

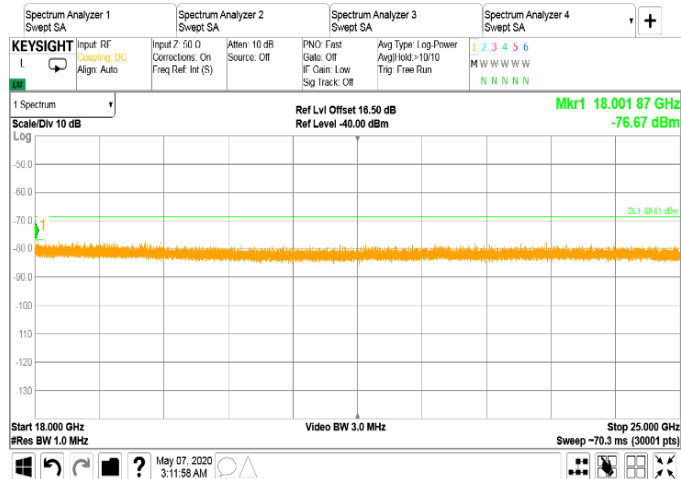


HERMON LABORATORIES

Test specification: Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure: ANSI C63.10 section 11.12.2			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

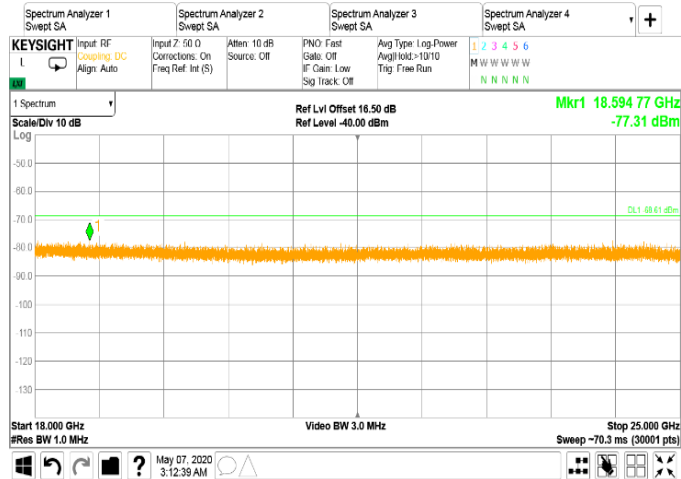
Plot 7.5.199 Spurious emission measurements in 18 - 25 GHz range at low carrier frequency

CHANNEL BANDWIDTH: 5 MHz
 CONFIGURATION: 4 Non-Overlapping Beams
 ANTENNA PORT: #3



Plot 7.5.200 Spurious emission measurements in 18 - 25 GHz range at mid carrier frequency

CHANNEL BANDWIDTH: 5 MHz
 CONFIGURATION: 4 Non-Overlapping Beams
 ANTENNA PORT: #3



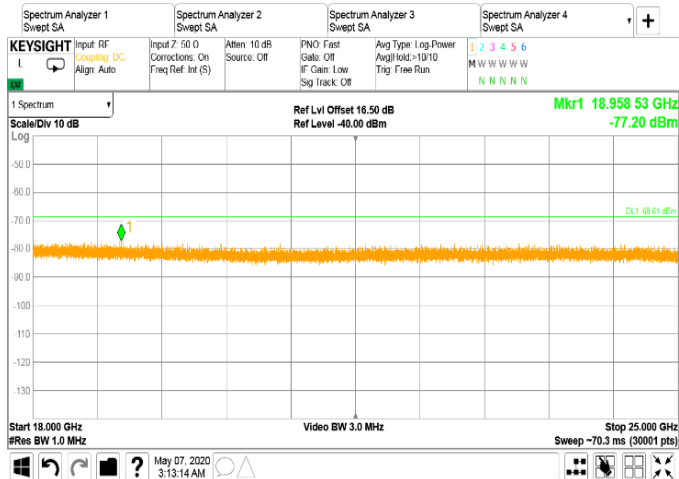


HERMON LABORATORIES

Test specification: Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure: ANSI C63.10 section 11.12.2			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

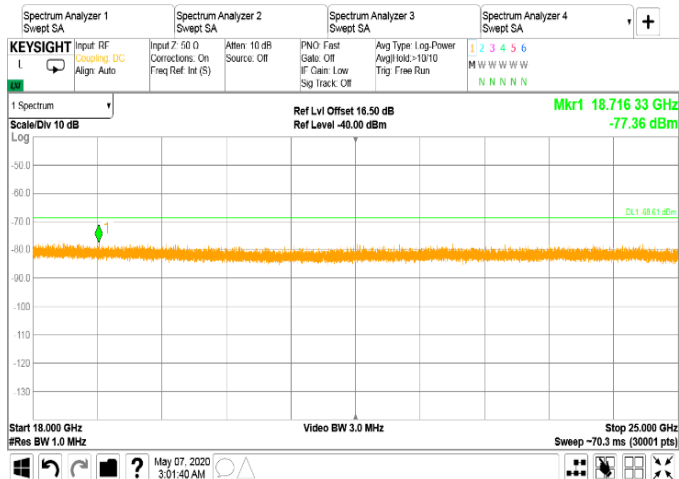
Plot 7.5.201 Spurious emission measurements in 18 - 25 GHz range at high carrier frequency

CHANNEL BANDWIDTH: 5 MHz
 CONFIGURATION: 4 Non-Overlapping Beams
 ANTENNA PORT: #3



Plot 7.5.202 Spurious emission measurements in 18 - 25 GHz range at low carrier frequency

CHANNEL BANDWIDTH: 5 MHz
 CONFIGURATION: 4 Non-Overlapping Beams
 ANTENNA PORT: #4



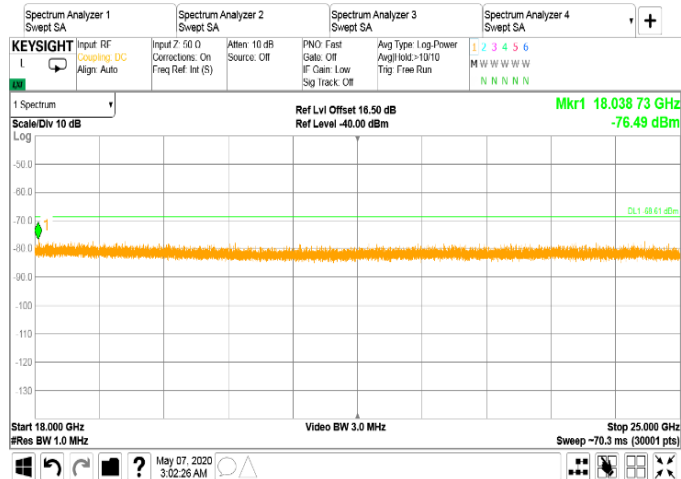


HERMON LABORATORIES

Test specification: Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure: ANSI C63.10 section 11.12.2			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

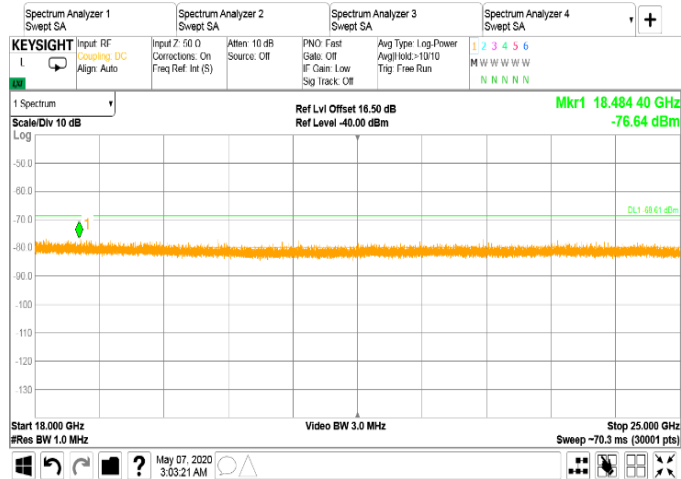
Plot 7.5.203 Spurious emission measurements in 18 - 25 GHz range at mid carrier frequency

CHANNEL BANDWIDTH: 5 MHz
 CONFIGURATION: 4 Non-Overlapping Beams
 ANTENNA PORT: #4



