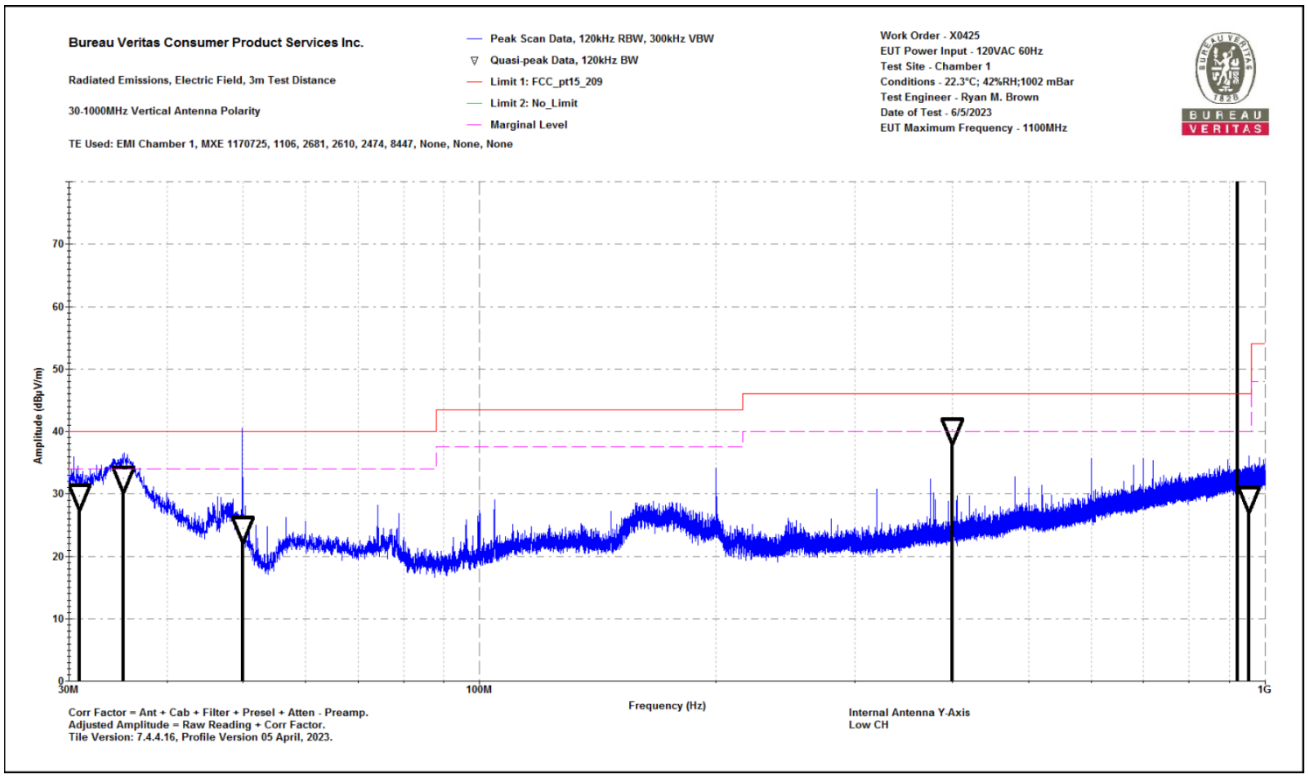
Emissions below 1GHz Internal Antenna

Results for low channel

Bureau Veritas Consumer Product Services Inc.	Work Order - X0425
Radiated Emissions Electric Field 3m Distance	EUT Power Input - 120VAC 60Hz
30-1000MHz Vertical Data	Test Site - Chamber 1
Notes:	Conditions - 22.3°C; 42%RH;1002 mBar
Internal Antenna Y-Axis	Test Engineer - Ryan M. Brown
Low CH	Date of Test - 6/5/2023

Frequency (MHz)	Raw QP Reading (dBµV)	Correction Factor (dB/m)	Adjusted QP Amplitude (dBµV/m)	Lim1: FCC_pt15_209 (dBµV/m)	Margin to Lim1 (dB)	Test Results Lim1 (Pass/Fail)	Worst Margin Lim1 (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
30.972	28.4	1.2	29.6	40	-10.4	PASS		257	105
35.173	34.4	-1.9	32.5	40	-7.5	PASS	-7.5	235	205
49.992	35.9	-11.4	24.5	40	-15.5	PASS		175	66
400.018	43.2	-2.9	40.3	46	-5.7	PASS		125	78
922.897	Fundamental							105	1
954.655	23.1	6.3	29.3	46	-16.7	PASS		168	337

30-1000MHz Vertical Data Table

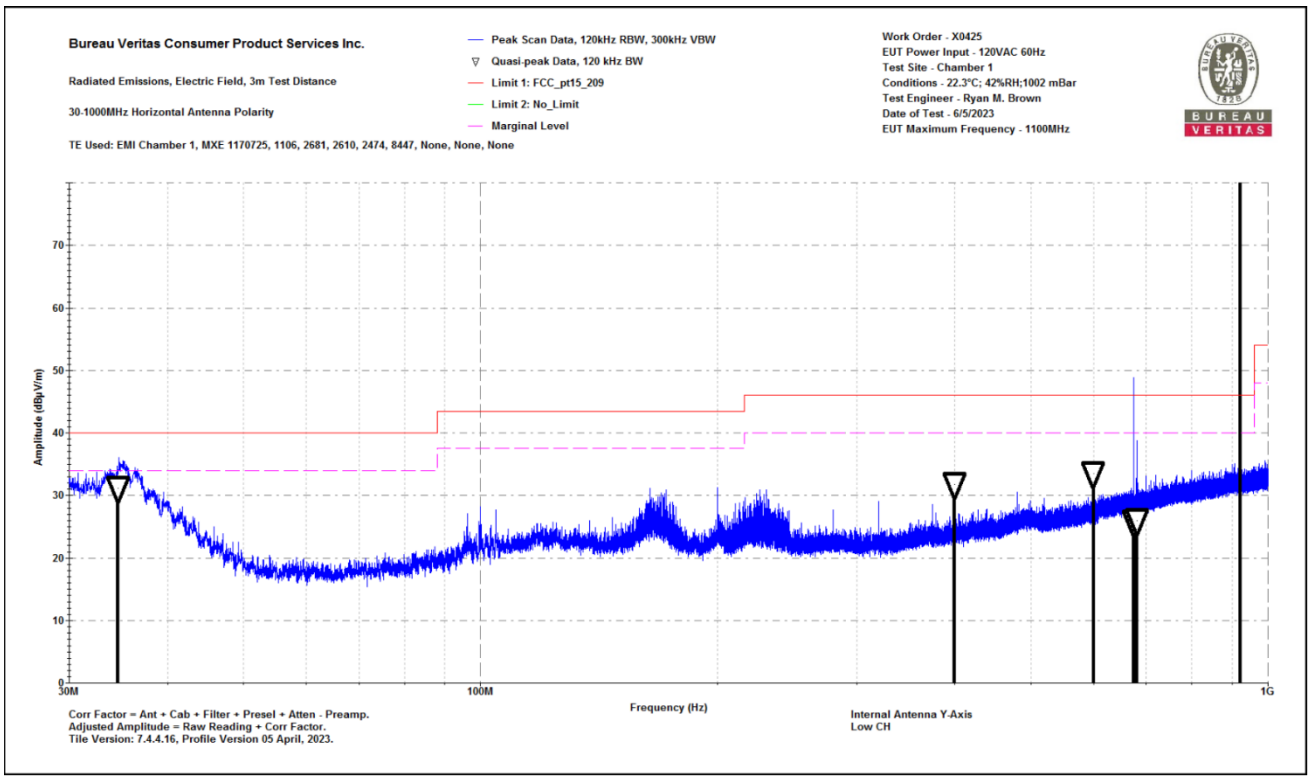


30-1000MHz Vertical Plot

Bureau Veritas Consumer Product Services Inc.	Work Order - X0425
Radiated Emissions Electric Field 3m Distance	EUT Power Input - 120VAC 60Hz
30-1000MHz Horizontal Data	Test Site - Chamber 1
Notes:	Conditions - 22.3°C; 42%RH;1002 mBar
Internal Antenna Y-Axis	Test Engineer - Ryan M. Brown
Low CH	Date of Test - 6/5/2023

Frequency (MHz)	Raw QP Reading (dBµV)	Correction Factor (dB/m)	Adjusted QP Amplitude (dBµV/m)	Lim1: FCC_pt15_209 (dbµV/m)	Margin to Lim1 (dB)	Test Results Lim1 (Pass/Fail)	Worst Margin Lim1 (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
34.601	32.6	-1.5	31.1	40	-8.9	PASS	-8.9	225	204
400.039	34.7	-2.9	31.7	46	-14.3	PASS		215	188
600.014	33.2	0.3	33.5	46	-12.5	PASS		274	201
675.839	24.2	1.5	25.7	46	-20.3	PASS		125	20
681.901	24.3	1.7	25.9	46	-20.1	PASS		105	20
922.895	Fundamental							141	0

