



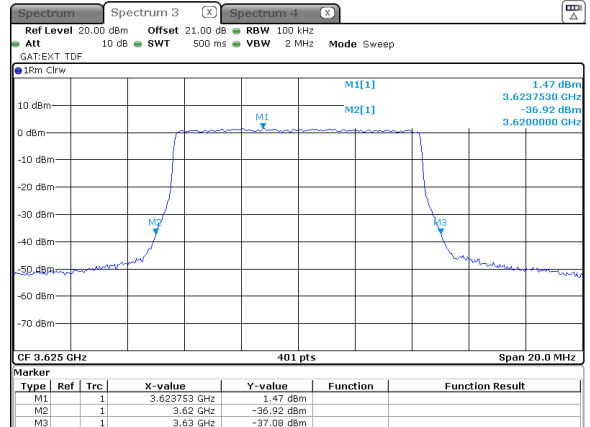
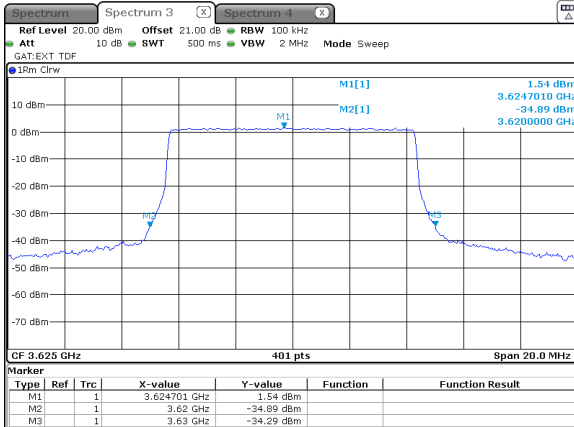
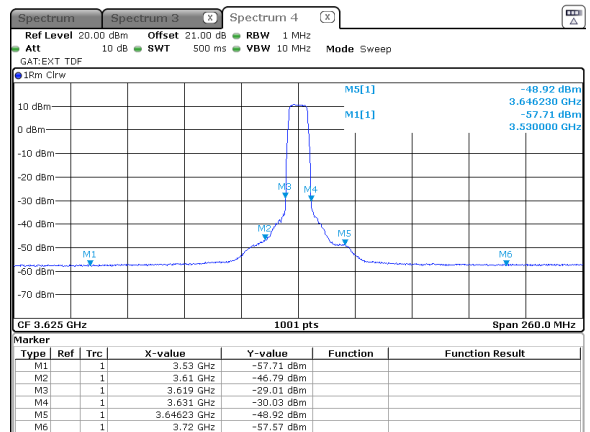
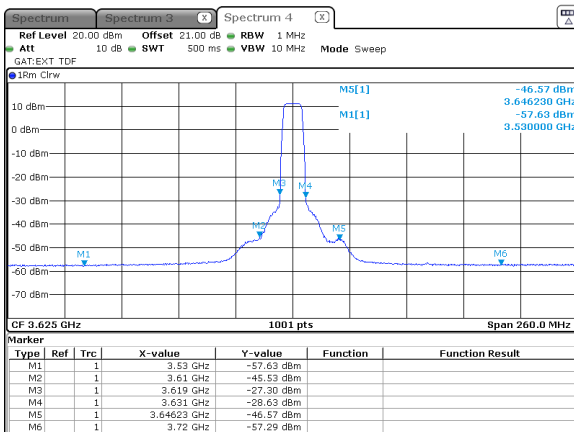
HERMON LABORATORIES

<b>Test specification:</b> Section 96.41(e), Emission mask			
<b>Test procedure:</b> Section 96.41(e)(3)			
<b>Test mode:</b> Compliance		<b>Verdict:</b> PASS	
<b>Date(s):</b> 15-Feb-22			
<b>Temperature:</b> 24.2 °C	<b>Relative Humidity:</b> 49 %	<b>Air Pressure:</b> 1010 hPa	<b>Power:</b> 48 VAC
<b>Remarks:</b>			

Plot 7.4.4 Emission outside the fundamental test results at mid carrier frequency

CHANNEL SPACING:  
ANTENNA CHAIN:  
Modulation: QPSK

10 MHz  
2  
Modulation: 256QAM





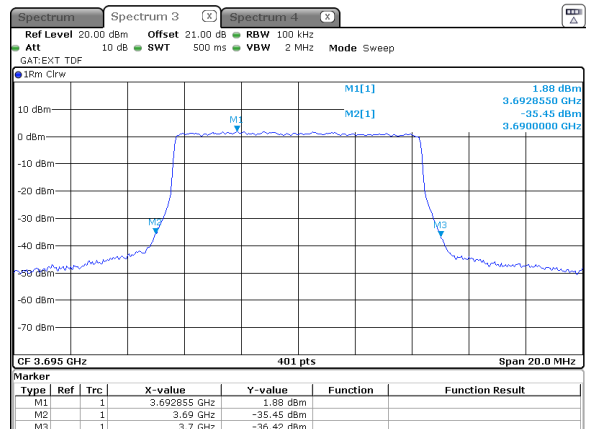
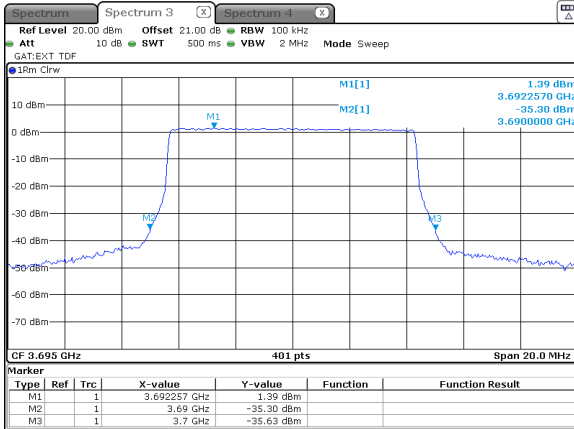
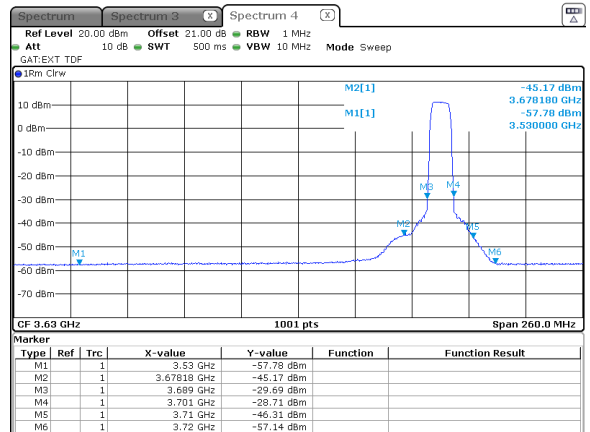
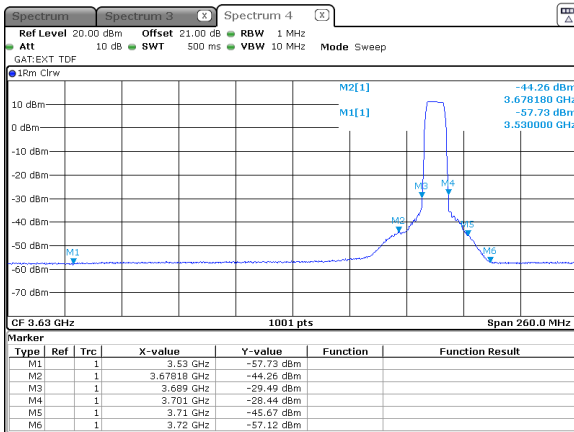
HERMON LABORATORIES

<b>Test specification:</b> Section 96.41(e), Emission mask			
<b>Test procedure:</b> Section 96.41(e)(3)			
<b>Test mode:</b> Compliance		<b>Verdict:</b> PASS	
<b>Date(s):</b> 15-Feb-22			
<b>Temperature:</b> 24.2 °C	<b>Relative Humidity:</b> 49 %	<b>Air Pressure:</b> 1010 hPa	<b>Power:</b> 48 VAC
<b>Remarks:</b>			

Plot 7.4.5 Emission outside the fundamental test results at high carrier frequency

CHANNEL SPACING:  
ANTENNA CHAIN:  
Modulation: QPSK

10 MHz  
1  
Modulation: 256QAM





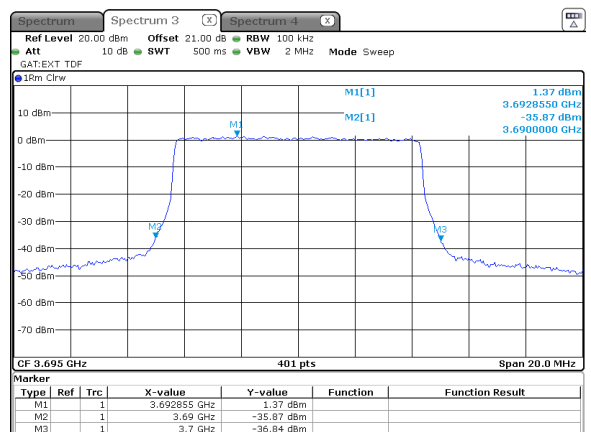
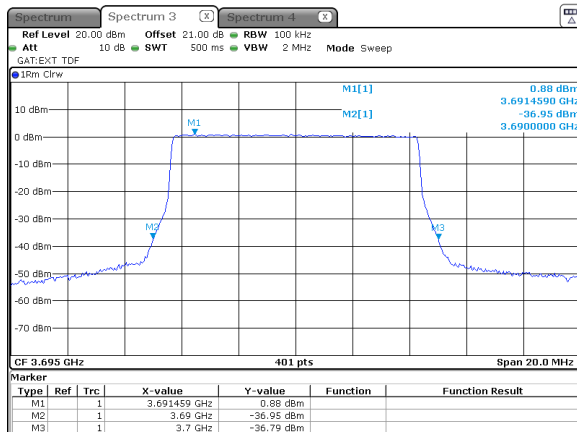
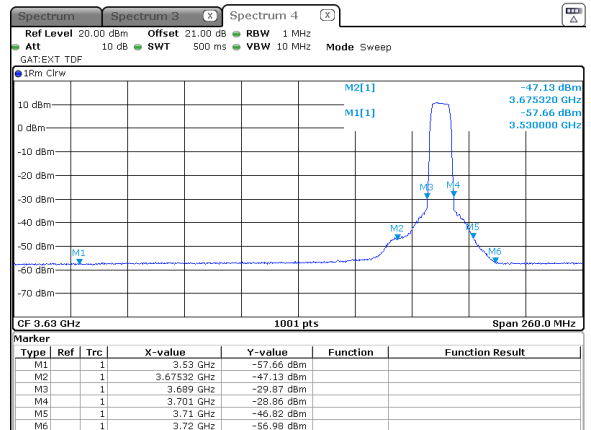
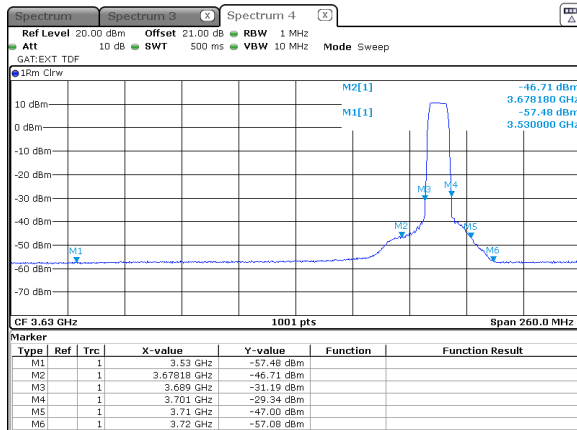
HERMON LABORATORIES

<b>Test specification:</b> Section 96.41(e), Emission mask			
<b>Test procedure:</b> Section 96.41(e)(3)			
<b>Test mode:</b> Compliance		<b>Verdict:</b> PASS	
<b>Date(s):</b> 15-Feb-22			
<b>Temperature:</b> 24.2 °C	<b>Relative Humidity:</b> 49 %	<b>Air Pressure:</b> 1010 hPa	<b>Power:</b> 48 VAC
<b>Remarks:</b>			

