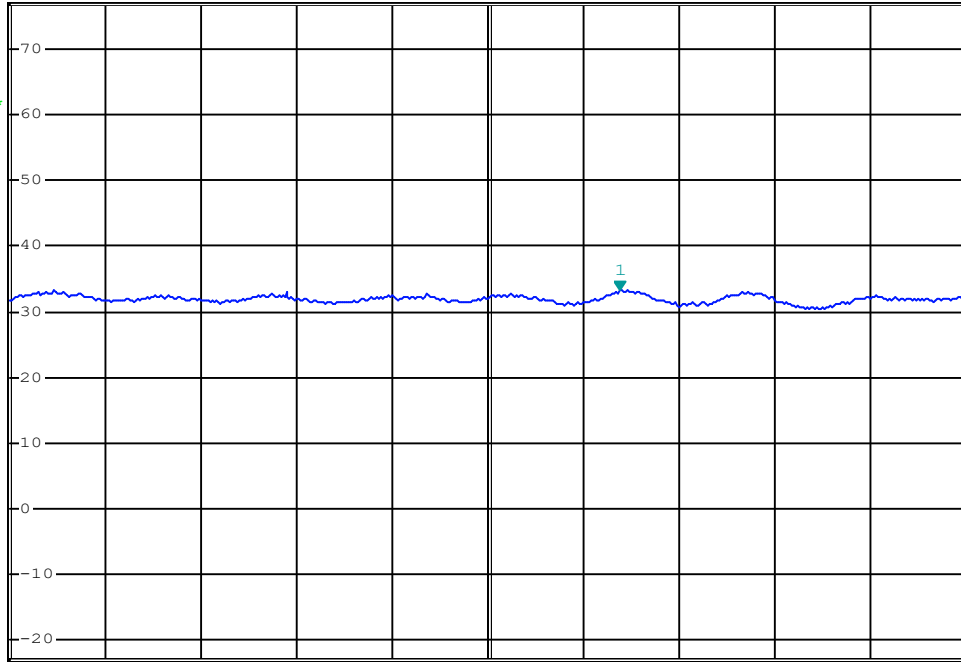


\*RBW 1 MHz    Marker 1 [T1 ]  
VBW 10 MHz    33.26 dBuV  
SWT 90 ms    16.407200000 GHz

Ref 77 dBuV

\*Att 0 dB

1 RM\*  
VIEW



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

Channel:

Channel Frequency:  MHz

Mode:

Modulation:

Polarization:

Measured Emission Power:  dBuV

Emission Frequency:  MHz

# Radiated Tx Emissions:

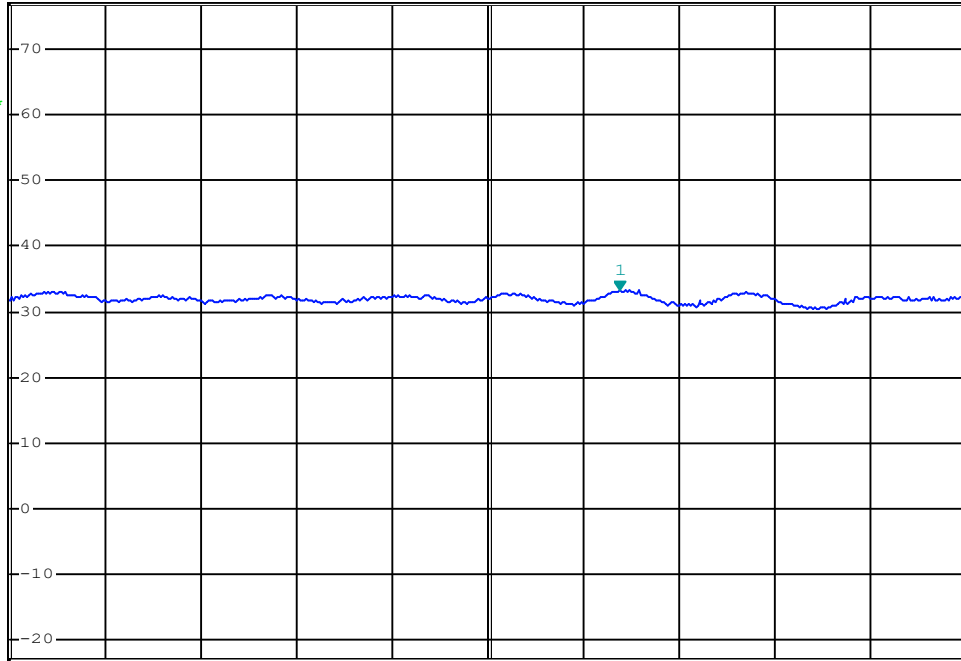


\*RBW 1 MHz    Marker 1 [T1 ]  
VBW 10 MHz    33.36 dBuV  
SWT 90 ms    16.407200000 GHz

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 Rx 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	-	Horizontal	(1)	(1) AV	-	-	0.00 (3)	(1)	-	(1)
30-1000	-	Vertical	(1)	(1) AV	-	-	0.00 (3)	(1)	-	(1)
1000-25000	-	Horizontal	(1)	(1) AV	-	-	0.00 (3)	(1)	54.0	(1)
1000-25000	-	Vertical	(1)	(1) AV	-	-	0.00 (3)	(1)	54.0	(1)
<b>Results:</b>									<b>Complies</b>	