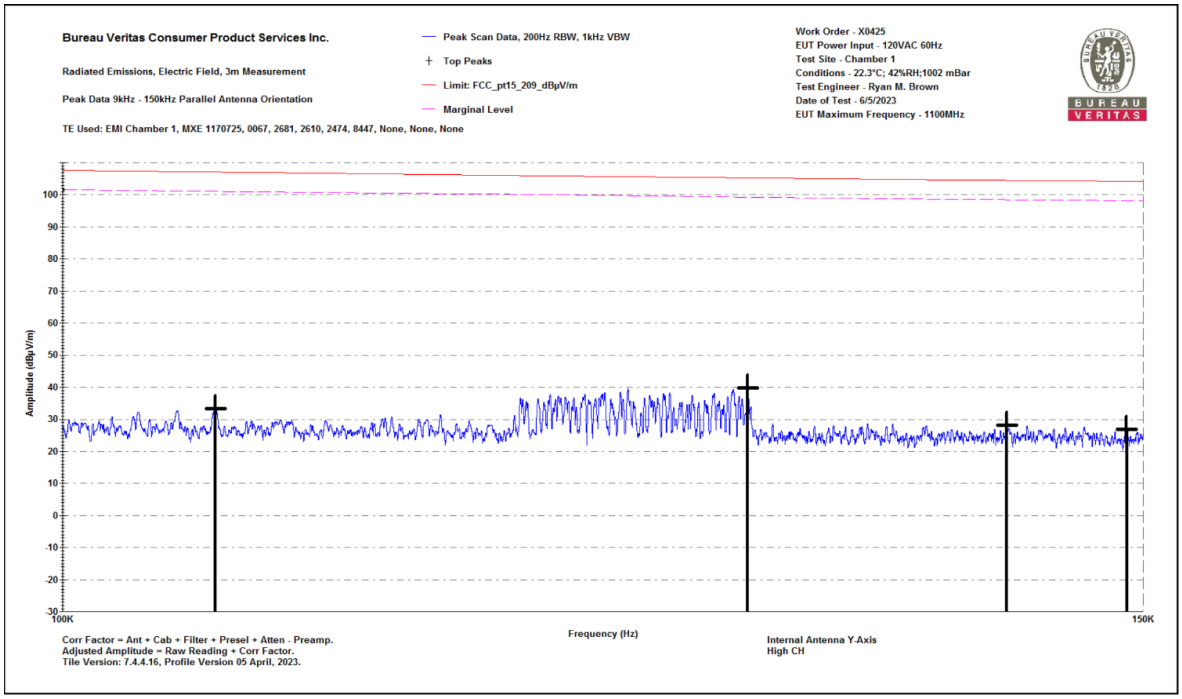
30-1000MHz Horizontal Data Table



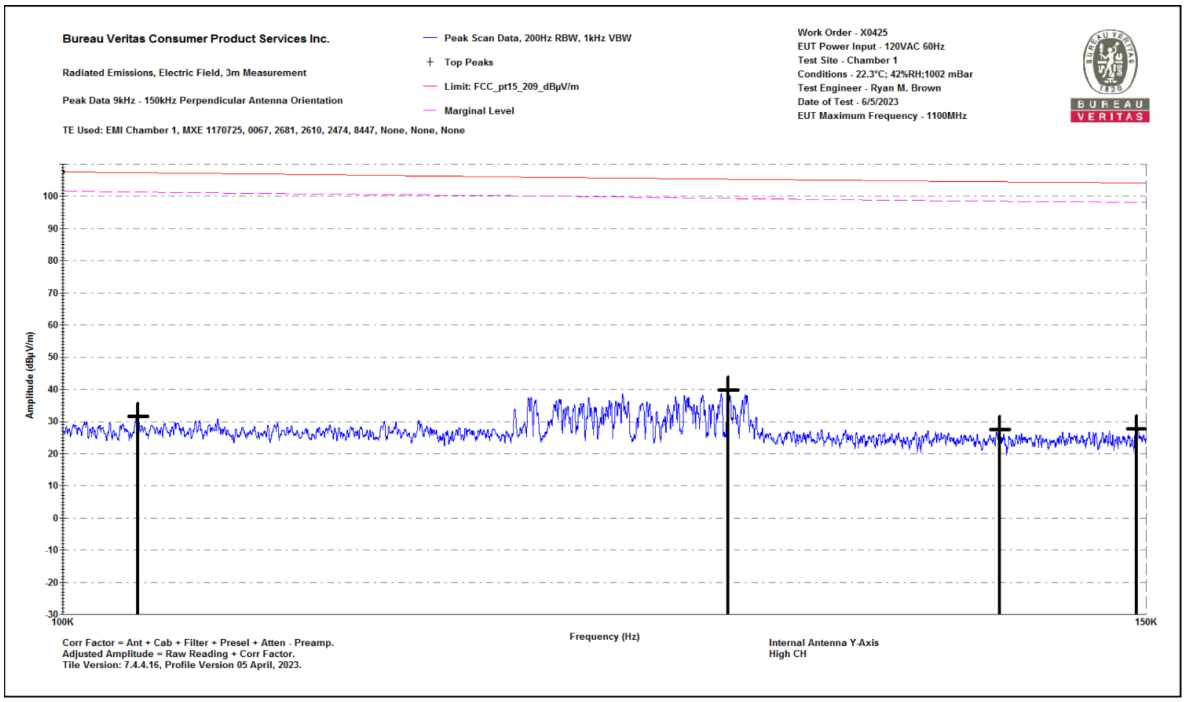
30-1000MHz Horizontal Plot

Results for high channel

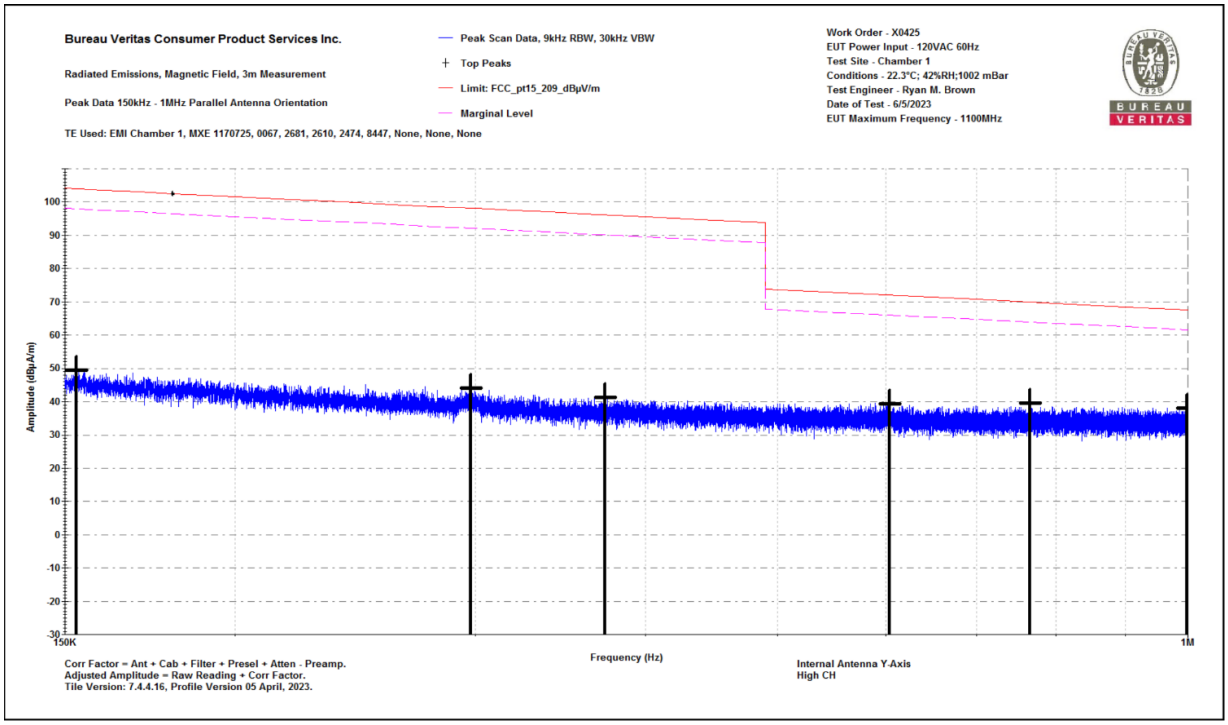
No emissions within 10dB of the limit were identified below 30MHz. Only plots shown below.