Plot 7.4.6 Emission outside the fundamental test results at high carrier frequency

CHANNEL SPACING:  
ANTENNA CHAIN:  
Modulation: QPSK

10 MHz  
2  
Modulation: 256QAM





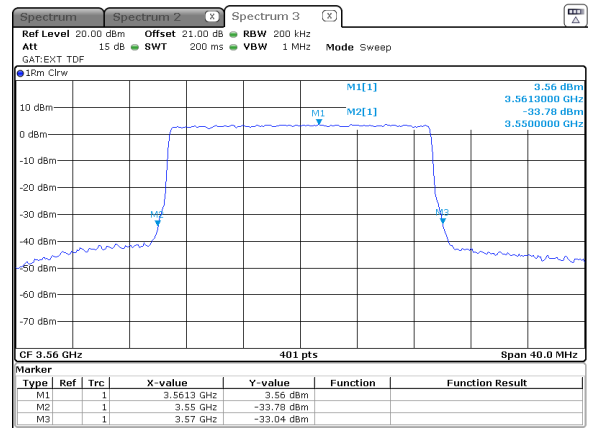
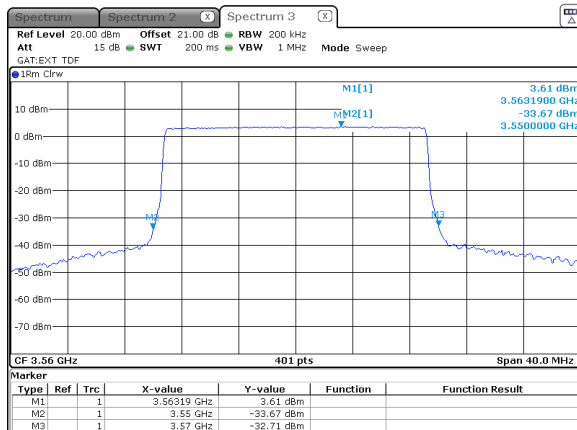
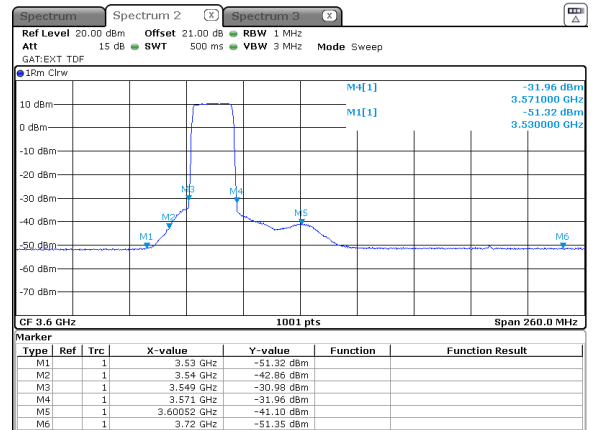
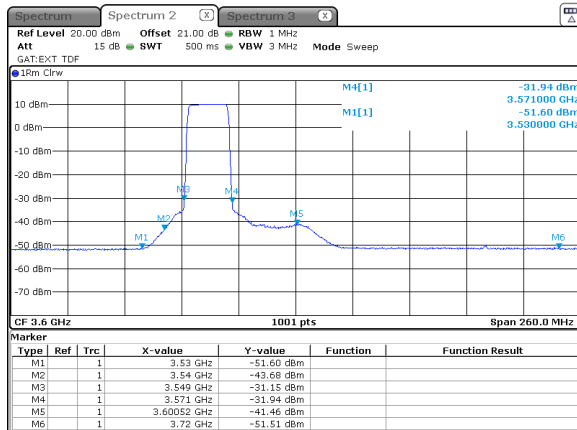
HERMON LABORATORIES

<b>Test specification:</b> Section 96.41(e), Emission mask			
<b>Test procedure:</b> Section 96.41(e)(3)			
<b>Test mode:</b> Compliance		<b>Verdict:</b> PASS	
<b>Date(s):</b> 15-Feb-22			
<b>Temperature:</b> 24.2 °C	<b>Relative Humidity:</b> 49 %	<b>Air Pressure:</b> 1010 hPa	<b>Power:</b> 48 VAC
<b>Remarks:</b>			

Plot 7.4.7 Emission outside the fundamental test results at low carrier frequency

CHANNEL SPACING:  
ANTENNA CHAIN:  
Modulation: QPSK

20 MHz  
1  
Modulation: 256QAM





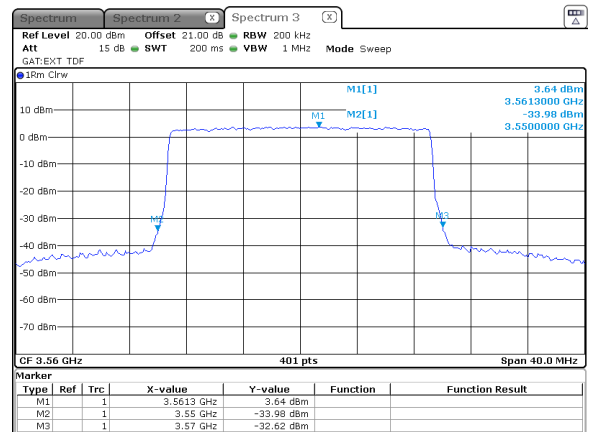
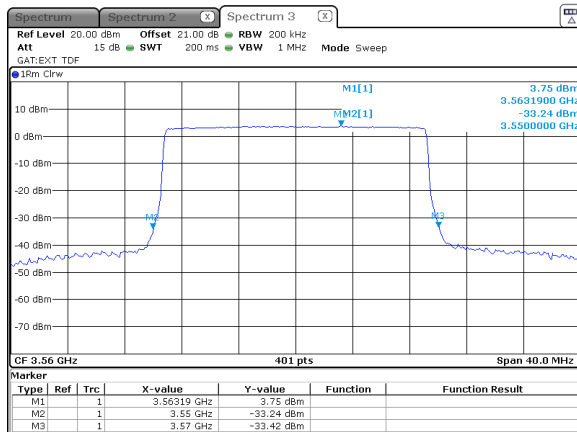
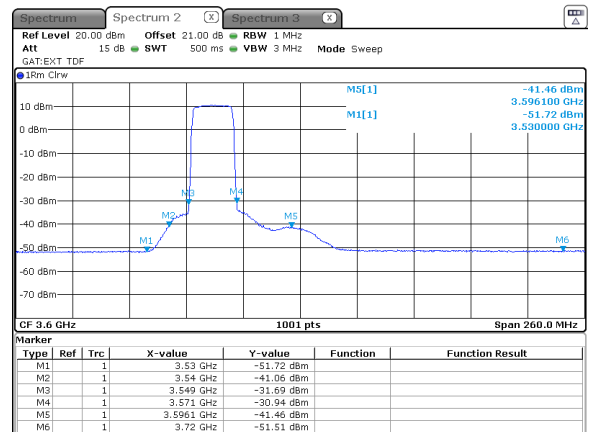
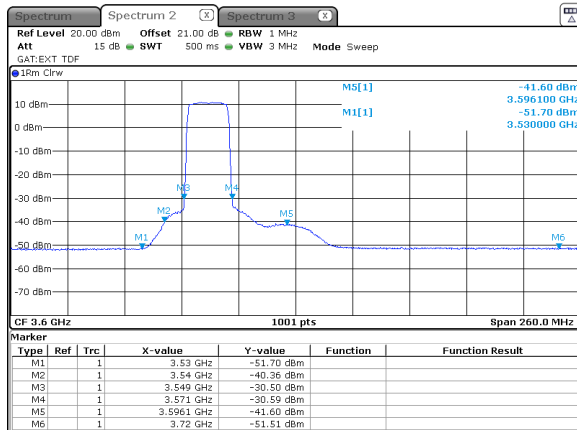
HERMON LABORATORIES

<b>Test specification: Section 96.41(e), Emission mask</b>			
<b>Test procedure: Section 96.41(e)(3)</b>			
<b>Test mode: Compliance</b>		<b>Verdict: PASS</b>	
<b>Date(s): 15-Feb-22</b>			
<b>Temperature: 24.2 °C</b>	<b>Relative Humidity: 49 %</b>	<b>Air Pressure: 1010 hPa</b>	<b>Power: 48 VAC</b>
<b>Remarks:</b>			

Plot 7.4.8 Emission outside the fundamental test results at low carrier frequency

CHANNEL SPACING:  
ANTENNA CHAIN:  
Modulation: QPSK

20 MHz  
2  
Modulation: 256QAM





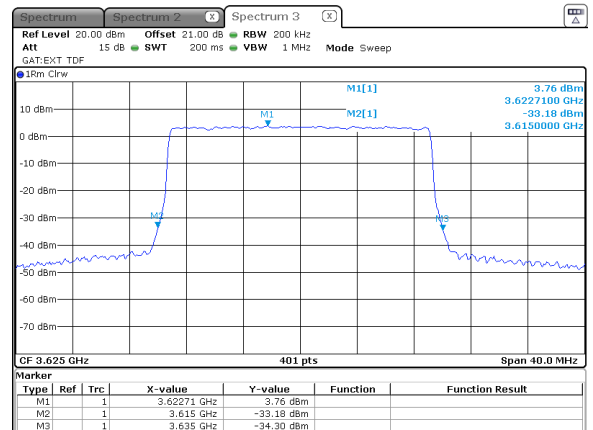
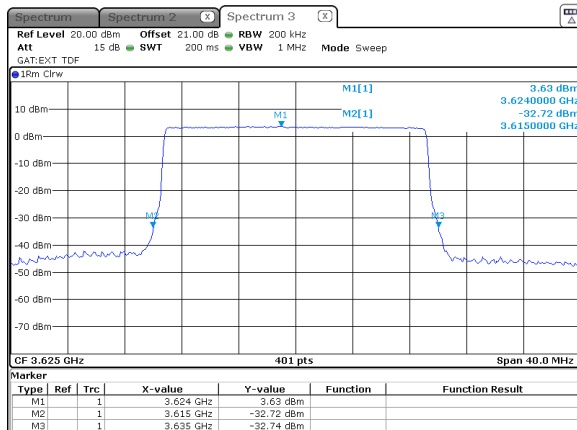
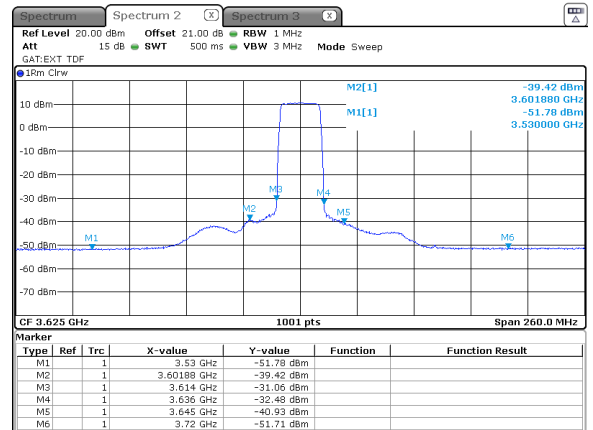
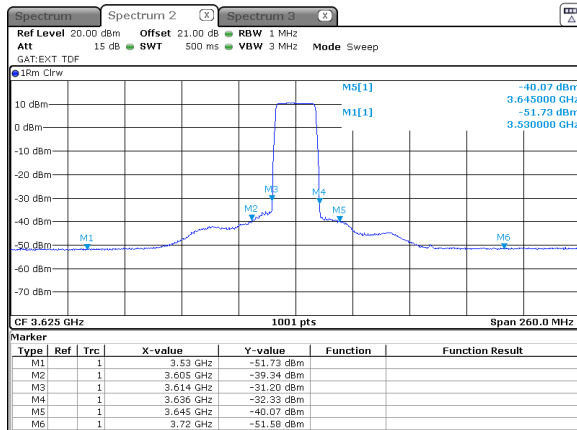
HERMON LABORATORIES

