

Summary of Radiated Tx Emissions (Restricted Band)											
Measured Frequency Range (MHz)	Channel Frequency	Antenna Polarization	Emission Frequency	Measured Emission [E _{Meas}] (dBuV)	Antenna ACF [ACF] (dB)	Cable Loss [L _c] (dB)	Amplifier Gain [G _A] (dB)	Corrected Emission [E _{Corr}] (dBuV/m)	Limit (dBuV)	Margin (dB)	
9kHz - 30MHz	2412.0	Front	ND	ND (1)	0.00	0.00	0.00 (3)	ND (2)	n/a	n/a	
9kHz - 30MHz	2412.0	Side	ND	ND (1)	0.00	0.00	0.00 (3)	ND (2)	n/a	n/a	
30-1000MHz	2412.0	Horizontal	ND	ND (1)	0.00	0.00	0.00 (3)	ND (2)	n/a	n/a	
30-1000MHz	2412.0	Vertical	ND	ND (1)	0.00	0.00	0.00 (3)	ND (2)	n/a	n/a	
1 - 3GHz	2412.0	Horizontal	ND	ND (1)	27.40	4.58	0.00 (3)	ND	54.0	n/a	
1 - 3GHz	2412.0	Vertical	ND	ND (1)	27.40	4.58	0.00 (3)	ND	54.0	n/a	
3-13GHz	2412.0	Horizontal	ND	ND (1)	36.76	9.86	0.00 (3)	ND	54.0	n/a	
3-13GHz	2412.0	Vertical	ND	ND (1)	36.76	9.86	0.00 (3)	ND	54.0	n/a	
13-18GHz	2412.0	Horizontal	ND	ND (1)	38.75	16.54	0.00 (3)	ND	54.0	n/a	
13-18GHz	2412.0	Vertical	ND	ND (1)	38.75	16.54	0.00 (3)	ND	54.0	n/a	
18-26GHz	2412.0	Horizontal	ND	ND (1)	43.50	21.86	26.00	ND	54.0	n/a	
18-26GHz	2412.0	Vertical	ND	ND (1)	43.50	21.86	26.00	ND	54.0	n/a	
Results:									Complies		

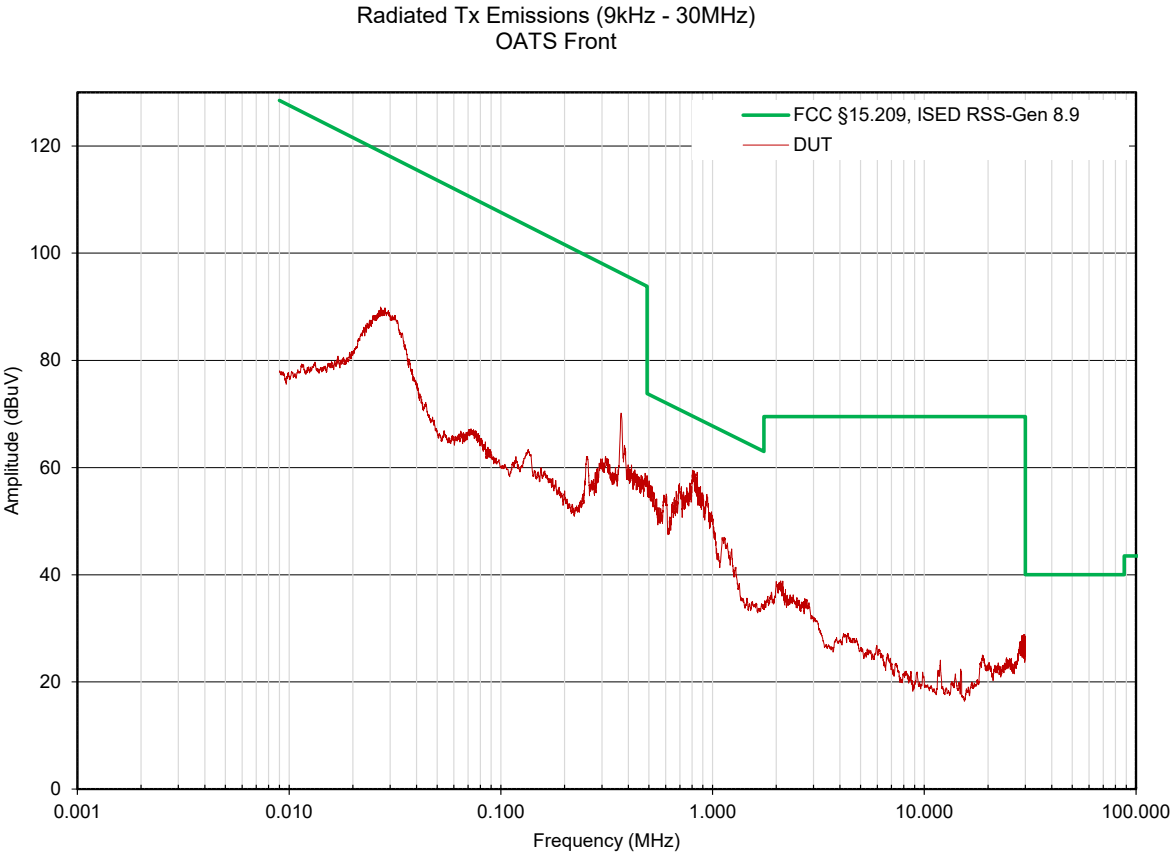
(1) No Emissions Detected (ND) above ambient or within 20dB of the limit

(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:

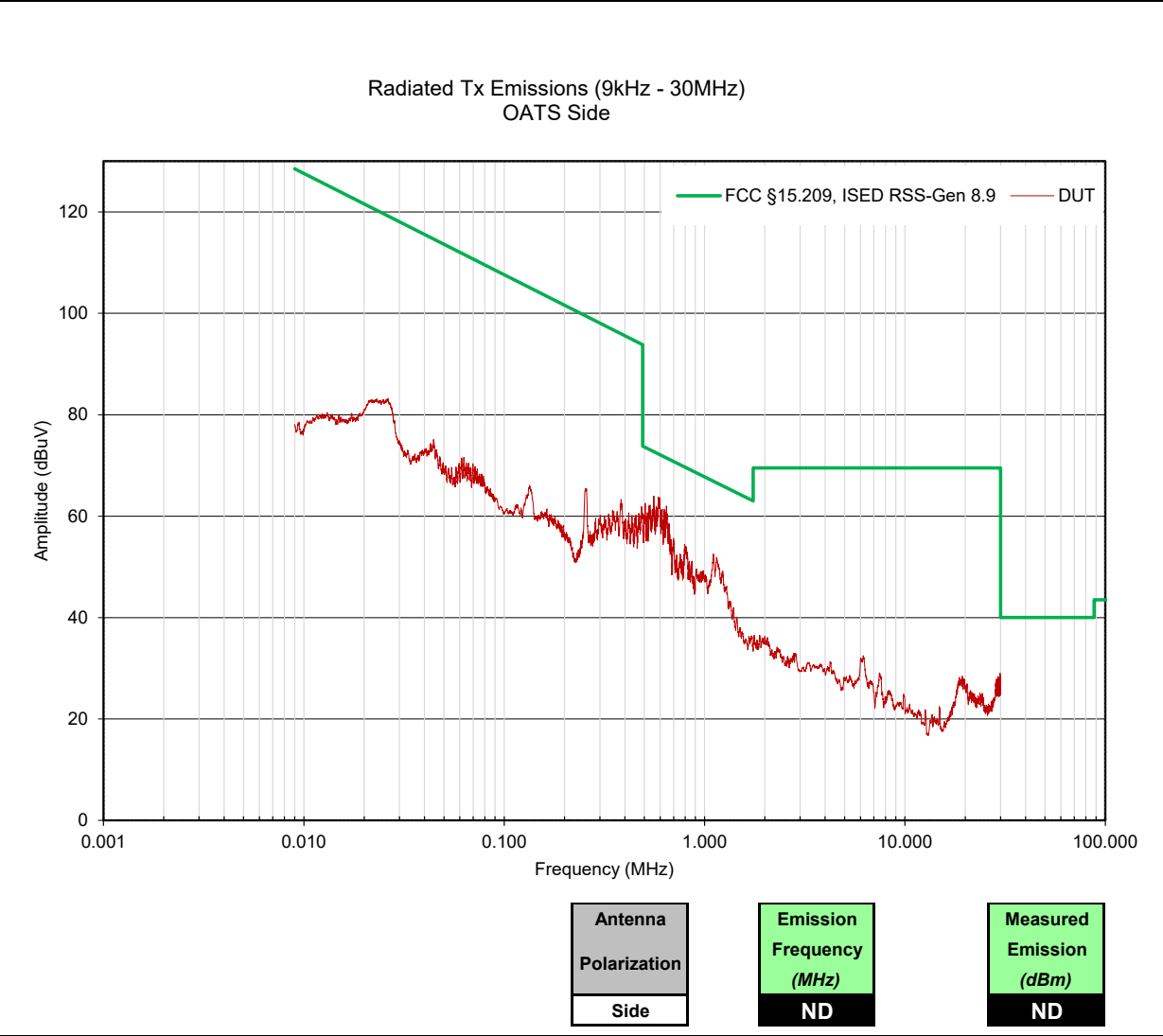


Antenna
Polarization
Front

Emission
Frequency
(MHz)
ND

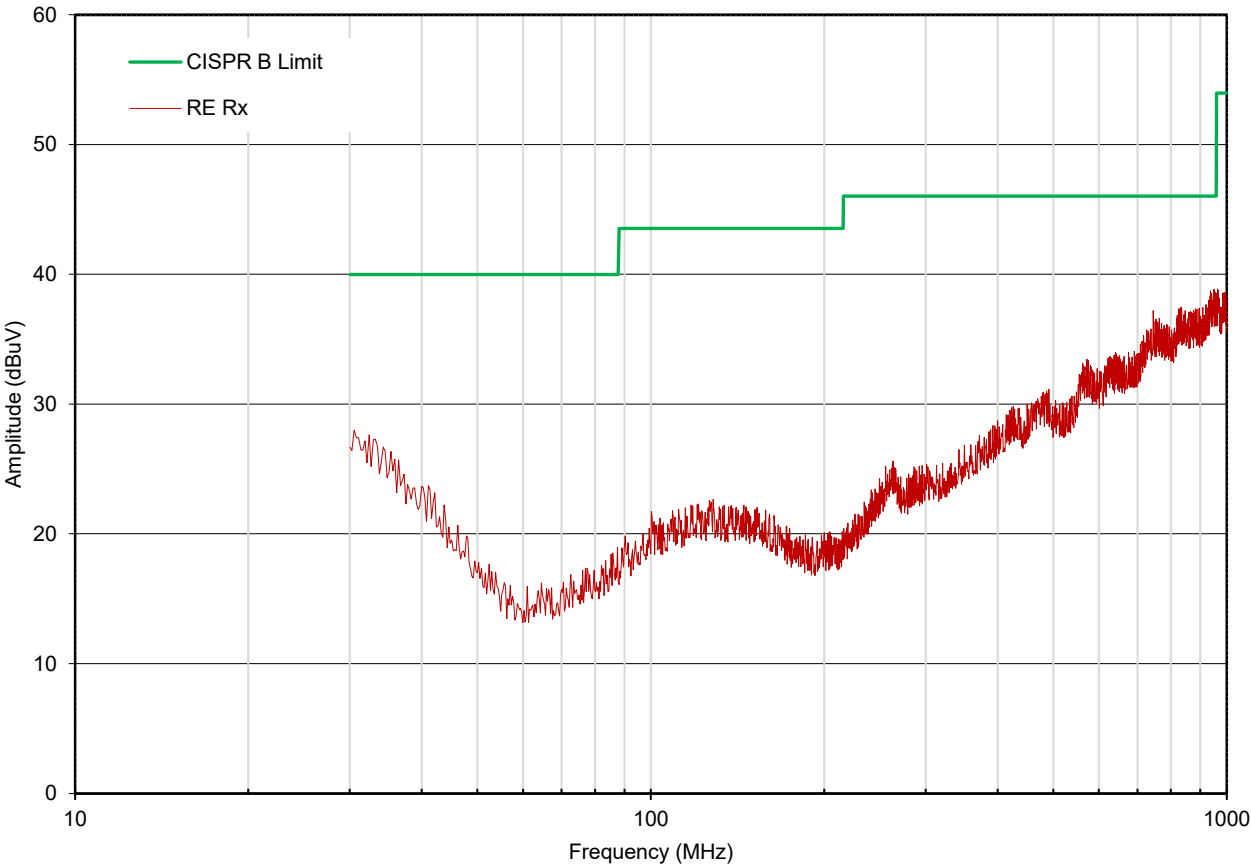
Measured
Emission
(dBm)
ND

Radiated Tx Emissions:



Radiated Tx Emissions

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



Frequency Range:

30 - 1000MHz

Antenna Polarization

