

Summary of Radiated Tx Emissions

Measured Frequency Range (MHz)	Channel Frequency (MHz)	Antenna Polarization	Emission Frequency (MHz)	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)
30-1000 MHz	2437.0	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)
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

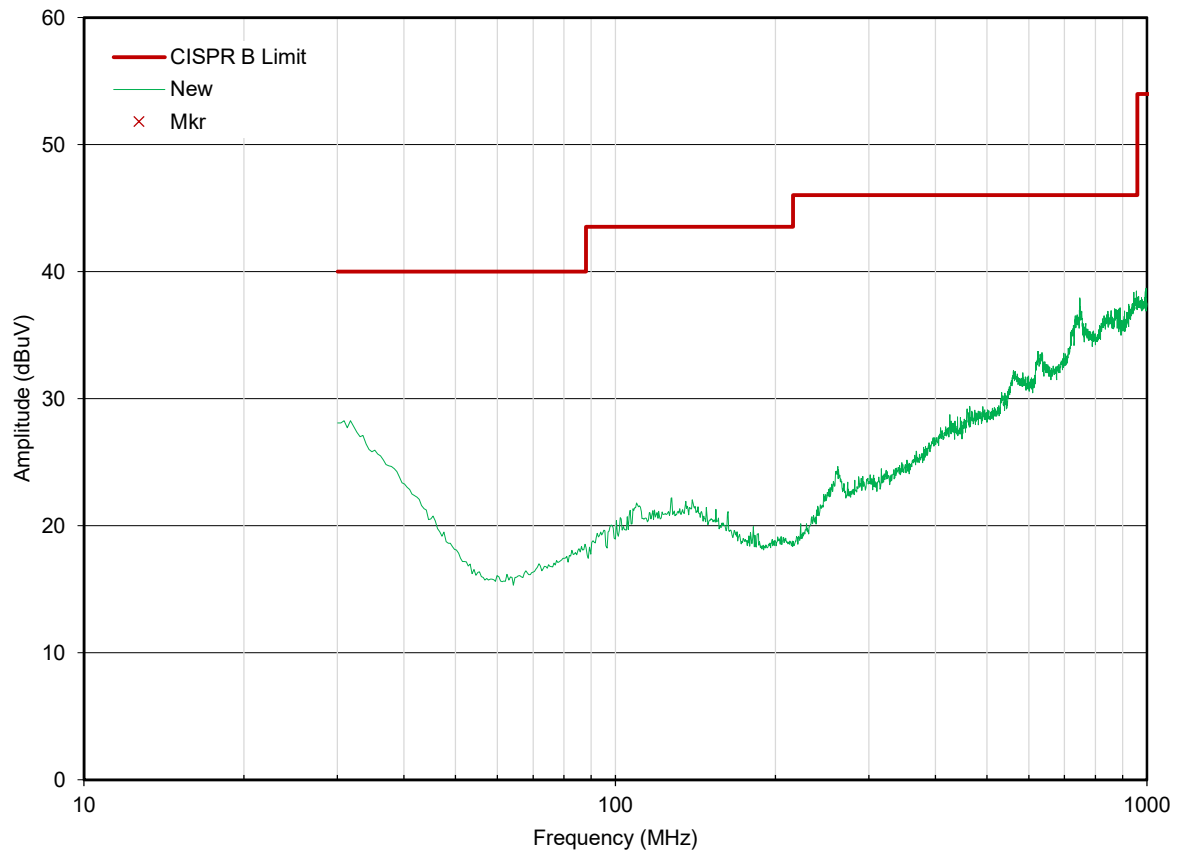
$$E_{\text{Corr}} = E_{\text{Meas}} + ACF^E + L_C - G_A$$

Where ACF^E is the Electric Antenna Correction Factor

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

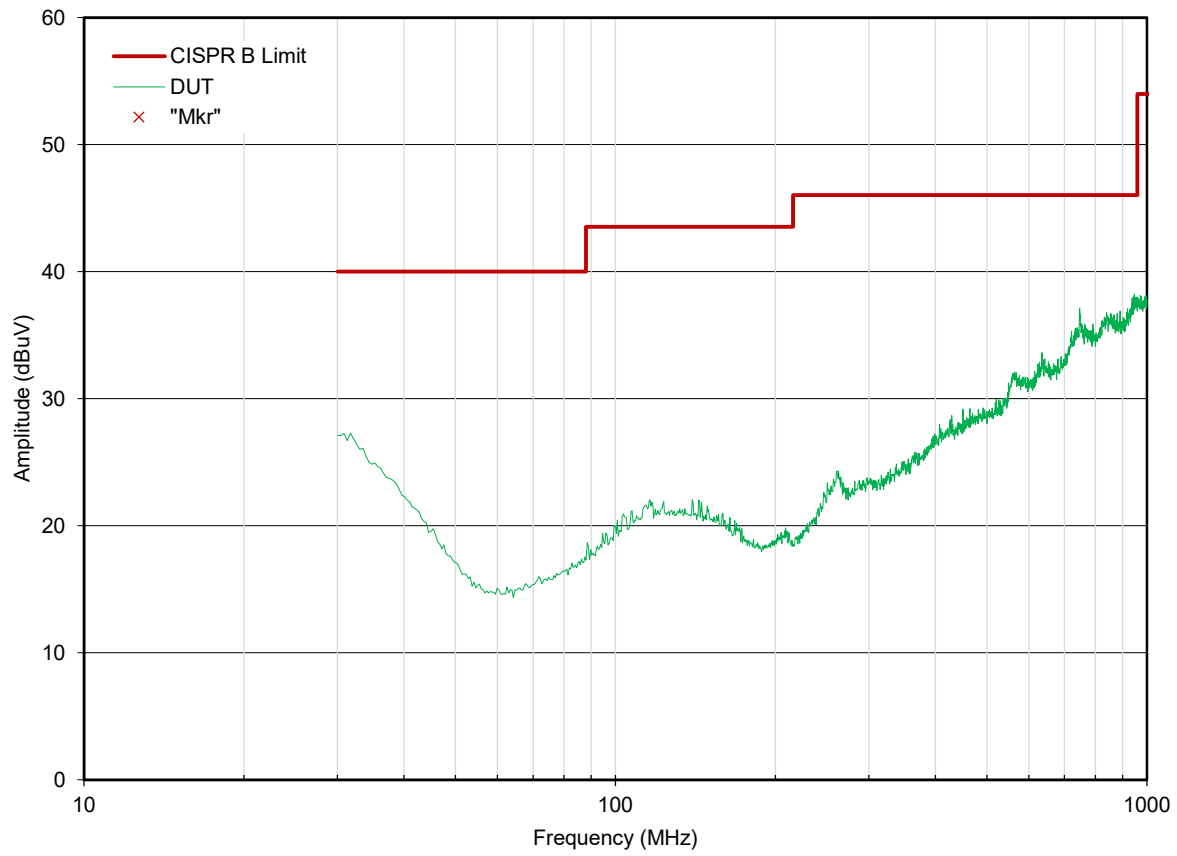
Radiated Tx Emissions:

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



Radiated Tx Emissions:

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



Radiated Tx Emissions:



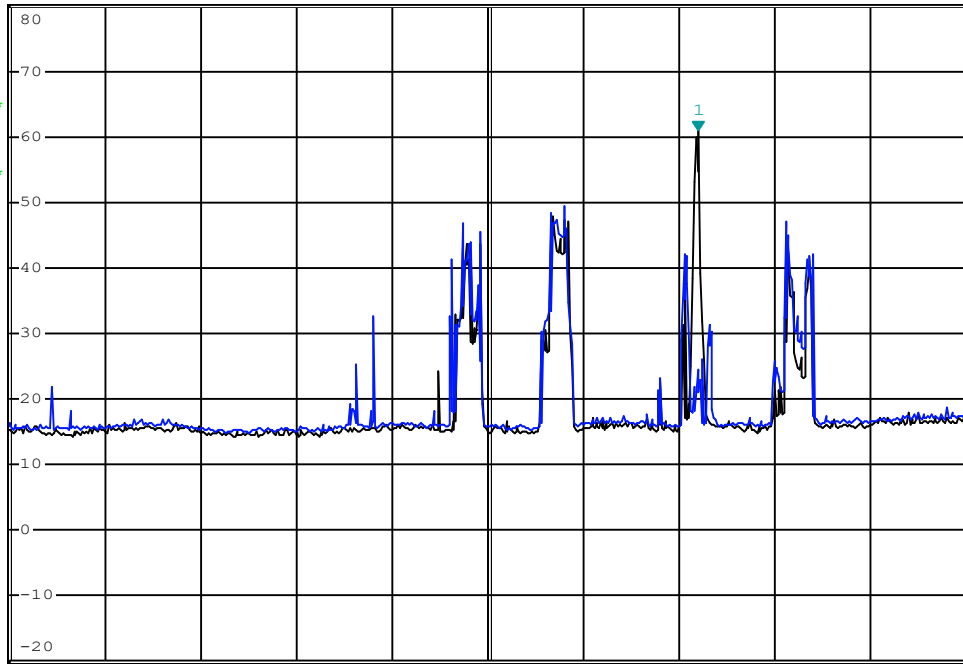
*RBW 1 MHz Marker 1 [T2]
VBW 10 MHz 60.90 dBuV
SWT 10 ms 2.44000000 GHz

Ref 80 dBuV

*Att 0 dB

1 RM*
VIEW

2 RM*
VIEW



Date: 17.JUL.2024 10:27:44

Channel:

Channel Frequency: MHz

Mode:

Modulation:

Polarization:

Measured Channel Power: dBuV

Emission Frequency: MHz

Radiated Tx Emissions:



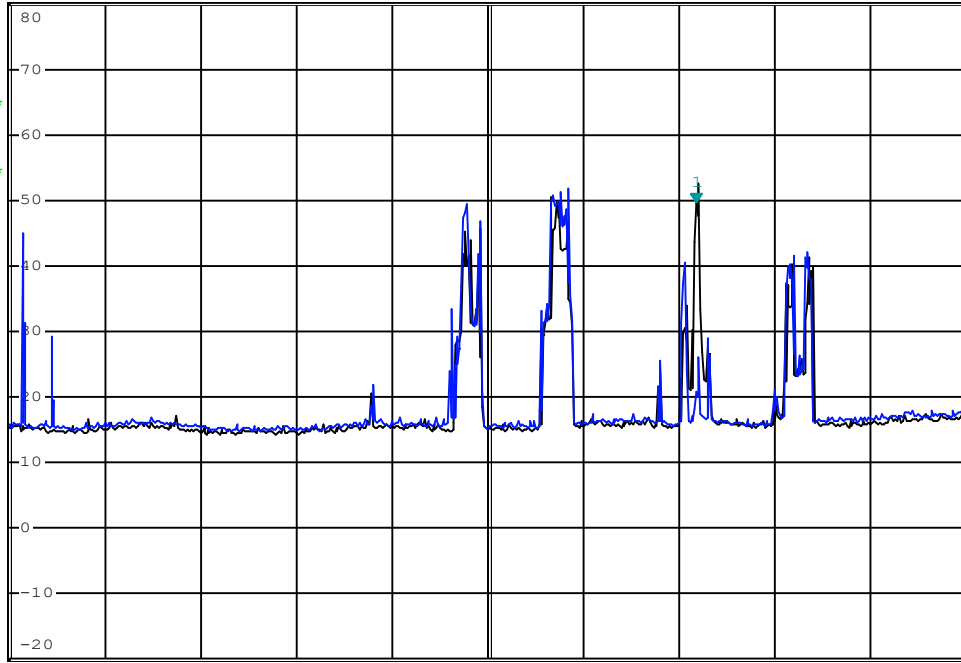
*RBW 1 MHz Marker 1 [T2]
VBW 10 MHz 49.74 dBuV
SWT 10 ms 2.437000000 GHz

Ref 80 dBuV

*Att 0 dB

1 RM*
VIEW

2 RM*
VIEW



Date: 17.JUL.2024 10:19:23

Channel:

Channel Frequency: MHz

Mode:

Modulation:

Polarization:

Measured Channel Power: dBuV

Emission Frequency: MHz

Radiated Tx Emissions:

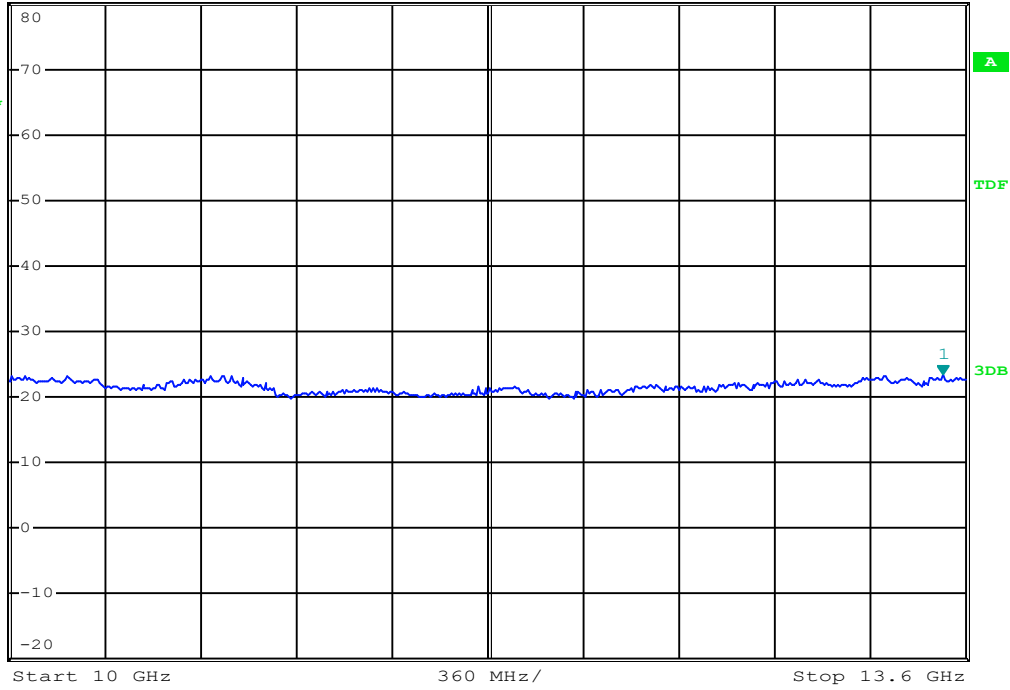


*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 23.37 dBuV
SWT 75 ms 13.51360000 GHz