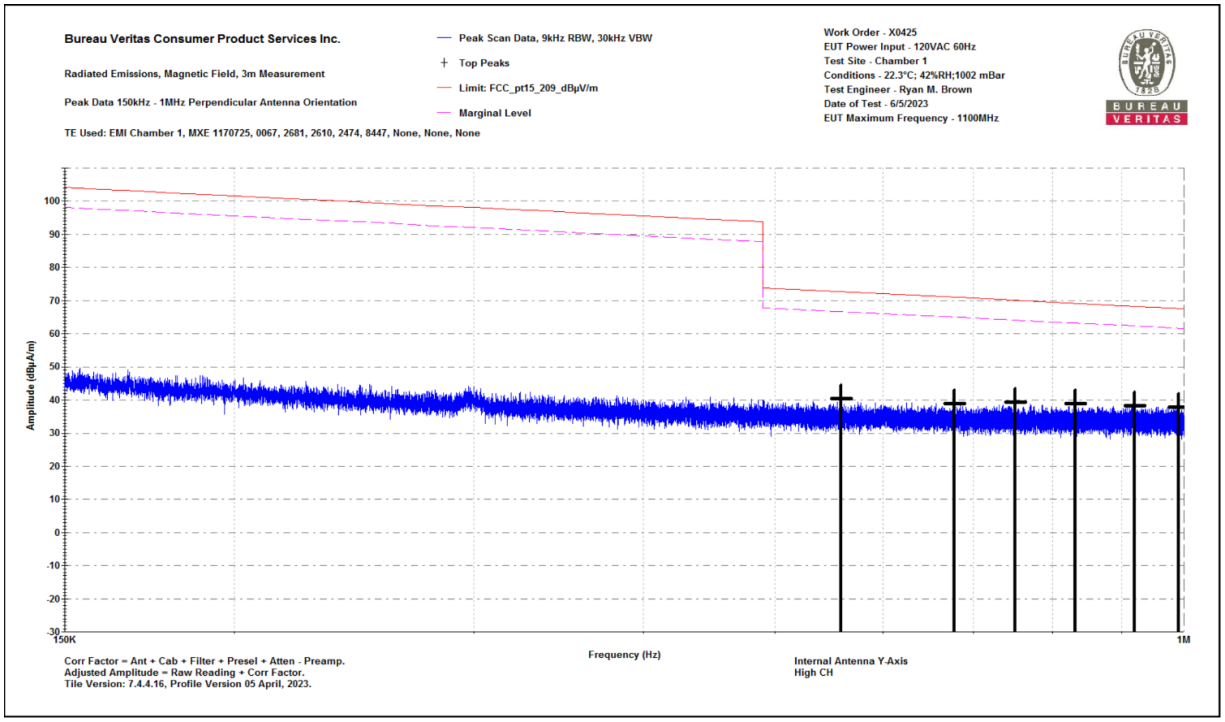
0.1-0.15MHz Parallel



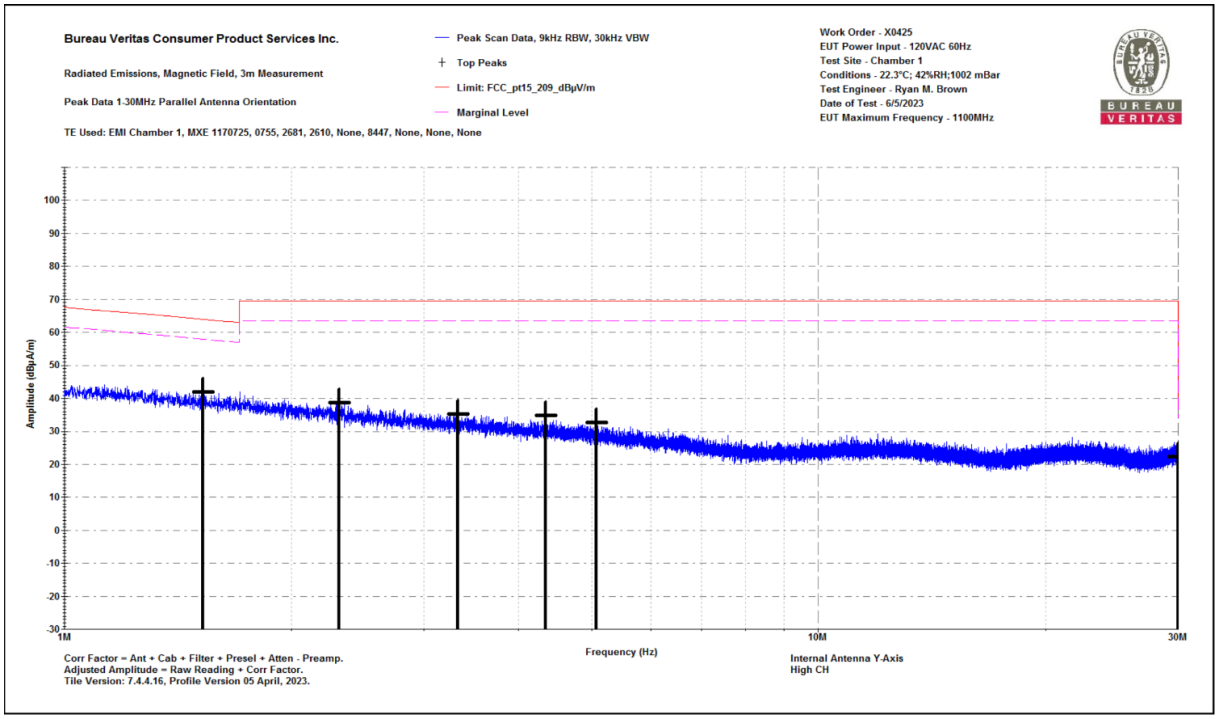
0.1-0.15MHz Perpendicular



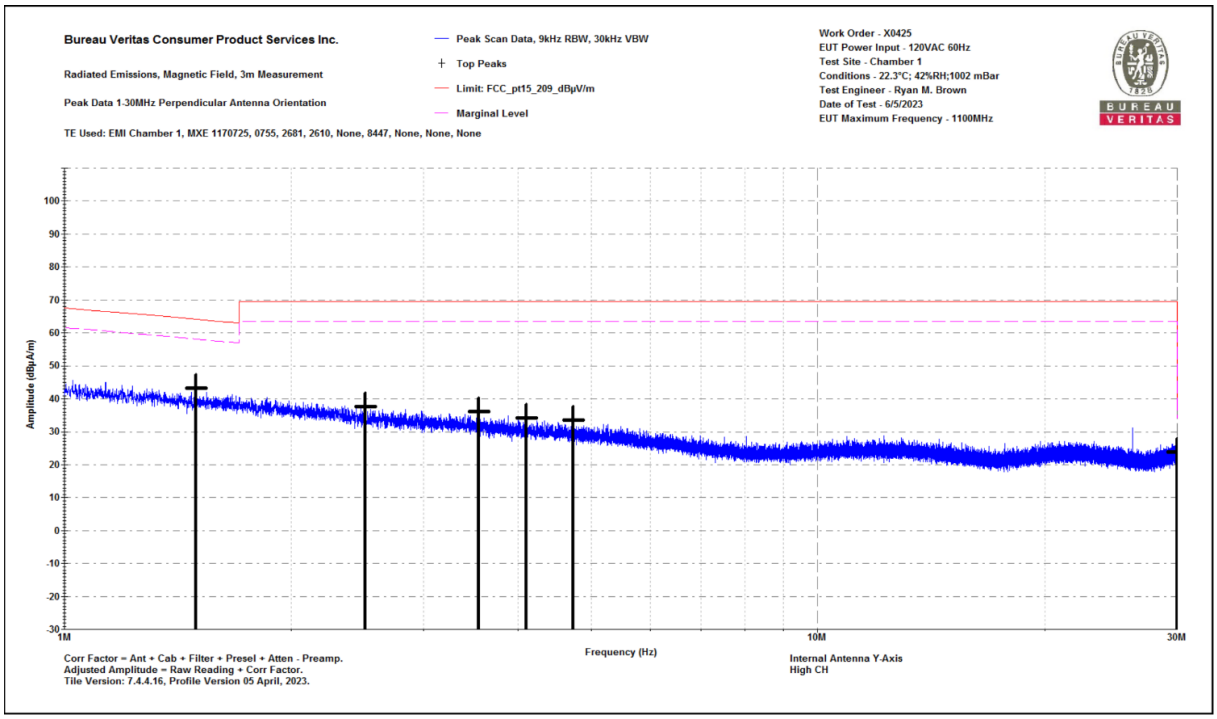
0.15-1MHz Parallel



0.15-1MHz Perpendicular



1-30MHz Parallel

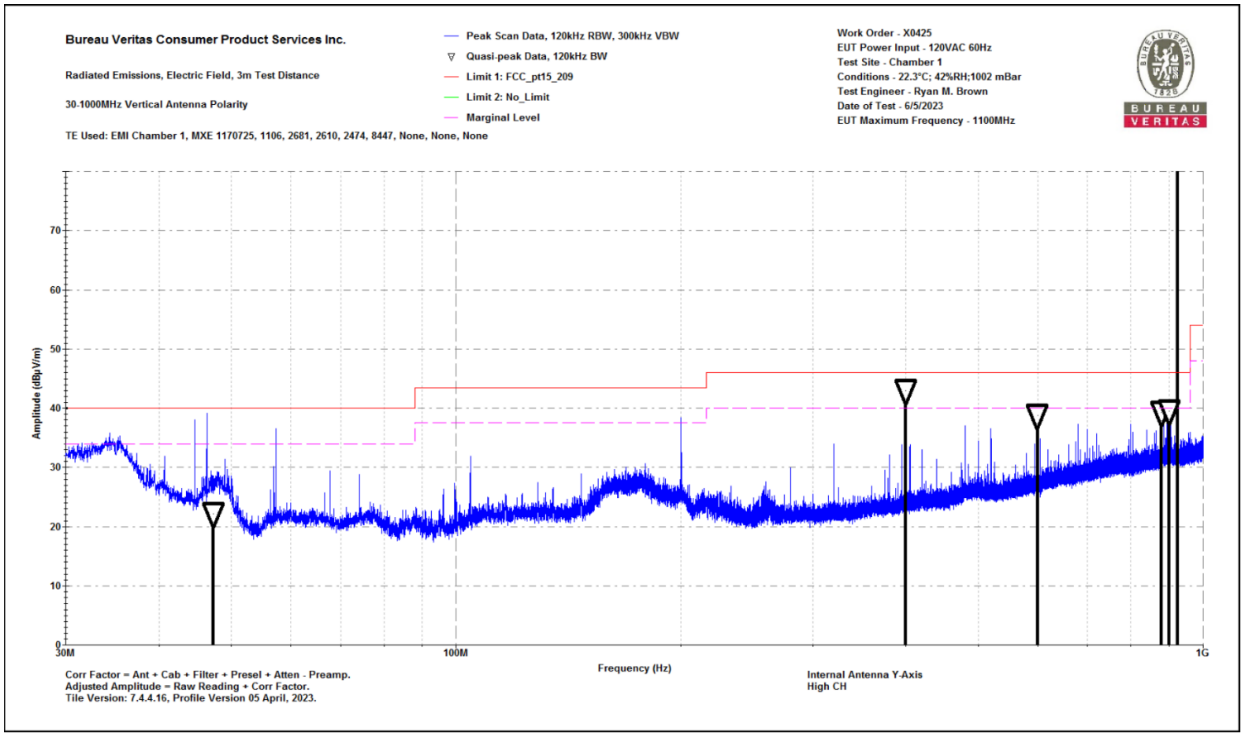


1-30MHz Perpendicular

Bureau Veritas Consumer Product Services Inc.	Work Order - X0425
Radiated Emissions Electric Field 3m Distance	EUT Power Input - 120VAC 60Hz
30-1000MHz Vertical Data	Test Site - Chamber 1
Notes:	Conditions - 22.3°C; 42%RH;1002 mBar
Internal Antenna Y-Axis	Test Engineer - Ryan M. Brown
High CH	Date of Test - 6/5/2023

