

### Summary of Radiated Tx Emissions (Restricted Band)

Measured Frequency Range (MHz)	Channel Frequency (MHz)	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)
9kHz - 30MHz	916.0	Front	ND	ND (1)	0.00	0.00	0.00 (3)	ND (2)	n/a	n/a
9kHz - 30MHz	916.0	Side	ND	ND (1)	0.00	0.00	0.00 (3)	ND (2)	n/a	n/a
30-1000MHz	916.0	Horizontal	750.1MHz	39.2	0.00	0.00	0.00 (3)	39.2 (2)	56.9	17.7
30-1000MHz	916.0	Horizontal	854.4MHz	40.2	0.00	0.00	0.00 (3)	40.2 (2)	56.9	16.7
30-1000MHz	916.0	Vertical	729.4MHz	40.4	0.00	0.00	0.00 (3)	40.4 (2)	56.9	16.5
30-1000MHz	916.0	Vertical	755.7MHz	40.5	0.00	0.00	0.00 (3)	40.5 (2)	56.9	16.4
30-1000MHz	916.0	Vertical	852.3MHz	40.9	0.00	0.00	0.00 (3)	40.9 (2)	56.9	16.0
1 - 3GHz	916.0	Horizontal	ND	ND (1)	27.40	4.58	0.00 (3)	ND	60.0	n/a
1 - 3GHz	916.0	Vertical	ND	ND (1)	27.40	4.58	0.00 (3)	ND	60.0	n/a
3-10GHz	916.0	Horizontal	ND	ND (1)	36.76	9.86	0.00 (3)	ND	60.0	n/a
3-10GHz	916.0	Vertical	ND	ND (1)	36.76	9.86	0.00 (3)	ND	60.0	n/a
<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

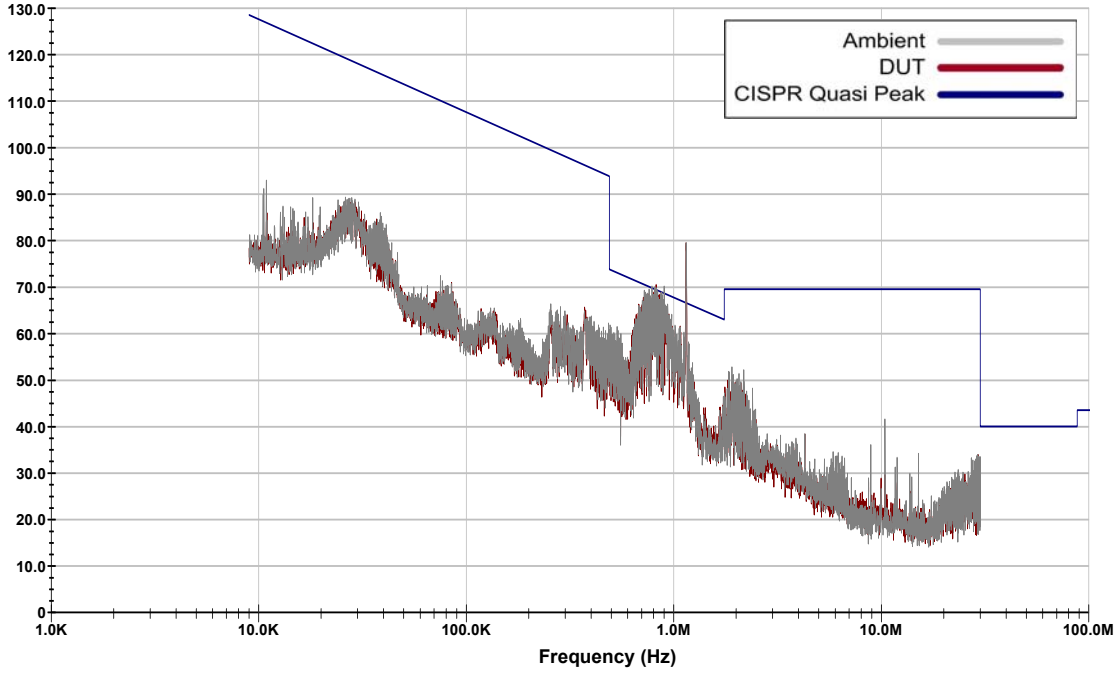
$$E_{\text{Corr}} = E_{\text{Meas}} + \text{ACF} + L_c - G_A$$