Plot 7.5.204 Spurious emission measurements in 18 - 25 GHz range at high carrier frequency

CHANNEL BANDWIDTH: 5 MHz
 CONFIGURATION: 4 Non-Overlapping Beams
 ANTENNA PORT: #4



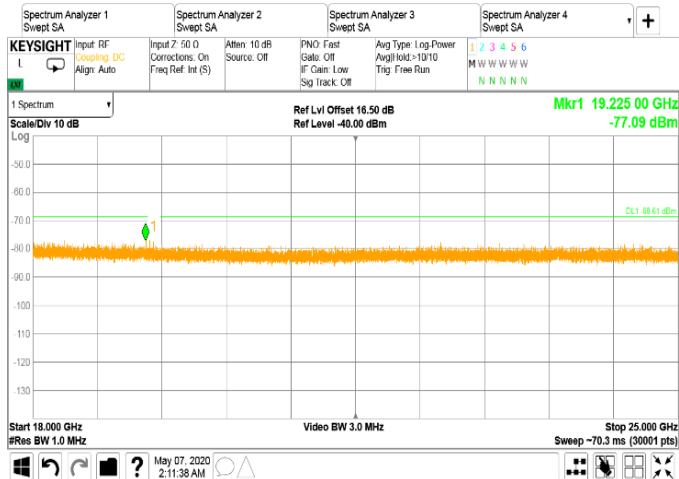


HERMON LABORATORIES

Test specification: Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure: ANSI C63.10 section 11.12.2			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

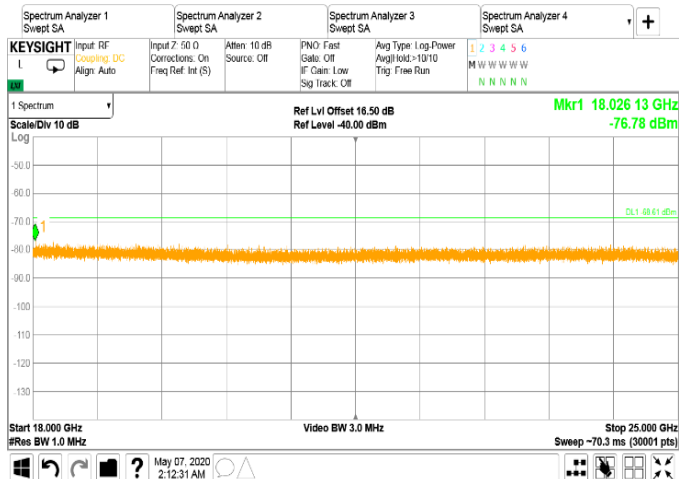
Plot 7.5.205 Spurious emission measurements in 18 - 25 GHz range at low carrier frequency

CHANNEL BANDWIDTH: 5 MHz
 CONFIGURATION: 4 Non-Overlapping Beams
 ANTENNA PORT: #5



Plot 7.5.206 Spurious emission measurements in 18 - 25 GHz range at mid carrier frequency

CHANNEL BANDWIDTH: 5 MHz
 CONFIGURATION: 4 Non-Overlapping Beams
 ANTENNA PORT: #5



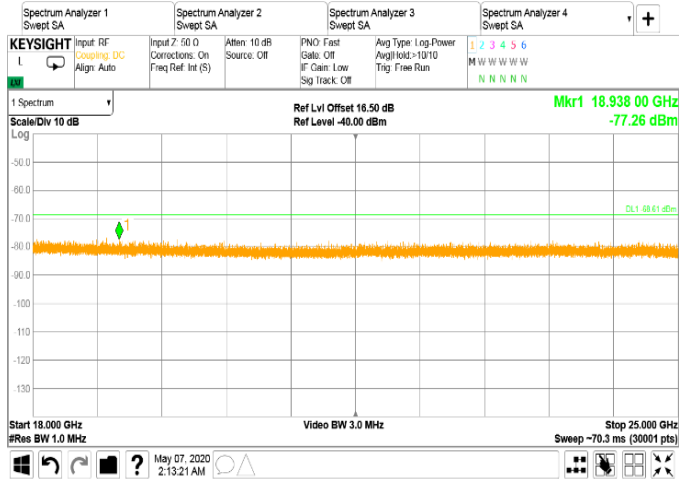


HERMON LABORATORIES

Test specification: Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure: ANSI C63.10 section 11.12.2			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

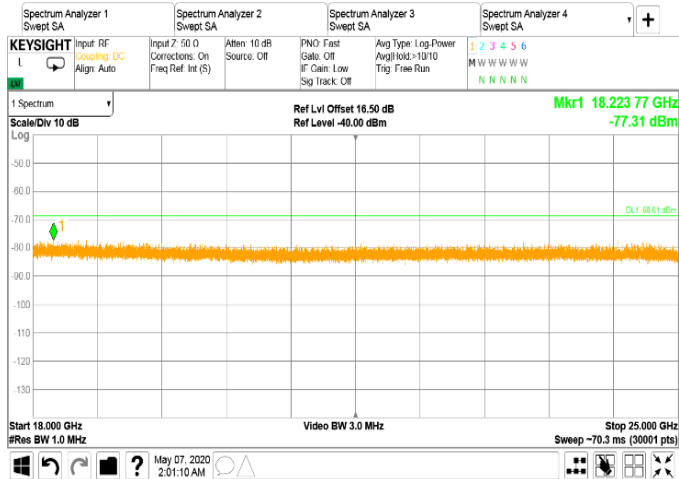
Plot 7.5.207 Spurious emission measurements in 18 - 25 GHz range at high carrier frequency

CHANNEL BANDWIDTH: 5 MHz
CONFIGURATION: 4 Non-Overlapping Beams
ANTENNA PORT: #5



Plot 7.5.208 Spurious emission measurements in 18 - 25 GHz range at low carrier frequency

CHANNEL BANDWIDTH: 5 MHz
CONFIGURATION: 4 Non-Overlapping Beams
ANTENNA PORT: #6

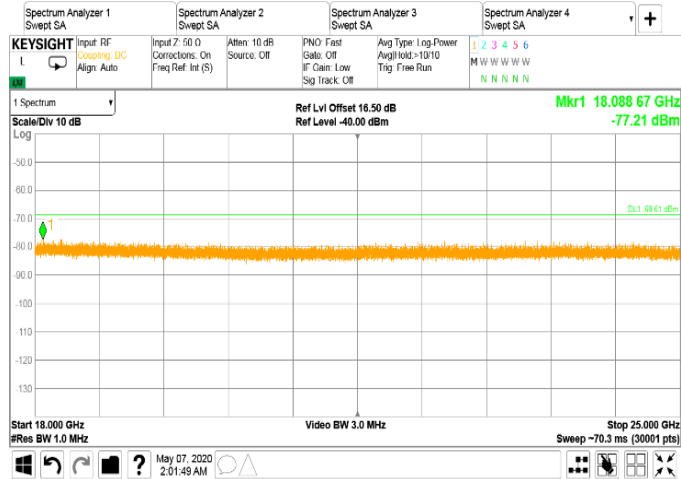




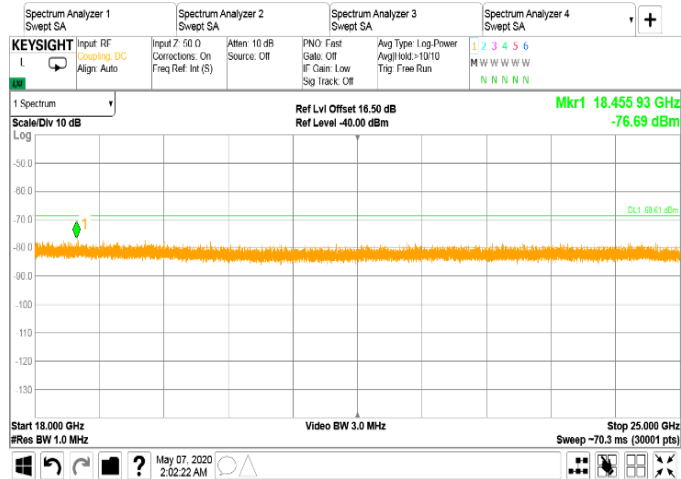
HERMON LABORATORIES

Test specification: Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure: ANSI C63.10 section 11.12.2			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.5.209 Spurious emission measurements in 18 - 25 GHz range at mid carrier frequency
CHANNEL BANDWIDTH: 5 MHz
CONFIGURATION: 4 Non-Overlapping Beams
ANTENNA PORT: #6