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

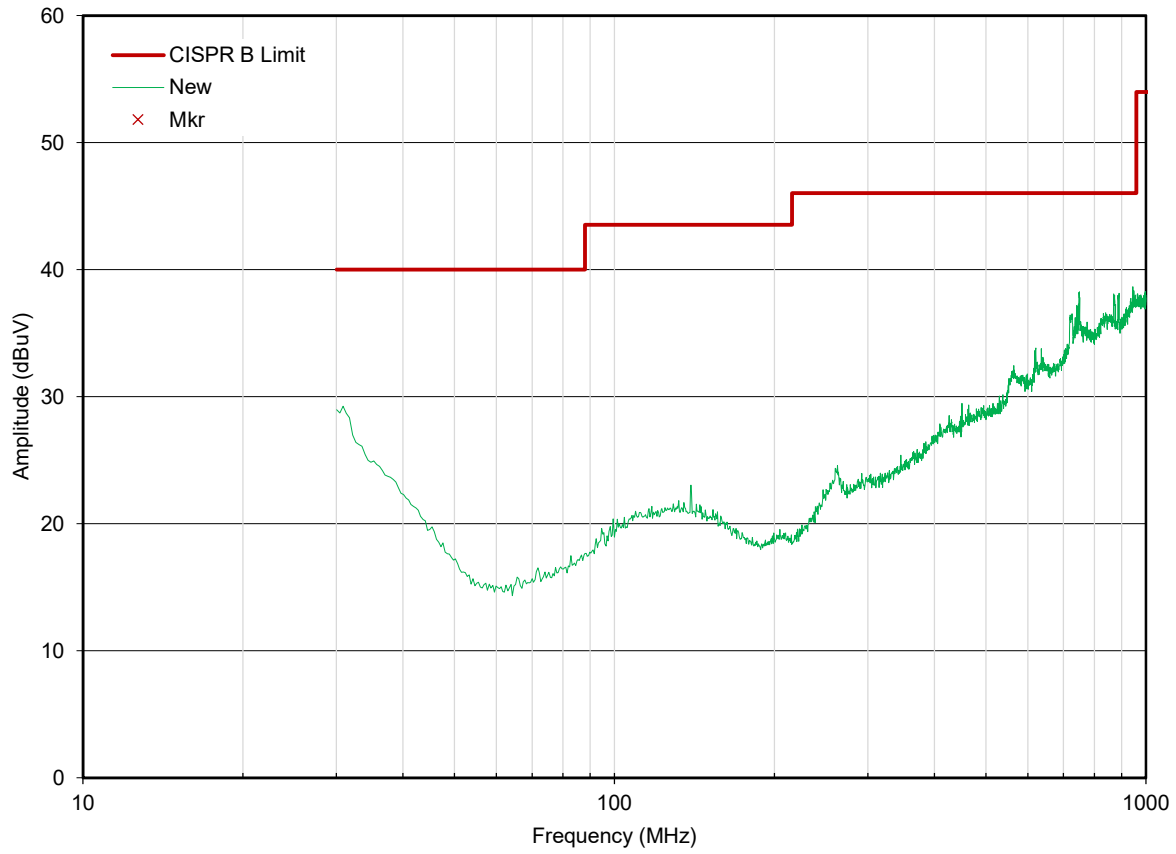
(3) External Amplifier not used

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

Where  $ACF^E$  is the Electric Antenna Correction Factor

**Radiated Tx Emissions:**

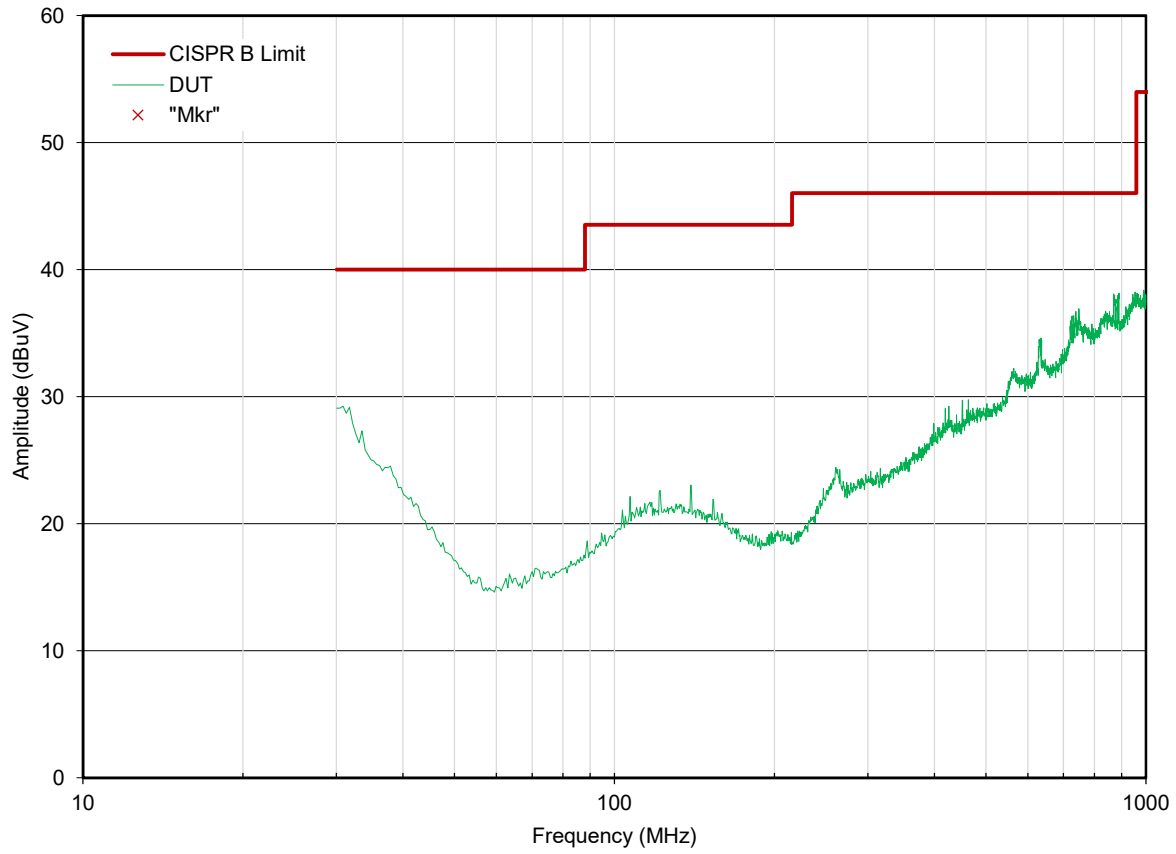
Radiated Rx Emissions (30MHz - 1GHz)  
OATS Horizontal