**Radiated Tx Emissions: Restricted Band**

**Zenner USA - WM3**

Radiated Tx Emissions - 9kHz - 30MHz

OATS - Loop Front



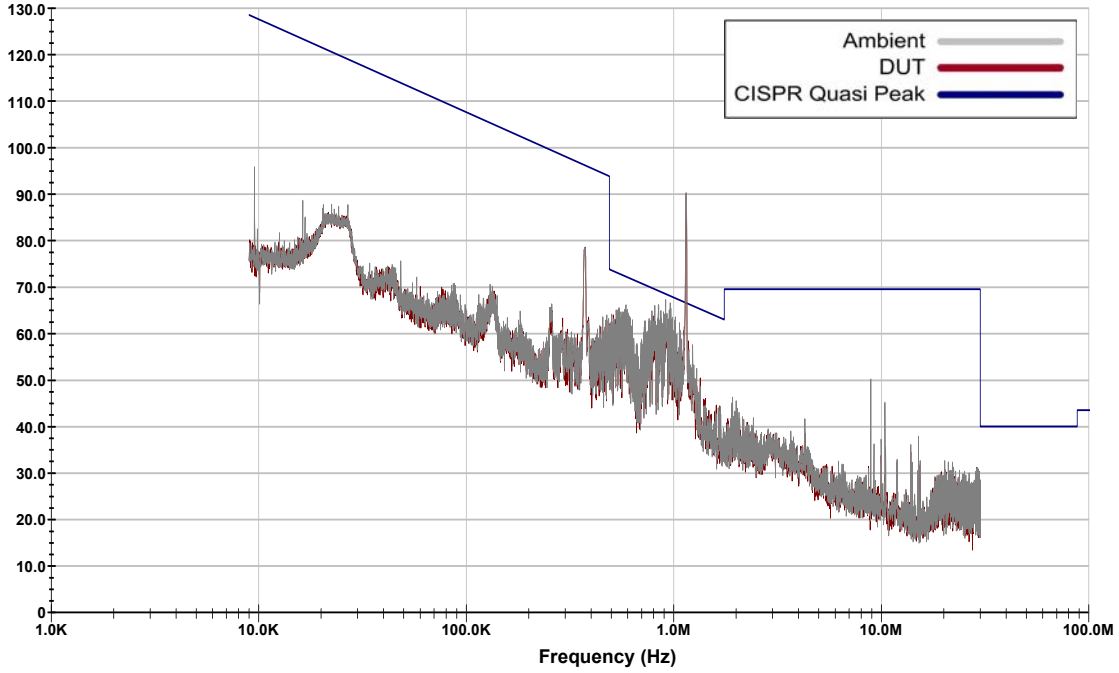
02:21:05 PM, Thursday, July 15, 2021

Profile Build: 2020.10.19

Antenna	Emission	Measured
Polarization	Frequency (MHz)	Emission (dBm)
Front	ND	ND