Plot 7.5.210 Spurious emission measurements in 18 - 25 GHz range at high carrier frequency
CHANNEL BANDWIDTH: 5 MHz
CONFIGURATION: 4 Non-Overlapping Beams
ANTENNA PORT: #6

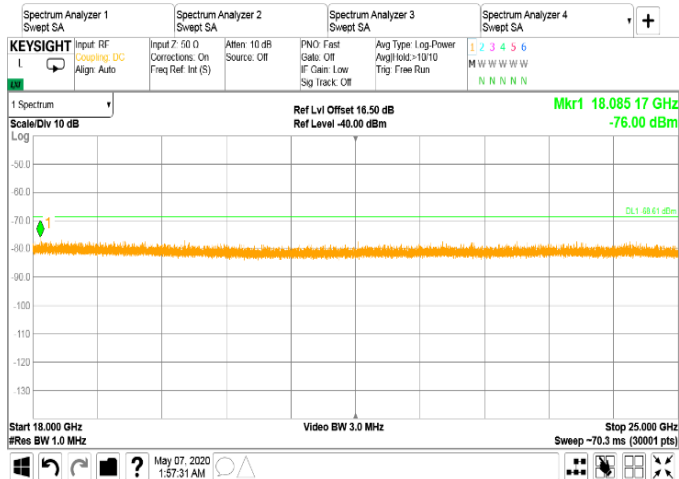




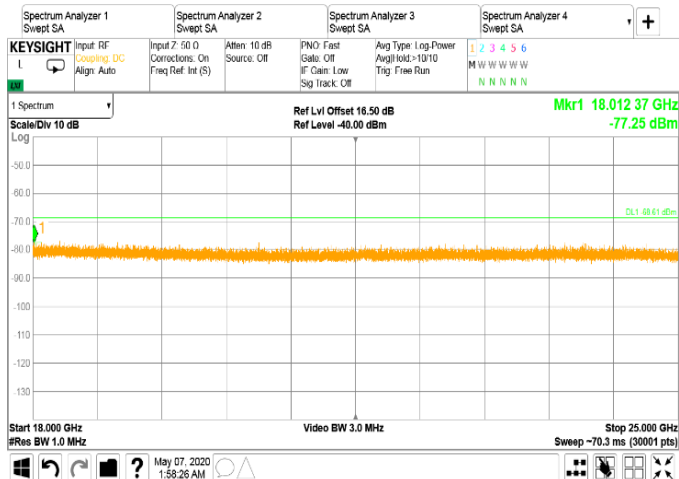
HERMON LABORATORIES

Test specification: Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure: ANSI C63.10 section 11.12.2			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.5.211 Spurious emission measurements in 18 - 25 GHz range at low carrier frequency
CHANNEL BANDWIDTH: 5 MHz
CONFIGURATION: 4 Non-Overlapping Beams
ANTENNA PORT: #7



Plot 7.5.212 Spurious emission measurements in 18 - 25 GHz range at mid carrier frequency
CHANNEL BANDWIDTH: 5 MHz
CONFIGURATION: 4 Non-Overlapping Beams
ANTENNA PORT: #7



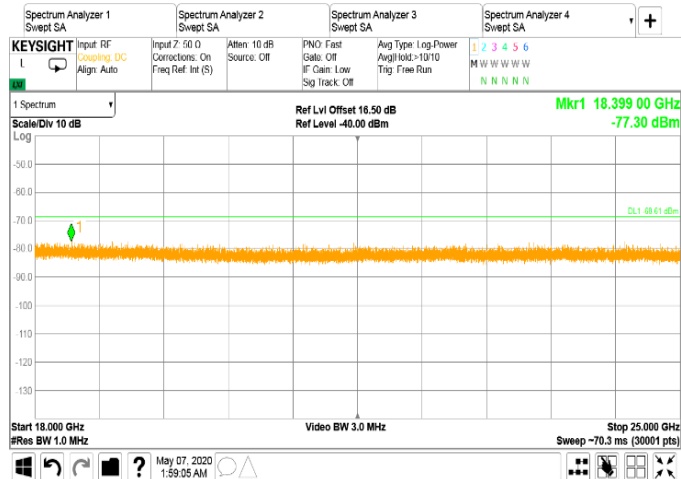


HERMON LABORATORIES

Test specification: Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure: ANSI C63.10 section 11.12.2			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

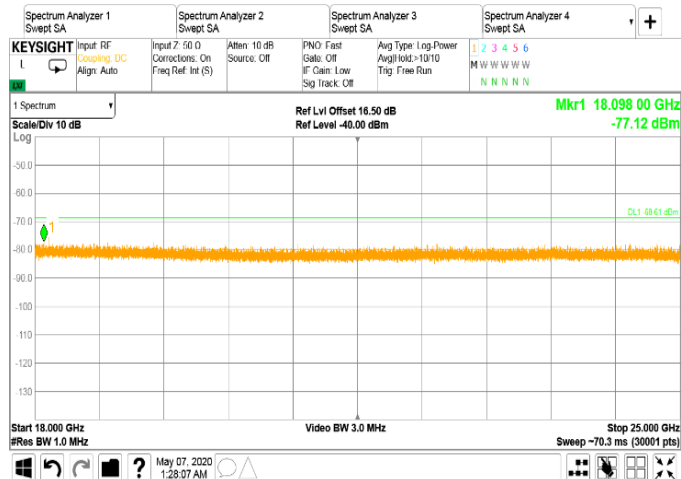
Plot 7.5.213 Spurious emission measurements in 18 - 25 GHz range at high carrier frequency

CHANNEL BANDWIDTH: 5 MHz
 CONFIGURATION: 4 Non-Overlapping Beams
 ANTENNA PORT: #7



Plot 7.5.214 Spurious emission measurements in 18 - 25 GHz range at low carrier frequency

CHANNEL BANDWIDTH: 5 MHz
 CONFIGURATION: 4 Non-Overlapping Beams
 ANTENNA PORT: #8

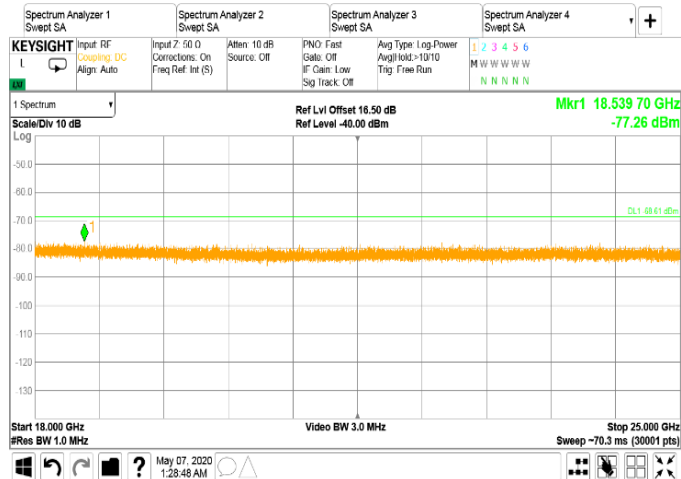




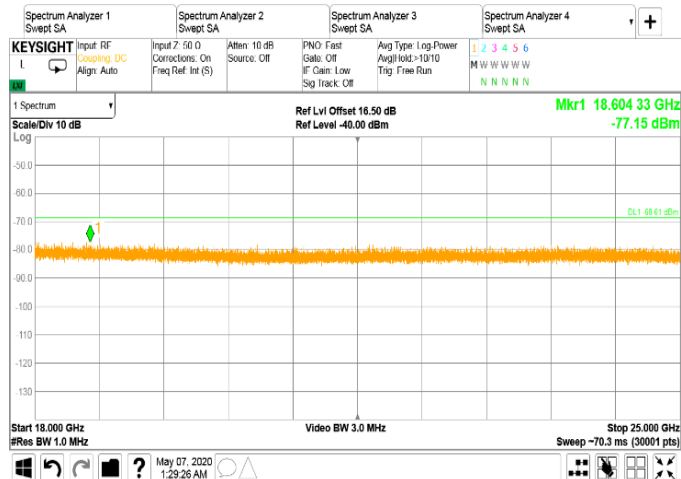
HERMON LABORATORIES

Test specification: Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure: ANSI C63.10 section 11.12.2			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.5.215 Spurious emission measurements in 18 - 25 GHz range at mid carrier frequency
CHANNEL BANDWIDTH: 5 MHz
CONFIGURATION: 4 Non-Overlapping Beams
ANTENNA PORT: #8



