



Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

7.2 Field strength of emissions with 37.1 dBi antenna gain

7.2.1 General

This test was performed to measure field strength of fundamental and spurious emissions from the EUT. Specification test limits are given in Table 7.2.1, Table 7.2.2, Table 7.2.3, Table 7.2.4.

Table 7.2.1 Radiated fundamental emission limits

Fundamental frequency, MHz	Field strength at 3 m, dB(μV/m)		
	Peak	Average	Quasi-Peak
24000 – 24250	128.0	108.0	NA

Table 7.2.2 Harmonics limits

Fundamental frequency, MHz	Field strength at 3 m, dB(μV/m)	
	Peak	Average
24000 – 24250	88.0	68.0

Table 7.2.3 Radiated spurious emissions limits (other than harmonics)

Frequency, MHz	Field strength at 3 m, dB(μV/m)*			Attenuation below carrier
	Peak	Quasi Peak	Average	
0.009 – 0.090	148.5 – 128.5	NA	128.5 – 108.5**	50 dBc (whichever is the less stringent)
0.090 – 0.110	NA	108.5 – 106.8**	NA	
0.110 – 0.490	126.8 – 113.8	NA	106.8 – 93.8**	
0.490 – 1.705	NA	73.8 – 63.0**	NA	
1.705 – 30.0*		69.5		
30 – 88		40.0		
88 – 216		43.5		
216 – 960		46.0		
960 - 1000		54.0		
Above 1000	74.0	NA	54.0	

*- The limit for 3 m test distance was calculated using the inverse square distance extrapolation factor as follows:

$$Lim_{S_2} = Lim_{S_1} + 40 \log (S_1/S_2),$$

where S₁ and S₂ – standard defined and test distance respectively in meters.

** - The limit decreases linearly with the logarithm of frequency.

Note: The above field strength limits applied from the lowest radio frequency generated in the device, without going below 9 kHz up to the tenth harmonic of the highest fundamental frequency but not exceeding 40 GHz for intentional radiators operated below 10 GHz and up to the fifth harmonic of the highest fundamental frequency but not exceeding 100 GHz for intentional radiators operated above 10 GHz.



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Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Table 7.2.4 Radiated spurious emissions limits (other than harmonics)

Frequency, GHz	Distance, m	Field strength dB(μV/m)*, peak	Field strength dB(μV/m)*, average
40 - 60	0.50	89.56*	69.56*
60 - 75	0.10	103.54*	83.54*
75 - 100	0.05	109.60*	89.60*

*- The limit for other test distance was calculated using the inverse distance extrapolation factor as follows:

$$\text{LimS2} = \text{LimS1} + 20 \log (S1/S2),$$

where S1 and S2 – standard defined and test distance respectively in meters.



Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

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

7.2.2.1 The EUT was set up as shown in Figure 7.2.1, energized and the performance check was conducted.

7.2.2.2 The measurements were performed in the typical position.

7.2.2.3 The specified frequency range was investigated with antenna connected to spectrum analyzer/ EMI receiver. To find maximum radiation the turntable was rotated 3600 and the measuring antenna was rotated around its vertical axis.

7.2.2.4 The worst test results (the lowest margins) were found in the EUT vertical (X, Y, Z-axis) position, recorded in the associated tables and shown in the associated plots.

7.2.3 Test procedure for spurious emission field strength measurements above 30 MHz

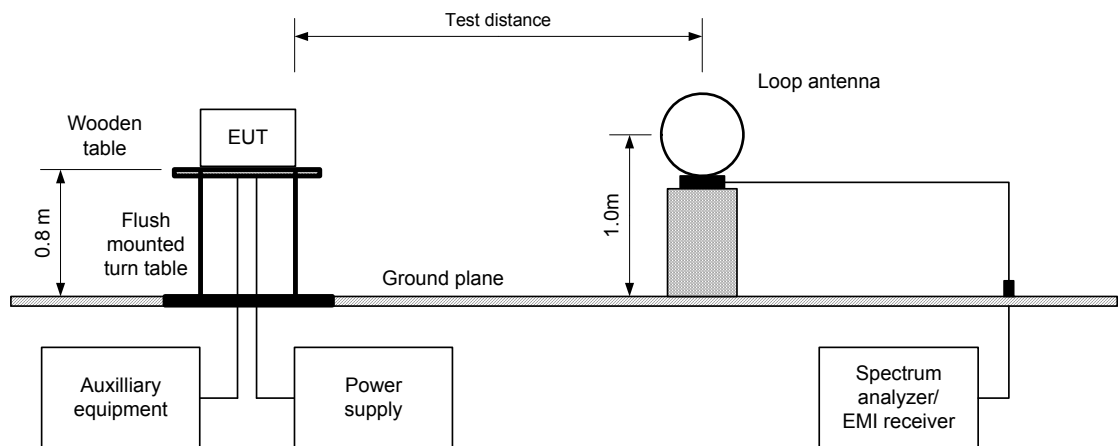
7.2.3.1 The EUT was set up as shown in Figure 7.2.2, Figure 7.2.3, energized and the performance check was conducted.

7.2.3.2 The measurements were performed in the typical position.

7.2.3.3 The specified frequency range was investigated with antenna connected to spectrum analyzer/ EMI receiver. To find maximum radiation the turntable was rotated 3600, the measuring antenna height was changed from 1 to 4 m, its polarization was switched from vertical to horizontal.

7.2.3.4 The worst test results (the lowest margins) were found in the typical position, recorded in the associated tables and shown in the associated plots

Figure 7.2.1 Setup for spurious emission field strength measurements below 30 MHz





Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Figure 7.2.2 Setup for spurious emission field strength measurements in 30 -1000 MHz

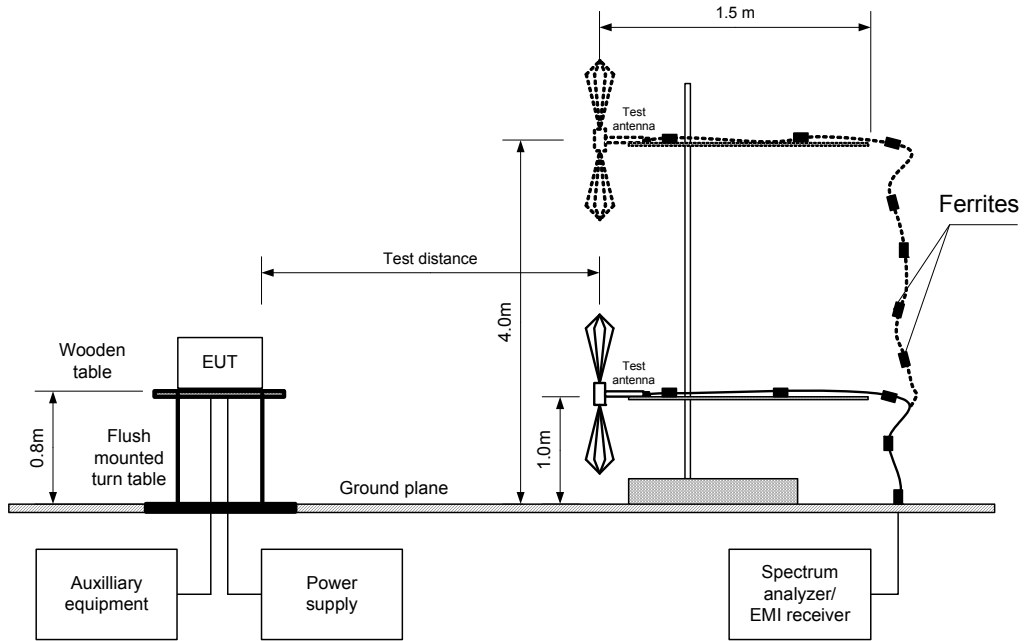
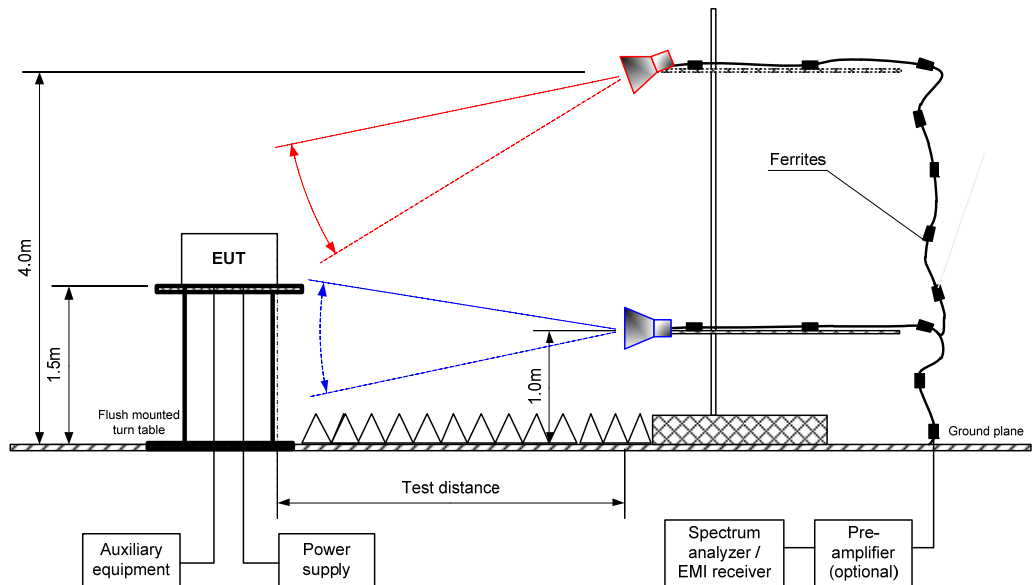


Figure 7.2.3 Setup for spurious emission field strength measurements above 1000 MHz





Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Table 7.2.5 Field strength of fundamental emission

TEST DISTANCE: 3 m
 EUT POSITION: Typical
 MODULATING SIGNAL: PRBS
 TRANSMITTER OUTPUT POWER SETTINGS: Maximum
 INVESTIGATED FREQUENCY RANGE: 0.009 – 100 000 MHz
 DETECTOR USED: Peak
 RESOLUTION BANDWIDTH: 1.0 kHz (9 kHz – 150 kHz)
 9.0 kHz (150 kHz – 30 MHz)
 120 kHz (30 MHz – 1000 MHz)
 1.0 MHz (above 1000 MHz)
 VIDEO BANDWIDTH: ≥ Resolution bandwidth
 TEST ANTENNA TYPE: Double ridged guide (above 1000 MHz)

Fundamental emission

Frequency, MHz	Antenna		Azimuth, degrees*	Peak field strength			Avr factor, dB	Average field strength			Verdict
	Pol.	Height, m		Measured, dB(µV/m)	Limit, dB(µV/m)	Margin, dB**		Measured, dB(µV/m)	Limit, dB(µV/m)	Margin, dB**	
Channel bandwidth 20 MHz											
Modulation QPSK											
24010.0	Vert	1.5	0	120.54	128.0	-7.46	0	107.62	108.0	-0.38	Pass
24070.0	Vert	1.5	0	119.91	128.0	-8.09	0	107.09	108.0	-0.91	
24180.0	Vert	1.5	0	120.69	128.0	-7.31	0	107.62	108.0	-0.38	
24240.0	Vert	1.5	0	120.96	128.0	-7.04	0	107.84	108.0	-0.16	
Modulation 2048 QAM											
24010.0	Vert	1.5	0	120.44	128.0	-7.56	0	107.44	108.0	-0.56	Pass
24070.0	Vert	1.5	0	118.53	128.0	-9.47	0	107.29	108.0	-0.71	
24180.0	Vert	1.5	0	118.56	128.0	-9.44	0	107.56	108.0	-0.44	
24240.0	Vert	1.5	0	120.02	128.0	-7.98	0	107.22	108.0	-0.78	
Modulation QPSK											
24010.0	Hor	1.5	0	119.76	128.0	-8.24	0	107.42	108.0	-0.58	Pass
24070.0	Hor	1.5	0	120.43	128.0	-7.57	0	107.38	108.0	-0.62	
24180.0	Hor	1.5	0	120.20	128.0	-7.80	0	107.29	108.0	-0.71	
24240.0	Hor	1.5	0	120.85	128.0	-7.15	0	107.71	108.0	-0.29	
Modulation 2048 QAM											
24010.0	Hor	1.5	0	119.24	128.0	-8.76	0	107.31	108.0	-0.69	Pass
24070.0	Hor	1.5	0	118.59	128.0	-9.41	0	107.56	108.0	-0.44	
24180.0	Hor	1.5	0	118.52	128.0	-9.48	0	107.60	108.0	-0.40	
24240.0	Hor	1.5	0	119.11	128.0	-8.89	0	107.58	108.0	-0.42	



Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Table 7.2.6 Field strength of fundamental emission

TEST DISTANCE: 3 m
 EUT POSITION: Typical
 MODULATING SIGNAL: PRBS
 TRANSMITTER OUTPUT POWER SETTINGS: Maximum
 INVESTIGATED FREQUENCY RANGE: 0.009 – 100 000 MHz
 DETECTOR USED: Peak
 RESOLUTION BANDWIDTH: 1.0 kHz (9 kHz – 150 kHz)
 9.0 kHz (150 kHz – 30 MHz)
 120 kHz (30 MHz – 1000 MHz)
 1.0 MHz (above 1000 MHz)
 VIDEO BANDWIDTH: ≥ Resolution bandwidth
 TEST ANTENNA TYPE: Double ridged guide (above 1000 MHz)

Fundamental emission

Frequency, MHz	Antenna		Azimuth, degrees*	Peak field strength			Avr factor, dB	Average field strength			Verdict
	Pol.	Height, m		Measured, dB(μV/m)	Limit, dB(μV/m)	Margin, dB**		Measured, dB(μV/m)	Limit, dB(μV/m)	Margin, dB**	
Channel bandwidth 30 MHz											
Modulation QPSK											
24015.0	Vert	1.5	0	119.54	128.0	-8.46	0	106.57	108.0	-1.43	Pass
24065.0	Vert	1.5	0	118.95	128.0	-9.05	0	106.38	108.0	-1.62	
24185.0	Vert	1.5	0	119.53	128.0	-8.47	0	106.10	108.0	-1.90	
24235.0	Vert	1.5	0	119.51	128.0	-8.49	0	106.67	108.0	-1.33	
Modulation 2048 QAM											
24015.0	Vert	1.5	0	117.66	128.0	-10.34	0	106.66	108.0	-1.34	Pass
24065.0	Vert	1.5	0	117.38	128.0	-10.62	0	106.15	108.0	-1.85	
24185.0	Vert	1.5	0	117.52	128.0	-10.48	0	106.22	108.0	-1.78	
24235.0	Vert	1.5	0	117.73	128.0	-10.27	0	106.67	108.0	-1.33	
Modulation QPSK											
24015.0	Hor	1.5	0	119.00	128.0	-9.00	0	105.84	108.0	-2.16	Pass
24065.0	Hor	1.5	0	118.77	128.0	-9.23	0	105.66	108.0	-2.34	
24185.0	Hor	1.5	0	119.07	128.0	-8.93	0	105.71	108.0	-2.29	
24235.0	Hor	1.5	0	118.83	128.0	-9.17	0	105.94	108.0	-2.06	
Modulation 2048 QAM											
24015.0	Hor	1.5	0	117.42	128.0	-10.58	0	105.95	108.0	-2.05	Pass
24065.0	Hor	1.5	0	116.39	128.0	-11.61	0	105.68	108.0	-2.32	
24185.0	Hor	1.5	0	117.03	128.0	-10.97	0	104.87	108.0	-3.13	
24235.0	Hor	1.5	0	116.00	128.0	-12.00	0	105.33	108.0	-2.67	



Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Table 7.2.7 Field strength of fundamental emission

TEST DISTANCE: 3 m
 EUT POSITION: Typical
 MODULATING SIGNAL: PRBS
 TRANSMITTER OUTPUT POWER SETTINGS: Maximum
 INVESTIGATED FREQUENCY RANGE: 0.009 – 100 000 MHz
 DETECTOR USED: Peak
 RESOLUTION BANDWIDTH: 1.0 kHz (9 kHz – 150 kHz)
 9.0 kHz (150 kHz – 30 MHz)
 120 kHz (30 MHz – 1000 MHz)
 1.0 MHz (above 1000 MHz)
 VIDEO BANDWIDTH: ≥ Resolution bandwidth
 TEST ANTENNA TYPE: Double ridged guide (above 1000 MHz)

Fundamental emission

Frequency, MHz	Antenna		Azimuth, degrees*	Peak field strength			Avr factor, dB	Average field strength			Verdict
	Pol.	Height, m		Measured, dB(µV/m)	Limit, dB(µV/m)	Margin, dB**		Measured, dB(µV/m)	Limit, dB(µV/m)	Margin, dB**	
Channel bandwidth 40 MHz											
Modulation QPSK											
24020.0	Vert	1.5	0	119.60	128.0	-8.40	0	105.65	108.0	-2.35	Pass
24060.0	Vert	1.5	0	119.43	128.0	-8.57	0	105.51	108.0	-2.49	
24190.0	Vert	1.5	0	118.26	128.0	-9.74	0	104.41	108.0	-3.59	
24230.0	Vert	1.5	0	119.50	128.0	-8.50	0	104.46	108.0	-3.54	
Modulation 2048 QAM											
24020.0	Vert	1.5	0	116.02	128.0	-11.98	0	105.02	108.0	-2.98	Pass
24060.0	Vert	1.5	0	116.67	128.0	-11.33	0	105.15	108.0	-2.85	
24190.0	Vert	1.5	0	115.19	128.0	-12.81	0	104.39	108.0	-3.61	
24230.0	Vert	1.5	0	115.32	128.0	-12.68	0	104.6	108.0	-3.40	
Modulation QPSK											
24020.0	Hor	1.5	0	119.24	128.0	-8.76	0	105.47	108.0	-2.53	Pass
24060.0	Hor	1.5	0	119.29	128.0	-8.71	0	105.66	108.0	-2.34	
24190.0	Hor	1.5	0	118.44	128.0	-9.56	0	104.56	108.0	-3.44	
24230.0	Hor	1.5	0	119.25	128.0	-8.75	0	104.68	108.0	-3.32	
Modulation 2048 QAM											
24020.0	Hor	1.5	0	116.17	128.0	-11.83	0	105.25	108.0	-2.75	Pass
24060.0	Hor	1.5	0	116.51	128.0	-11.49	0	105.25	108.0	-2.75	
24190.0	Hor	1.5	0	115.24	128.0	-12.76	0	104.46	108.0	-3.54	
24230.0	Hor	1.5	0	115.54	128.0	-12.46	0	104.78	108.0	-3.22	



Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Table 7.2.8 Field strength of fundamental emission

TEST DISTANCE: 3 m
 EUT POSITION: Typical
 MODULATING SIGNAL: PRBS
 TRANSMITTER OUTPUT POWER SETTINGS: Maximum
 INVESTIGATED FREQUENCY RANGE: 0.009 – 100 000 MHz
 DETECTOR USED: Peak
 RESOLUTION BANDWIDTH: 1.0 kHz (9 kHz – 150 kHz)
 9.0 kHz (150 kHz – 30 MHz)
 120 kHz (30 MHz – 1000 MHz)
 1.0 MHz (above 1000 MHz)
 VIDEO BANDWIDTH: ≥ Resolution bandwidth
 TEST ANTENNA TYPE: Double ridged guide (above 1000 MHz)

Fundamental emission

Frequency, MHz	Antenna		Azimuth, degrees*	Peak field strength			Avr factor, dB	Average field strength			Verdict
	Pol.	Height, m		Measured, dB(µV/m)	Limit, dB(µV/m)	Margin, dB**		Measured, dB(µV/m)	Limit, dB(µV/m)	Margin, dB**	
Channel bandwidth 50 MHz											
Modulation QPSK											
24025.0	Vert	1.5	0	118.81	128.0	-9.19	0	104.39	108.0	-3.61	Pass
24055.0	Vert	1.5	0	119.14	128.0	-8.86	0	104.52	108.0	-3.48	
24195.0	Vert	1.5	0	117.91	128.0	-10.09	0	103.77	108.0	-4.23	
24225.0	Vert	1.5	0	117.88	128.0	-10.12	0	103.84	108.0	-4.16	
Modulation 2048 QAM											
24025.0	Vert	1.5	0	114.54	128.0	-13.46	0	104.3	108.0	-3.70	Pass
24055.0	Vert	1.5	0	115.62	128.0	-12.38	0	104.3	108.0	-3.70	
24195.0	Vert	1.5	0	114.25	128.0	-13.75	0	103.73	108.0	-4.27	
24225.0	Vert	1.5	0	114.96	128.0	-13.04	0	103.48	108.0	-4.52	
Modulation QPSK											
24025.0	Hor	1.5	0	118.72	128.0	-9.28	0	104.47	108.0	-3.53	Pass
24055.0	Hor	1.5	0	119.22	128.0	-8.78	0	104.59	108.0	-3.41	
24195.0	Hor	1.5	0	117.92	128.0	-10.08	0	103.86	108.0	-4.14	
24225.0	Hor	1.5	0	117.72	128.0	-10.28	0	103.74	108.0	-4.26	
Modulation 2048 QAM											
24025.0	Hor	1.5	0	114.65	128.0	-13.35	0	104.43	108.0	-3.57	Pass
24055.0	Hor	1.5	0	115.25	128.0	-12.75	0	104.36	108.0	-3.64	
24195.0	Hor	1.5	0	114.26	128.0	-13.74	0	104.3	108.0	-3.70	
24225.0	Hor	1.5	0	115.08	128.0	-12.92	0	103.88	108.0	-4.12	



Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Table 7.2.9 Field strength of fundamental emission

TEST DISTANCE: 3 m
 EUT POSITION: Typical
 MODULATING SIGNAL: PRBS
 TRANSMITTER OUTPUT POWER SETTINGS: Maximum
 INVESTIGATED FREQUENCY RANGE: 0.009 – 100 000 MHz
 DETECTOR USED: Peak
 RESOLUTION BANDWIDTH: 1.0 kHz (9 kHz – 150 kHz)
 9.0 kHz (150 kHz – 30 MHz)
 120 kHz (30 MHz – 1000 MHz)
 1.0 MHz (above 1000 MHz)
 VIDEO BANDWIDTH: ≥ Resolution bandwidth
 TEST ANTENNA TYPE: Double ridged guide (above 1000 MHz)
Fundamental emission

Frequency, MHz	Antenna		Azimuth, degrees*	Peak field strength			Avr factor, dB	Average field strength			Verdict
	Pol.	Height, m		Measured, dB(µV/m)	Limit, dB(µV/m)	Margin, dB**		Measured, dB(µV/m)	Limit, dB(µV/m)	Margin, dB**	
Channel bandwidth 60 MHz											
24030.0	Vert	1.5	0	117.22	128.0	-10.78	0	103.45	108.0	-4.55	Pass
24050.0	Vert	1.5	0	117.46	128.0	-10.54	0	103.33	108.0	-4.67	
24200.0	Vert	1.5	0	116.87	128.0	-11.13	0	103.57	108.0	-4.43	
24220.0	Vert	1.5	0	117.00	128.0	-11.00	0	103.38	108.0	-4.62	
Modulation 2048 QAM											
24030.0	Vert	1.5	0	113.24	128.0	-14.76	0	103.28	108.0	-4.72	Pass
24050.0	Vert	1.5	0	113.18	128.0	-14.82	0	103.38	108.0	-4.62	
24200.0	Vert	1.5	0	113.99	128.0	-14.01	0	103.18	108.0	-4.82	
24220.0	Vert	1.5	0	113.84	128.0	-14.16	0	103.36	108.0	-4.64	
Modulation QPSK											
24030.0	Hor	1.5	0	115.62	128.0	-12.38	0	102.24	108.0	-5.76	Pass
24050.0	Hor	1.5	0	115.02	128.0	-12.98	0	101.82	108.0	-6.18	
24200.0	Hor	1.5	0	115.96	128.0	-12.04	0	102.46	108.0	-5.54	
24220.0	Hor	1.5	0	115.50	128.0	-12.5	0	101.88	108.0	-6.12	
Modulation 2048 QAM											
24030.0	Hor	1.5	0	113.36	128.0	-14.64	0	103.55	108.0	-4.45	Pass
24050.0	Hor	1.5	0	113.35	128.0	-14.65	0	103.44	108.0	-4.56	
24200.0	Hor	1.5	0	113.88	128.0	-14.12	0	103.58	108.0	-4.42	
24220.0	Hor	1.5	0	114.04	128.0	-13.96	0	103.65	108.0	-4.35	

Table 7.2.10 Average factor calculation

Transmission pulse		Transmission burst		Transmission train duration, ms	Average factor, dB
Duration, ms	Period, ms	Duration, ms	Period, ms		
NA	NA	NA	NA	NA	0

*- Average factor was calculated as follows

for pulse train shorter than 100 ms:

$$Average\ factor = 20 \times \log_{10} \left(\frac{Pulse\ duration}{Pulse\ period} \times \frac{Burst\ duration}{Train\ duration} \times Number\ of\ bursts\ within\ pulse\ train \right)$$



Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Table 7.2.11 Field strength of spurious emissions

TEST DISTANCE: 3 m
 EUT POSITION: Typical
 MODULATING SIGNAL: PRBS
 TRANSMITTER OUTPUT POWER SETTINGS: Maximum
 INVESTIGATED FREQUENCY RANGE: 0.009 – 100 000 MHz
 DETECTOR USED: Peak
 RESOLUTION BANDWIDTH: 1.0 kHz (9 kHz – 150 kHz)
 9.0 kHz (150 kHz – 30 MHz)
 120 kHz (30 MHz – 1000 MHz)
 1.0 MHz (above 1000 MHz)
 VIDEO BANDWIDTH: ≥ Resolution bandwidth
 TEST ANTENNA TYPE: Active loop (9 kHz – 30 MHz)
 Biconilog (30 MHz – 1000 MHz)
 Double ridged guide (above 1000 MHz)

Spurious emission

Frequency, MHz	Antenna		Azimuth, degrees*	Peak emission, dB(mV/m)	Quasi-peak			Verdict
	Pol.	Height, m			Measured emission, dB(mV/m)	Limit, dB(mV/m)	Margin, dB**	
32.0	V	1.0	0	33.1	28.2	40.0	-11.8	Pass
38.0	V	1.0	0	34.2	29.1	40.0	-10.9	
147.2	H	1.2	258	40.8	38.6	43.5	-4.9	
165.0	H	1.5	71	41.7	41.1	43.5	-2.4	
275.0	H	1.0	198	42.2	41.8	46.0	-4.2	
605.0	H	1.3	280	41.5	40.4	46.0	-5.6	
875.0	V	1.0	333	43.9	43.3	46.0	-2.7	

F, MHz	Antenna			Peak field strength			Avr factor, dB	Average field strength			Verdict
	Pol.	Height, m	Azimuth, degrees*	Measured, dB(µV/m)	Limit, dB(µV/m)	Margin, dB**		Measured, dB(µV/m)	Limit, dB(µV/m)	Margin, dB**	
1125	V	1.3	340	49.7	74.0	-24.3	0	46.1	54.0	-7.9	Pass
1625	H	1.6	251	41.6	74.0	-32.4	0	36.8	54.0	-17.2	
2000	V	1.3	104	43.6	74.0	-30.4	0	38.6	54.0	-15.4	
2125	V	1.3	104	42.3	74.0	-31.7	0	38.6	54.0	-15.4	
2500	H	1.4	57	44.8	74.0	-29.2	0	41.3	54.0	-12.7	
3330	H	1.5	194	41.7	74.0	-32.3	0	37.2	54.0	-16.8	

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

**- Margin, dB =Measured (calculated) value, dB(µV/m)-Limit, dB(µV/m).

Reference numbers of test equipment used

HL 0446	HL 0604	HL 0770	HL 0771	HL 0772	HL 1299	HL 1300	HL 2909
HL 3235	HL 3294	HL 3297	HL 3305	HL 3433	HL 3434	HL 3818	HL 4280
HL 4353	HL 4933	HL 4956	HL 5112				

Full description is given in Appendix A.



HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

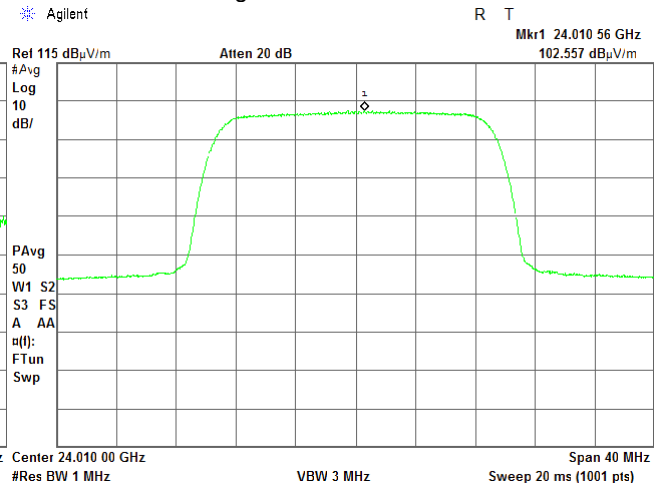
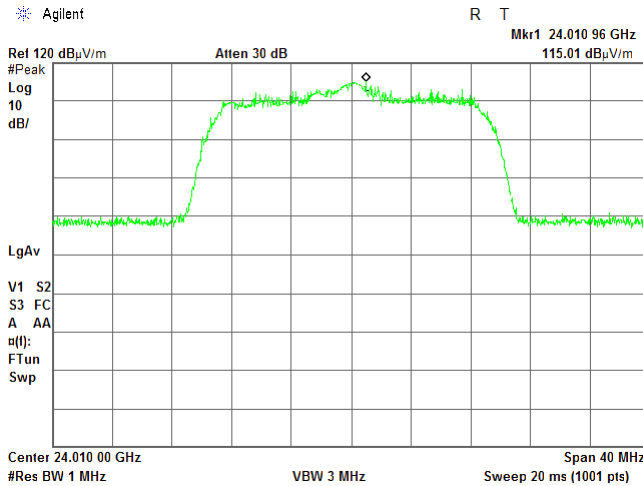
Plot 7.2.1 Radiated emission measurements at the fundamental frequency

TEST SITE:
 TEST DISTANCE:
 ANTENNA POLARIZATION:
 EUT POSITION:
 EUT CONFIGURATION:
 EMISSION BANDWIDTH:
 MODULATION:

OATS
 3 m
 Vertical
 Typical (Vertical)
 With splitter
 20 MHz
 QPSK

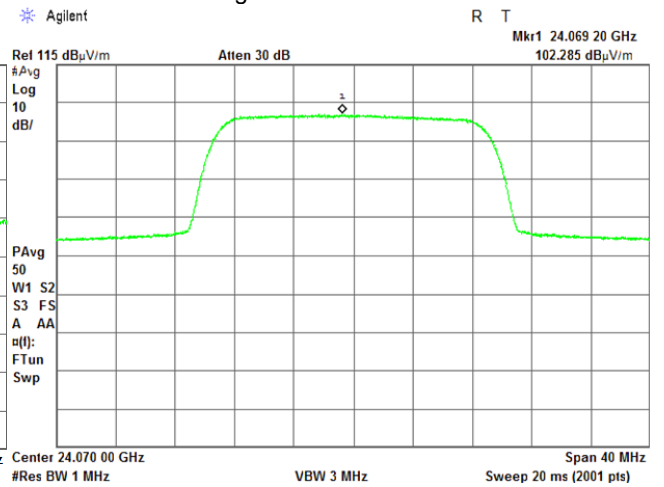
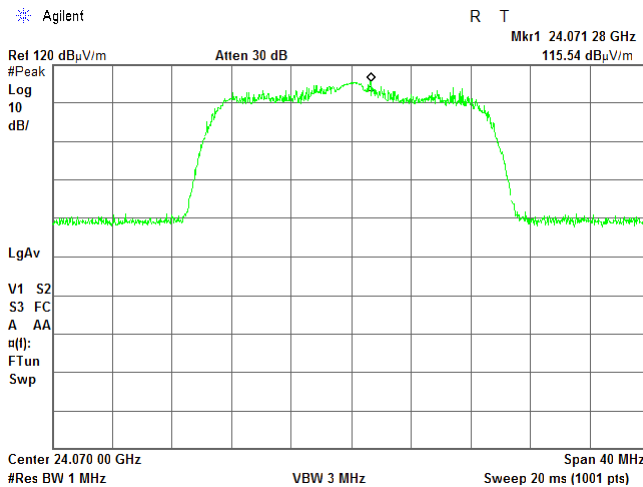
CARRIER FREQUENCY:
 DETECTOR: Peak

Low
 DETECTOR: Average



CARRIER FREQUENCY:
 DETECTOR: Peak

Mid
 DETECTOR: Average





HERMON LABORATORIES

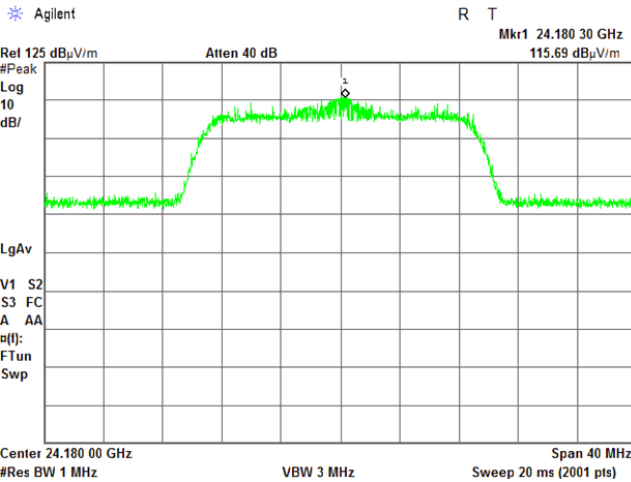
Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.2 Radiated emission measurements at the fundamental frequency

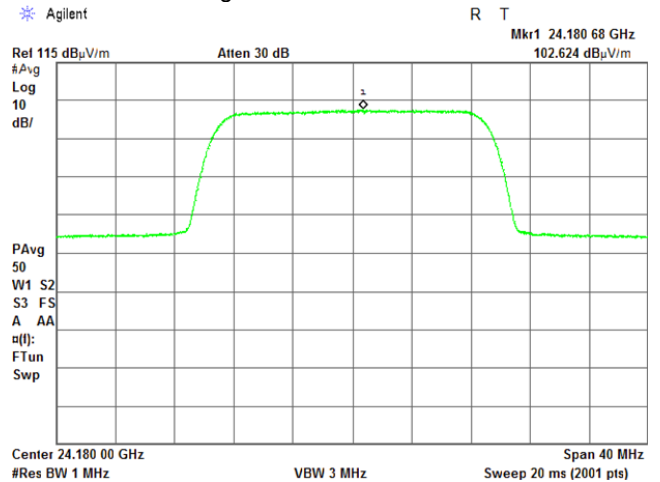
TEST SITE:
 TEST DISTANCE:
 ANTENNA POLARIZATION:
 EUT POSITION:
 EUT CONFIGURATION:
 EMISSION BANDWIDTH:
 MODULATION:

OATS
 3 m
 Vertical
 Typical (Vertical)
 With splitter
 20 MHz
 QPSK

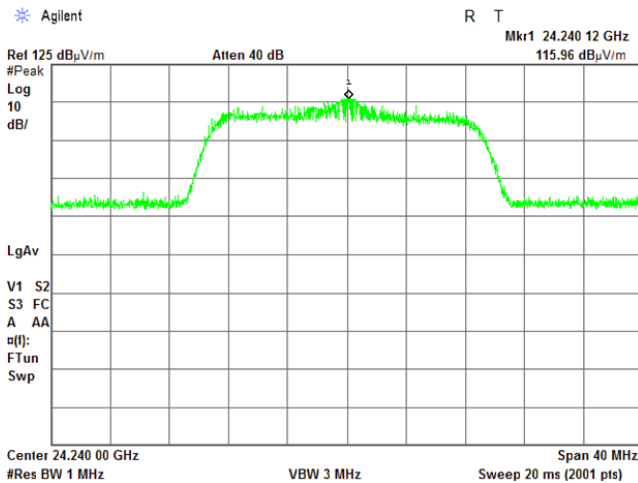
CARRIER FREQUENCY:
 DETECTOR: Peak



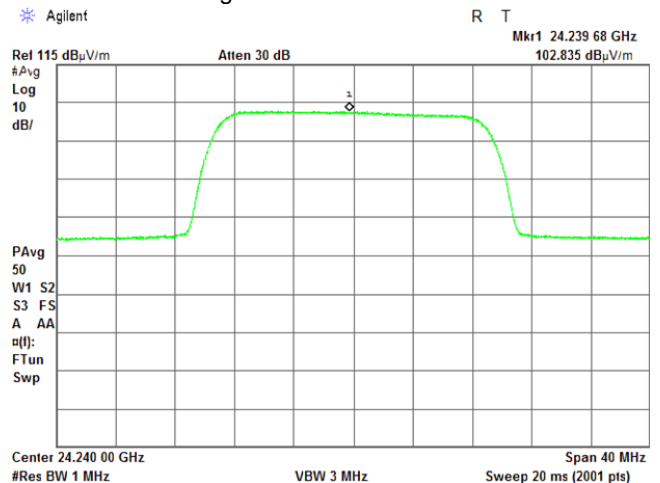
Mid
 DETECTOR: Average



CARRIER FREQUENCY:
 DETECTOR: Peak



High
 DETECTOR: Average





HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.3 Radiated emission measurements at the fundamental frequency

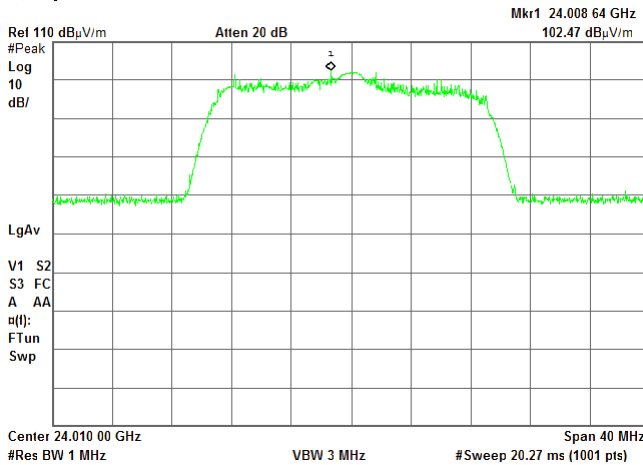
TEST SITE:
 TEST DISTANCE:
 ANTENNA POLARIZATION:
 EUT POSITION:
 EUT CONFIGURATION:
 EMISSION BANDWIDTH:
 MODULATION:

OATS
 3 m
 Horizontal
 Typical (Vertical)
 With splitter
 20 MHz
 QPSK

CARRIER FREQUENCY:
 DETECTOR: Peak

* Agilent

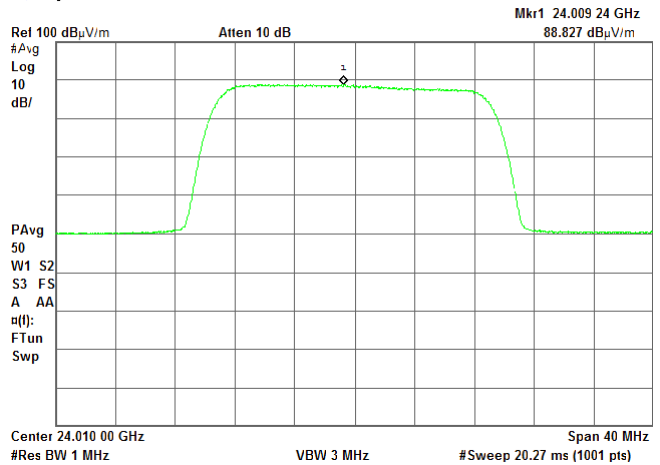
R T



Low
 DETECTOR: Average

* Agilent

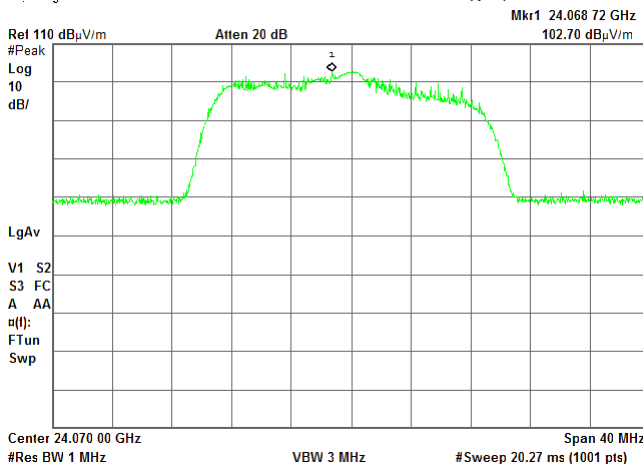
R T



CARRIER FREQUENCY:
 DETECTOR: Peak

* Agilent

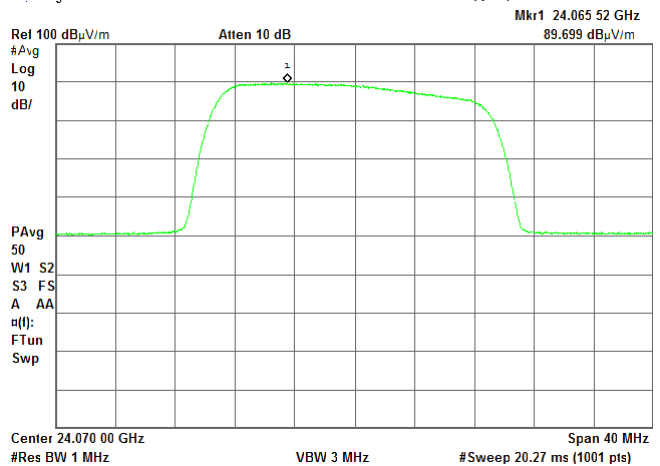
R T



Mid
 DETECTOR: Average

* Agilent

R T





HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.4 Radiated emission measurements at the fundamental frequency

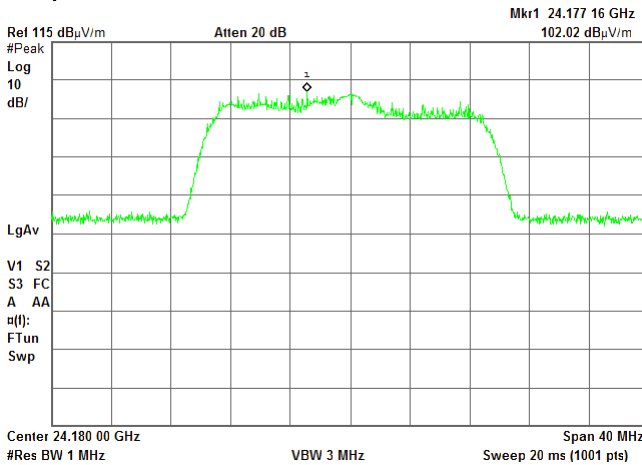
TEST SITE:
TEST DISTANCE:
ANTENNA POLARIZATION:
EUT POSITION:
EUT CONFIGURATION:
EMISSION BANDWIDTH:
MODULATION:

OATS
3 m
Horizontal
Typical (Vertical)
With splitter
20 MHz
QPSK

CARRIER FREQUENCY:
DETECTOR: Peak

* Agilent

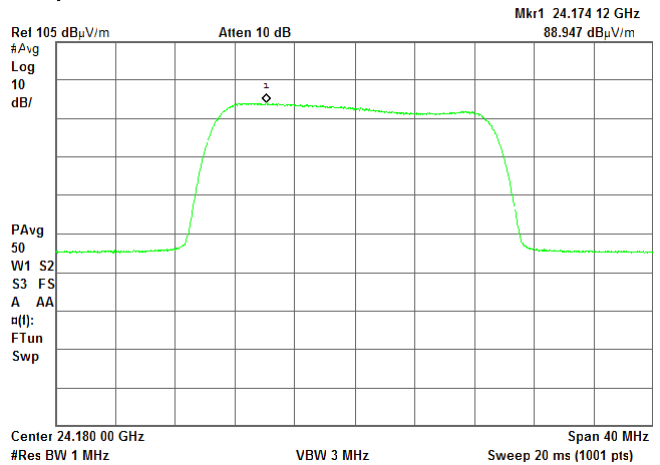
R T



Mid
DETECTOR: Average

* Agilent

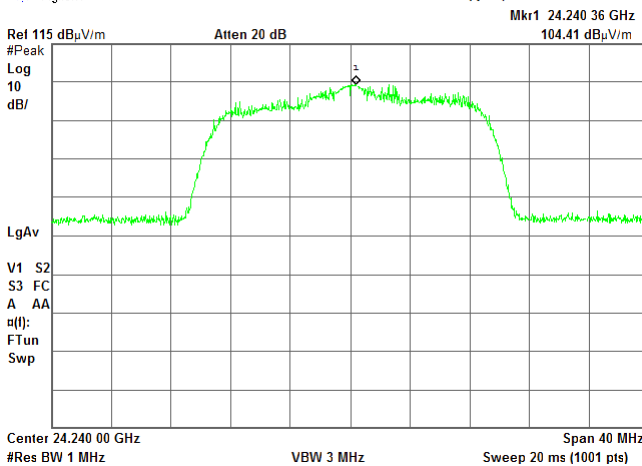
R T



CARRIER FREQUENCY:
DETECTOR: Peak

* Agilent

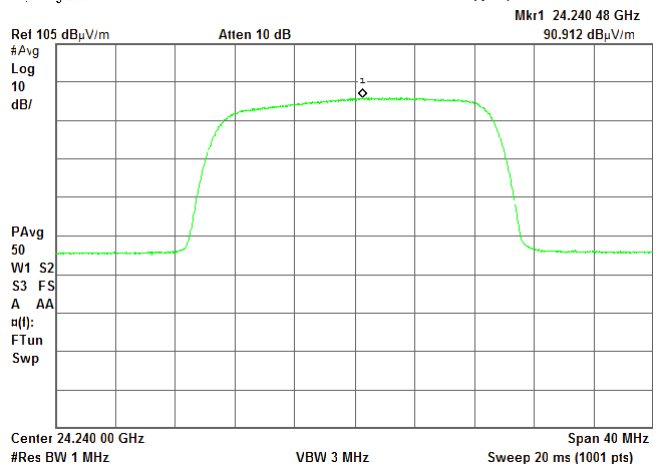
R T



High
DETECTOR: Average

* Agilent

R T



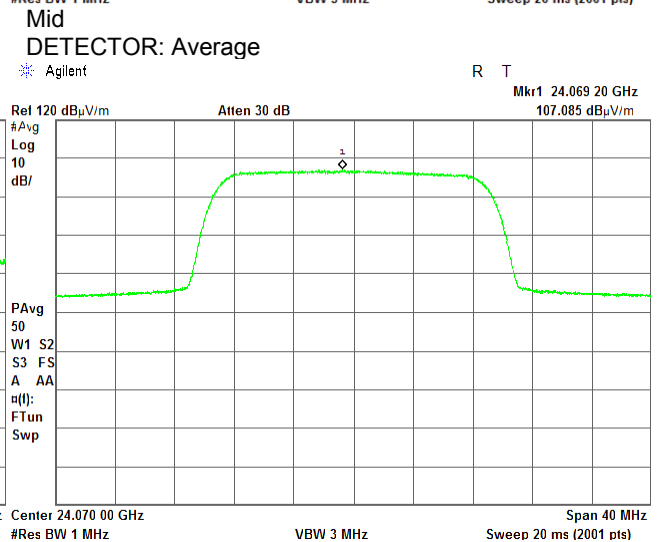
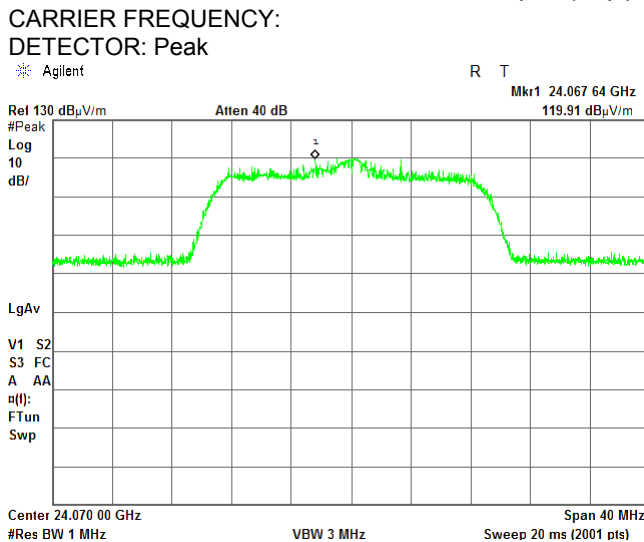
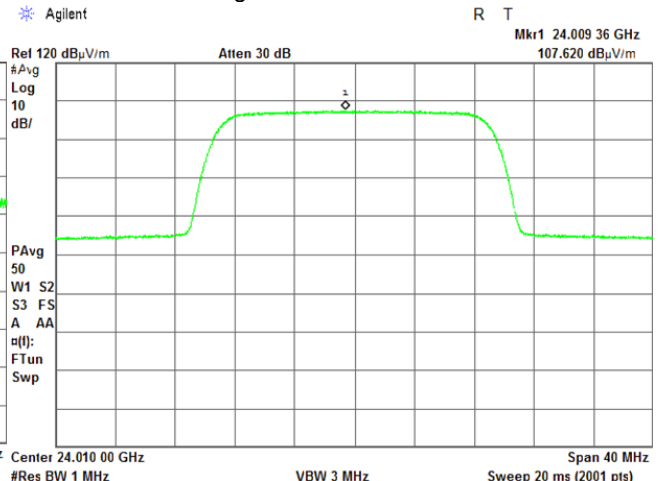
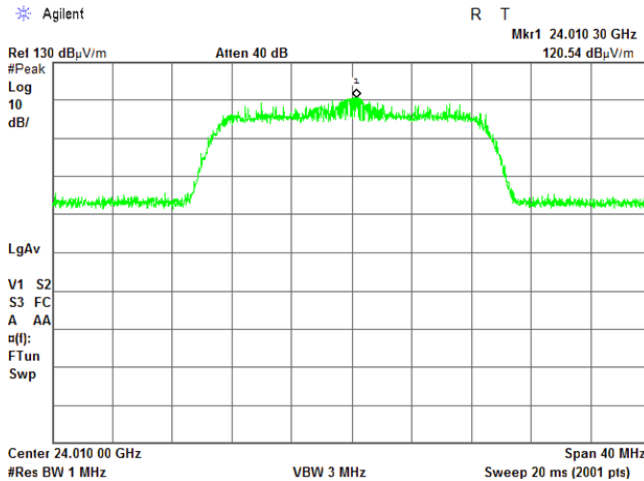


HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.5 Radiated emission measurements at the fundamental frequency

TEST SITE:	OATS
TEST DISTANCE:	3 m
ANTENNA POLARIZATION:	Vertical
EUT POSITION:	Typical (Vertical)
EMISSION BANDWIDTH:	20 MHz
MODULATION:	QPSK
CARRIER FREQUENCY:	Low
DETECTOR: Peak	DETECTOR: Average





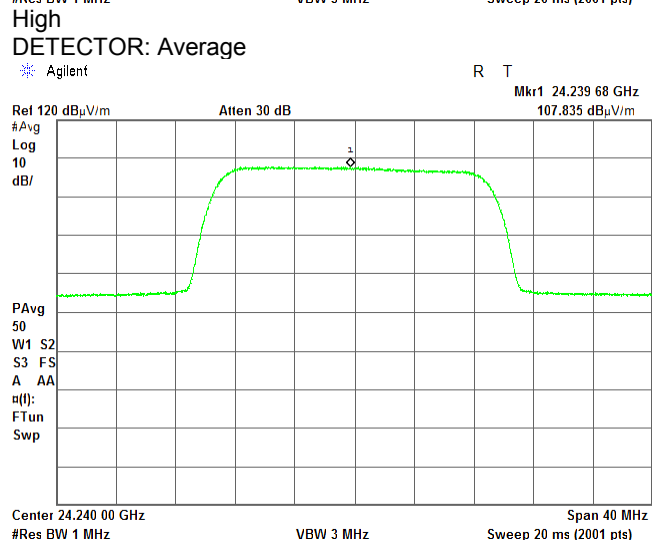
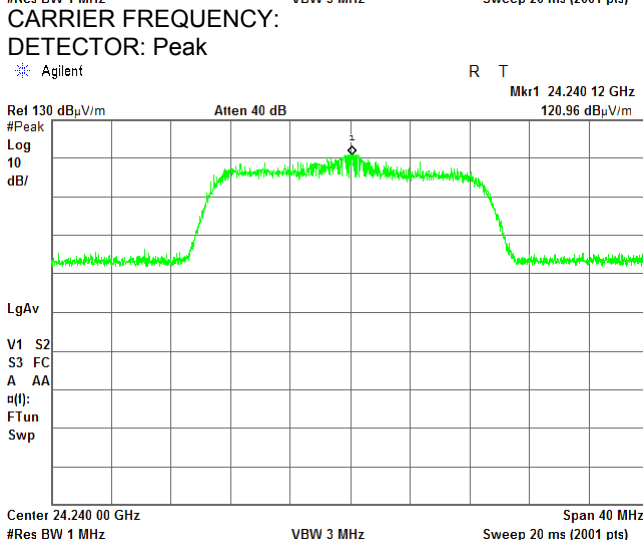
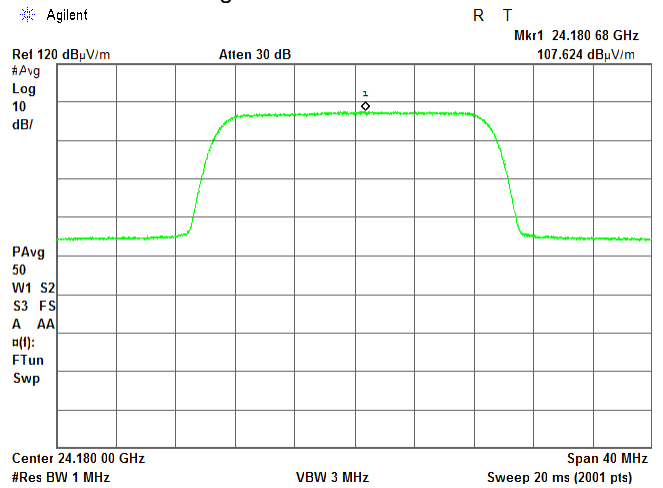
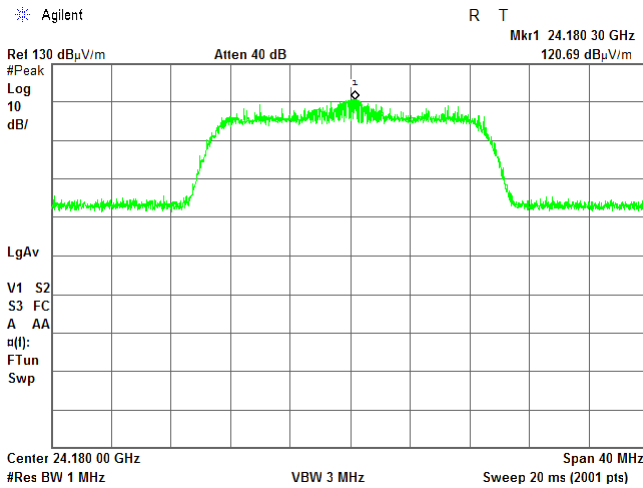
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.6 Radiated emission measurements at the fundamental frequency

TEST SITE:
TEST DISTANCE:
ANTENNA POLARIZATION:
EUT POSITION:
EMISSION BANDWIDTH:
MODULATION:
CARRIER FREQUENCY:
DETECTOR: Peak

OATS
3 m
Vertical
Typical (Vertical)
20 MHz
QPSK
Mid
DETECTOR: Average





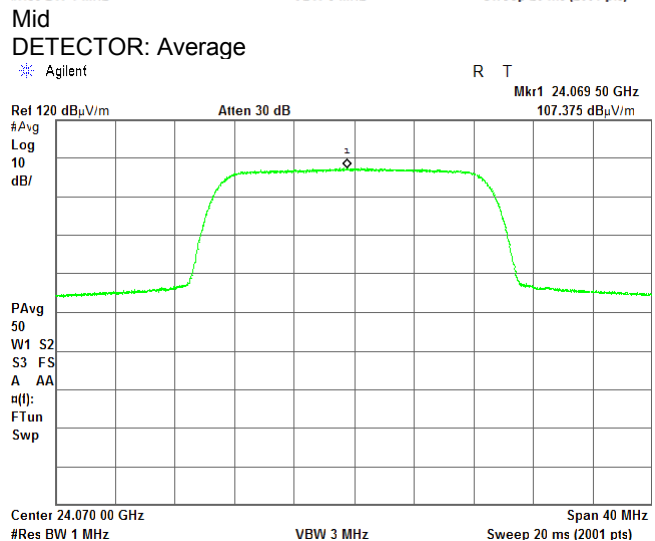
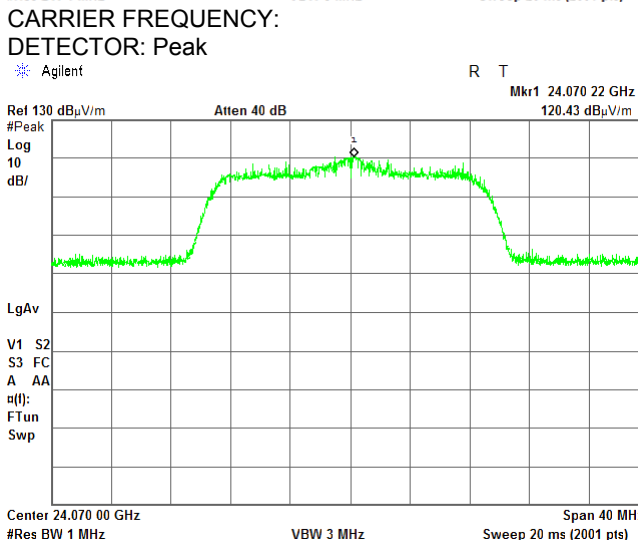
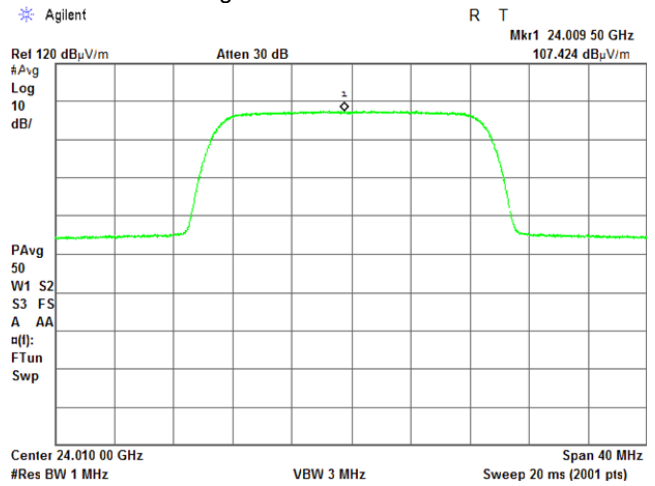
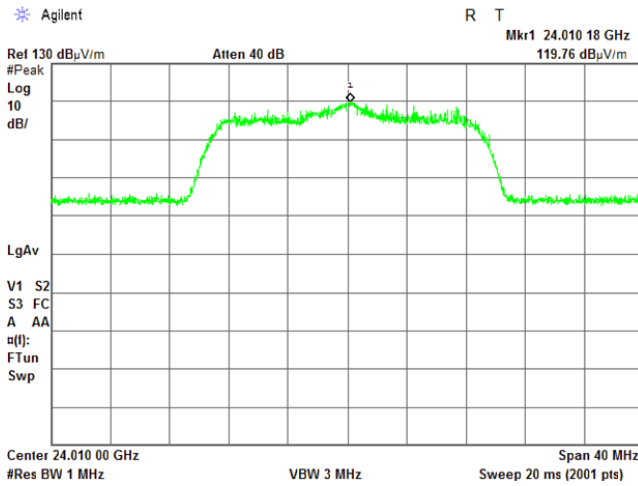
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.7 Radiated emission measurements at the fundamental frequency

TEST SITE:
 TEST DISTANCE:
 ANTENNA POLARIZATION:
 EUT POSITION:
 EMISSION BANDWIDTH:
 MODULATION:
 CARRIER FREQUENCY:
 DETECTOR: Peak

OATS
 3 m
 Horizontal
 Typical (Vertical)
 20 MHz
 QPSK
 Low
 DETECTOR: Average





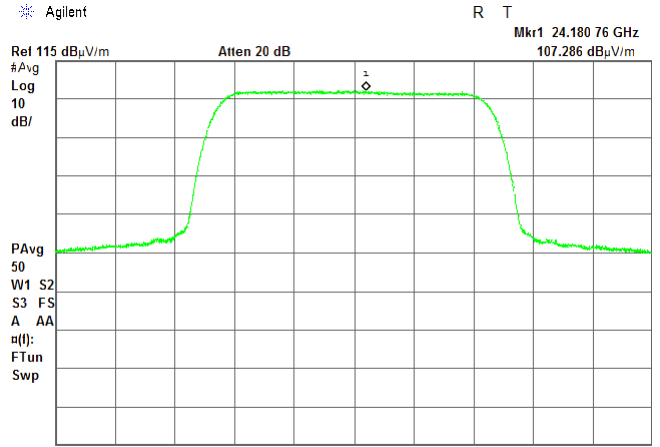
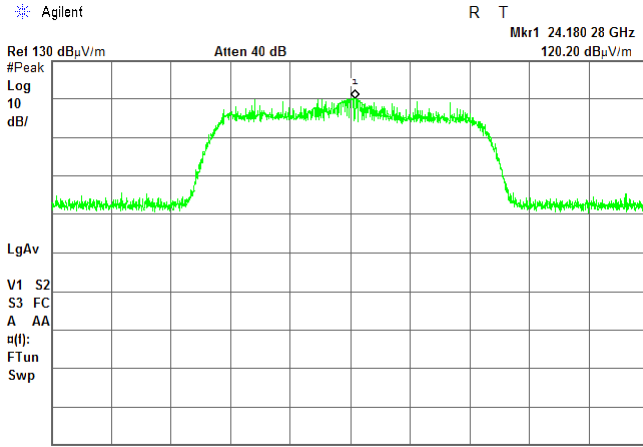
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.8 Radiated emission measurements at the fundamental frequency

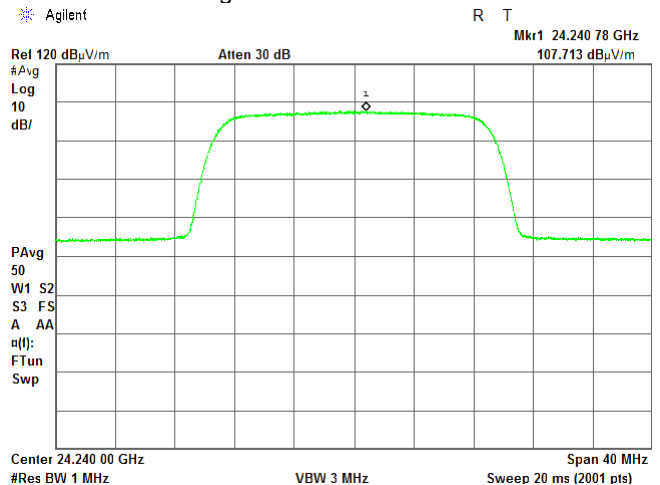
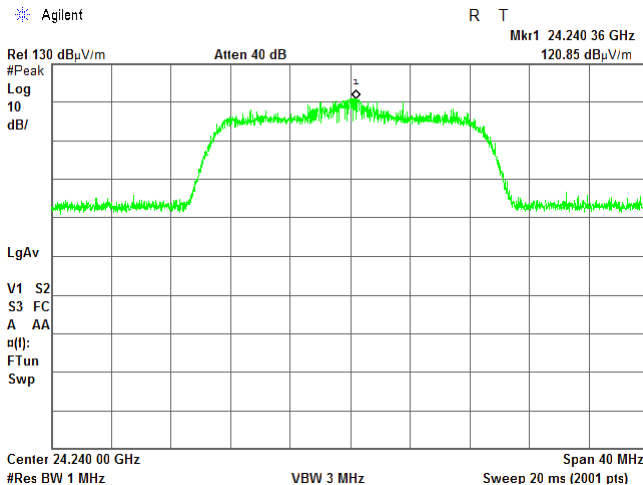
TEST SITE:
 TEST DISTANCE:
 ANTENNA POLARIZATION:
 EUT POSITION:
 EMISSION BANDWIDTH:
 MODULATION:
 CARRIER FREQUENCY:
 DETECTOR: Peak

OATS
 3 m
 Horizontal
 Typical (Vertical)
 20 MHz
 QPSK
 Mid
 DETECTOR: Average



Center 24.180 00 GHz
 #Res BW 1 MHz
 VBW 3 MHz
 Sweep 20 ms (2001 pts)
CARRIER FREQUENCY:
 DETECTOR: Peak

Center 24.180 00 GHz
 #Res BW 1 MHz
 VBW 3 MHz
 Sweep 20 ms (2001 pts)
High
 DETECTOR: Average



Center 24.240 00 GHz
 #Res BW 1 MHz
 VBW 3 MHz
 Sweep 20 ms (2001 pts)

Center 24.240 00 GHz
 #Res BW 1 MHz
 VBW 3 MHz
 Sweep 20 ms (2001 pts)



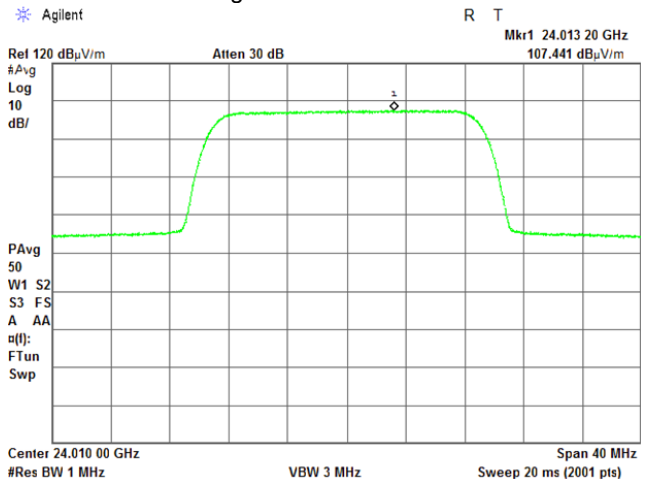
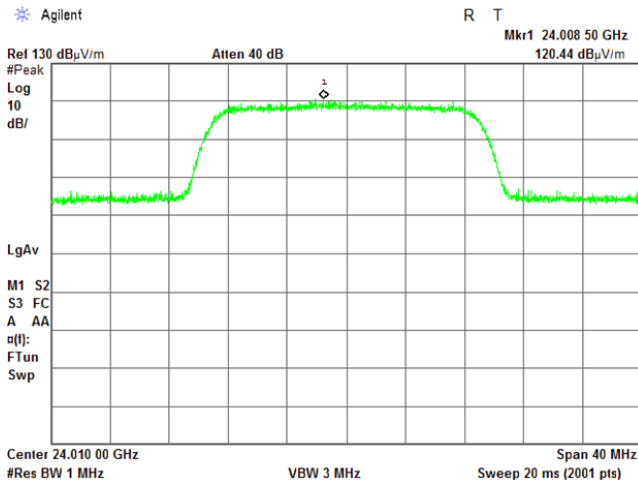
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.9 Radiated emission measurements at the fundamental frequency

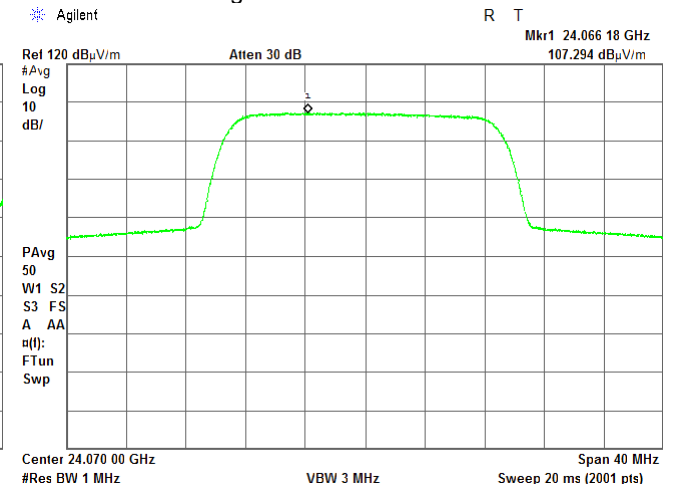
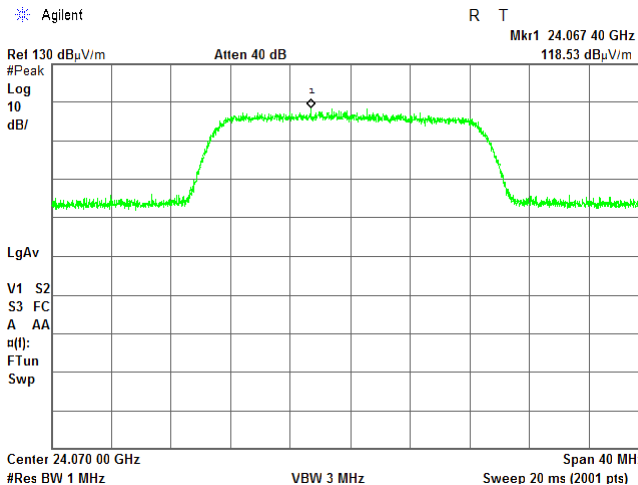
TEST SITE:
TEST DISTANCE:
ANTENNA POLARIZATION:
EUT POSITION:
EMISSION BANDWIDTH:
MODULATION:
CARRIER FREQUENCY:
DETECTOR: Peak

OATS
3 m
Vertical
Typical (Vertical)
20 MHz
2048QAM
Low
DETECTOR: Average



CARRIER FREQUENCY:
DETECTOR: Peak

Mid
DETECTOR: Average





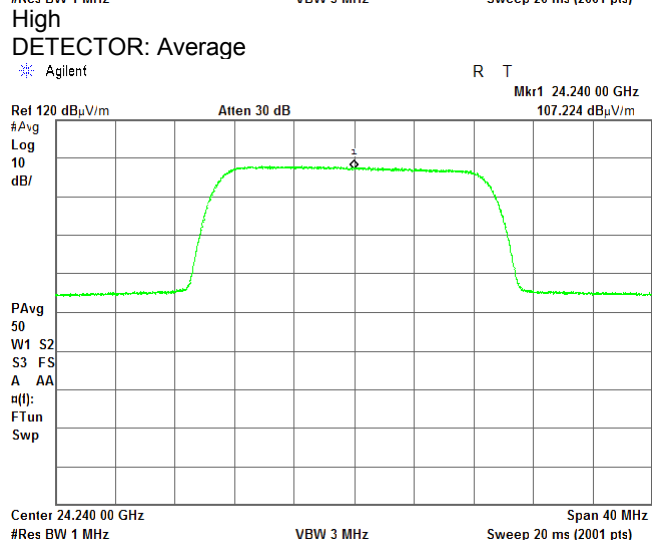
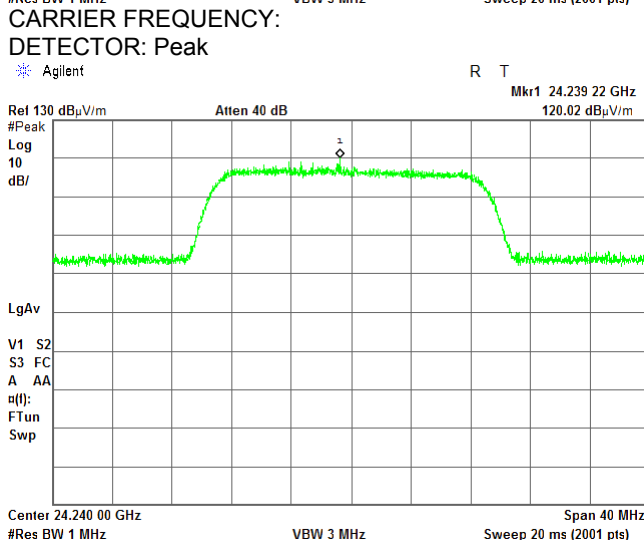
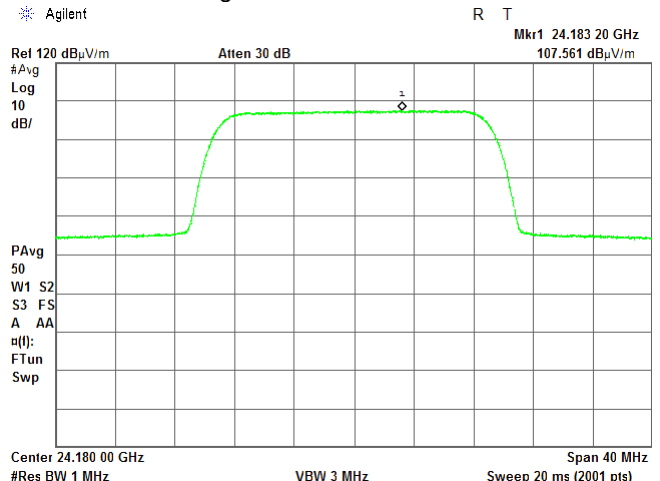
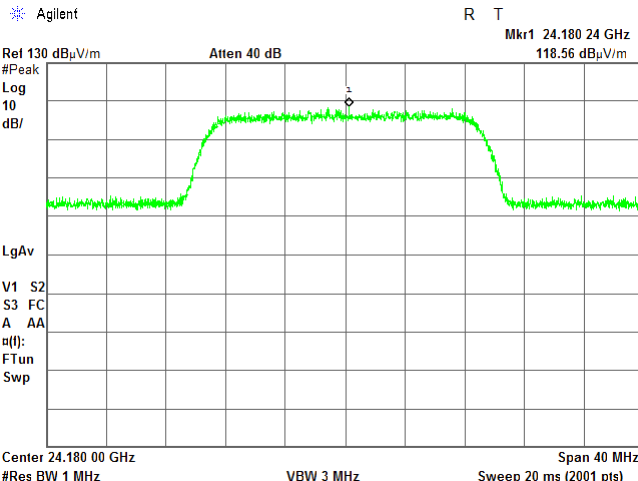
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.10 Radiated emission measurements at the fundamental frequency

TEST SITE:
 TEST DISTANCE:
 ANTENNA POLARIZATION:
 EUT POSITION:
 EMISSION BANDWIDTH:
 MODULATION:
 CARRIER FREQUENCY:
 DETECTOR: Peak

OATS
 3 m
 Vertical
 Typical (Vertical)
 20 MHz
 2048QAM
 Mid
 DETECTOR: Average





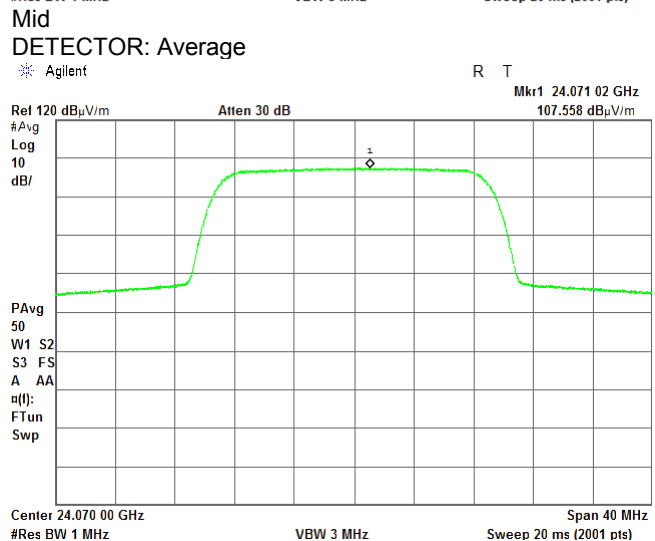
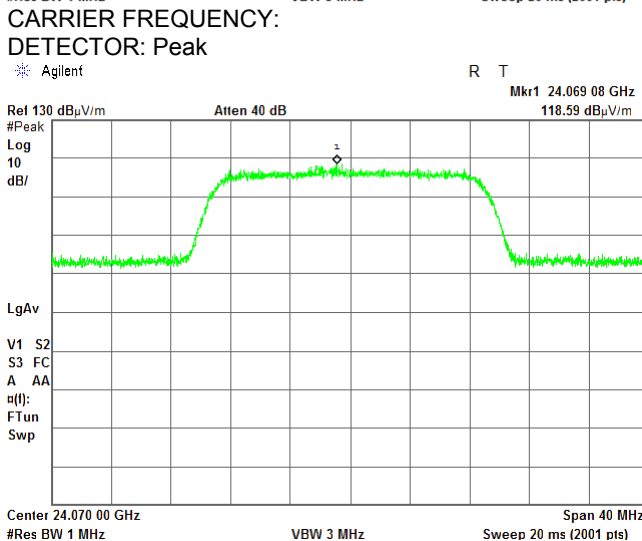
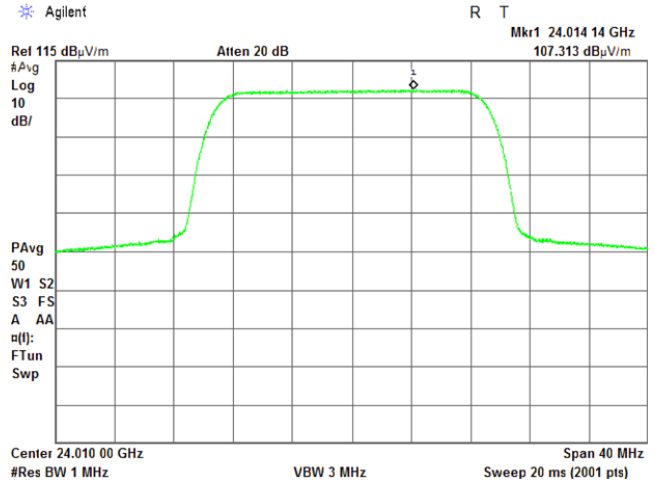
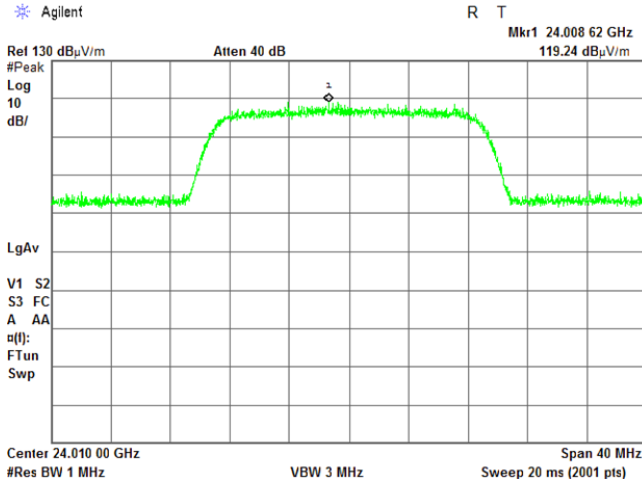
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.11 Radiated emission measurements at the fundamental frequency

TEST SITE:
TEST DISTANCE:
ANTENNA POLARIZATION:
EUT POSITION:
EMISSION BANDWIDTH:
MODULATION:
CARRIER FREQUENCY:
DETECTOR: Peak

OATS
3 m
Horizontal
Typical (Vertical)
20 MHz
2048QAM
Low
DETECTOR: Average





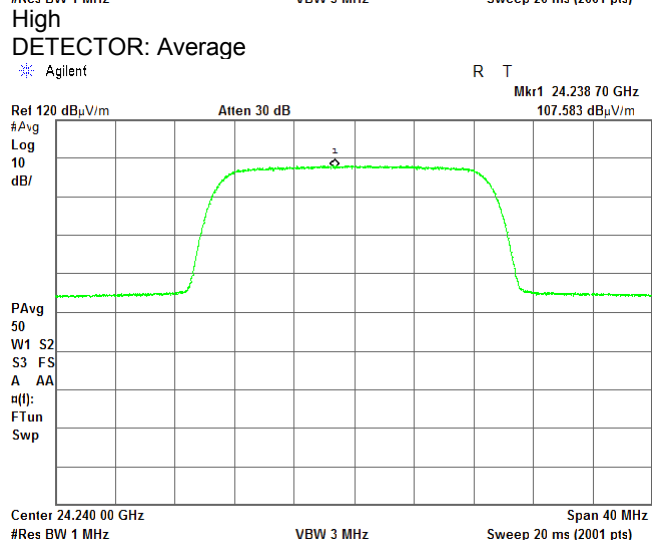
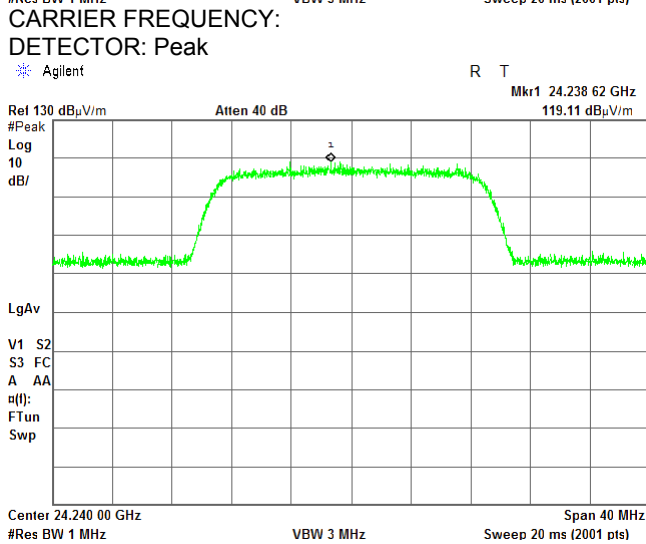
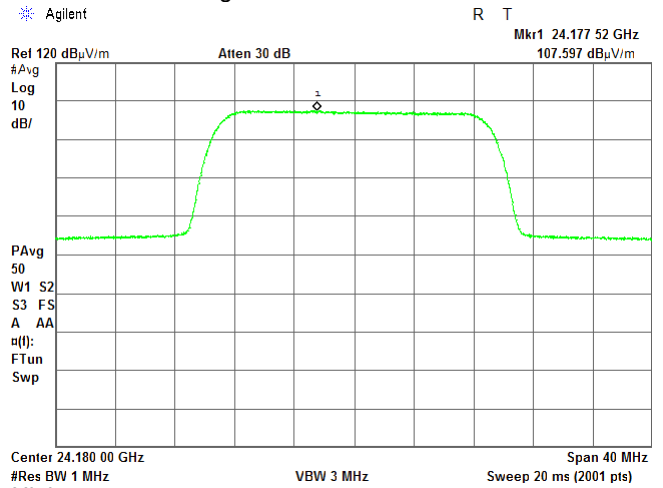
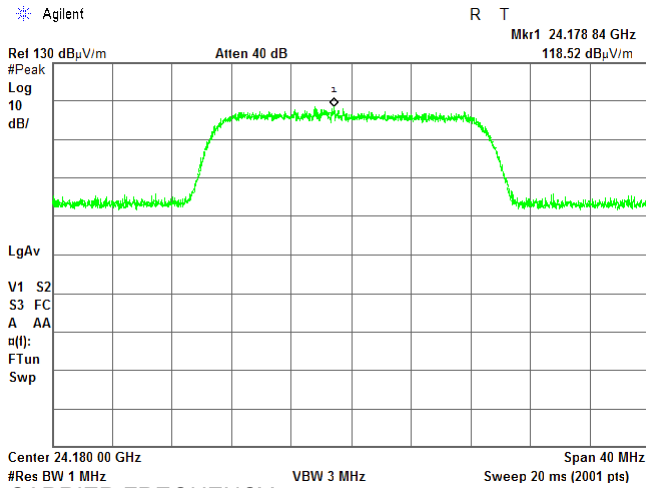
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.12 Radiated emission measurements at the fundamental frequency

TEST SITE:
 TEST DISTANCE:
 ANTENNA POLARIZATION:
 EUT POSITION:
 EMISSION BANDWIDTH:
 MODULATION:
 CARRIER FREQUENCY:
 DETECTOR: Peak

OATS
 3 m
 Horizontal
 Typical (Vertical)
 20 MHz
 2048QAM
 Mid
 DETECTOR: Average





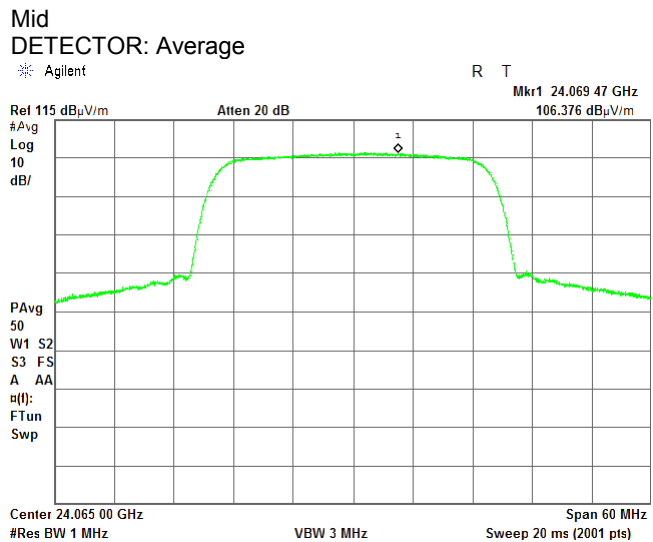
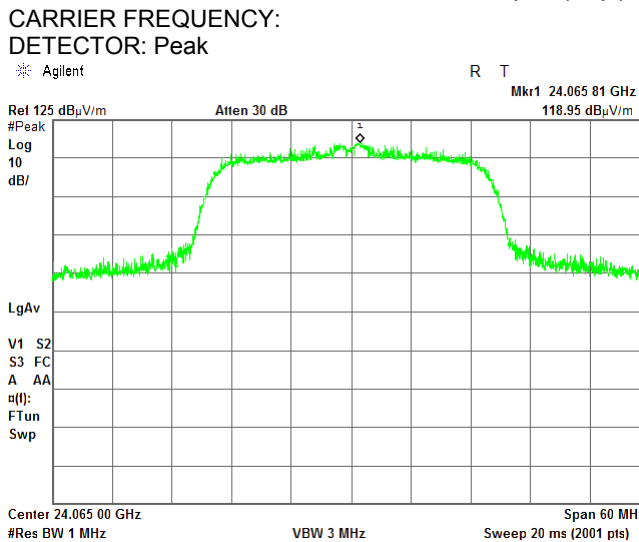
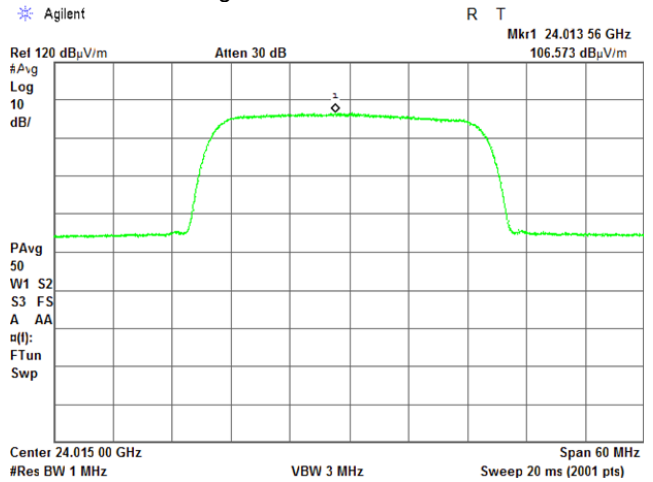
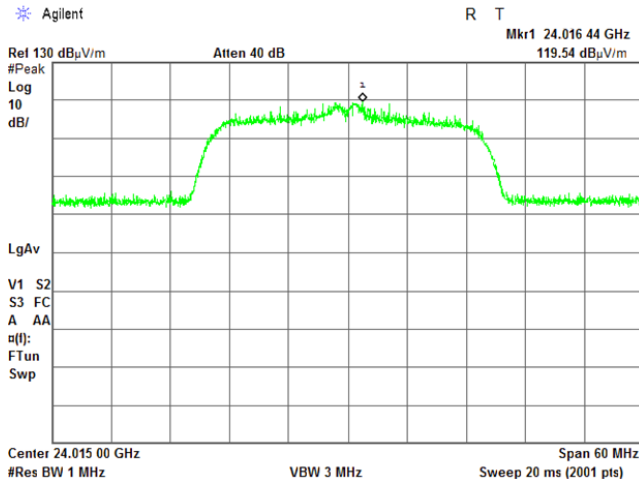
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.13 Radiated emission measurements at the fundamental frequency