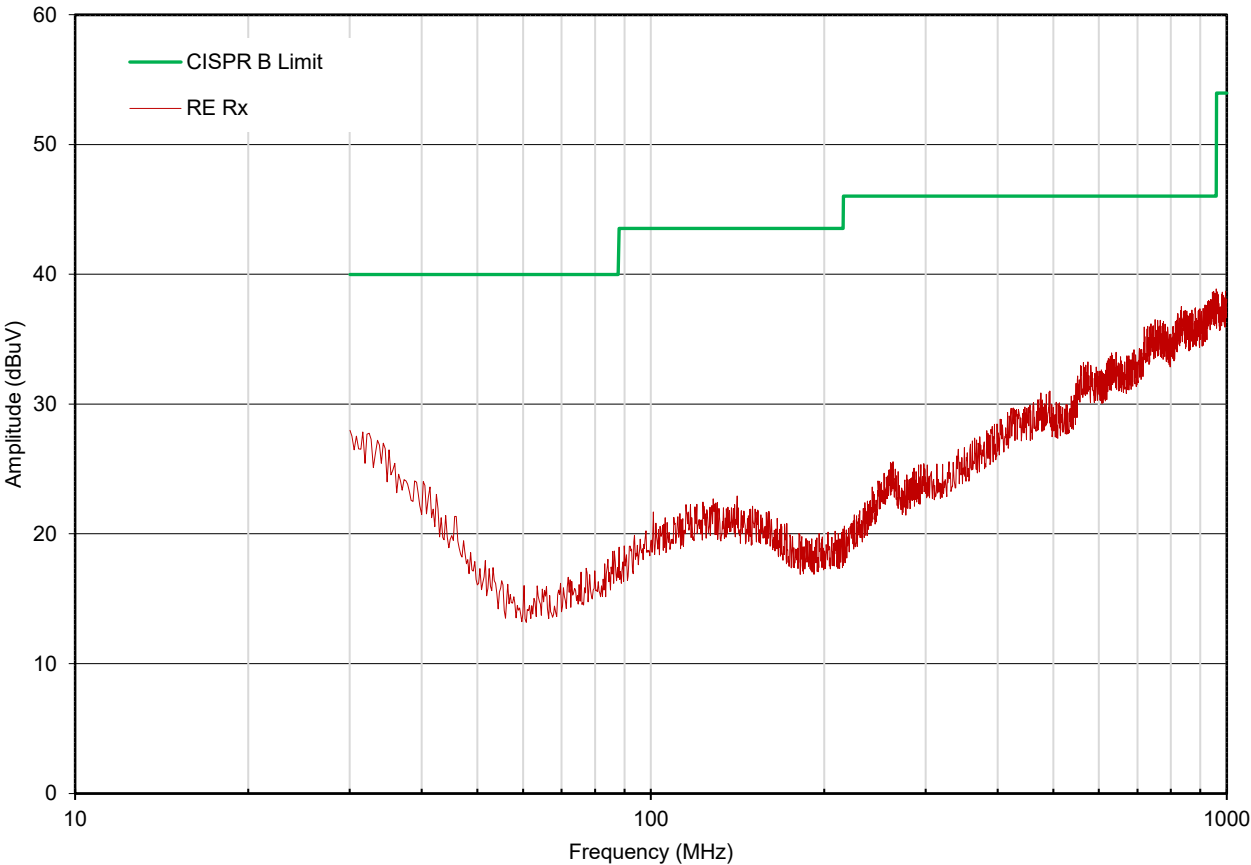
Horizontal

Measured Emission:

None Detected (ND) dBm

Radiated Tx Emissions

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

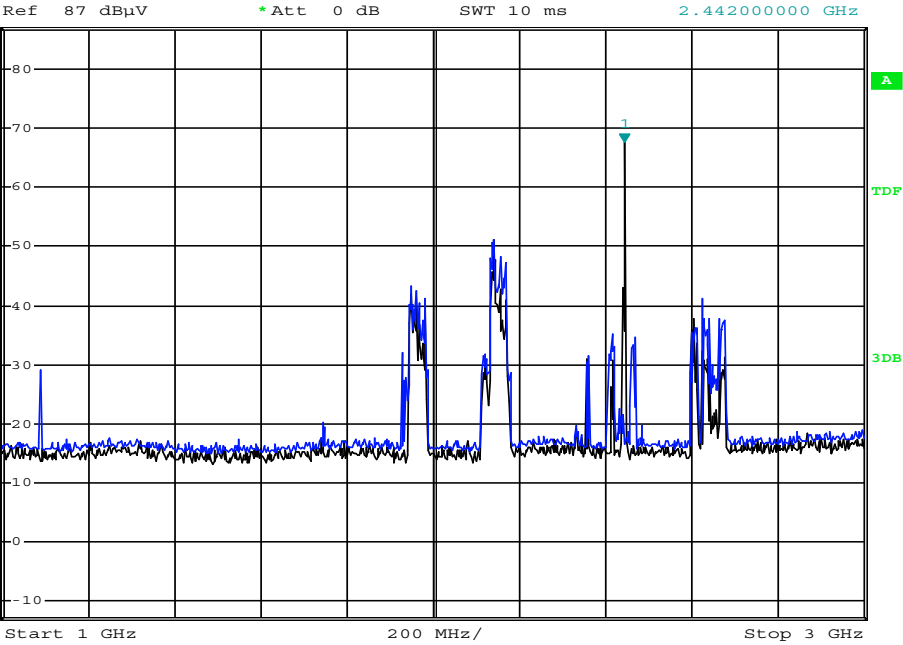


Frequency Range: 30 - 1000MHz	Antenna Polarization Vertical	Measured Emission: None Detected (ND) dBm
---	---	---