<b>Test specification:</b> Section 96.41(e), Emission mask			
<b>Test procedure:</b> Section 96.41(e)(3)			
<b>Test mode:</b> Compliance		<b>Verdict:</b> PASS	
<b>Date(s):</b> 15-Feb-22			
<b>Temperature:</b> 24.2 °C	<b>Relative Humidity:</b> 49 %	<b>Air Pressure:</b> 1010 hPa	<b>Power:</b> 48 VAC
<b>Remarks:</b>			

Plot 7.4.9 Emission outside the fundamental test results at mid carrier frequency

CHANNEL SPACING:  
ANTENNA CHAIN:  
Modulation: QPSK

20 MHz  
1  
Modulation: 256QAM





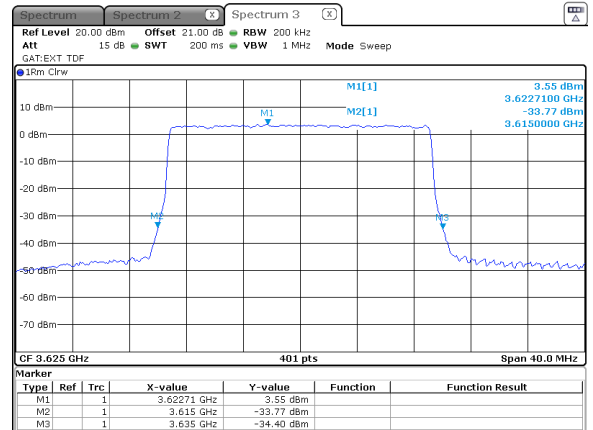
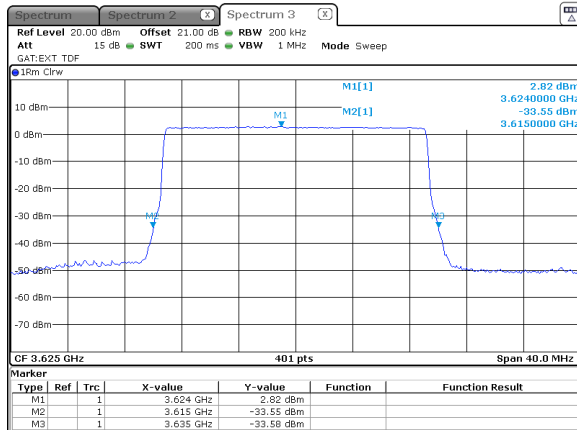
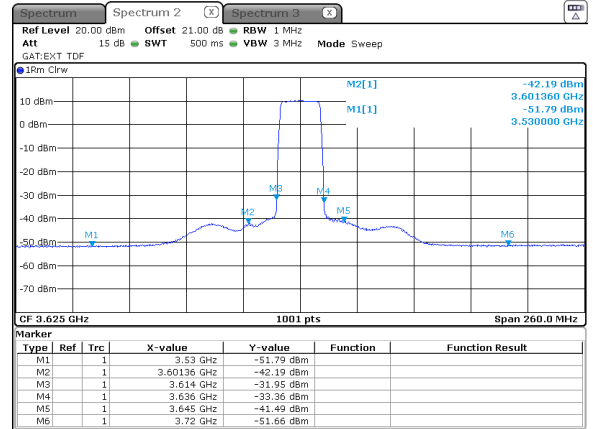
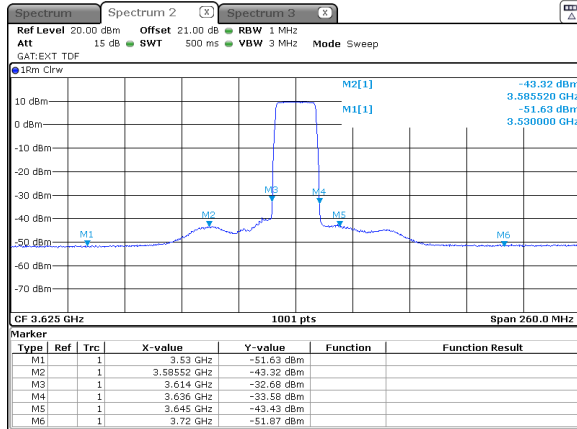
HERMON LABORATORIES

<b>Test specification:</b> Section 96.41(e), Emission mask			
<b>Test procedure:</b> Section 96.41(e)(3)			
<b>Test mode:</b> Compliance		<b>Verdict:</b> PASS	
<b>Date(s):</b> 15-Feb-22			
<b>Temperature:</b> 24.2 °C	<b>Relative Humidity:</b> 49 %	<b>Air Pressure:</b> 1010 hPa	<b>Power:</b> 48 VAC
<b>Remarks:</b>			

Plot 7.4.10 Emission outside the fundamental test results at mid carrier frequency

CHANNEL SPACING:  
ANTENNA CHAIN:  
Modulation: QPSK

20 MHz  
2  
Modulation: 256QAM





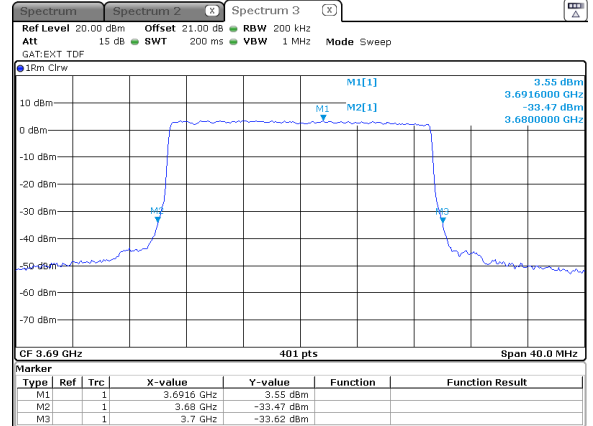
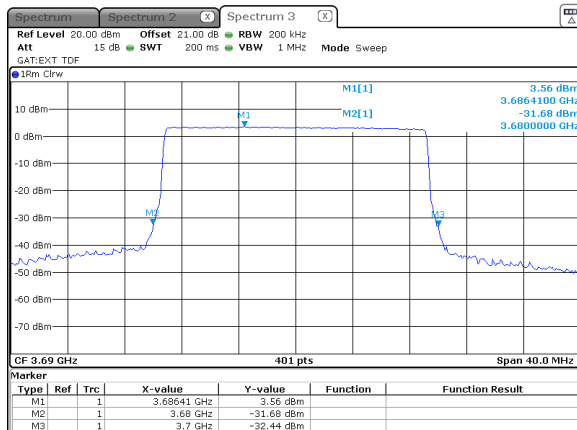
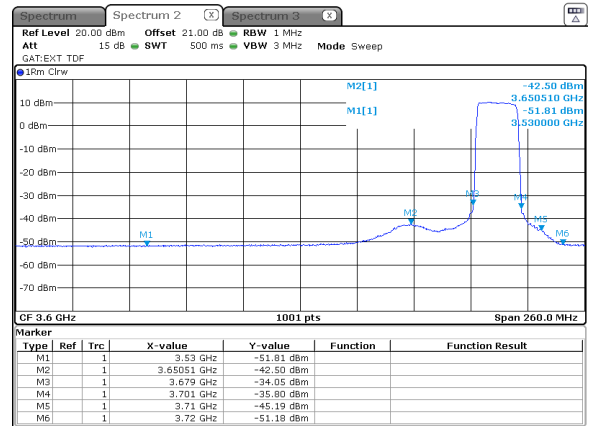
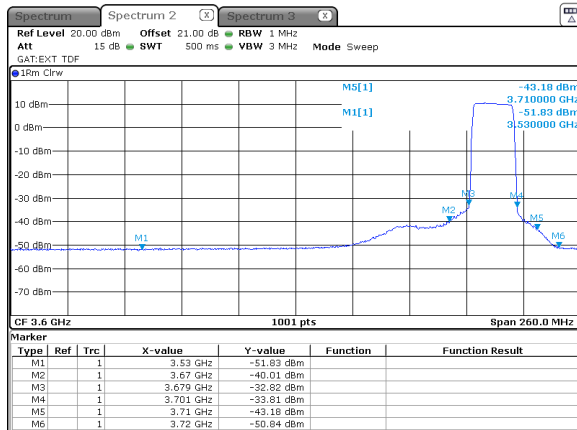
HERMON LABORATORIES

<b>Test specification:</b> Section 96.41(e), Emission mask			
<b>Test procedure:</b> Section 96.41(e)(3)			
<b>Test mode:</b> Compliance		<b>Verdict:</b> PASS	
<b>Date(s):</b> 15-Feb-22			
<b>Temperature:</b> 24.2 °C	<b>Relative Humidity:</b> 49 %	<b>Air Pressure:</b> 1010 hPa	<b>Power:</b> 48 VAC
<b>Remarks:</b>			

Plot 7.4.11 Emission outside the fundamental test results at high carrier frequency

CHANNEL SPACING:  
ANTENNA CHAIN:  
Modulation: QPSK

20 MHz  
1  
Modulation: 256QAM







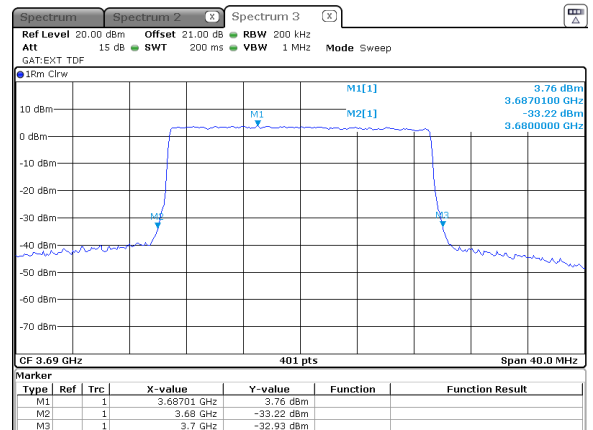
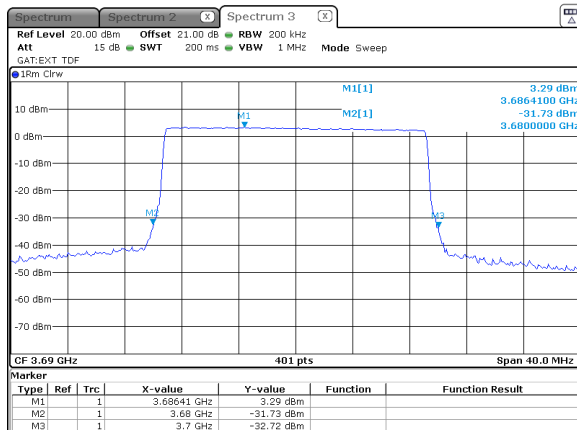
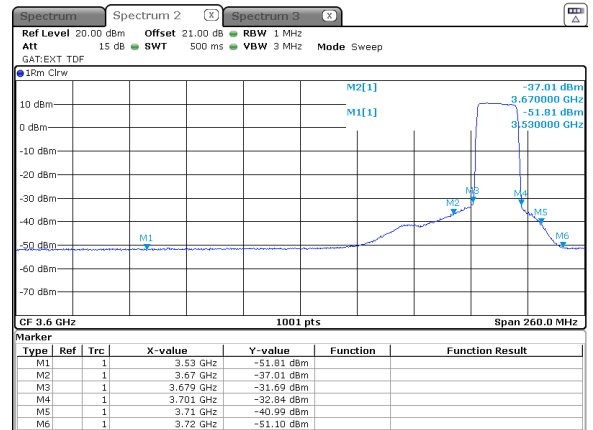
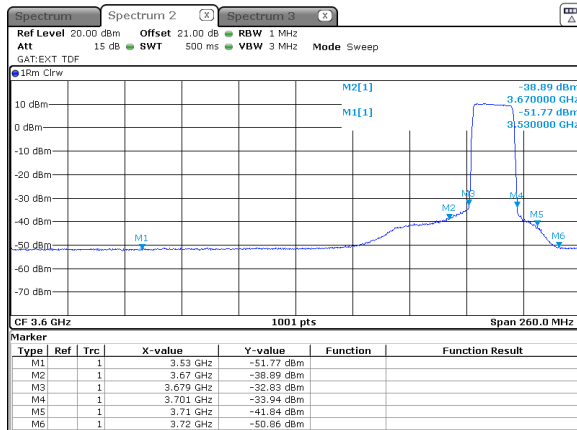
HERMON LABORATORIES