TEST SITE:
 TEST DISTANCE:
 ANTENNA POLARIZATION:
 EUT POSITION:
 EMISSION BANDWIDTH:
 MODULATION:
 CARRIER FREQUENCY:
 DETECTOR: Peak

OATS
 3 m
 Vertical
 Typical (Vertical)
 30 MHz
 QPSK
 Low
 DETECTOR: Average





HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.14 Radiated emission measurements at the fundamental frequency

TEST SITE:

OATS

TEST DISTANCE:

3 m

ANTENNA POLARIZATION:

Vertical

EUT POSITION:

Typical (Vertical)

EMISSION BANDWIDTH:

30 MHz

MODULATION:

QPSK

CARRIER FREQUENCY:

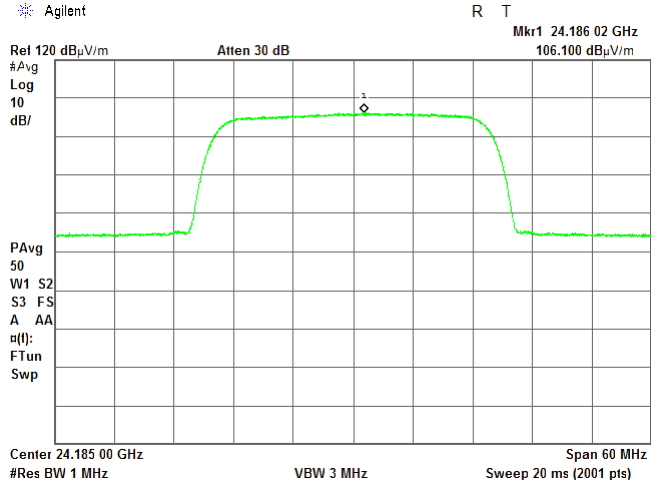
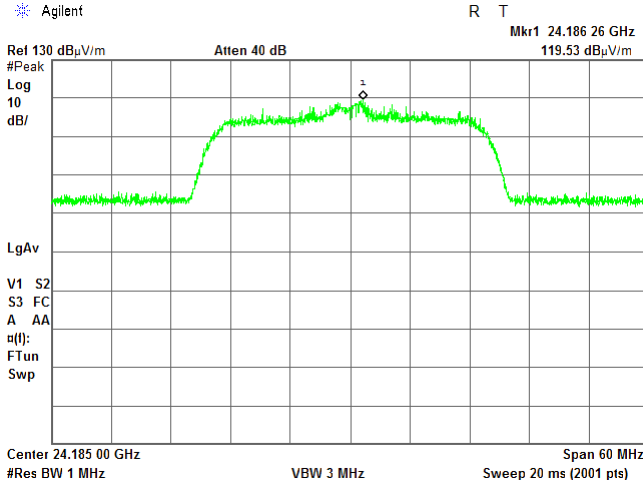
Mid

DETECTOR: Peak

DETECTOR: Average

* Agilent

* Agilent



CARRIER FREQUENCY:

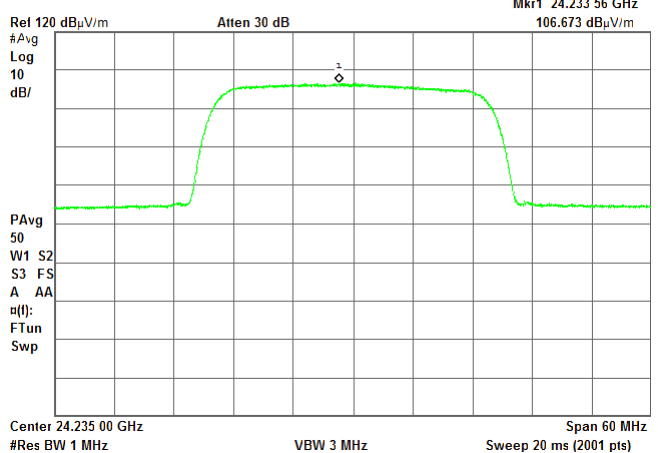
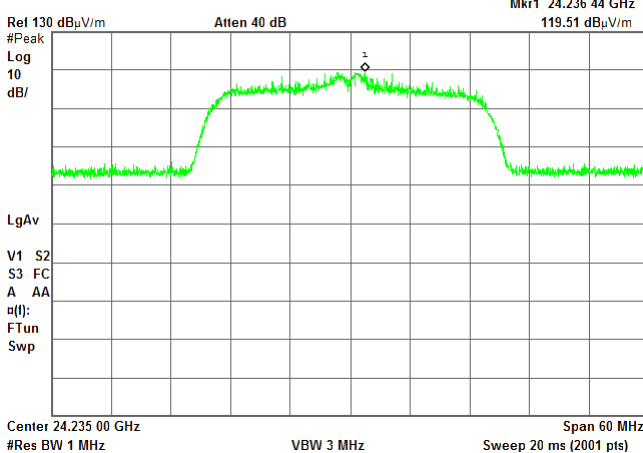
High

DETECTOR: Peak

DETECTOR: Average

* Agilent

* Agilent





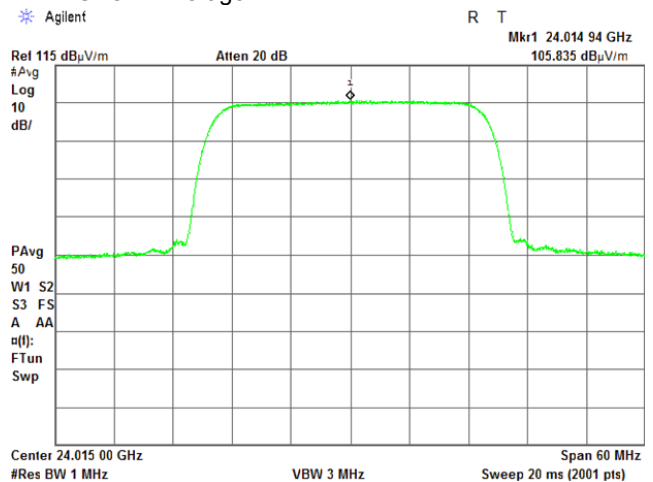
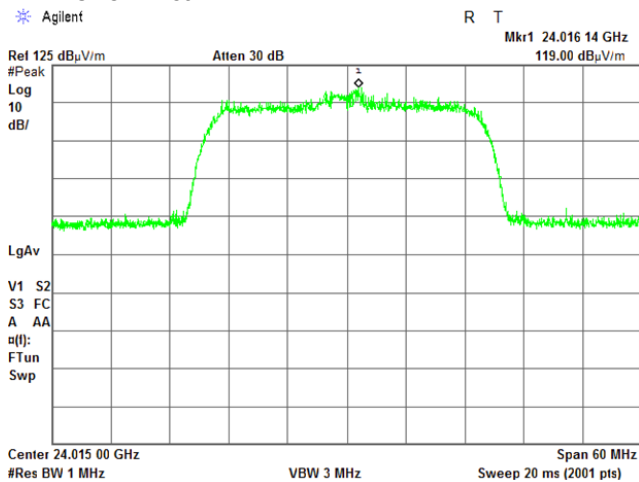
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.15 Radiated emission measurements at the fundamental frequency

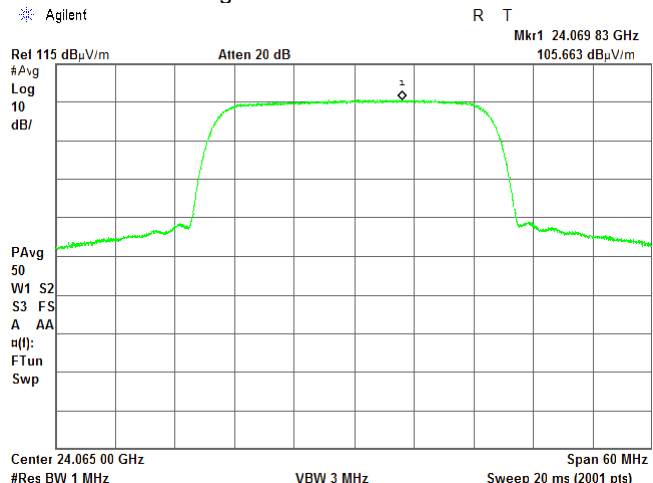
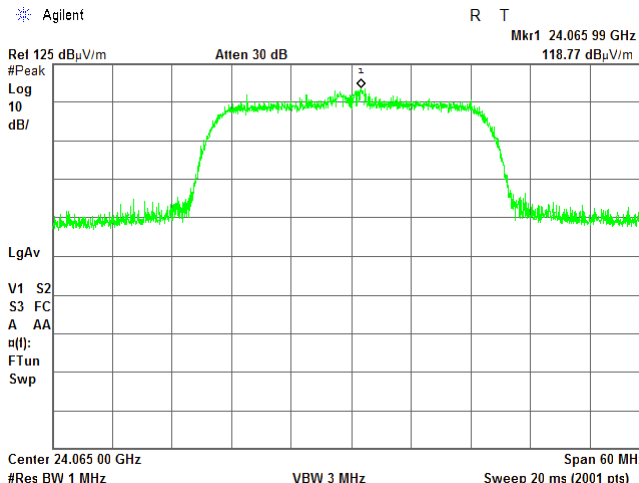
TEST SITE:
 TEST DISTANCE:
 ANTENNA POLARIZATION:
 EUT POSITION:
 EMISSION BANDWIDTH:
 MODULATION:
 CARRIER FREQUENCY:
 DETECTOR: Peak

OATS
 3 m
 Horizontal
 Typical (Vertical)
 30 MHz
 QPSK
 Low
 DETECTOR: Average



CARRIER FREQUENCY:
 DETECTOR: Peak

Mid
 DETECTOR: Average





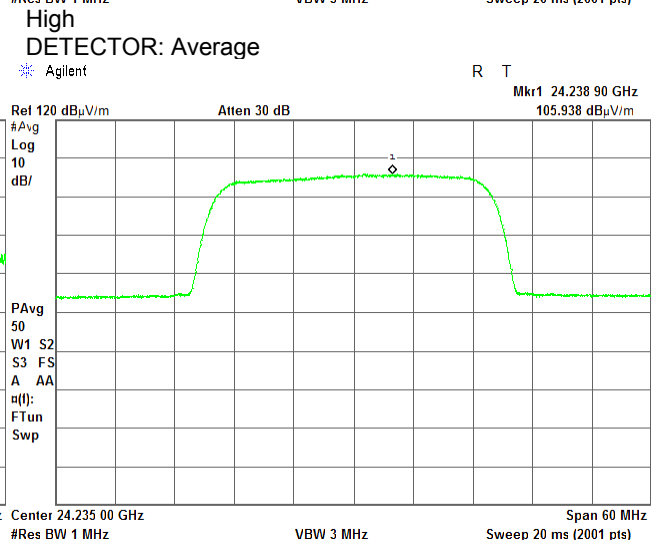
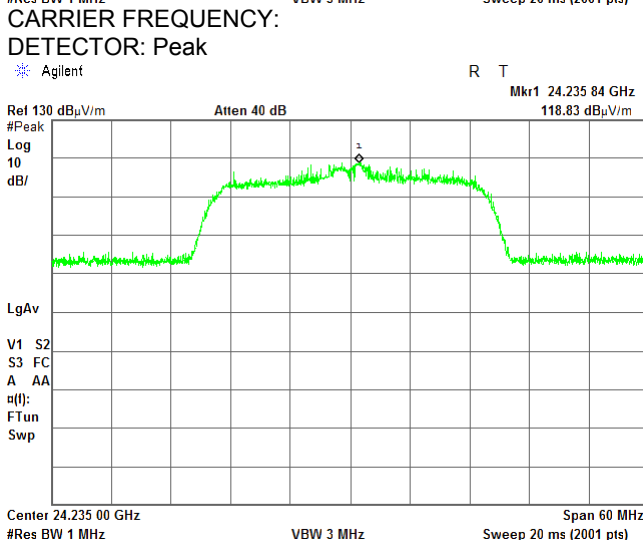
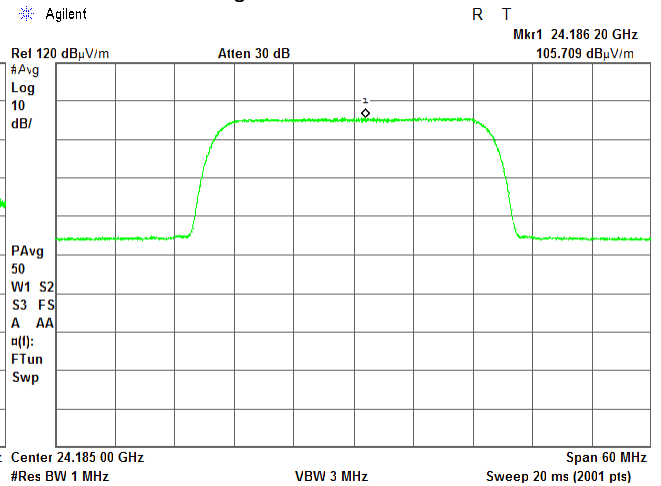
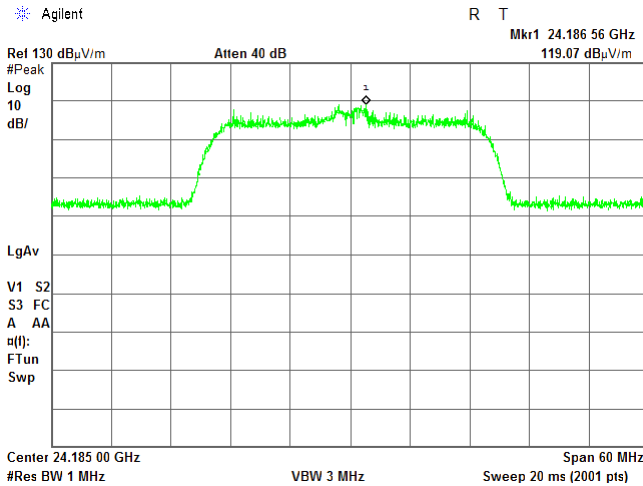
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.16 Radiated emission measurements at the fundamental frequency

TEST SITE:
 TEST DISTANCE:
 ANTENNA POLARIZATION:
 EUT POSITION:
 EMISSION BANDWIDTH:
 MODULATION:
 CARRIER FREQUENCY:
 DETECTOR: Peak

OATS
 3 m
 Horizontal
 Typical (Vertical)
 30 MHz
 QPSK
 Mid
 DETECTOR: Average





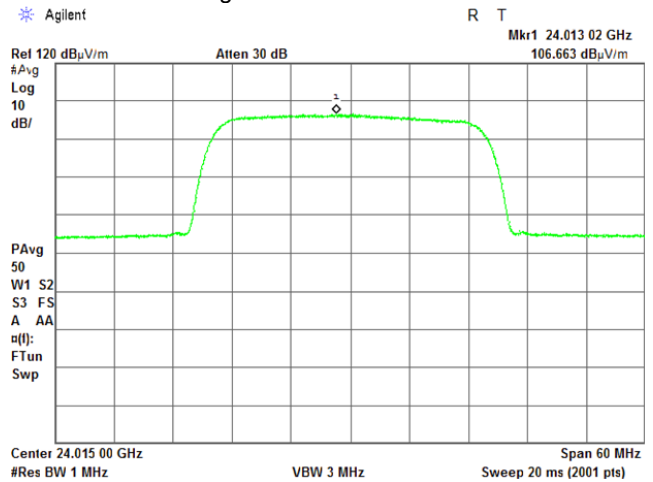
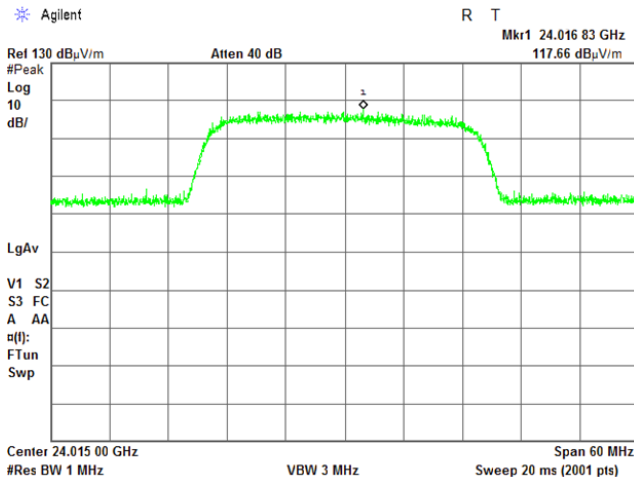
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.17 Radiated emission measurements at the fundamental frequency

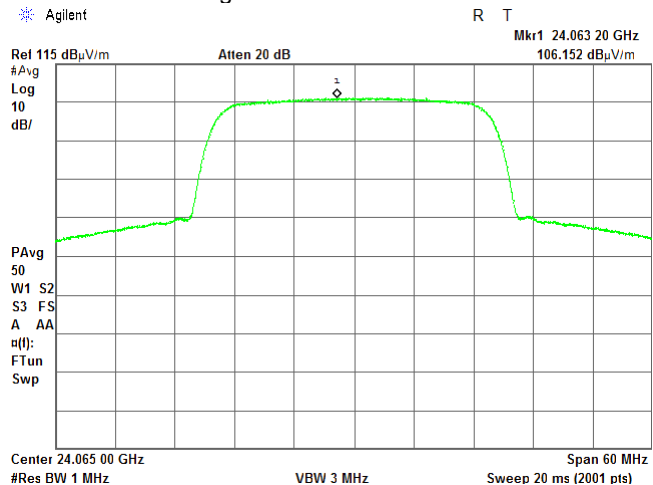
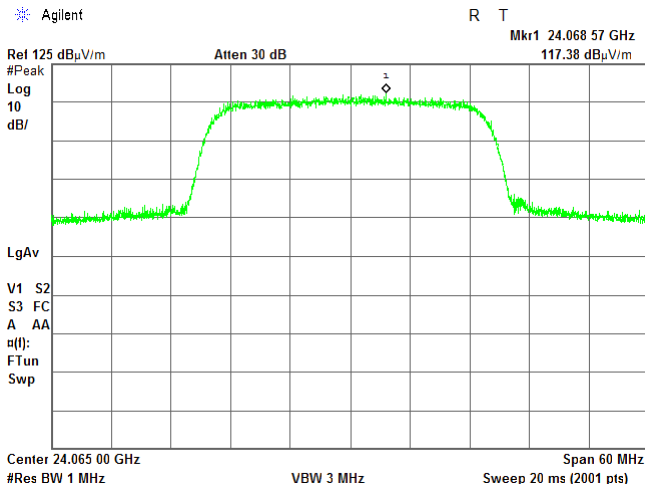
TEST SITE:
TEST DISTANCE:
ANTENNA POLARIZATION:
EUT POSITION:
EMISSION BANDWIDTH:
MODULATION:
CARRIER FREQUENCY:
DETECTOR: Peak

OATS
3 m
Vertical
Typical (Vertical)
30 MHz
2048QAM
Low
DETECTOR: Average



CARRIER FREQUENCY:
DETECTOR: Peak

Mid
DETECTOR: Average





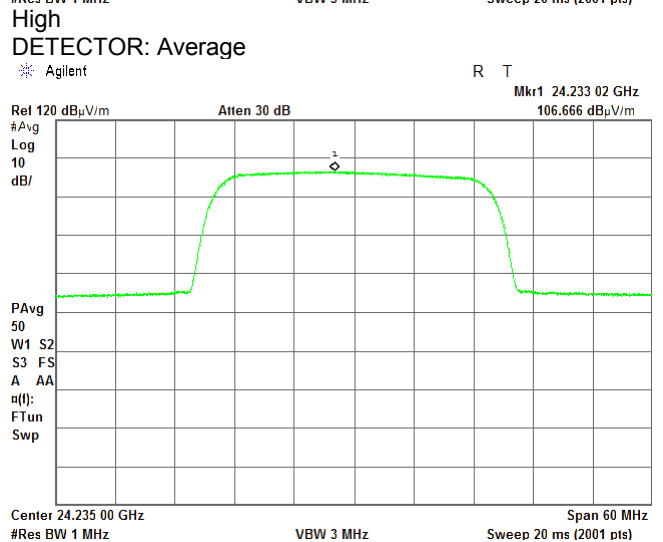
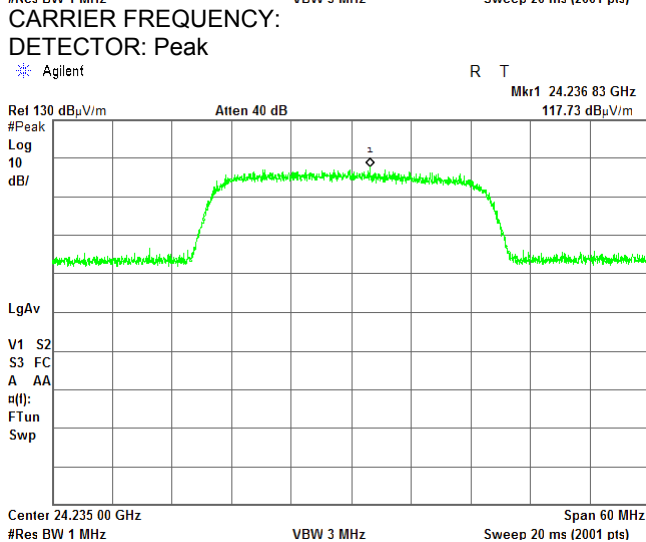
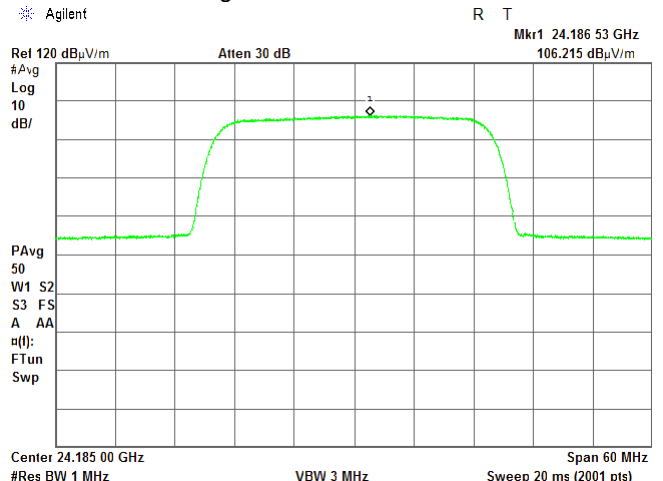
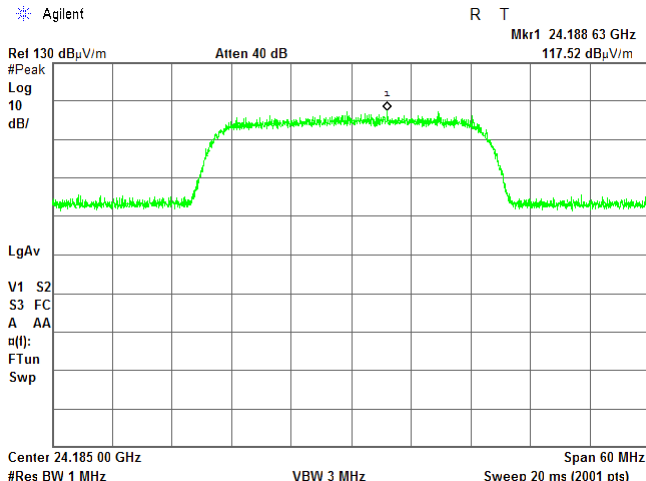
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.18 Radiated emission measurements at the fundamental frequency

TEST SITE:
 TEST DISTANCE:
 ANTENNA POLARIZATION:
 EUT POSITION:
 EMISSION BANDWIDTH:
 MODULATION:
 CARRIER FREQUENCY:
 DETECTOR: Peak

OATS
 3 m
 Vertical
 Typical (Vertical)
 30 MHz
 2048QAM
 Mid
 DETECTOR: Average





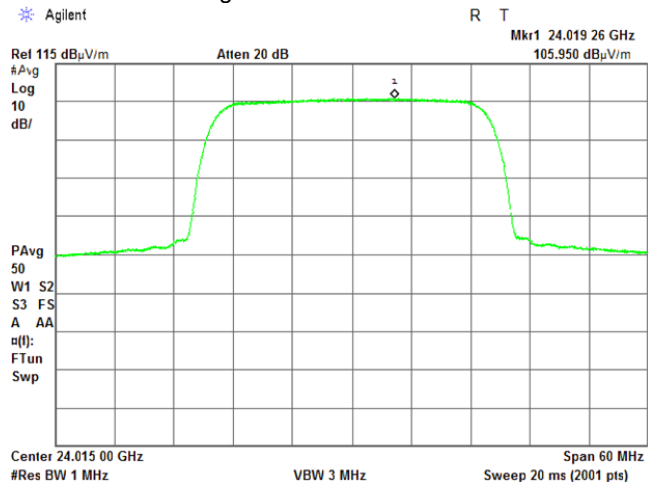
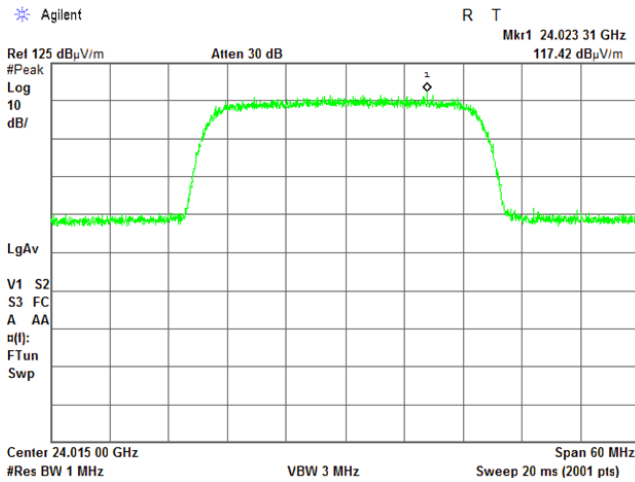
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.19 Radiated emission measurements at the fundamental frequency

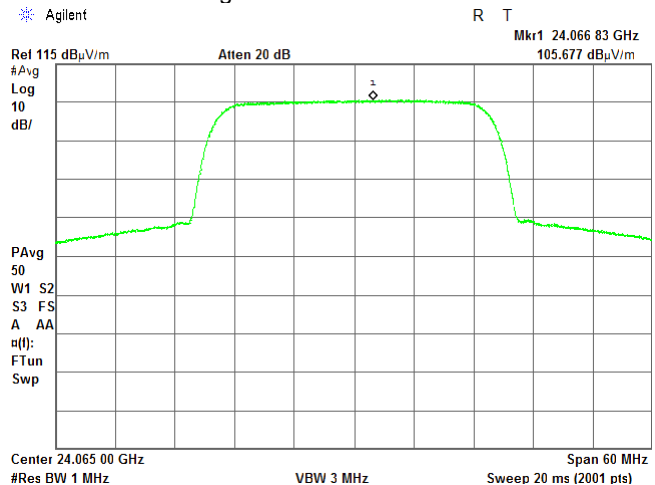
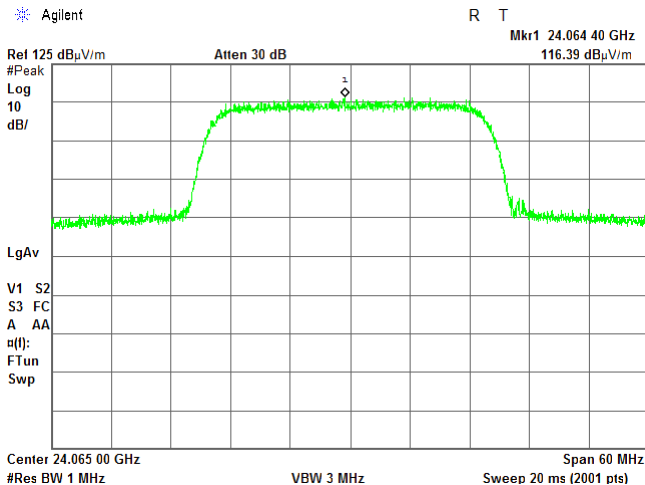
TEST SITE:
 TEST DISTANCE:
 ANTENNA POLARIZATION:
 EUT POSITION:
 EMISSION BANDWIDTH:
 MODULATION:
 CARRIER FREQUENCY:
 DETECTOR: Peak

OATS
 3 m
 Horizontal
 Typical (Vertical)
 30 MHz
 2048QAM
 Low
 DETECTOR: Average



CARRIER FREQUENCY:
 DETECTOR: Peak

Mid
 DETECTOR: Average





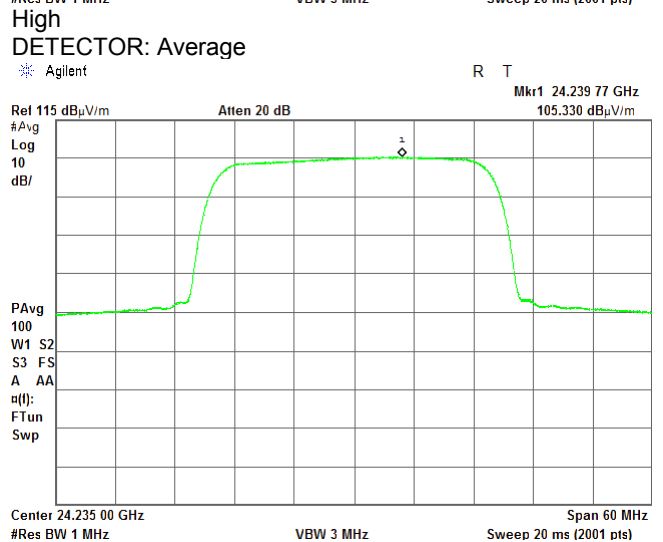
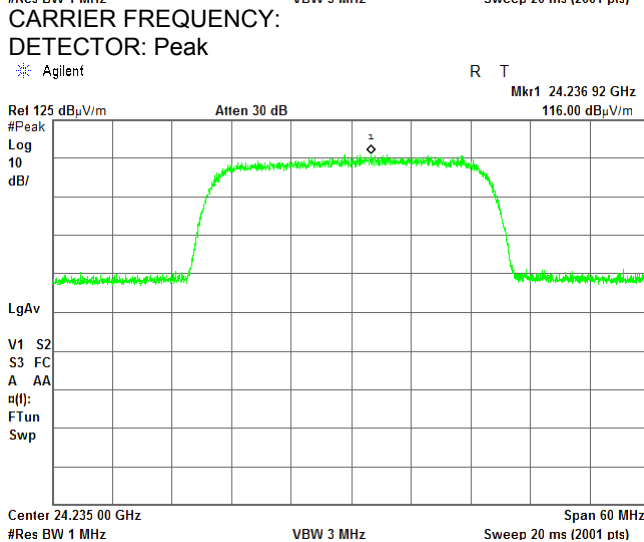
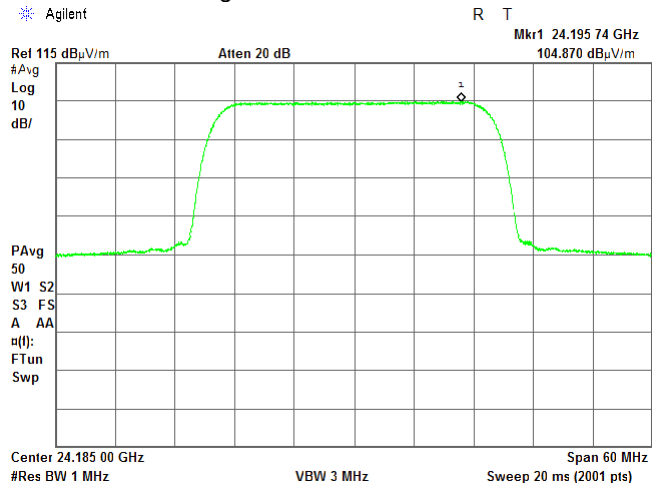
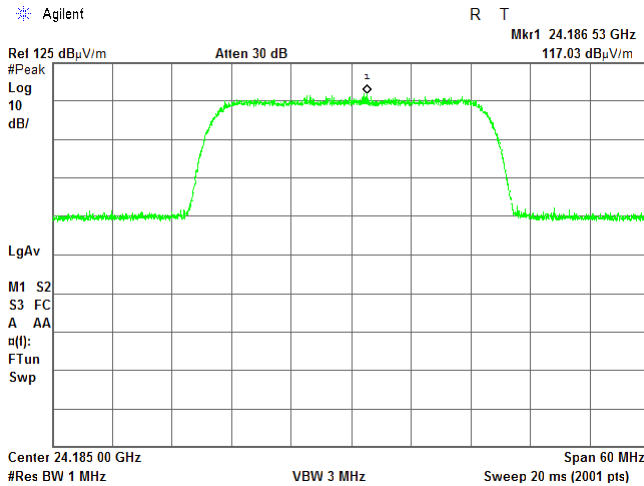
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.20 Radiated emission measurements at the fundamental frequency

TEST SITE:
 TEST DISTANCE:
 ANTENNA POLARIZATION:
 EUT POSITION:
 EMISSION BANDWIDTH:
 MODULATION:
 CARRIER FREQUENCY:
 DETECTOR: Peak

OATS
 3 m
 Horizontal
 Typical (Vertical)
 30 MHz
 2048QAM
 Mid
 DETECTOR: Average





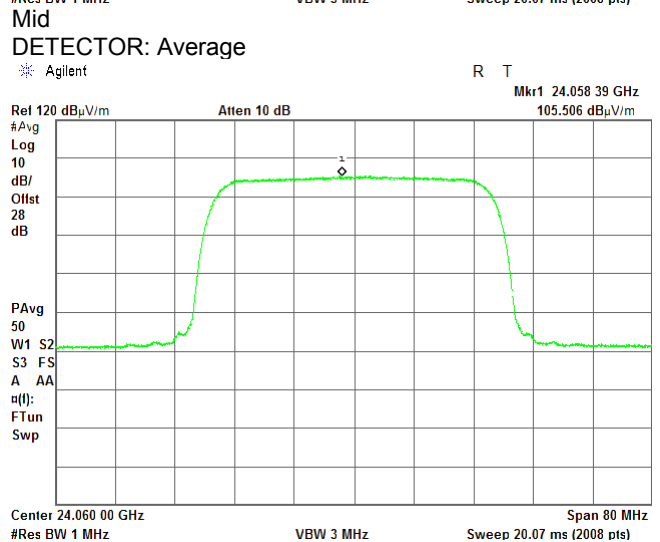
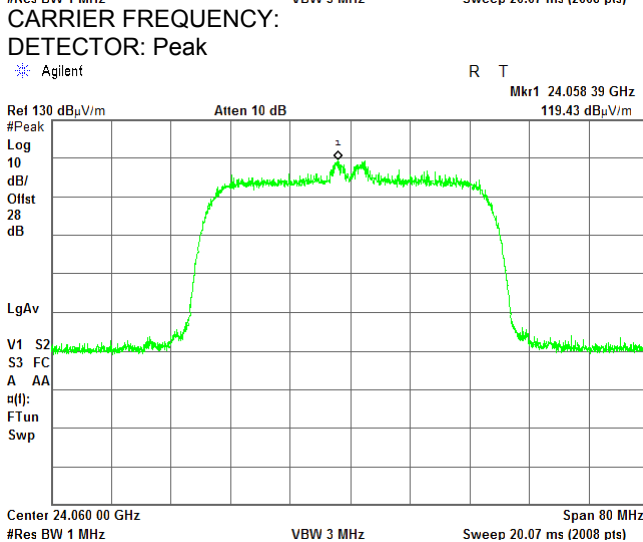
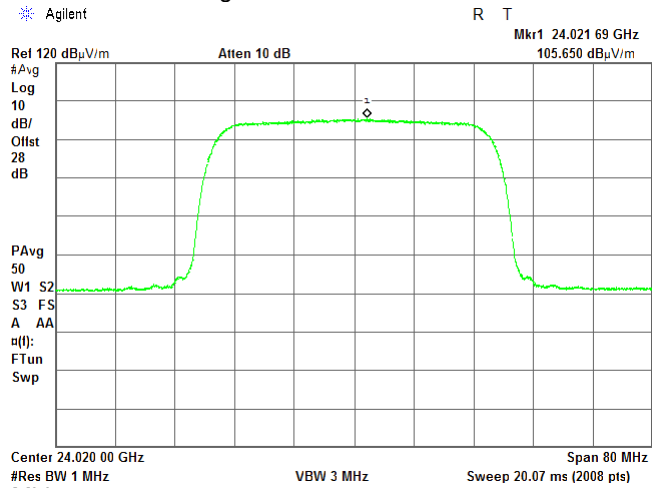
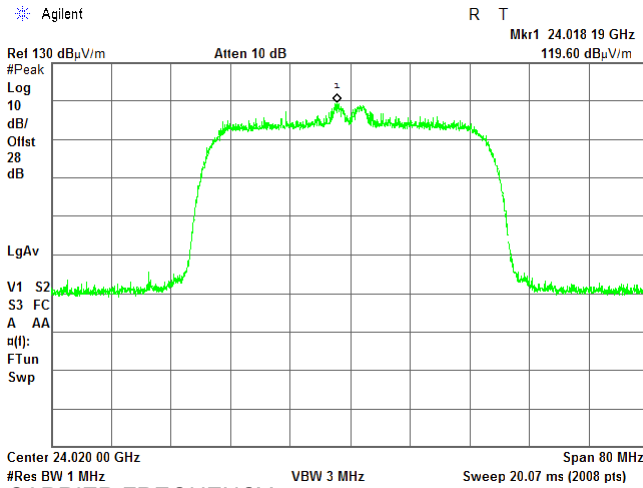
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.21 Radiated emission measurements at the fundamental frequency

TEST SITE:
 TEST DISTANCE:
 ANTENNA POLARIZATION:
 EUT POSITION:
 EMISSION BANDWIDTH:
 MODULATION:
 CARRIER FREQUENCY:
 DETECTOR: Peak

OATS
 3 m
 Vertical
 Typical (Vertical)
 40 MHz
 QPSK
 Low
 DETECTOR: Average





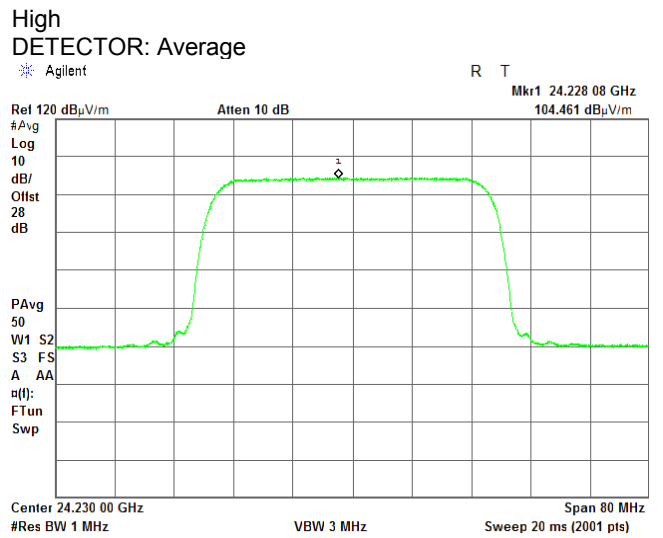
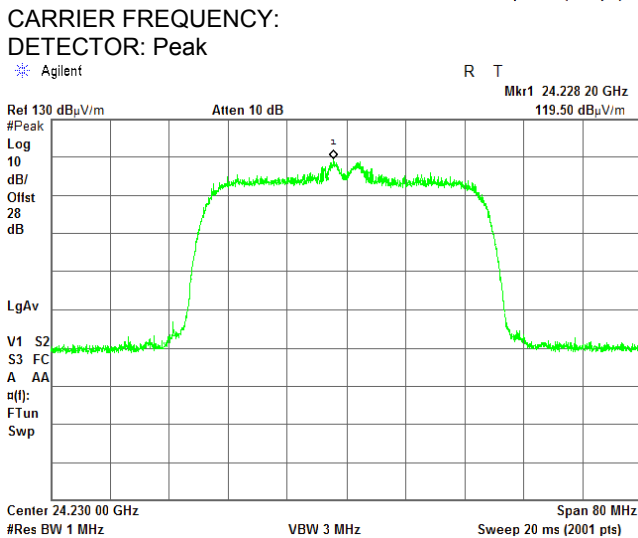
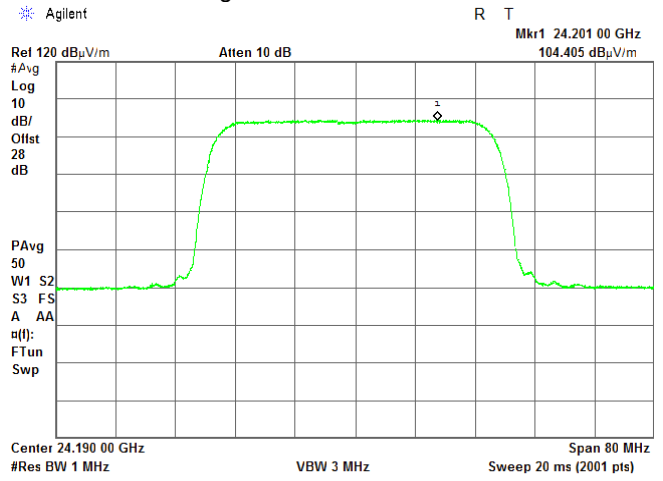
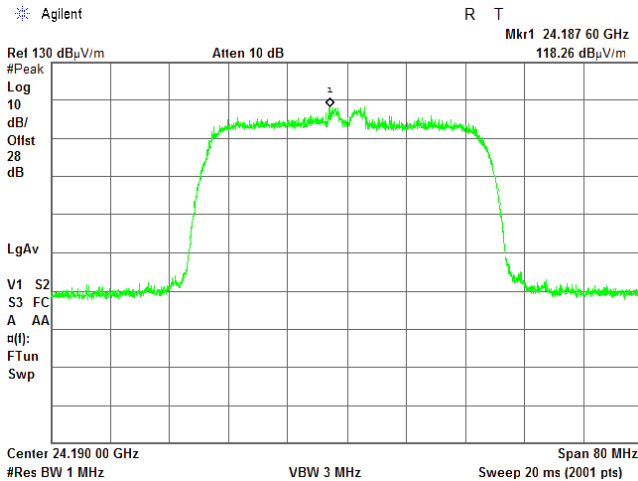
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.22 Radiated emission measurements at the fundamental frequency