Radiated Tx Emissions



*RBW 1 MHz Marker 1 [T2]
VBW 10 MHz 67.71 dBμV
SWT 10 ms 2.442000000 GHz



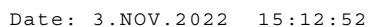
Date: 3.NOV.2022 15:17:28

Frequency Range: 1 - 3GHz	Antenna Polarization Horizontal	Measured Emission: None Detected (ND) dBm
-------------------------------------	---	---

Marker 1: Fundamental

1 RM *
VIEW

2 RM
VIEW



1 - 3GHz

Vertical

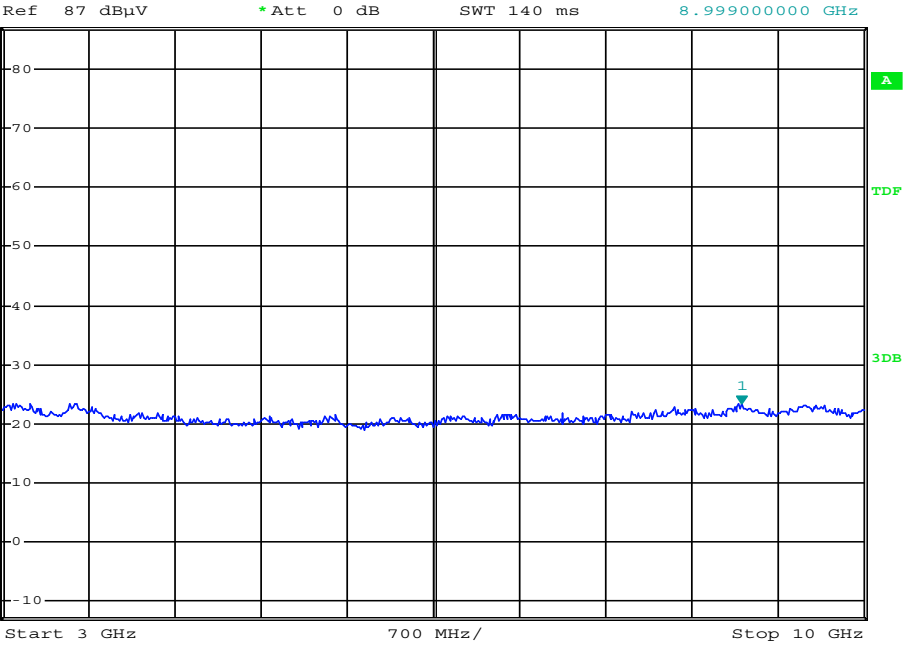
None Detected (ND) dBm

Marker 1: Fundamental

Radiated Tx Emissions



*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 23.48 dBμV
SWT 140 ms 8.999000000 GHz



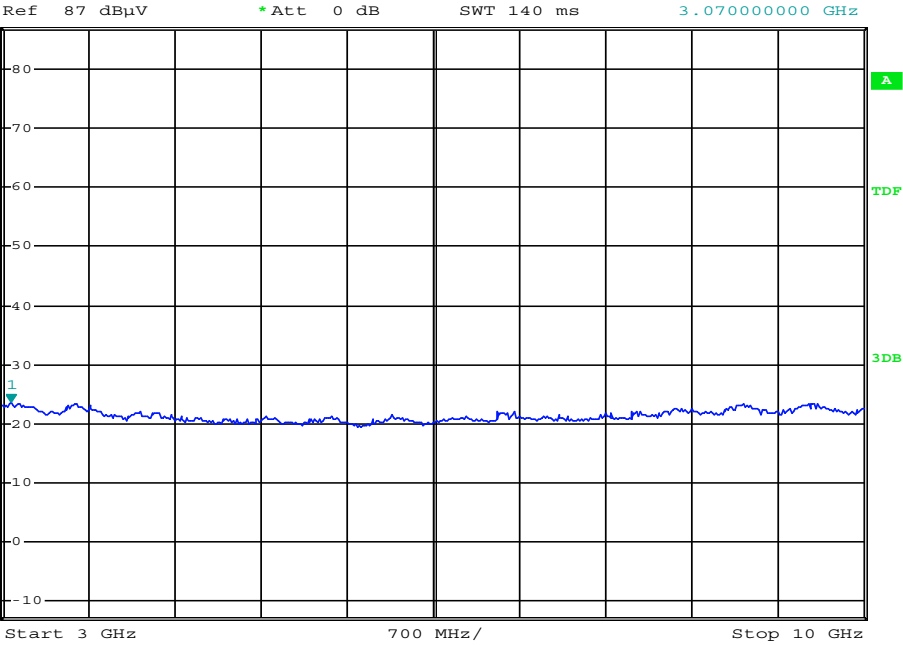
Date: 3.NOV.2022 15:17:52

Frequency Range: 3 - 10GHz	Antenna Polarization Horizontal	Measured Emission: None Detected (ND) dBm
--------------------------------------	---	---

Radiated Tx Emissions



*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 23.49 dBμV
SWT 140 ms 3.070000000 GHz



Date: 3.NOV.2022 15:13:17

Frequency Range: 3 - 10GHz	Antenna Polarization Vertical	Measured Emission: None Detected (ND) dBm
--------------------------------------	---	---

