

## Summary of Radiated Tx Emissions

Measured Frequency Range (MHz)	Channel Frequency	Antenna Polarization	Emission Frequency	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)
30-1000MHz	2440.0	Horizontal	31.89	7.53	22.91	0.68	0.00 (3)	31.1 (2)	40.0	<b>8.9</b>
30-1000MHz	2440.0	Horizontal	55.92	6.92	11.12	0.79	0.00 (3)	18.8 (2)	40.0	<b>21.2</b>
30-1000MHz	2440.0	Horizontal	113.97	7.47	16.20	1.04	0.00 (3)	24.7 (2)	43.5	<b>18.8</b>
30-1000MHz	2440.0	Vertical	729.10	8.51	28.30	2.66	0.00 (3)	39.5 (2)	46.0	<b>6.6</b>
30-1000MHz	2440.0	Vertical	909.00	8.39	29.50	2.94	0.00 (3)	40.8 (2)	46.0	<b>5.2</b>
1 - 3GHz	2440.0	Horizontal	ND	ND (1)	27.40	4.58	0.00 (3)	ND	54.0	<b>n/a</b>
1 - 3GHz	2440.0	Vertical	ND	ND (1)	27.40	4.58	0.00 (3)	ND	54.0	<b>n/a</b>
3-13GHz	2440.0	Horizontal	ND	ND (1)	36.76	9.86	0.00 (3)	ND	54.0	<b>n/a</b>
3-13GHz	2440.0	Vertical	ND	ND (1)	36.76	9.86	0.00 (3)	ND	54.0	<b>n/a</b>
13-18GHz	2440.0	Horizontal	ND	ND (1)	38.75	16.54	0.00 (3)	ND	54.0	<b>n/a</b>
13-18GHz	2440.0	Vertical	ND	ND (1)	38.75	16.54	0.00 (3)	ND	54.0	<b>n/a</b>
18-26GHz	2440.0	Horizontal	ND	ND (1)	43.50	21.86	26.00	ND	54.0	<b>n/a</b>
18-26GHz	2440.0	Vertical	ND	ND (1)	43.50	21.86	26.00	ND	54.0	<b>n/a</b>
<b>Results:</b>									<b>Complies</b>	

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

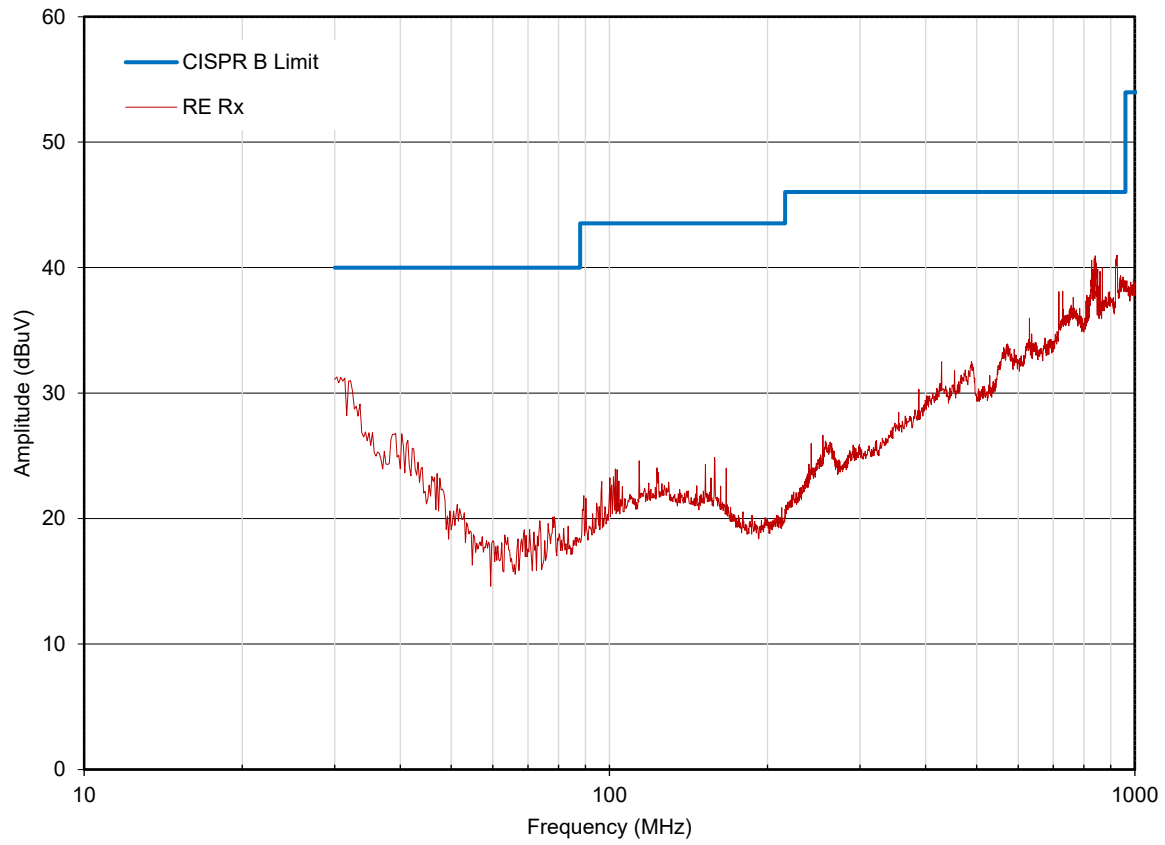
(2) Antenna ACF, Cable Loss and Amplifier Gain corrected in Spectrum Analyzer Transducer Factor