Ref 80 dBuV

*Att 0 dB

1 RM*
VIEW



Date: 17.JUL.2024 10:28:27

Channel:

Channel Frequency: MHz

Mode:

Modulation:

Polarization:

Measured Emission Power: dBuV

Emission Frequency: MHz

Radiated Tx Emissions:

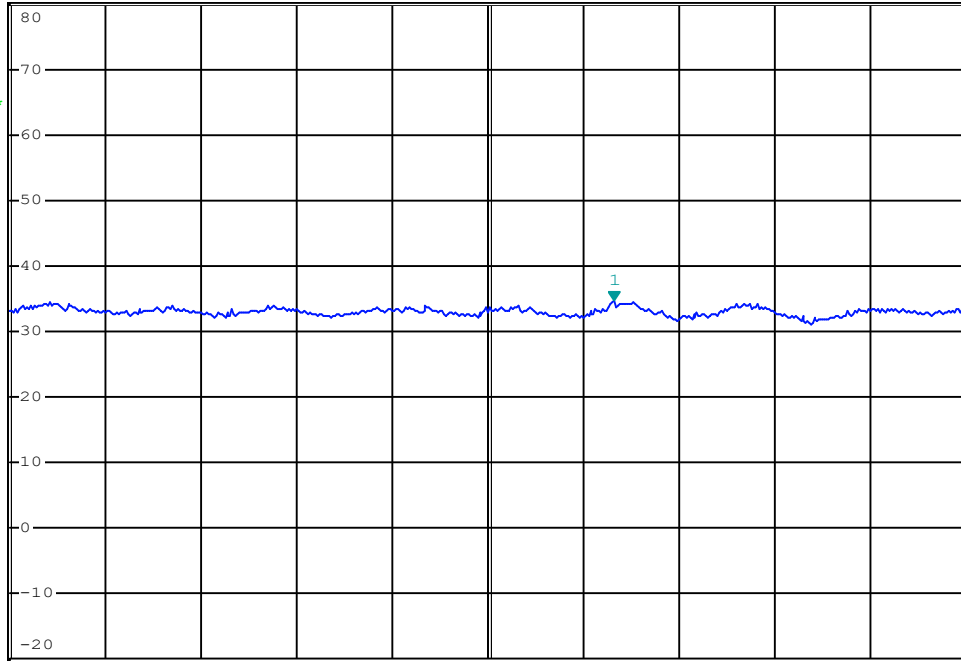


*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 34.65 dBuV
SWT 90 ms 16.380800000 GHz

Ref 80 dBuV

*Att 0 dB

1 RM*
VIEW



Start 13.6 GHz 440 MHz/ Stop 18 GHz

Date: 17.JUL.2024 10:28:47

Channel:

Channel Frequency: MHz

Mode:

Modulation:

Polarization:

Measured Emission Power: dBuV

Emission Frequency: MHz

Radiated Tx Emissions:

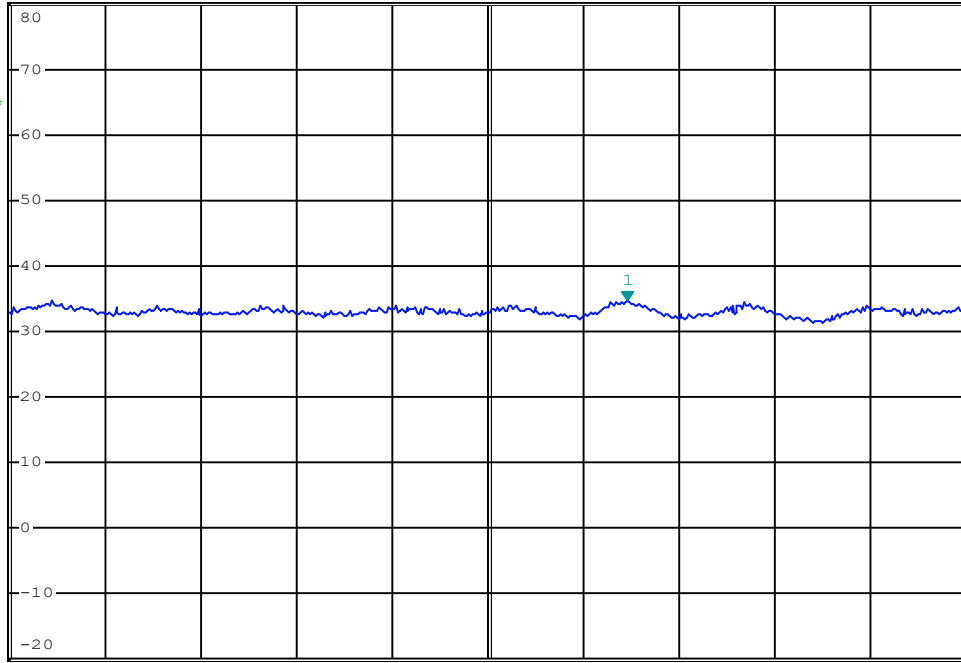


*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 34.70 dBuV
SWT 90 ms 16.442400000 GHz

Ref 80 dBuV

*Att 0 dB

1 RM*
VIEW



Start 13.6 GHz 440 MHz/ Stop 18 GHz

Date: 17.JUL.2024 10:20:48

Channel:

Channel Frequency: MHz

Mode:

Modulation:

Polarization:

Measured Emission Power: dBuV

Emission Frequency: MHz

Radiated Tx Emissions:

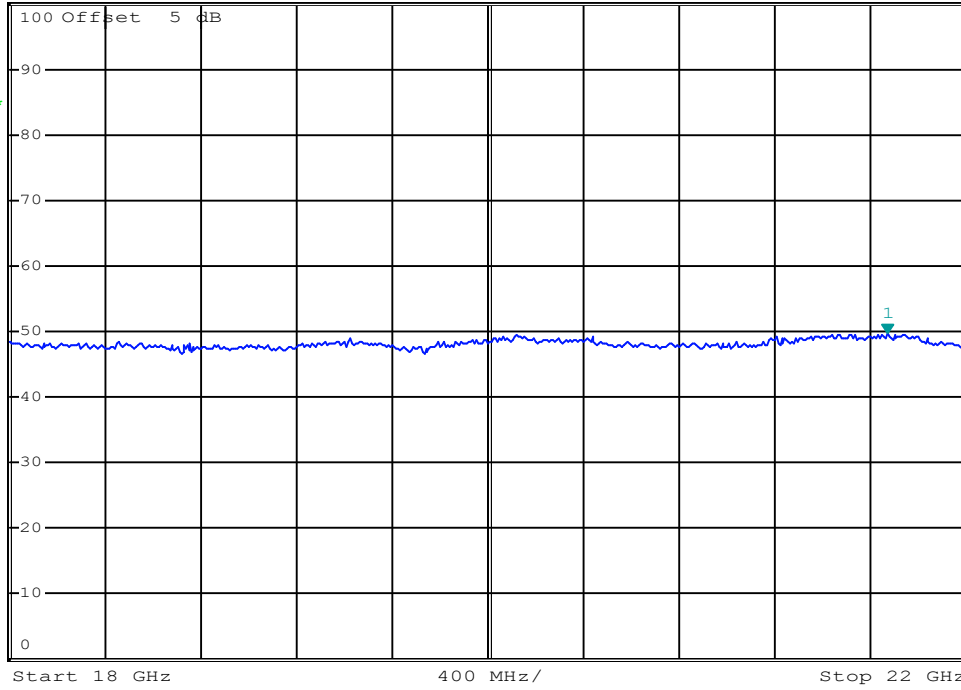


*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 49.69 dBuV
SWT 80 ms 21.672000000 GHz

Ref 100 dBuV

*Att 10 dB

1 RM*
VIEW



Date: 17.JUL.2024 13:57:14

Channel: 6

Channel Frequency: 2437 MHz

Mode: 802.11b

Modulation: DSSS 5.5

Polarization: Horizontal

Measured Emission Power: ND dBuV

Emission Frequency: ND MHz

Radiated Tx Emissions:

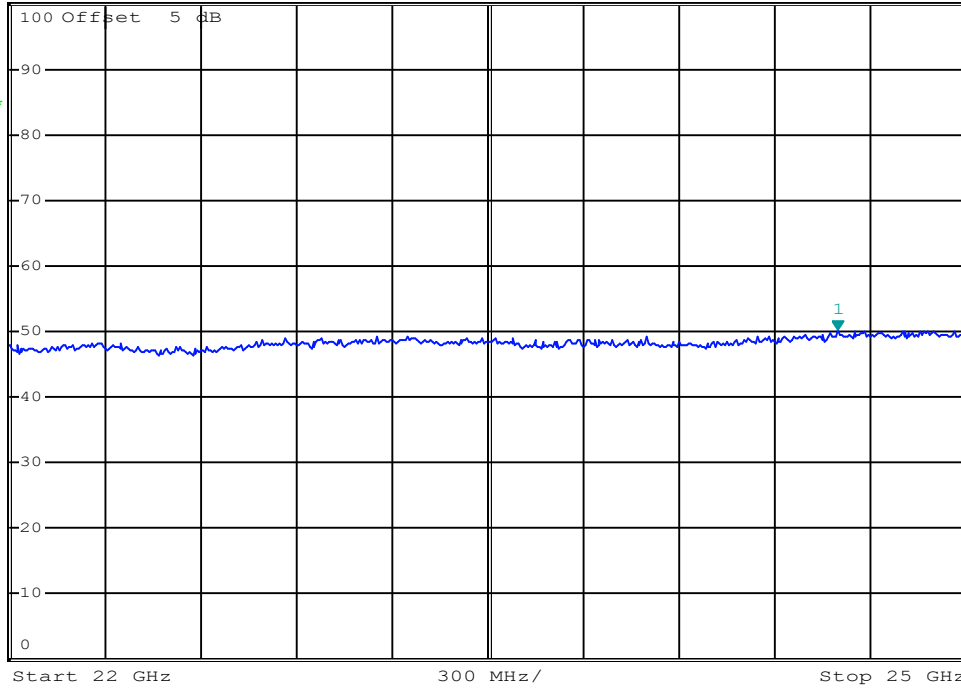


*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 50.14 dBuV
SWT 60 ms 24.598000000 GHz

Ref 100 dBuV

*Att 10 dB

1 RM*
VIEW



Date: 17.JUL.2024 13:57:38

Channel:

Channel Frequency: MHz

Mode:

Modulation:

Polarization:

Measured Emission Power: dBuV

Emission Frequency: MHz

Radiated Tx Emissions:

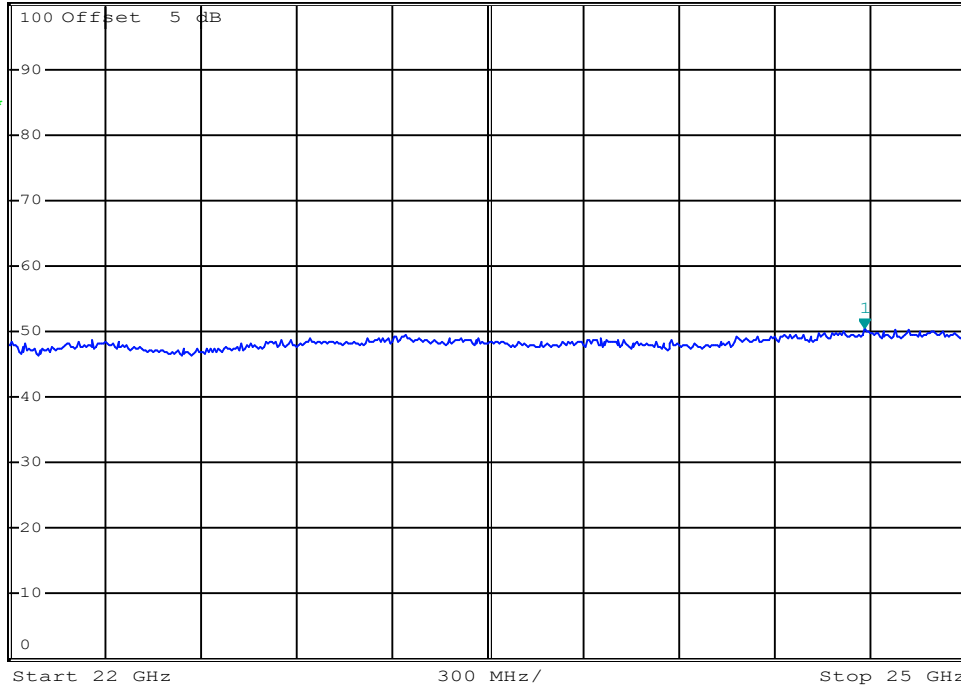


*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 50.39 dBuV
SWT 60 ms 24.682000000 GHz

Ref 100 dBuV

*Att 10 dB

1 RM*
VIEW



Date: 17.JUL.2024 13:59:44

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 _{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)
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)
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