<b>Test specification:</b> Section 96.41(e), Emission mask			
<b>Test procedure:</b> Section 96.41(e)(3)			
<b>Test mode:</b> Compliance		<b>Verdict:</b> PASS	
<b>Date(s):</b> 15-Feb-22			
<b>Temperature:</b> 24.2 °C	<b>Relative Humidity:</b> 49 %	<b>Air Pressure:</b> 1010 hPa	<b>Power:</b> 48 VAC
<b>Remarks:</b>			

Plot 7.4.12 Emission outside the fundamental test results at high carrier frequency

CHANNEL SPACING:  
ANTENNA CHAIN:  
Modulation: QPSK

20 MHz  
2  
Modulation: 256QAM





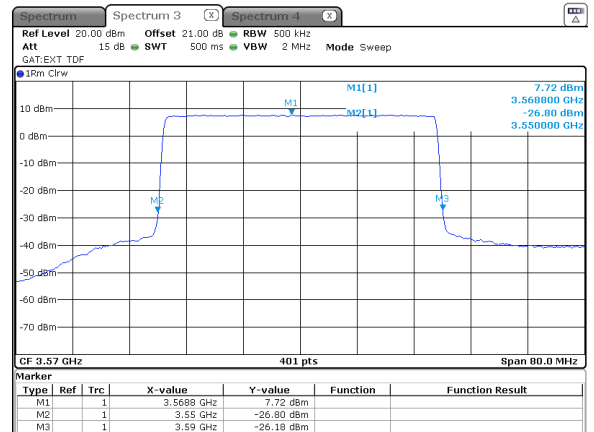
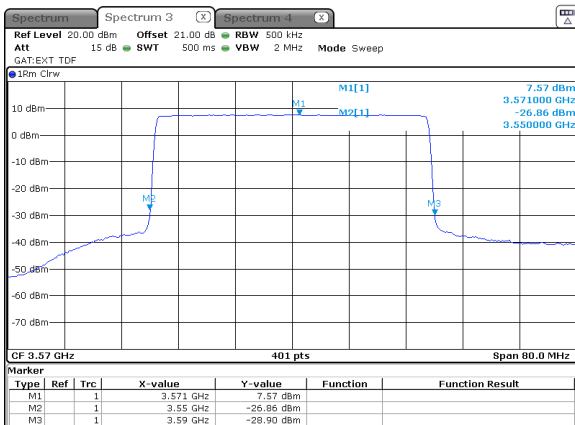
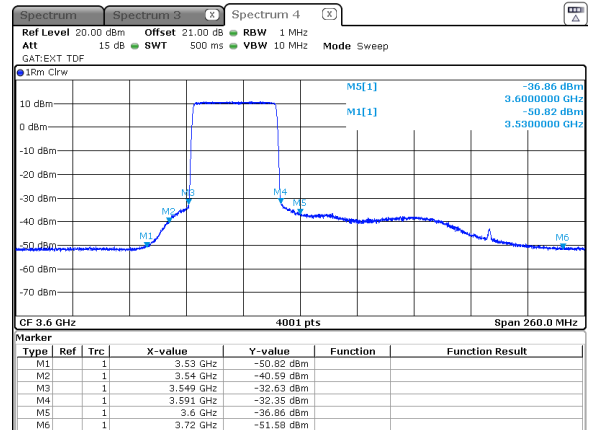
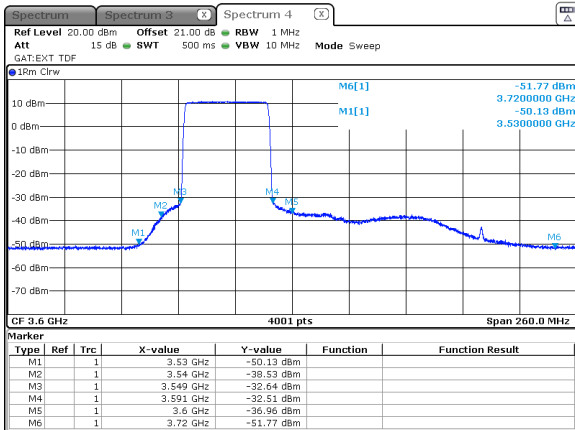
HERMON LABORATORIES

<b>Test specification:</b> Section 96.41(e), Emission mask			
<b>Test procedure:</b> Section 96.41(e)(3)			
<b>Test mode:</b> Compliance		<b>Verdict:</b> PASS	
<b>Date(s):</b> 15-Feb-22			
<b>Temperature:</b> 24.2 °C	<b>Relative Humidity:</b> 49 %	<b>Air Pressure:</b> 1010 hPa	<b>Power:</b> 48 VAC
<b>Remarks:</b>			

Plot 7.4.13 Emission outside the fundamental test results at low carrier frequency

CHANNEL SPACING:  
ANTENNA CHAIN:  
Modulation: QPSK

40 MHz  
1  
Modulation: 256QAM





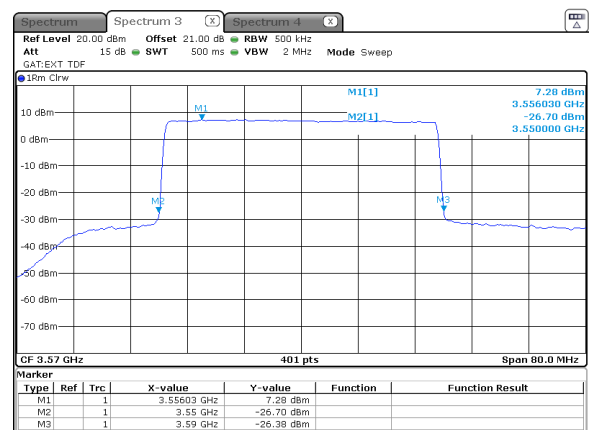
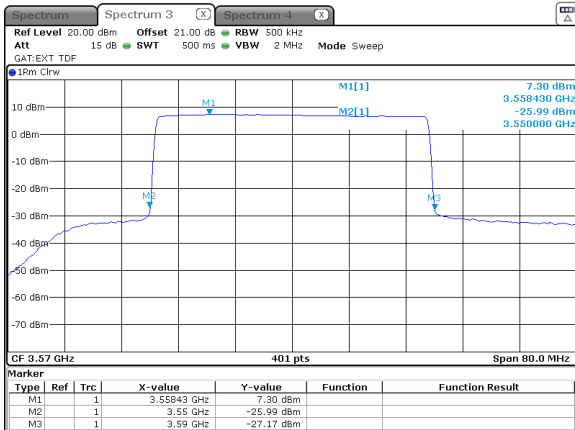
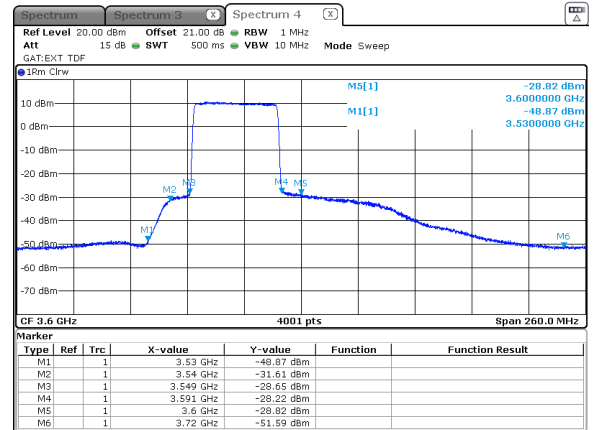
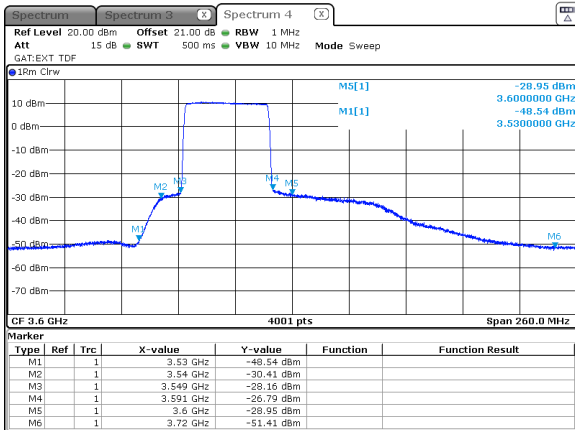
HERMON LABORATORIES

<b>Test specification:</b> Section 96.41(e), Emission mask			
<b>Test procedure:</b> Section 96.41(e)(3)			
<b>Test mode:</b> Compliance		<b>Verdict:</b> PASS	
<b>Date(s):</b> 15-Feb-22			
<b>Temperature:</b> 24.2 °C	<b>Relative Humidity:</b> 49 %	<b>Air Pressure:</b> 1010 hPa	<b>Power:</b> 48 VAC
<b>Remarks:</b>			

Plot 7.4.14 Emission outside the fundamental test results at low carrier frequency

CHANNEL SPACING:  
ANTENNA CHAIN:  
Modulation: QPSK

40 MHz  
2  
Modulation: 256QAM





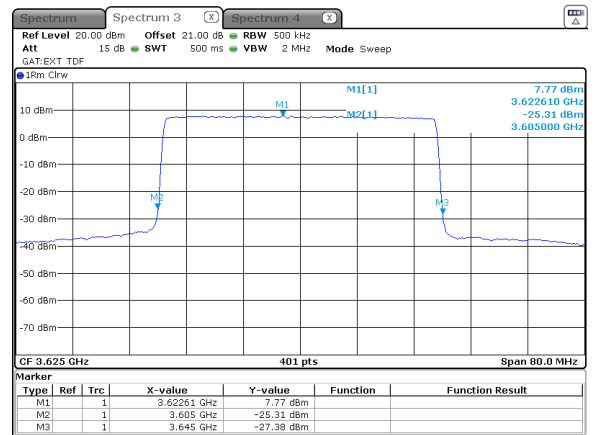
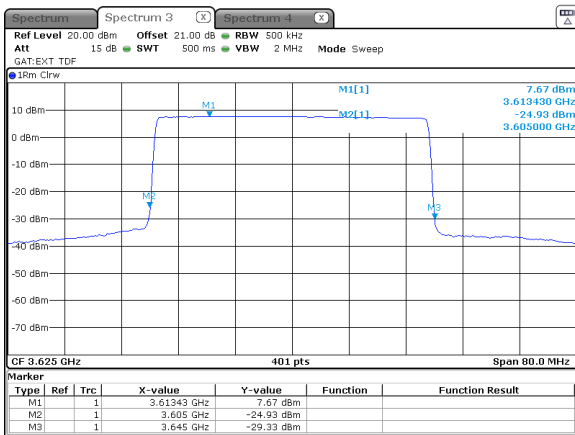
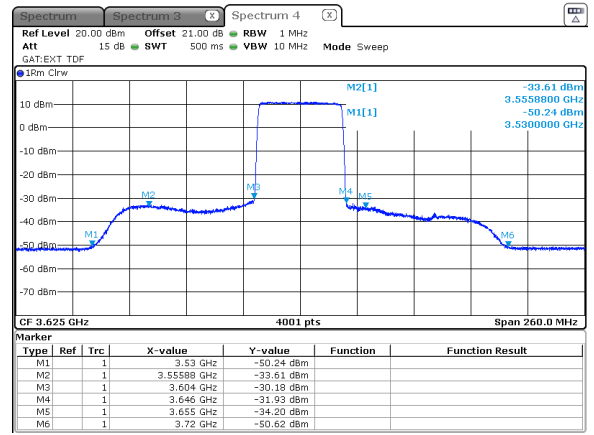
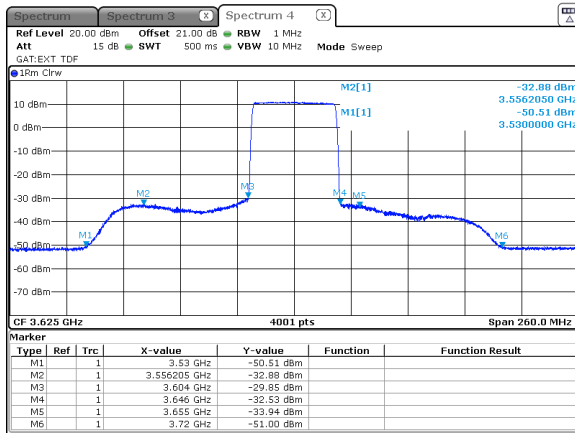
HERMON LABORATORIES