**Radiated Tx Emissions: Restricted Band**

**Zenner USA - WM3**  
Radiated Tx Emissions - 9kHz - 30MHz  
OATS - Loop Side



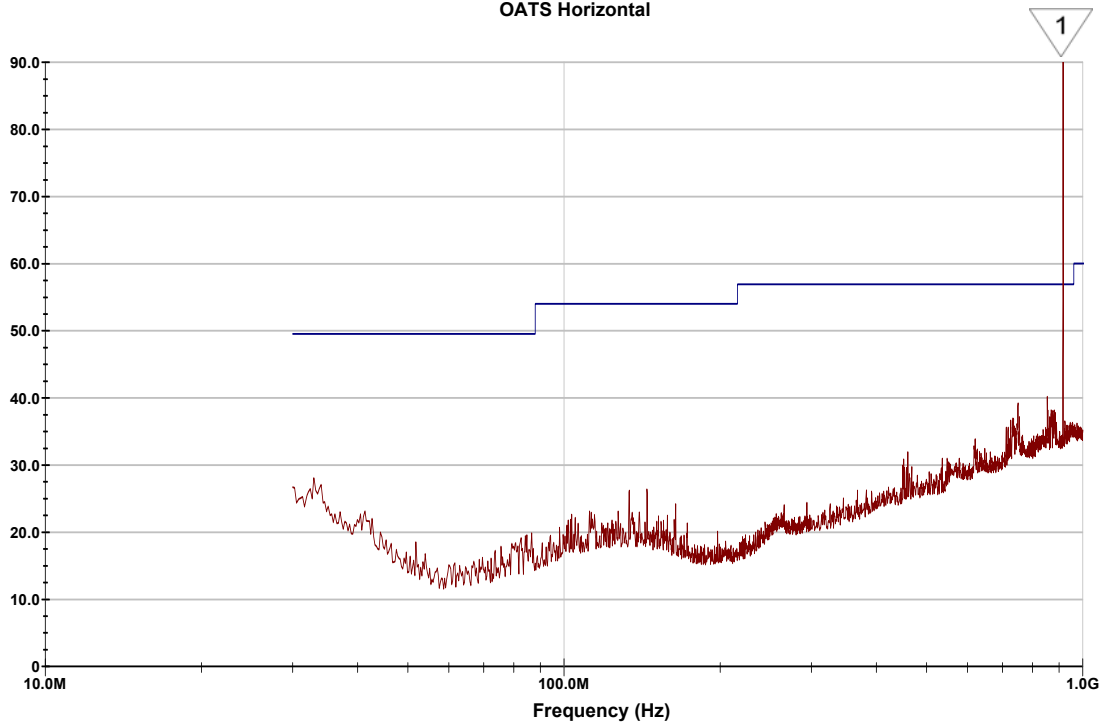
02:21:05 PM, Thursday, July 15, 2021

Profile Build: 2020.10.19

Antenna	Emission	Measured
Polarization	Frequency (MHz)	Emission (dBm)
Side	ND	ND

**Radiated Tx Emissions: Restricted Band**

**Zenner USA - Wm3**  
**Radiated Tx Emissions - 30MHz-1GHz**  
**OATS Horizontal**



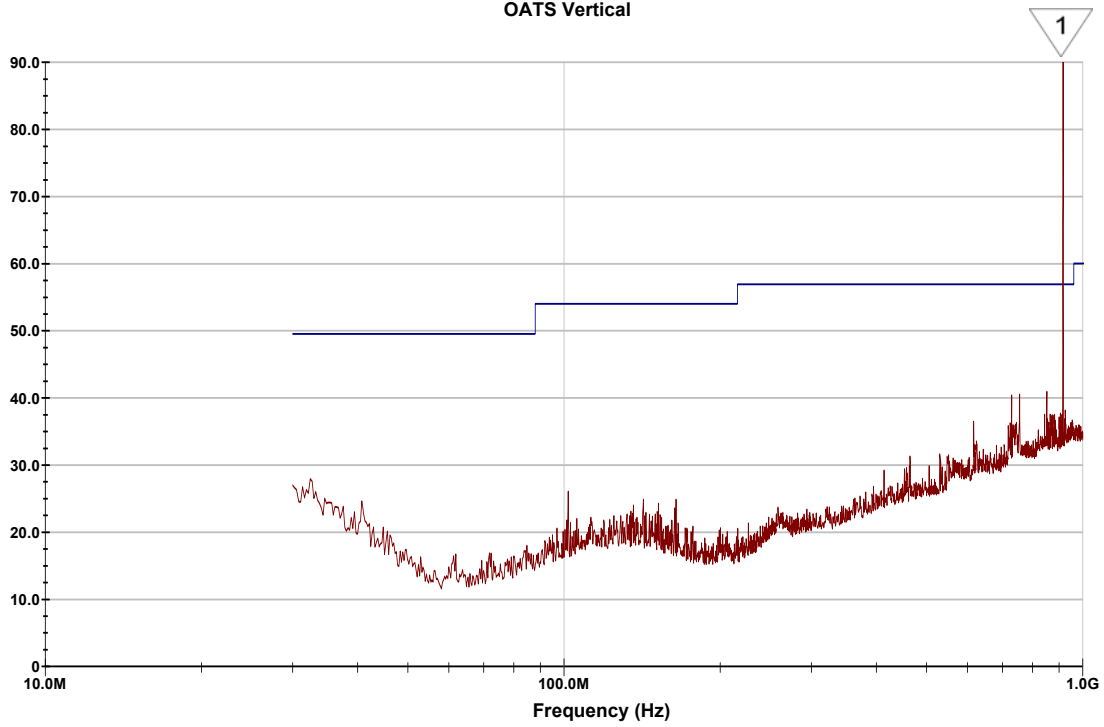
12:25:02 PM, Saturday, July 17, 2021

Profile Build: 2020.10.19

Antenna	Marker	Emission Frequency (MHz)	Measured Emission (dBm)
Polarization	1		
Horizontal	Fundamental	-	-