Frequency (MHz)	Raw QP Reading (dBµV)	Correction Factor (dB/m)	Adjusted QP Amplitude (dBµV/m)	Lim1: FCC_pt15_209 (dBµV/m)	Margin to Lim1 (dB)	Test Results Lim1 (Pass/Fail)	Worst Margin Lim1 (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
47.31	32.4	-10.2	22.2	40	-17.8	PASS		233	65
400.006	45.9	-2.9	43	46	-3	PASS		107	94
600.011	38.5	0.3	38.8	46	-7.2	PASS		169	316
880.015	34.2	5.2	39.3	46	-6.7	PASS		157	0
900.01	34	5.6	39.6	46	-6.4	PASS		153	1
924.098	Fundamental							108	214

30-1000MHz Vertical Data Table

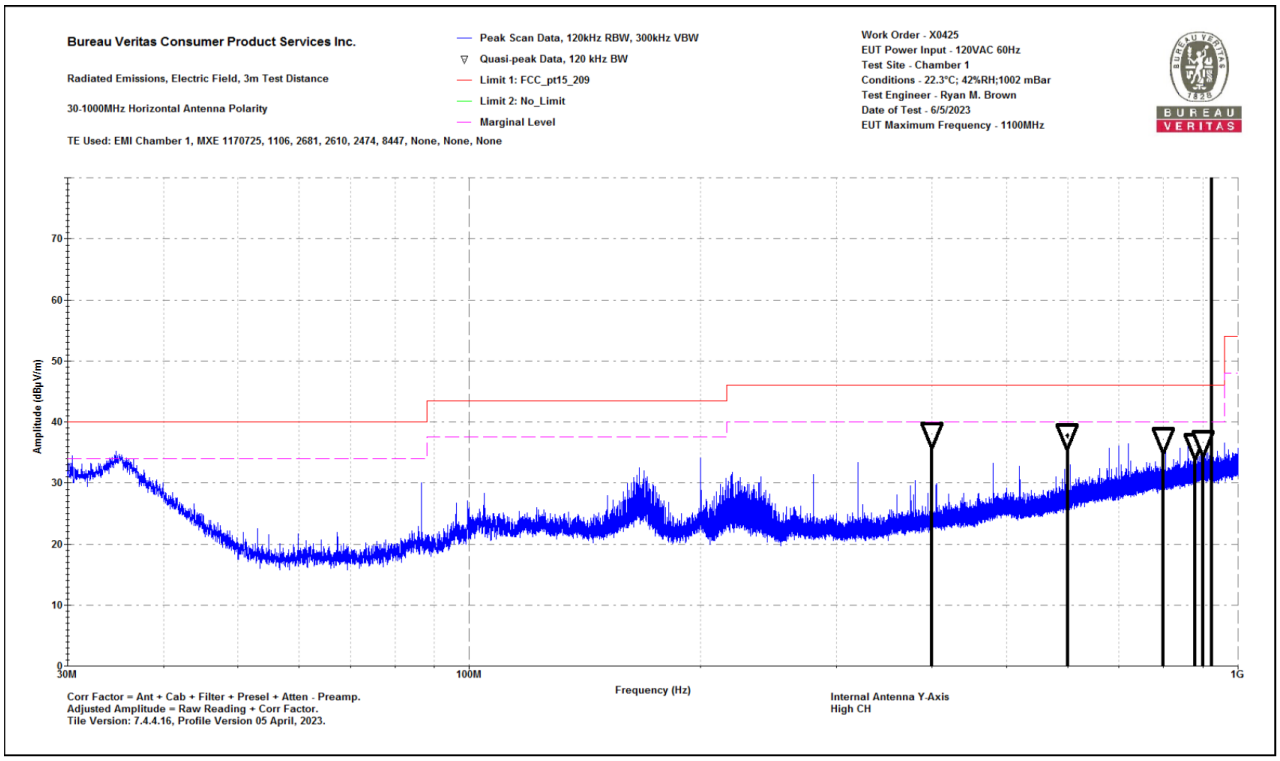


30-1000MHz Vertical Plot

Bureau Veritas Consumer Product Services Inc.	Work Order - X0425
Radiated Emissions Electric Field 3m Distance	EUT Power Input - 120VAC 60Hz
30-1000MHz Horizontal Data	Test Site - Chamber 1
Notes:	Conditions - 22.3°C; 42%RH;1002 mBar
Internal Antenna Y-Axis	Test Engineer - Ryan M. Brown
High CH	Date of Test - 6/5/2023

Frequency (MHz)	Raw QP Reading (dBµV)	Correction Factor (dB/m)	Adjusted QP Amplitude (dBµV/m)	Lim1: FCC_pt15_209 (dbµV/m)	Margin to Lim1 (dB)	Test Results Lim1 (Pass/Fail)	Worst Margin Lim1 (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
400.003	40.9	-2.9	38	46	-8	PASS		225	176
600.026	37.5	0.3	37.8	46	-8.2	PASS		100	12
800.027	33.5	3.7	37.1	46	-8.9	PASS		211	16
880.029	31	5.2	36.2	46	-9.8	PASS		127	63
900.008	31.1	5.6	36.6	46	-9.4	PASS		151	137
924.1	Fundamental							143	0

30-1000MHz Horizontal Data Table



30-1000MHz Horizontal Plot

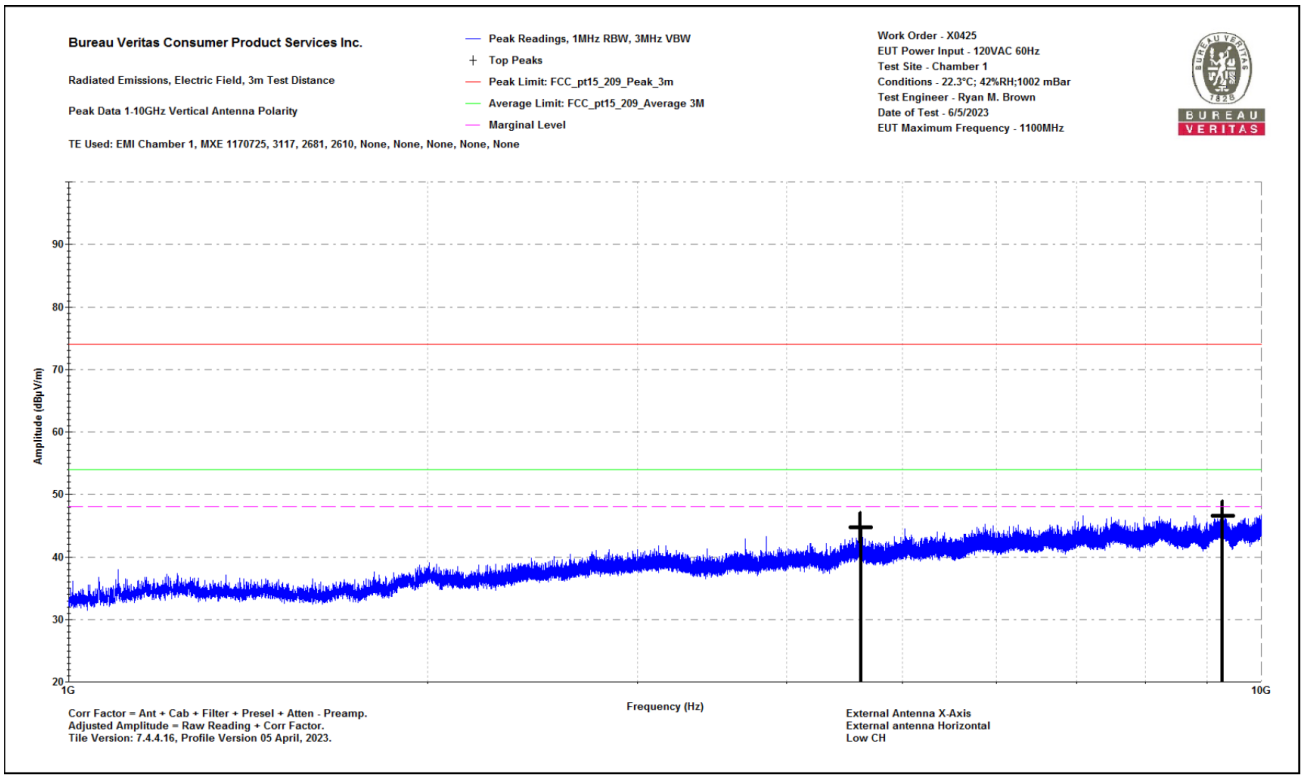
Emissions above 1GHz External Antenna

Results for low channel

Bureau Veritas Consumer Product Services Inc.	Work Order - X0425
Radiated Emissions Electric Field 3m Distance	EUT Power Input - 120VAC 60Hz
Top Peaks Vertical 1-10GHz	Test Site - Chamber 1
Notes:	Conditions - 22.3°C; 42%RH;1002 mBar
External Antenna X-Axis	Test Engineer - Ryan M. Brown
External antenna Horizontal	Date of Test - 6/5/2023
Low CH	