(3) External Amplifier not used

$$E_{\text{Corr}} = E_{\text{Meas}} + \text{ACF} + L_{\text{C}} - G_{\text{A}}$$

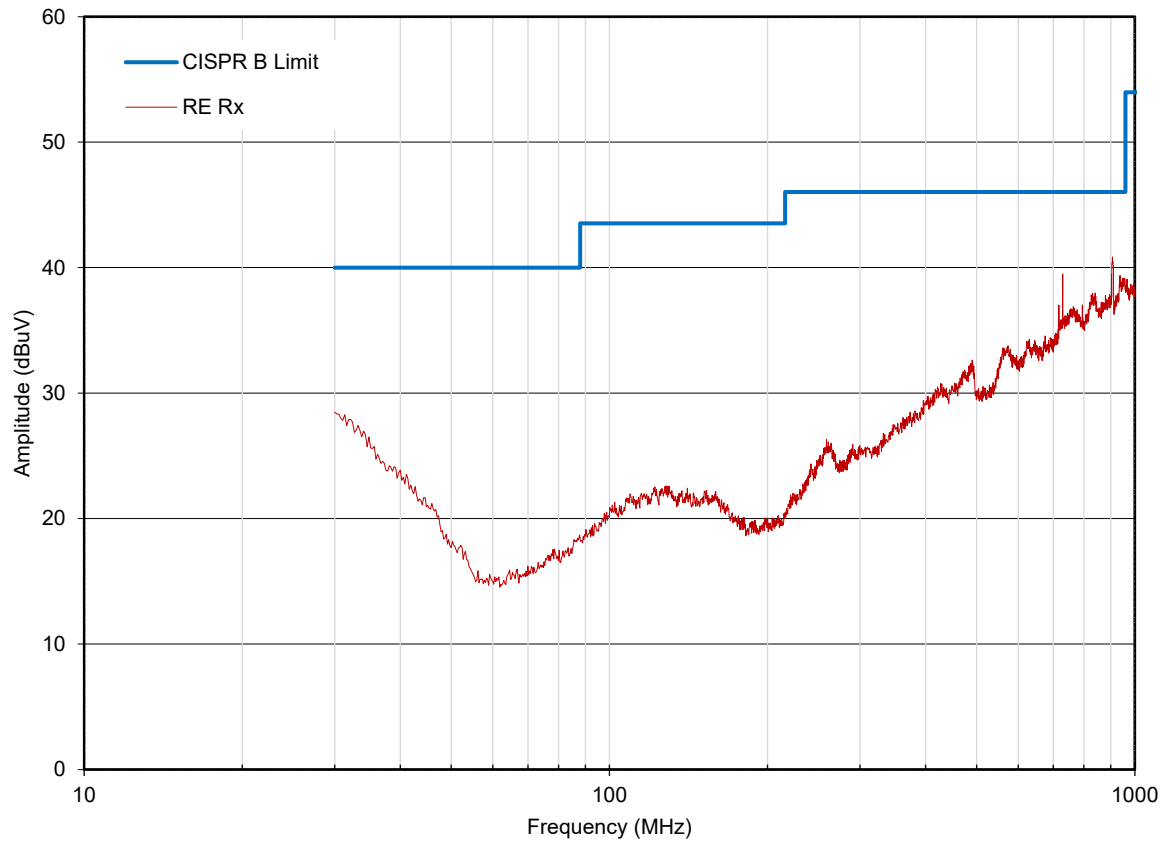
**Radiated Tx Emissions:**

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



**Radiated Tx Emissions:**

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



# Radiated Tx Emissions:

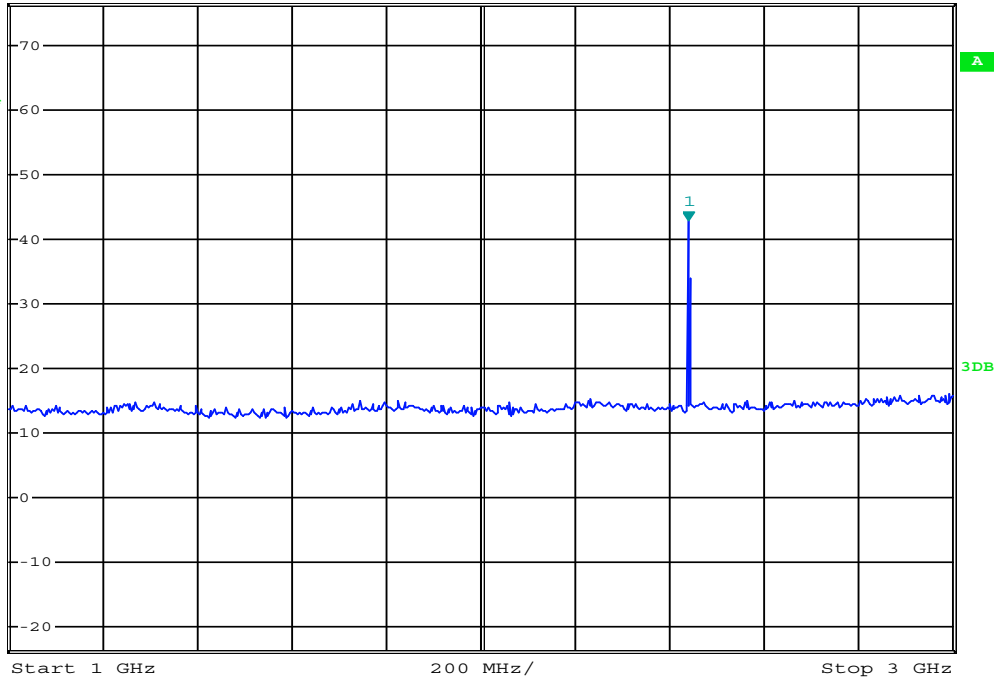


\*RBW 1 MHz    Marker 1 [T1 ]  
VBW 10 MHz    42.74 dBμV  
SWT 10 ms    2.440000000 GHz

Ref 76.3 dBμV