TEST SITE:
 TEST DISTANCE:
 ANTENNA POLARIZATION:
 EUT POSITION:
 EMISSION BANDWIDTH:
 MODULATION:
 CARRIER FREQUENCY:
 DETECTOR: Peak

OATS
 3 m
 Vertical
 Typical (Vertical)
 40 MHz
 QPSK
 Mid
 DETECTOR: Average





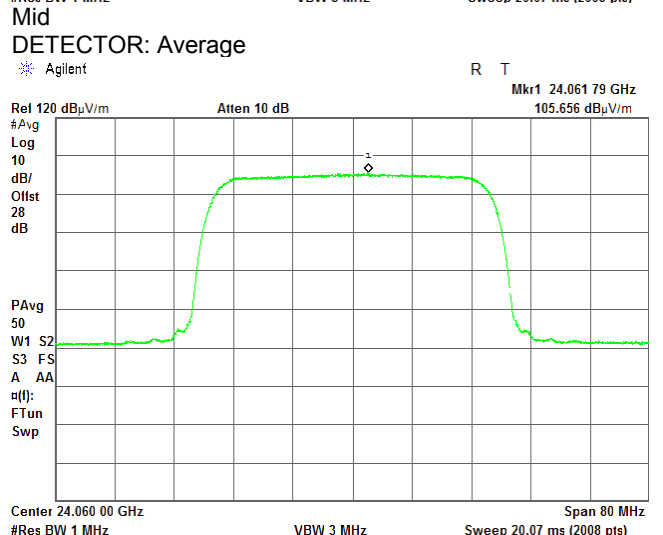
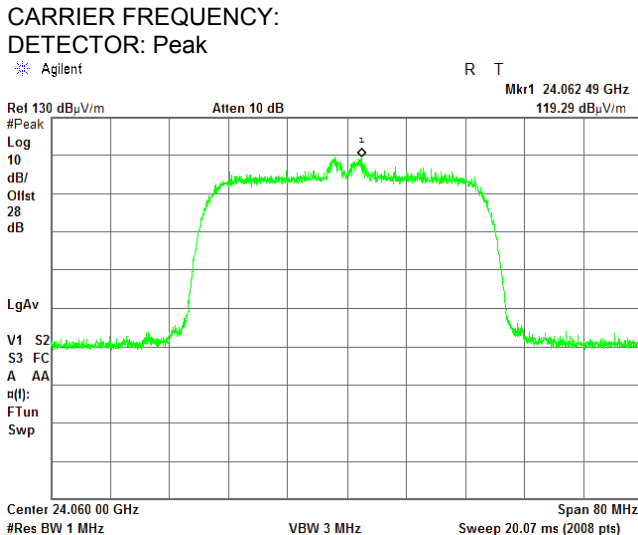
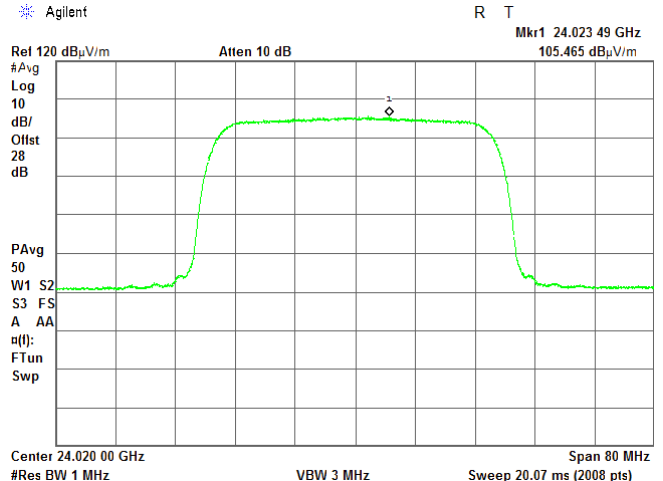
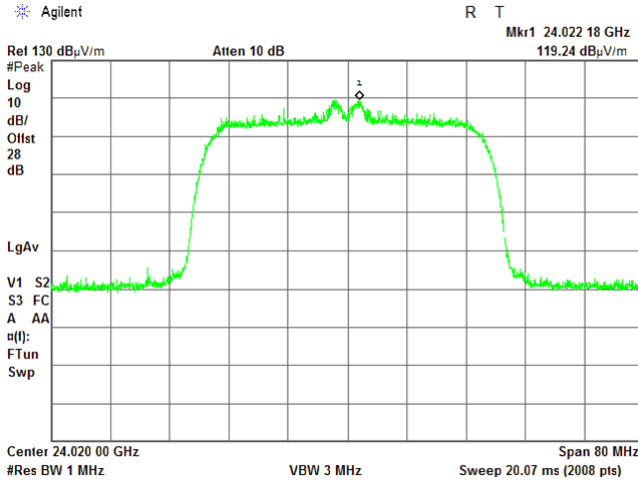
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.23 Radiated emission measurements at the fundamental frequency

TEST SITE:
 TEST DISTANCE:
 ANTENNA POLARIZATION:
 EUT POSITION:
 EMISSION BANDWIDTH:
 MODULATION:
 CARRIER FREQUENCY:
 DETECTOR: Peak

OATS
 3 m
 Horizontal
 Typical (Vertical)
 40 MHz
 QPSK
 Low
 DETECTOR: Average





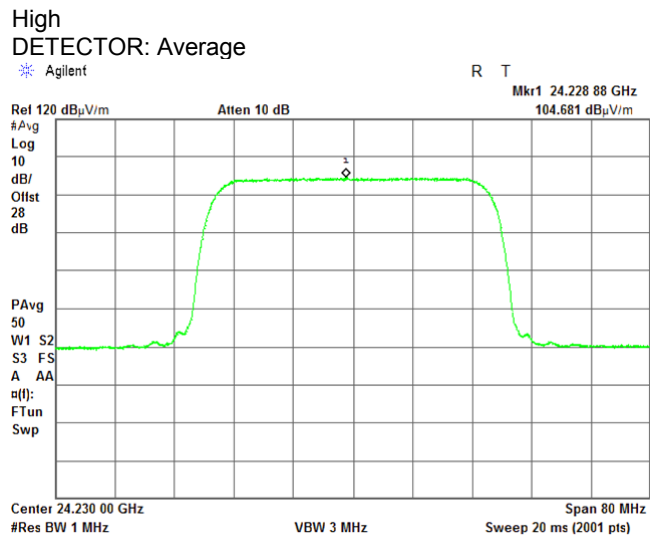
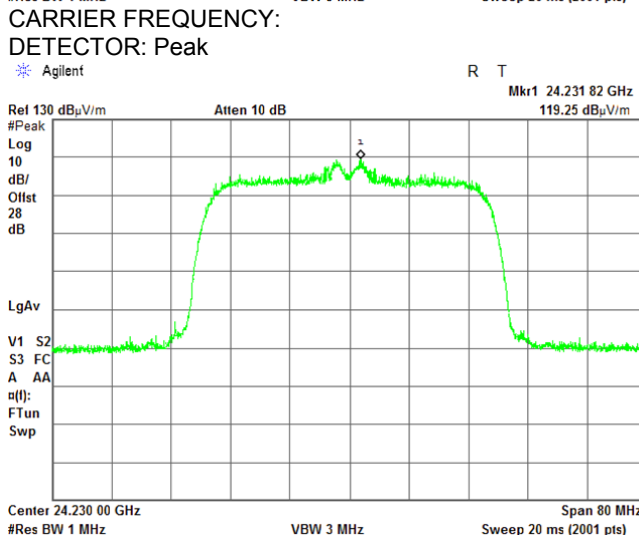
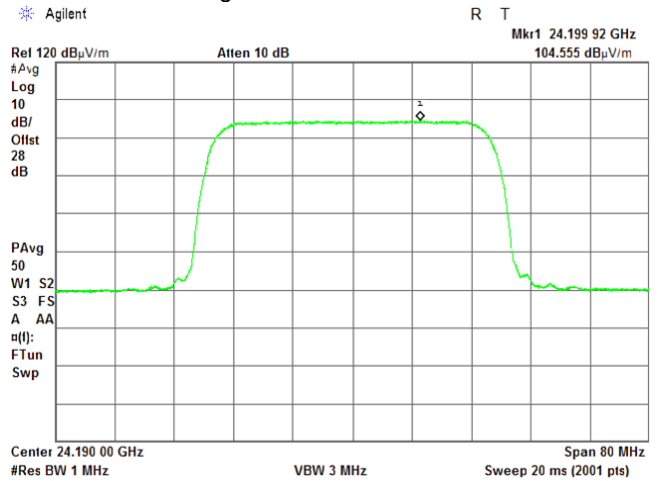
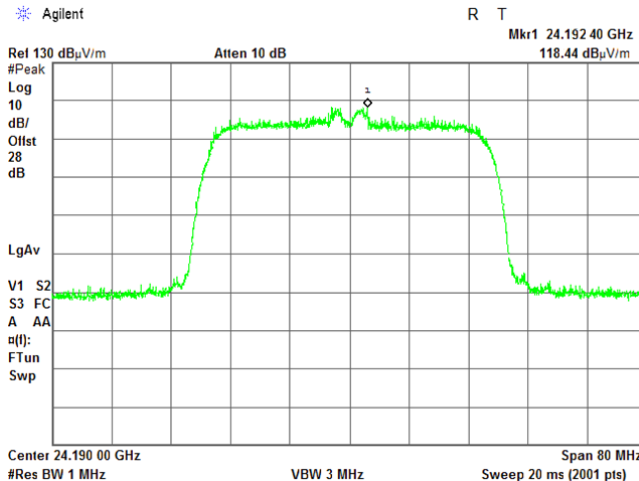
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.24 Radiated emission measurements at the fundamental frequency

TEST SITE:
 TEST DISTANCE:
 ANTENNA POLARIZATION:
 EUT POSITION:
 EMISSION BANDWIDTH:
 MODULATION:
 CARRIER FREQUENCY:
 DETECTOR: Peak

OATS
 3 m
 Horizontal
 Typical (Vertical)
 40 MHz
 QPSK
 Mid
 DETECTOR: Average





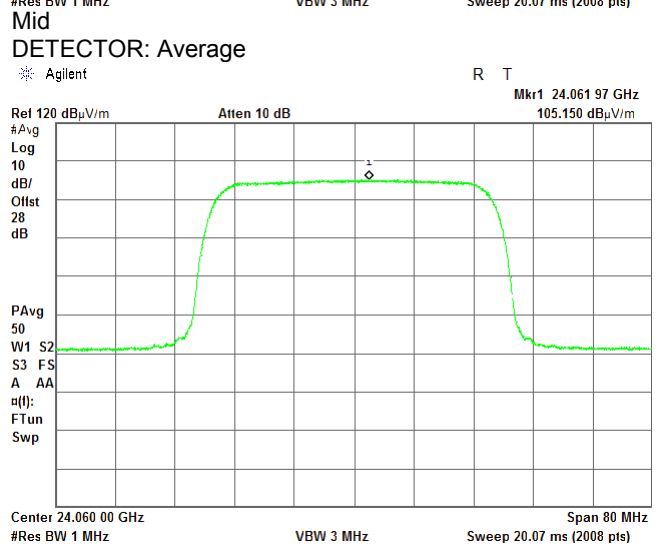
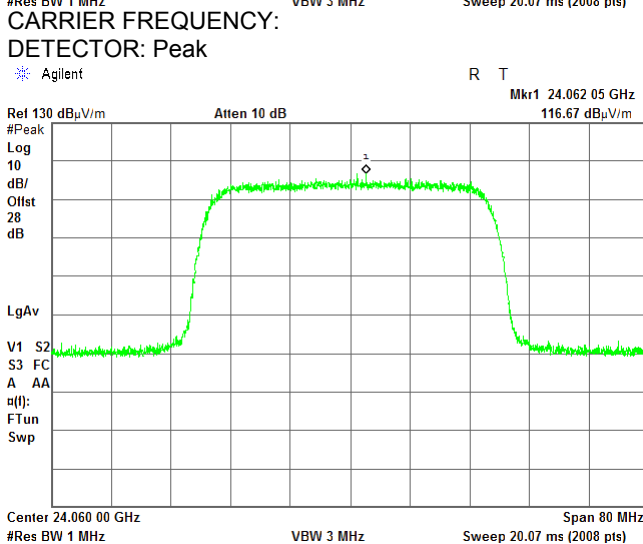
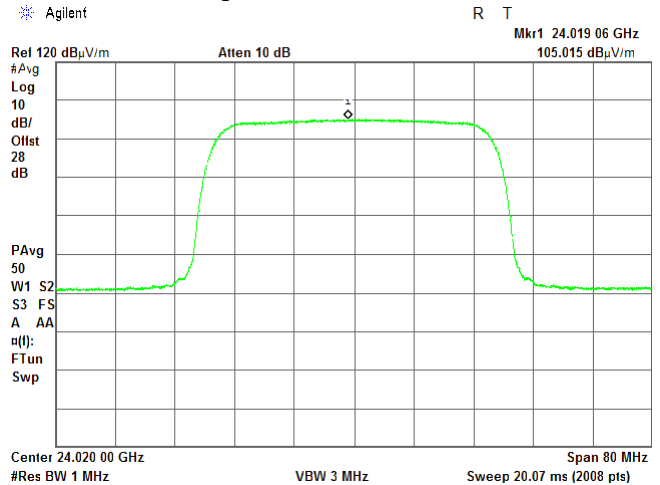
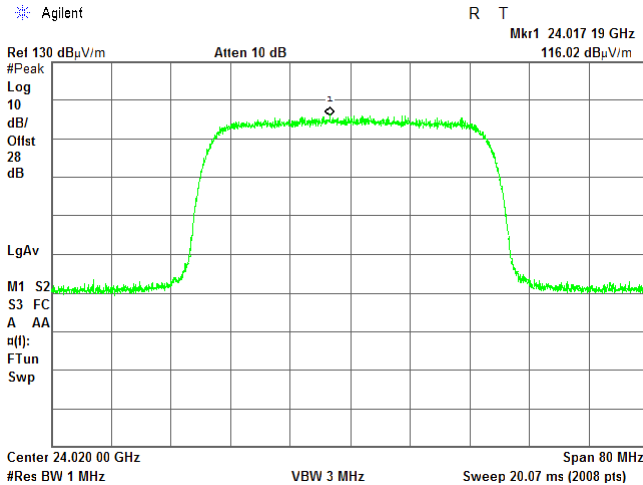
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.25 Radiated emission measurements at the fundamental frequency

TEST SITE:
TEST DISTANCE:
ANTENNA POLARIZATION:
EUT POSITION:
EMISSION BANDWIDTH:
CARRIER FREQUENCY:
DETECTOR: Peak

OATS
3 m
Vertical
Typical (Vertical)
40 MHz 2048QAM
Low
DETECTOR: Average





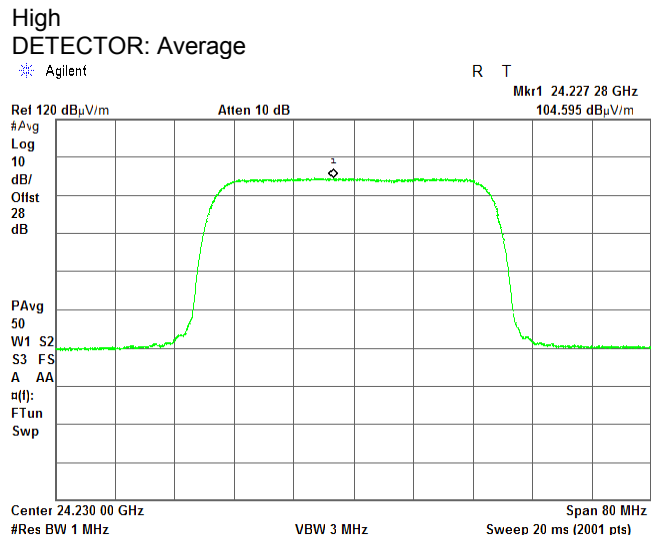
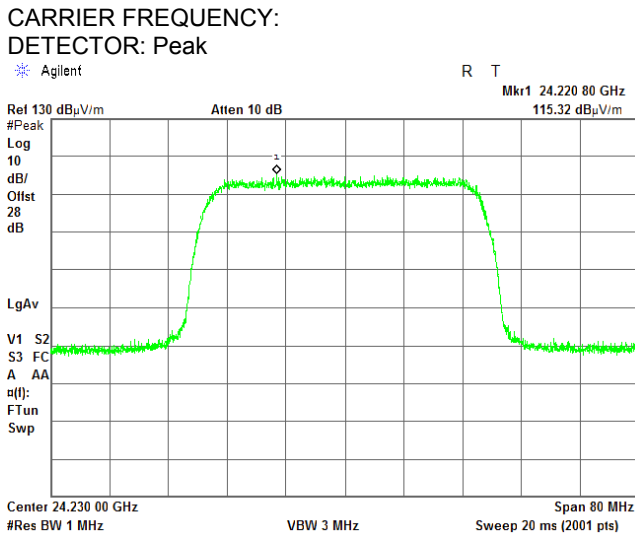
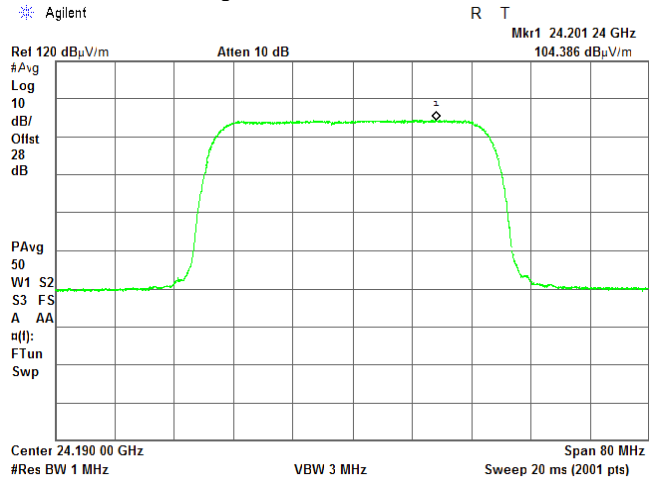
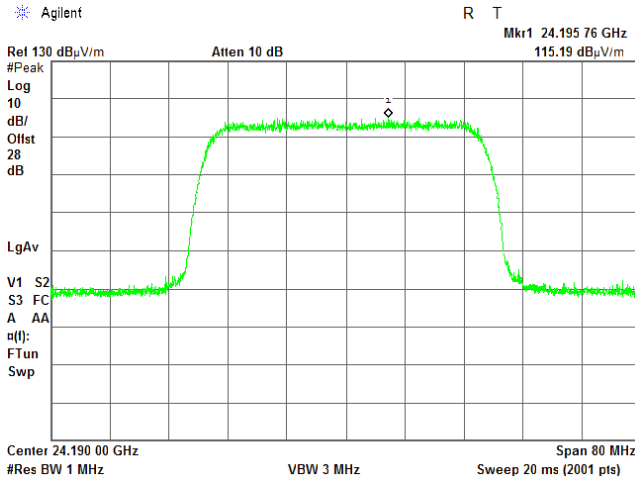
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.26 Radiated emission measurements at the fundamental frequency

TEST SITE:
 TEST DISTANCE:
 ANTENNA POLARIZATION:
 EUT POSITION:
 EMISSION BANDWIDTH:
 CARRIER FREQUENCY:
 DETECTOR: Peak

OATS
 3 m
 Vertical
 Typical (Vertical)
 40 MHz 2048QAM
 Mid
 DETECTOR: Average





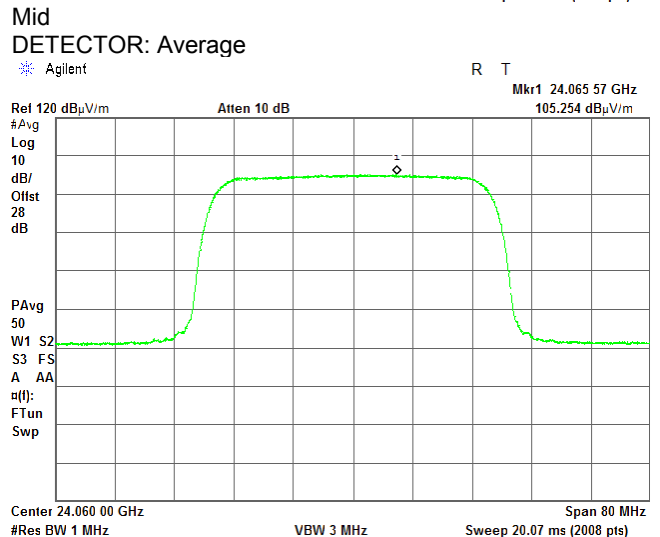
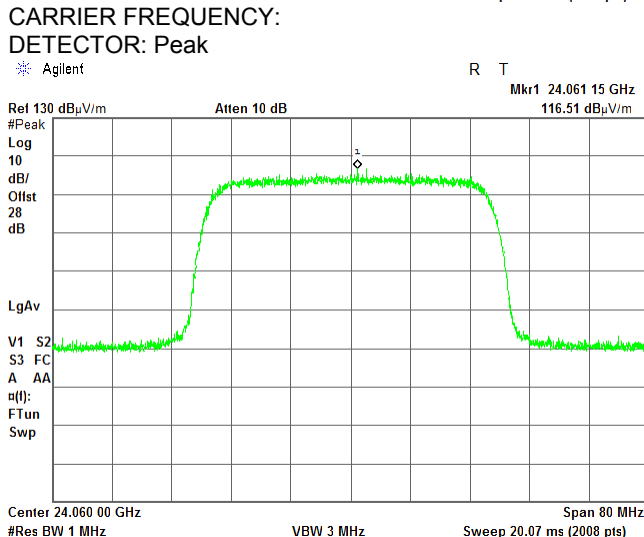
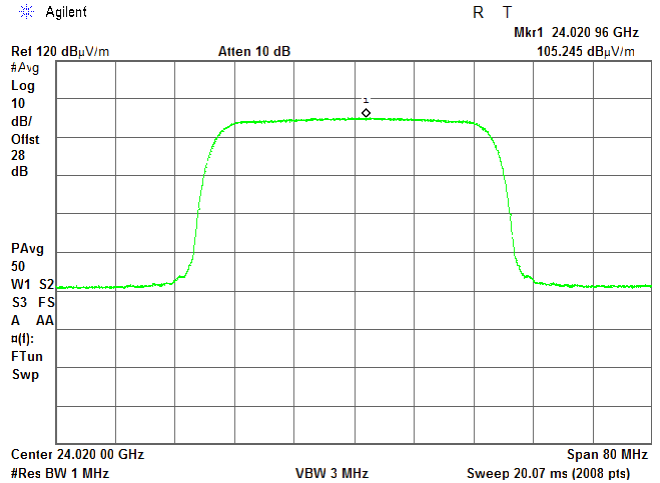
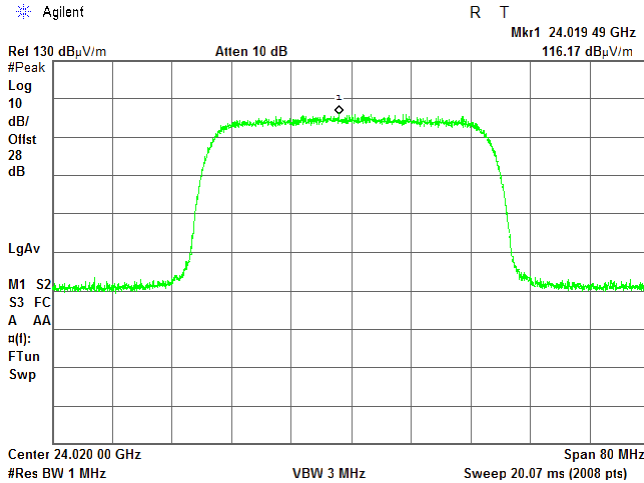
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.27 Radiated emission measurements at the fundamental frequency

TEST SITE:
TEST DISTANCE:
ANTENNA POLARIZATION:
EUT POSITION:
EMISSION BANDWIDTH:
MODULATION:
CARRIER FREQUENCY:
DETECTOR: Peak

OATS
3 m
Horizontal
Typical (Vertical)
40 MHz
2048QAM
Low
DETECTOR: Average





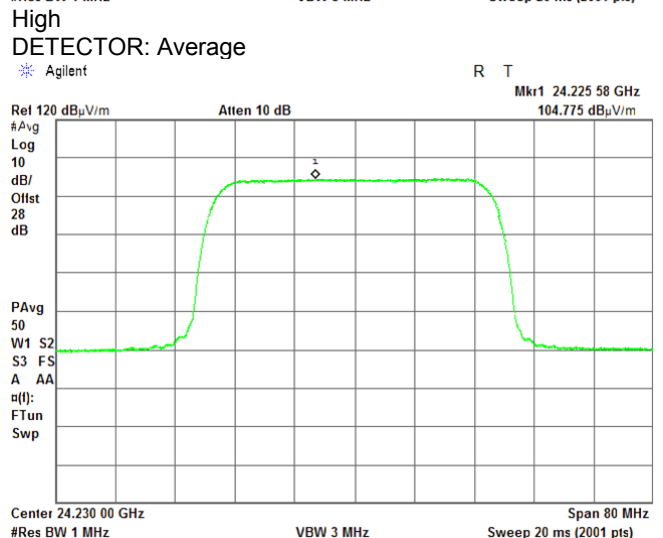
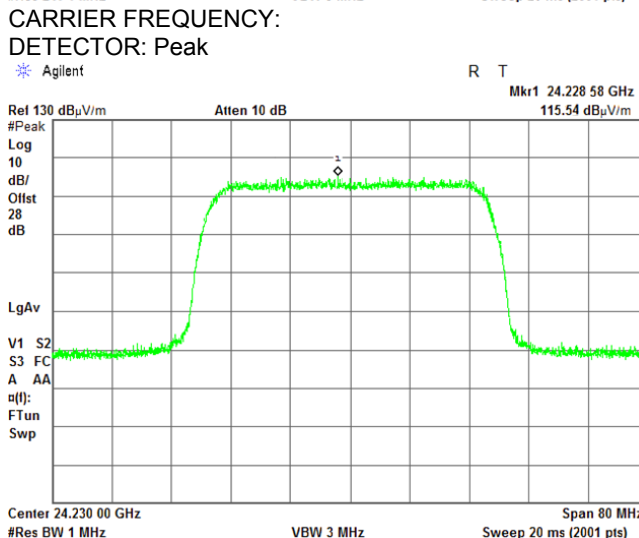
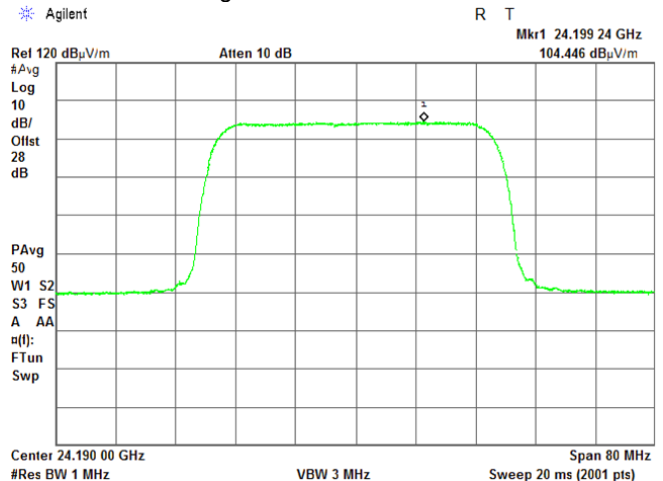
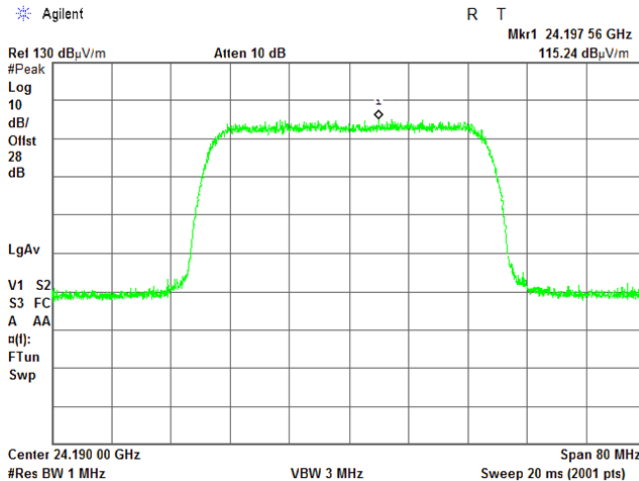
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.28 Radiated emission measurements at the fundamental frequency

TEST SITE:
 TEST DISTANCE:
 ANTENNA POLARIZATION:
 EUT POSITION:
 EMISSION BANDWIDTH:
 MODULATION:
 CARRIER FREQUENCY:
 DETECTOR: Peak

OATS
 3 m
 Horizontal
 Typical (Vertical)
 40 MHz
 2048QAM
 Mid
 DETECTOR: Average





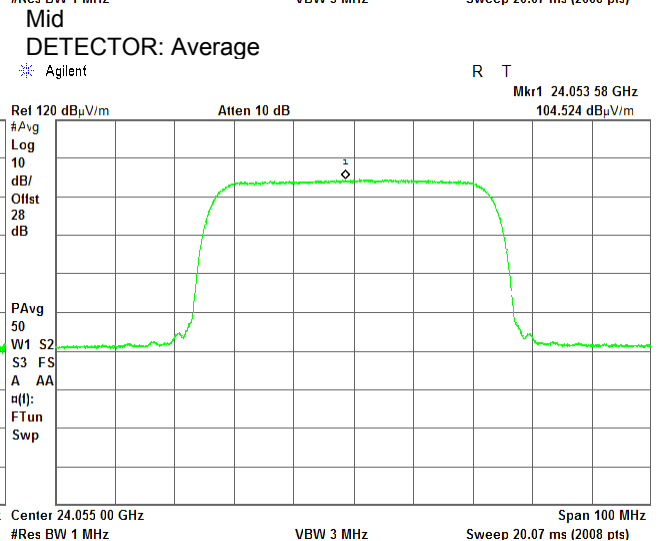
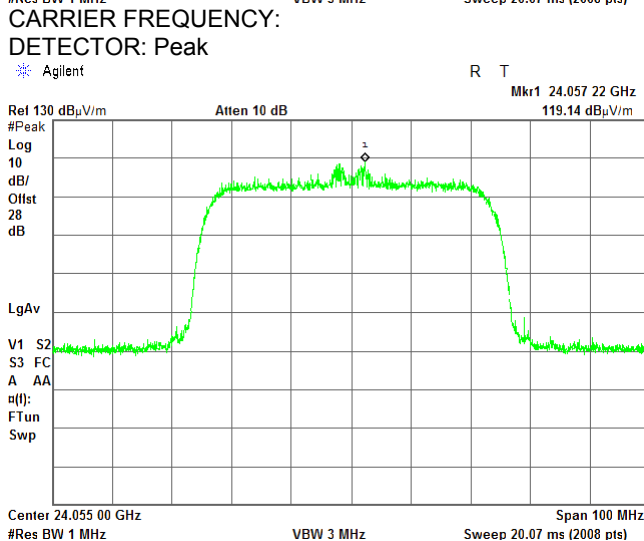
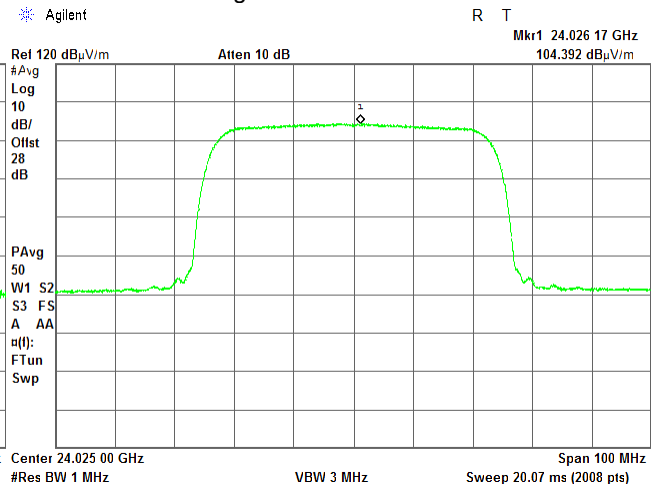
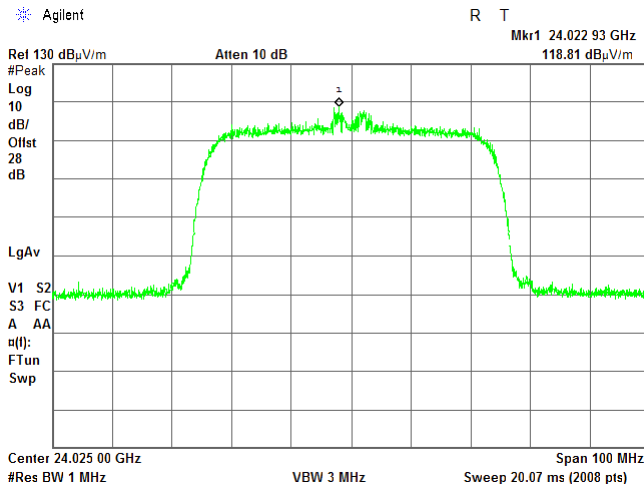
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.29 Radiated emission measurements at the fundamental frequency

TEST SITE:
TEST DISTANCE:
ANTENNA POLARIZATION:
EUT POSITION:
EMISSION BANDWIDTH:
MODULATION:
CARRIER FREQUENCY:
DETECTOR: Peak

OATS
3 m
Vertical
Typical (Vertical)
50 MHz
QPSK
Low
DETECTOR: Average





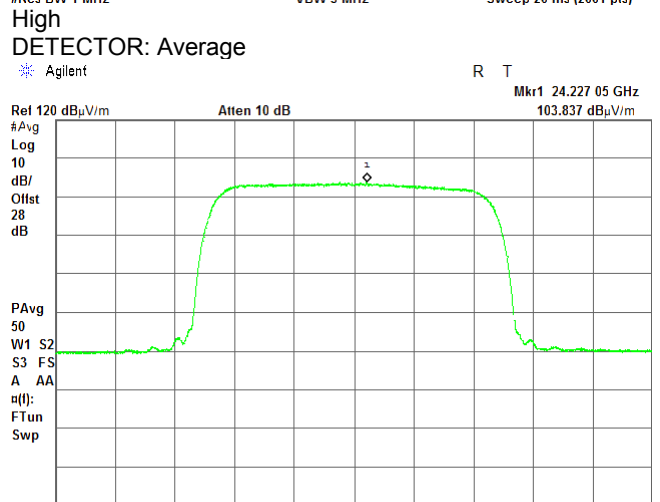
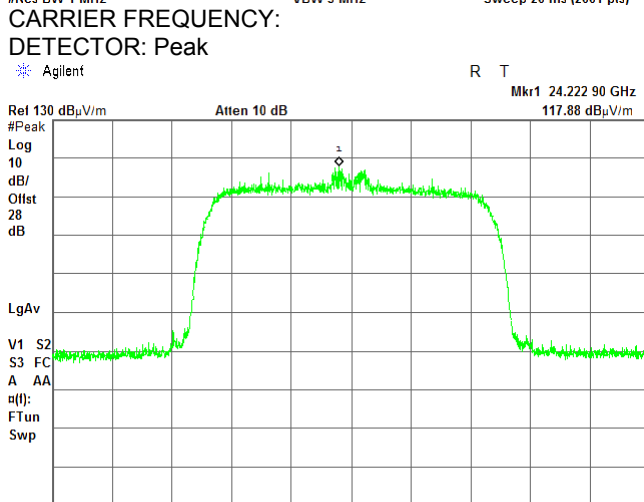
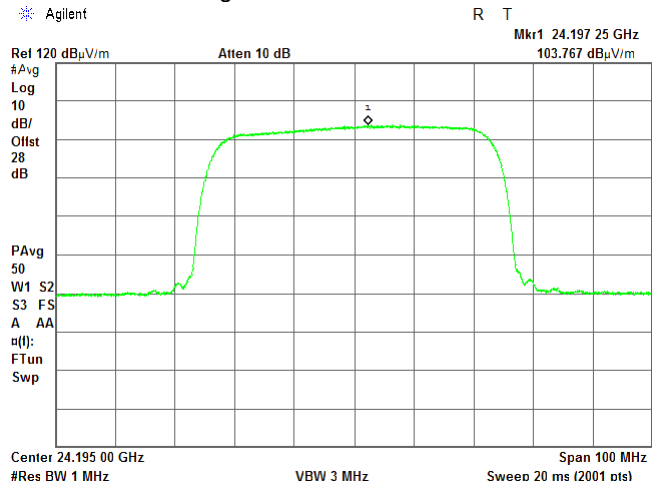
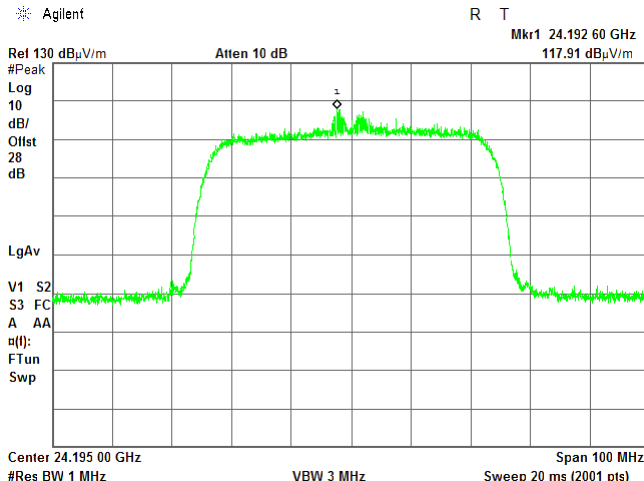
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.30 Radiated emission measurements at the fundamental frequency

TEST SITE:
TEST DISTANCE:
ANTENNA POLARIZATION:
EUT POSITION:
EMISSION BANDWIDTH:
MODULATION:
CARRIER FREQUENCY:
DETECTOR: Peak

OATS
3 m
Vertical
Typical (Vertical)
50 MHz
QPSK
Mid
DETECTOR: Average





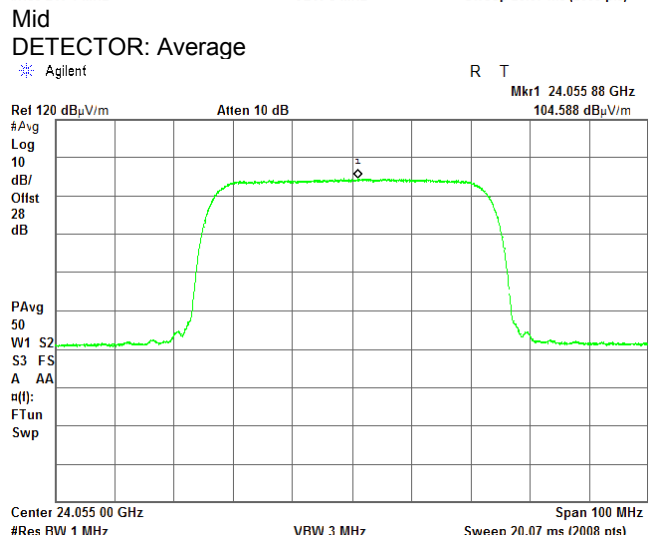
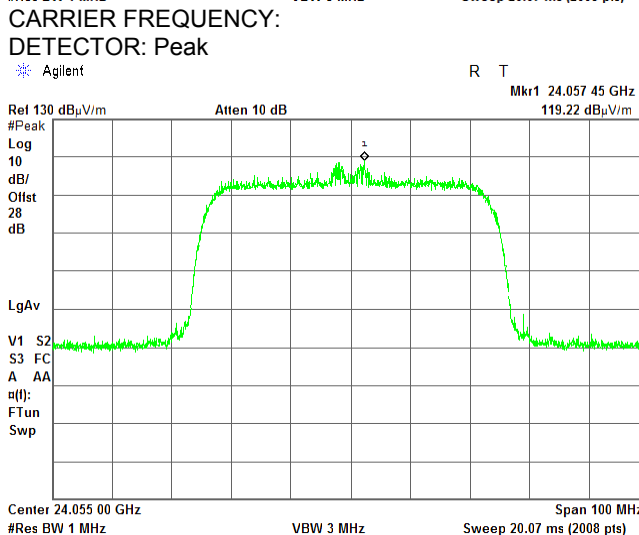
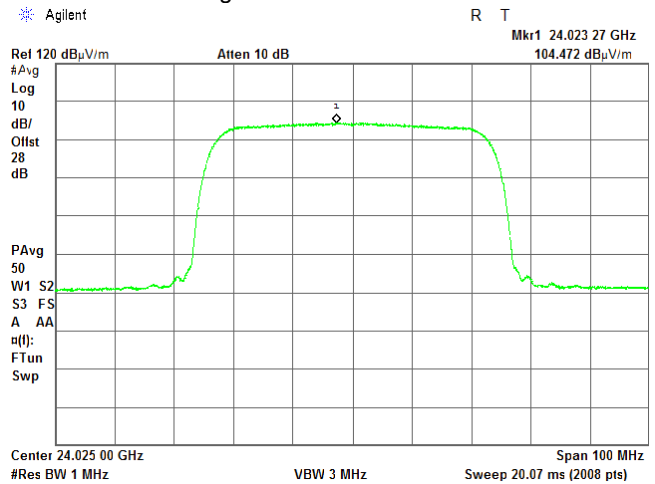
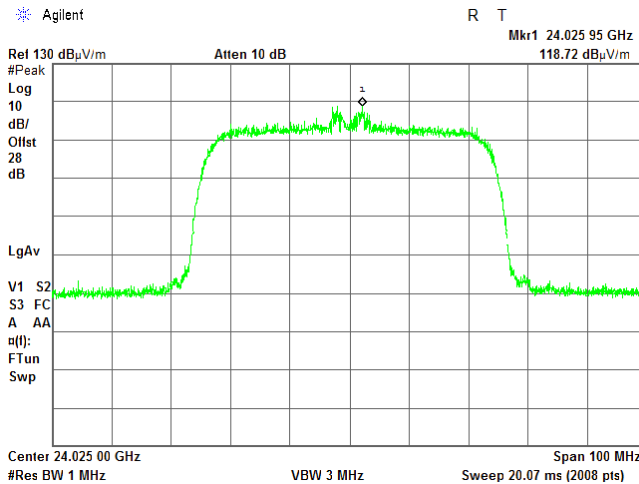
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.31 Radiated emission measurements at the fundamental frequency