Frequency (MHz)	Raw Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_209_Peak_3m (dBµV/m)	Margin to Peak Limit (dB)	Peak Limit Test Results (Pass/Fail)	Peak Limit Worst Margin (dB)	Av Lim: FCC_pt15_209_Average 3M (dBµV/m)	Margin to Avg Limit (dB)	Avg Limit Test Results (Pass/Fail)	Avg Limit Worst Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
4614.18	33.6	11.1	44.7	74	-29.3	PASS		54	-9.3	PASS		100	33
9277.52	31	15.6	46.6	74	-27.4	PASS	-27.4	54	-7.4	PASS	-7.4	100	225

1-10GHz Vertical Data Table

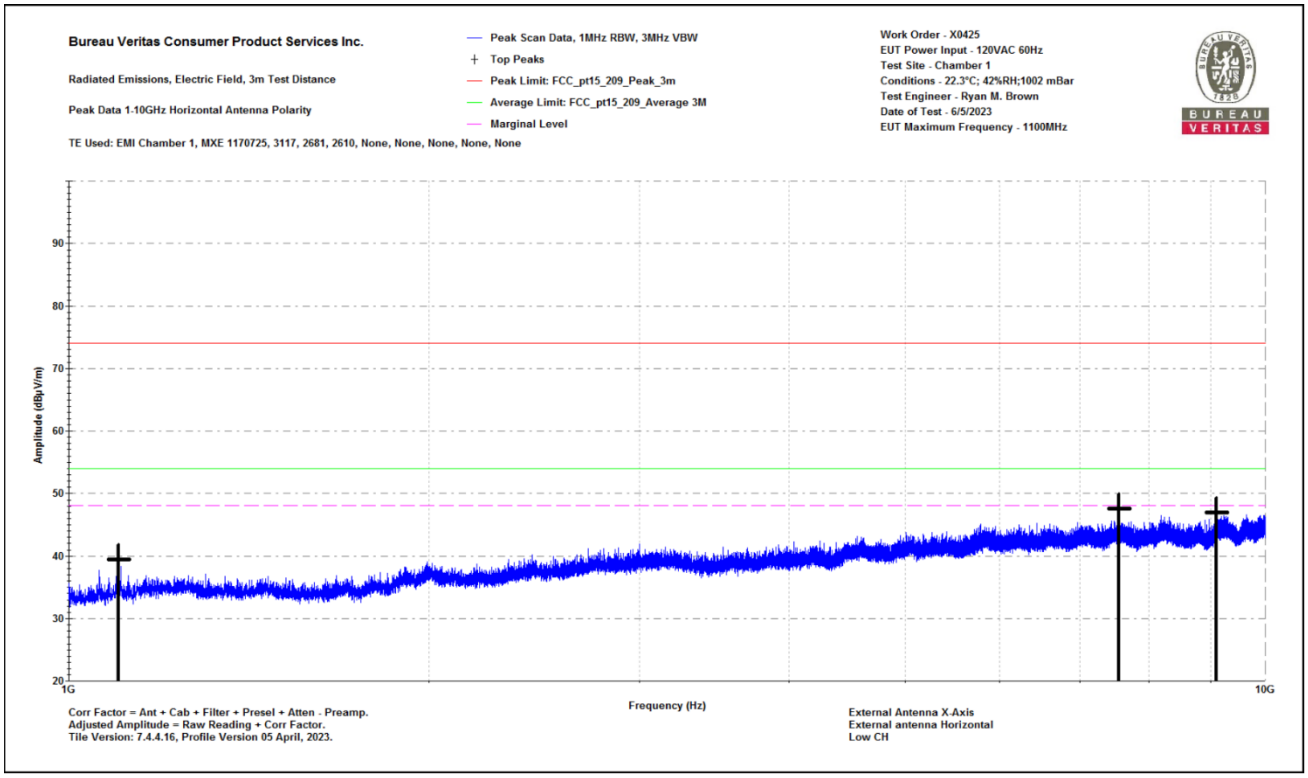


1-10GHz Vertical Plot

Bureau Veritas Consumer Product Services Inc.	Work Order - X0425
Radiated Emissions Electric Field 3m Distance	EUT Power Input - 120VAC 60Hz
Top Peaks Horizontal 1-10GHz	Test Site - Chamber 1
Notes:	Conditions - 22.3°C; 42%RH;1002 mBar
External Antenna X-Axis	Test Engineer - Ryan M. Brown
External antenna Horizontal	Date of Test - 6/5/2023
Low CH	

Frequency (MHz)	Raw Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_209_Peak_3m (dBµV/m)	Margin to Peak Limit (dB)	Peak Limit Test Results (Pass/Fail)	Peak Limit Worst Margin (dB)	Av Lim: FCC_pt15_209_Average 3M (dBµV/m)	Margin to Avg Limit (dB)	Avg Limit Test Results (Pass/Fail)	Avg Limit Worst Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
1100.35	38.1	1.4	39.5	74	-34.5	PASS		54	-14.5	PASS		200	301
7551.55	32.1	15.5	47.5	74	-26.5	PASS	-26.5	54	-6.5	PASS	-6.5	100	261
9099.77	31.6	15.3	46.9	74	-27.1	PASS		54	-7.1	PASS		100	147

1-10GHz Horizontal Data Table



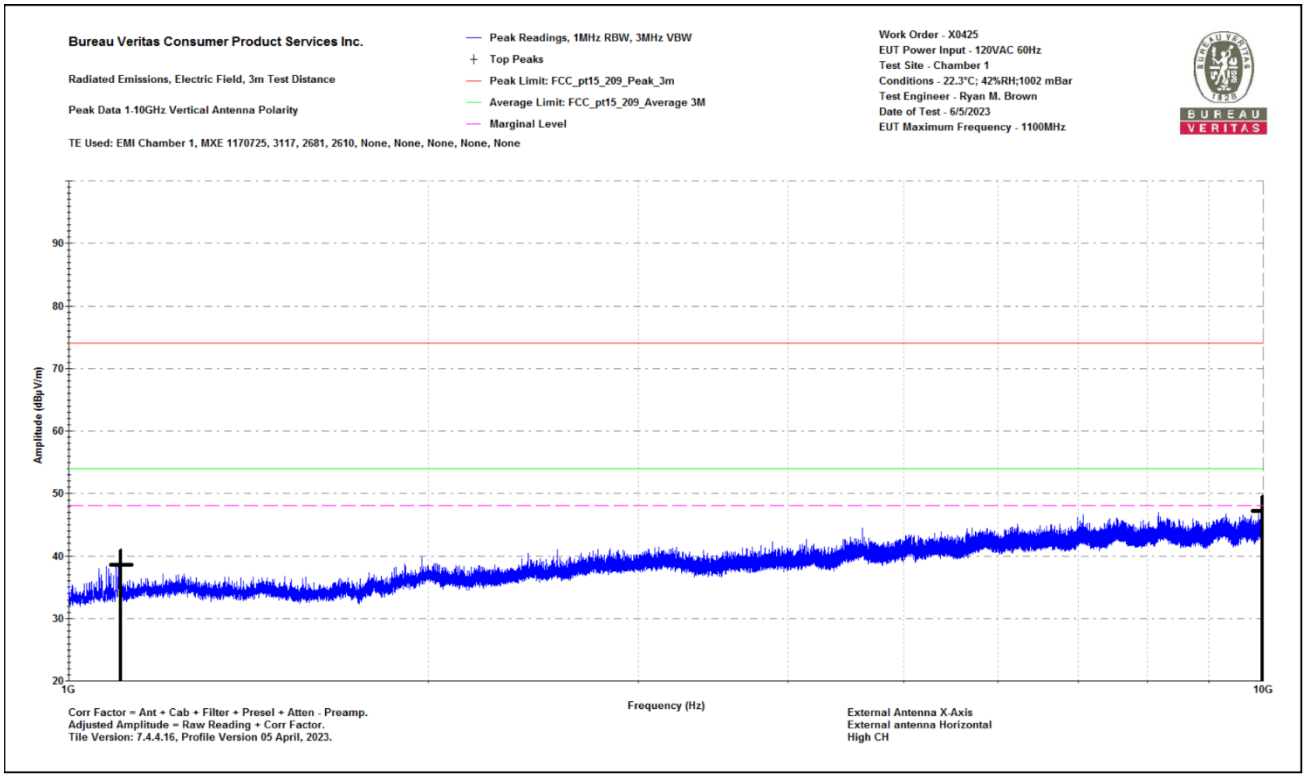
1-10GHz Horizontal Plot

Results for high channel

Bureau Veritas Consumer Product Services Inc.	Work Order - X0425
Radiated Emissions Electric Field 3m Distance	EUT Power Input - 120VAC 60Hz
Top Peaks Vertical 1-10GHz	Test Site - Chamber 1
Notes:	Conditions - 22.3°C; 42%RH;1002 mBar
External Antenna X-Axis	Test Engineer - Ryan M. Brown
External antenna Horizontal	Date of Test - 6/5/2023
High CH	