\*Att 0 dB

1 RM  
VIEW



Date: 31.JAN.2023 15:16:57

Channel:

Mode:

Polarization:

Marker 1 = Fundamental

Channel Frequency:  MHz

Modulation:

Measured Emission:  dBm

# Radiated Tx Emissions:

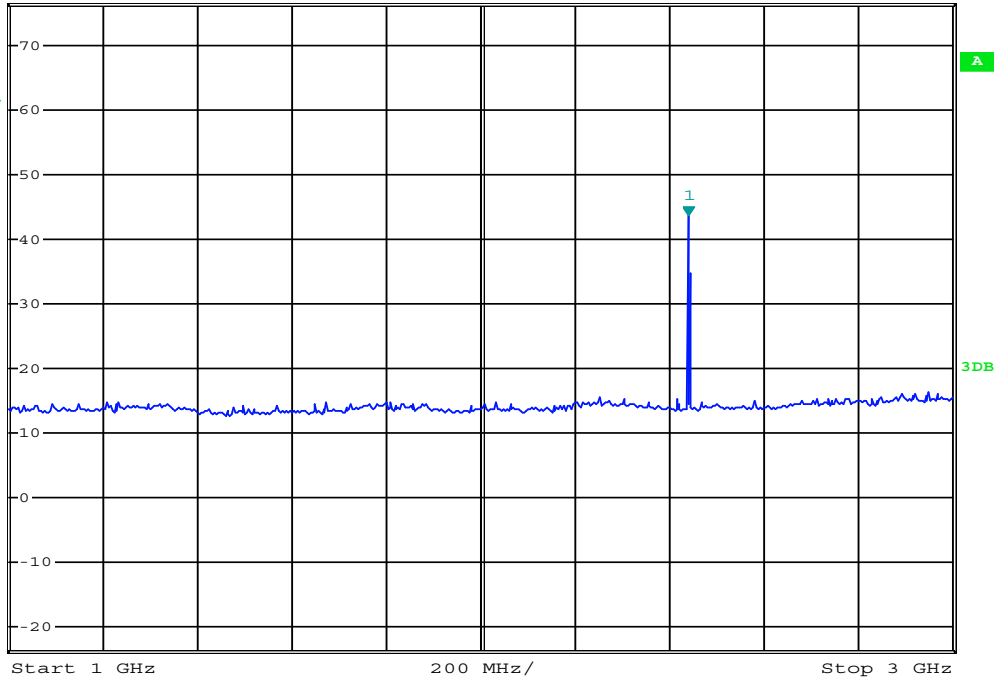


\*RBW 1 MHz      Marker 1 [T1 ]  
VBW 10 MHz      43.66 dBμV  
SWT 10 ms      2.440000000 GHz

Ref 76.3 dBμV

\*Att 0 dB

1 RM  
VIEW



Date: 31.JAN.2023 15:15:04

Channel:

Mode:

Polarization:

Marker 1 = Fundamental

Channel Frequency:  MHz

Modulation:

Measured Emission:  dBm

**Radiated Tx Emissions:**

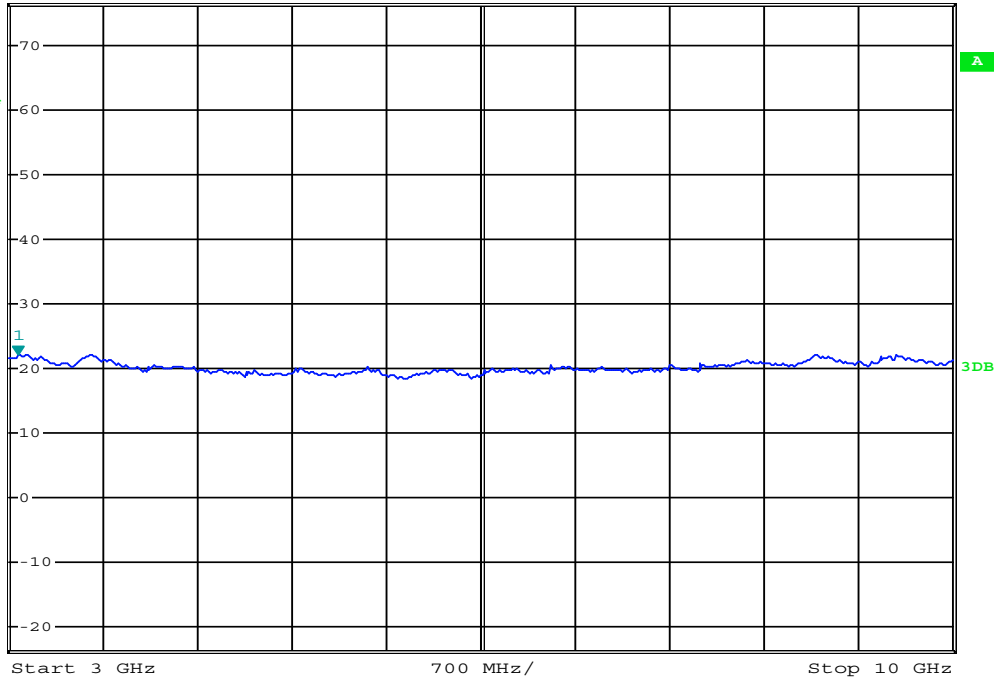


\*RBW 1 MHz    Marker 1 [T1 ]  
VBW 10 MHz    22.13 dBμV  
SWT 140 ms    3.070000000 GHz

Ref 76.3 dBμV

\*Att 0 dB

1 RM  
VIEW



Date: 31.JAN.2023 15:17:30

Channel:

Mode:

Polarization:

Channel Frequency:  MHz

Modulation:

Measured Emission:  dBm

**Radiated Tx Emissions:**

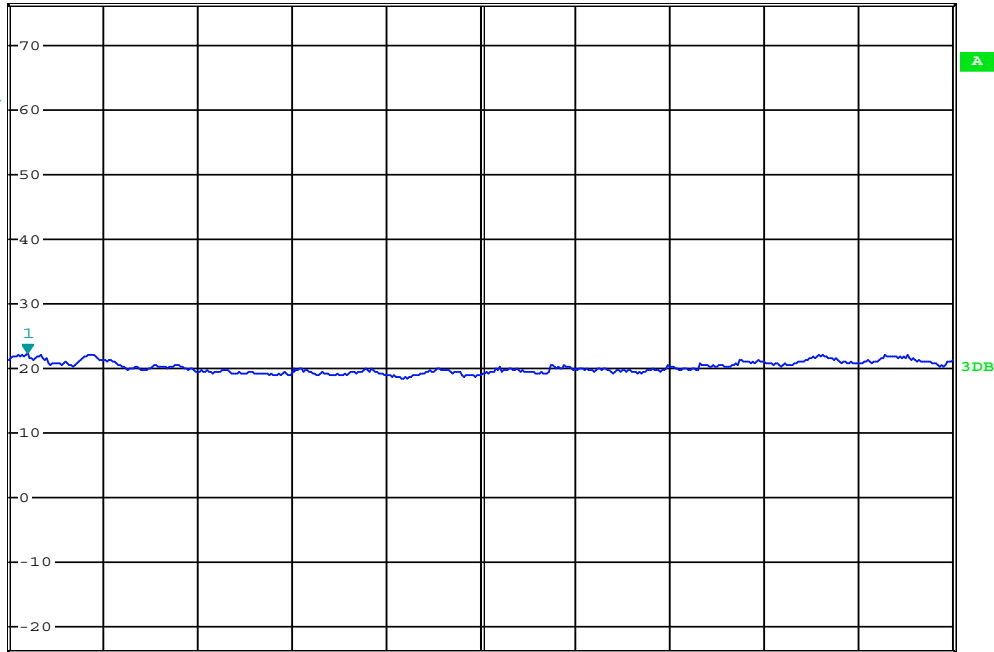


\*RBW 1 MHz    Marker 1 [T1 ]  
VBW 10 MHz    22.28 dBμV  
SWT 140 ms    3.140000000 GHz

Ref 76.3 dBμV

\*Att 0 dB

1 RM  
VIEW



Start 3 GHz

700 MHz/

Stop 10 GHz

Date: 31.JAN.2023 15:15:22

Channel:

Mode:

Polarization:

Channel Frequency:  MHz

Modulation:

Measured Emission:  dBm

# Radiated Tx Emissions:

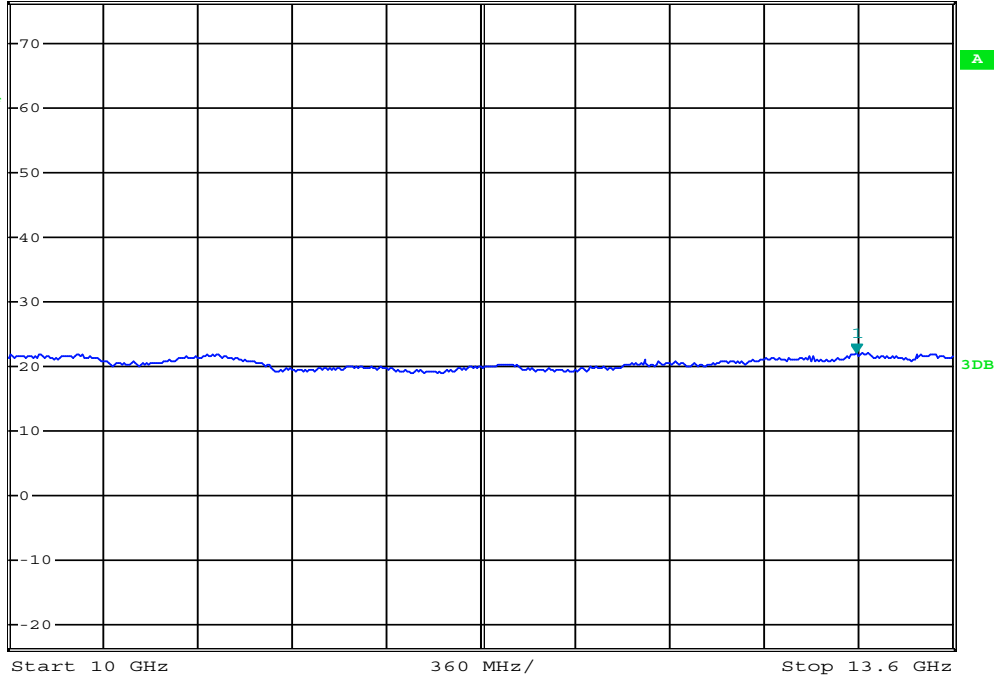


\*RBW 1 MHz    Marker 1 [T1 ]  
VBW 10 MHz    22.23 dBμV  
SWT 75 ms    13.232800000 GHz

Ref 76.3 dBμV

\*Att 0 dB

1 RM  
VIEW



Date: 31.JAN.2023 15:17:54

Channel:

Mode:

Polarization:

Channel Frequency:  MHz

Modulation:

Measured Emission:  dBm



# Radiated Tx Emissions:

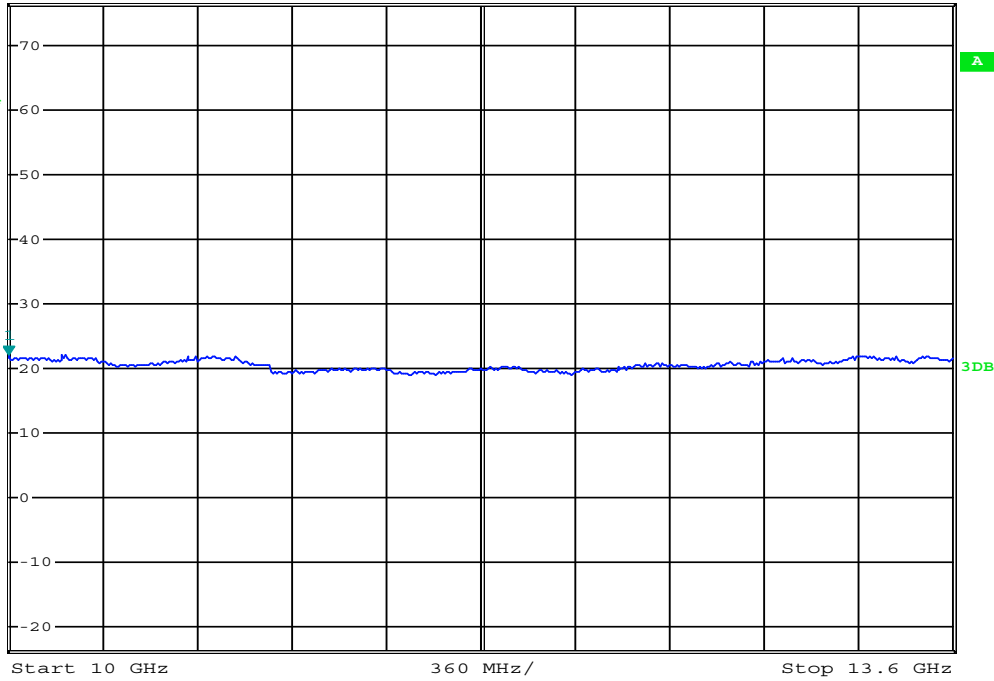


\*RBW 1 MHz      Marker 1 [T1 ]  
VBW 10 MHz      22.19 dBμV  
SWT 75 ms      10.000000000 GHz

Ref 76.3 dBμV

\*Att 0 dB

1 RM  
VIEW



Date: 31.JAN.2023 15:15:40

Channel:

Mode:

Polarization:

Channel Frequency:  MHz

Modulation:

Measured Emission:  dBm

# Radiated Tx Emissions:

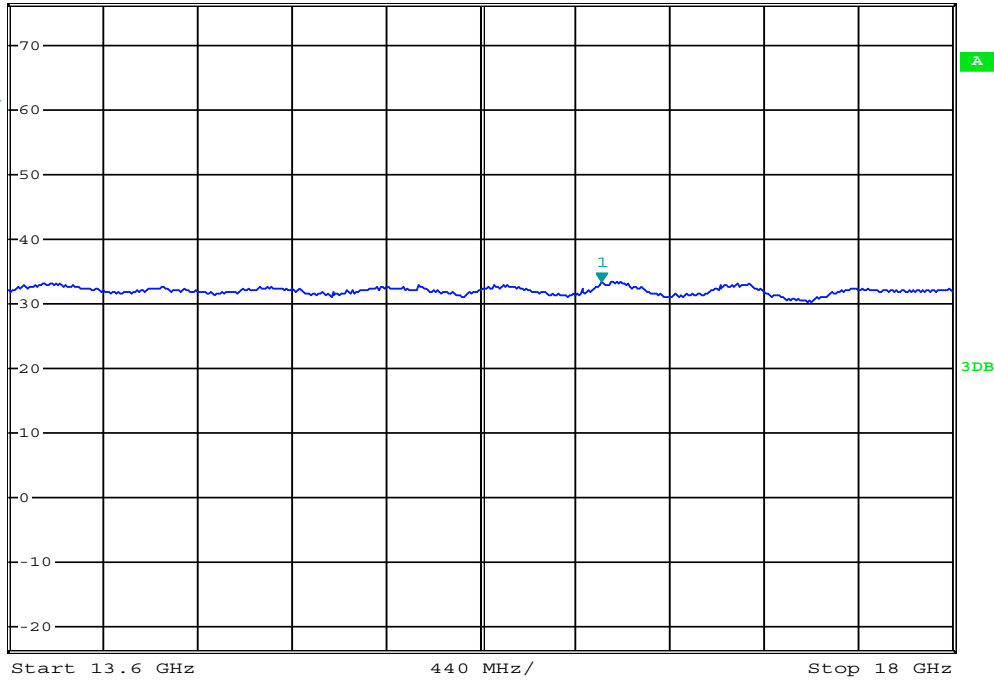


\*RBW 1 MHz      Marker 1 [T1 ]  
VBW 10 MHz      33.53 dBμV  
SWT 90 ms      16.363200000 GHz

Ref 76.3 dBμV

\*Att 0 dB

1 RM  
VIEW



Date: 31.JAN.2023 15:18:13

Channel:

Mode:

Polarization:

Channel Frequency:  MHz

Modulation:

Measured Emission:  dBm

# Radiated Tx Emissions:

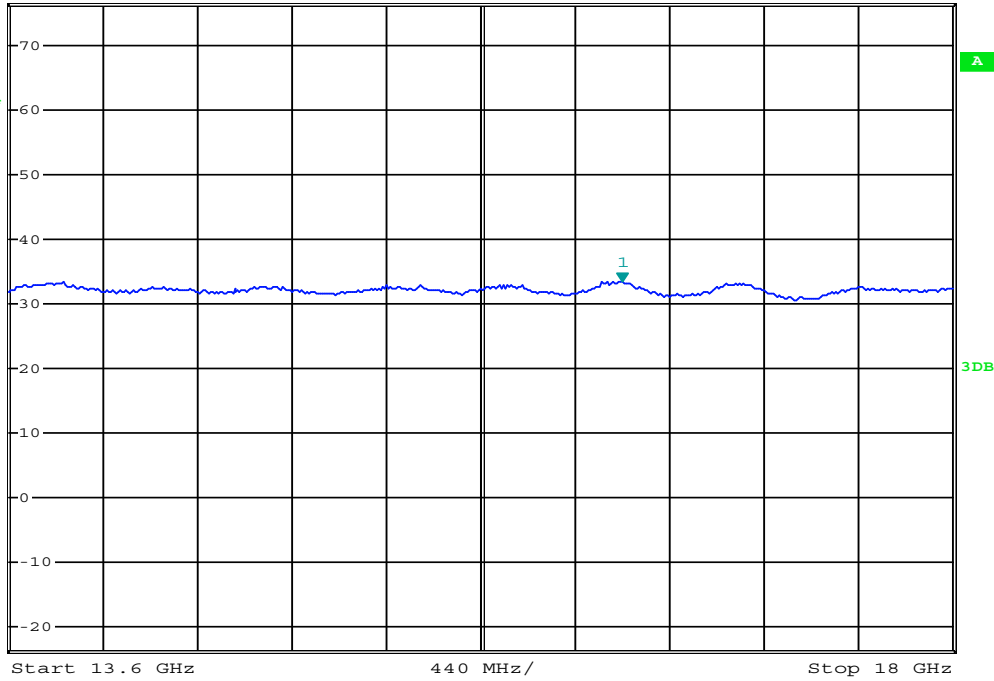


\*RBW 1 MHz    Marker 1 [T1 ]  
VBW 10 MHz    33.37 dBμV  
SWT 90 ms    16.460000000 GHz

Ref 76.3 dBμV

\*Att 0 dB

1 RM  
VIEW



Date: 31.JAN.2023 15:16:04

Channel:

Mode:

Polarization:

Channel Frequency:  MHz

Modulation:

Measured Emission:  dBm

# Radiated Tx Emissions:

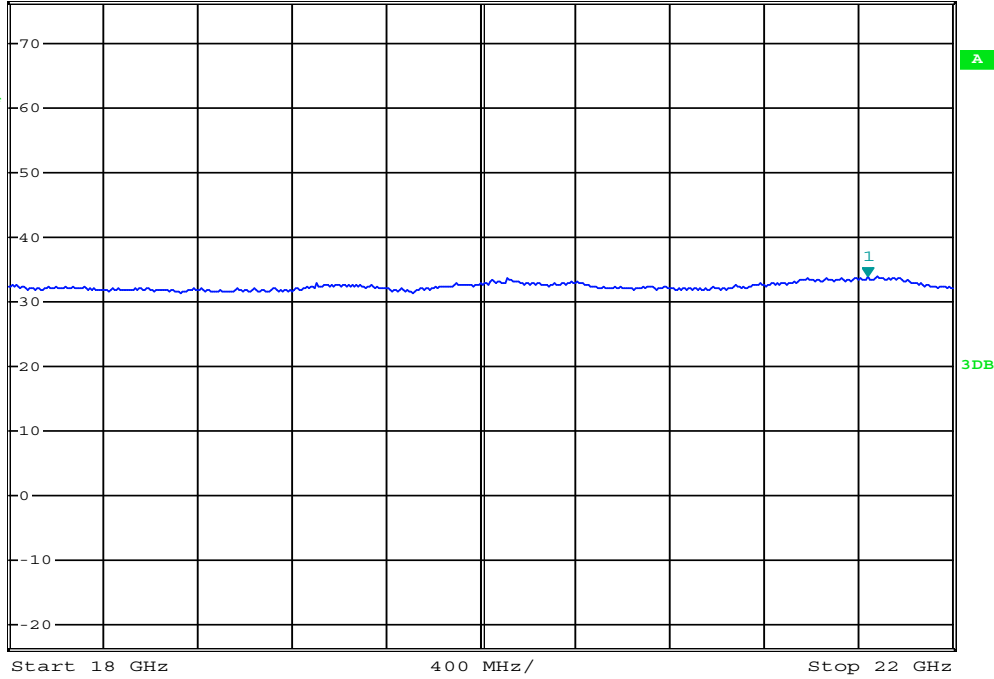


\*RBW 1 MHz    Marker 1 [T1 ]  
VBW 10 MHz    33.88 dBμV  
SWT 80 ms    21.640000000 GHz

Ref 76.3 dBμV

\*Att 0 dB

1 RM  
VIEW



Date: 31.JAN.2023 15:46:36

Channel:

Mode:

Polarization:

Channel Frequency:  MHz

Modulation:

Measured Emission:  dBm

**Radiated Tx Emissions:**

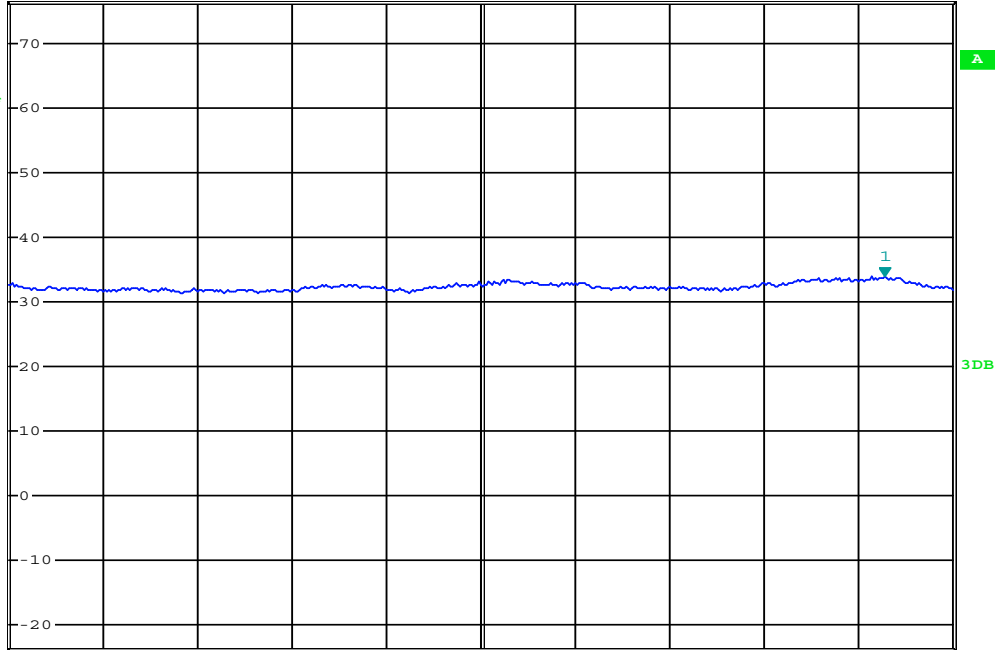


\*RBW 1 MHz    Marker 1 [T1 ]  
VBW 10 MHz    33.94 dBμV  
SWT 80 ms    21.712000000 GHz

Ref 76.3 dBμV

\*Att 0 dB

1 RM  
VIEW



Start 18 GHz

400 MHz/

Stop 22 GHz

Date: 31.JAN.2023 15:47:16

Channel:

Mode:

Polarization:

Channel Frequency:  MHz

Modulation:

Measured Emission:  dBm

# Radiated Tx Emissions:

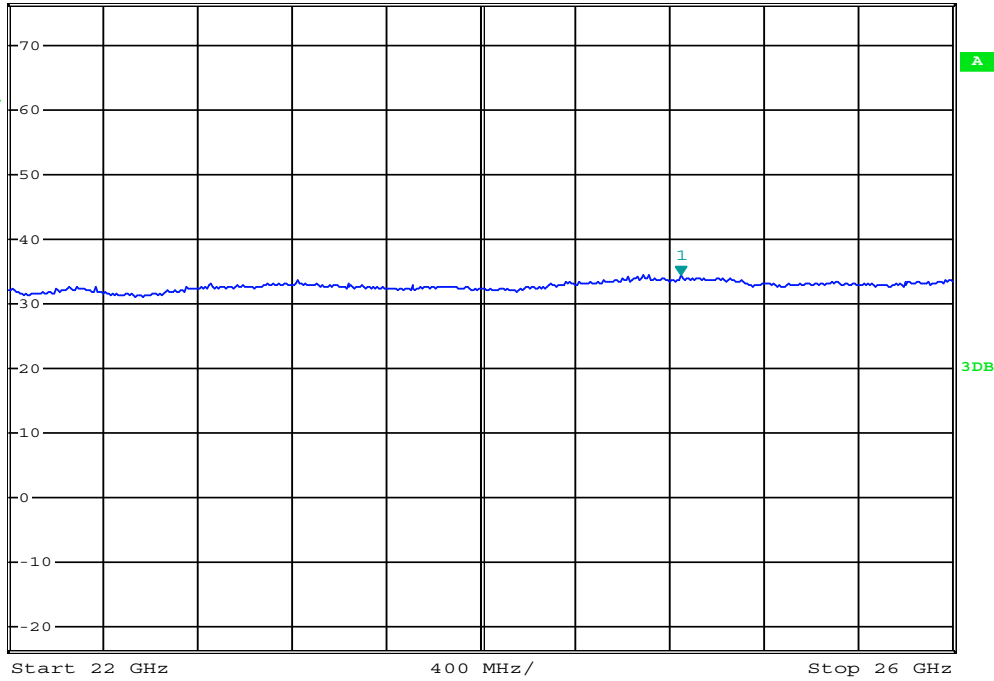


\*RBW 1 MHz    Marker 1 [T1 ]  
VBW 10 MHz    34.39 dBμV  
SWT 80 ms    24.84800000 GHz

Ref 76.3 dBμV

\*Att 0 dB

1 RM  
VIEW



Date: 31.JAN.2023 15:46:51

Channel:

Mode:

Polarization:

Channel Frequency:  MHz

Modulation:

Measured Emission:  dBm

### Radiated Tx Emissions:

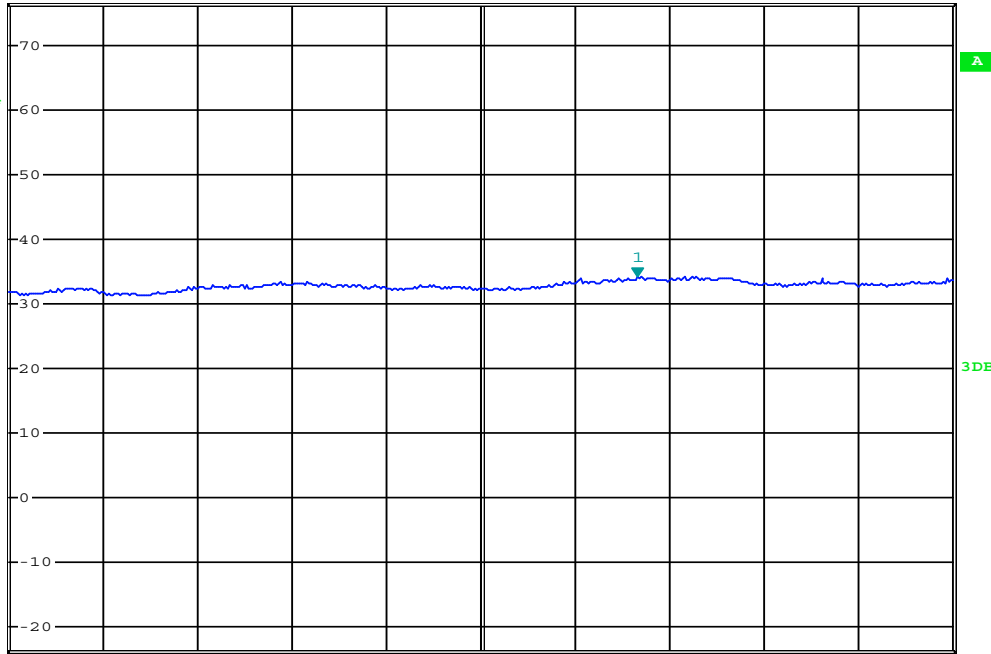


\*RBW 1 MHz    Marker 1 [T1 ]  
VBW 10 MHz    34.19 dBμV  
SWT 80 ms    24.664000000 GHz

Ref 76.3 dBμV

\*Att 0 dB

1 RM  
VIEW



Start 22 GHz

400 MHz/

Stop 26 GHz

Date: 31.JAN.2023 15:47:34

Channel:

Mode:

Polarization:

Channel Frequency:  MHz

Modulation:

Measured Emission:  dBm