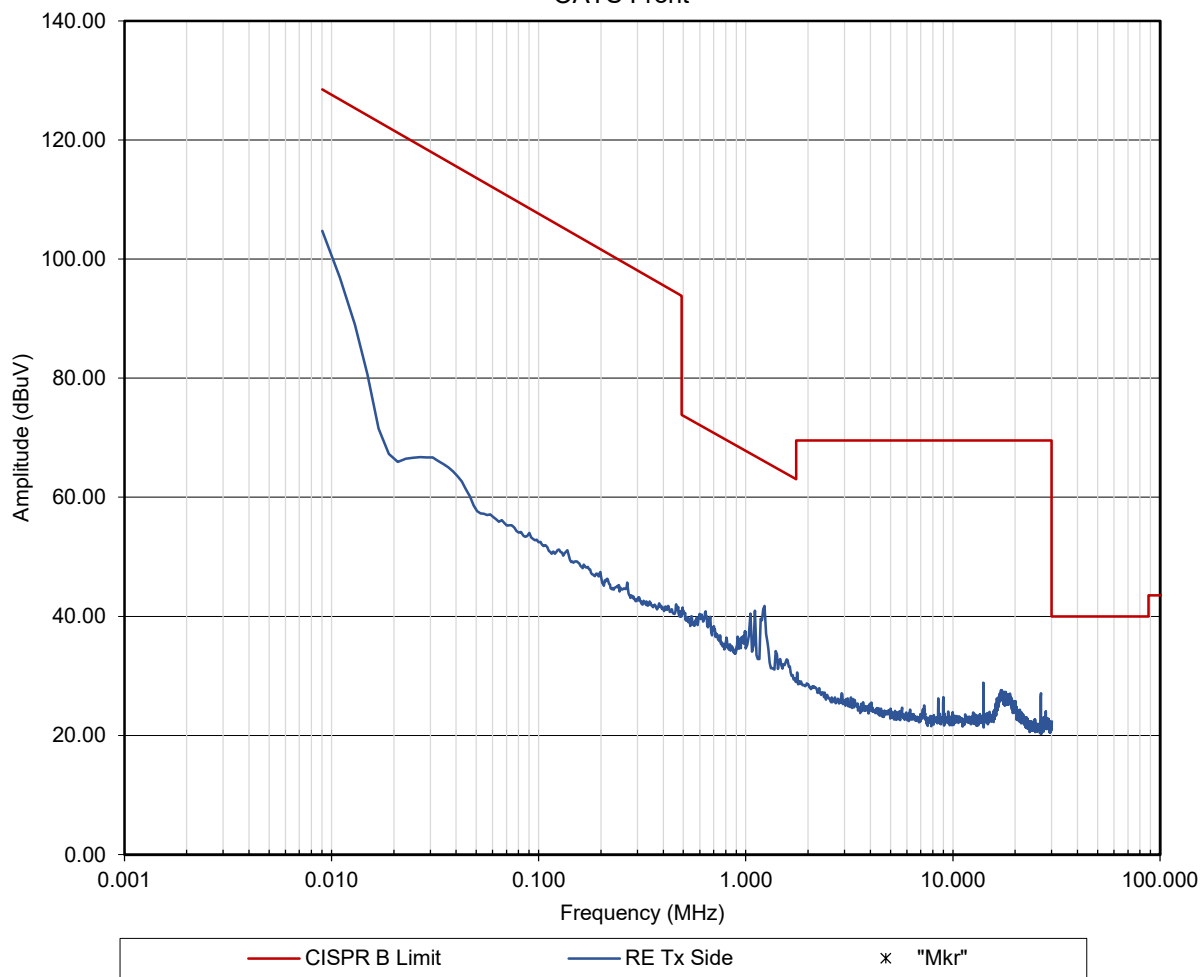
$$E_{\text{Corr}} = E_{\text{Meas}} + ACF^E + L_C - G_A$$

Where ACF^E is the Electric Antenna Correction Factor

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

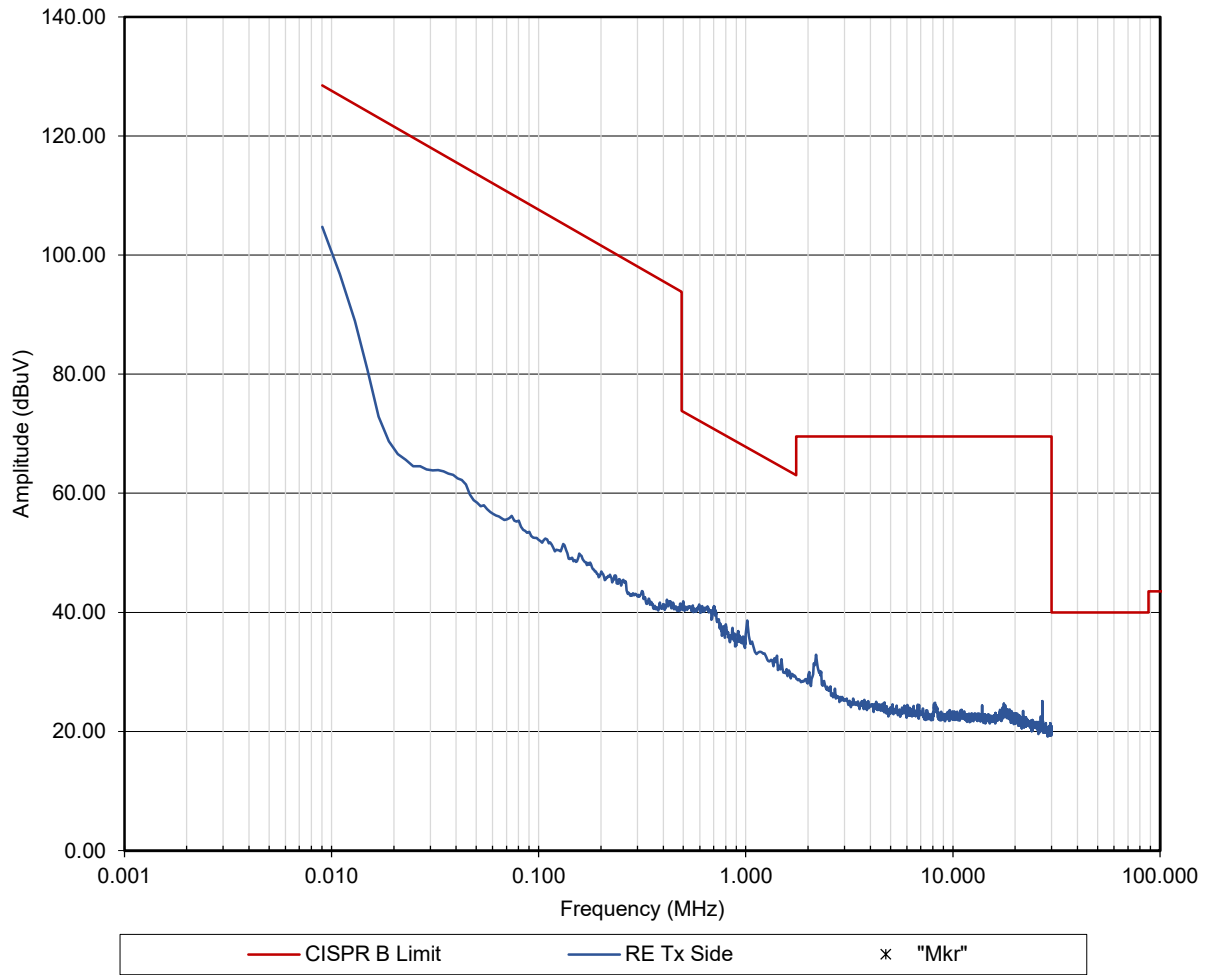
Radiated Tx Emissions:

Radiated Tx Emissions (9kHz - 30MHz)
OATS Front



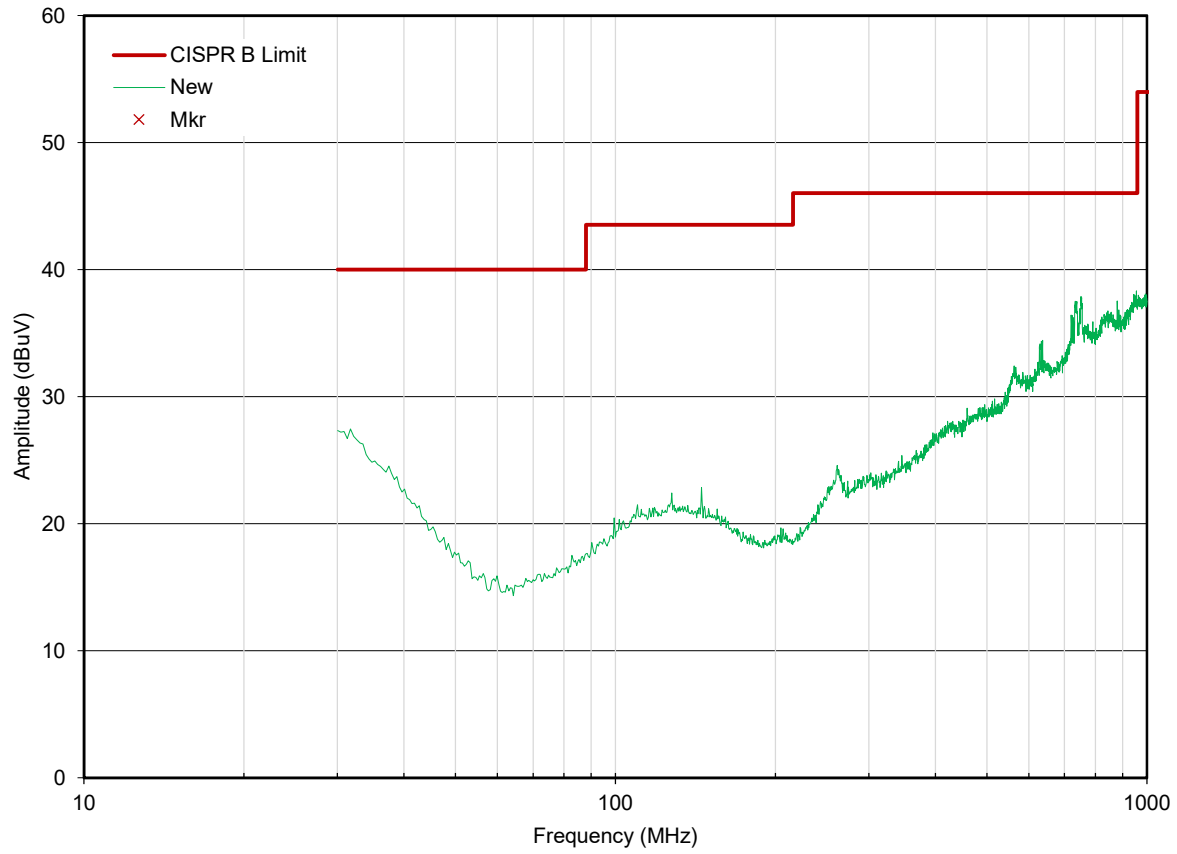
Radiated Tx Emissions:

Radiated Tx Emissions (9kHz - 30MHz)
OATS Side



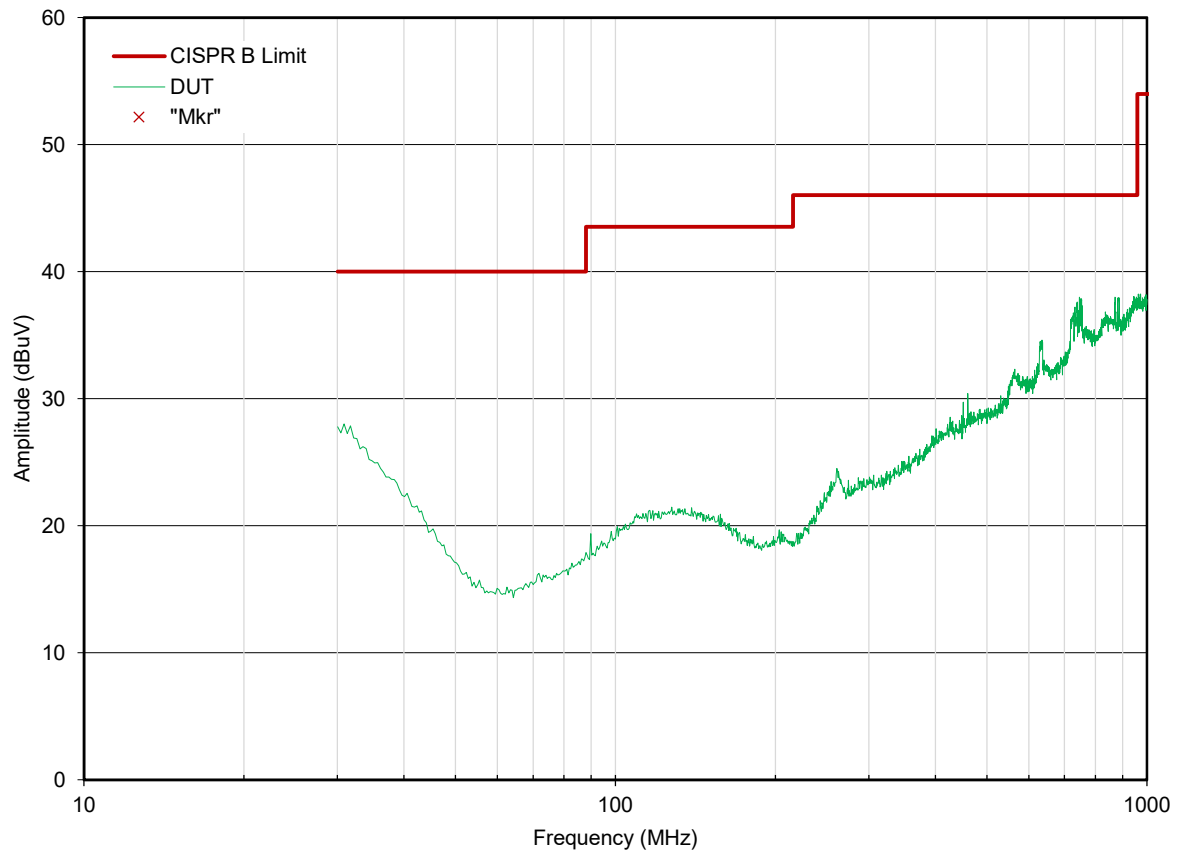
Radiated Tx Emissions:

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 [T2]
VBW 10 MHz 48.19 dBuV
SWT 10 ms 2.44000000 GHz

Ref 80 dBuV

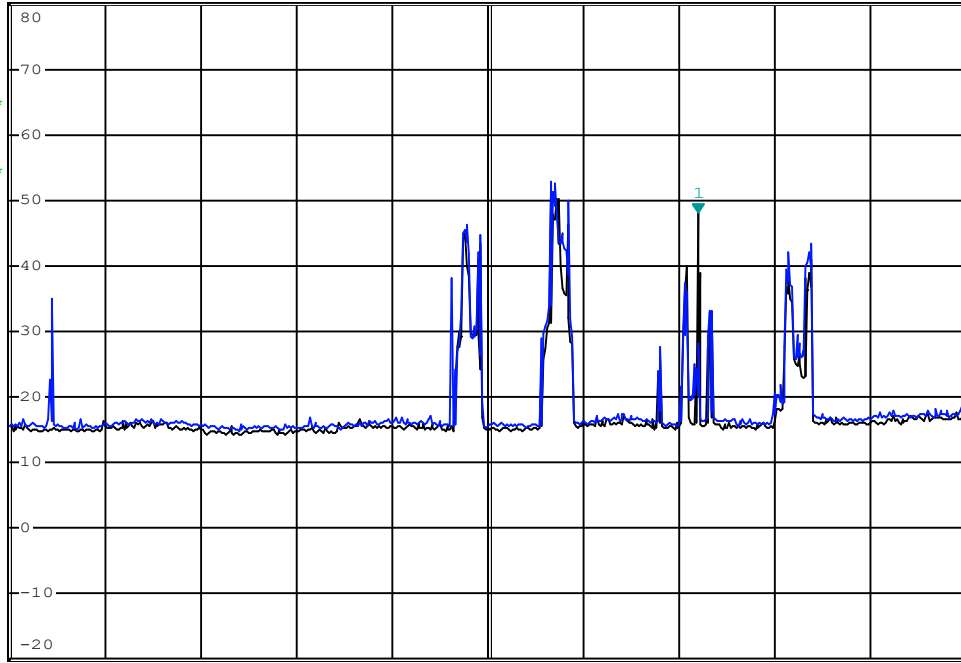
*Att 0 dB

1 RM*

VIEW

2 RM*

VIEW



Date: 17.JUL.2024 10:36:00

Channel: 38

Channel Frequency: 2440 MHz

Mode: BT BR

Modulation: GFSK

Polarization: Horizontal

Measured Channel Power: 48.19 dBuV

Emission Frequency: Fundamental MHz

Radiated Tx Emissions:



*RBW 1 MHz Marker 1 [T2]
VBW 10 MHz 59.32 dBuV
SWT 10 ms 2.440000000 GHz

Ref 80 dBuV

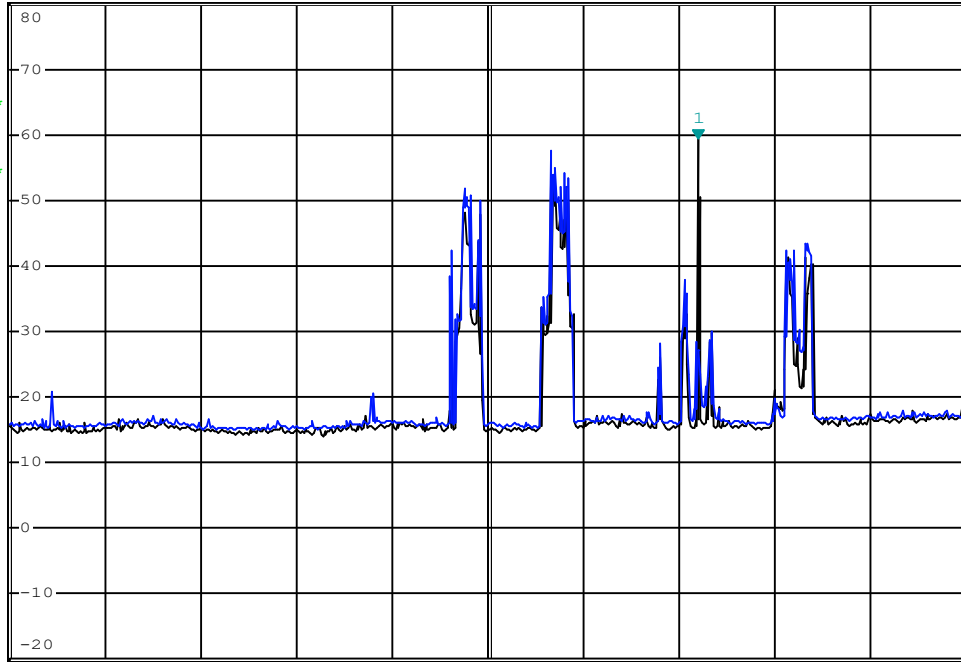
*Att 0 dB

1 RM*

VIEW

2 RM*

VIEW



Date: 17.JUL.2024 10:40:44

Channel:

Channel Frequency: MHz

Mode:

Modulation:

Polarization:

Measured Channel Power: dBuV

Emission Frequency: MHz

Radiated Tx Emissions:

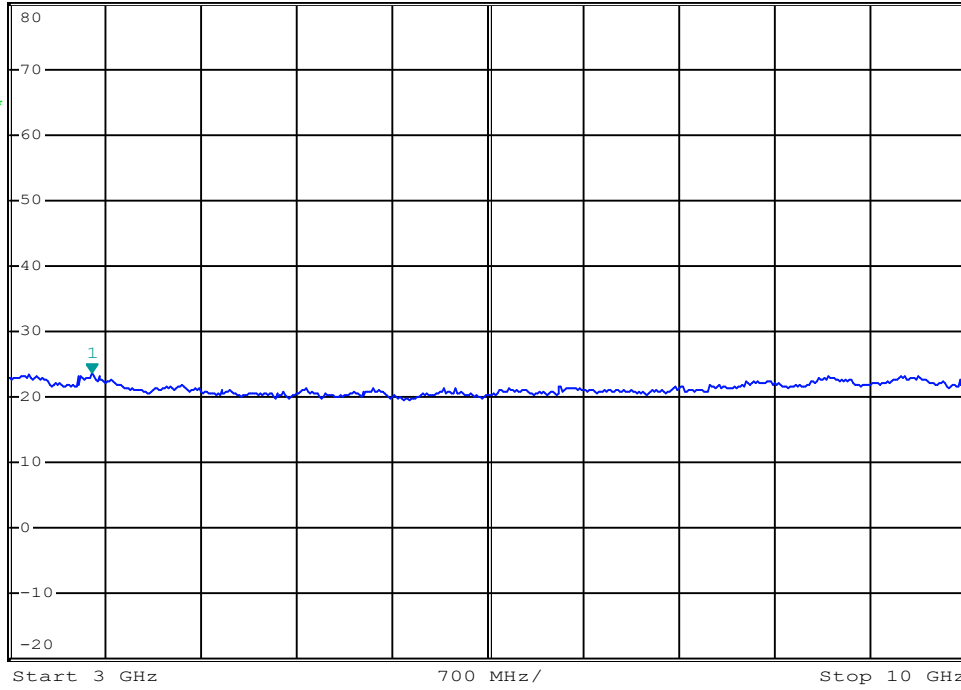


*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 23.74 dBuV
SWT 140 ms 3.602000000 GHz

Ref 80 dBuV

*Att 0 dB

1 RM*
VIEW



Date: 17.JUL.2024 10:41:05

Channel:

Channel Frequency: MHz

Mode:

Modulation:

Polarization:

Measured Emission Power: dBuV

Emission Frequency: MHz

Radiated Tx Emissions:

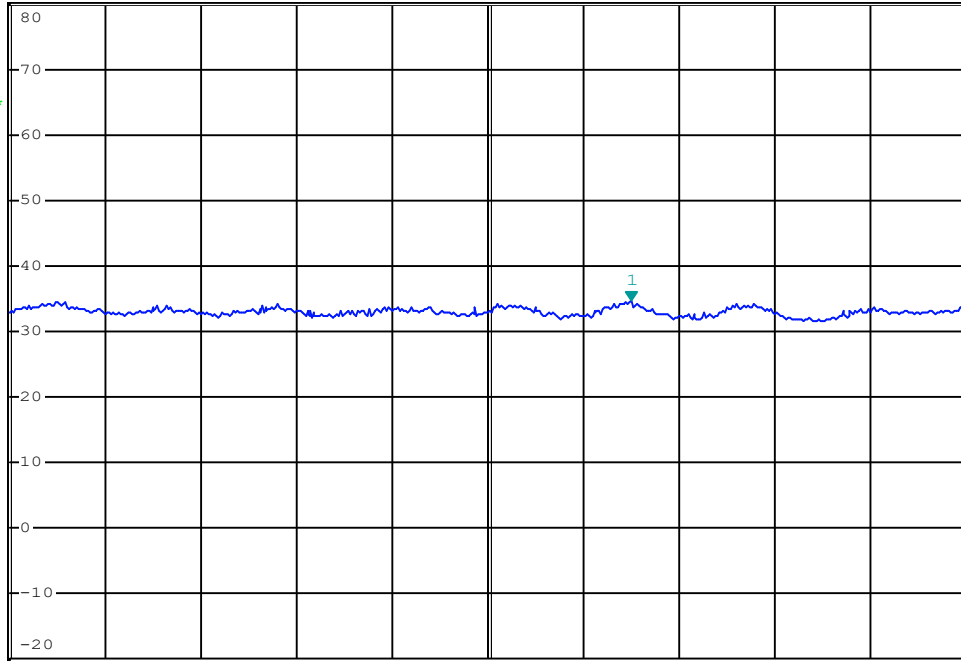


*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 34.70 dBuV
SWT 90 ms 16.460000000 GHz

Ref 80 dBuV

*Att 0 dB

1 RM*
VIEW



Start 13.6 GHz 440 MHz/ Stop 18 GHz

Date: 17.JUL.2024 10:36:47

Channel:

Channel Frequency: MHz

Mode:

Modulation:

Polarization:

Measured Emission Power: dBuV

Emission Frequency: MHz

Radiated Tx Emissions:

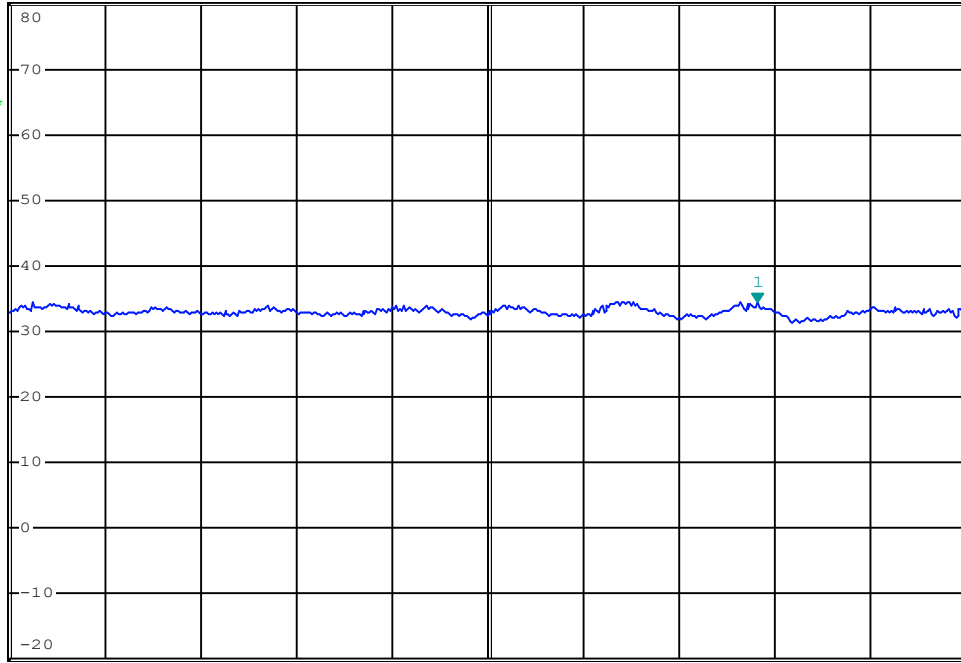


*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 34.52 dBuV
SWT 90 ms 17.040800000 GHz

Ref 80 dBuV

*Att 0 dB

1 RM*
VIEW



Start 13.6 GHz 440 MHz/ Stop 18 GHz

Date: 17.JUL.2024 10:41:43

Channel:

Channel Frequency: MHz

Mode:

Modulation:

Polarization:

Measured Emission Power: dBuV

Emission Frequency: MHz

Radiated Tx Emissions:

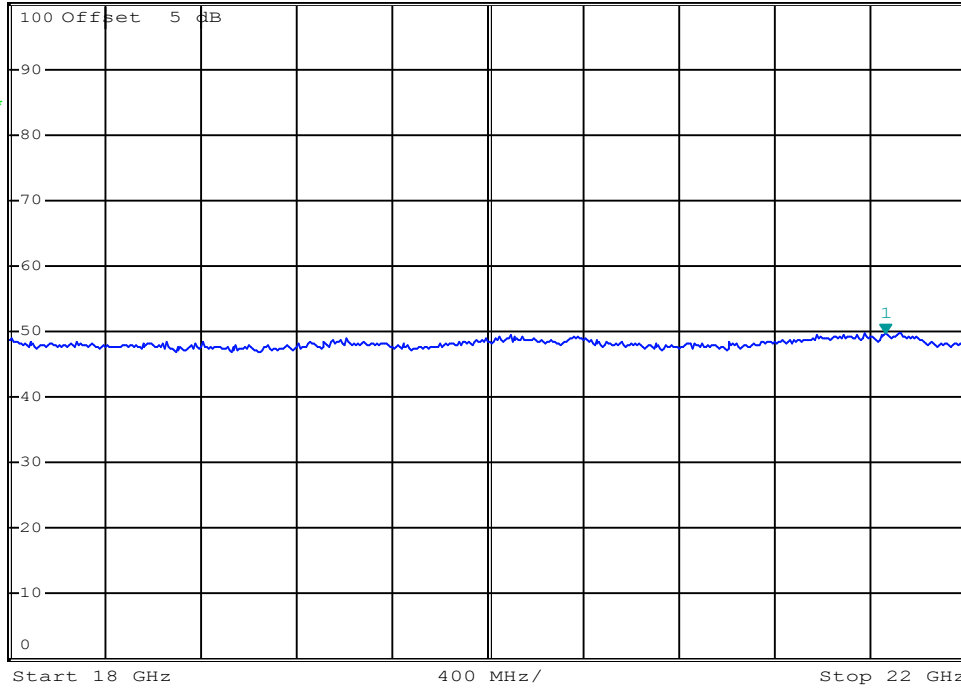


*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 49.83 dBuV
SWT 80 ms 21.664000000 GHz