Plot 7.5.216 Spurious emission measurements in 18 - 25 GHz range at high carrier frequency
CHANNEL BANDWIDTH: 5 MHz
CONFIGURATION: 4 Non-Overlapping Beams
ANTENNA PORT: #8



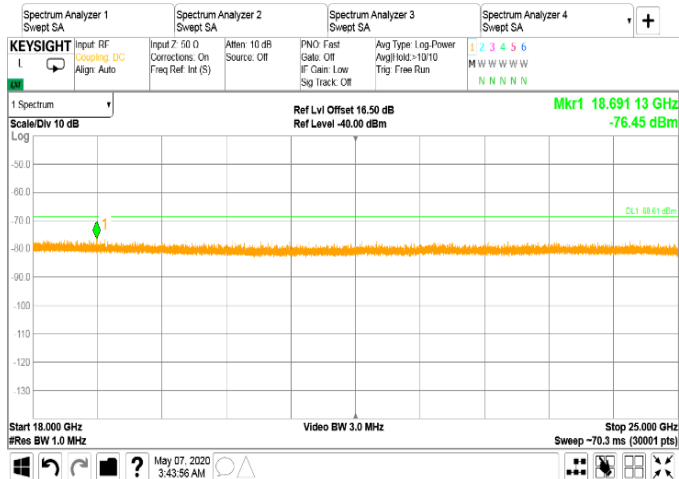


HERMON LABORATORIES

Test specification: Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure: ANSI C63.10 section 11.12.2			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

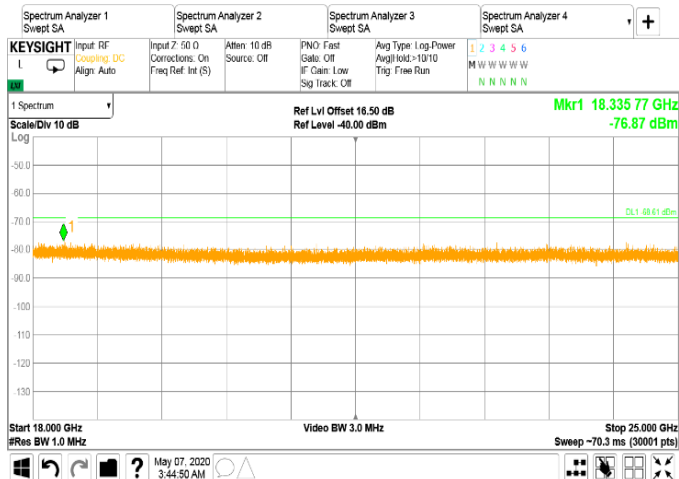
Plot 7.5.217 Spurious emission measurements in 18 - 25 GHz range at low carrier frequency

CHANNEL BANDWIDTH: 10 MHz
CONFIGURATION: 4 Non-Overlapping Beams
ANTENNA PORT: #1



Plot 7.5.218 Spurious emission measurements in 18 - 25 GHz range at mid carrier frequency

CHANNEL BANDWIDTH: 10 MHz
CONFIGURATION: 4 Non-Overlapping Beams
ANTENNA PORT: #1



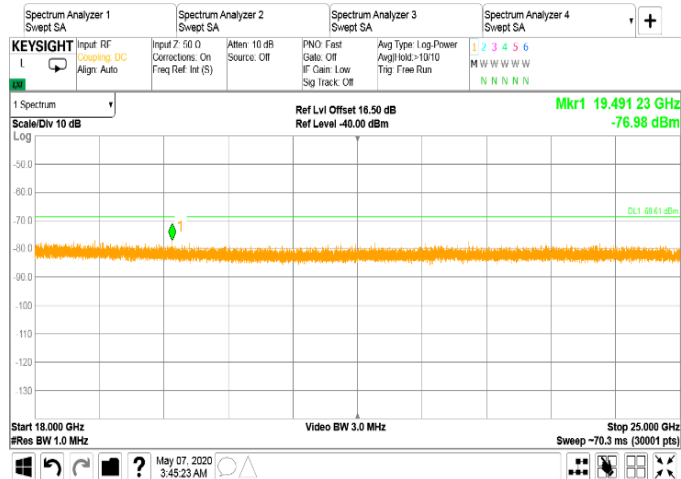


HERMON LABORATORIES

Test specification: Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure: ANSI C63.10 section 11.12.2			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

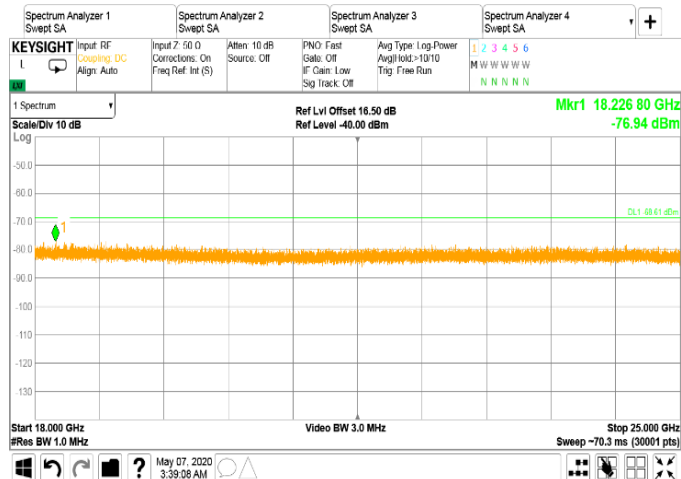
Plot 7.5.219 Spurious emission measurements in 18 - 25 GHz range at high carrier frequency

CHANNEL BANDWIDTH: 10 MHz
 CONFIGURATION: 4 Non-Overlapping Beams
 ANTENNA PORT: #1



Plot 7.5.220 Spurious emission measurements in 18 - 25 GHz range at low carrier frequency

CHANNEL BANDWIDTH: 10 MHz
 CONFIGURATION: 4 Non-Overlapping Beams
 ANTENNA PORT: #2

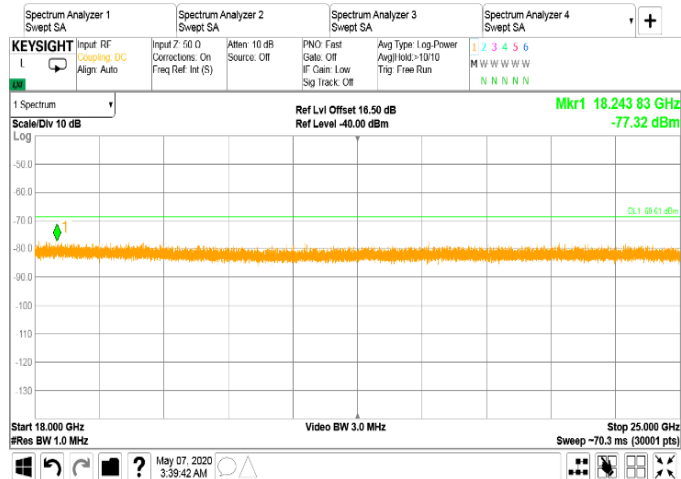




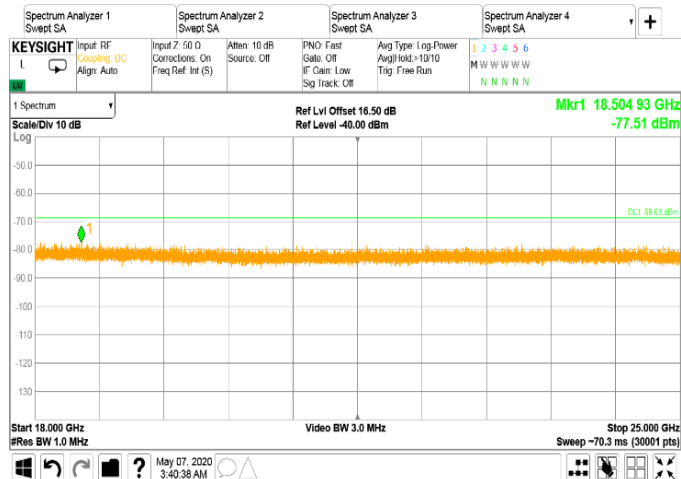
HERMON LABORATORIES

Test specification: Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure: ANSI C63.10 section 11.12.2			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.5.221 Spurious emission measurements in 18 - 25 GHz range at mid carrier frequency
CHANNEL BANDWIDTH: 10 MHz
CONFIGURATION: 4 Non-Overlapping Beams
ANTENNA PORT: #2