**Radiated Tx Emissions: Restricted Band**

**Zenner USA - WM3**  
 Radiated Tx Emissions 30 MHz - 1 GHz  
 OATS Vertical



12:25:02 PM, Saturday, July 17, 2021

Profile Build: 2020.10.19

Antenna	Marker	Emission	Measured
Polarization	1	Frequency (MHz)	Emission (dBm)
Vertical	Fundamental	-	-

# Radiated Tx Emissions: Restricted Band



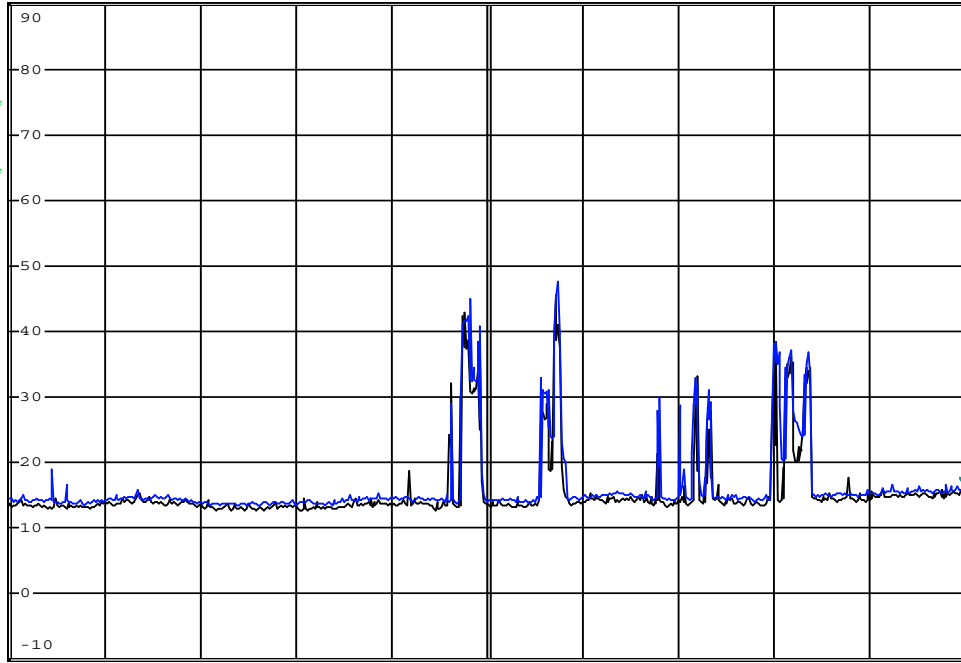
\*RBW 1 MHz      Marker 1 [T1 ]  
 VBW 10 MHz      16.34 dBμV  
 SWT 10 ms      3.000000000 GHz

Ref 90 dBμV

\*Att 0 dB

1 RM\*  
VIEW

2 RM\*  
VIEW



Start 1 GHz

200 MHz/

Stop 3 GHz

Date: 5.JUL.2021 11:07:59

Trace	Trace	Antenna	Emission	Measured
1	2	Polarization	Frequency	Emission
Ambient	DUT	Horizontal	(MHz)	(dBm)
			ND	ND