Ref 100 dBuV

*Att 10 dB

1 RM*
VIEW



Date: 17.JUL.2024 14:15:47

Channel:

Channel Frequency: MHz

Mode:

Modulation:

Polarization:

Measured Emission Power: dBuV

Emission Frequency: MHz

Radiated Tx Emissions:

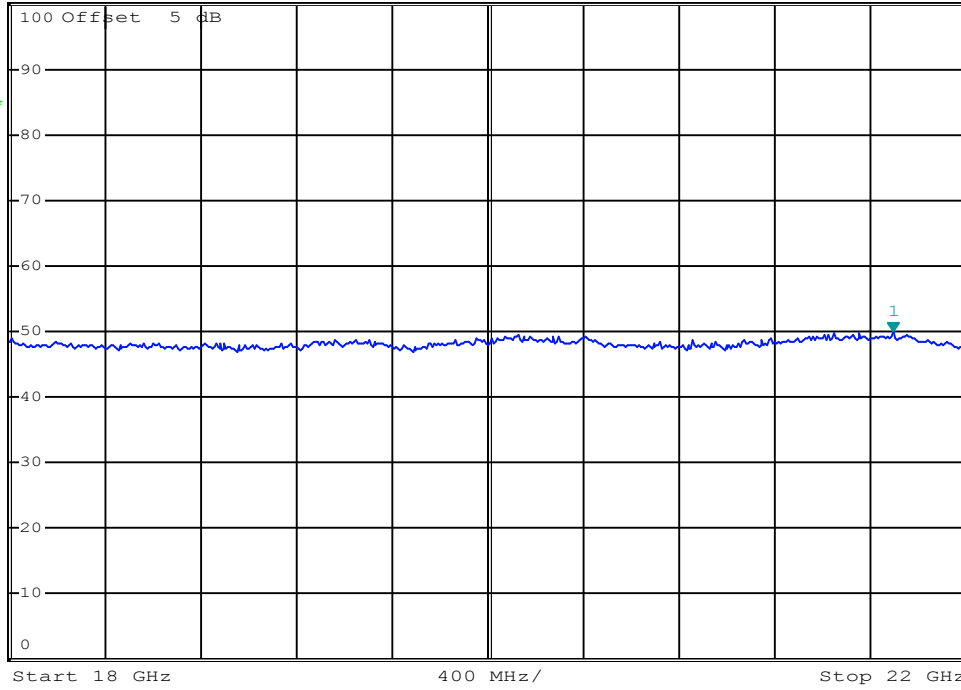


*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 50.01 dBμV
SWT 80 ms 21.696000000 GHz

Ref 100 dBμV

*Att 10 dB

1 RM*
VIEW



Date: 17.JUL.2024 14:16:28

Channel: 38

Channel Frequency: 2440 MHz

Mode: BT BR

Modulation: GFSK

Polarization: Vertical

Measured Emission Power: ND dBuV

Emission Frequency: ND MHz

Radiated Tx Emissions:

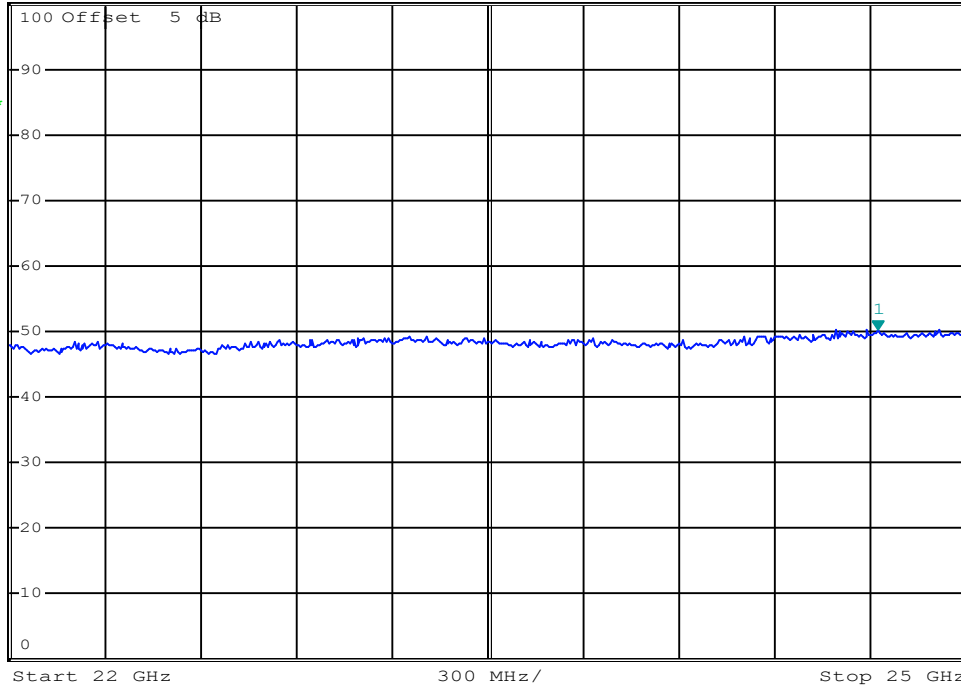


*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 50.36 dBμV
SWT 60 ms 24.724000000 GHz

Ref 100 dBμV

*Att 10 dB

1 RM*
VIEW



Date: 17.JUL.2024 14:16:00

Channel:

Channel Frequency: MHz

Mode:

Modulation:

Polarization:

Measured Emission Power: dBuV

Emission Frequency: MHz

Radiated Tx Emissions:

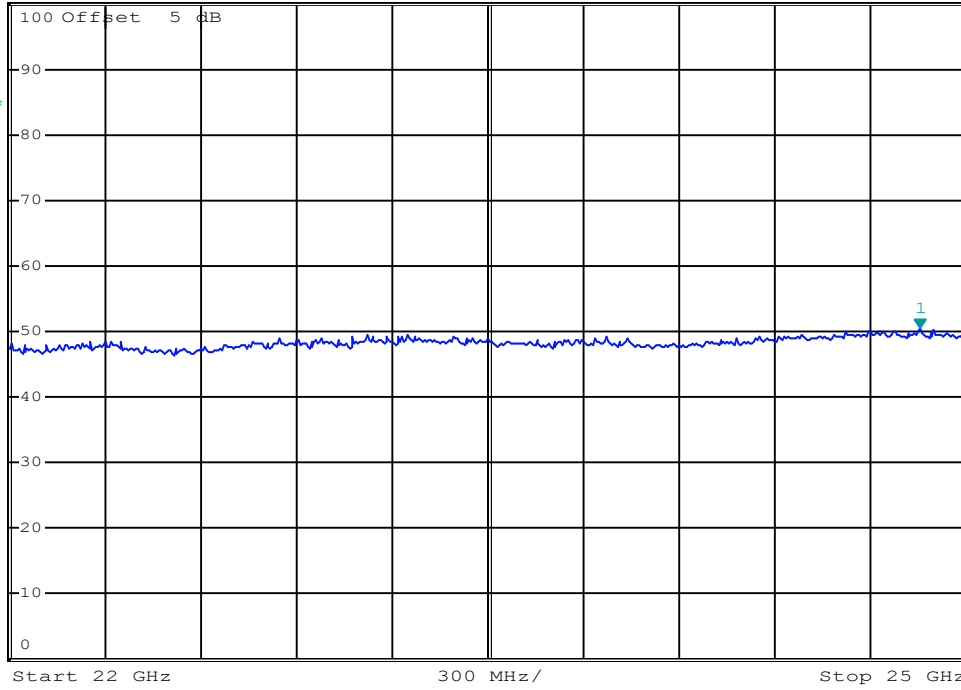


*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 50.40 dBuV
SWT 60 ms 24.856000000 GHz

Ref 100 dBuV

*Att 10 dB

1 RM*
VIEW



Date: 17.JUL.2024 14:16:46

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 _{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)
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)
Results:									Complies	