Plot 7.5.222 Spurious emission measurements in 18 - 25 GHz range at high carrier frequency
CHANNEL BANDWIDTH: 10 MHz
CONFIGURATION: 4 Non-Overlapping Beams
ANTENNA PORT: #2

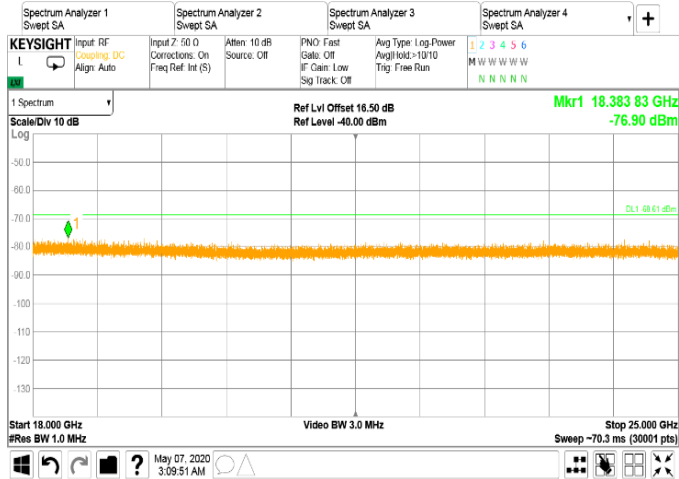




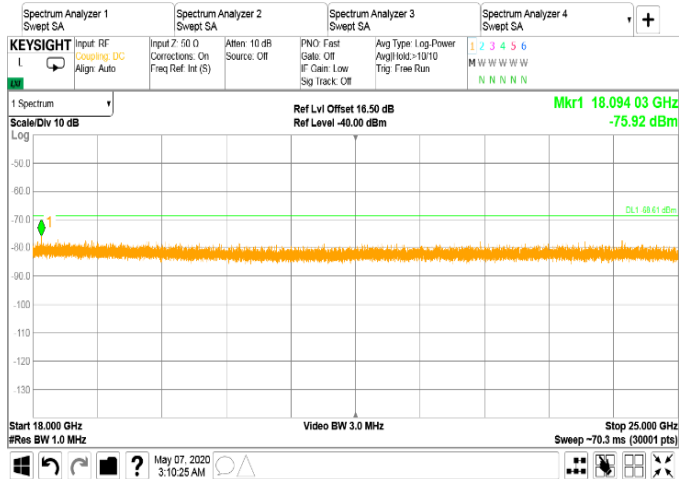
HERMON LABORATORIES

Test specification: Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure: ANSI C63.10 section 11.12.2			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.5.223 Spurious emission measurements in 18 - 25 GHz range at low carrier frequency
CHANNEL BANDWIDTH: 10 MHz
CONFIGURATION: 4 Non-Overlapping Beams
ANTENNA PORT: #3



Plot 7.5.224 Spurious emission measurements in 18 - 25 GHz range at mid carrier frequency
CHANNEL BANDWIDTH: 10 MHz
CONFIGURATION: 4 Non-Overlapping Beams
ANTENNA PORT: #3



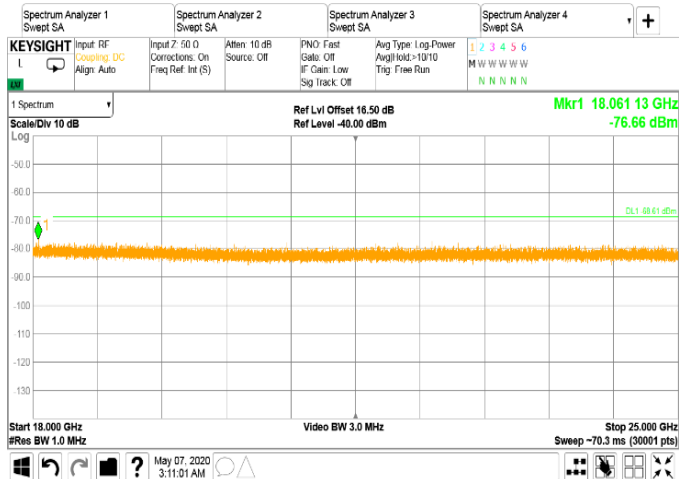


HERMON LABORATORIES

Test specification: Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure: ANSI C63.10 section 11.12.2			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

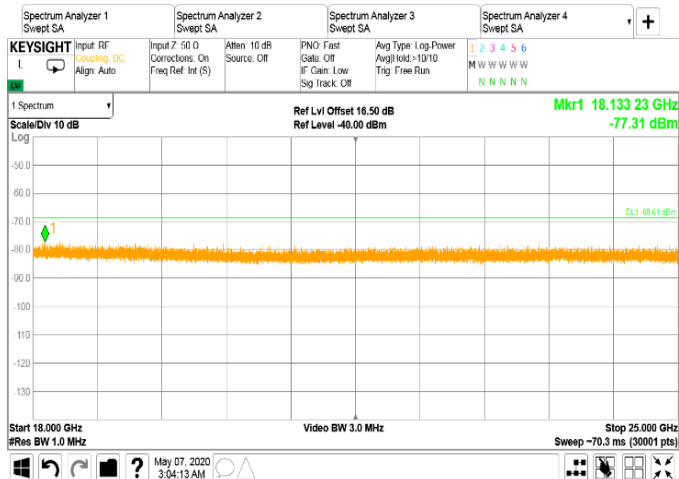
Plot 7.5.225 Spurious emission measurements in 18 - 25 GHz range at high carrier frequency

CHANNEL BANDWIDTH: 10 MHz
 CONFIGURATION: 4 Non-Overlapping Beams
 ANTENNA PORT: #3



Plot 7.5.226 Spurious emission measurements in 18 - 25 GHz range at low carrier frequency

CHANNEL BANDWIDTH: 10 MHz
 CONFIGURATION: 4 Non-Overlapping Beams
 ANTENNA PORT: #4

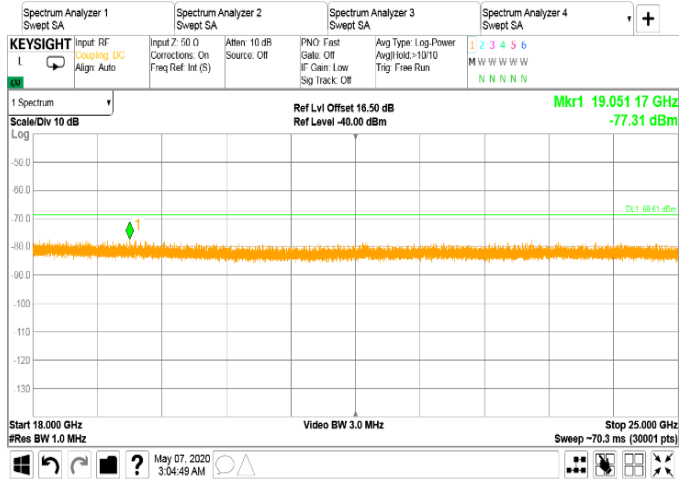




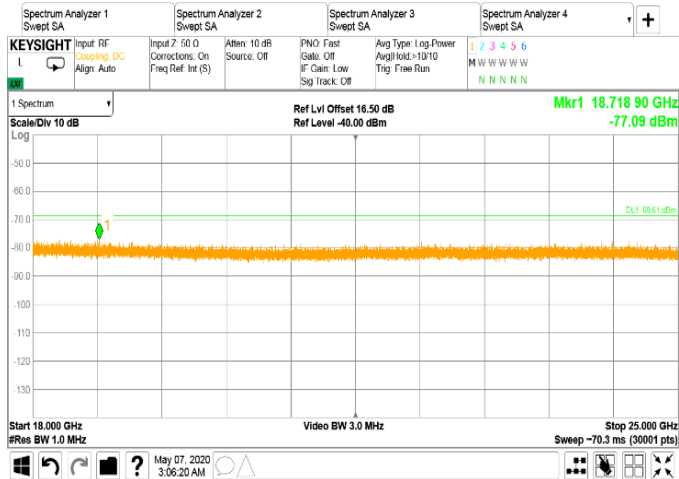
HERMON LABORATORIES

Test specification: Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure: ANSI C63.10 section 11.12.2			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.5.227 Spurious emission measurements in 18 - 25 GHz range at mid carrier frequency
CHANNEL BANDWIDTH: 10 MHz
CONFIGURATION: 4 Non-Overlapping Beams
ANTENNA PORT: #4