<b>Test specification:</b> Section 96.41(e), Emission mask			
<b>Test procedure:</b> Section 96.41(e)(3)			
<b>Test mode:</b> Compliance		<b>Verdict:</b> PASS	
<b>Date(s):</b> 15-Feb-22			
<b>Temperature:</b> 24.2 °C	<b>Relative Humidity:</b> 49 %	<b>Air Pressure:</b> 1010 hPa	<b>Power:</b> 48 VAC
<b>Remarks:</b>			

Plot 7.4.15 Emission outside the fundamental test results at mid carrier frequency

CHANNEL SPACING:  
ANTENNA CHAIN:  
Modulation: QPSK

40 MHz  
1  
Modulation: 256QAM





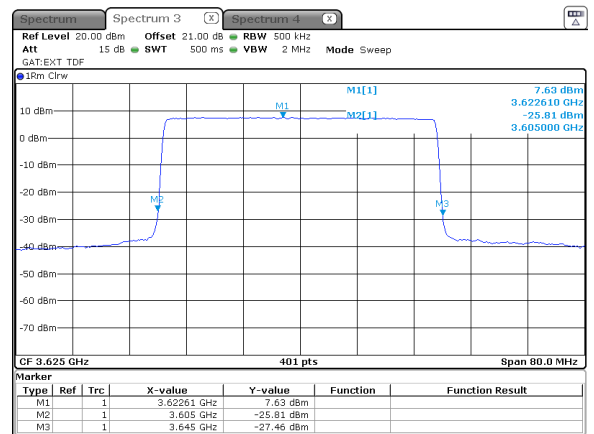
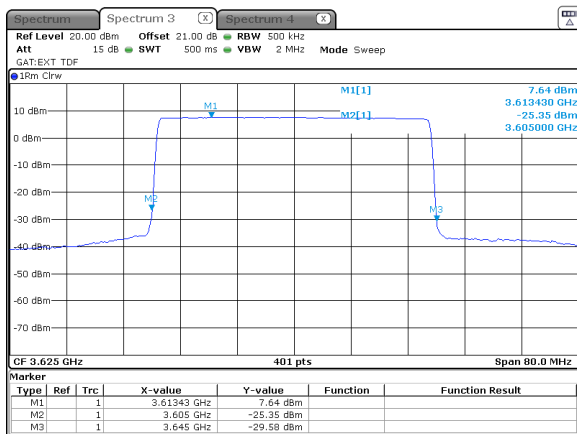
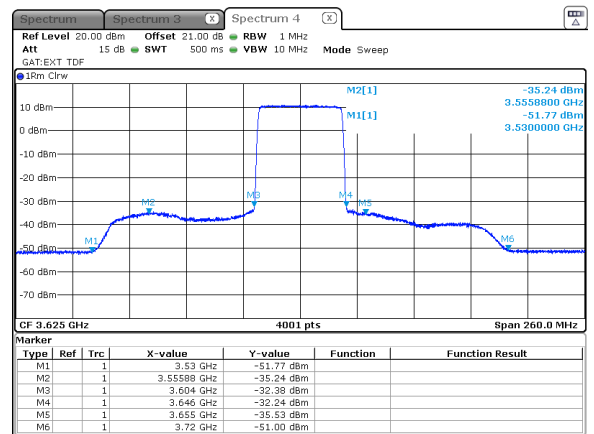
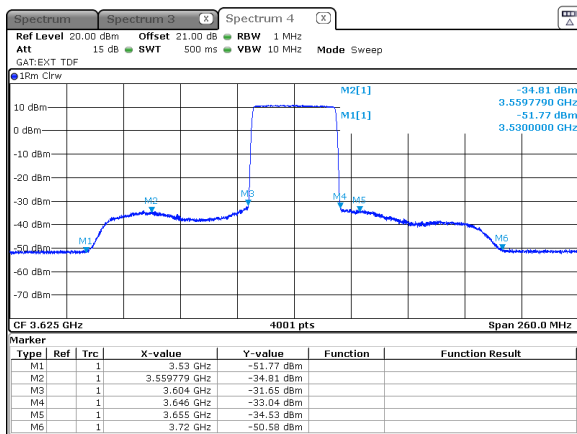
HERMON LABORATORIES

<b>Test specification:</b> Section 96.41(e), Emission mask			
<b>Test procedure:</b> Section 96.41(e)(3)			
<b>Test mode:</b> Compliance		<b>Verdict:</b> PASS	
<b>Date(s):</b> 15-Feb-22			
<b>Temperature:</b> 24.2 °C	<b>Relative Humidity:</b> 49 %	<b>Air Pressure:</b> 1010 hPa	<b>Power:</b> 48 VAC
<b>Remarks:</b>			

Plot 7.4.16 Emission outside the fundamental test results at mid carrier frequency

CHANNEL SPACING:  
ANTENNA CHAIN:  
Modulation: QPSK

40 MHz  
2  
Modulation: 256QAM





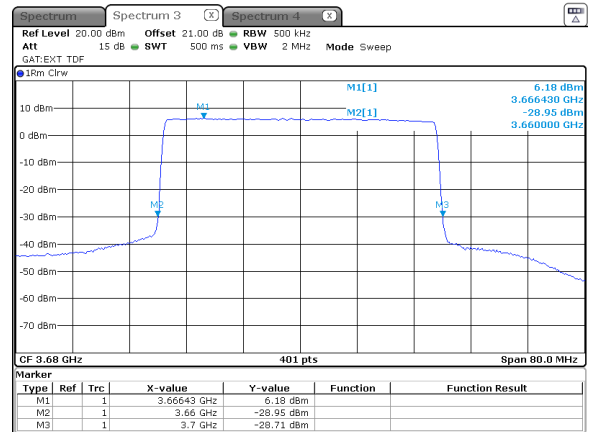
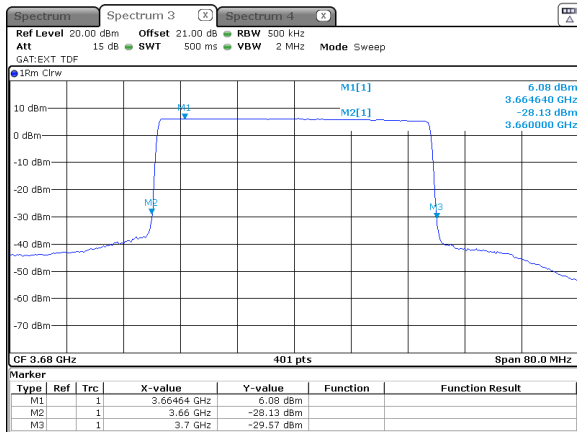
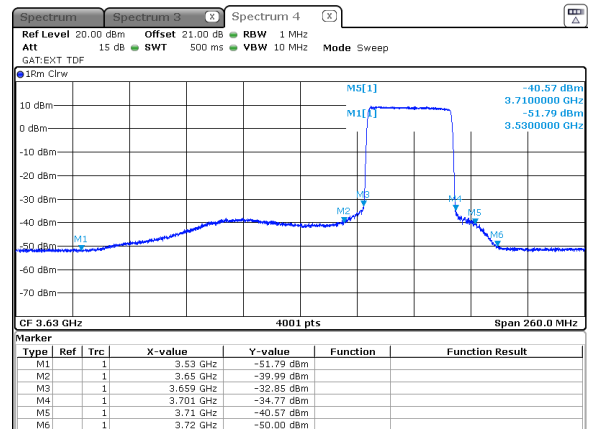
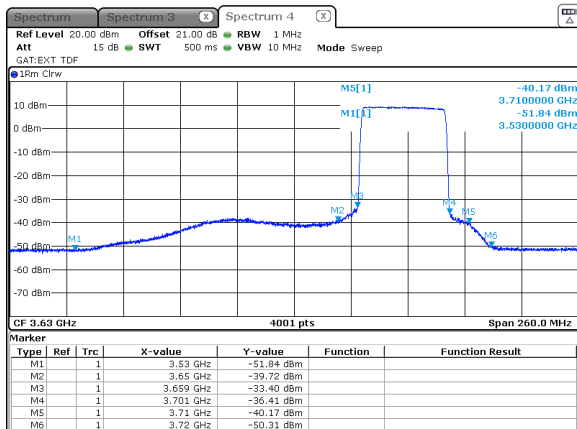
HERMON LABORATORIES

<b>Test specification:</b> Section 96.41(e), Emission mask			
<b>Test procedure:</b> Section 96.41(e)(3)			
<b>Test mode:</b> Compliance		<b>Verdict:</b> PASS	
<b>Date(s):</b> 15-Feb-22			
<b>Temperature:</b> 24.2 °C	<b>Relative Humidity:</b> 49 %	<b>Air Pressure:</b> 1010 hPa	<b>Power:</b> 48 VAC
<b>Remarks:</b>			

Plot 7.4.17 Emission outside the fundamental test results at high carrier frequency

CHANNEL SPACING:  
ANTENNA CHAIN:  
Modulation: QPSK

40 MHz  
1  
Modulation: 256QAM





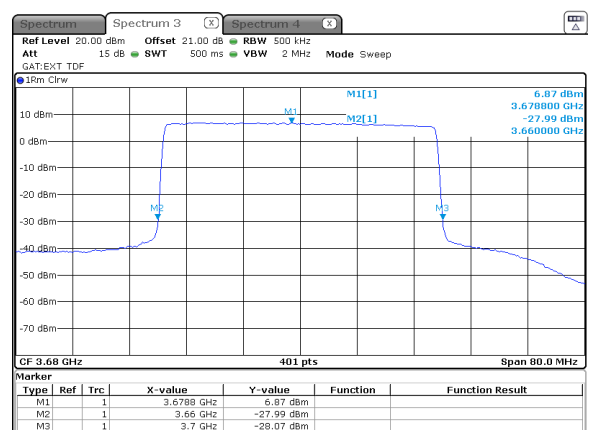
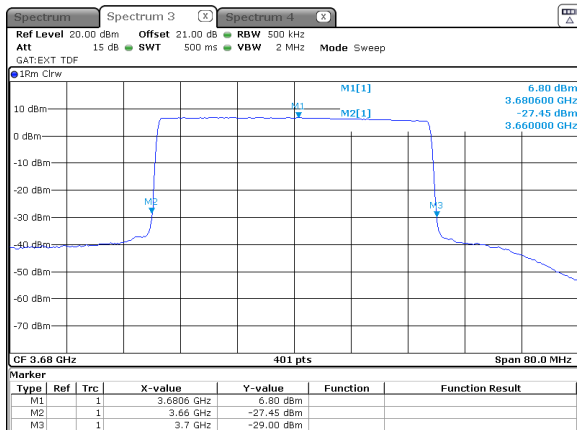
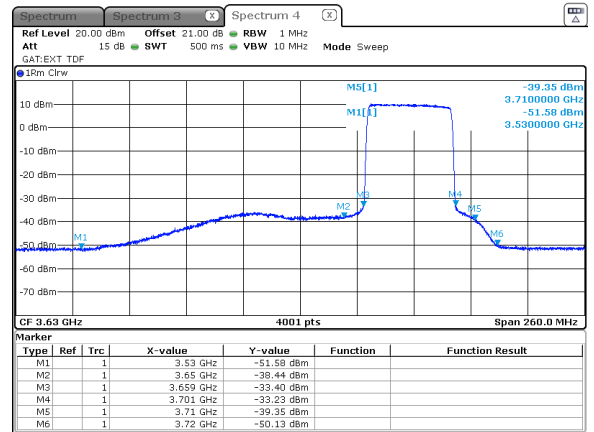
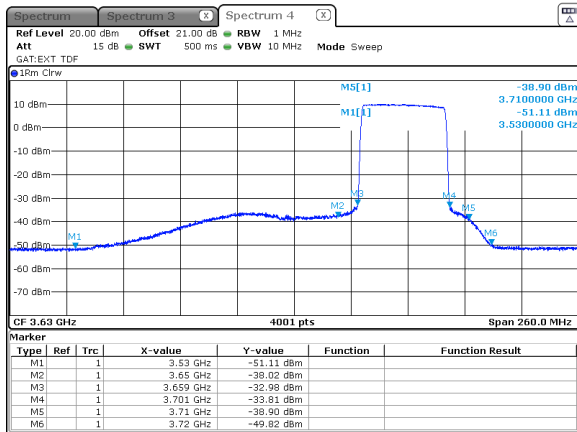
HERMON LABORATORIES