**Radiated Tx Emissions:**

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



# Radiated Rx Emissions:

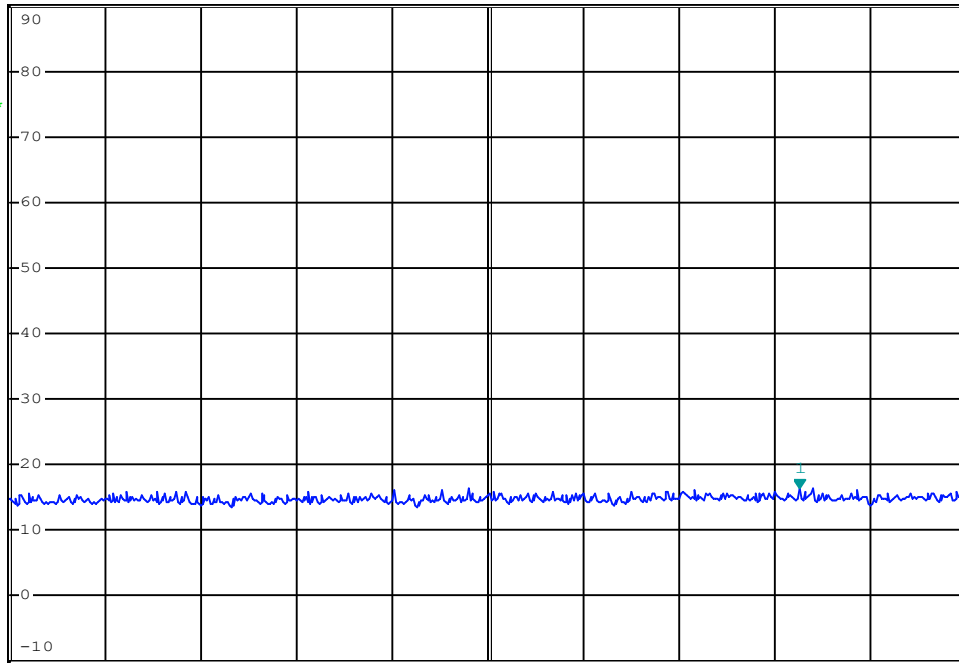


\*RBW 100 kHz    Marker 1 [T1 ]  
VBW 1 MHz        16.43 dBµV  
SWT 100 ms       831.22000000 MHz

Ref 90 dBµV

\*Att 10 dB

1 RM\*  
VIEW



Date: 3.JUL.2023 12:44:14

Channel:

Channel Frequency:  MHz

Mode:

Modulation:

Polarization:

Measured Channel Power(PK):  dBm

Emission Frequency:  MHz

Measured Channel Power(AV):  dBm

# Radiated Rx Emissions:

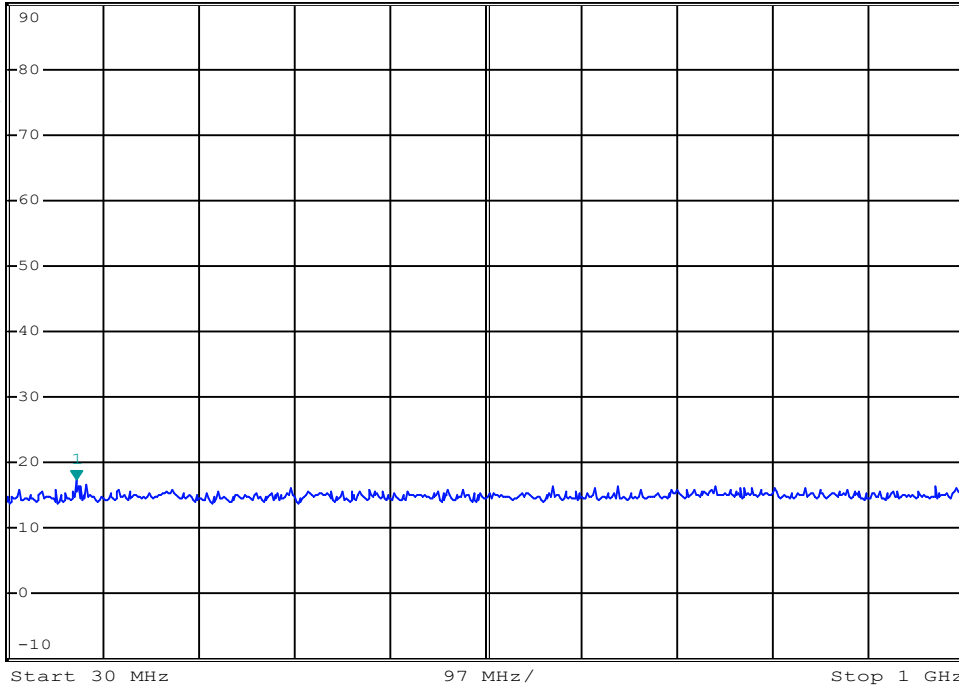


\*RBW 100 kHz    Marker 1 [T1 ]  
VBW 1 MHz      17.51 dBµV  
SWT 100 ms     99.84000000 MHz

Ref 90 dBµV

\*Att 10 dB

1 RM \*  
VIEW



Date: 3.JUL.2023 12:43:21

Channel:

Channel Frequency:  MHz

Mode:

Modulation:

Polarization:

Measured Channel Power(PK):  dBm

Emission Frequency:  MHz

Measured Channel Power(AV):  dBm

**Radiated Rx Emissions:**

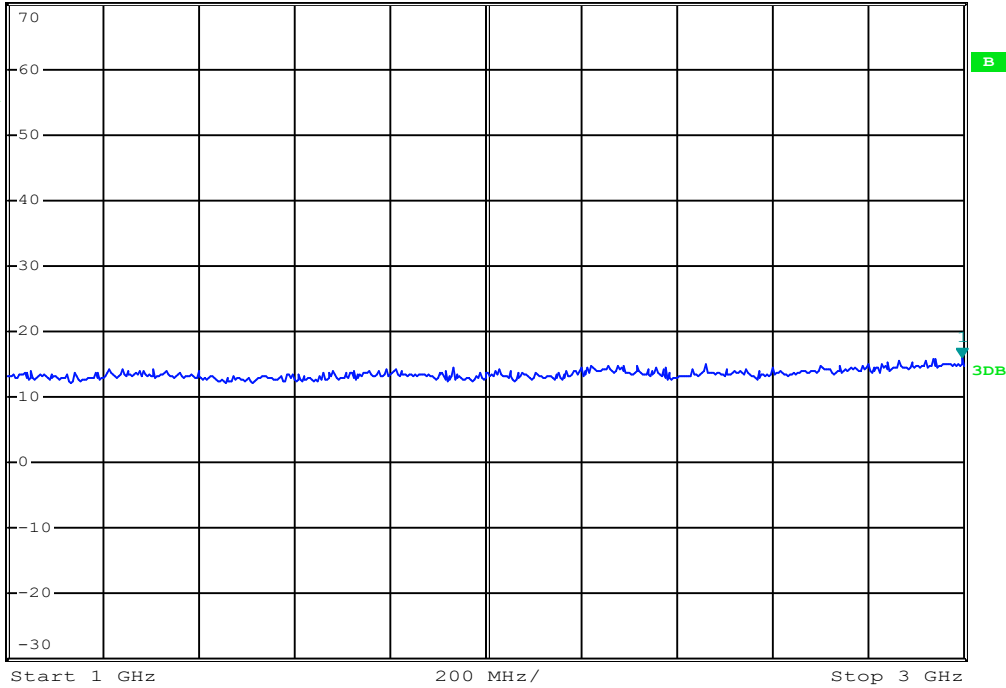


\*RBW 1 MHz    Marker 1 [T1 ]  
 VBW 10 MHz    16.16 dBμV  
 SWT 10 ms    2.996000000 GHz

Ref 70 dBμV

\*Att 0 dB

1 RM \*  
 VIEW



Date: 3.JUL.2023 12:36:20

Channel:

Channel Frequency:  MHz

Mode:

Modulation:

Polarization:

Measured Channel Power(PK):  dBm

Emission Frequency:  MHz

Measured Channel Power(AV):  dBm

# Radiated Rx Emissions:

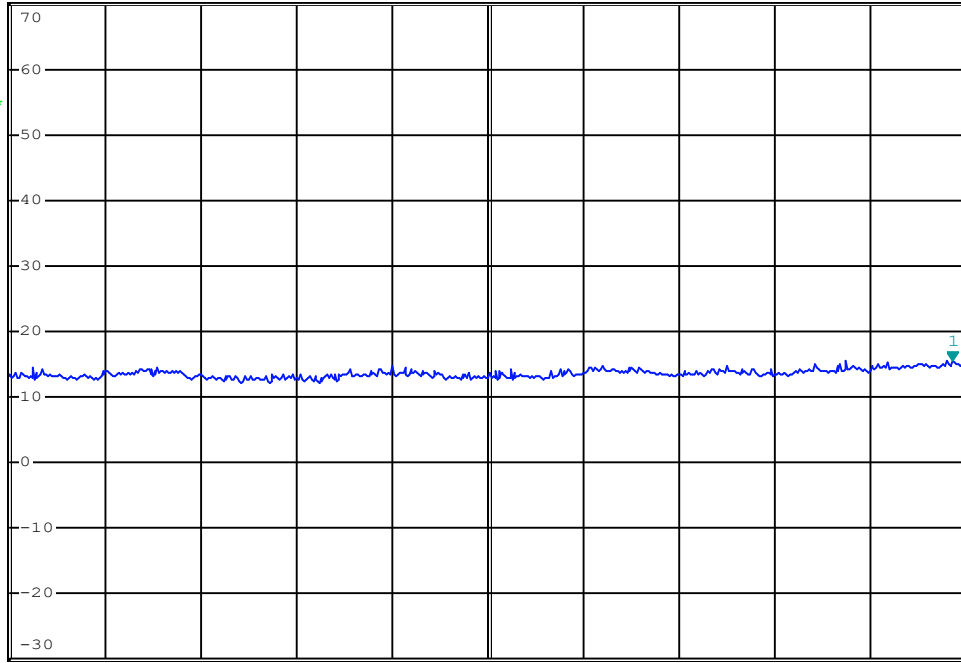


\*RBW 1 MHz      Marker 1 [T1 ]  
VBW 10 MHz      15.65 dBμV  
\*SWT 10 ms      2.972000000 GHz

Ref 70 dBμV

\*Att 0 dB

1 RM\*  
VIEW



Date: 3.JUL.2023 12:35:07

Channel:

Channel Frequency:  MHz

Mode:

Modulation:

Polarization:

Measured Channel Power(PK):  dBm

Emission Frequency:  MHz

Measured Channel Power(AV):  dBm

## Radiated Rx Emissions:

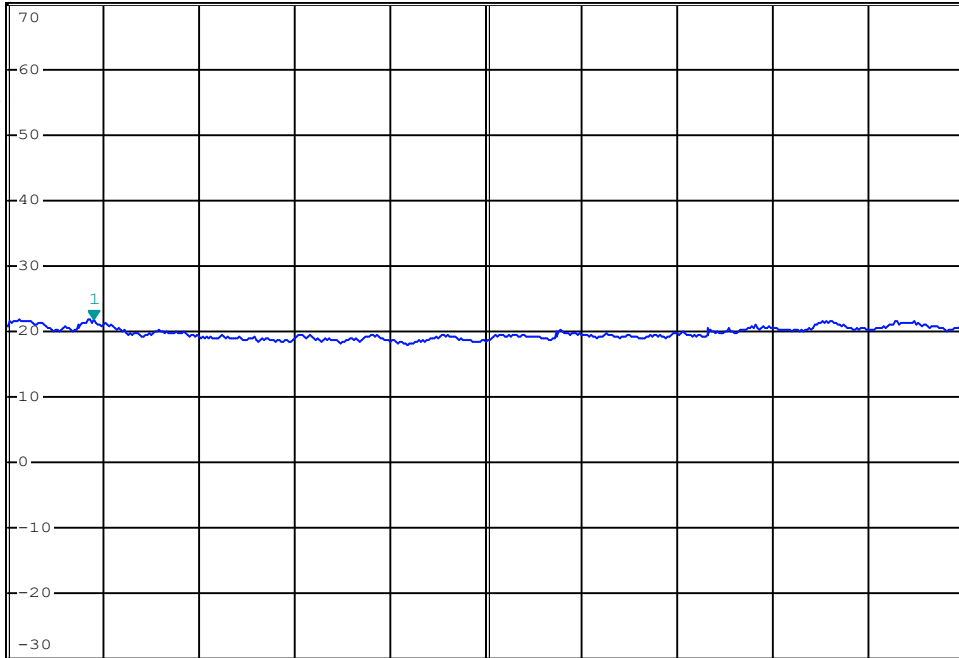


\*RBW 1 MHz      Marker 1 [T1 ]  
 VBW 10 MHz      21.93 dBµV  
 SWT 140 ms      3.630000000 GHz

Ref 70 dBµV

\*Att 0 dB

1 RM\*  
 VIEW



Start 3 GHz      700 MHz/      Stop 10 GHz

Date: 3.JUL.2023 12:36:35

Channel:

Channel Frequency:  MHz

Mode:

Modulation:

Polarization:

Measured Channel Power(PK):  dBm

Emission Frequency:  MHz

Measured Channel Power(AV):  dBm

## Radiated Rx Emissions:

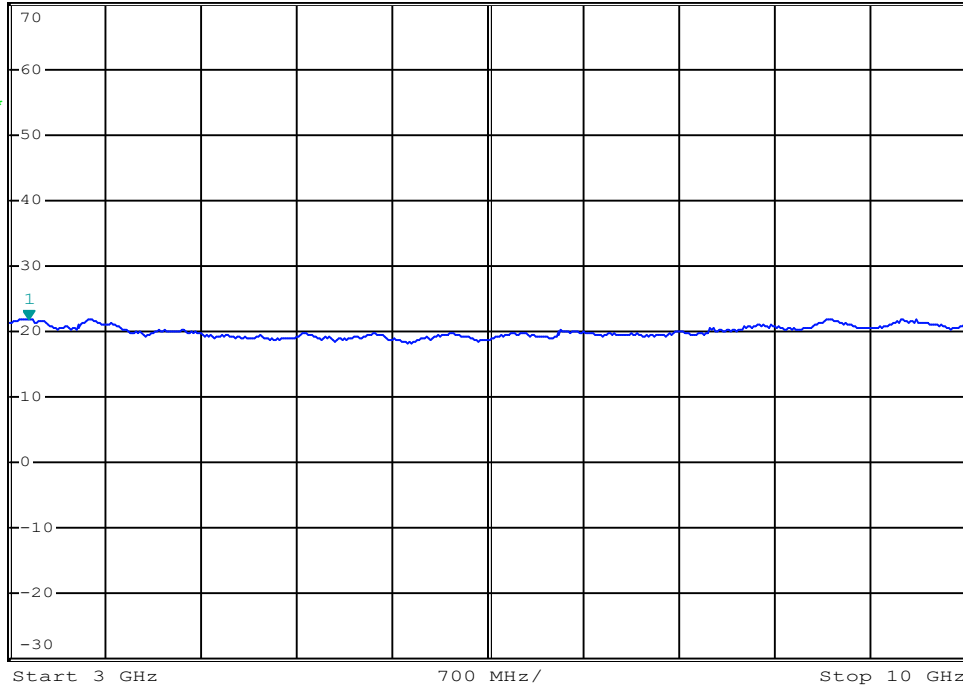


\*RBW 1 MHz      Marker 1 [T1 ]  
 VBW 10 MHz      21.94 dBµV  
 SWT 140 ms      3.140000000 GHz

Ref 70 dBµV

\*Att 0 dB

1 RM\*  
 VIEW



Date: 3.JUL.2023 12:35:37

Channel:

Channel Frequency:  MHz

Mode:

Modulation:

Polarization:

Measured Channel Power(PK):  dBm

Emission Frequency:  MHz

Measured Channel Power(AV):  dBm