TEST SITE:
TEST DISTANCE:
ANTENNA POLARIZATION:
EUT POSITION:
EMISSION BANDWIDTH:
MODULATION:
CARRIER FREQUENCY:
DETECTOR: Peak

OATS
3 m
Horizontal
Typical (Vertical)
50 MHz
QPSK
Low
DETECTOR: Average





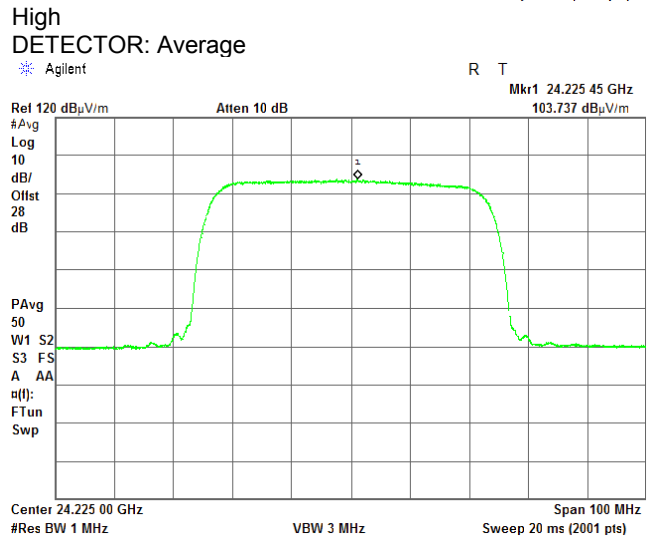
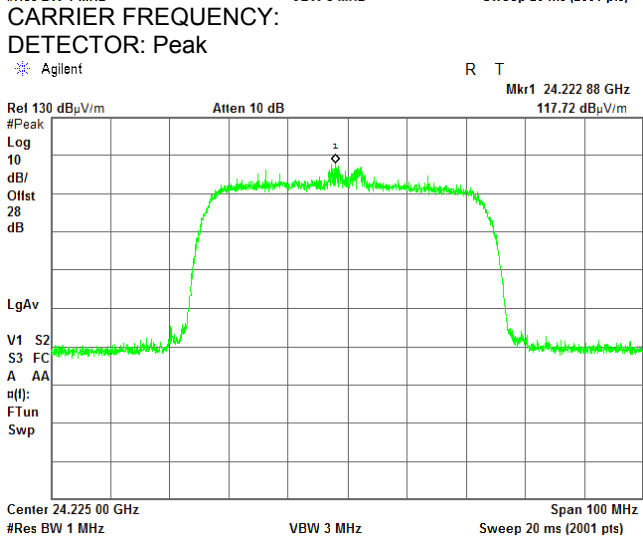
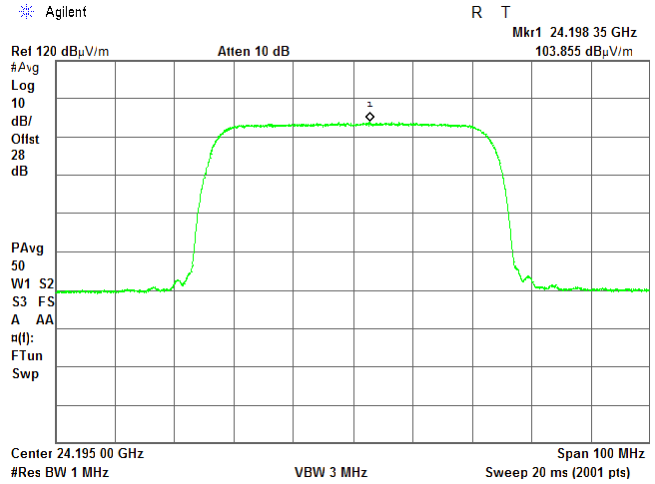
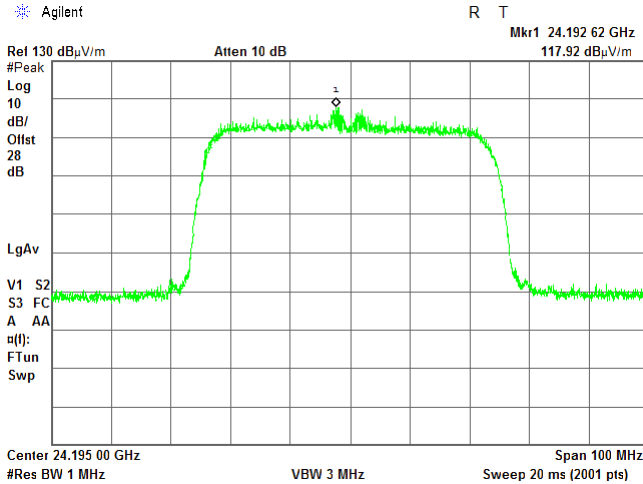
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.32 Radiated emission measurements at the fundamental frequency

TEST SITE:
 TEST DISTANCE:
 ANTENNA POLARIZATION:
 EUT POSITION:
 EMISSION BANDWIDTH:
 MODULATION:
 CARRIER FREQUENCY:
 DETECTOR: Peak

OATS
 3 m
 Horizontal
 Typical (Vertical)
 50 MHz
 QPSK
 Mid
 DETECTOR: Average





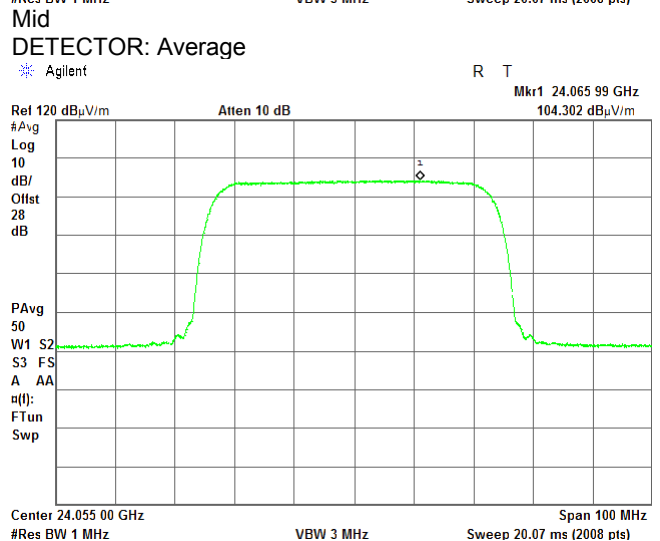
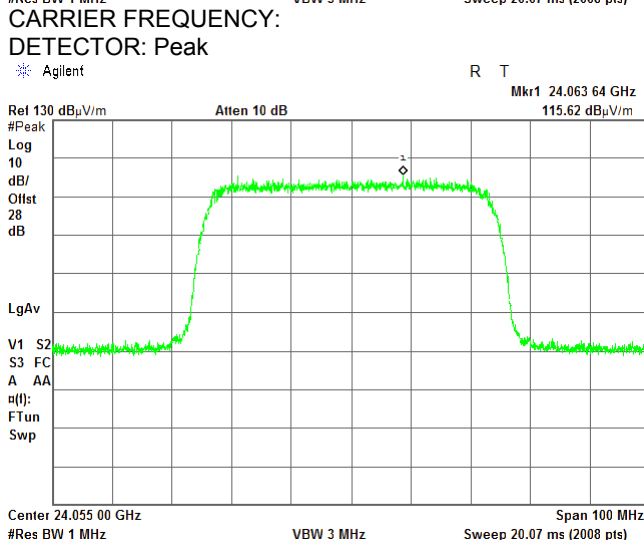
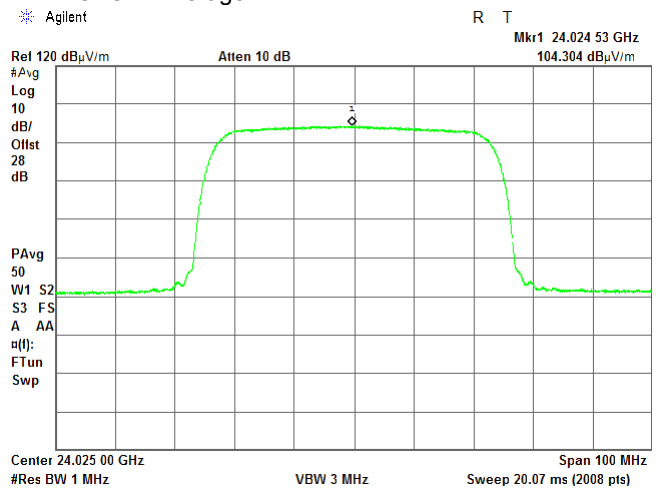
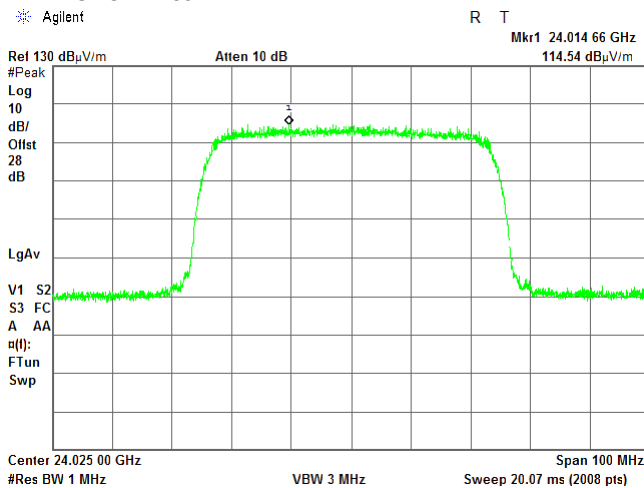
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.33 Radiated emission measurements at the fundamental frequency

TEST SITE:
TEST DISTANCE:
ANTENNA POLARIZATION:
EUT POSITION:
EMISSION BANDWIDTH:
MODULATION:
CARRIER FREQUENCY:
DETECTOR: Peak

OATS
3 m
Vertical
Typical (Vertical)
50 MHz
2048QAM
Low
DETECTOR: Average





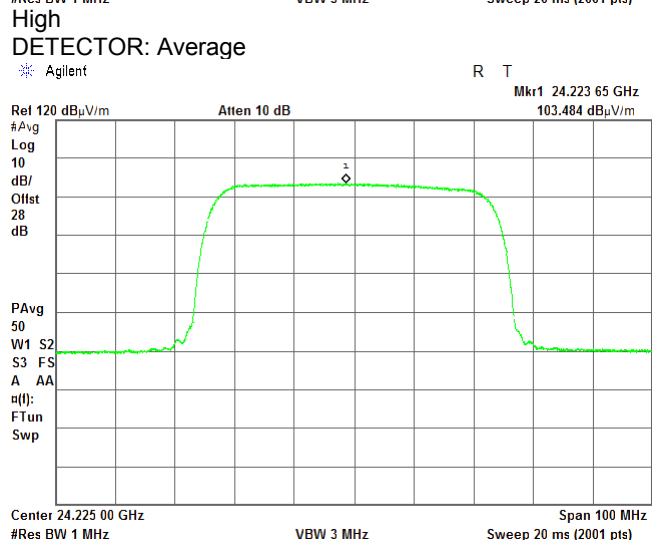
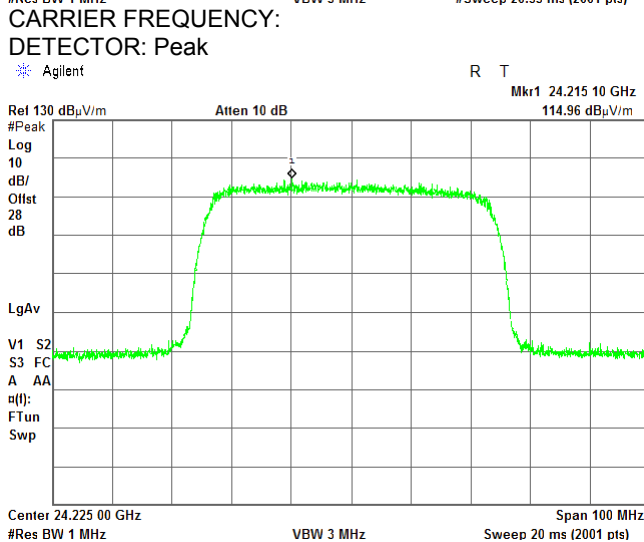
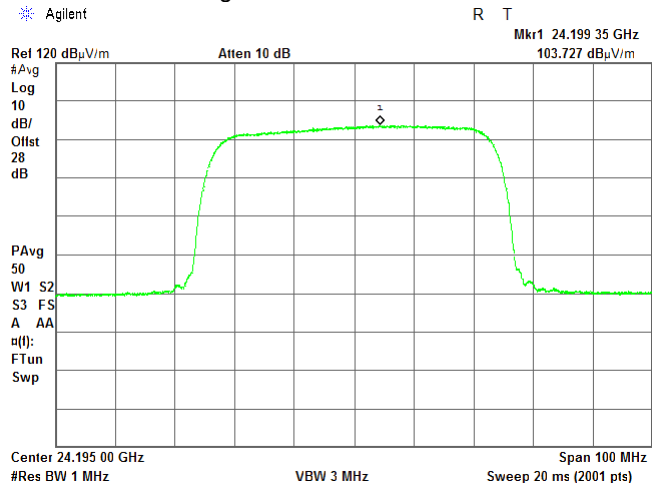
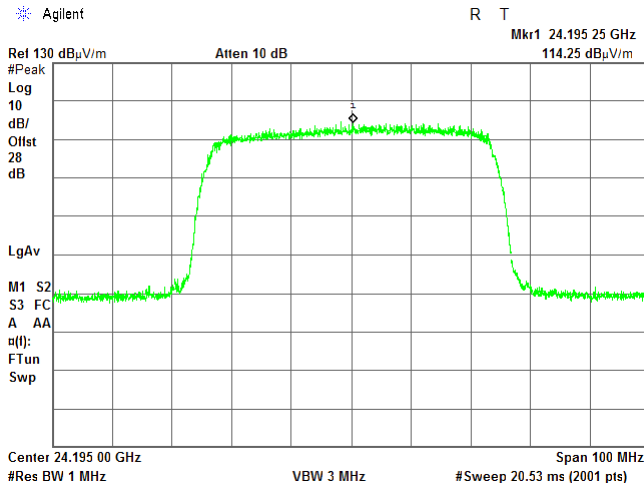
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.34 Radiated emission measurements at the fundamental frequency

TEST SITE:
 TEST DISTANCE:
 ANTENNA POLARIZATION:
 EUT POSITION:
 EMISSION BANDWIDTH:
 MODULATION:
 CARRIER FREQUENCY:
 DETECTOR: Peak

OATS
 3 m
 Vertical
 Typical (Vertical)
 50 MHz
 2048QAM
 Mid
 DETECTOR: Average





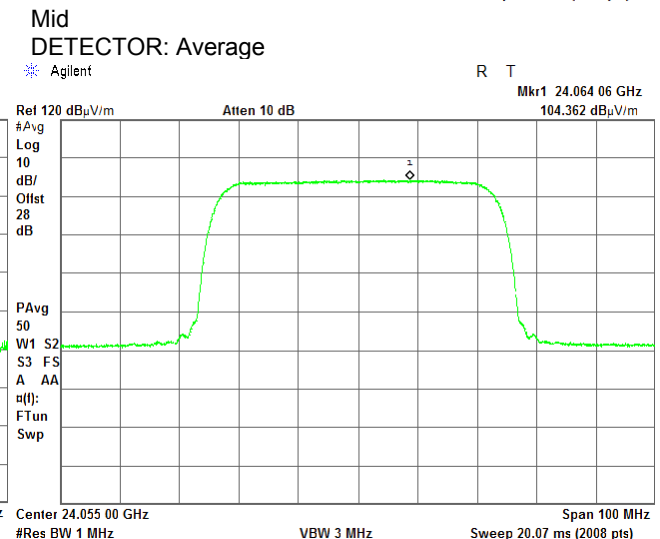
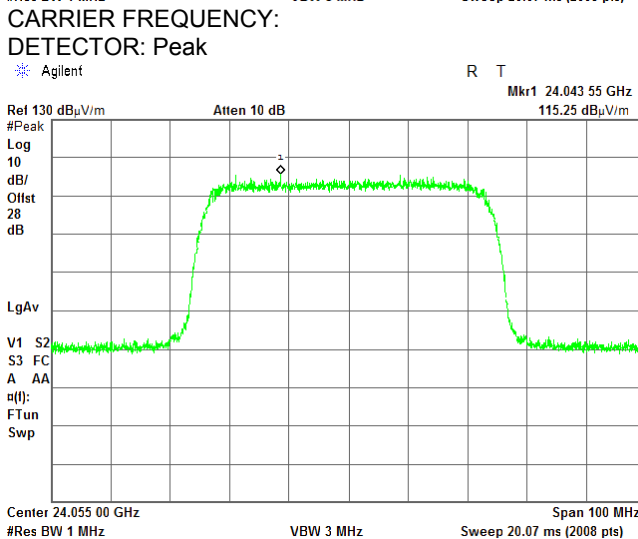
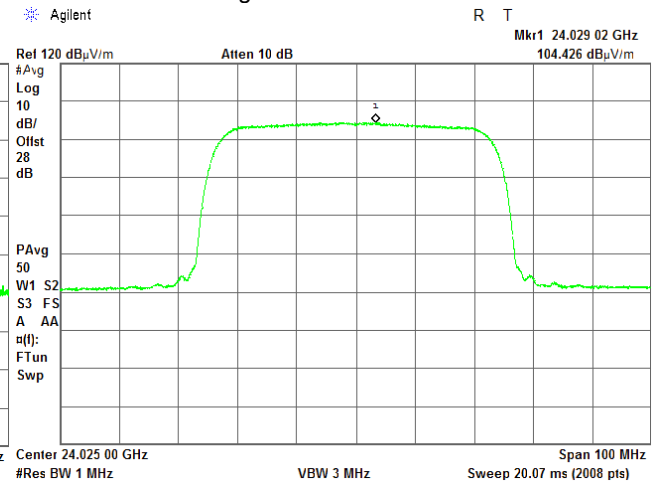
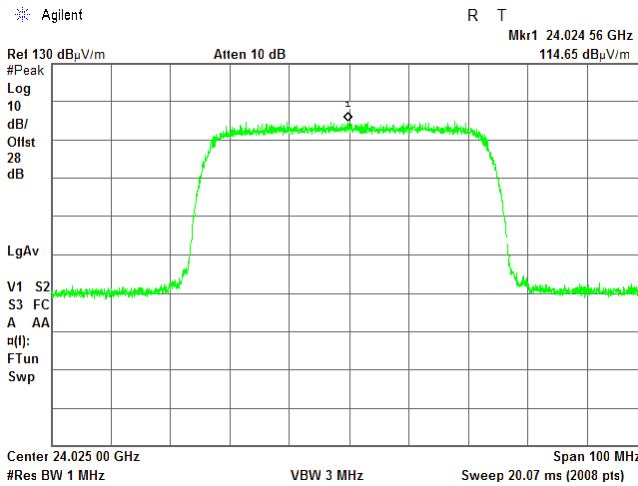
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.35 Radiated emission measurements at the fundamental frequency

TEST SITE:
 TEST DISTANCE:
 ANTENNA POLARIZATION:
 EUT POSITION:
 EMISSION BANDWIDTH:
 MODULATION:
 CARRIER FREQUENCY:
 DETECTOR: Peak

OATS
 3 m
 Horizontal
 Typical (Vertical)
 50 MHz
 2048QAM
 Low
 DETECTOR: Average





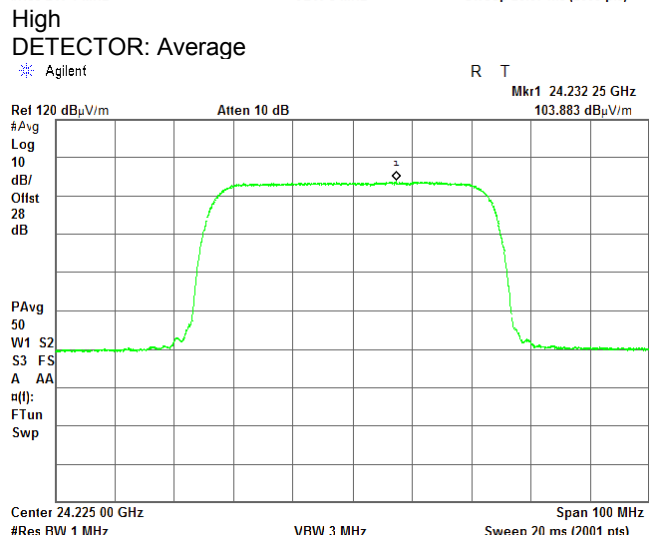
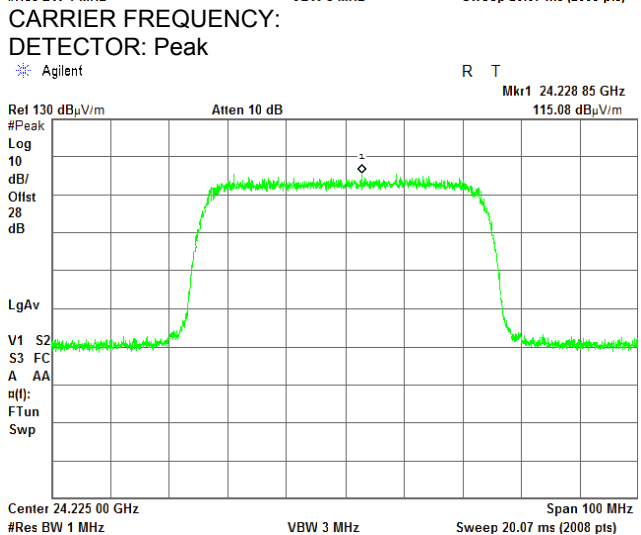
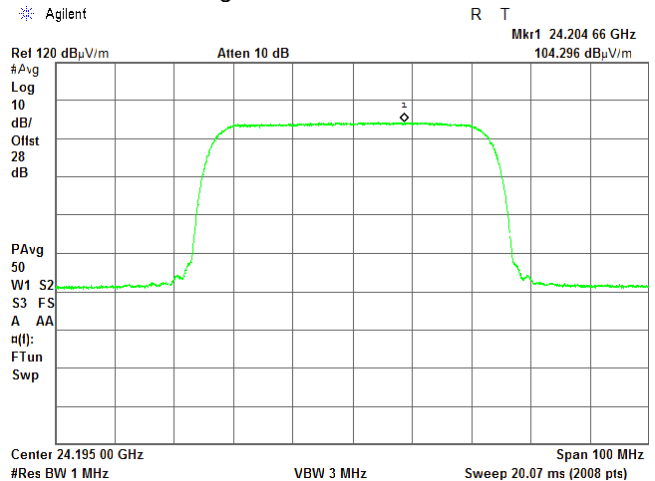
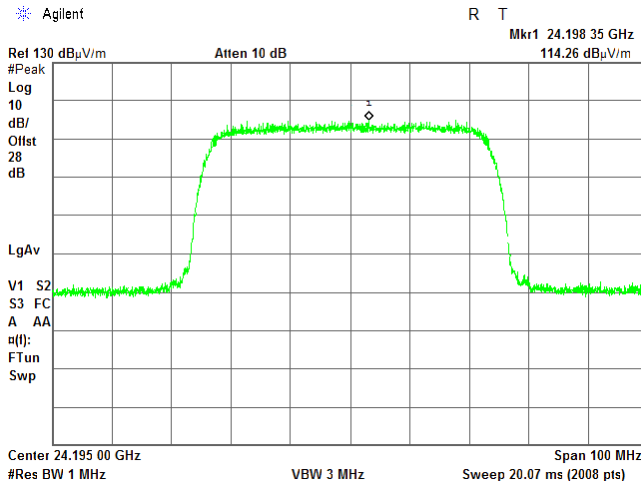
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.36 Radiated emission measurements at the fundamental frequency

TEST SITE:
 TEST DISTANCE:
 ANTENNA POLARIZATION:
 EUT POSITION:
 EMISSION BANDWIDTH:
 MODULATION:
 CARRIER FREQUENCY:
 DETECTOR: Peak

OATS
 3 m
 Horizontal
 Typical (Vertical)
 50 MHz
 2048QAM
 Mid
 DETECTOR: Average





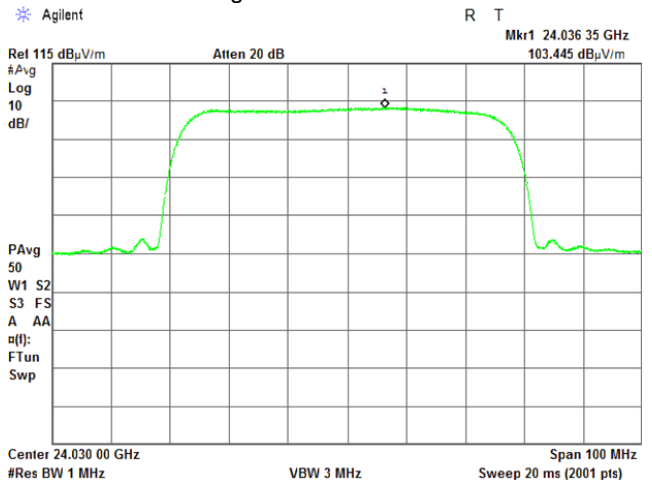
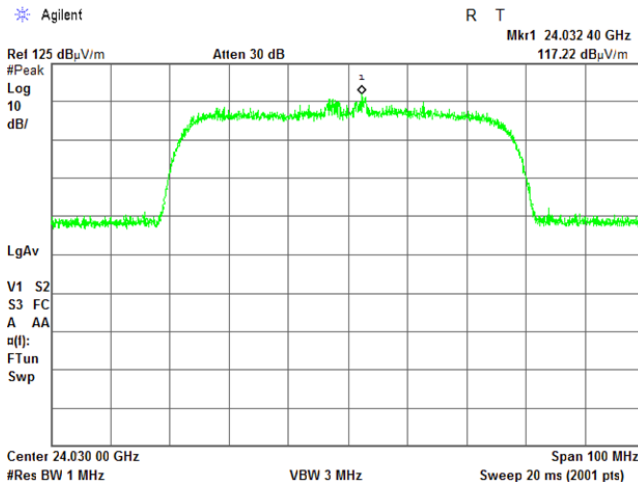
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.37 Radiated emission measurements at the fundamental frequency

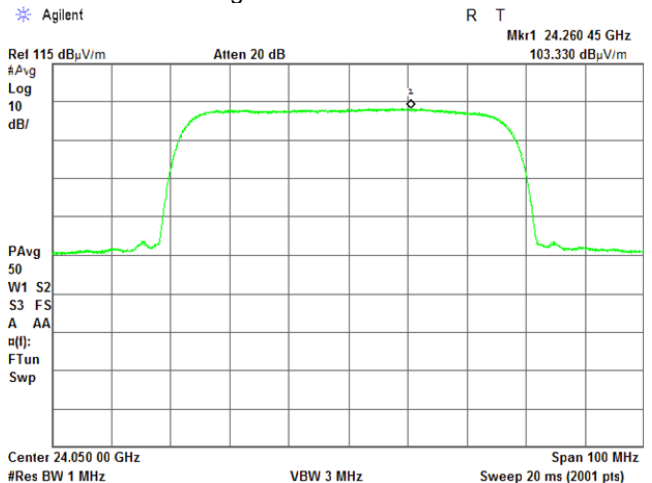
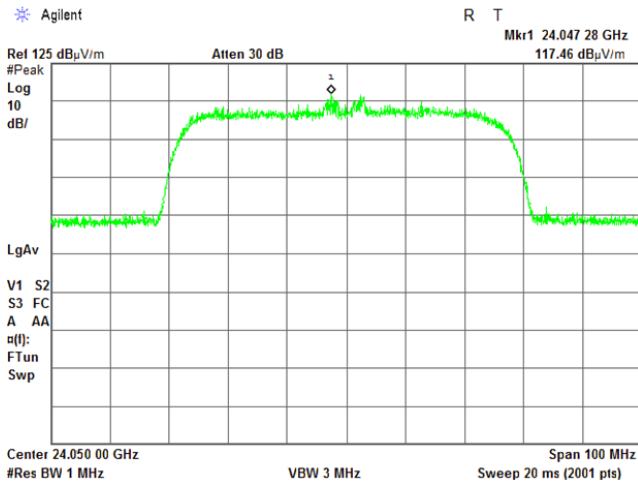
TEST SITE:
 TEST DISTANCE:
 ANTENNA POLARIZATION:
 EUT POSITION:
 EMISSION BANDWIDTH:
 MODULATION:
 CARRIER FREQUENCY:
 DETECTOR: Peak

OATS
 3 m
 Vertical
 Typical (Vertical)
 60 MHz
 QPSK
 Low
 DETECTOR: Average



CARRIER FREQUENCY:
 DETECTOR: Peak

Mid
 DETECTOR: Average





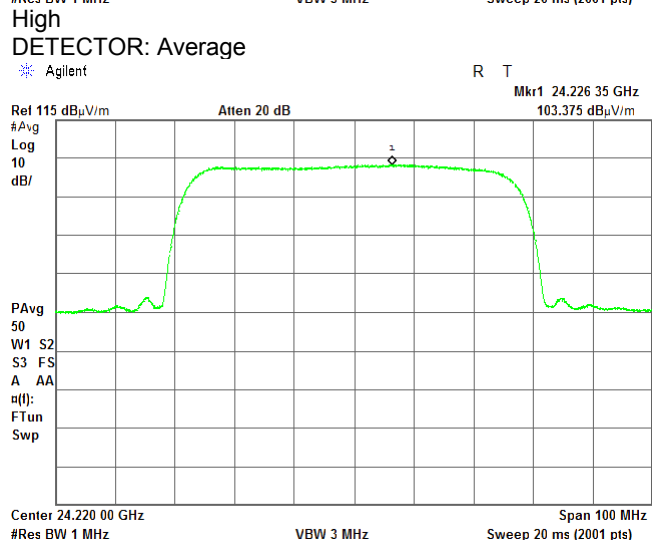
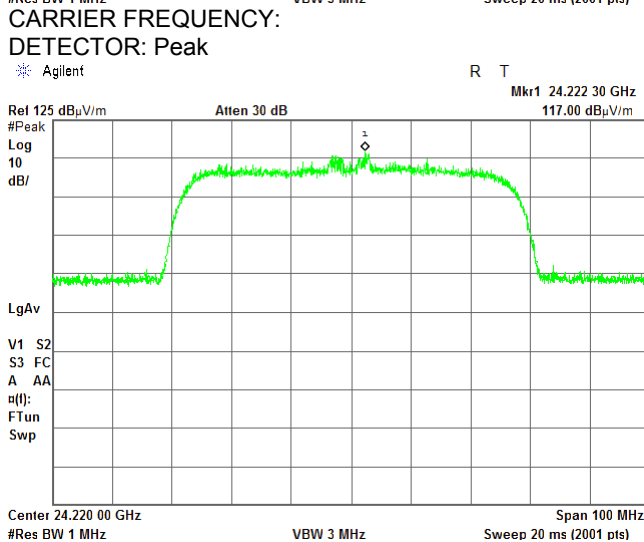
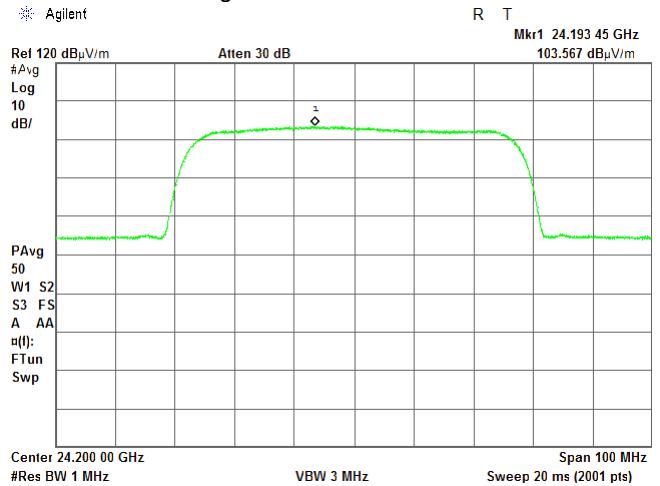
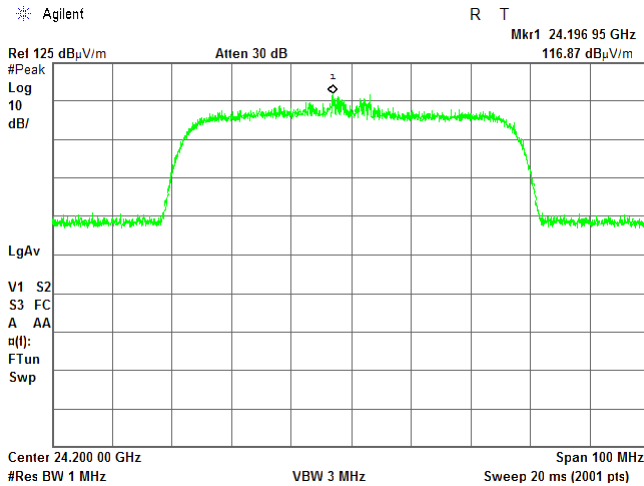
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.38 Radiated emission measurements at the fundamental frequency

TEST SITE:
 TEST DISTANCE:
 ANTENNA POLARIZATION:
 EUT POSITION:
 EMISSION BANDWIDTH:
 MODULATION:
 CARRIER FREQUENCY:
 DETECTOR: Peak

OATS
 3 m
 Vertical
 Typical (Vertical)
 60 MHz
 QPSK
 Mid
 DETECTOR: Average





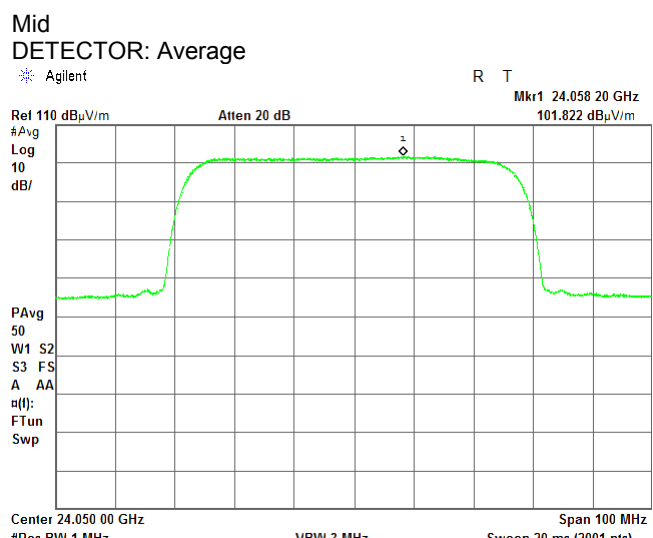
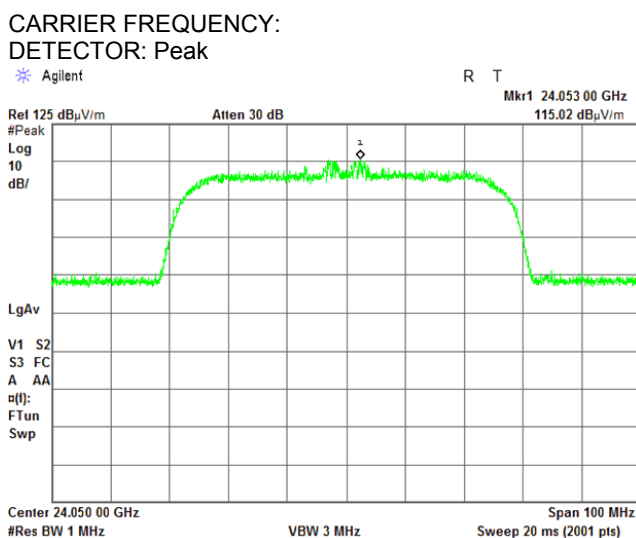
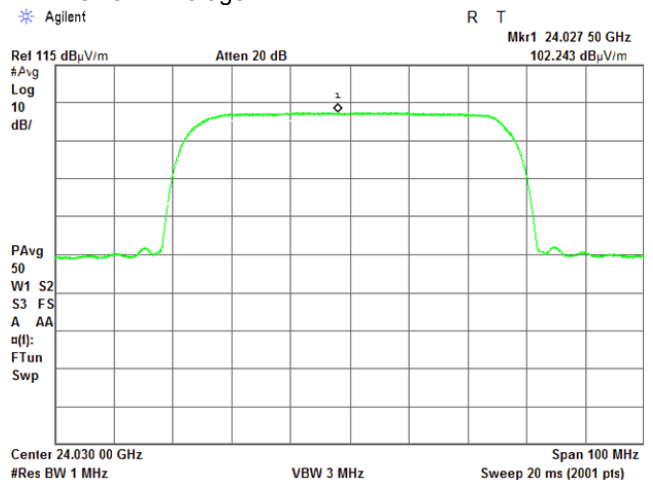
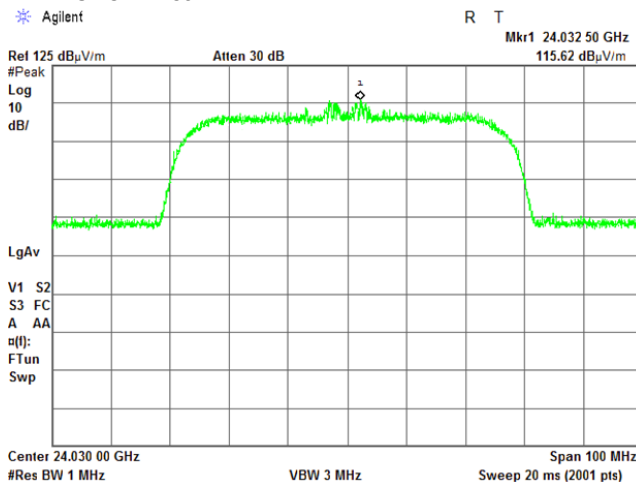
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.39 Radiated emission measurements at the fundamental frequency

TEST SITE:
 TEST DISTANCE:
 ANTENNA POLARIZATION:
 EUT POSITION:
 EMISSION BANDWIDTH:
 MODULATION:
 CARRIER FREQUENCY:
 DETECTOR: Peak

OATS
 3 m
 Horizontal
 Typical (Vertical)
 60 MHz
 QPSK
 Low
 DETECTOR: Average





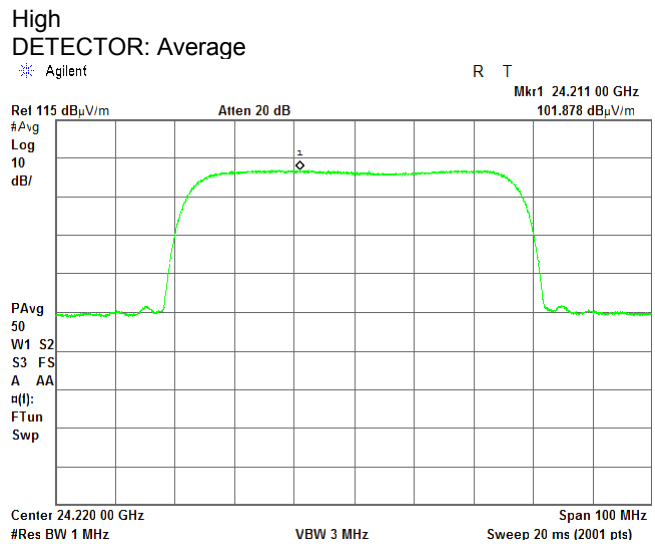
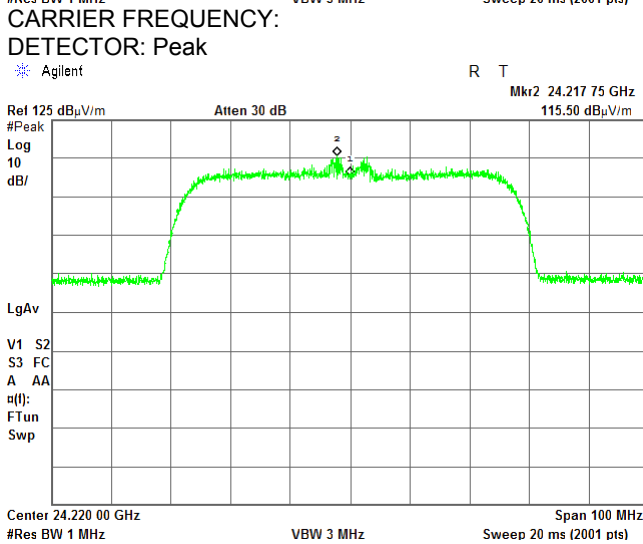
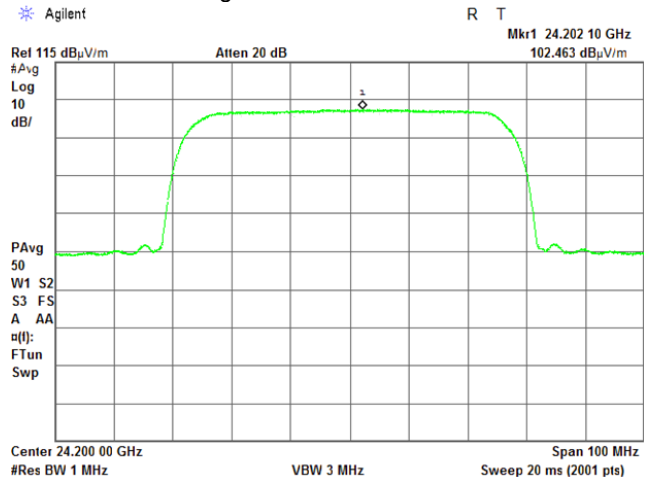
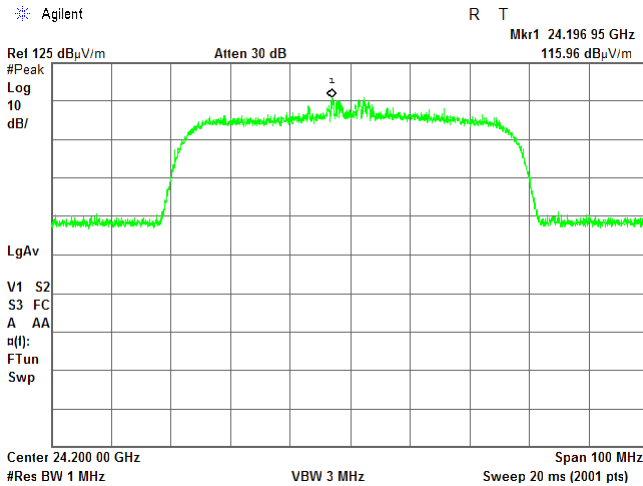
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.40 Radiated emission measurements at the fundamental frequency

TEST SITE:
 TEST DISTANCE:
 ANTENNA POLARIZATION:
 EUT POSITION:
 EMISSION BANDWIDTH:
 MODULATION:
 CARRIER FREQUENCY:
 DETECTOR: Peak