Frequency (MHz)	Raw Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_209_Peak_3m (dBµV/m)	Margin to Peak Limit (dB)	Peak Limit Test Results (Pass/Fail)	Peak Limit Worst Margin (dB)	Av Lim: FCC_pt15_209_Average 3M (dBµV/m)	Margin to Avg Limit (dB)	Avg Limit Test Results (Pass/Fail)	Avg Limit Worst Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
1105.08	37	1.5	38.5	74	-35.5	PASS		54	-15.5	PASS		175	167
9991.45	30.5	16.7	47.2	74	-26.8	PASS	-26.8	54	-6.8	PASS	-6.8	125	90

1-10GHz Vertical Data Table

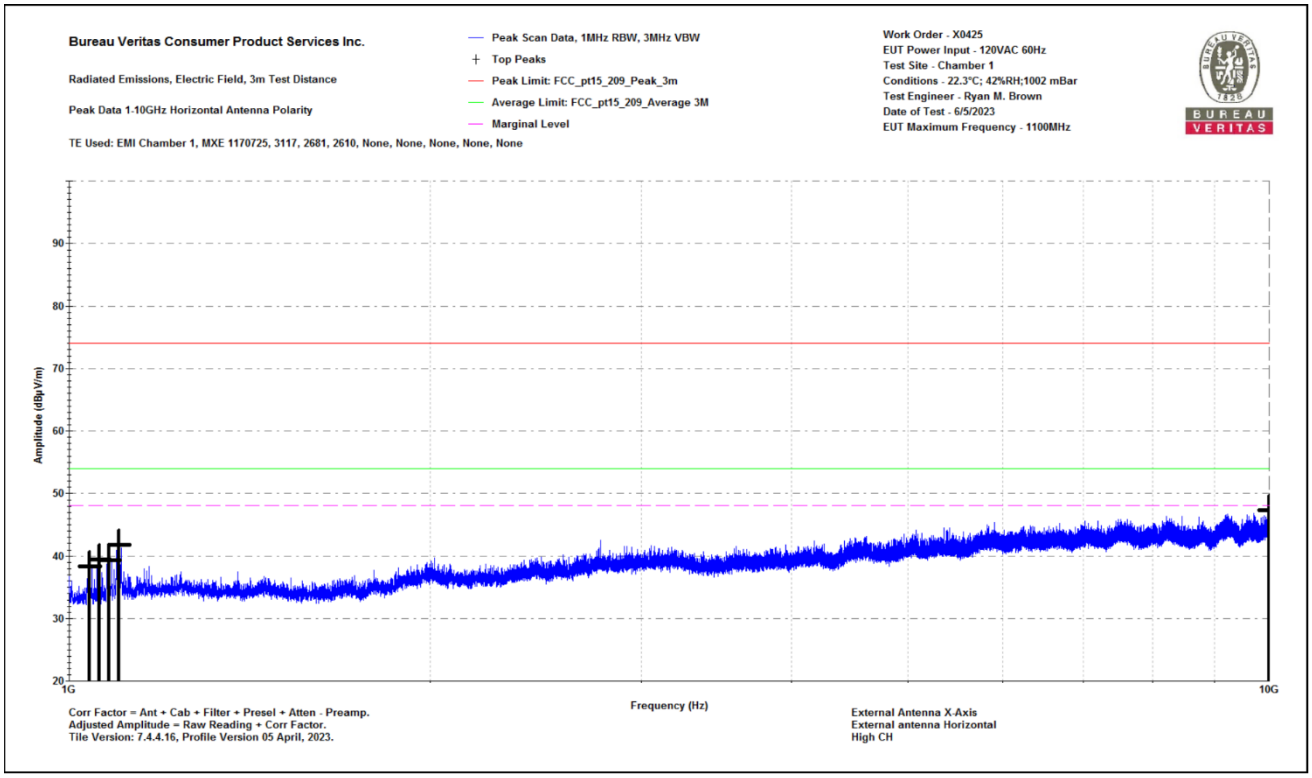


1-10GHz Vertical Plot

Bureau Veritas Consumer Product Services Inc.	Work Order - X0425
Radiated Emissions Electric Field 1m Distance	EUT Power Input - 120VAC 60Hz
Top Peaks Horizontal 6-18GHz	Test Site - Chamber 1
Notes:	Conditions - 22.3°C; 42%RH;1002 mBar
External Antenna X-Axis	Test Engineer - Ryan M. Brown
External antenna Horizontal	Date of Test - 6/5/2023
High CH	

Frequency (MHz)	Raw Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_209_Peak_3m (dBµV/m)	Margin to Peak Limit (dB)	Peak Limit Test Results (Pass/Fail)	Peak Limit Worst Margin (dB)	Av Lim: FCC_pt15_209_Average 3M (dBµV/m)	Margin to Avg Limit (dB)	Avg Limit Test Results (Pass/Fail)	Avg Limit Worst Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
1039.83	37.3	1	38.3	74	-35.7	PASS		54	-15.7	PASS		150	302
1060.08	38.3	1.1	39.4	74	-34.6	PASS		54	-14.6	PASS		100	302
1079.88	38.1	1.2	39.3	74	-34.7	PASS		54	-14.7	PASS		100	72
1099.9	40.5	1.4	41.8	74	-32.2	PASS		54	-12.2	PASS		125	91
9998.2	30.6	16.7	47.3	74	-26.7	PASS	-26.7	54	-6.7	PASS	-6.7	200	264

1-10GHz Horizontal Data Table



1-10GHz Horizontal Plot

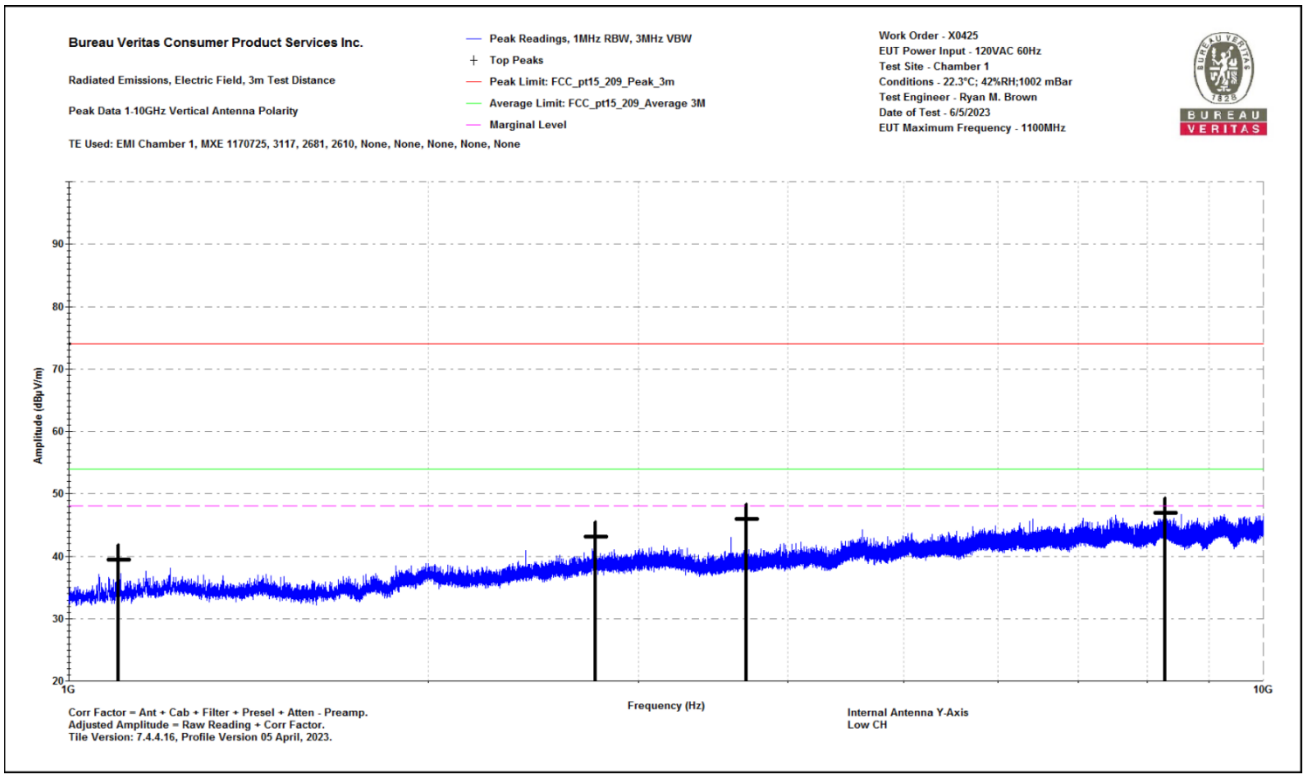
Emissions above 1GHz Internal Antenna

Results for low channel

Bureau Veritas Consumer Product Services Inc.	Work Order - X0425
Radiated Emissions Electric Field 3m Distance	EUT Power Input - 120VAC 60Hz
Top Peaks Vertical 1-10GHz	Test Site - Chamber 1
Notes:	Conditions - 22.3°C; 42%RH;1002 mBar
Internal Antenna Y-Axis	Test Engineer - Ryan M. Brown
Low CH	Date of Test - 6/5/2023

Frequency (MHz)	Raw Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_209_Peak_3m (dBµV/m)	Margin to Peak Limit (dB)	Peak Limit Test Results (Pass/Fail)	Peak Limit Worst Margin (dB)	Av Lim: FCC_pt15_209_Average 3M (dBµV/m)	Margin to Avg Limit (dB)	Avg Limit Test Results (Pass/Fail)	Avg Limit Worst Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
1099.9	38	1.4	39.4	74	-34.6	PASS		54	-14.6	PASS		175	166
2759.72	34.3	8.8	43.1	74	-30.9	PASS		54	-10.9	PASS		125	206
3691.45	36.5	9.5	46	74	-28	PASS		54	-8	PASS		100	0
8280.1	31.4	15.5	47	74	-27	PASS	-27	54	-7	PASS	-7	175	166