<b>Test specification:</b> Section 96.41(e), Emission mask			
<b>Test procedure:</b> Section 96.41(e)(3)			
<b>Test mode:</b> Compliance		<b>Verdict:</b> PASS	
<b>Date(s):</b> 15-Feb-22			
<b>Temperature:</b> 24.2 °C	<b>Relative Humidity:</b> 49 %	<b>Air Pressure:</b> 1010 hPa	<b>Power:</b> 48 VAC
<b>Remarks:</b>			

Plot 7.4.18 Emission outside the fundamental test results at high carrier frequency

CHANNEL SPACING:  
ANTENNA CHAIN:  
Modulation: QPSK

40 MHz  
2  
Modulation: 256QAM





<b>Test specification: Section 96.41(e)(2), Radiated spurious emissions</b>			
<b>Test procedure:</b> Section 96.41(e)(3)			
<b>Test mode:</b> Compliance		<b>Verdict: PASS</b>	
<b>Date(s):</b> 17-Feb-22			
<b>Temperature:</b> 24 °C	<b>Relative Humidity:</b> 52 %	<b>Air Pressure:</b> 1011 hPa	<b>Power:</b> 48 VAC
<b>Remarks:</b>			

## 7.5 Radiated spurious emission measurements

### 7.5.1 General

This test was performed to measure radiated spurious emissions from the EUT. Specification test limits are given in Table 7.5.1.

Table 7.5.1 Radiated spurious emission test limits

Frequency, MHz	EIRP of spurious, dBm	Equivalent field strength limit @ 3m, dB(µV/m)***
0.09 – below 3530.0	-40.0	55.2
3720.0 – 10th harmonic*	-40.0	55.2

\*\*\* - Equivalent field strength limit was calculated from maximum allowed ERP of spurious as follows:  $E = \sqrt{30 \times P \times 1.64} / r$ , where P is ERP in Watts, 1.64 is numeric gain of ideal dipole and r is antenna to EUT distance in meters

### 7.5.2 Test procedure for spurious emission field strength measurements in 9 kHz to 30 MHz band

7.5.2.1 The EUT was set up as shown in Figure 7.5.1, energized and the performance check was conducted.

7.5.2.2 The specified frequency range was investigated with antenna connected to spectrum analyzer. To find maximum radiation the turntable was rotated 360° and the measuring antenna was rotated around its vertical axis.

7.5.2.3 The worst test results (the lowest margins) were recorded in Table 7.5.2 and shown in the associated plots.

### 7.5.3 Test procedure for spurious emission field strength measurements above 30 MHz

7.5.3.1 The EUT was set up as shown in Figure 7.5.2, energized and the performance check was conducted.

7.5.3.2 The specified frequency range was investigated with antenna connected to spectrum analyzer. To find maximum radiation the turntable was rotated 360° and the measuring antenna height was swept from 1 to 4 m in both, vertical and horizontal, polarizations.

7.5.3.3 The worst test results (the lowest margins) were recorded in Table 7.5.2 and shown in the associated plots.





<b>Test specification: Section 96.41(e)(2), Radiated spurious emissions</b>			
<b>Test procedure:</b> Section 96.41(e)(3)			
<b>Test mode:</b> Compliance		<b>Verdict: PASS</b>	
<b>Date(s):</b> 17-Feb-22			
<b>Temperature:</b> 24 °C	<b>Relative Humidity:</b> 52 %	<b>Air Pressure:</b> 1011 hPa	<b>Power:</b> 48 VAC
<b>Remarks:</b>			

Figure 7.5.1 Setup for spurious emission field strength measurements in 9 kHz to 30 MHz band

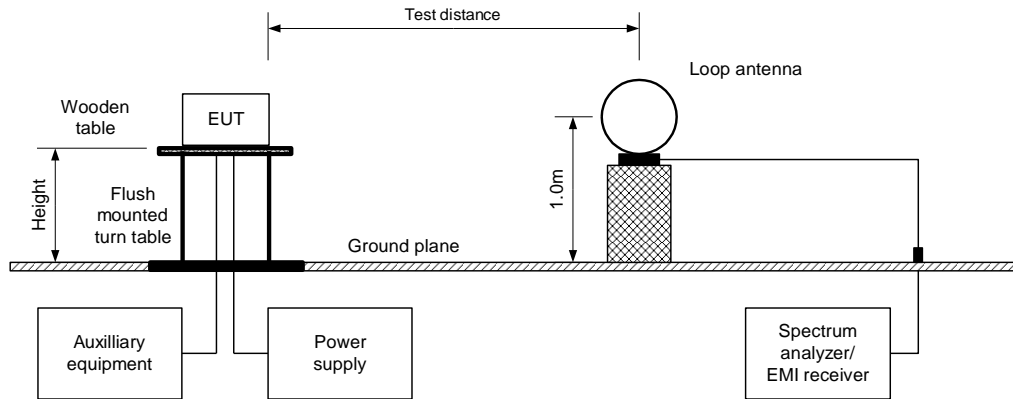
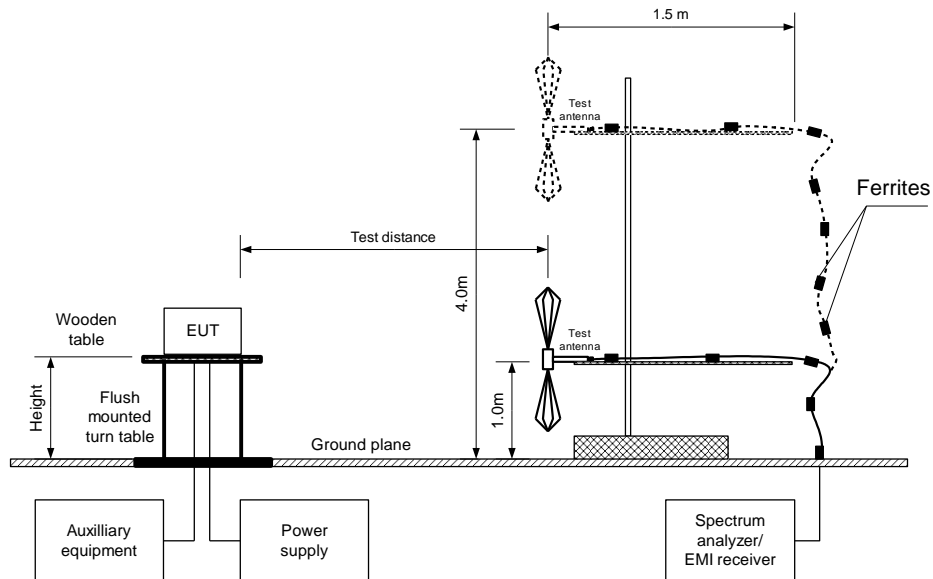


Figure 7.5.2 Setup for spurious emission field strength measurements above 30 MHz





<b>Test specification: Section 96.41(e)(2), Radiated spurious emissions</b>			
<b>Test procedure:</b> Section 96.41(e)(3)			
<b>Test mode:</b> Compliance		<b>Verdict: PASS</b>	
<b>Date(s):</b> 17-Feb-22			
<b>Temperature:</b> 24 °C	<b>Relative Humidity:</b> 52 %	<b>Air Pressure:</b> 1011 hPa	<b>Power:</b> 48 VAC
<b>Remarks:</b>			

**Table 7.5.2 Spurious emission field strength test results**

ASSIGNED FREQUENCY RANGE: 3550 - 3700 MHz  
TEST DISTANCE: 3 m  
TEST SITE: Semi anechoic chamber  
INVESTIGATED FREQUENCY RANGE: 0.009 – 1000 MHz  
DETECTOR USED: Peak  
VIDEO BANDWIDTH: > Resolution bandwidth  
TEST ANTENNA TYPE: Active loop (9 kHz – 30 MHz)  
Biconilog (30 MHz – 1000 MHz)  
256 QAM  
MODULATION: 256 QAM  
OCCUPIED BANDWIDTH: 40 MHz (Output power and PSD Worst case)  
TRANSMITTER OUTPUT POWER SETTINGS: Maximum

Frequency, MHz	Field strength, dB(µV/m)	Limit, dB(µV/m)	Margin, dB*	RBW, kHz	Antenna polarization	Antenna height, cm	Turn-table position**, degrees	Verdict
<b>Low carrier frequency 3570 MHz</b>								
No emissions found 10 dB under the limit								Pass
<b>Mid carrier frequency 3625 MHz</b>								
No emissions found 10 dB under the limit								Pass
<b>High carrier frequency 3680 MHz</b>								
No emissions found 10 dB under the limit								Pass

\*- Margin = Field strength of spurious – calculated field strength limit.

\*\* - EUT front panel refers to 0 degrees position of turntable.



<b>Test specification: Section 96.41(e)(2), Radiated spurious emissions</b>			
<b>Test procedure:</b> Section 96.41(e)(3)			
<b>Test mode:</b> Compliance		<b>Verdict: PASS</b>	
<b>Date(s):</b> 17-Feb-22			
<b>Temperature:</b> 24 °C	<b>Relative Humidity:</b> 52 %	<b>Air Pressure:</b> 1011 hPa	<b>Power:</b> 48 VAC
<b>Remarks:</b>			

**Table 7.5.3 Field strength of spurious emissions above 1 GHz within restricted bands**

ASSIGNED FREQUENCY RANGE: 3550 - 3700 MHz  
 TEST DISTANCE: 3 m  
 TEST SITE: Semi anechoic chamber  
 INVESTIGATED FREQUENCY RANGE: 0.009 – 37000 MHz  
 DETECTOR USED: PEAK / AVERAGE  
 VIDEO BANDWIDTH: > Resolution bandwidth  
 TEST ANTENNA TYPE: Double ridged guide (above 1000 MHz)  
 MODULATION: 256 QAM  
 OCCUPIED BANDWIDTH: 40 MHz (Output power and PSD Worst case)  
 TRANSMITTER OUTPUT POWER SETTINGS: Maximum

Frequency, MHz	Peak			Average			Antenna polarization	Antenna height, m	Turn-table position**, degrees	Verdict	
	Measured emission, dB(µV/m)	Limit, dB(µV/m)	Margin, dB*	Measured emission, dB(µV/m)	Limit, dB(µV/m)	Margin, dB*					
<b>Low carrier frequency 3570 MHz</b>											
1374.56	40.66	75.20	-34.54	40.66	55.20	-14.54	Horizontal	150	138	Pass	
<b>Mid carrier frequency 3625 MHz</b>											
1374.56	40.15	75.20	-35.05	40.15	55.20	-15.05	Horizontal	150	70		
<b>High carrier frequency 3680 MHz</b>											
1374.56	40.78	75.20	-34.42	40.78	55.20	-14.42	Horizontal	150	18		

\*- Margin = Field strength of spurious – calculated field strength limit.  
 \*\*- EUT front panel refers to 0 degrees position of turntable.

**Reference numbers of test equipment used**

HL 3903	HL 4360	HL 4933	HL 4956	HL 5112	HL 5288	HL 5908	
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Full description is given in Appendix A.