OATS
 3 m
 Horizontal
 Typical (Vertical)
 60 MHz
 QPSK
 Mid
 DETECTOR: Average





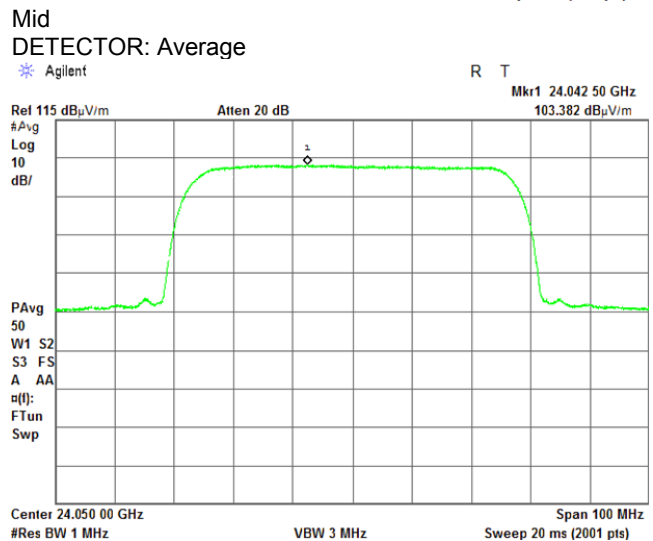
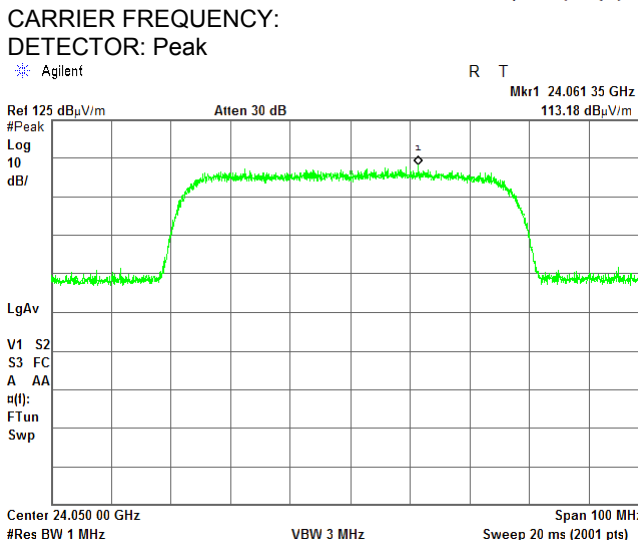
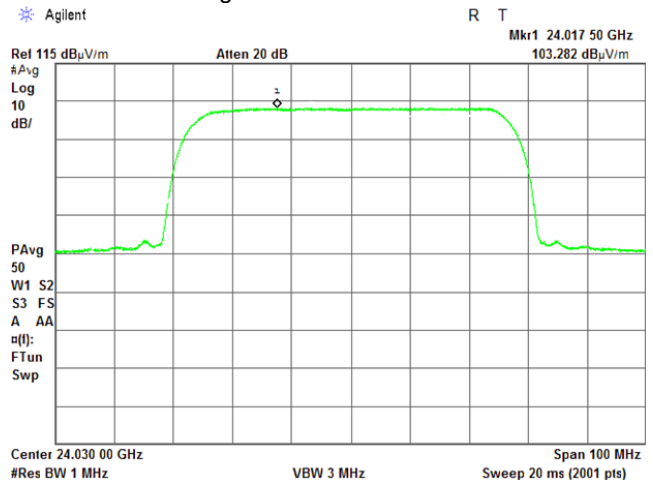
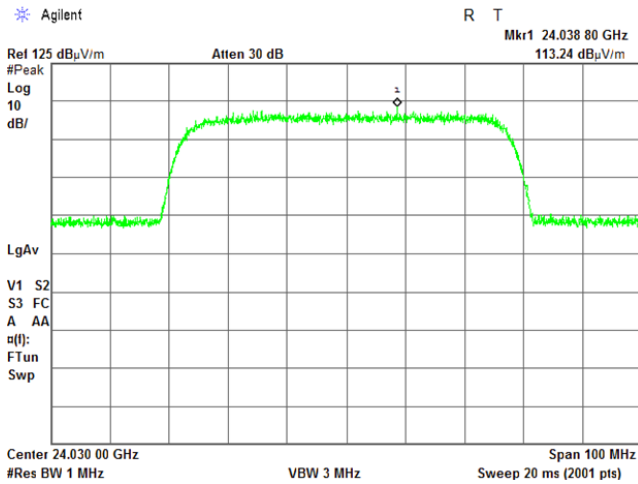
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.41 Radiated emission measurements at the fundamental frequency

TEST SITE:
 TEST DISTANCE:
 ANTENNA POLARIZATION:
 EUT POSITION:
 EMISSION BANDWIDTH:
 MODULATION:
 CARRIER FREQUENCY:
 DETECTOR: Peak

OATS
 3 m
 Vertical
 Typical (Vertical)
 60 MHz
 2048QAM
 Low
 DETECTOR: Average





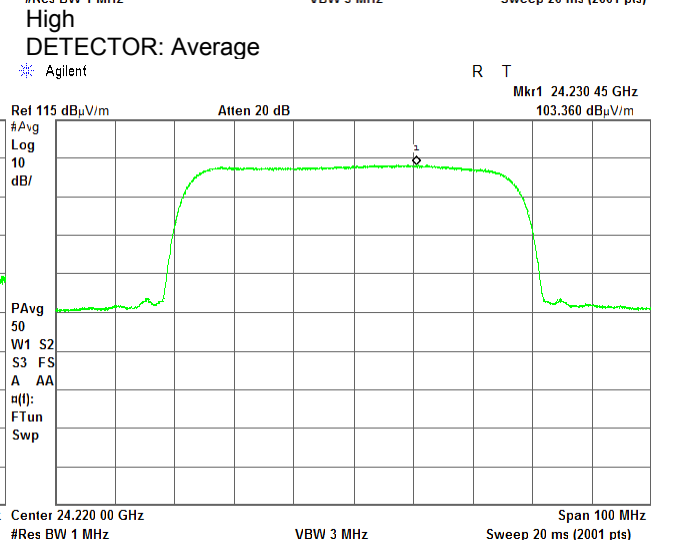
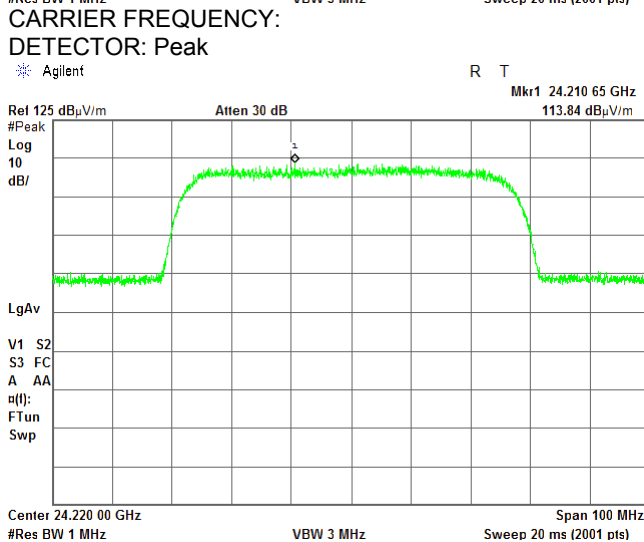
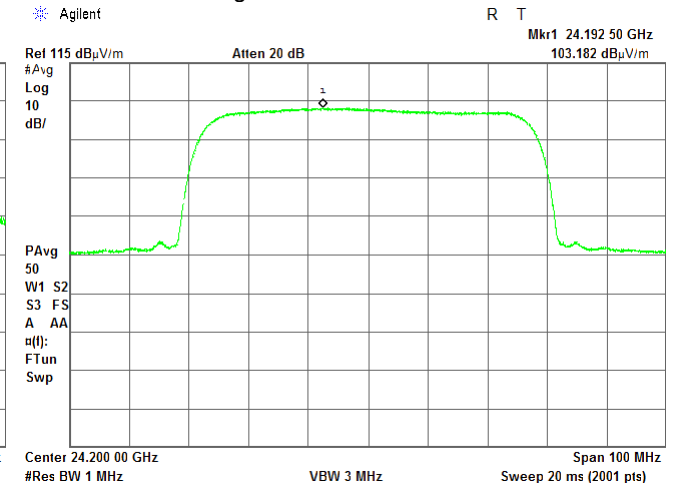
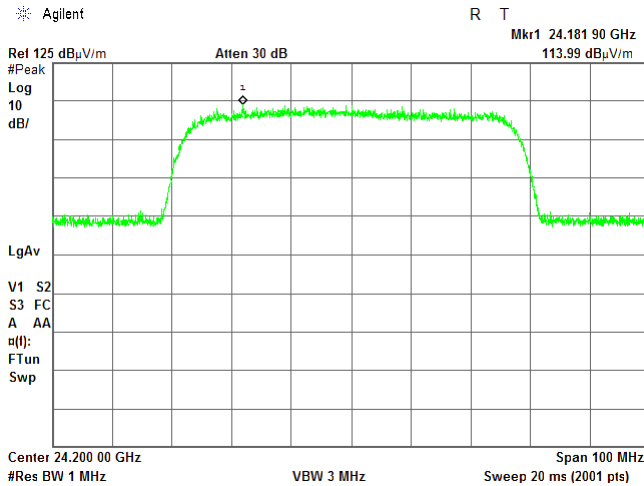
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.42 Radiated emission measurements at the fundamental frequency

TEST SITE:
TEST DISTANCE:
ANTENNA POLARIZATION:
EUT POSITION:
EMISSION BANDWIDTH:
MODULATION:
CARRIER FREQUENCY:
DETECTOR: Peak

OATS
3 m
Vertical
Typical (Vertical)
60 MHz
2048QAM
Mid
DETECTOR: Average





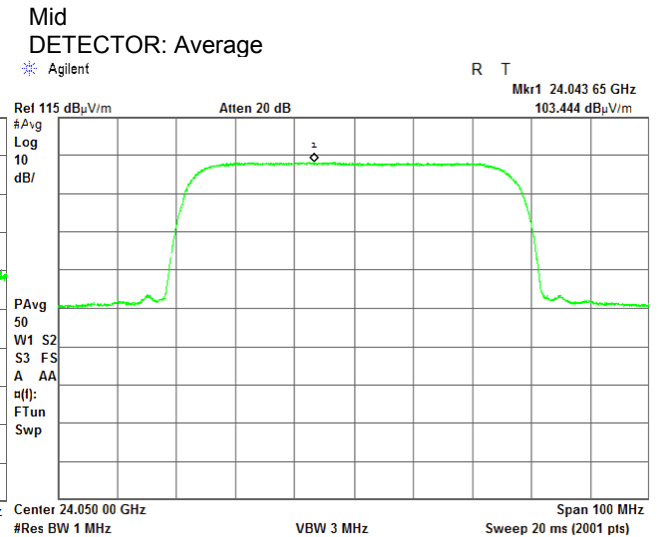
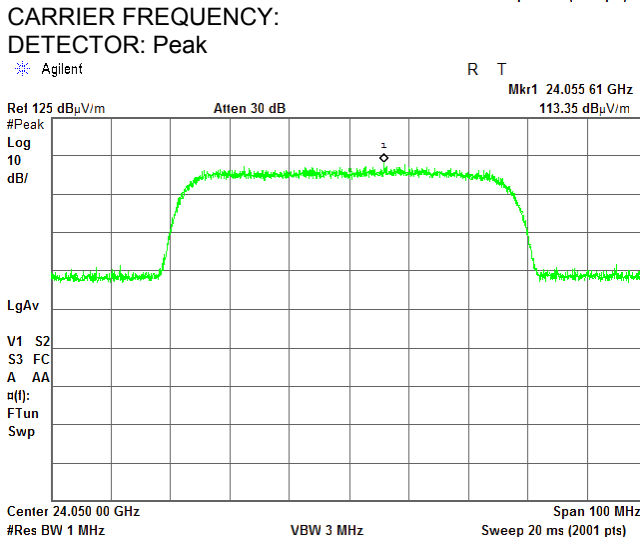
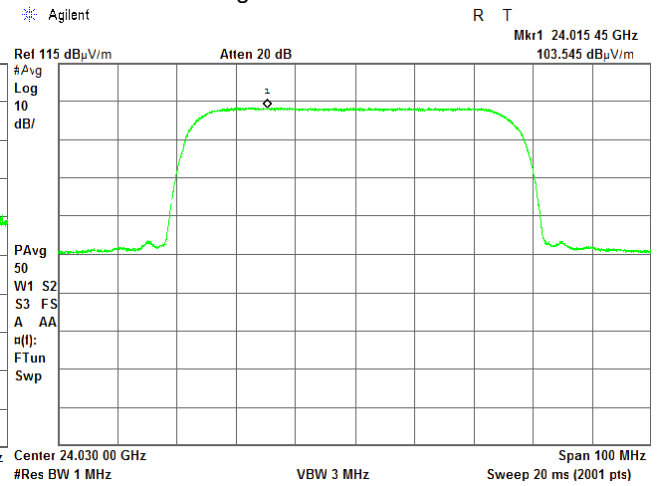
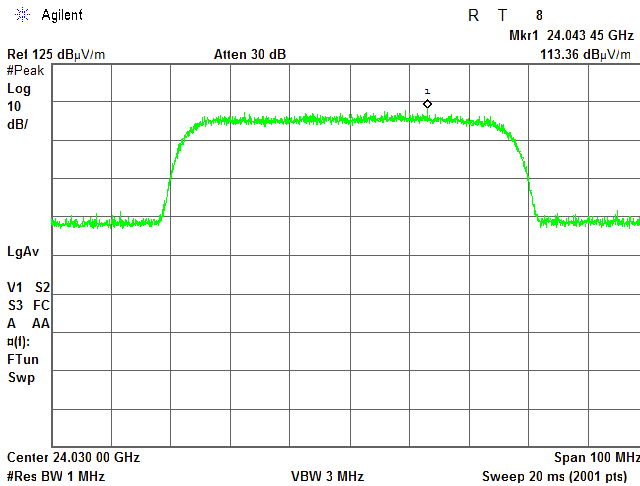
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.43 Radiated emission measurements at the fundamental frequency

TEST SITE:
 TEST DISTANCE:
 ANTENNA POLARIZATION:
 EUT POSITION:
 EMISSION BANDWIDTH:
 MODULATION:
 CARRIER FREQUENCY:
 DETECTOR: Peak

OATS
 3 m
 Horizontal
 Typical (Vertical)
 60 MHz
 2048QAM
 Low
 DETECTOR: Average





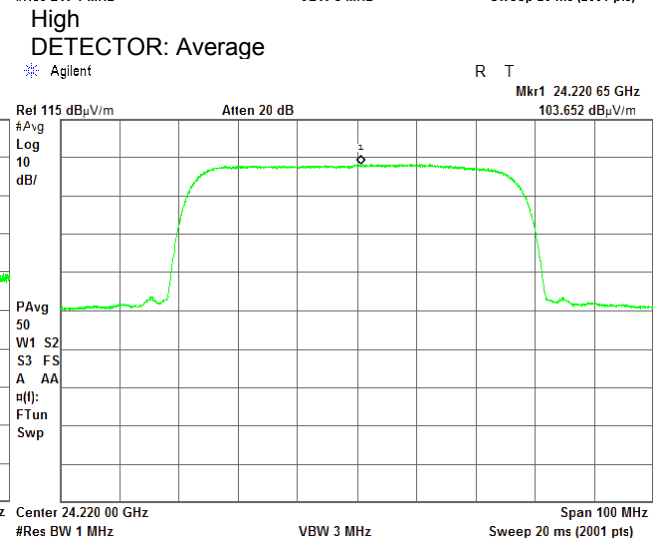
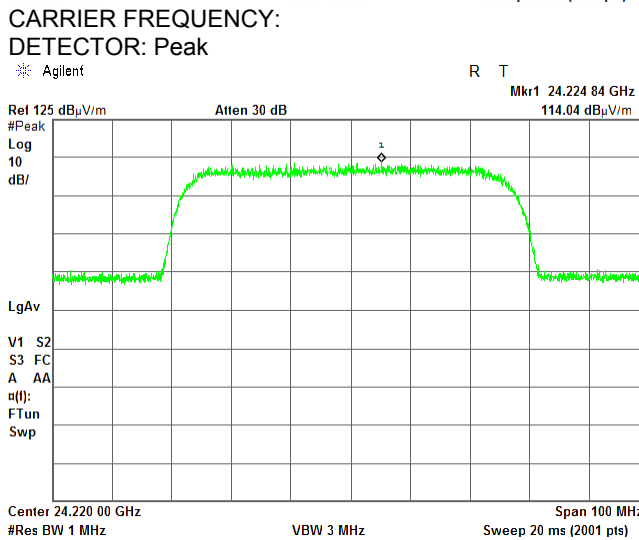
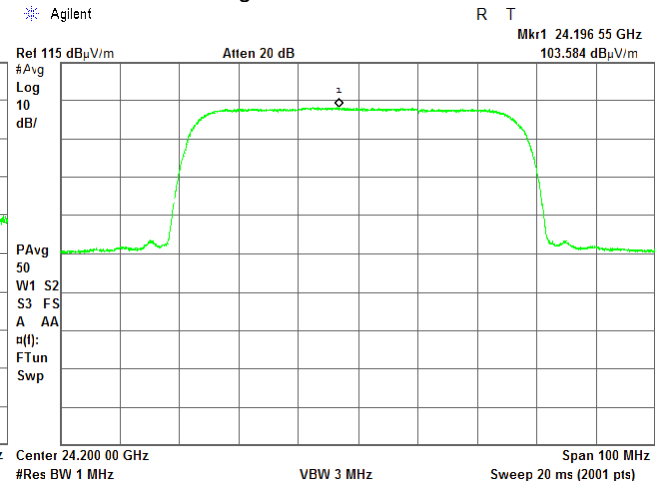
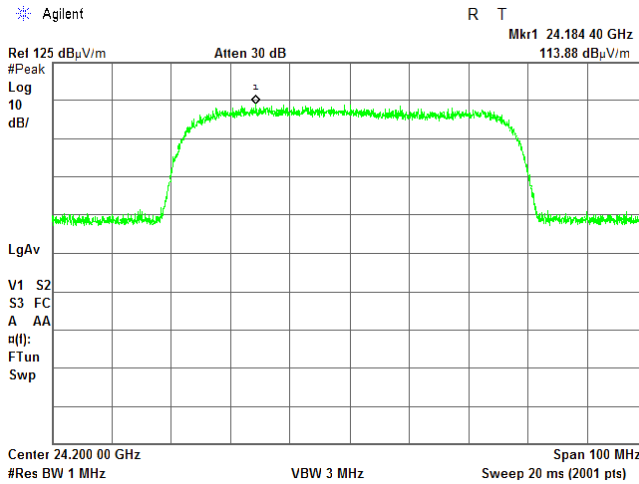
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.44 Radiated emission measurements at the fundamental frequency

TEST SITE:
TEST DISTANCE:
ANTENNA POLARIZATION:
EUT POSITION:
EMISSION BANDWIDTH:
MODULATION:
CARRIER FREQUENCY:
DETECTOR: Peak

OATS
3 m
Horizontal
Typical (Vertical)
60 MHz
2048QAM
Mid
DETECTOR: Average





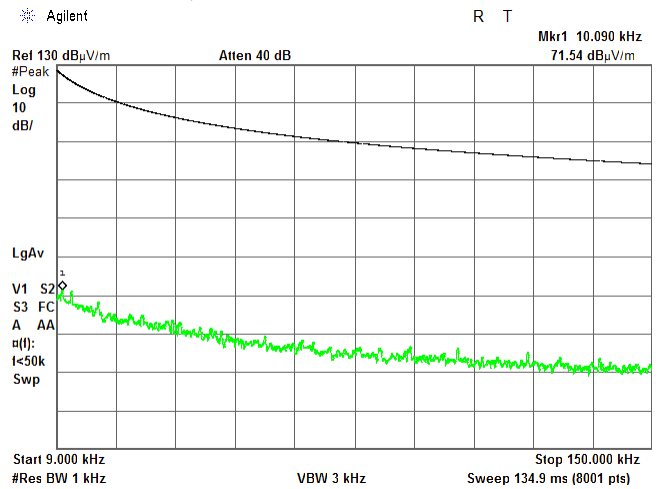
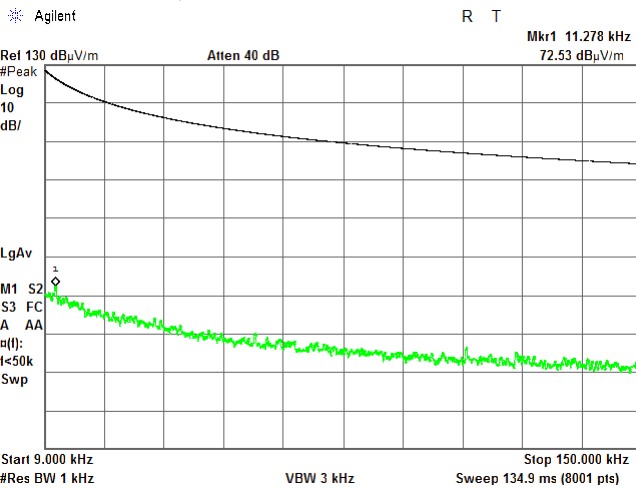
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.45 Radiated emission measurements from 9 to 150 kHz

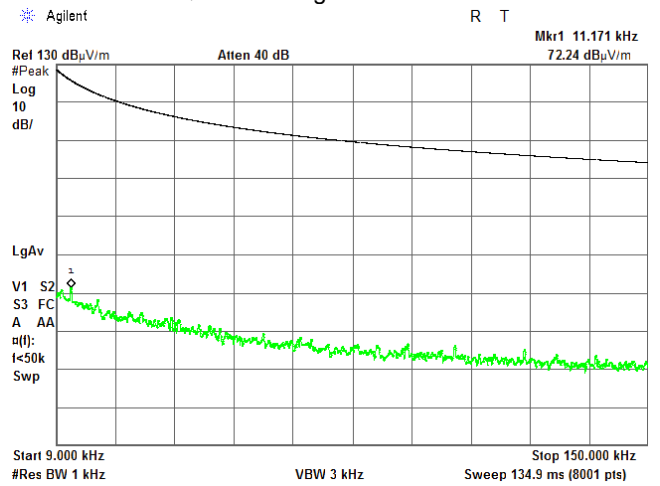
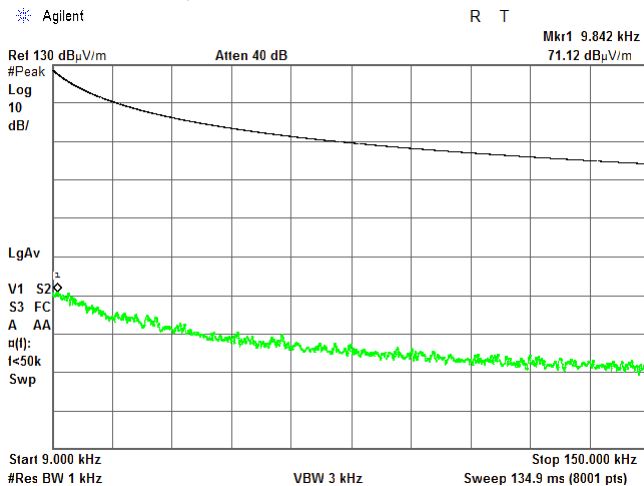
TEST SITE:
 TEST DISTANCE:
 ANTENNA POLARIZATION:
 EUT POSITION:
 EMISSION BANDWIDTH:
 CARRIER FREQUENCY: Low

OATS
 3 m
 Vertical
 Typical (Vertical)
 20 MHz
 CARRIER FREQUENCY: Mid



CARRIER FREQUENCY: Mid

CARRIER FREQUENCY: High





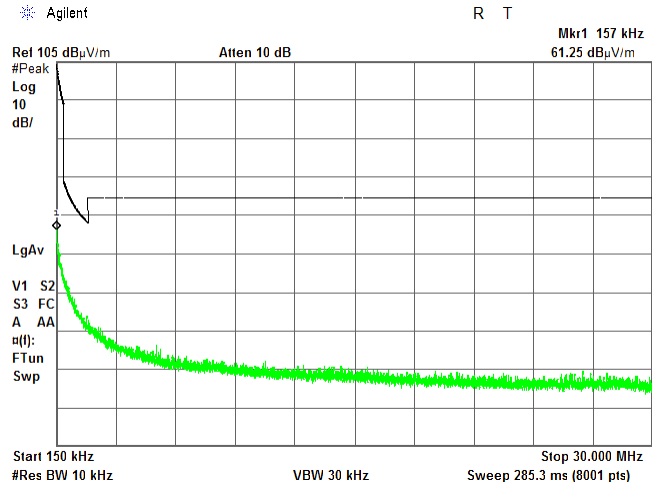
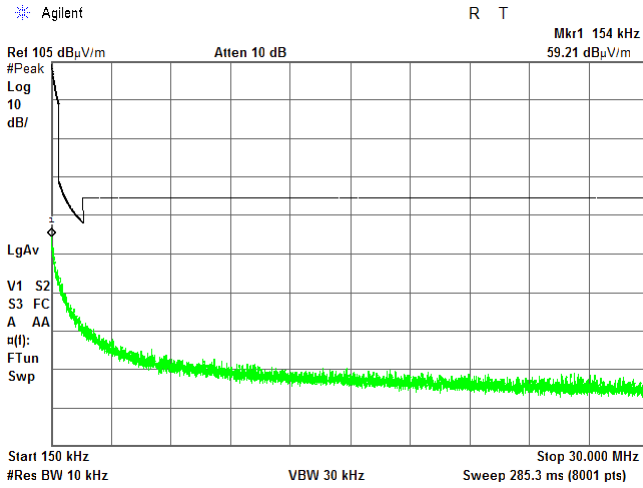
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.46 Radiated emission measurements from 0.15 to 30 MHz

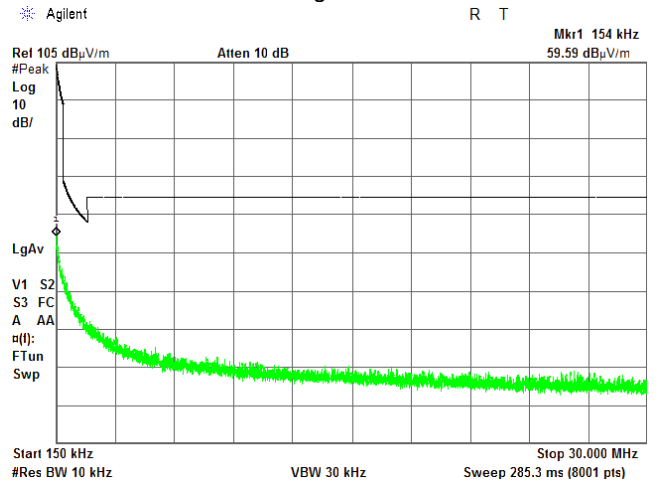
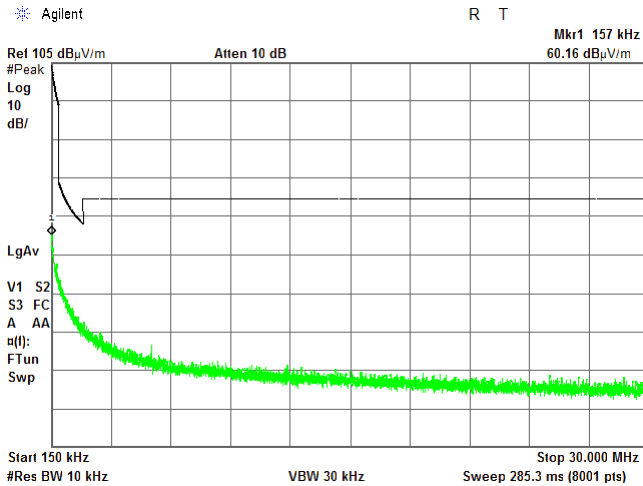
TEST SITE:
TEST DISTANCE:
ANTENNA POLARIZATION:
EUT POSITION:
EMISSION BANDWIDTH:
CARRIER FREQUENCY: Low

OATS
3 m
Vertical
Typical (Vertical)
20 MHz
CARRIER FREQUENCY: Mid



CARRIER FREQUENCY: Mid

CARRIER FREQUENCY: High



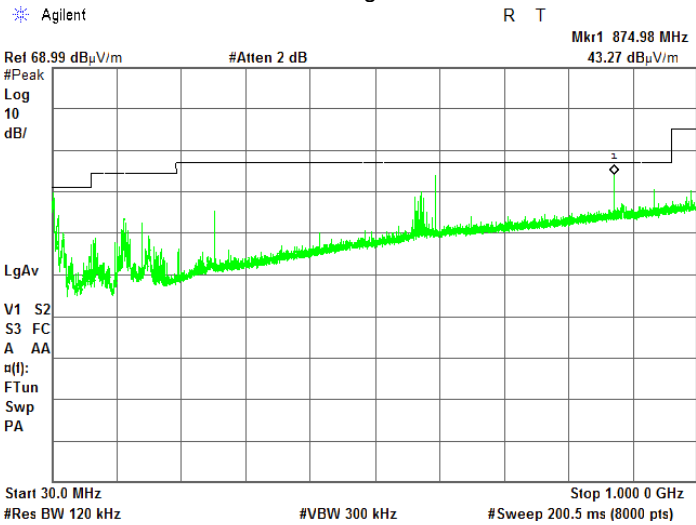


HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

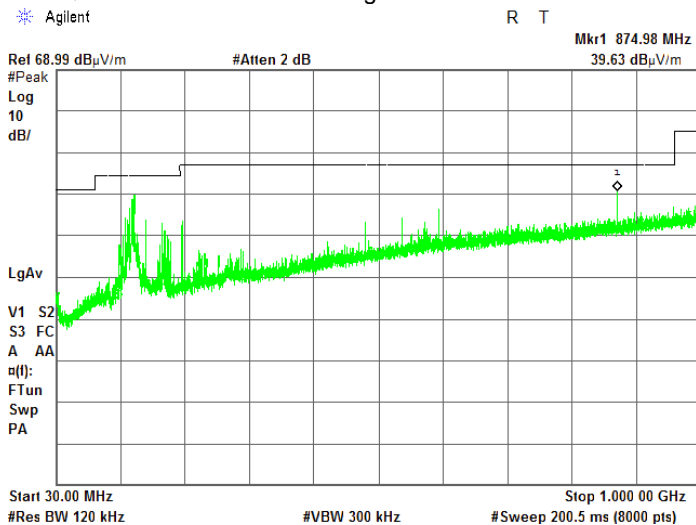
Plot 7.2.47 Radiated emission measurements from 30 to 1000 MHz

TEST SITE: Semi anechoic chamber
 TEST DISTANCE: 3 m
 ANTENNA POLARIZATION: Vertical
 EUT POSITION: Typical (Vertical)
 EMISSION BANDWIDTH: 20 MHz
 CARRIER FREQUENCY: Low/Mid /High



Plot 7.2.48 Radiated emission measurements from 30 to 1000 MHz

TEST SITE: Semi anechoic chamber
 TEST DISTANCE: 3 m
 ANTENNA POLARIZATION: Horizontal
 EUT POSITION: Typical (Vertical)
 EMISSION BANDWIDTH: 20 MHz
 CARRIER FREQUENCY: Low/Mid /High



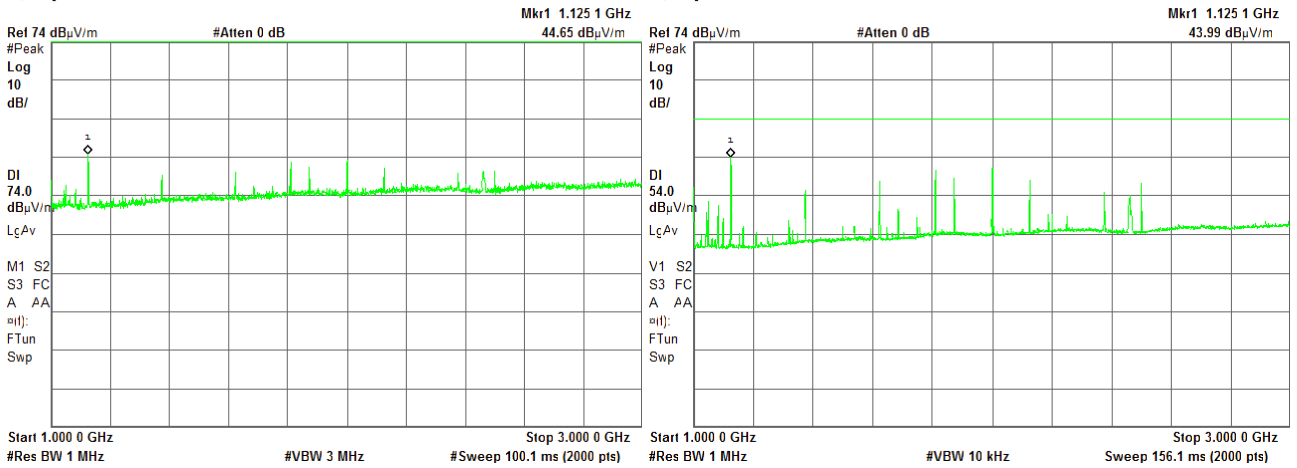


HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

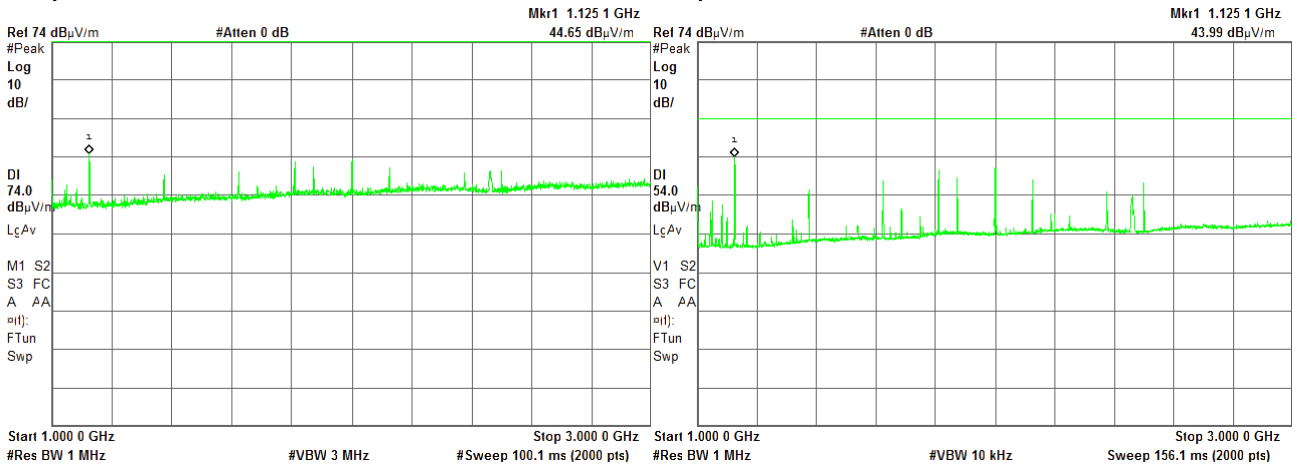
Plot 7.2.49 Radiated emission measurements from 1.0 to 3.0MHz

TEST SITE:	Semi anechoic chamber
TEST DISTANCE:	3 m
ANTENNA POLARIZATION:	Vertical
EUT POSITION:	Typical (Vertical)
EMISSION BANDWIDTH:	20 MHz
CARRIER FREQUENCY:	Low/Mid /High
DETECTOR PEAK: RBW = 1 MHz; VBW = 3 MHz	DETECTOR AVERAGE: RBW = 1 MHz; VBW = 10 kHz
* Agilent R T	* Agilent R T



Plot 7.2.50 Radiated emission measurements from 1.0 to 3.0MHz

TEST SITE:	Semi anechoic chamber
TEST DISTANCE:	3 m
ANTENNA POLARIZATION:	Horizontal
EUT POSITION:	Typical (Vertical)
EMISSION BANDWIDTH:	20 MHz
CARRIER FREQUENCY:	Low/Mid /High
DETECTOR PEAK: RBW = 1 MHz; VBW = 3 MHz	DETECTOR AVERAGE: RBW = 1 MHz; VBW = 10 kHz
* Agilent R T	* Agilent R T



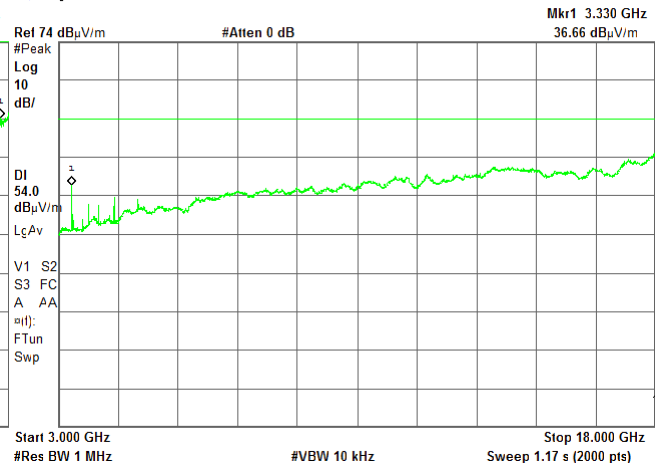
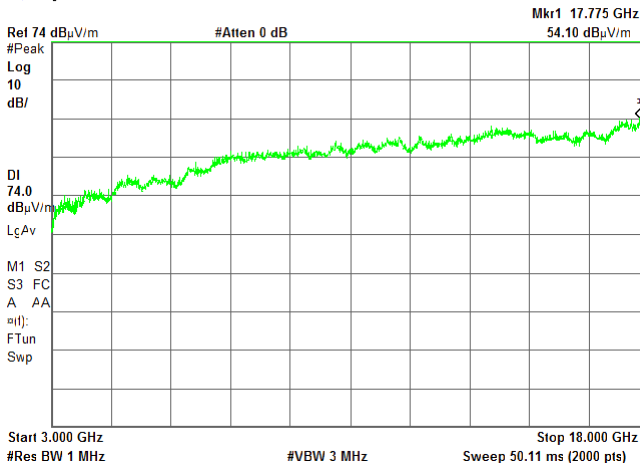


HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.51 Radiated emission measurements from 3.0 to 18.0 GHz

TEST SITE:	Semi anechoic chamber
TEST DISTANCE:	3 m
ANTENNA POLARIZATION:	Vertical and Horizontal
EUT POSITION:	Typical (Vertical)
EMISSION BANDWIDTH:	20 MHz
CARRIER FREQUENCY:	Low/Mid /High
DETECTOR PEAK: RBW = 1 MHz; VBW = 3 MHz	DETECTOR AVERAGE: RBW = 1 MHz; VBW = 10 kHz
✱ Agilent R T	✱ Agilent R T





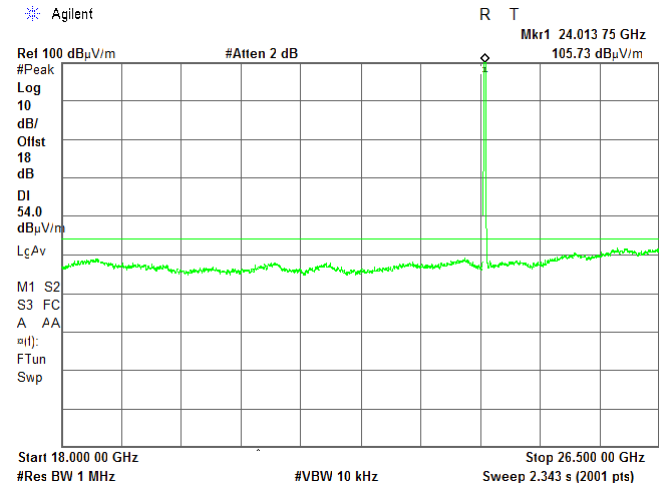
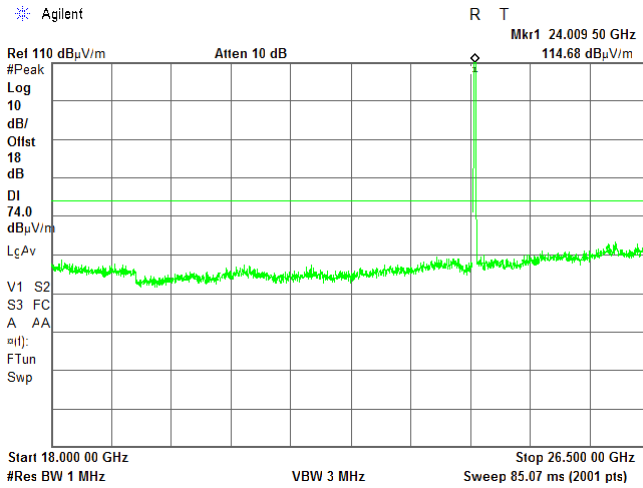
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

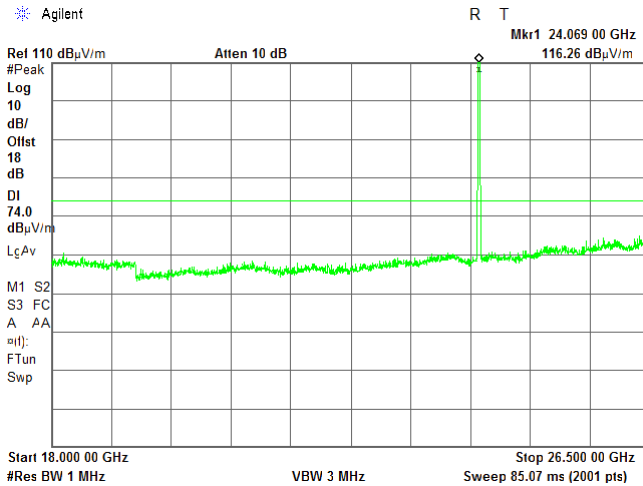
Plot 7.2.52 Radiated emission measurements from 18.0 to 26.5 GHz

TEST SITE:
TEST DISTANCE:
ANTENNA POLARIZATION:
EUT POSITION:
DETECTOR PEAK: RBW = 1 MHz; VBW = 3 MHz
CARRIER FREQUENCY:

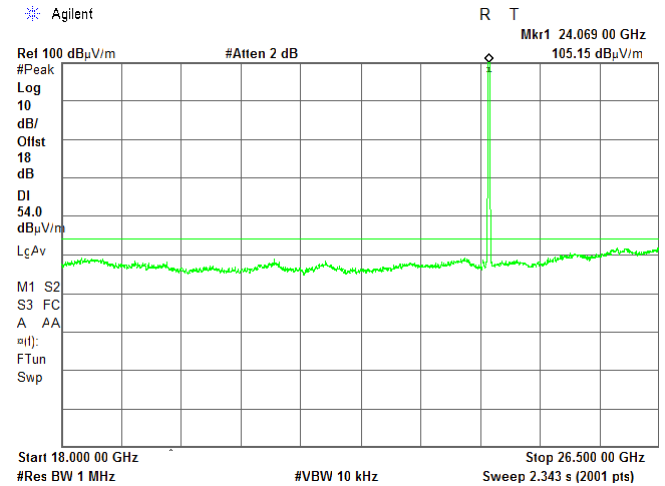
OATS
3 m
Vertical and Horizontal
Typical (Vertical)
DETECTOR AVERAGE: RBW = 1 MHz; VBW = 10 kHz
Low



CARRIER FREQUENCY:



Mid





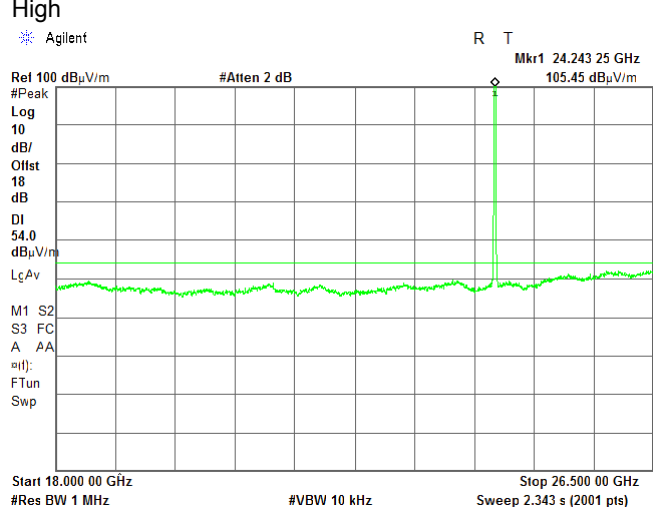
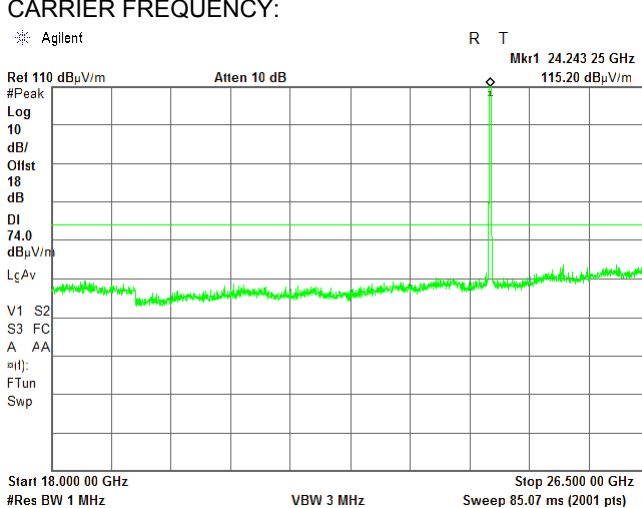
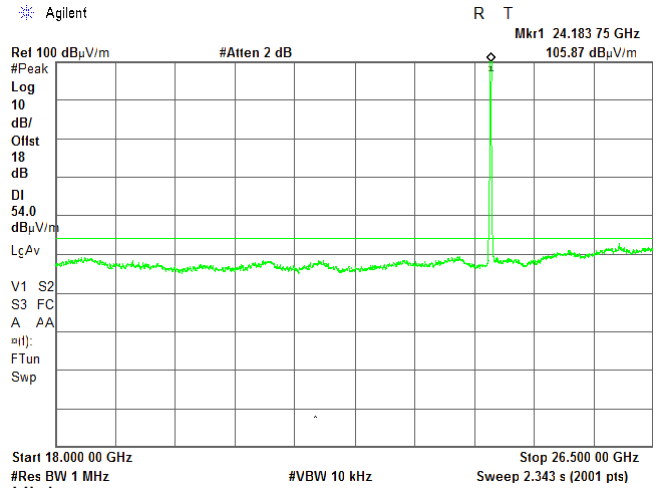
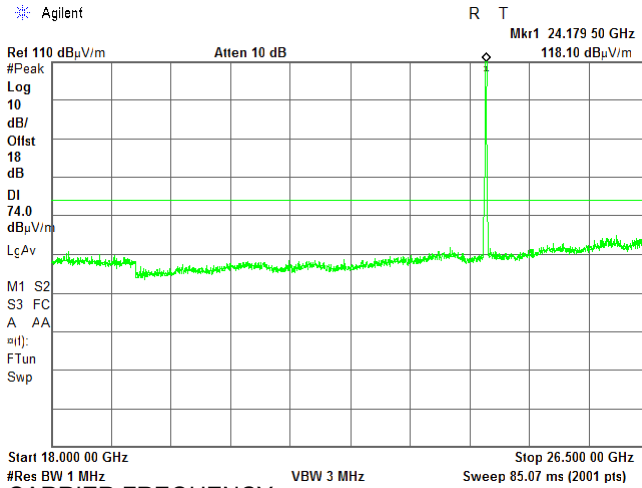
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.53 Radiated emission measurements from 18.0 to 26.5 GHz

TEST SITE:
 TEST DISTANCE:
 ANTENNA POLARIZATION:
 EUT POSITION:
 DETECTOR PEAK: RBW = 1 MHz; VBW = 3 MHz
 CARRIER FREQUENCY:

OATS
 3 m
 Vertical and Horizontal
 Typical (Vertical)
 DETECTOR AVERAGE: RBW = 1 MHz; VBW = 10 kHz
 Mid



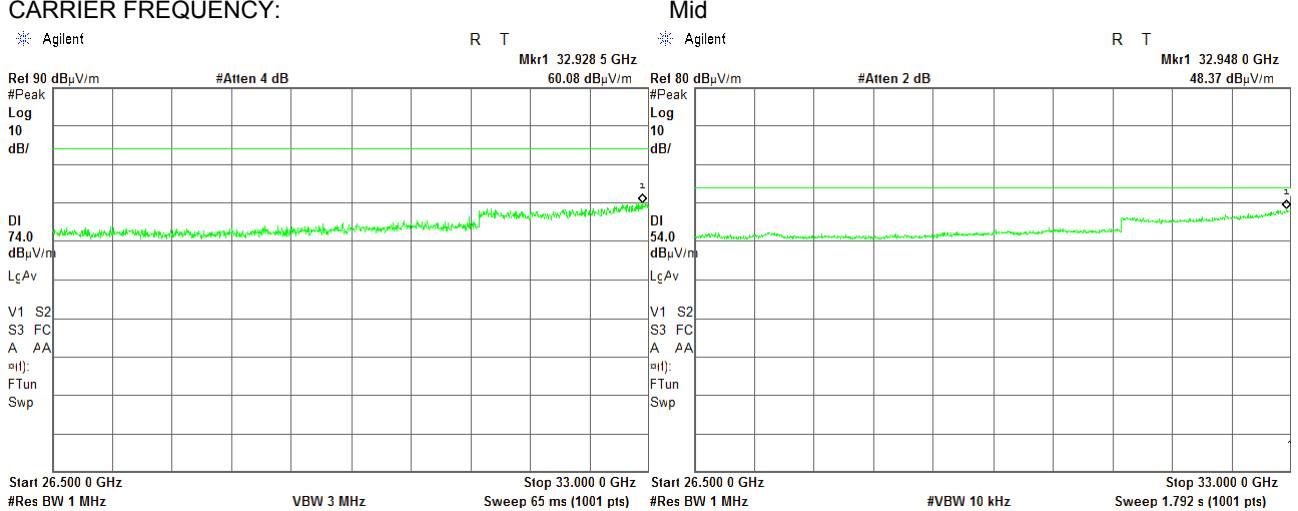
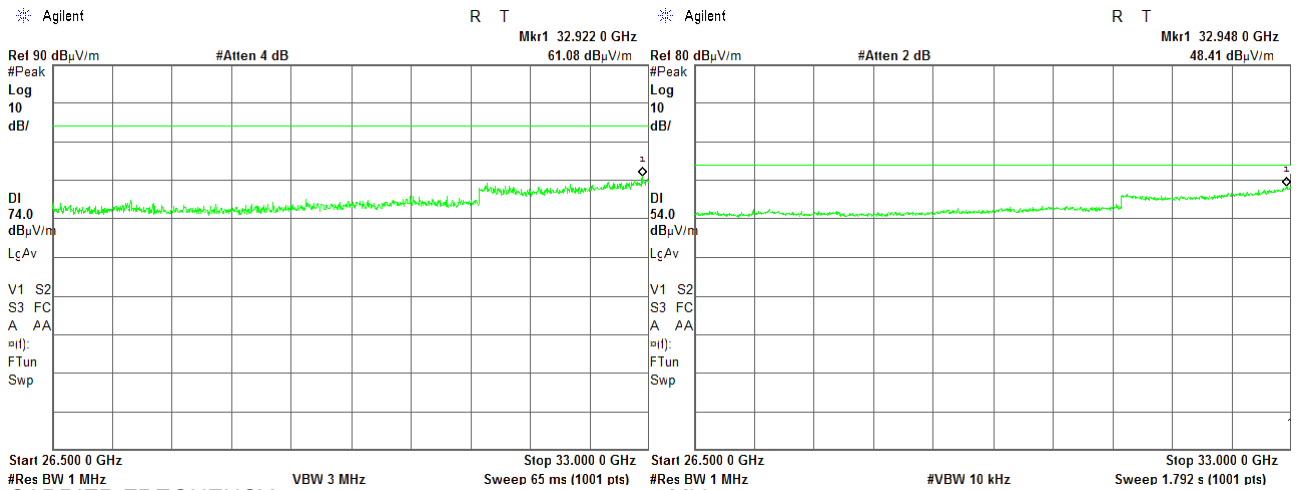


HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.54 Radiated emission measurements from 26.5 to 33.0 GHz

TEST SITE:	OATS
TEST DISTANCE:	0.5 m
ANTENNA POLARIZATION:	Vertical and Horizontal
EMISSION BANDWIDTH:	5 MHz
EUT POSITION:	Typical (Vertical)
DETECTOR PEAK: RBW = 1 MHz; VBW = 3 MHz	DETECTOR AVERAGE: RBW = 1 MHz; VBW = 10 kHz
CARRIER FREQUENCY:	Low



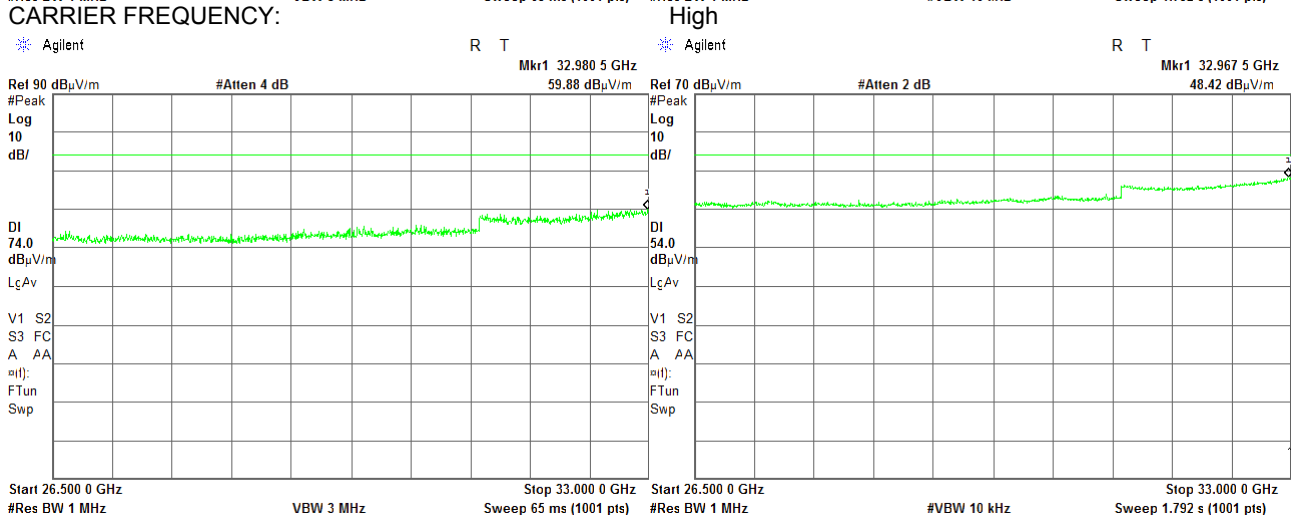
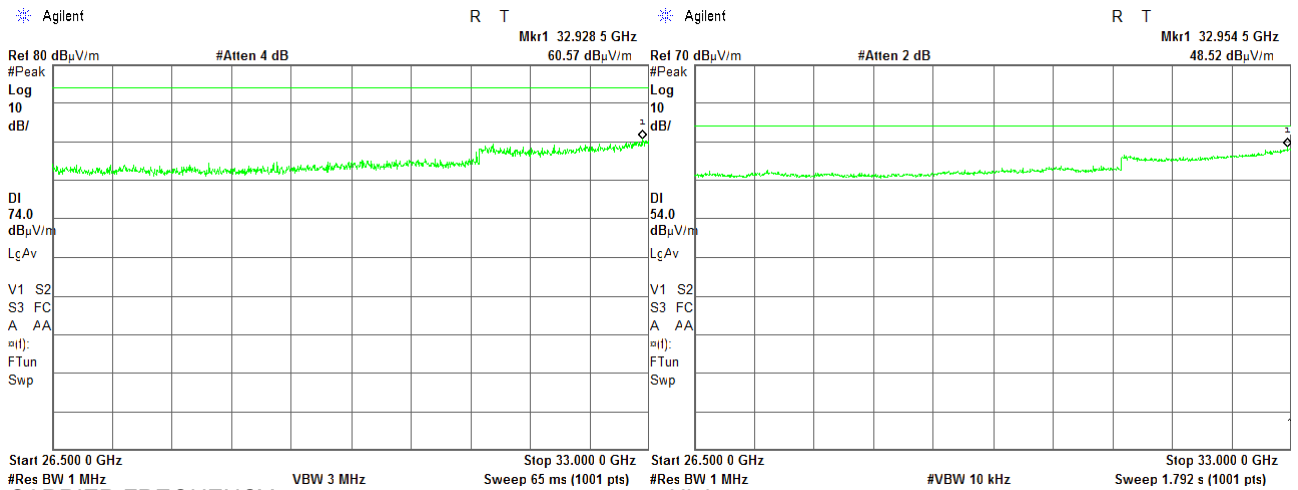


HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.55 Radiated emission measurements from 26.5 to 33.0 GHz

TEST SITE:	OATS
TEST DISTANCE:	0.5 m
ANTENNA POLARIZATION:	Vertical and Horizontal
EMISSION BANDWIDTH:	5 MHz
EUT POSITION:	Typical (Vertical)
DETECTOR PEAK: RBW = 1 MHz; VBW = 3 MHz	DETECTOR AVERAGE: RBW = 1 MHz; VBW = 10 kHz
CARRIER FREQUENCY:	Mid



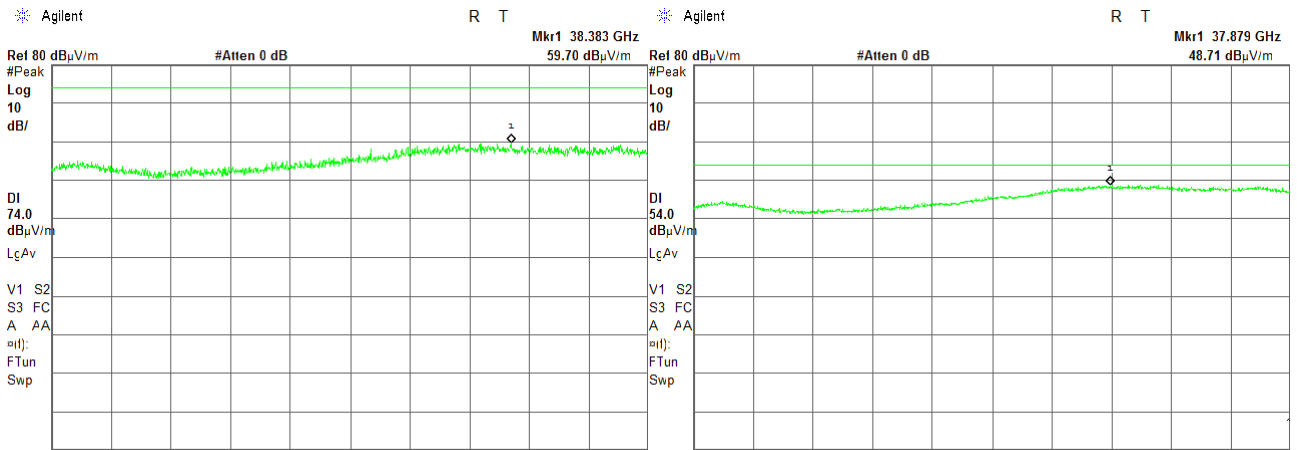


HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

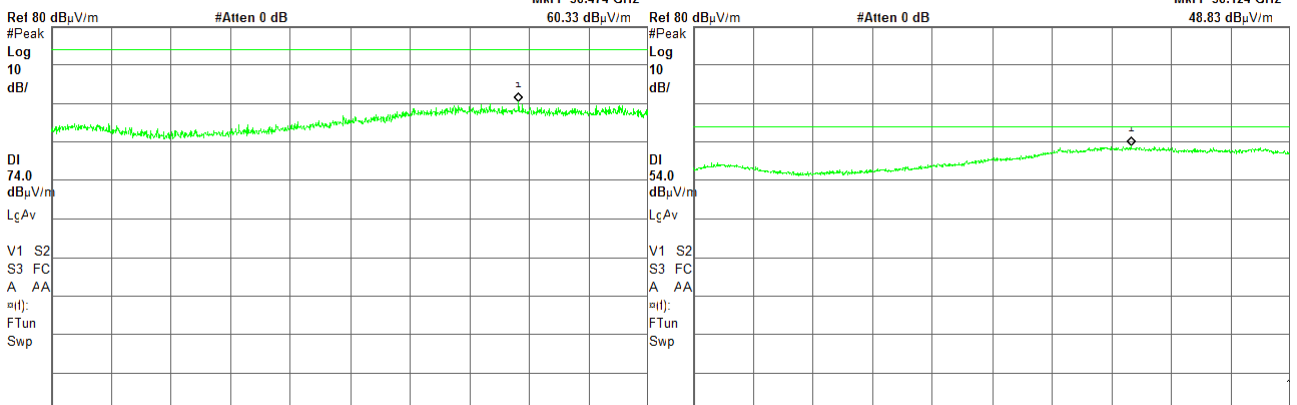
Plot 7.2.56 Radiated emission measurements from 33.0 to 40.0 GHz

TEST SITE:	OATS
TEST DISTANCE:	0.5 m
ANTENNA POLARIZATION:	Vertical and Horizontal
EMISSION BANDWIDTH:	5 MHz
EUT POSITION:	Typical (Vertical)
DETECTOR PEAK: RBW = 1 MHz; VBW = 3 MHz	DETECTOR AVERAGE: RBW = 1 MHz; VBW = 10 kHz
CARRIER FREQUENCY:	Low



Start 33.000 GHz	Stop 40.000 GHz	Center 36.500 GHz	Span 7 GHz
#Res BW 1 MHz	VBW 3 MHz	#Res BW 1 MHz	#VBW 10 kHz
Sweep 70 ms (1001 pts)		Sweep 1.93 s (1001 pts)	

CARRIER FREQUENCY: Mid



Start 33.000 GHz	Stop 40.000 GHz	Center 36.500 GHz	Span 7 GHz
#Res BW 1 MHz	VBW 3 MHz	#Res BW 1 MHz	#VBW 10 kHz
Sweep 70 ms (1001 pts)		Sweep 1.93 s (1001 pts)	

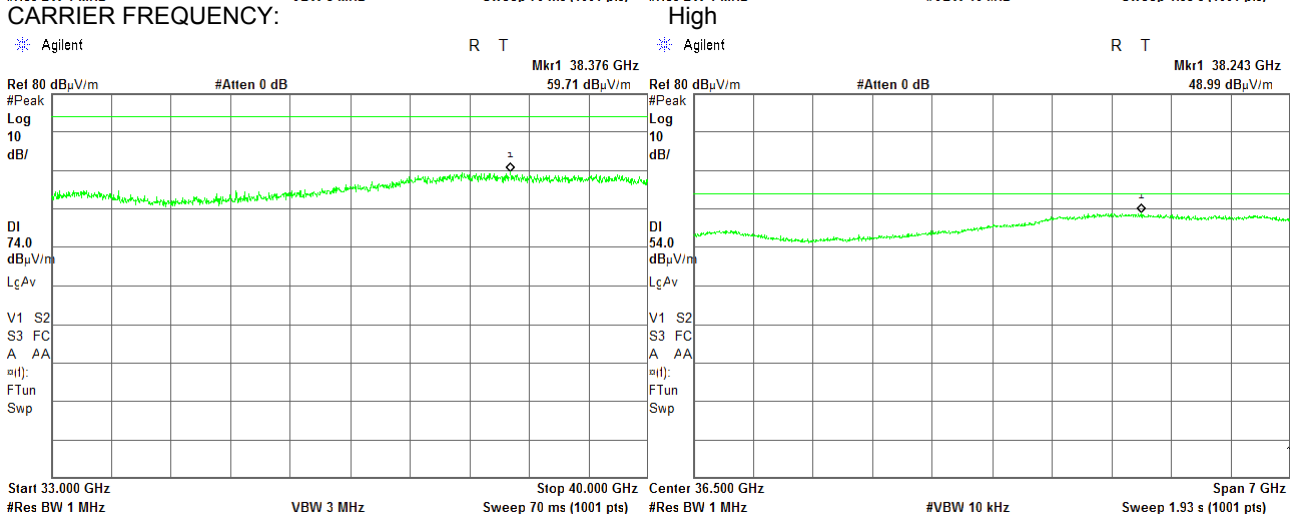
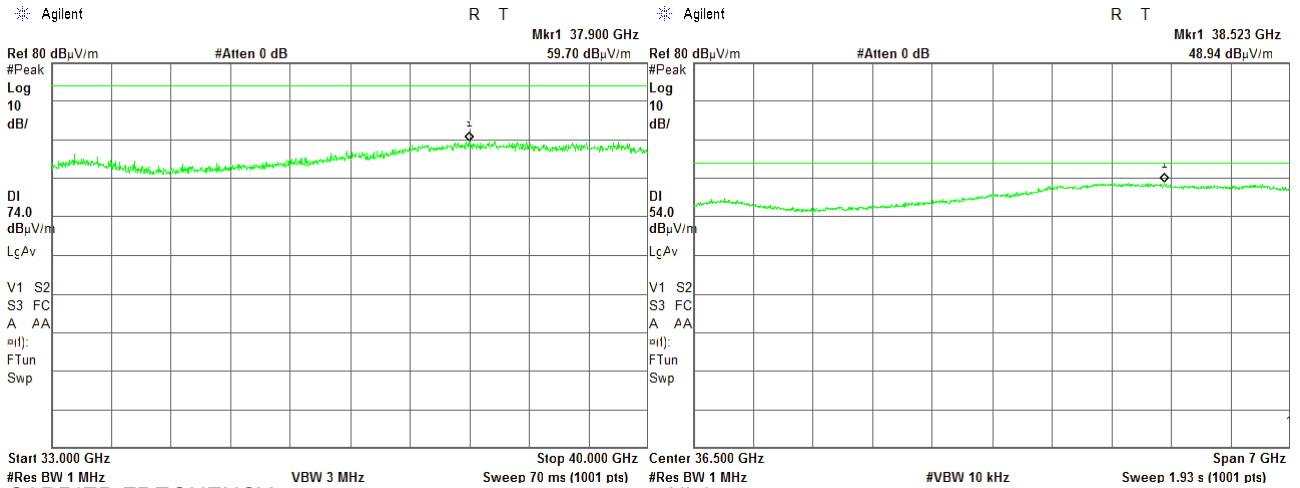


HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.57 Radiated emission measurements from 33.0 to 40.0 GHz

TEST SITE:	OATS
TEST DISTANCE:	0.5 m
ANTENNA POLARIZATION:	Vertical and Horizontal
EMISSION BANDWIDTH:	5 MHz
EUT POSITION:	Typical (Vertical)
DETECTOR PEAK: RBW = 1 MHz; VBW = 3 MHz	DETECTOR AVERAGE: RBW = 1 MHz; VBW = 10 kHz
CARRIER FREQUENCY:	Mid



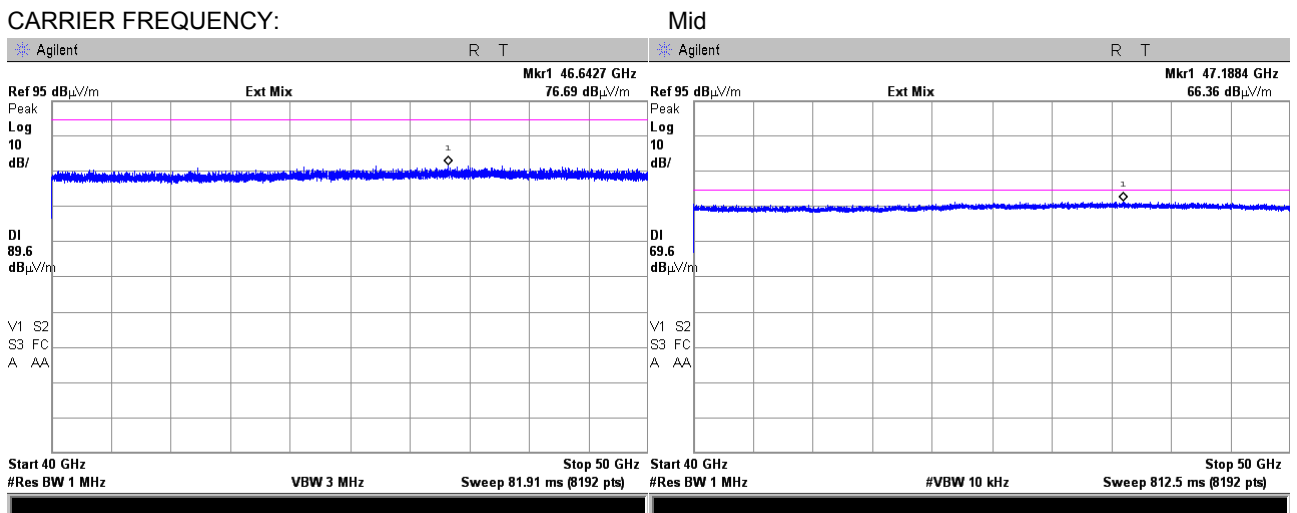
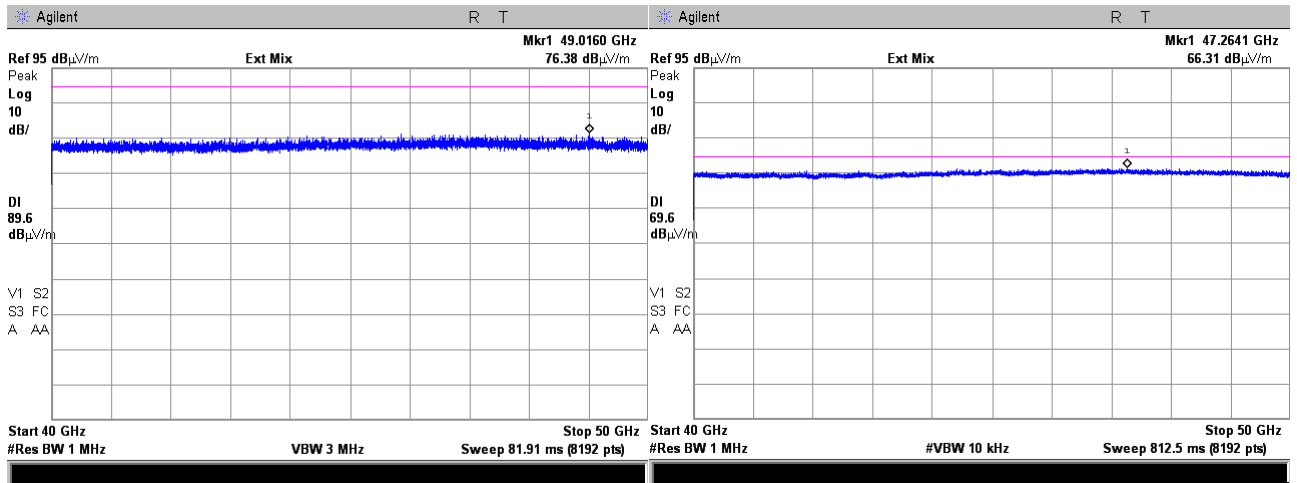


HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.58 Radiated emission measurements from 40.0 to 50.0 GHz

TEST SITE:	OATS
TEST DISTANCE:	0.5 m
ANTENNA POLARIZATION:	Vertical and Horizontal
EUT POSITION:	Typical (Vertical)
DETECTOR PEAK: RBW = 1 MHz; VBW = 3 MHz	DETECTOR AVERAGE: RBW = 1 MHz; VBW = 10 kHz
CARRIER FREQUENCY:	Low



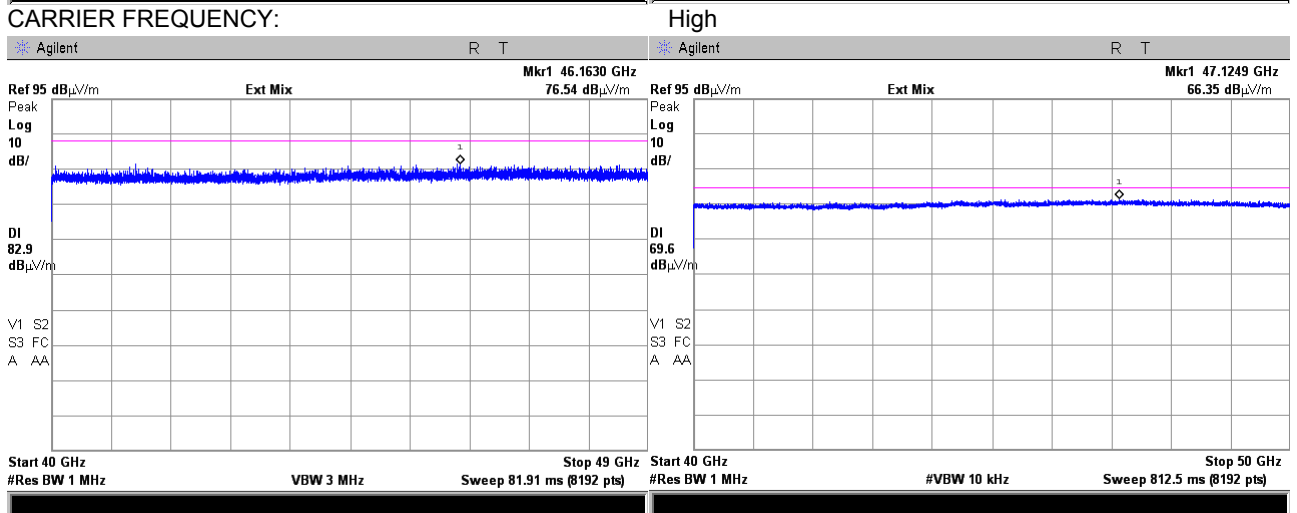
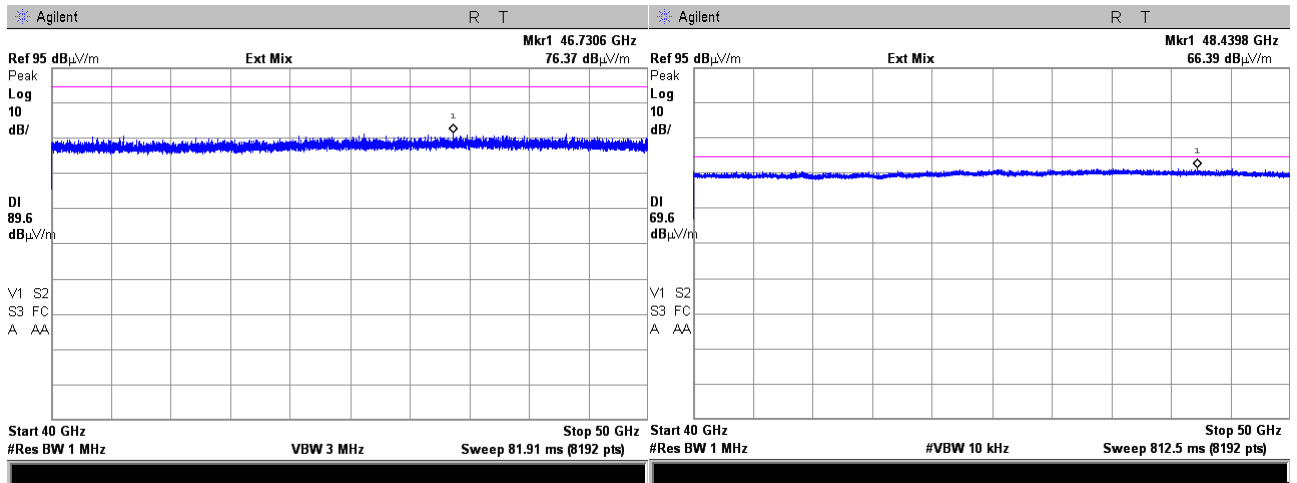


HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.59 Radiated emission measurements from 40.0 to 50.0 GHz

TEST SITE:	OATS
TEST DISTANCE:	0.5 m
ANTENNA POLARIZATION:	Vertical and Horizontal
EUT POSITION:	Typical (Vertical)
DETECTOR PEAK: RBW = 1 MHz; VBW = 3 MHz	DETECTOR AVERAGE: RBW = 1 MHz; VBW = 10 kHz
CARRIER FREQUENCY:	Mid





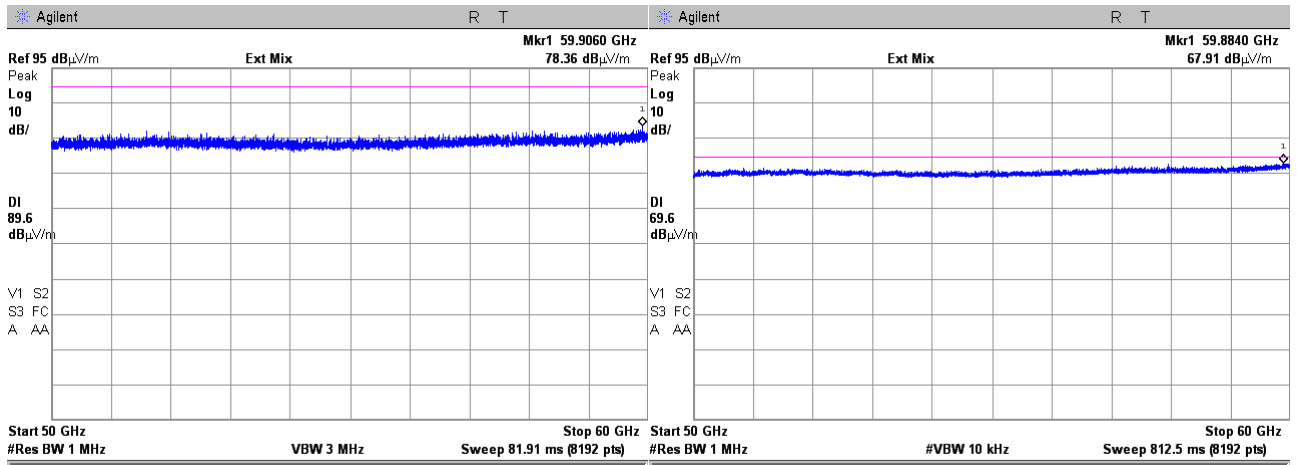
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.60 Radiated emission measurements from 50.0 to 60.0 GHz

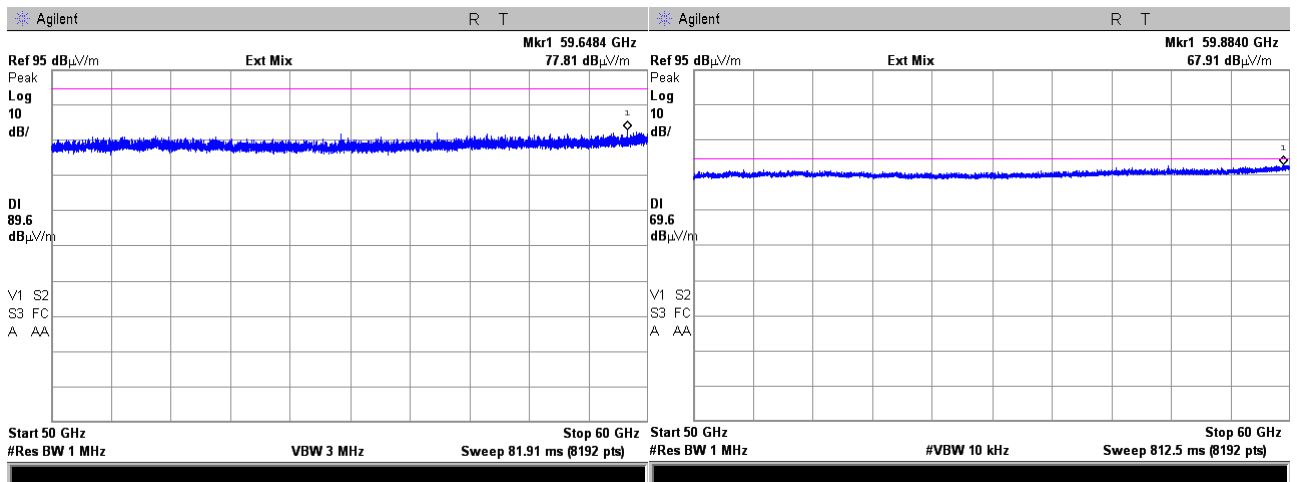
TEST SITE:
 TEST DISTANCE:
 ANTENNA POLARIZATION:
 EUT POSITION:
 DETECTOR PEAK: RBW = 1 MHz; VBW = 3 MHz
 CARRIER FREQUENCY:

OATS
 0.5 m
 Vertical and Horizontal
 Typical (Vertical)
 DETECTOR AVERAGE: RBW = 1 MHz; VBW = 10 kHz
 Low



CARRIER FREQUENCY:

Mid





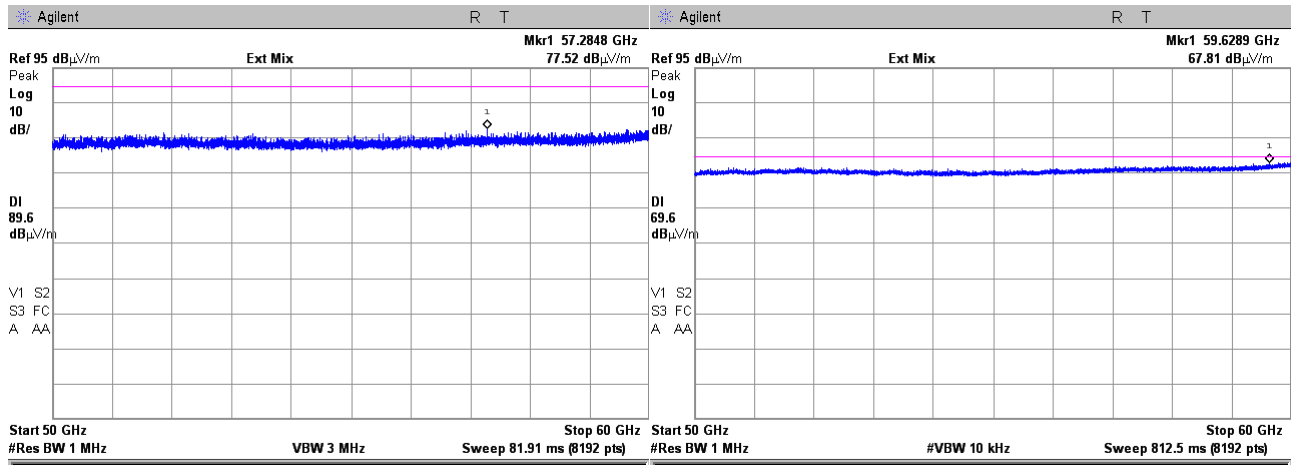
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.61 Radiated emission measurements from 50.0 to 60.0 GHz

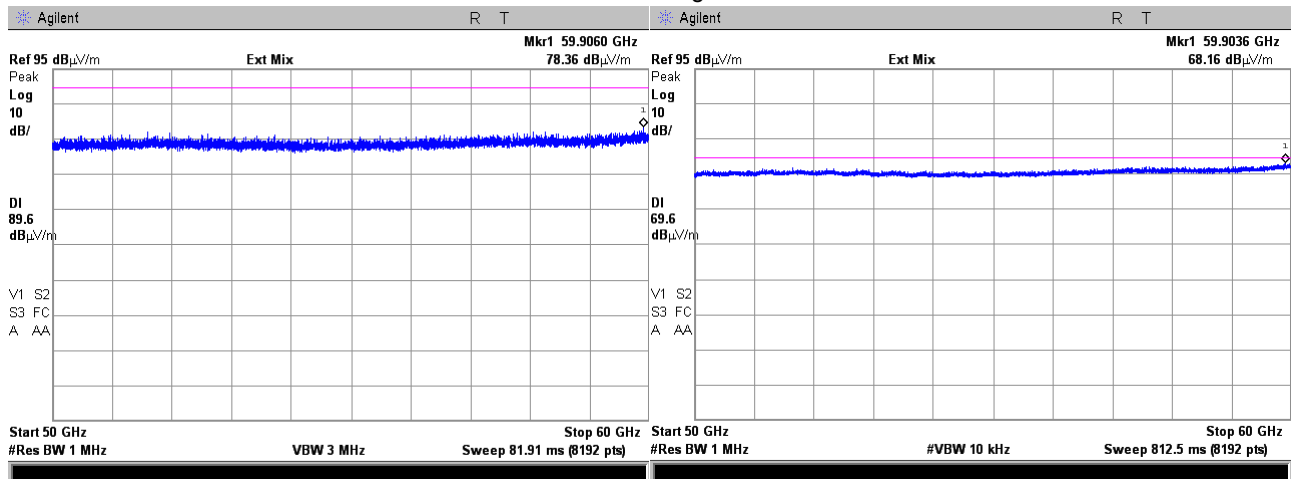
TEST SITE:
TEST DISTANCE:
ANTENNA POLARIZATION:
EUT POSITION:
DETECTOR PEAK: RBW = 1 MHz; VBW = 3 MHz
CARRIER FREQUENCY:

OATS
0.5 m
Vertical and Horizontal
Typical (Vertical)
DETECTOR AVERAGE: RBW = 1 MHz; VBW = 10 kHz
Mid



CARRIER FREQUENCY:

High





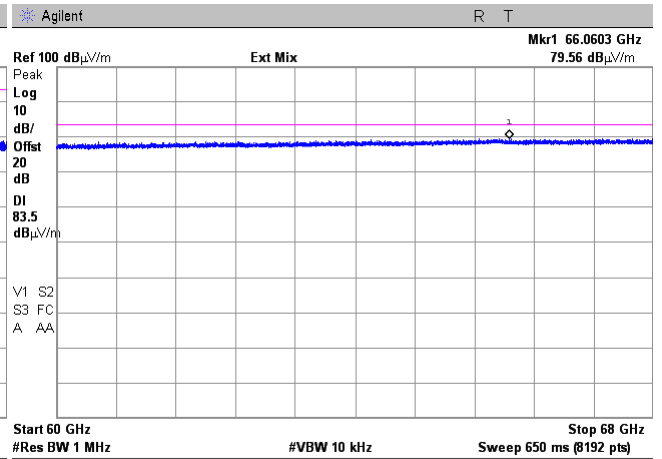
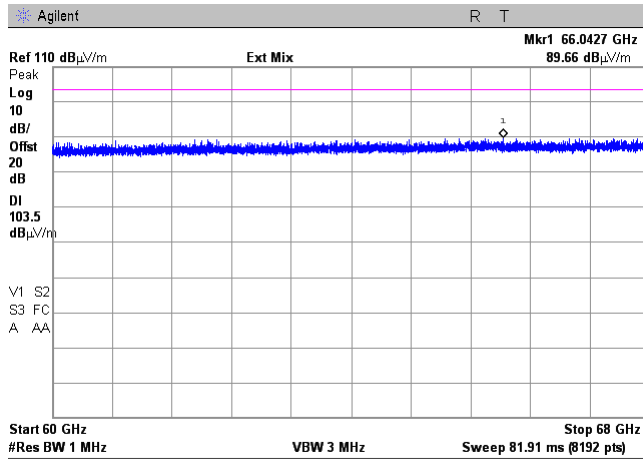
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.62 Radiated emission measurements from 60.0 to 68.0 GHz