1-10GHz Vertical Data Table

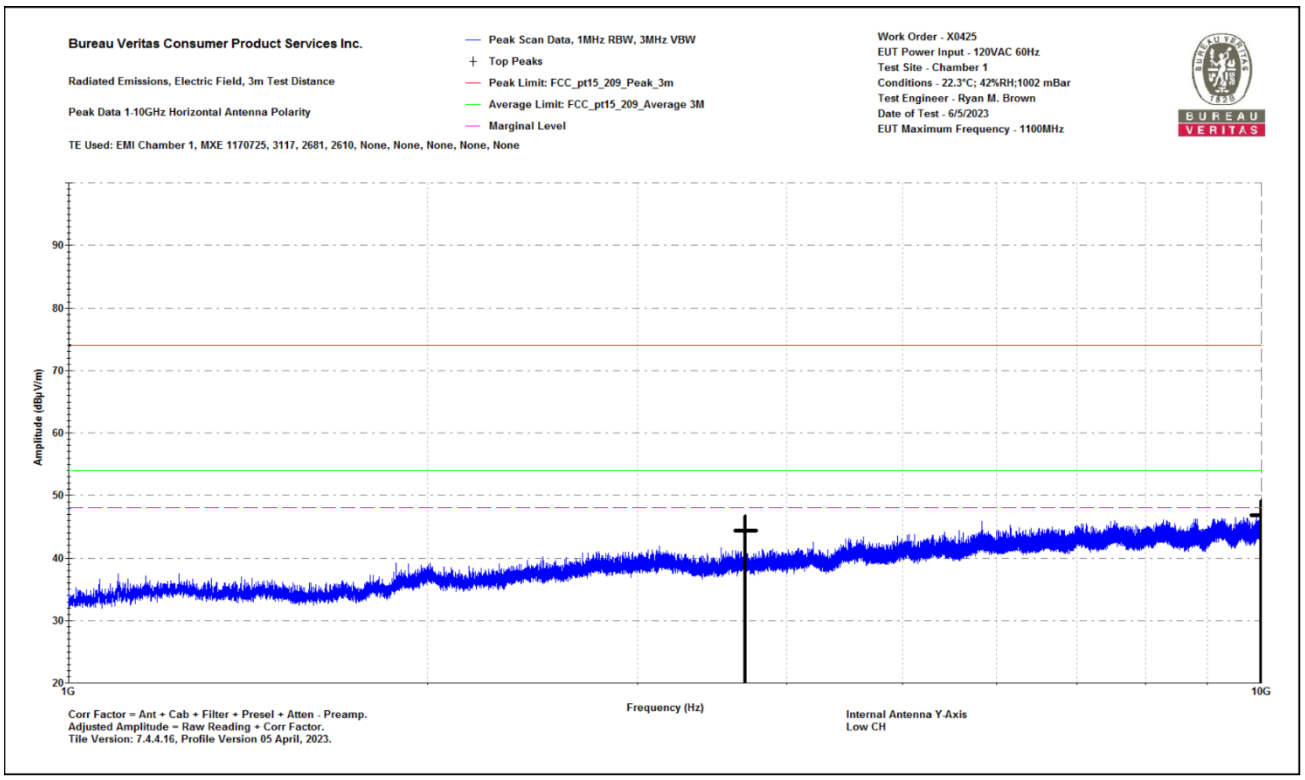


1-10GHz Vertical Plot

Bureau Veritas Consumer Product Services Inc.	Work Order - X0425
Radiated Emissions Electric Field 3m Distance	EUT Power Input - 120VAC 60Hz
Top Peaks Horizontal 1-10GHz	Test Site - Chamber 1
Notes:	Conditions - 22.3°C; 42%RH;1002 mBar
Internal Antenna Y-Axis	Test Engineer - Ryan M. Brown
Low CH	Date of Test - 6/5/2023

Frequency (MHz)	Raw Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_209_Peak_3m (dBµV/m)	Margin to Peak Limit (dB)	Peak Limit Test Results (Pass/Fail)	Peak Limit Worst Margin (dB)	Av Lim: FCC_pt15_209_Average 3M (dBµV/m)	Margin to Avg Limit (dB)	Avg Limit Test Results (Pass/Fail)	Avg Limit Worst Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
3691.68	34.9	9.5	44.4	74	-29.6	PASS		54	-9.6	PASS		125	53
9995.5	30.2	16.7	46.9	74	-27.1	PASS	-27.1	54	-7.1	PASS	-7.1	100	34

1-10GHz Horizontal Data Table



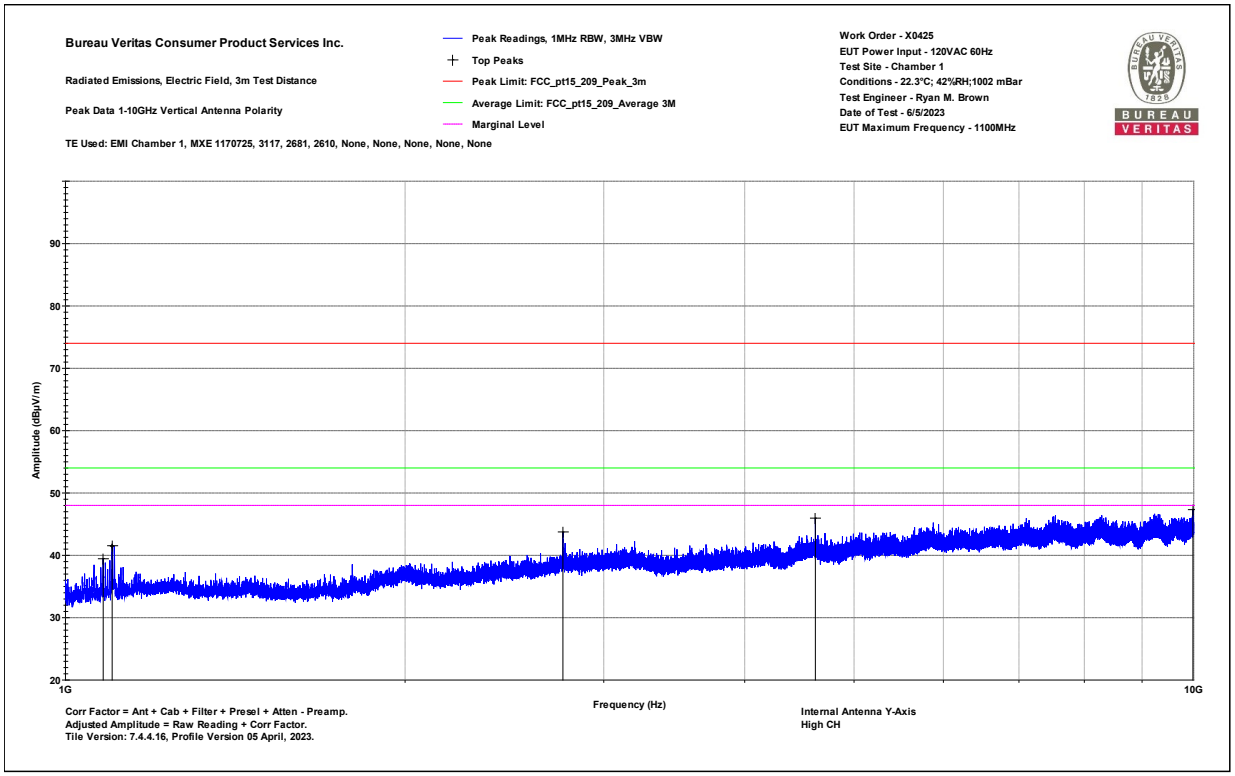
1-10GHz Horizontal Plot

Results for high channel

Bureau Veritas Consumer Product Services Inc.	Work Order - X0425
Radiated Emissions Electric Field 3m Distance	EUT Power Input - 120VAC 60Hz
Top Peaks Vertical 1-10GHz	Test Site - Chamber 1
Notes:	Conditions - 22.3°C; 42%RH;1002 mBar
Internal Antenna Y-Axis	Test Engineer - Ryan M. Brown
High CH	Date of Test - 6/5/2023

Frequency (MHz)	Raw Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_209_Peak_3m (dBµV/m)	Margin to Peak Limit (dB)	Peak Limit Test Results (Pass/Fail)	Peak Limit Worst Margin (dB)	Av Lim: FCC_pt15_209_Average 3M (dBµV/m)	Margin to Avg Limit (dB)	Avg Limit Test Results (Pass/Fail)	Avg Limit Worst Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
1080.1	38.2	1.2	39.5	74	-34.5	PASS		54	-14.5	PASS		100	109
1100.13	40.1	1.4	41.5	74	-32.5	PASS		54	-12.5	PASS		100	72
2760.18	34.9	8.8	43.7	74	-30.3	PASS		54	-10.3	PASS		175	243
4620.48	34.9	11	46	74	-28	PASS		54	-8	PASS		100	32
9983.13	30.8	16.6	47.4	74	-26.6	PASS	-26.6	54	-6.6	PASS	-6.6	125	205