# Radiated Tx Emissions: Restricted Band



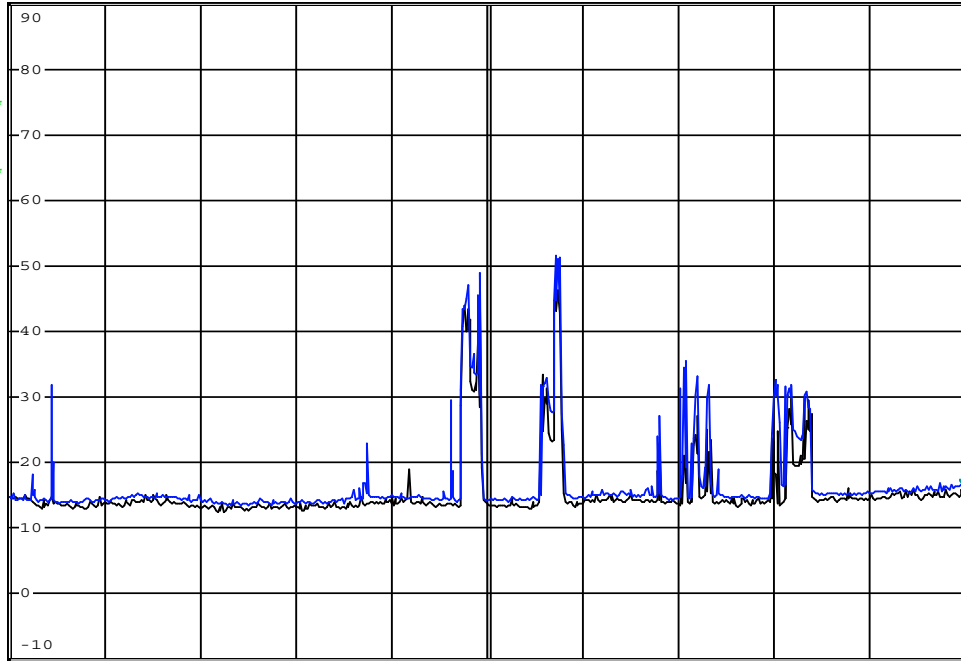
\*RBW 1 MHz    Marker 1 [T1 ]  
 VBW 10 MHz    16.10 dBμV  
 SWT 10 ms    3.000000000 GHz

Ref 90 dBμV

\*Att 0 dB

1 RM\*  
VIEW

2 RM\*  
VIEW



Start 1 GHz

200 MHz/

Stop 3 GHz

Date: 5.JUL.2021 11:02:07

Trace	Trace	Antenna	Emission	Measured
1	2	Polarization	Frequency	Emission
Ambient	DUT	Vertical	(MHz)	(dBm)
			ND	ND