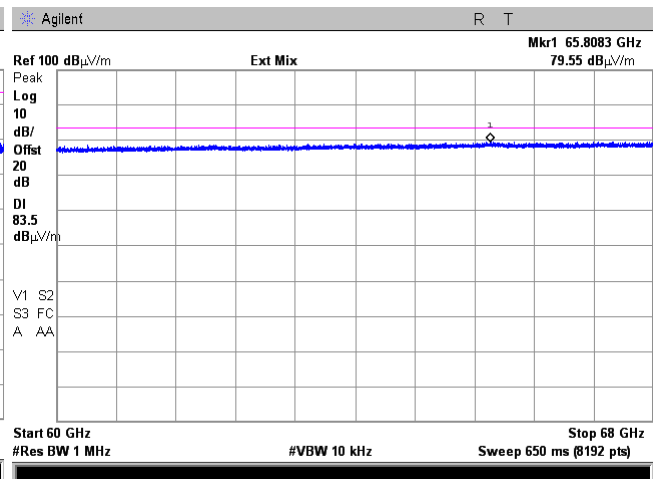
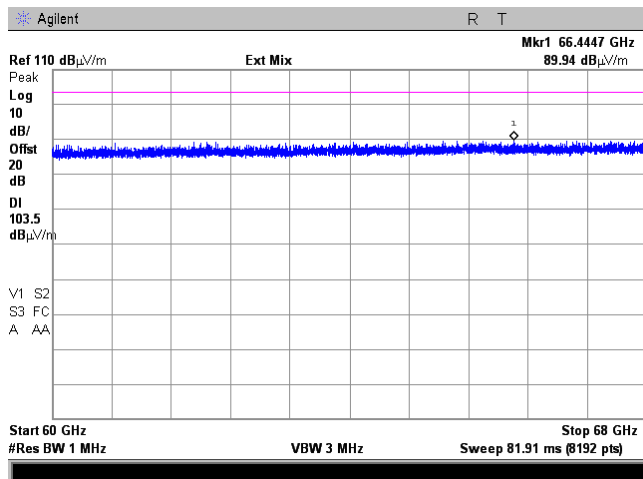
TEST SITE:
TEST DISTANCE:
ANTENNA POLARIZATION:
EUT POSITION:
DETECTOR PEAK: RBW = 1 MHz; VBW = 3 MHz
CARRIER FREQUENCY:

OATS
0.1 m
Vertical and Horizontal
Typical (Vertical)
DETECTOR AVERAGE: RBW = 1 MHz; VBW = 10 kHz
Low



CARRIER FREQUENCY:

Mid





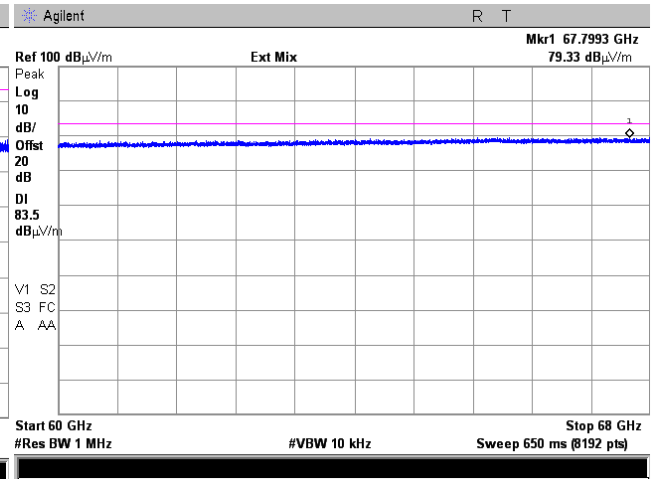
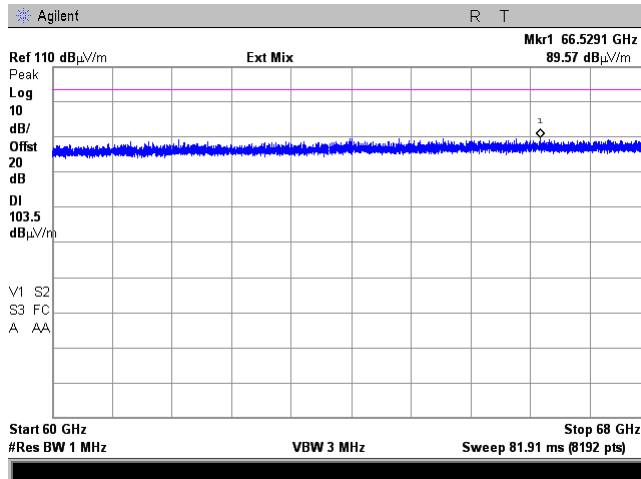
HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.63 Radiated emission measurements from 60.0 to 68.0 GHz

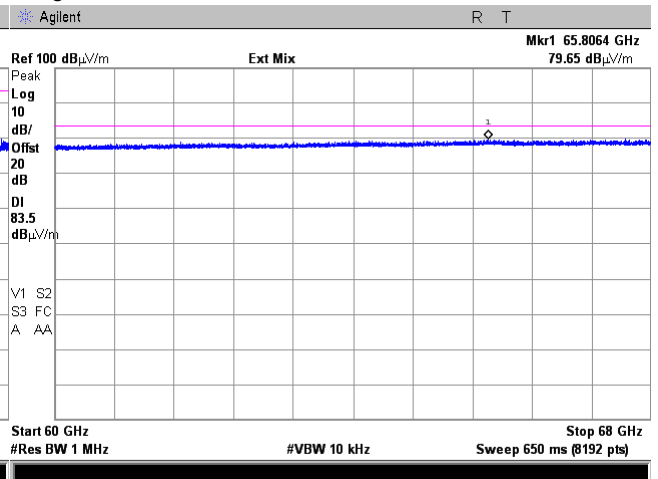
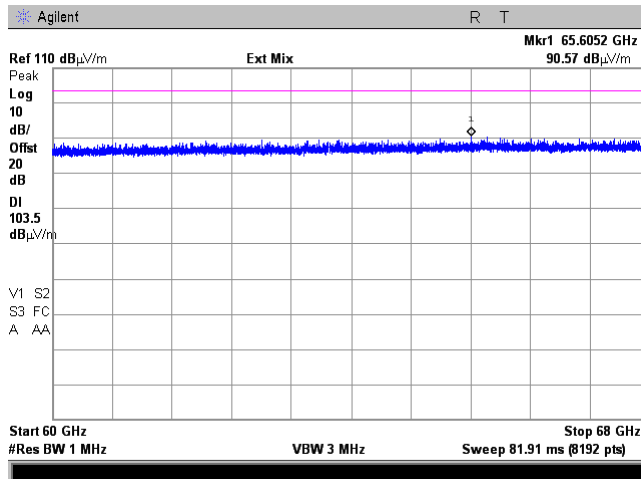
TEST SITE:
 TEST DISTANCE:
 ANTENNA POLARIZATION:
 EUT POSITION:
 DETECTOR PEAK: RBW = 1 MHz; VBW = 3 MHz
 CARRIER FREQUENCY:

OATS
 0.1 m
 Vertical and Horizontal
 Typical (Vertical)
 DETECTOR AVERAGE: RBW = 1 MHz; VBW = 10 kHz
 Mid



CARRIER FREQUENCY:

High



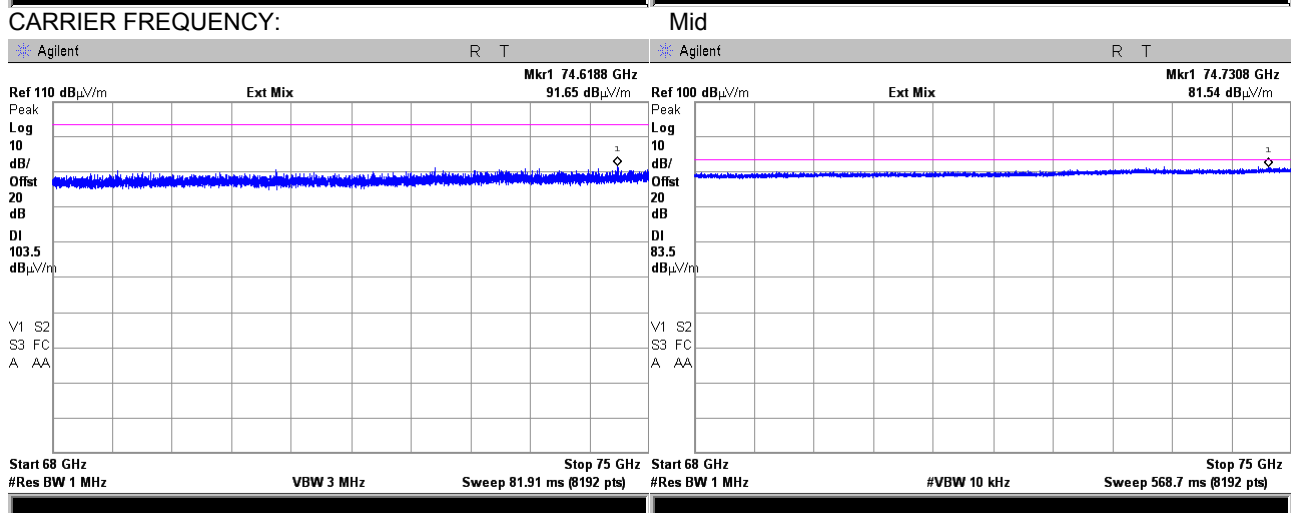
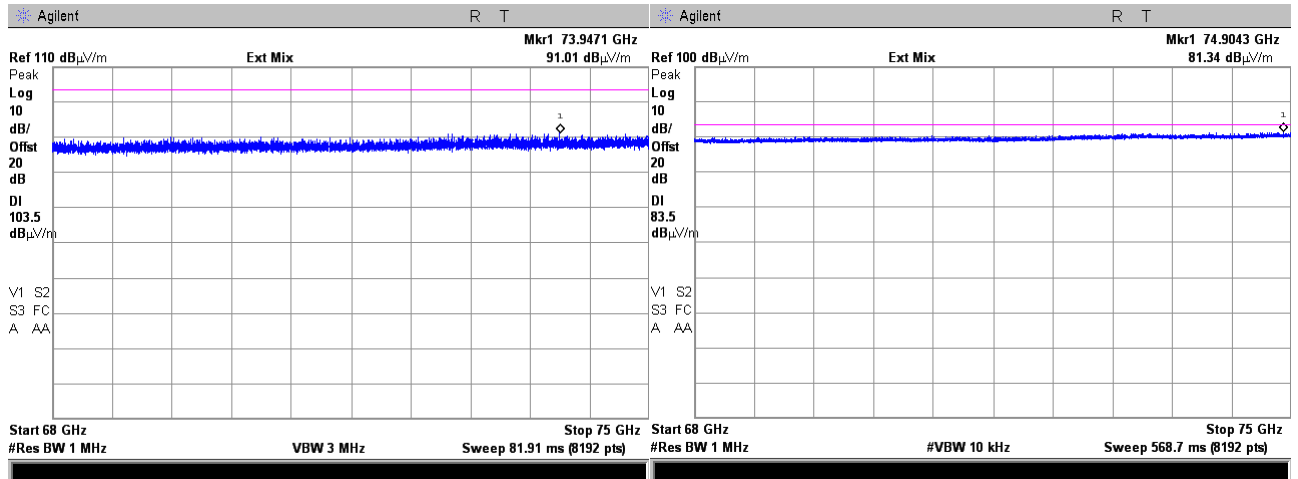


HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.64 Radiated emission measurements from 68.0 to 75.0 GHz

TEST SITE:	OATS
TEST DISTANCE:	0.1 m
ANTENNA POLARIZATION:	Vertical and Horizontal
EUT POSITION:	Typical (Vertical)
DETECTOR PEAK: RBW = 1 MHz; VBW = 3 MHz	DETECTOR AVERAGE: RBW = 1 MHz; VBW = 10 kHz
CARRIER FREQUENCY:	Low



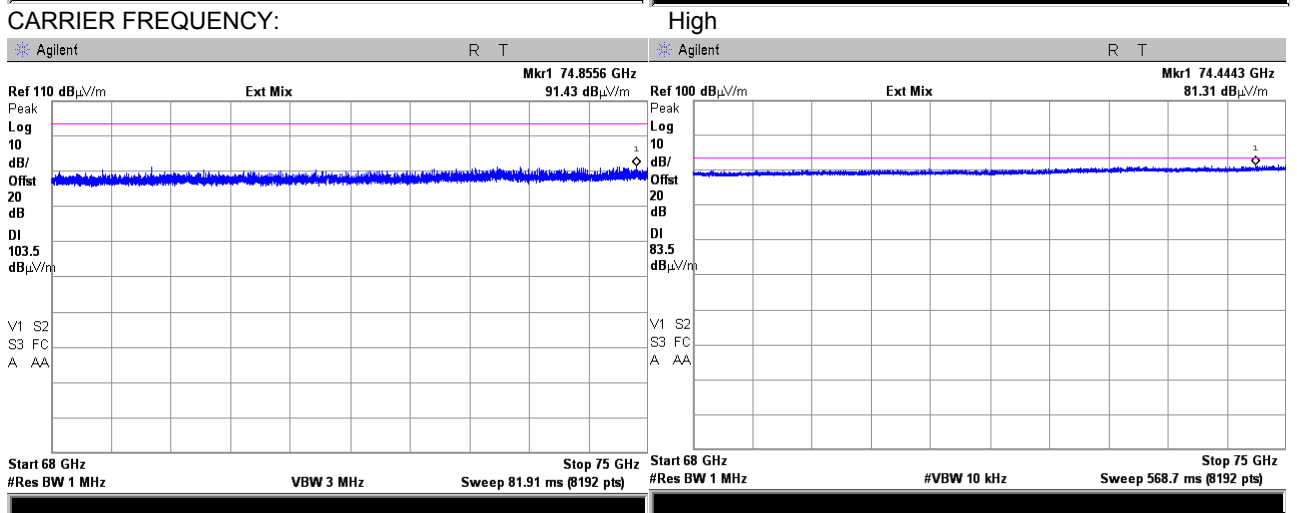
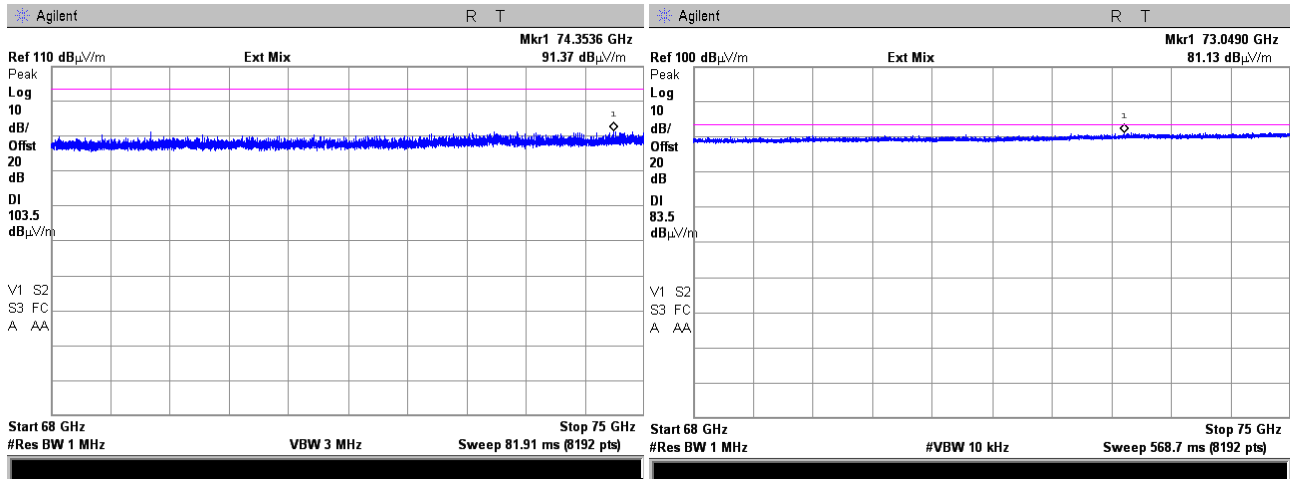


HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.65 Radiated emission measurements from 68.0 to 75.0 GHz

TEST SITE:	OATS
TEST DISTANCE:	0.1 m
ANTENNA POLARIZATION:	Vertical and Horizontal
EUT POSITION:	Typical (Vertical)
DETECTOR PEAK: RBW = 1 MHz; VBW = 3 MHz	DETECTOR AVERAGE: RBW = 1 MHz; VBW = 10 kHz
CARRIER FREQUENCY:	Mid



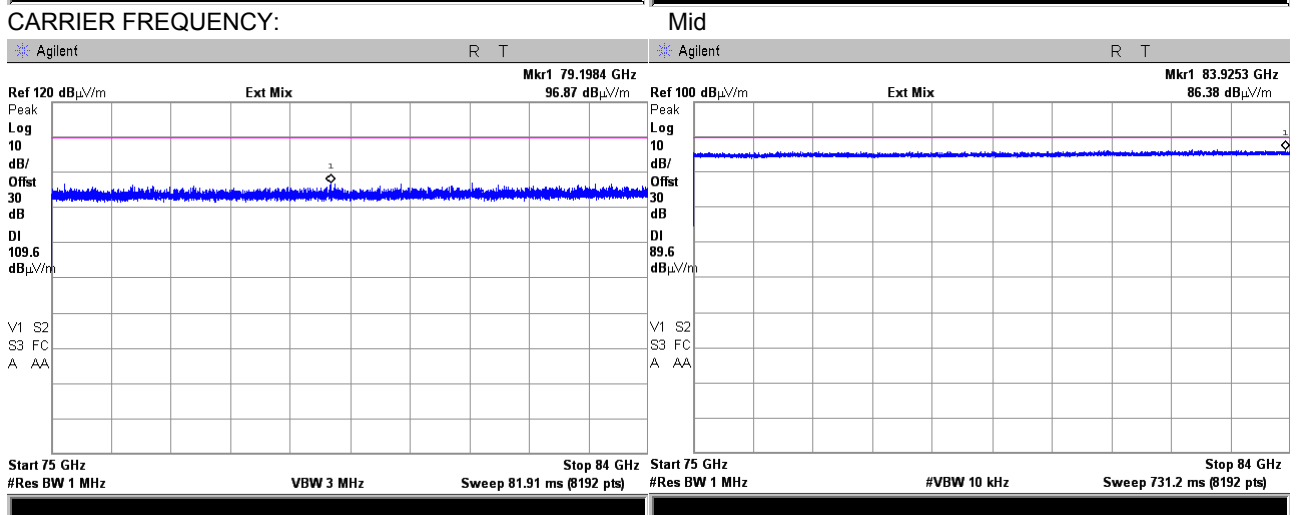
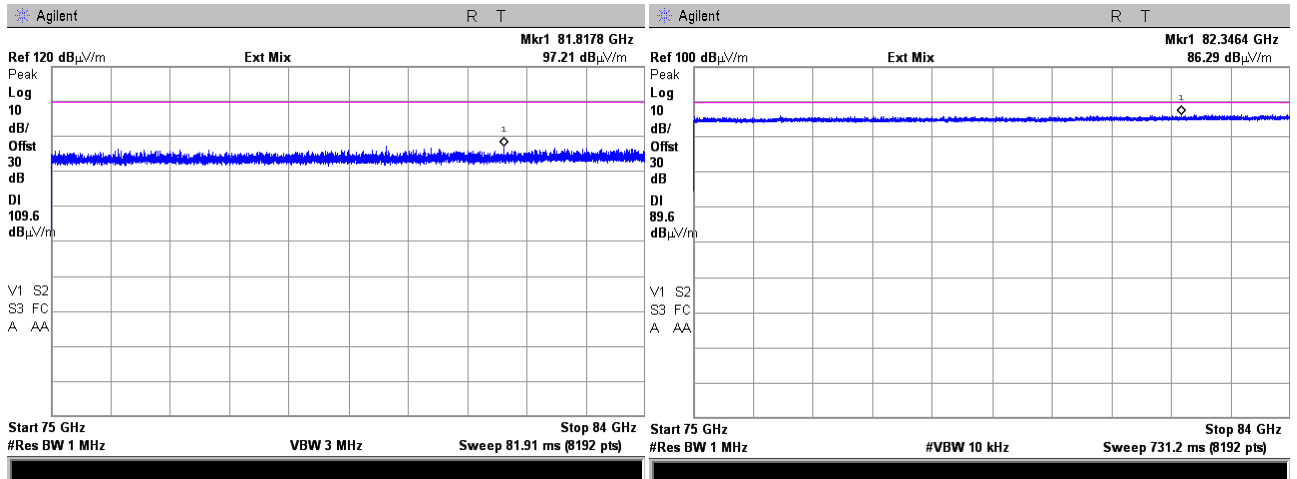


HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.66 Radiated emission measurements from 75.0 to 84.0 GHz

TEST SITE:	OATS
TEST DISTANCE:	0.05 m
ANTENNA POLARIZATION:	Vertical and Horizontal
EUT POSITION:	Typical (Vertical)
DETECTOR PEAK: RBW = 1 MHz; VBW = 3 MHz	DETECTOR AVERAGE: RBW = 1 MHz; VBW = 10 kHz
CARRIER FREQUENCY:	Low



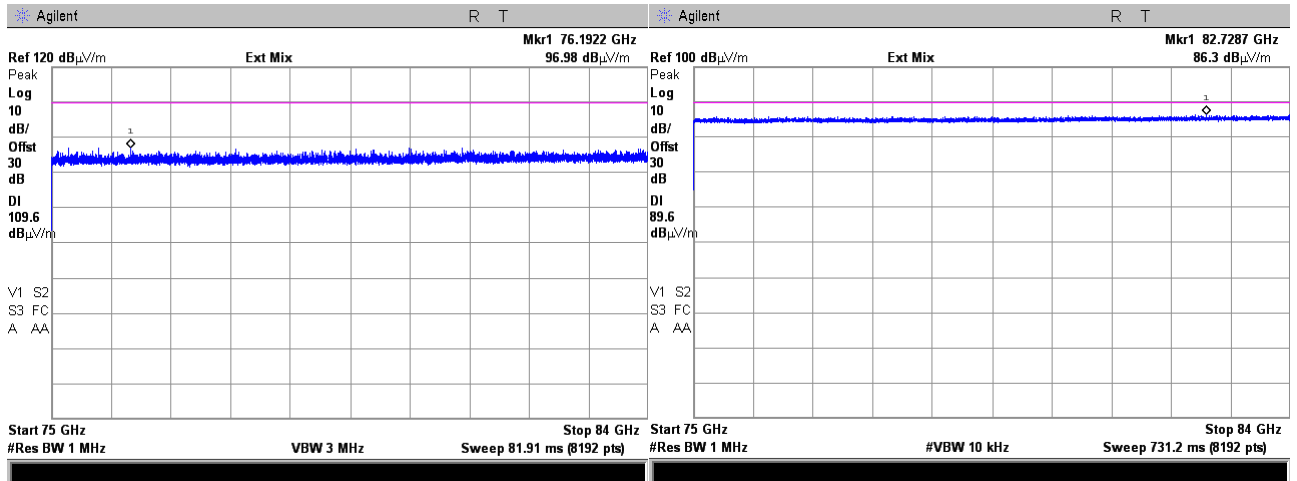


HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

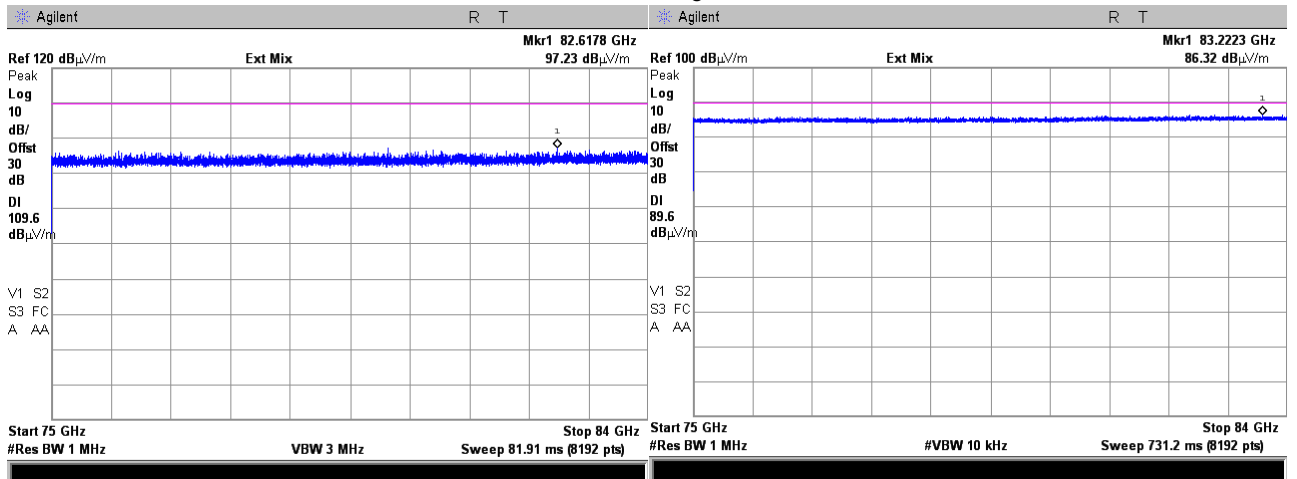
Plot 7.2.67 Radiated emission measurements from 75.0 to 84.0 GHz

TEST SITE:	OATS
TEST DISTANCE:	0.05 m
ANTENNA POLARIZATION:	Vertical and Horizontal
EUT POSITION:	Typical (Vertical)
DETECTOR PEAK: RBW = 1 MHz; VBW = 3 MHz	DETECTOR AVERAGE: RBW = 1 MHz; VBW = 10 kHz
CARRIER FREQUENCY:	Mid



CARRIER FREQUENCY:

High



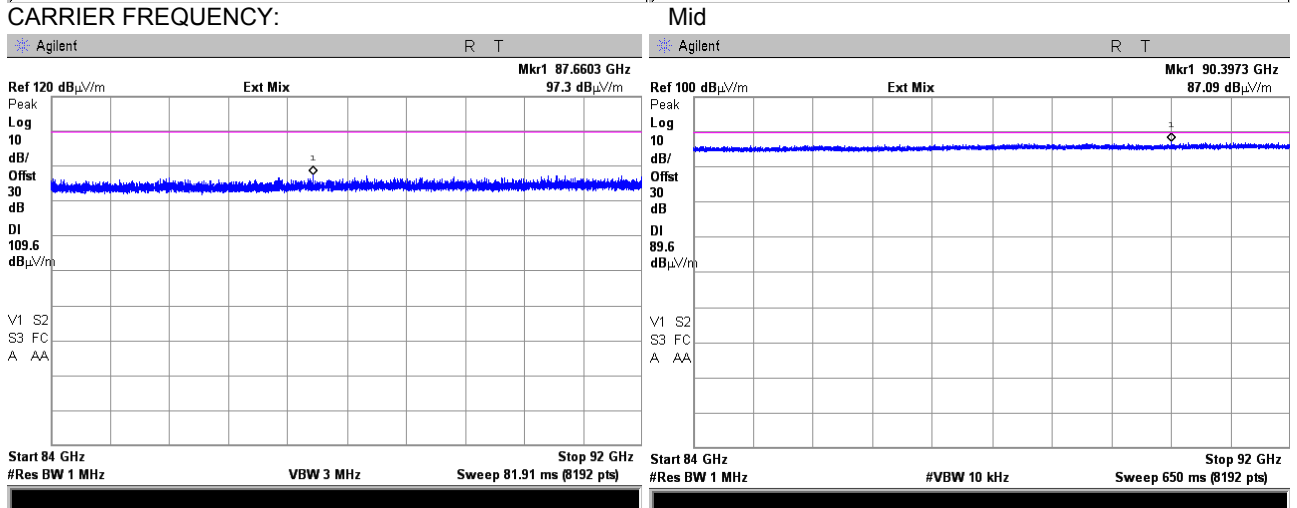
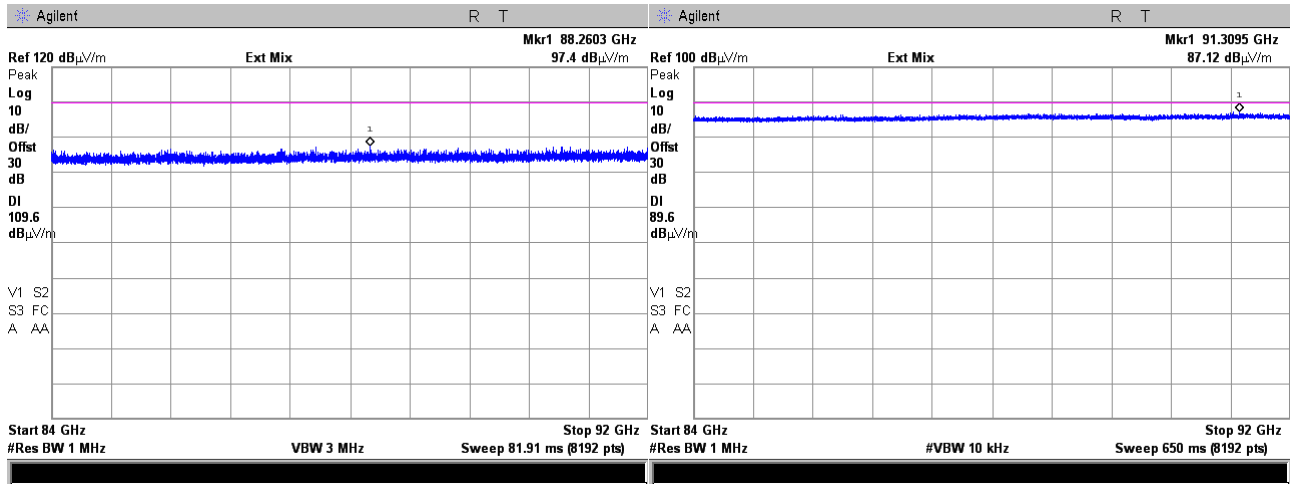


HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.68 Radiated emission measurements from 84.0 to 92.0 GHz

TEST SITE:	OATS
TEST DISTANCE:	0.05 m
ANTENNA POLARIZATION:	Vertical and Horizontal
EUT POSITION:	Typical (Vertical)
DETECTOR PEAK: RBW = 1 MHz; VBW = 3 MHz	DETECTOR AVERAGE: RBW = 1 MHz; VBW = 10 kHz
CARRIER FREQUENCY:	Low



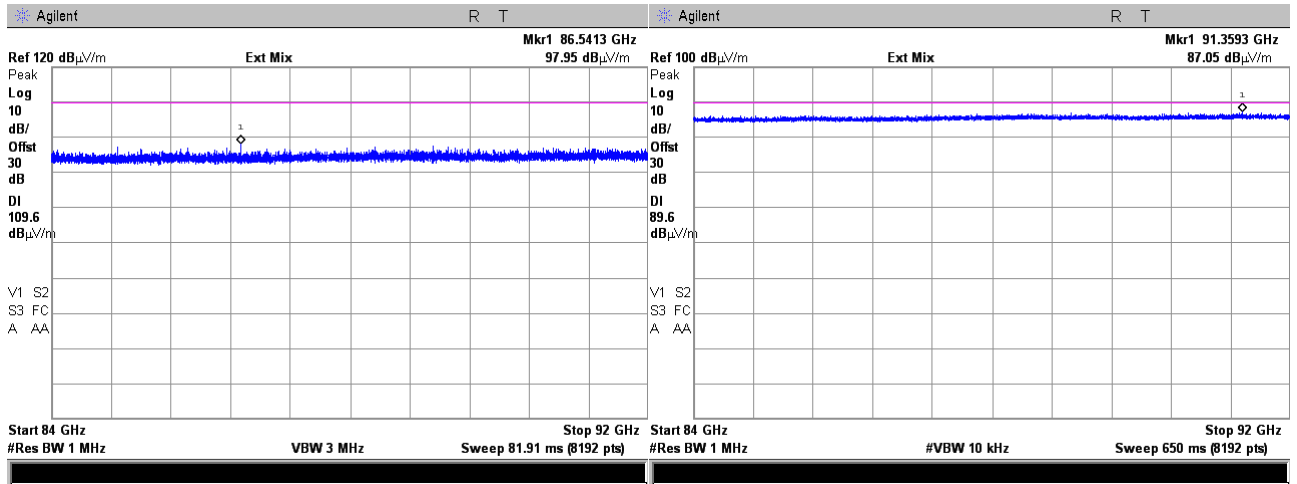


HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

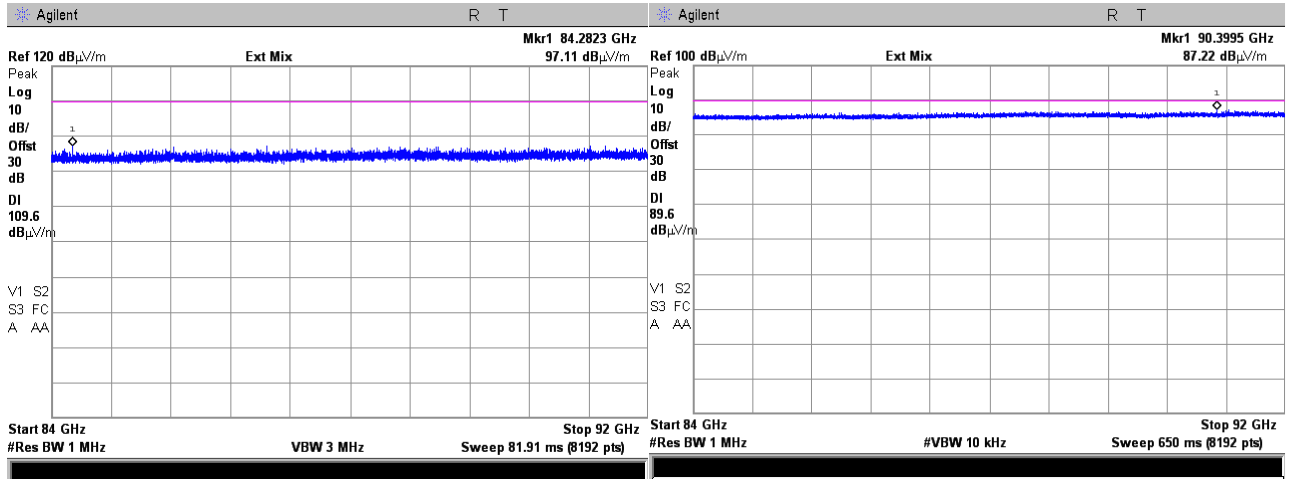
Plot 7.2.69 Radiated emission measurements from 84.0 to 92.0 GHz

TEST SITE:	OATS
TEST DISTANCE:	0.05 m
ANTENNA POLARIZATION:	Vertical and Horizontal
EUT POSITION:	Typical (Vertical)
DETECTOR PEAK: RBW = 1 MHz; VBW = 3 MHz	DETECTOR AVERAGE: RBW = 1 MHz; VBW = 10 kHz
CARRIER FREQUENCY:	Mid



CARRIER FREQUENCY:

High



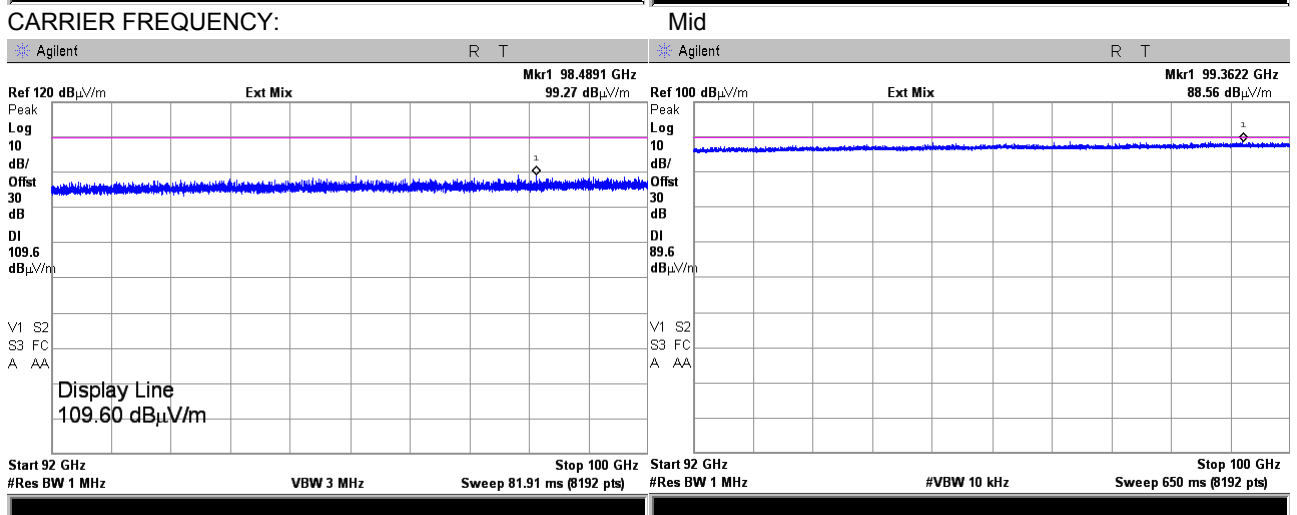
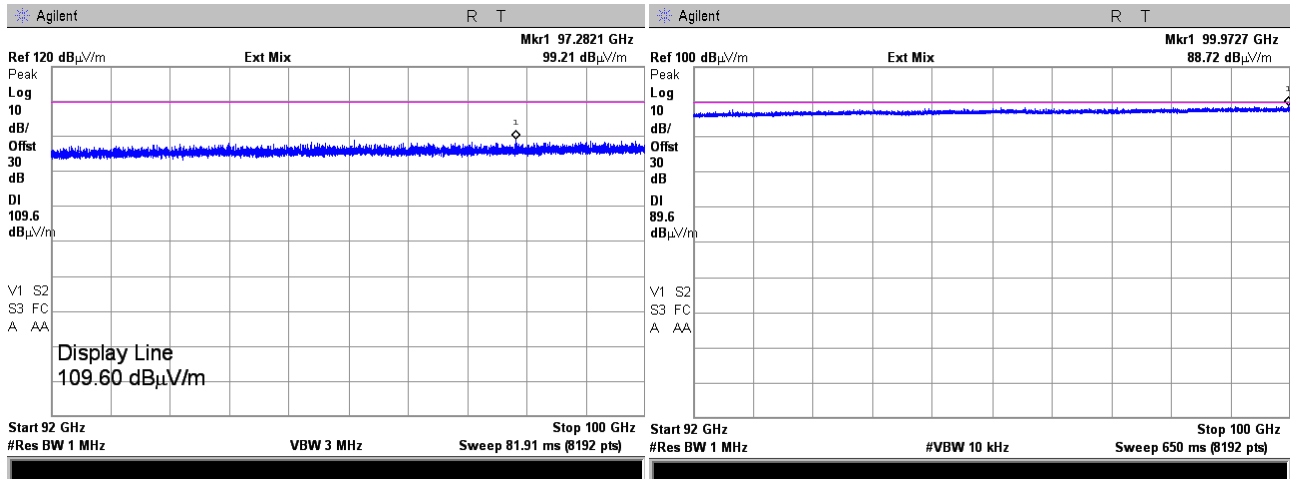


HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.70 Radiated emission measurements from 92.0 to 100.0 GHz

TEST SITE:	OATS
TEST DISTANCE:	0.05 m
ANTENNA POLARIZATION:	Vertical and Horizontal
EUT POSITION:	Typical (Vertical)
DETECTOR PEAK: RBW = 1 MHz; VBW = 3 MHz	DETECTOR AVERAGE: RBW = 1 MHz; VBW = 10 kHz
CARRIER FREQUENCY:	Low



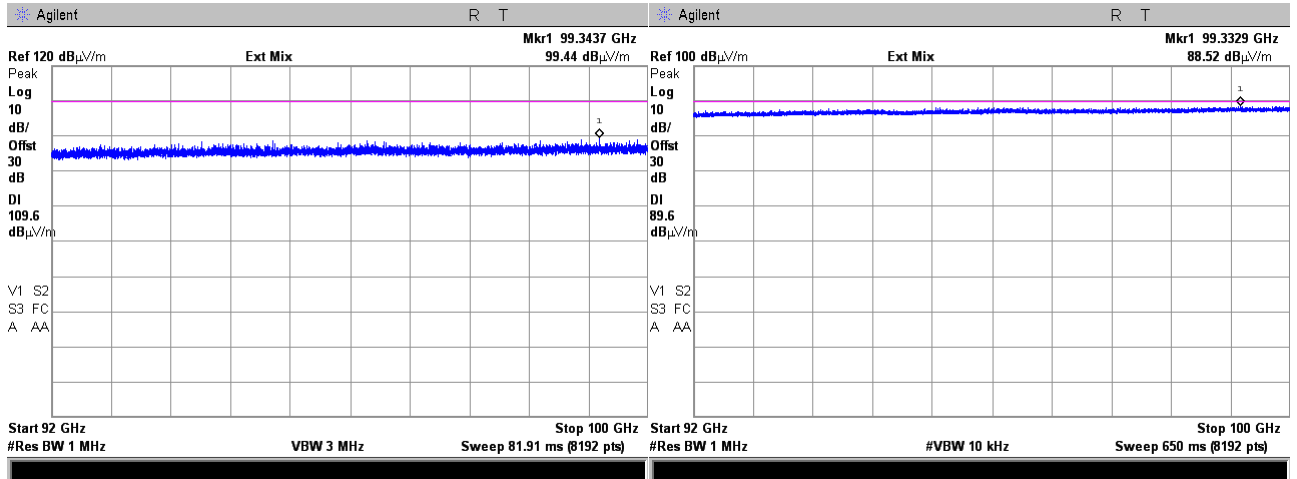


HERMON LABORATORIES

Test specification: Section 15.249(a)(d)/RSS-310, section 3.10, Field strength of emissions			
Test procedure: ANSI C63.10 sections 6.5, 6.6			
Test mode: Compliance		Verdict: PASS	
Date(s): 25-Aug-17 - 21-Feb-18			
Temperature: 24.3 °C	Relative Humidity: 48 %	Air Pressure: 1011 hPa	Power: -48 VDC
Remarks: EUT with 37.1 dBi antenna gain			

Plot 7.2.71 Radiated emission measurements from 92.0 to 100.0 GHz

TEST SITE:	OATS
TEST DISTANCE:	0.05 m
ANTENNA POLARIZATION:	Vertical and Horizontal
EUT POSITION:	Typical (Vertical)
DETECTOR PEAK: RBW = 1 MHz; VBW = 3 MHz	DETECTOR AVERAGE: RBW = 1 MHz; VBW = 10 kHz
CARRIER FREQUENCY:	Mid



CARRIER FREQUENCY:

High