Plot 7.5.228 Spurious emission measurements in 18 - 25 GHz range at high carrier frequency
CHANNEL BANDWIDTH: 10 MHz
CONFIGURATION: 4 Non-Overlapping Beams
ANTENNA PORT: #4



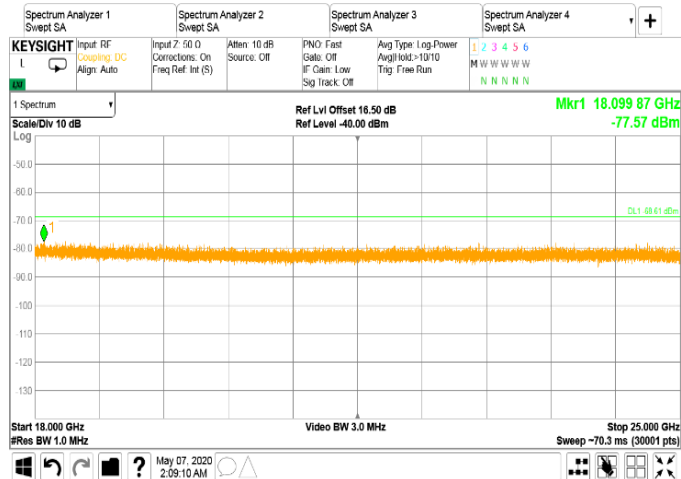


HERMON LABORATORIES

Test specification: Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure: ANSI C63.10 section 11.12.2			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

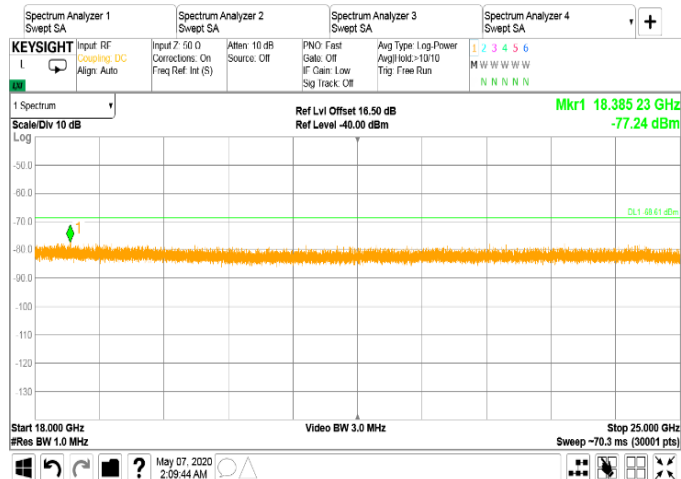
Plot 7.5.229 Spurious emission measurements in 18 - 25 GHz range at low carrier frequency

CHANNEL BANDWIDTH: 10 MHz
CONFIGURATION: 4 Non-Overlapping Beams
ANTENNA PORT: #5



Plot 7.5.230 Spurious emission measurements in 18 - 25 GHz range at mid carrier frequency

CHANNEL BANDWIDTH: 10 MHz
CONFIGURATION: 4 Non-Overlapping Beams
ANTENNA PORT: #5



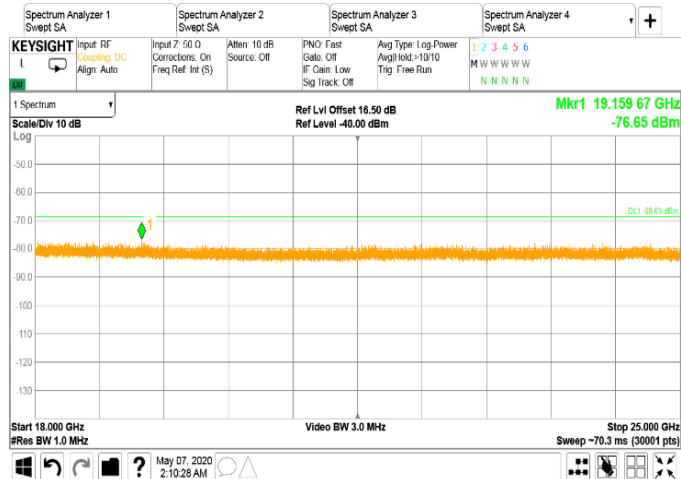


HERMON LABORATORIES

Test specification: Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure: ANSI C63.10 section 11.12.2			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

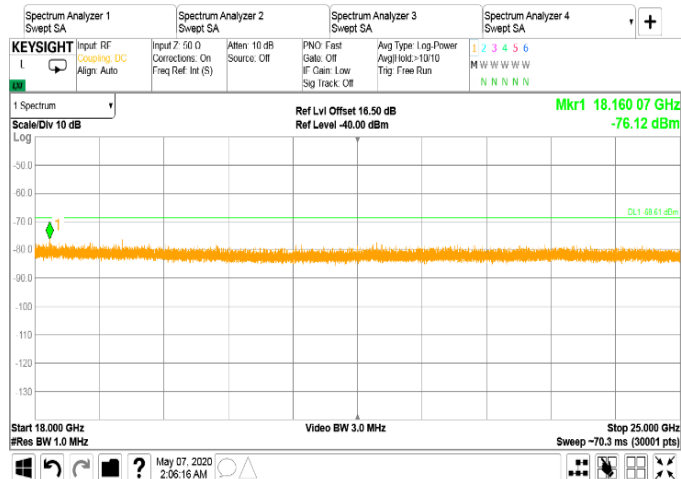
Plot 7.5.231 Spurious emission measurements in 18 - 25 GHz range at high carrier frequency

CHANNEL BANDWIDTH: 10 MHz
 CONFIGURATION: 4 Non-Overlapping Beams
 ANTENNA PORT: #5



Plot 7.5.232 Spurious emission measurements in 18 - 25 GHz range at low carrier frequency

CHANNEL BANDWIDTH: 10 MHz
 CONFIGURATION: 4 Non-Overlapping Beams
 ANTENNA PORT: #6

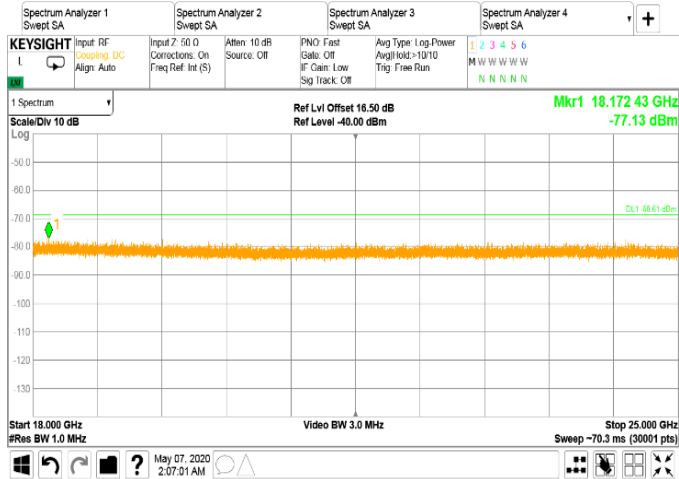




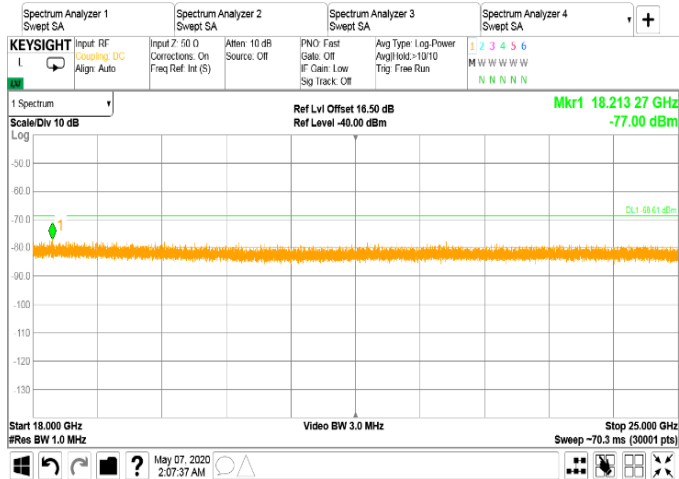
HERMON LABORATORIES

Test specification: Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure: ANSI C63.10 section 11.12.2			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Plot 7.5.233 Spurious emission measurements in 18 - 25 GHz range at mid carrier frequency
CHANNEL BANDWIDTH: 10 MHz
CONFIGURATION: 4 Non-Overlapping Beams
ANTENNA PORT: #6