# Radiated Tx Emissions: Restricted Band

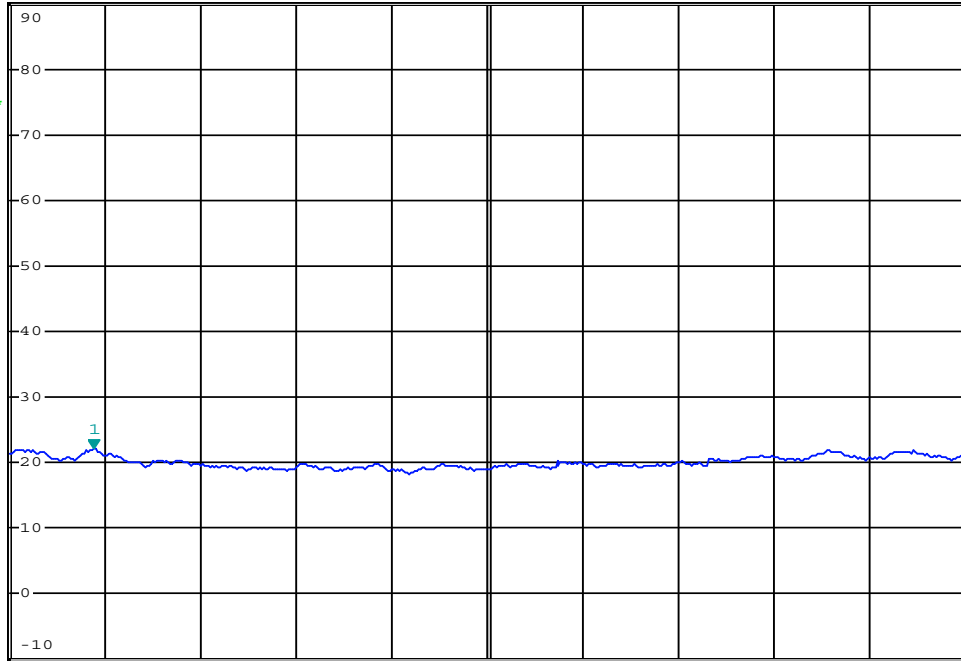


\*RBW 1 MHz      Marker 1 [T1 ]  
 VBW 10 MHz      22.05 dBμV  
 SWT 140 ms      3.616000000 GHz

Ref 90 dBμV

\*Att 0 dB

1 RM\*  
 VIEW



Start 3 GHz      700 MHz/      Stop 10 GHz

Date: 5.JUL.2021 11:08:40

Antenna Polarization	Emission Frequency (MHz)	Measured Emission (dBm)
Horizontal	ND	ND



# Radiated Tx Emissions: Restricted Band

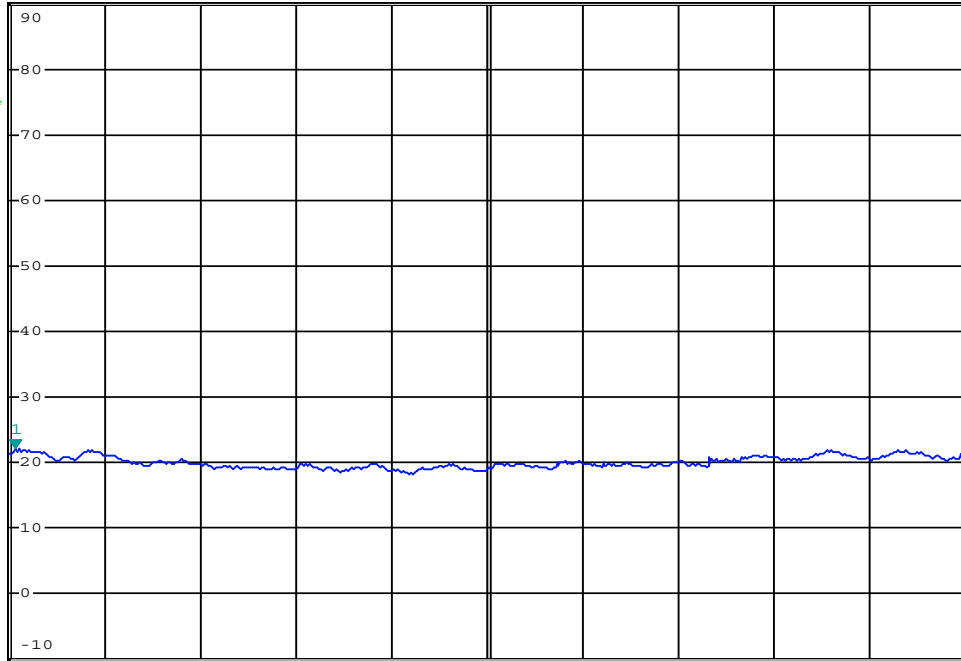


\*RBW 1 MHz      Marker 1 [T1 ]  
 VBW 10 MHz      22.10 dBμV  
 SWT 140 ms      3.042000000 GHz

Ref 90 dBμV

\*Att 0 dB

1 RM\*  
 VIEW



Start 3 GHz      700 MHz/      Stop 10 GHz

Date: 5.JUL.2021 11:02:50

Antenna Polarization	Emission Frequency (MHz)	Measured Emission (dBm)
Vertical	ND	ND