Radiated Tx Emissions

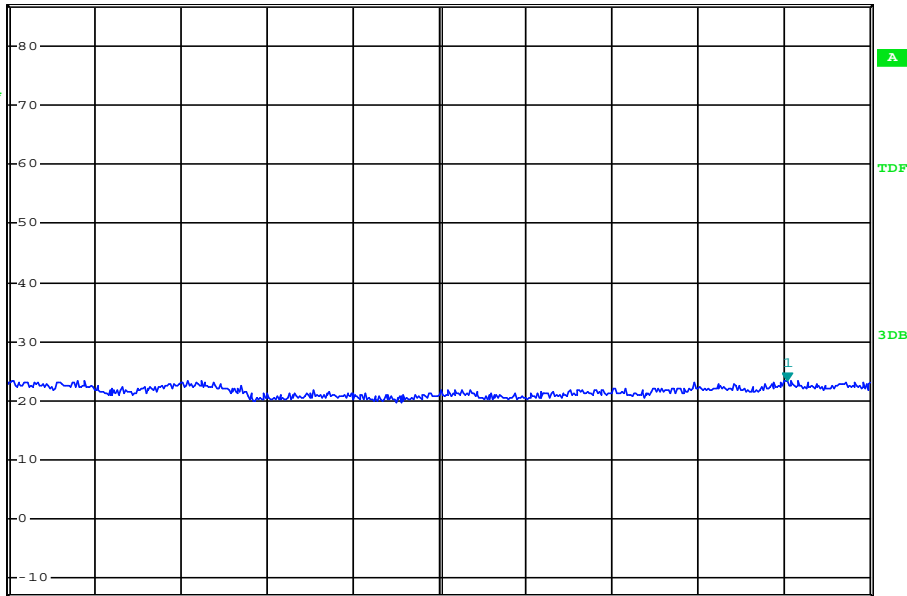


*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 23.48 dBμV
SWT 75 ms 13.254400000 GHz

Ref 87 dBμV

*Att 0 dB

1 RM
VIEW



Start 10 GHz 360 MHz/ Stop 13.6 GHz

Date: 3.NOV.2022 15:18:15

Frequency Range:

10 - 13.6GHz

Antenna Polarization

Horizontal

Measured Emission:

None Detected (ND) dBm

Radiated Tx Emissions

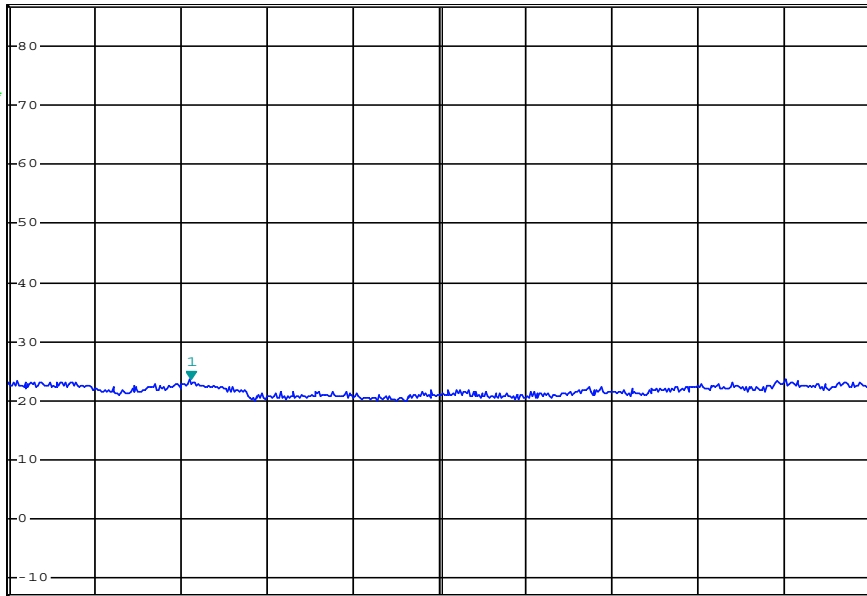


*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 23.55 dBμV
SWT 75 ms 10.759600000 GHz

Ref 87 dBμV

*Att 0 dB

1 RM
VIEW



A

TDF

3DB

Start 10 GHz

360 MHz/

Stop 13.6 GHz

Date: 3.NOV.2022 15:13:32

Frequency Range:

10 - 13.6GHz

Antenna Polarization

Vertical

Measured Emission:

None Detected (ND) dBm

Radiated Tx Emissions

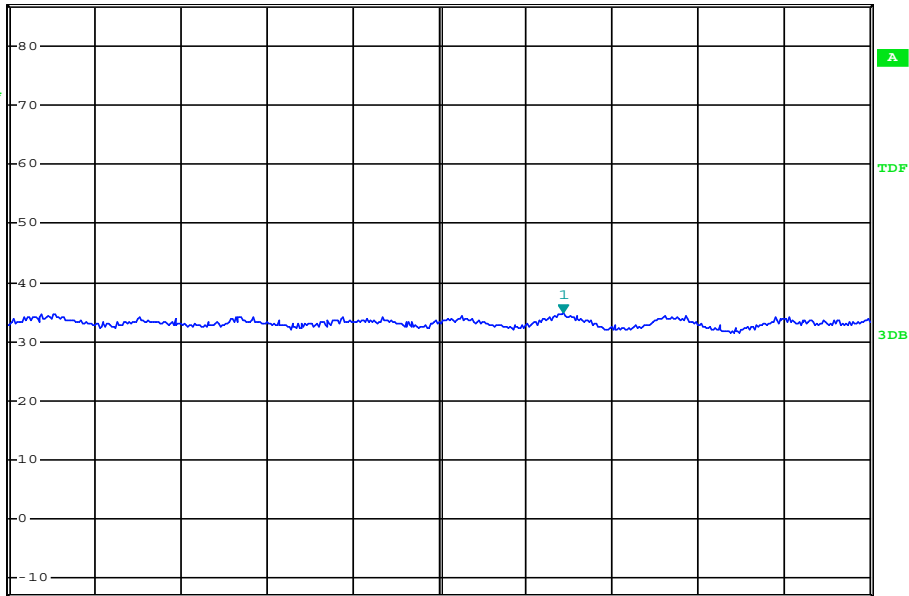


*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 34.83 dBμV
SWT 90 ms 16.433600000 GHz