Plot 7.5.234 Spurious emission measurements in 18 - 25 GHz range at high carrier frequency
CHANNEL BANDWIDTH: 10 MHz
CONFIGURATION: 4 Non-Overlapping Beams
ANTENNA PORT: #6



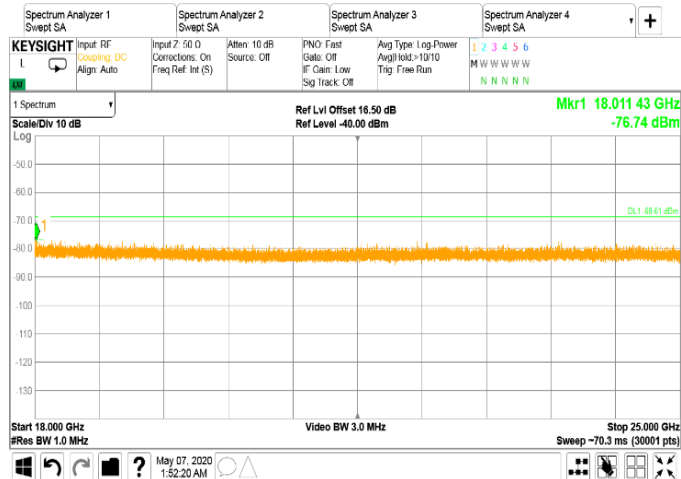


HERMON LABORATORIES

Test specification: Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure: ANSI C63.10 section 11.12.2			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

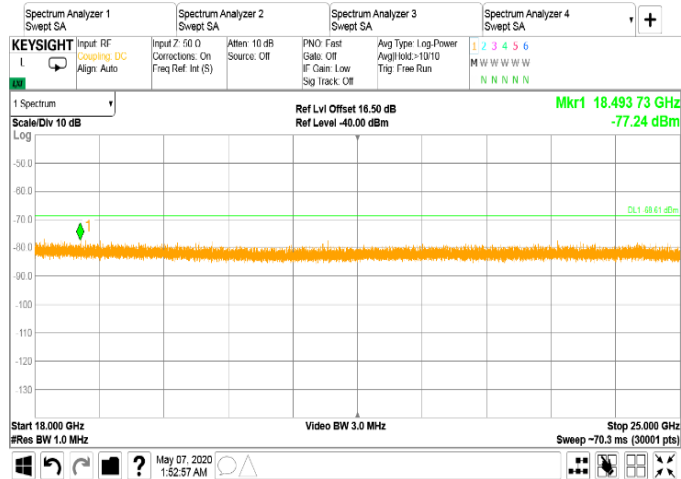
Plot 7.5.235 Spurious emission measurements in 18 - 25 GHz range at low carrier frequency

CHANNEL BANDWIDTH: 10 MHz
CONFIGURATION: 4 Non-Overlapping Beams
ANTENNA PORT: #7



Plot 7.5.236 Spurious emission measurements in 18 - 25 GHz range at mid carrier frequency

CHANNEL BANDWIDTH: 10 MHz
CONFIGURATION: 4 Non-Overlapping Beams
ANTENNA PORT: #7



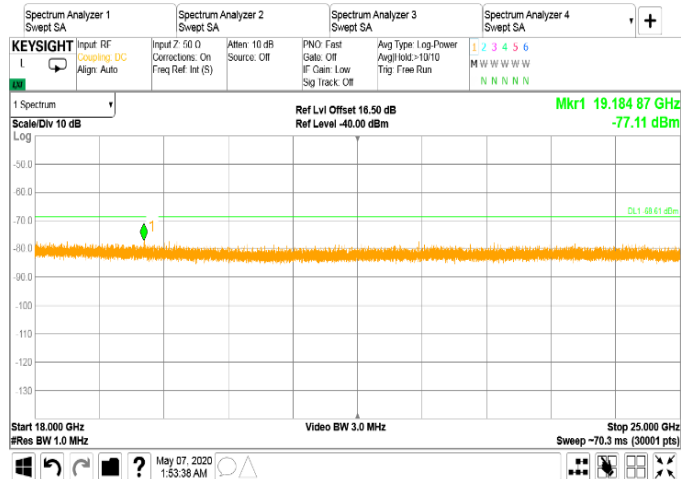


HERMON LABORATORIES

Test specification: Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure: ANSI C63.10 section 11.12.2			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

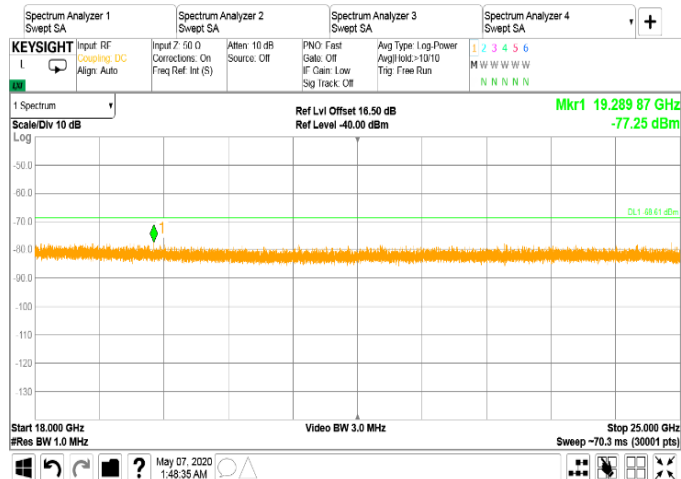
Plot 7.5.237 Spurious emission measurements in 18 - 25 GHz range at high carrier frequency

CHANNEL BANDWIDTH: 10 MHz
 CONFIGURATION: 4 Non-Overlapping Beams
 ANTENNA PORT: #7



Plot 7.5.238 Spurious emission measurements in 18 - 25 GHz range at low carrier frequency

CHANNEL BANDWIDTH: 10 MHz
 CONFIGURATION: 4 Non-Overlapping Beams
 ANTENNA PORT: #8



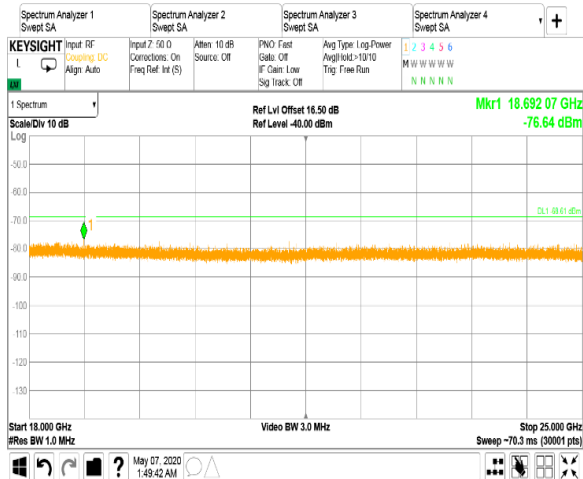


HERMON LABORATORIES

Test specification: Section 15.247(d) / RSS-247 section 5.5, Conducted spurious emissions			
Test procedure: ANSI C63.10 section 11.12.2			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