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

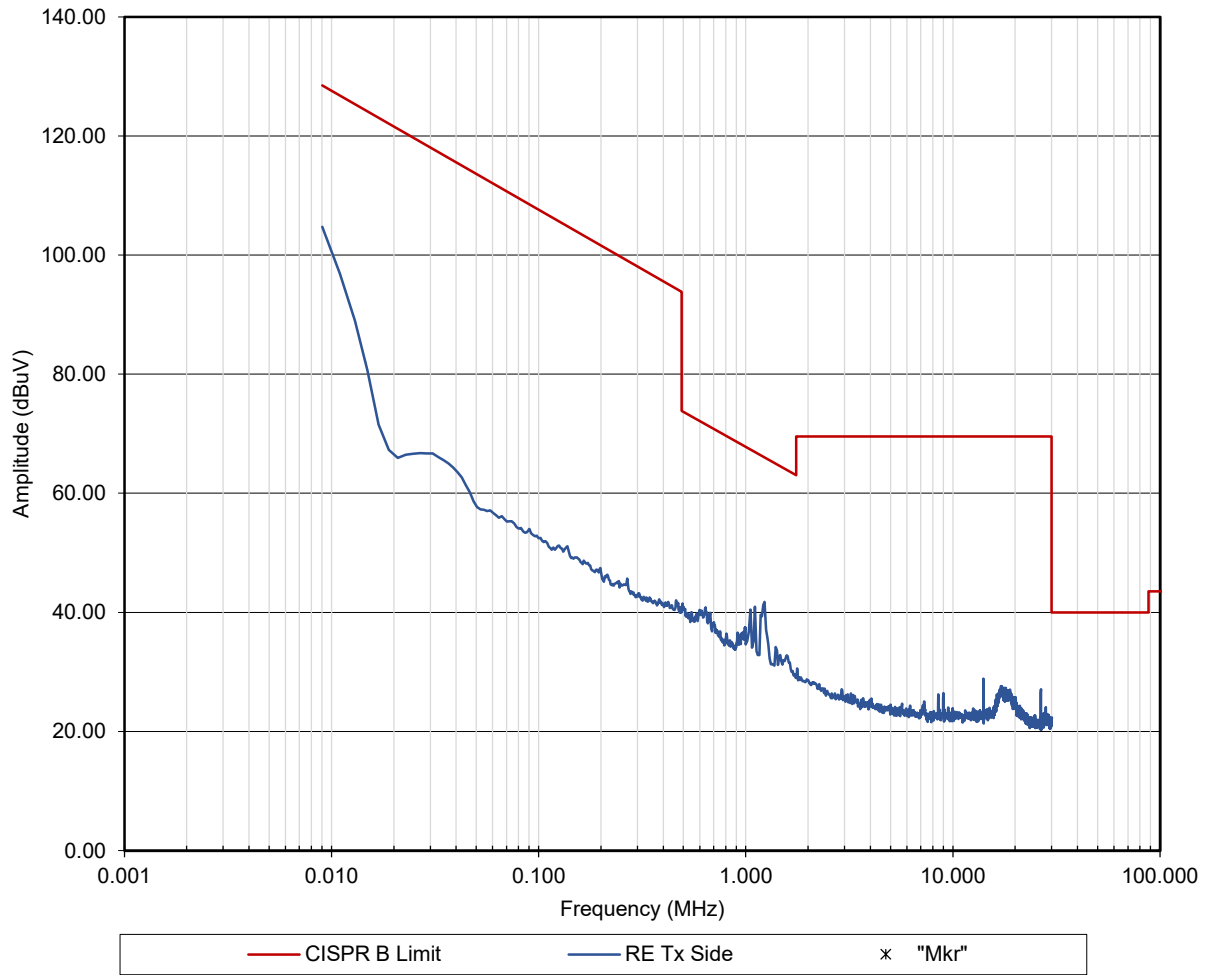
(3) External Amplifier not used

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

Where ACF^E is the Electric Antenna Correction Factor

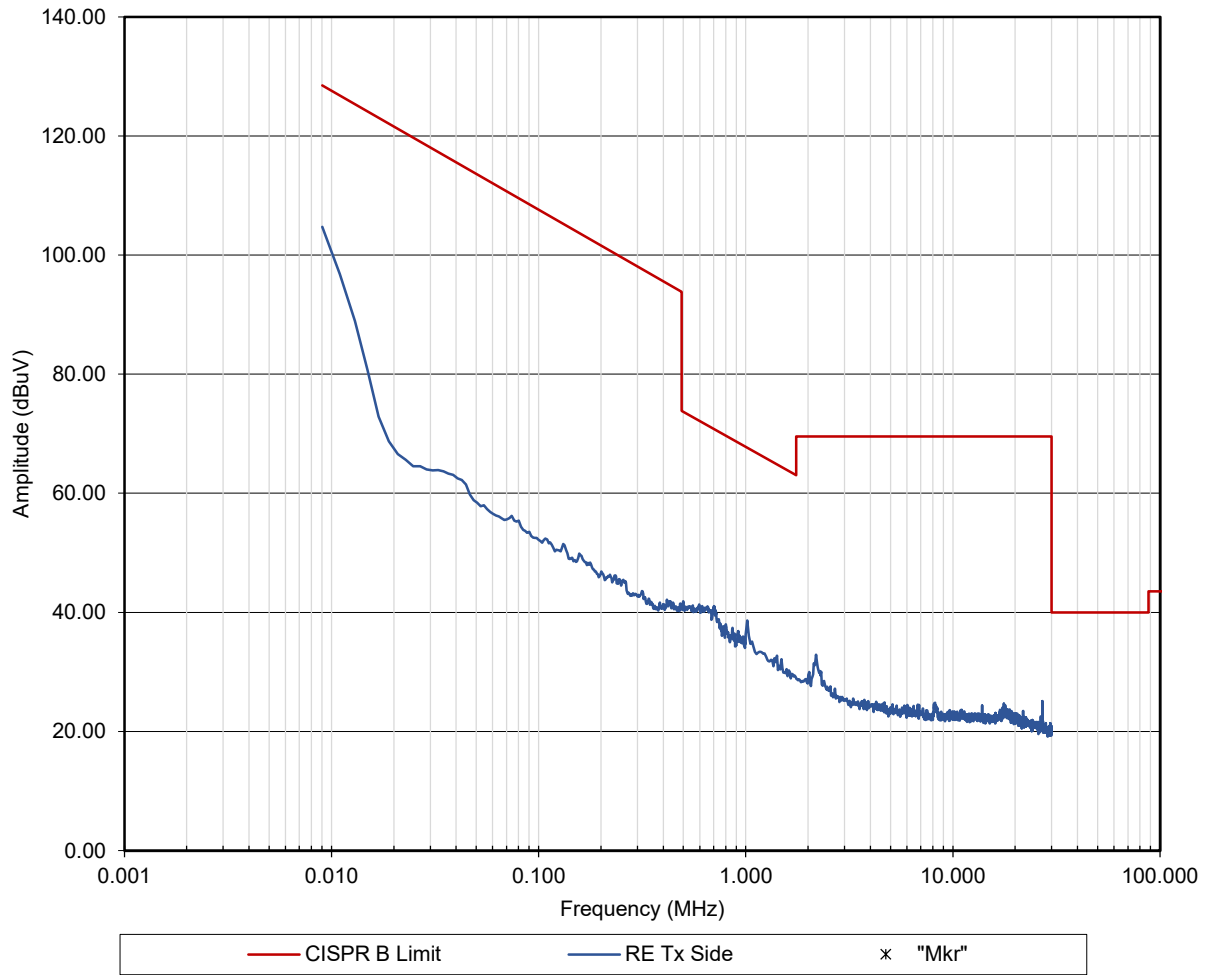
Radiated Rx Emissions:

Radiated Rx Emissions (9kHz - 30MHz)
OATS Front



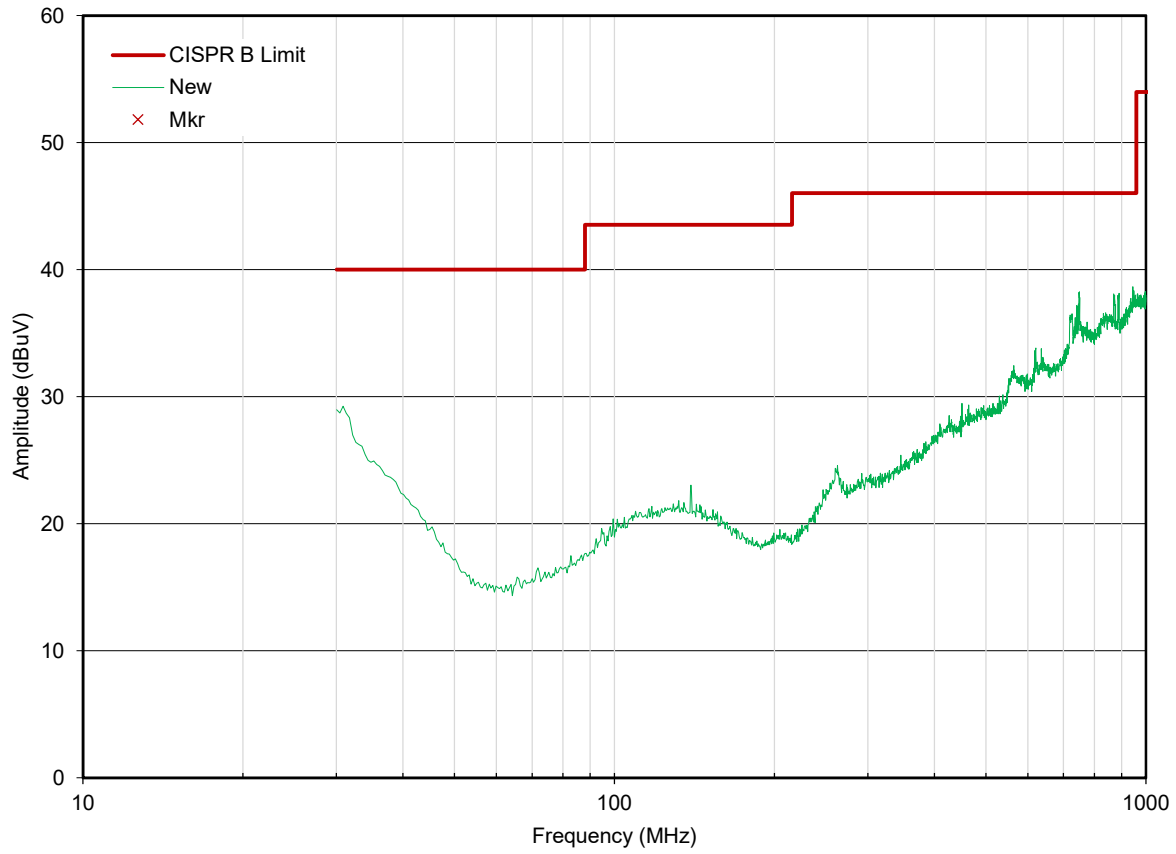
Radiated Rx Emissions:

Radiated Rx Emissions (9kHz - 30MHz)
OATS Side



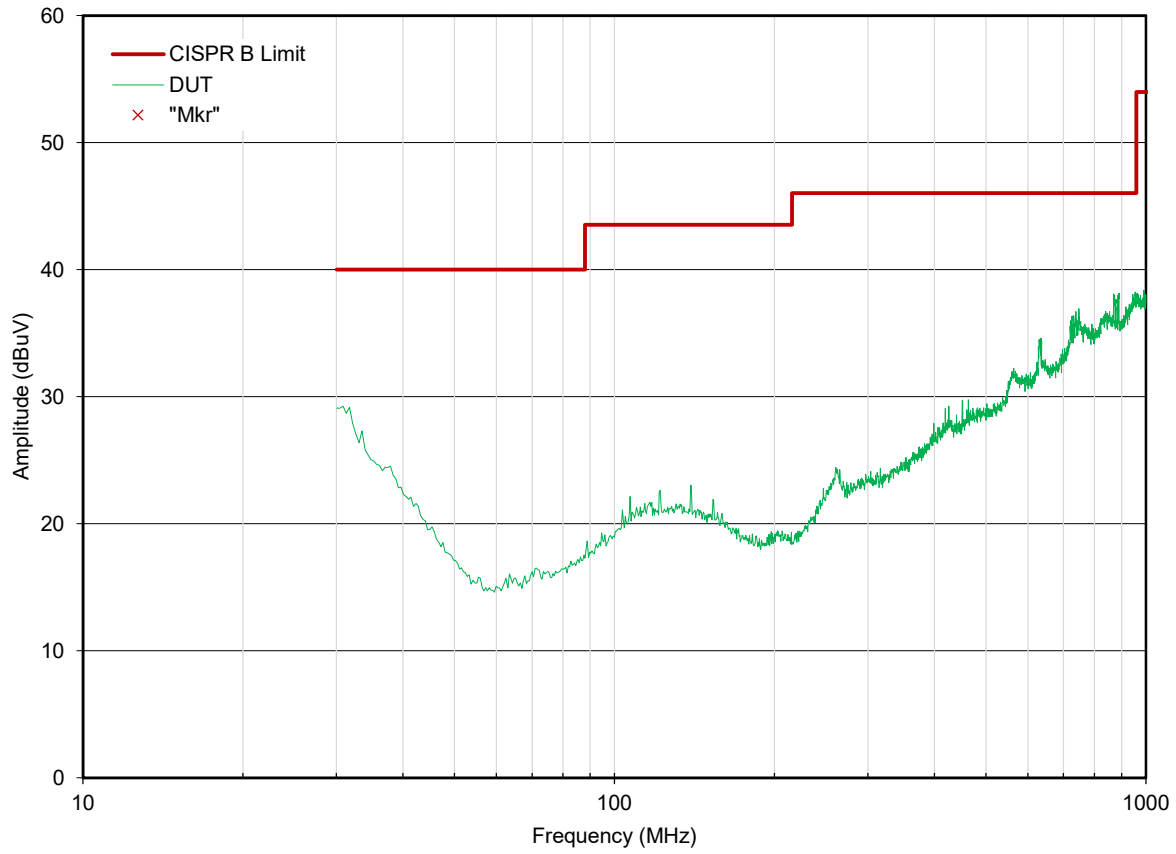
Radiated Tx Emissions:

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



Radiated Tx Emissions:

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

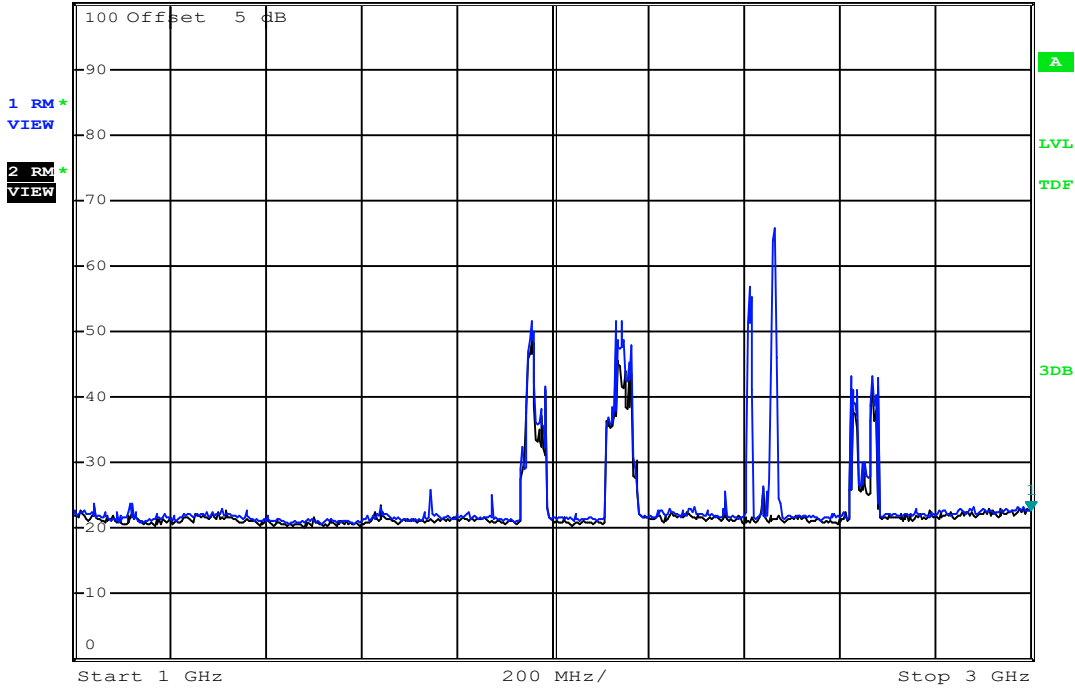


Radiated Rx Emissions:



*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 22.63 dBµV
SWT 10 ms 3.000000000 GHz

Ref 100 dBµV *Att 0 dB



Date: 17.JUL.2024 15:00:05

Channel:

Channel Frequency: MHz

Mode:

Modulation:

Polarization:

Measured Channel Power(PK): dBm

Emission Frequency: MHz

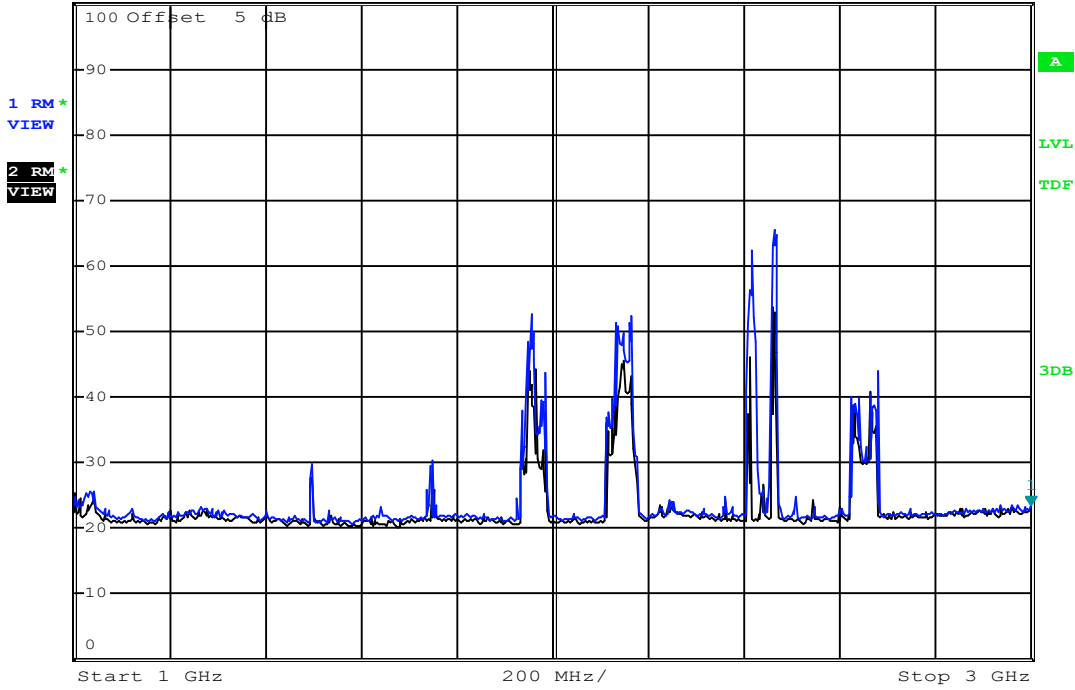
Measured Channel Power(AV): dBm

Radiated Rx Emissions:



*RBW 1 MHz Marker 1 [T1]
 VBW 10 MHz 23.45 dBμV
 SWT 10 ms 3.000000000 GHz

Ref 100 dBμV *Att 0 dB



Date: 17.JUL.2024 15:00:56

Channel:

Channel Frequency: MHz

Mode:

Modulation:

Polarization:

Measured Channel Power(PK): dBm

Emission Frequency: MHz

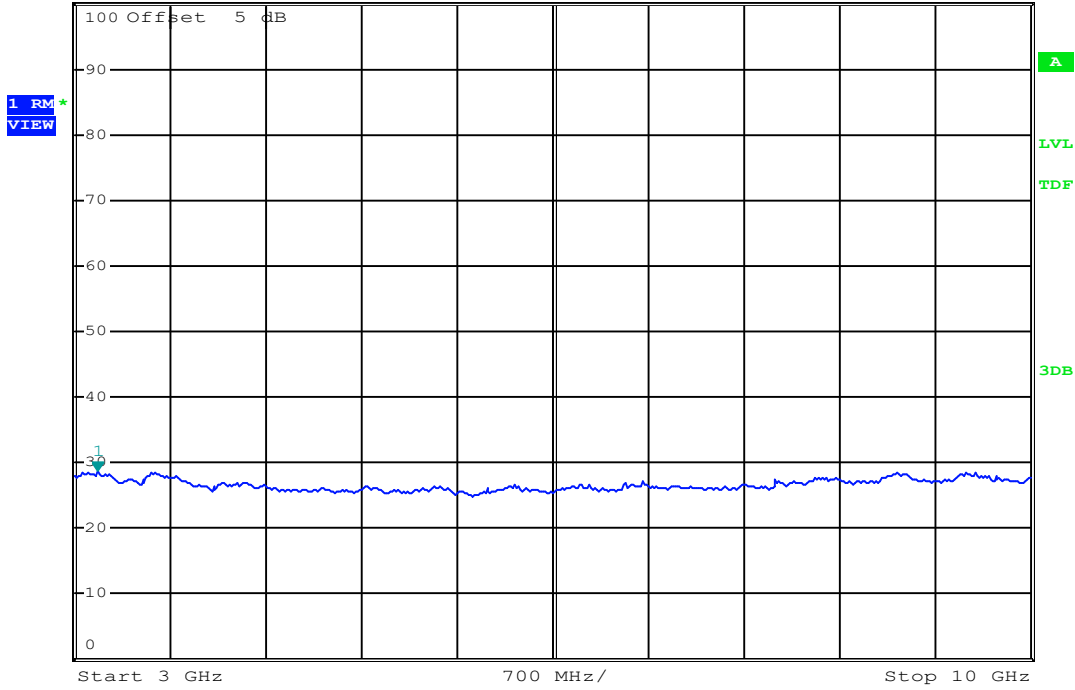
Measured Channel Power(AV): dBm

Radiated Rx Emissions:



*RBW 1 MHz Marker 1 [T1]
 VBW 10 MHz 28.67 dBμV
 SWT 140 ms 3.16800000 GHz

Ref 100 dBμV *Att 0 dB



Date: 17.JUL.2024 15:01:46

Channel:

Channel Frequency: MHz

Mode:

Modulation:

Polarization:

Measured Channel Power(PK): dBm

Emission Frequency: MHz

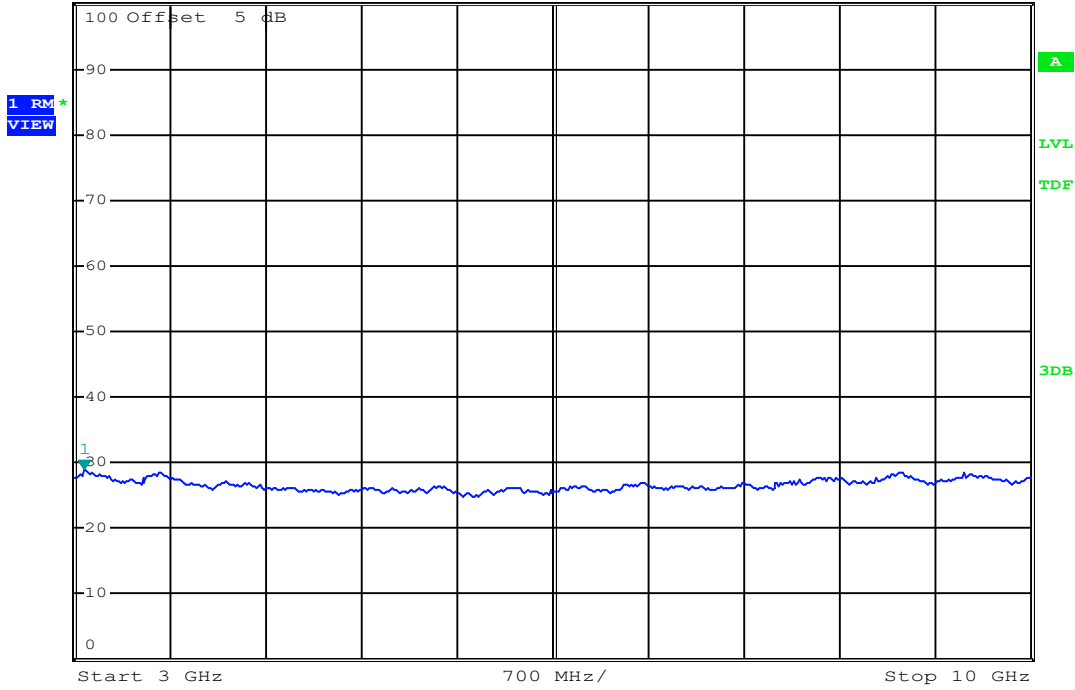
Measured Channel Power(AV): dBm

Radiated Rx Emissions:



*RBW 1 MHz Marker 1 [T1]
 VBW 10 MHz 28.96 dBμV
 SWT 140 ms 3.070000000 GHz

Ref 100 dBμV *Att 0 dB



Date: 17.JUL.2024 15:16:10

Channel:

Channel Frequency: MHz

Mode:

Modulation:

Polarization:

Measured Channel Power(PK): dBm

Emission Frequency: MHz

Measured Channel Power(AV): dBm

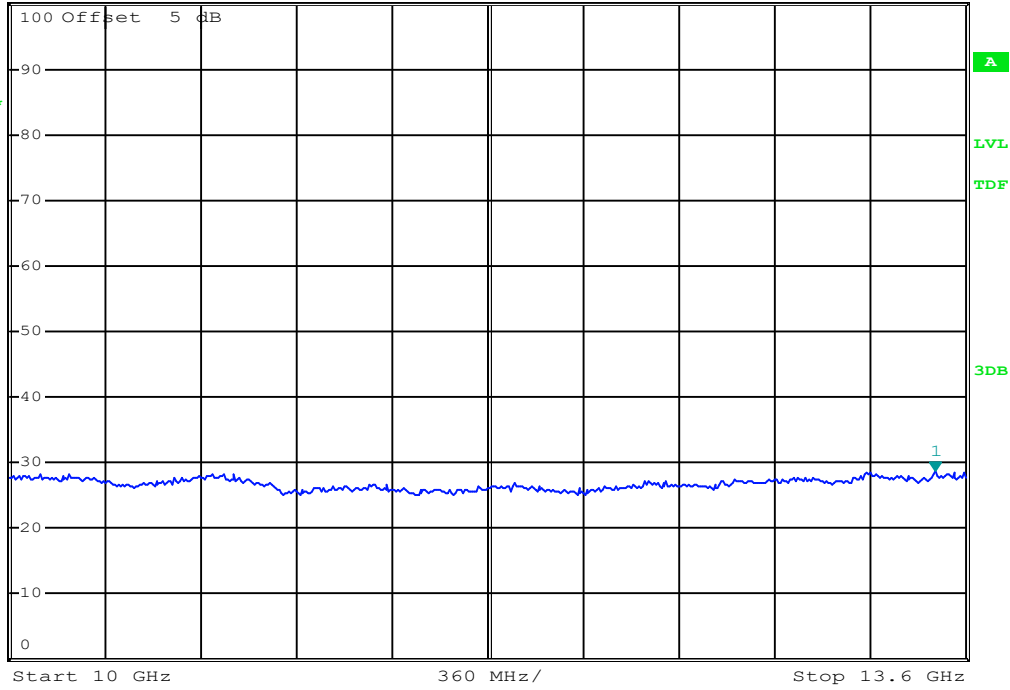
Radiated Rx Emissions:



*RBW 1 MHz Marker 1 [T1]
 VBW 10 MHz 28.62 dBμV
 SWT 75 ms 13.484800000 GHz

Ref 100 dBμV *Att 0 dB

1 RM*
 VIEW



Date: 17.JUL.2024 15:02:01

Channel:

Channel Frequency: MHz

Mode:

Modulation:

Polarization:

Measured Channel Power(PK): dBm

Emission Frequency: MHz

Measured Channel Power(AV): dBm

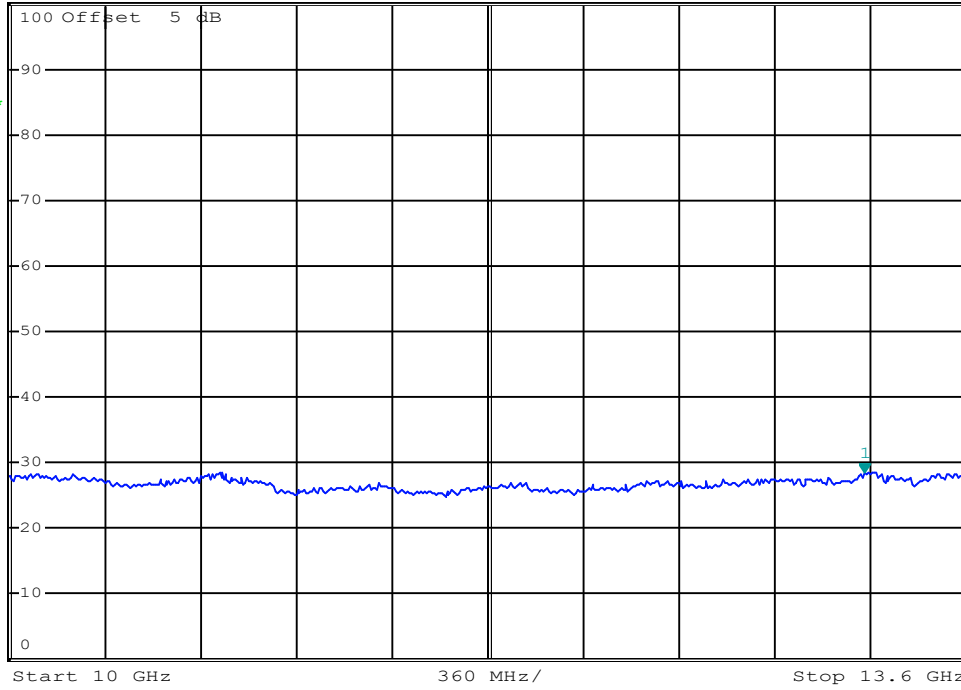
Radiated Rx Emissions:



*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 28.61 dBμV
SWT 75 ms 13.218400000 GHz

Ref 100 dBμV *Att 0 dB

1 RM*
VIEW



Date: 17.JUL.2024 15:16:24

Channel:

Channel Frequency: MHz

Mode:

Modulation:

Polarization:

Measured Channel Power(PK): dBm

Emission Frequency: MHz

Measured Channel Power(AV): dBm

Radiated Rx Emissions:

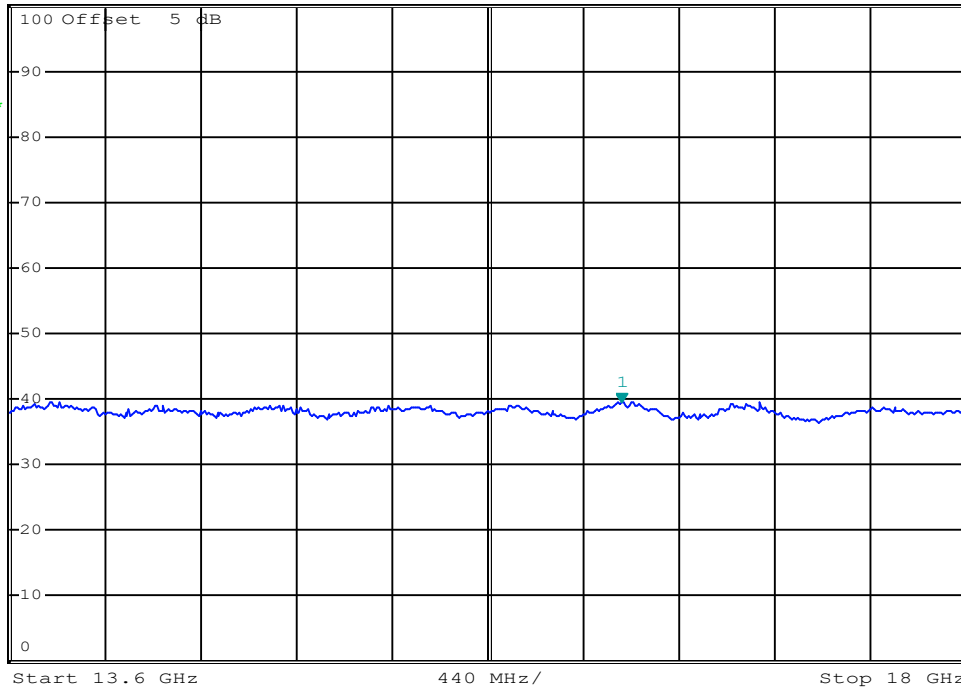


*RBW 1 MHz Marker 1 [T1]
 VBW 10 MHz 39.58 dBμV
 SWT 90 ms 16.416000000 GHz

Ref 100 dBμV

*Att 0 dB

1 RM*
 VIEW



Date: 17.JUL.2024 15:02:25

Channel:

Channel Frequency: MHz

Mode:

Modulation:

Polarization:

Measured Channel Power(PK): dBm

Emission Frequency: MHz

Measured Channel Power(AV): dBm

Radiated Rx Emissions:

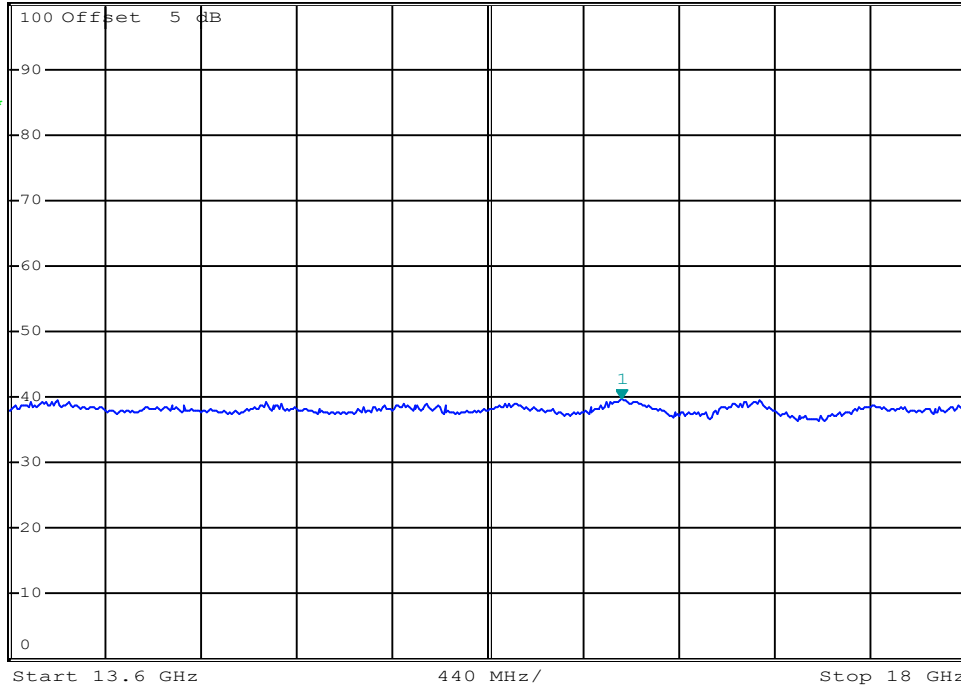


*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 39.74 dBμV
SWT 90 ms 16.416000000 GHz

Ref 100 dBμV

*Att 0 dB

1 RM*
VIEW



Date: 17.JUL.2024 15:16:41

Channel:

Channel Frequency: MHz

Mode:

Modulation:

Polarization:

Measured Channel Power(PK): dBm

Emission Frequency: MHz

Measured Channel Power(AV): dBm

Radiated Rx Emissions:

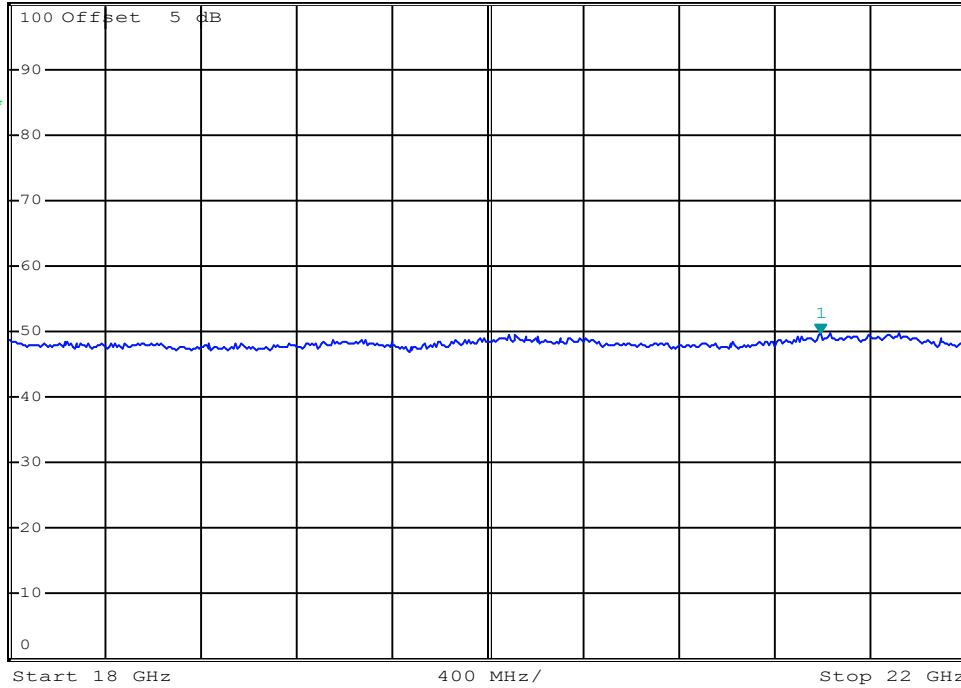


*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 49.68 dBμV
SWT 80 ms 21.392000000 GHz

Ref 100 dBμV

*Att 10 dB

1 RM*
VIEW



Date: 17.JUL.2024 14:31:32

Channel:

Channel Frequency: MHz

Mode:

Modulation:

Polarization:

Measured Channel Power(PK): dBm

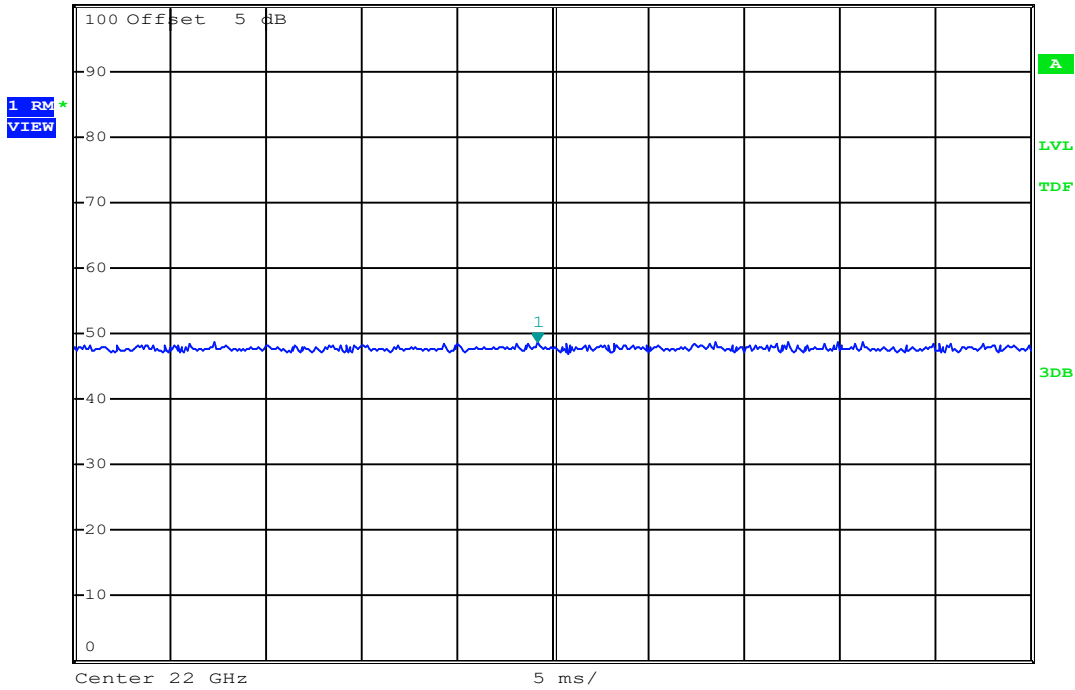
Emission Frequency: MHz

Measured Channel Power(AV): dBm

Radiated Rx Emissions:



Ref 100 dB μ V *Att 10 dB RBW 1 MHz Marker 1 [T1] 48.76 dB μ V
VBW 10 MHz 24.200000 ms
SWT 50 ms



Date: 17.JUL.2024 14:43:24

Channel:

Channel Frequency: MHz

Mode:

Modulation:

Polarization:

Measured Channel Power(PK): dBm

Emission Frequency: MHz

Measured Channel Power(AV): dBm

Radiated Rx Emissions:

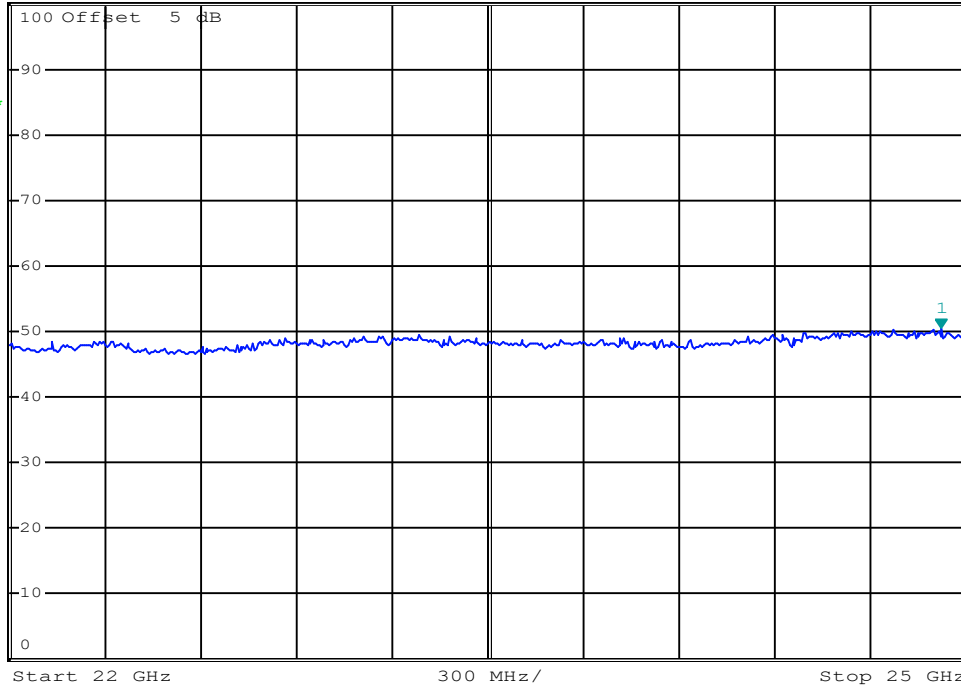


*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 50.40 dBμV
SWT 60 ms 24.922000000 GHz

Ref 100 dBμV

*Att 10 dB

1 RM*
VIEW



Date: 17.JUL.2024 14:31:45

Channel:

Channel Frequency: MHz

Mode:

Modulation:

Polarization:

Measured Channel Power(PK): dBm

Emission Frequency: MHz

Measured Channel Power(AV): dBm

Radiated Rx Emissions:

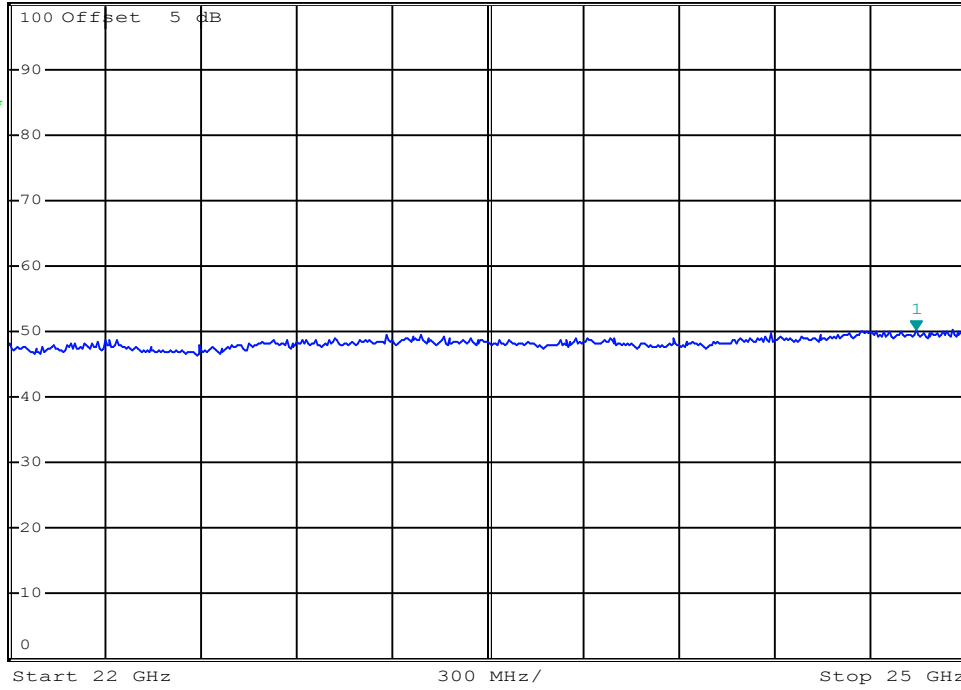


*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 50.23 dBμV
SWT 60 ms 24.844000000 GHz

Ref 100 dBμV

*Att 10 dB

1 RM*
VIEW



Date: 17.JUL.2024 14:43:37

Channel:

Channel Frequency: MHz

Mode:

Modulation:

Polarization:

Measured Channel Power(PK): dBm

Emission Frequency: MHz

Measured Channel Power(AV): dBm