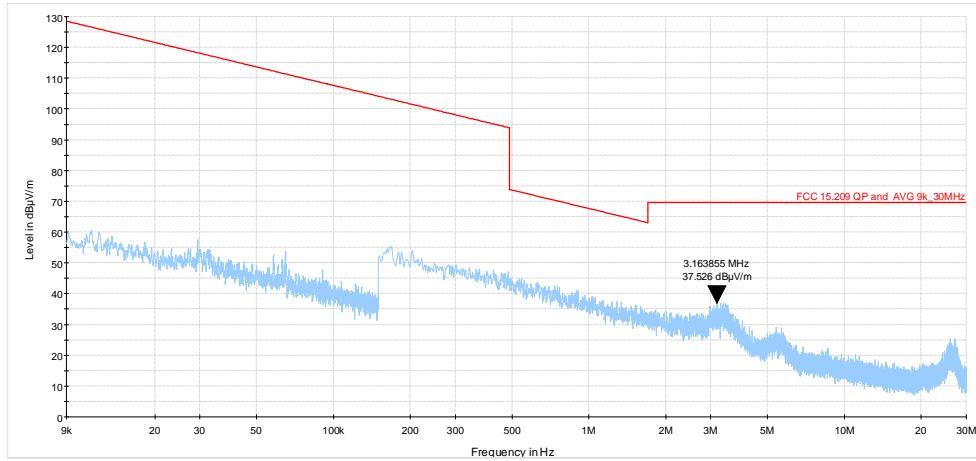


HERMON LABORATORIES

<b>Test specification: Section 96.41(e)(2), Radiated spurious emissions</b>			
<b>Test procedure:</b> Section 96.41(e)(3)			
<b>Test mode:</b> Compliance		<b>Verdict: PASS</b>	
<b>Date(s):</b> 17-Feb-22			
<b>Temperature:</b> 24 °C	<b>Relative Humidity:</b> 52 %	<b>Air Pressure:</b> 1011 hPa	<b>Power:</b> 48 VAC
<b>Remarks:</b>			

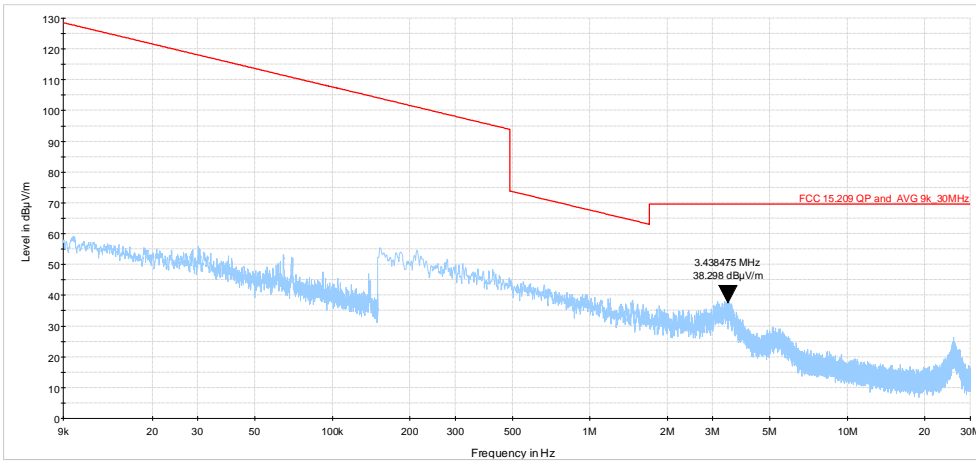
Plot 7.5.1 Radiated emission measurements in 9 kHz - 30 MHz range

TEST SITE: Semi anechoic chamber  
 CARRIER FREQUENCY: Low  
 TEST DISTANCE: 3 m



Plot 7.5.2 Radiated emission measurements in 9 kHz - 30 MHz range

TEST SITE: Semi anechoic chamber  
 CARRIER FREQUENCY: Mid  
 TEST DISTANCE: 3 m



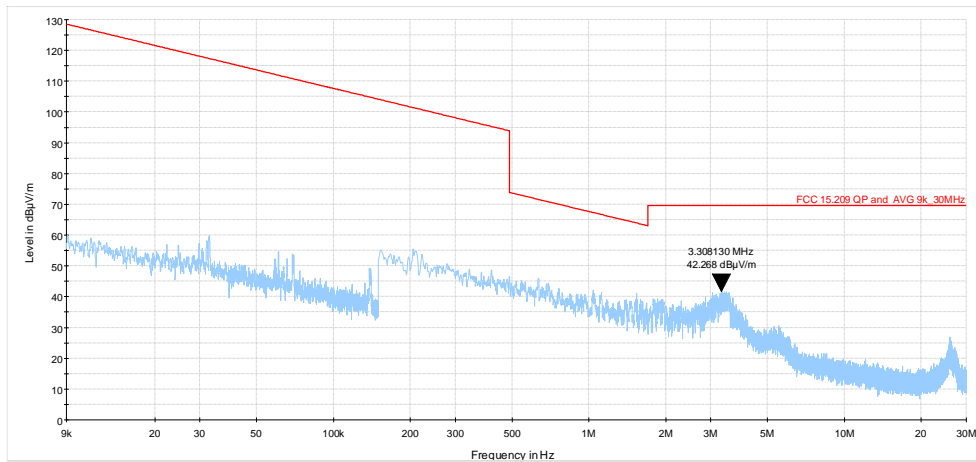


HERMON LABORATORIES

<b>Test specification: Section 96.41(e)(2), Radiated spurious emissions</b>			
<b>Test procedure:</b> Section 96.41(e)(3)			
<b>Test mode:</b> Compliance		<b>Verdict: PASS</b>	
<b>Date(s):</b> 17-Feb-22			
<b>Temperature:</b> 24 °C	<b>Relative Humidity:</b> 52 %	<b>Air Pressure:</b> 1011 hPa	<b>Power:</b> 48 VAC
<b>Remarks:</b>			

Plot 7.5.3 Radiated emission measurements in 9 kHz - 30 MHz range

TEST SITE: Semi anechoic chamber  
CARRIER FREQUENCY: High  
TEST DISTANCE: 3 m

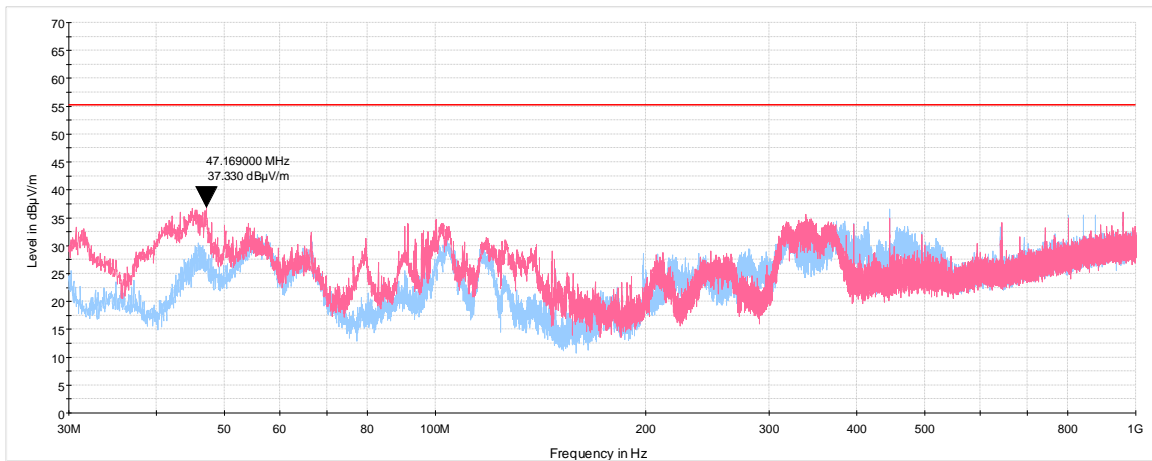




<b>Test specification: Section 96.41(e)(2), Radiated spurious emissions</b>			
<b>Test procedure:</b> Section 96.41(e)(3)			
<b>Test mode:</b> Compliance		<b>Verdict: PASS</b>	
<b>Date(s):</b> 17-Feb-22			
<b>Temperature:</b> 24 °C	<b>Relative Humidity:</b> 52 %	<b>Air Pressure:</b> 1011 hPa	<b>Power:</b> 48 VAC
<b>Remarks:</b>			

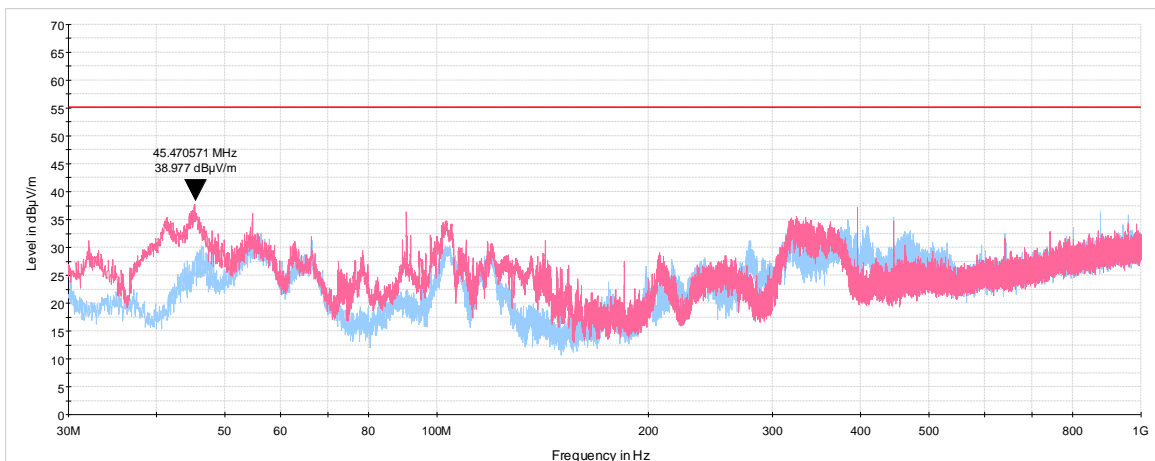
**Plot 7.5.4 Radiated emission measurements in 30 - 1000 MHz range**

TEST SITE:	Semi anechoic chamber
CARRIER FREQUENCY:	Low
ANTENNA POLARIZATION:	Vertical and Horizontal
TEST DISTANCE:	3 m



**Plot 7.5.5 Radiated emission measurements in 30 - 1000 MHz range**

TEST SITE:	Semi anechoic chamber
CARRIER FREQUENCY:	Mid
ANTENNA POLARIZATION:	Vertical and Horizontal
TEST DISTANCE:	3 m



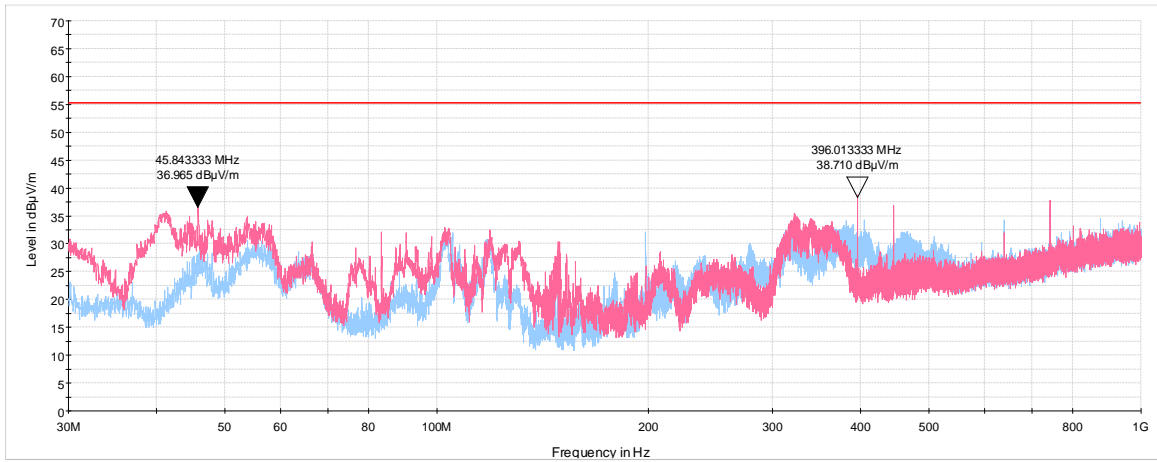


HERMON LABORATORIES

<b>Test specification: Section 96.41(e)(2), Radiated spurious emissions</b>			
<b>Test procedure:</b> Section 96.41(e)(3)			
<b>Test mode:</b> Compliance		<b>Verdict: PASS</b>	
<b>Date(s):</b> 17-Feb-22			
<b>Temperature:</b> 24 °C	<b>Relative Humidity:</b> 52 %	<b>Air Pressure:</b> 1011 hPa	<b>Power:</b> 48 VAC
<b>Remarks:</b>			