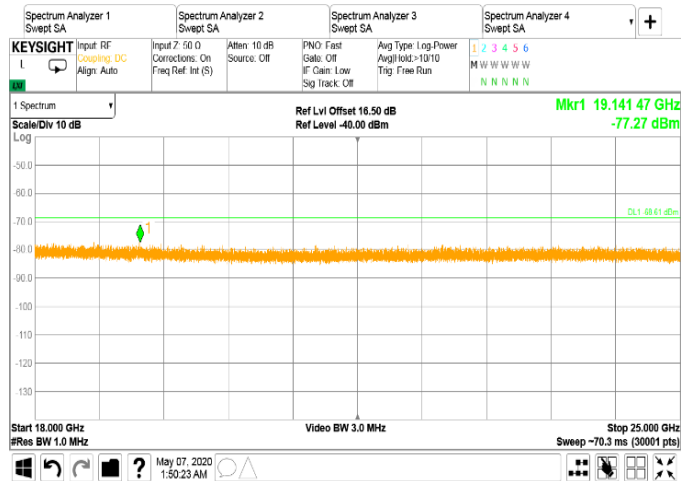
Plot 7.5.239 Spurious emission measurements in 18 - 25 GHz range at mid carrier frequency

CHANNEL BANDWIDTH: 10 MHz
 CONFIGURATION: 4 Non-Overlapping Beams
 ANTENNA PORT: #8



Plot 7.5.240 Spurious emission measurements in 18 - 25 GHz range at high carrier frequency

CHANNEL BANDWIDTH: 10 MHz
 CONFIGURATION: 4 Non-Overlapping Beams
 ANTENNA PORT: #8





Test specification: Section 15.247(d) / RSS-247 section 5.5, Band edge emissions			
Test procedure: ANSI C63.10 section 11.12.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

7.6 Band edge emissions at RF antenna connector for one beam configuration

7.6.1 General

This test was performed to measure band edge emissions at RF antenna connector. Specification test limits are given in Table 7.6.1.

Table 7.6.1 Band edge emission limits

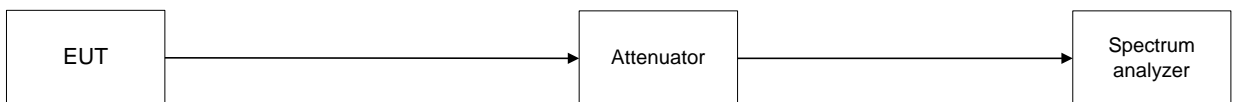
Output power	Assigned frequency, MHz	Attenuation below carrier*, dBc
Peak	902.0 – 928.0	20.0
	2400.0 – 2483.5	
	5725.0 – 5850.0	
Averaged over a time interval	902.0 – 928.0	30.0
	2400.0 – 2483.5	
	5725.0 – 5850.0	

* - Band edge emission limit is provided in terms of attenuation below the peak of modulated carrier measured with the same resolution bandwidth.

7.6.2 Test procedure

- 7.6.2.1 The EUT was set up as shown in Figure 7.6.1, energized normally modulated at the maximum data rate and its proper operation was checked.
- 7.6.2.2 The EUT was adjusted to produce maximum available to end user RF output power at the lowest carrier frequency.
- 7.6.2.3 The spectrum analyzer span was set to capture the carrier frequency and associated modulation products. The resolution bandwidth was set wider than 1 % of the frequency span.
- 7.6.2.4 The spectrum analyzer was set in max hold mode and allowed trace to stabilize. The highest emission level within the authorized band was measured.
- 7.6.2.5 The maximum band edge emission and modulation product outside of the band were measured as provided in Table 7.6.2 and associated plots and referenced to the highest emission level measured within the authorized band.
- 7.6.2.6 The above procedure was repeated with the EUT adjusted to produce maximum RF output power at the highest carrier frequency.

Figure 7.6.1 Band edge emission test setup





Test specification: Section 15.247(d) / RSS-247 section 5.5, Band edge emissions			
Test procedure: ANSI C63.10 section 11.12.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

Table 7.6.2 Band edge emission outside restricted band test results

ASSIGNED FREQUENCY RANGE: 2400 - 2483.5 MHz
DETECTOR USED: Peak
MODULATING SIGNAL: PRBS
TRANSMITTER OUTPUT POWER SETTINGS: Maximum
RESOLUTION BANDWIDTH: 100 kHz
VIDEO BANDWIDTH: ≥ RBW
CONFIGURATION: 1 beam
CHANNEL SPACING: 5 MHz

Antenna port	Frequency, MHz	Band edge emission, dBm	Emission at carrier, dBm	Attenuation below carrier, dBc	Limit, dBc	Margin, dB*	Verdict
Modulation QPSK							
Chain #1	2399.7	-58.64	-2.04**	56.60	30.0	26.60	Pass
Chain #2	2399.4	-60.00	-2.04**	57.96	30.0	27.96	Pass
Chain #3	2400.0	-58.70	-2.04**	56.66	30.0	26.66	Pass
Chain #4	2399.1	-60.25	-2.04**	58.21	30.0	28.21	Pass
Chain #5	2400.0	-57.67	-2.04**	55.63	30.0	25.63	Pass
Chain #6	2400.0	-72.03	-2.04**	69.99	30.0	39.99	Pass
Chain #7	2399.1	-72.23	-2.04**	70.19	30.0	40.19	Pass
Chain #8	2399.1	-72.16	-2.04**	70.12	30.0	40.12	Pass
Modulation 64QAM							
Chain #1	2398.5	-62.13	-3.01**	59.12	30.0	29.12	Pass
Chain #2	2400.0	-58.37	-3.01**	55.36	30.0	25.36	Pass
Chain #3	2400.0	-57.20	-3.01**	54.19	30.0	24.19	Pass
Chain #4	2400.0	-58.55	-3.01**	55.54	30.0	25.54	Pass
Chain #5	2400.0	-58.89	-3.01**	55.88	30.0	25.88	Pass
Chain #6	2400.0	-72.18	-3.01**	69.17	30.0	39.17	Pass
Chain #7	2400.0	-72.16	-3.01**	69.15	30.0	39.15	Pass
Chain #8	2399.4	-72.33	-3.01**	69.32	30.0	39.32	Pass

*- Margin = Attenuation below carrier – specification limit.

** - Was applied minimum reference level from 8 antenna chains



Test specification: Section 15.247(d) / RSS-247 section 5.5, Band edge emissions			
Test procedure: ANSI C63.10 section 11.12.1			
Test mode: Compliance		Verdict: PASS	
Date(s): 28-Jul-19			
Temperature: 24 °C	Relative Humidity: 44 %	Air Pressure: 1004 hPa	Power: 48 VDC
Remarks:			

CHANNEL SPACING:

10 MHz

Antenna port	Frequency, MHz	Band edge emission, dBm	Emission at carrier, dBm	Attenuation below carrier, dBc	Limit, dBc	Margin, dB*	Verdict
Modulation QPSK							
Chain #1	2398.8	-59.43	-5.10**	54.33	30.0	24.33	Pass
Chain #2	2399.4	-57.77	-5.10**	52.67	30.0	22.67	Pass
Chain #3	2400.0	-56.89	-5.10**	51.79	30.0	21.79	Pass
Chain #4	2399.1	-57.77	-5.10**	52.67	30.0	22.67	Pass
Chain #5	2400.0	-58.87	-5.10**	53.77	30.0	23.77	Pass
Chain #6	2400.0	-59.37	-5.10**	54.27	30.0	24.27	Pass
Chain #7	2399.1	-59.86	-5.10**	54.76	30.0	24.76	Pass
Chain #8	2399.7	-59.66	-5.10**	54.56	30.0	24.56	Pass
Modulation 64QAM							
Chain #1	2398.3	-72.31	-5.14**	67.27	30.0	27.27	Pass
Chain #2	2400.0	-57.33	-5.14**	52.19	30.0	22.19	Pass
Chain #3	2400.0	-57.66	-5.14**	52.52	30.0	22.52	Pass
Chain #4	2400.0	-60.41	-5.14**	55.27	30.0	25.27	Pass
Chain #5	2400.0	-58.35	-5.14**	53.21	30.0	23.21	Pass
Chain #6	2399.7	-59.24	-5.14**	54.10	30.0	24.10	Pass
Chain #7	2399.7	-60.39	-5.14**	55.25	30.0	25.25	Pass
Chain #8	2399.4	-60.52	-5.14**	55.38	30.0	25.38	Pass

*- Margin = Attenuation below carrier – specification limit.

** - Was applied minimum reference level from 8 antenna chains