Ref 87 dBμV

*Att 0 dB

1 RM
VIEW



Start 13.6 GHz 440 MHz/ Stop 18 GHz

Date: 3.NOV.2022 15:18:30

Frequency Range:

13 - 18GHz

Antenna Polarization

Horizontal

Measured Emission:

None Detected (ND) dBm

Radiated Tx Emissions

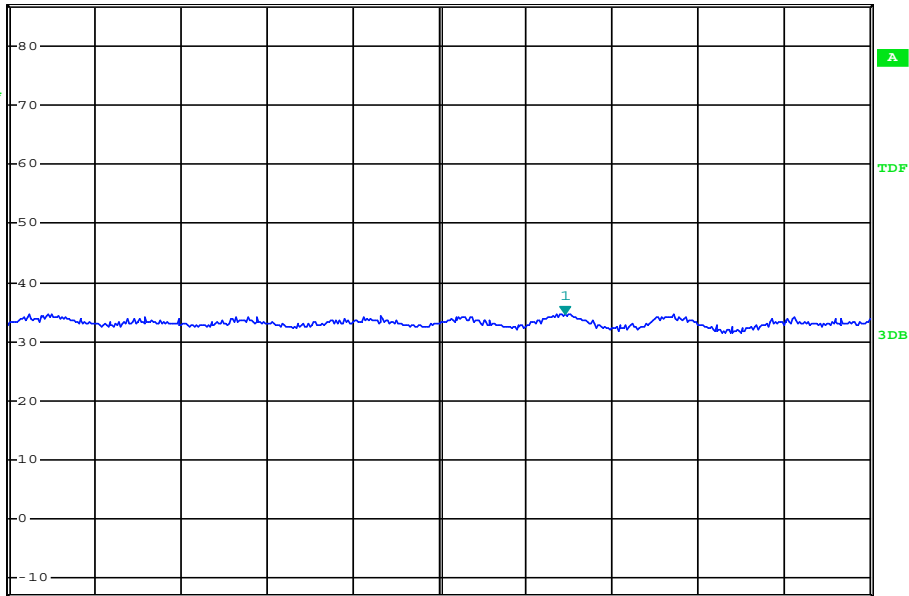


*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 34.69 dBμV
SWT 90 ms 16.442400000 GHz

Ref 87 dBμV

*Att 0 dB

1 RM
VIEW



Start 13.6 GHz 440 MHz/ Stop 18 GHz

Date: 3.NOV.2022 15:13:55

Frequency Range:

13 - 18GHz

Antenna Polarization

Vertical

Measured Emission:

None Detected (ND) dBm

Radiated Tx Emissions



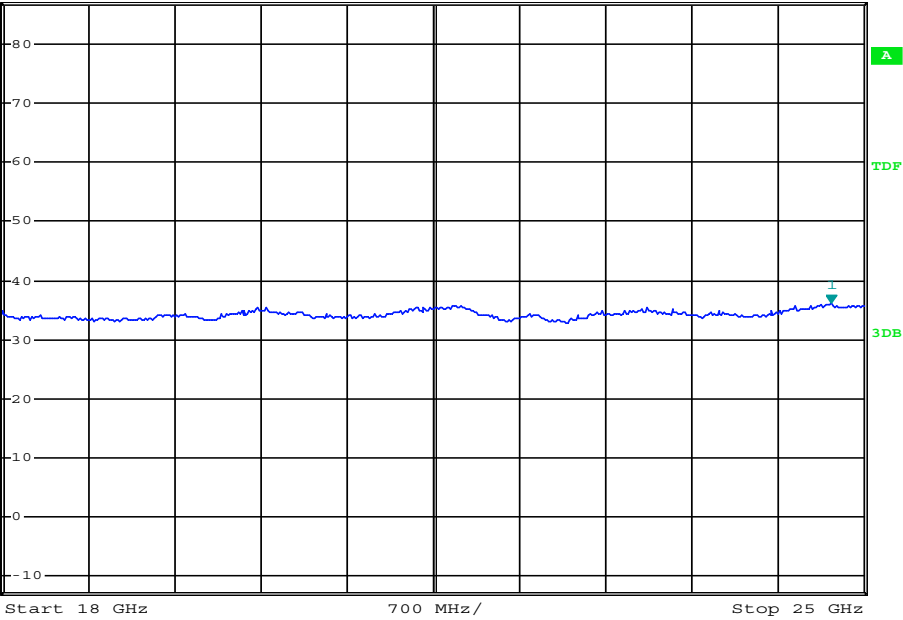
Ref 87 dBμV

*Att 0 dB

*RBW 1 MHz
VBW 10 MHz
SWT 140 ms

Marker 1 [T1]
36.12 dBμV
24.727000000 GHz

1 RM
VIEW



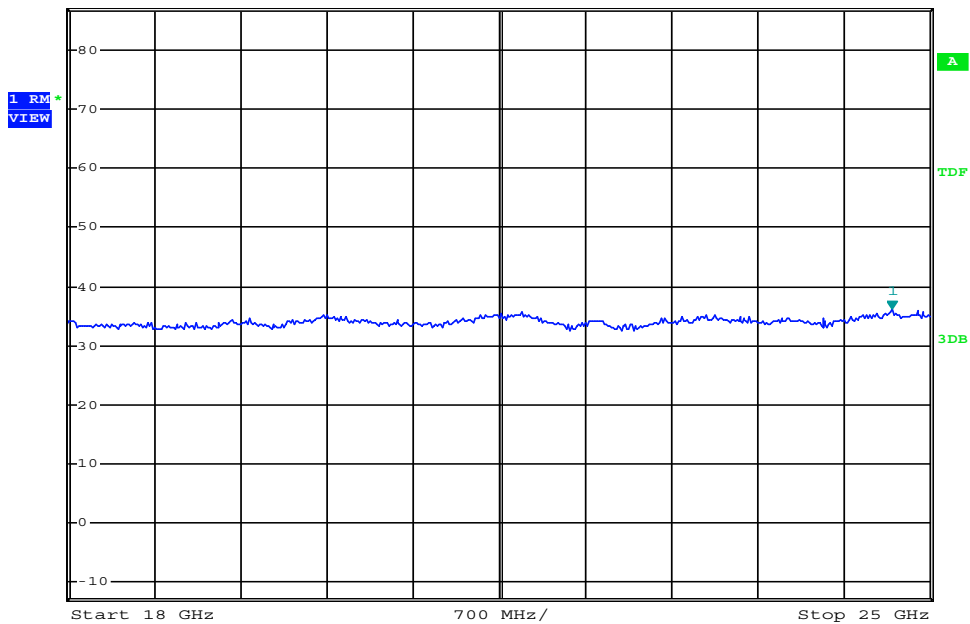
Date: 3.NOV.2022 16:56:31

Frequency Range: 18 - 25GHz	Antenna Polarization Horizontal	Measured Emission: None Detected (ND) dBm
---------------------------------------	---	---

* Att 0 dB

```
* RBW 1 MHz
  VBW 10 MHz
  SWT 140 ms
```

Marker 1 [T1]
36.26 dBμV
24.692000000 GHz



Date: 3.NOV.2022 17:00:01

18 - 25GHz

Vertical

None Detected (ND) dBm

Summary of Radiated Tx Emissions (Restricted Band)											
Measured Frequency Range (MHz)	Channel Frequency	Antenna Polarization	Emission Frequency	Measured Emission [E _{Meas}] (dBuV)	Antenna ACF [ACF] (dB)	Cable Loss [L _C] (dB)	Amplifier Gain [G _A] (dB)	Corrected Emission [E _{Corr}] (dBuV/m)	Limit (dBuV)	Margin (dB)	
9kHz - 30MHz	2412.0	Front	ND	ND (1)	0.00	0.00	0.00 (3)	ND (2)	n/a	n/a	
9kHz - 30MHz	2412.0	Side	ND	ND (1)	0.00	0.00	0.00 (3)	ND (2)	n/a	n/a	
30-1000MHz	2412.0	Horizontal	ND	ND (1)	0.00	0.00	0.00 (3)	ND (2)	n/a	n/a	
30-1000MHz	2412.0	Vertical	ND	ND (1)	0.00	0.00	0.00 (3)	ND (2)	n/a	n/a	
1 - 3GHz	2412.0	Horizontal	ND	ND (1)	27.40	4.58	0.00 (3)	ND	54.0	n/a	
1 - 3GHz	2412.0	Vertical	ND	ND (1)	27.40	4.58	0.00 (3)	ND	54.0	n/a	
Results:									Complies		

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

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

(3) External Amplier not used

$$E_{Corr} = E_{Meas} + ACF + L_C - G_A$$

Radiated Tx Emissions NFC

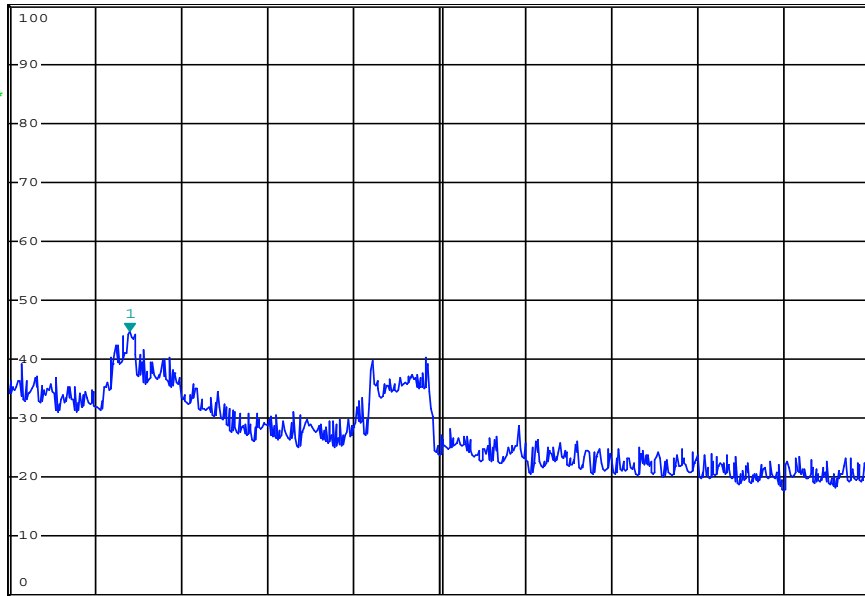


*RBW 300 Hz Marker 1 [T1]
VBW 3 kHz 44.71 dBμV
*SWT 2 s 28.74000000 kHz

Ref 100 dBμV

*Att 0 dB

1 RMS
VIEW



Start 9 kHz

14.1 kHz/

Stop 150 kHz

Date: 31.OCT.2022 15:26:31

Frequency Range:

9kHz - 150kHz

Antenna Polarization

Front

Measured Emission:

- dBm

Radiated Tx Emissions NFC

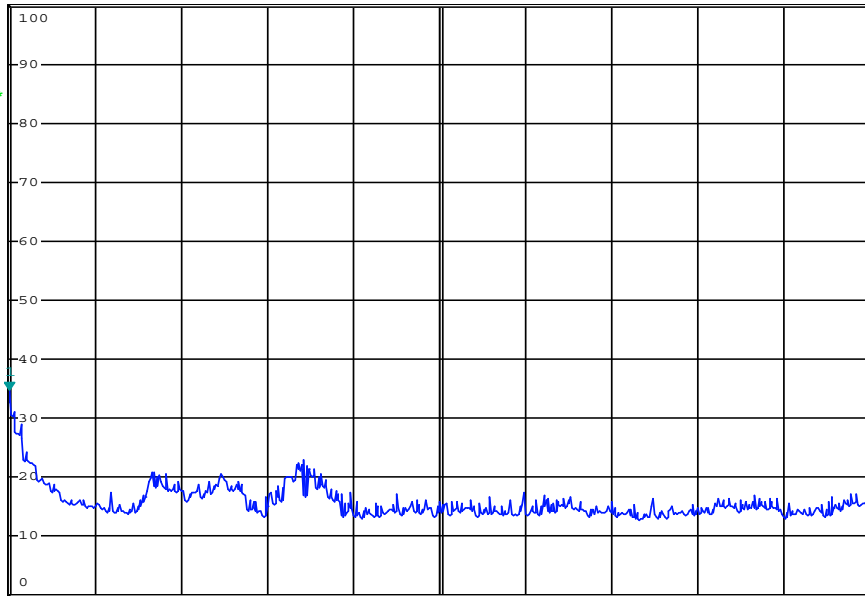


*RBW 10 kHz Marker 1 [T1]
VBW 100 kHz 34.74 dBμV
SWT 300 ms 150.000000000 kHz

Ref 100 dBμV

*Att 0 dB

1 RMS
MAXH



Start 150 kHz

2.985 MHz/

Stop 30 MHz

Date: 31.OCT.2022 15:27:50

Frequency Range:

150kHz - 30MHz

Antenna Polarization

Front

Measured Emission:

- dBm

Radiated Tx Emissions NFC

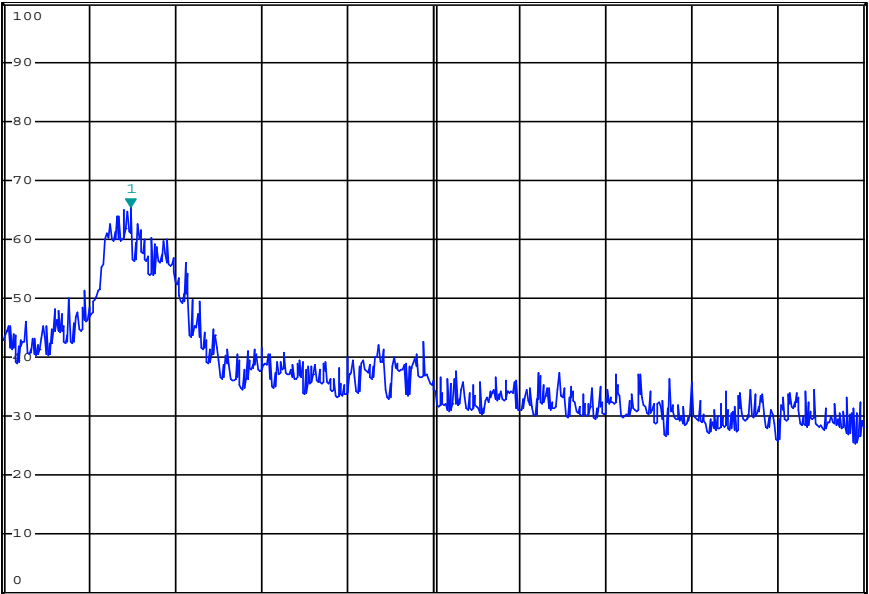


*RBW 300 Hz Marker 1 [T1]
VBW 3 kHz 65.47 dBμV
SWT 1.6 s 29.868000000 kHz

Ref 100 dBμV

*Att 0 dB

1 RMS
VIEW



Start 9 kHz

14.1 kHz/

Stop 150 kHz

Date: 31.OCT.2022 15:29:32

Frequency Range:

9kHz - 150kHz

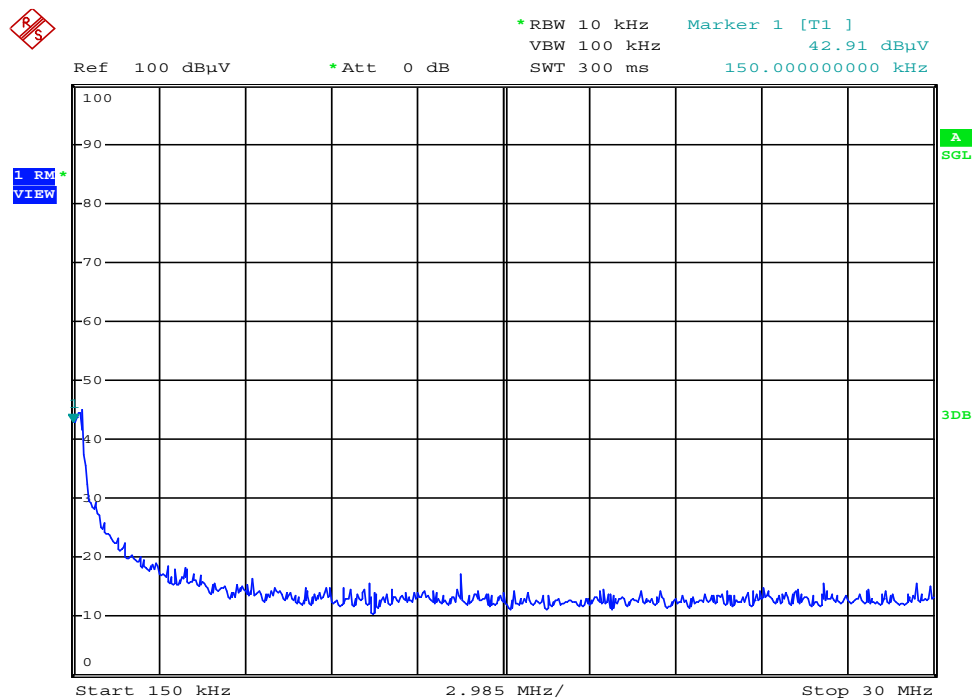
Antenna Polarization

Side

Measured Emission:

- dBm

Radiated Tx Emissions NFC



Date: 31.OCT.2022 15:28:47

Frequency Range: 150kHz - 30MHz	Antenna Polarization Side	Measured Emission: - dBm
---	-------------------------------------	------------------------------------