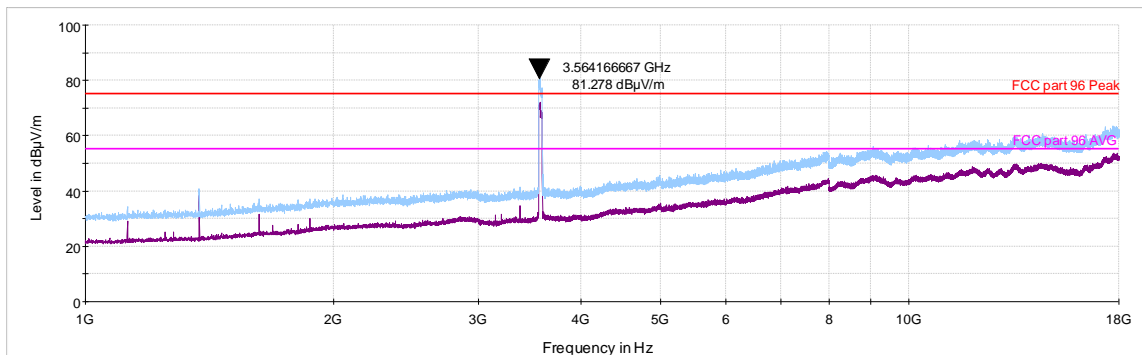
**Plot 7.5.6 Radiated emission measurements in 30 - 1000 MHz range**

TEST SITE:	Semi anechoic chamber
CARRIER FREQUENCY:	High
ANTENNA POLARIZATION:	Vertical and Horizontal
TEST DISTANCE:	3 m



**Plot 7.5.7 Radiated emission measurements in 1000 – 18000 MHz range**

TEST SITE:	Semi anechoic chamber
CARRIER FREQUENCY:	Low
ANTENNA POLARIZATION:	Vertical and Horizontal
TEST DISTANCE:	3 m



Note: 3564.1 MHz is low fundamental frequency

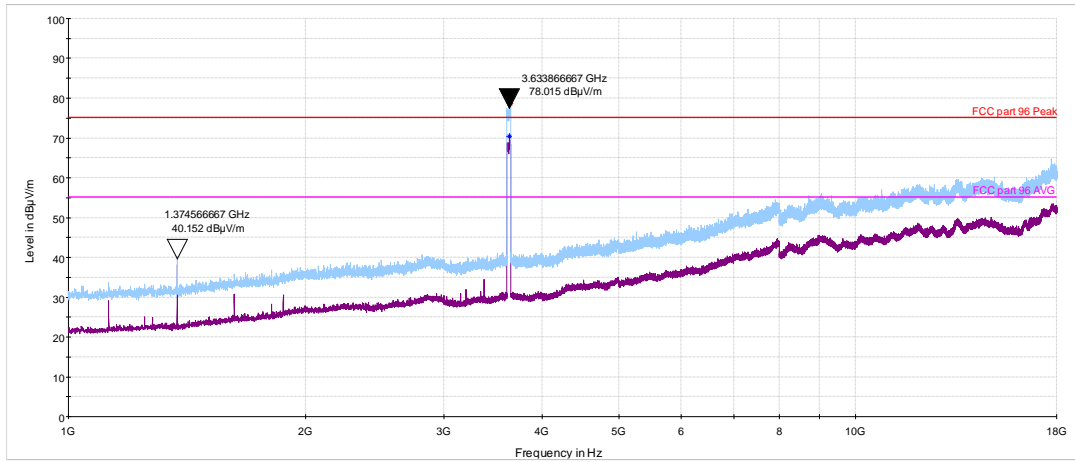


HERMON LABORATORIES

<b>Test specification: Section 96.41(e)(2), Radiated spurious emissions</b>			
<b>Test procedure:</b> Section 96.41(e)(3)			
<b>Test mode:</b> Compliance		<b>Verdict: PASS</b>	
<b>Date(s):</b> 17-Feb-22			
<b>Temperature:</b> 24 °C	<b>Relative Humidity:</b> 52 %	<b>Air Pressure:</b> 1011 hPa	<b>Power:</b> 48 VAC
<b>Remarks:</b>			

Plot 7.5.8 Radiated emission measurements in 1000 – 18000 MHz range

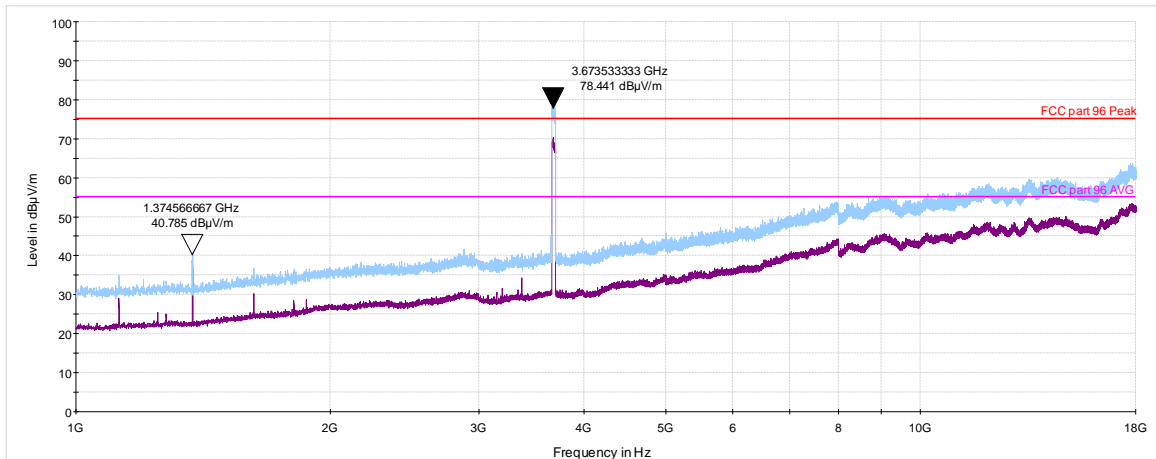
TEST SITE:	Semi anechoic chamber
CARRIER FREQUENCY:	Mid
ANTENNA POLARIZATION:	Vertical and Horizontal
TEST DISTANCE:	3 m



Note: 3633.8 MHz is mid fundamental frequency

Plot 7.5.9 Radiated emission measurements in 1000 – 18000 MHz range

TEST SITE:	Semi anechoic chamber
CARRIER FREQUENCY:	High
ANTENNA POLARIZATION:	Vertical and Horizontal
TEST DISTANCE:	3 m



Note: 3673.5 MHz is high fundamental frequency

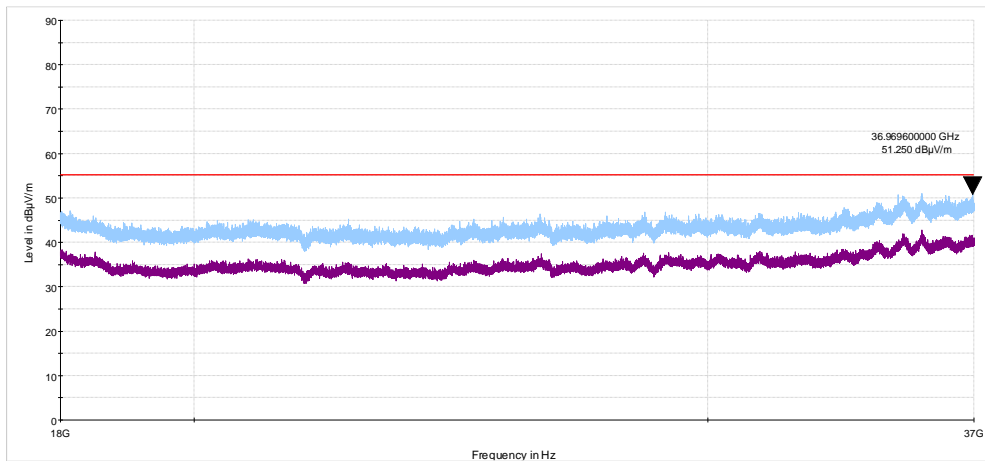




<b>Test specification: Section 96.41(e)(2), Radiated spurious emissions</b>			
<b>Test procedure:</b> Section 96.41(e)(3)			
<b>Test mode:</b> Compliance		<b>Verdict: PASS</b>	
<b>Date(s):</b> 17-Feb-22			
<b>Temperature:</b> 24 °C	<b>Relative Humidity:</b> 52 %	<b>Air Pressure:</b> 1011 hPa	<b>Power:</b> 48 VAC
<b>Remarks:</b>			

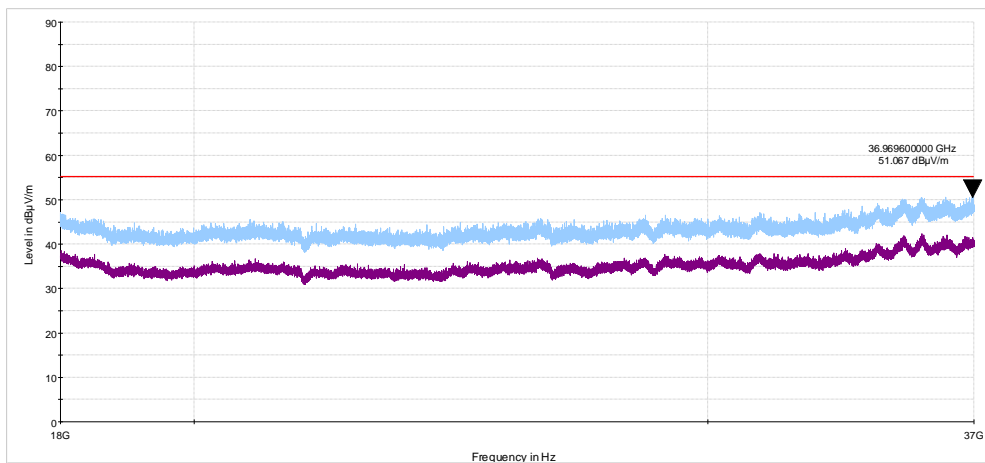
**Plot 7.5.10 Radiated emission measurements in 18000 –37000 MHz range**

TEST SITE: Semi anechoic chamber  
 CARRIER FREQUENCY: Low  
 ANTENNA POLARIZATION: Vertical and Horizontal  
 TEST DISTANCE: 3 m



**Plot 7.5.11 Radiated emission measurements in 18000 –37000 MHz range**

TEST SITE: Semi anechoic chamber  
 CARRIER FREQUENCY: Mid  
 ANTENNA POLARIZATION: Vertical and Horizontal  
 TEST DISTANCE: 3 m





<b>Test specification: Section 96.41(e)(2), Radiated spurious emissions</b>			
<b>Test procedure:</b> Section 96.41(e)(3)			
<b>Test mode:</b> Compliance		<b>Verdict: PASS</b>	
<b>Date(s):</b> 17-Feb-22			
<b>Temperature:</b> 24 °C	<b>Relative Humidity:</b> 52 %	<b>Air Pressure:</b> 1011 hPa	<b>Power:</b> 48 VAC
<b>Remarks:</b>			

Plot 7.5.12 Radiated emission measurements in 18000 –37000 MHz range

TEST SITE:	Semi anechoic chamber
CARRIER FREQUENCY:	High
ANTENNA POLARIZATION:	Vertical and Horizontal
TEST DISTANCE:	3 m