1-10GHz Vertical Data Table

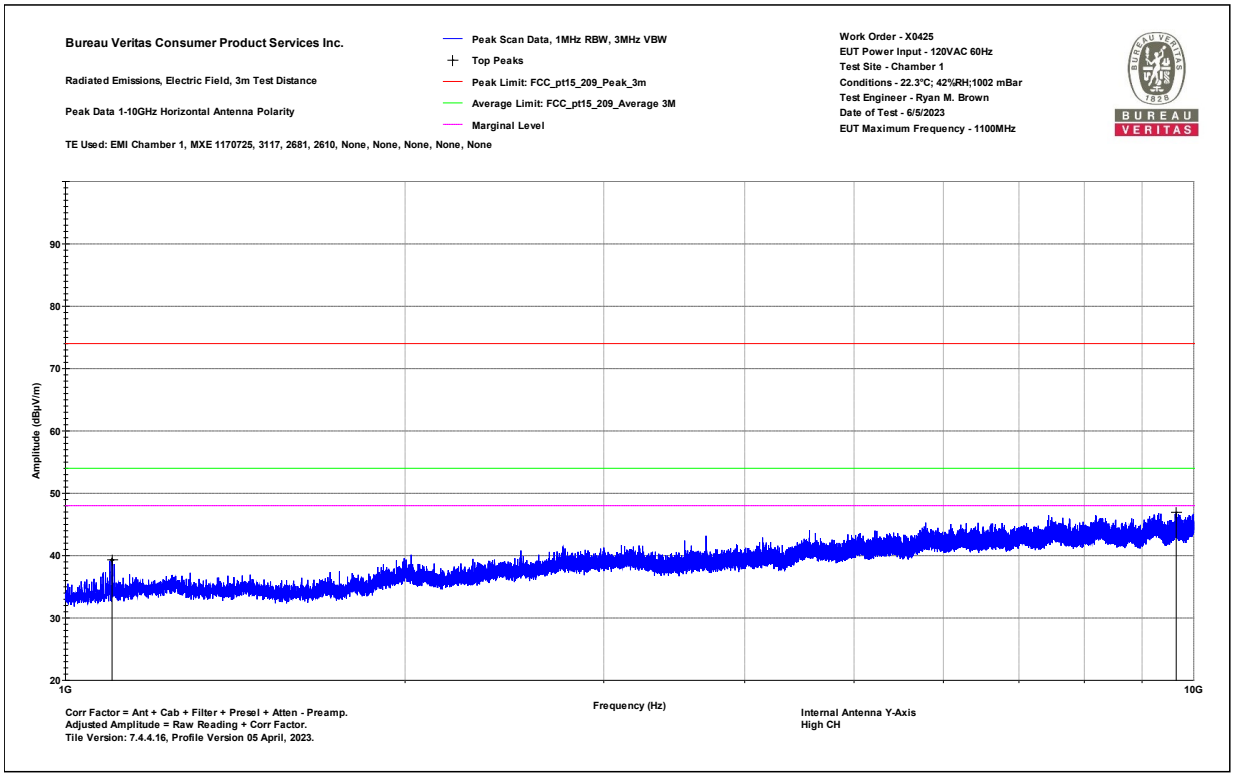


1-10GHz Vertical Plot

Bureau Veritas Consumer Product Services Inc.	Work Order - X0425
Radiated Emissions Electric Field 3m Distance	EUT Power Input - 120VAC 60Hz
Top Peaks Horizontal 1-10GHz	Test Site - Chamber 1
Notes:	Conditions - 22.3°C; 42%RH;1002 mBar
Internal Antenna Y-Axis	Test Engineer - Ryan M. Brown
High CH	Date of Test - 6/5/2023

Frequency (MHz)	Raw Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_209_Peak_3m (dBµV/m)	Margin to Peak Limit (dB)	Peak Limit Test Results (Pass/Fail)	Peak Limit Worst Margin (dB)	Av Lim: FCC_pt15_209_Average 3M (dBµV/m)	Margin to Avg Limit (dB)	Avg Limit Test Results (Pass/Fail)	Avg Limit Worst Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
1099.9	37.9	1.4	39.3	74	-34.7	PASS		54	-14.7	PASS		100	0
9649.9	30.6	16.4	46.9	74	-27.1	PASS	-27.1	54	-7.1	PASS	-7.1	100	262

1-10GHz Horizontal Data Table



1-10GHz Horizontal Plot

Radiated Band-edge:

Band-edge Measurements

Date: 30-May-23 **Company:** DogWatch **Work Order:** X0425
Engineer: Ryan M. Brown **EUT Desc:** Smart Portal **EUT Operating Voltage/Frequency:** 120VAC 60Hz
Temp: 22.3C **Humidity:** 42% **Pressure:** 1002mbar
Frequency Range: Band Edge **Measurement Distance:** 3 m

Notes: Peak max-hold measurements
Internal antenna: EUT in Y-Axis
External Antenna: EUT in X-axis, External Antenna Horizontal

Antenna Polarization (H / V)	Frequency (MHz)	Reading (dBµV)	Preamp Factor (dB)	Antenna Factor (dB/m)	Cable Factor (dB)	Adjusted Reading (dBµV/m)	--- Limit (dBµV/m)	--- Margin (dB)	--- Result (Pass/Fail)	FCC 15.209 Limit (dBµV/m)	FCC 15.209 Margin (dB)	FCC 15.209 Result (Pass/Fail)
Internal antenna	Band Edge Low		---	---	---	---	---	---	---	---	---	---
V	902.0	29.7	25.3	29.0	1.9	35.3	---	---	---	46.0	-10.7	Pass
H	902.0	30.9	25.3	29.0	1.9	36.5	---	---	---	46.0	-9.5	Pass
			---	---	---	---	---	---	---	---	---	---
Internal antenna	Band Edge High		---	---	---	---	---	---	---	---	---	---
V	928.0	30.3	25.2	28.9	1.9	35.9	---	---	---	46.0	-10.1	Pass
H	928.0	29.8	25.2	28.9	1.9	35.4	---	---	---	46.0	-10.6	Pass
			---	---	---	---	---	---	---	---	---	---
External antenna	Band Edge Low		---	---	---	---	---	---	---	---	---	---
V	902.0	30.3	25.3	29.0	1.9	35.9	---	---	---	46.0	-10.1	Pass
H	902.0	32.0	25.3	29.0	1.9	37.6	---	---	---	46.0	-8.4	Pass
			---	---	---	---	---	---	---	---	---	---
External antenna	Band Edge High		---	---	---	---	---	---	---	---	---	---
V	928.0	30.0	25.2	28.9	1.9	35.6	---	---	---	46.0	-10.4	Pass
H	928.0	30.1	25.2	28.9	1.9	35.7	---	---	---	46.0	-10.3	Pass

Table Result: Pass by -8.4 dB ***Worst Freq:*** 902.0 MHz

Test Site: EMI Chamber 1 **Cable 1:** Asset #2681 **Cable 2:** Asset #2610 **Cable 3:** Asset #2474
Analyzer: 1170725 **Preamp:** 8447F **Antenna:** Red-Black **Preselector:** ---
CSsoft Radiated Emissions Calculator v 1.017.225 Copyright Curtis-Straus LLC 2000
Adjusted Reading = Reading - Preamp Factor + Antenna Factor + Cable Factor

Test equipment used for radiated band-edge measurement

Rev. 6/6/2023

Spectrum Analyzers / Receivers /Preselectors	Range	MN	Mfr	SN	Asset	Cat	Calibration Due	Calibrated on
Rental MXE EMI Receiver(1170725)	20Hz-26.5GHz	N9038A	Agilent	MY51210151	1170725	I	2/21/2024	2/21/2023

Radiated Emissions Sites	FCC Code	IC Code	VCCI Code	Range	Asset	Cat	Calibration Due	Calibrated on
EMI Chamber 1	719150	2762A-6	A-0015	30-1000MHz	1685	I	11/29/2024	11/29/2022

Preamps /Couplers Attenuators / Filters	Range	MN	Mfr	SN	Asset	Cat	Calibration Due	Calibrated on
8447F Rental PA	9KHz-1.3GHz	84477F	HP	3113A05395		II	10/17/2023	10/17/2022

Antennas	Range	MN	Mfr	SN	Asset	Cat	Calibration Due	Calibrated on
Red-Black Bilog	30-2000MHz	JB1	Sunol	A091604-2	1106	I	6/14/2023	6/14/2021

Meteorological Meters/Chambers		MN	Mfr	SN	Asset	Cat	Calibration Due	Calibrated on
Asset 2707		SD700	EXTECH	A.115171	2707	I	1/13/2025	1/13/2023
Asset #2656		1235C97	Control Company	200435359	2656	I	8/18/2025	8/18/2022

Cables	Range	Mfr	Cat	Calibration Due	Calibrated on
Asset #2474	9KHz-18GHz	MegaPhase	II	11/1/2023	11/1/2022
Asset #2610	9KHz-18GHz	Pasternack	II	3/3/2024	3/3/2023
Asset #2681	9KHz-18GHz	Pasternack	II	12/13/2023	12/13/2022

All equipment is calibrated using standards traceable to NIST or other nationally recognized calibration standard.

4.4 20dB CHANNEL BANDWIDTH & 99% OBW

4.4.1 LIMITS

20dB BW: Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated. [15.215(c)]

99% OBW: When an occupied bandwidth is not specified in the applicable RSS, the transmitted signal bandwidth to be reported is its 99% emission bandwidth, as calculated or measured. [RSS-Gen Issue 5 Section 6.7].

4.4.2 TEST SETUP

Same as radiated spurious emissions setup 30MHz-1GHz.

4.4.3 TEST EQUIPMENT USED

Rev. 6/6/2023

Spectrum Analyzers / Receivers /Preselectors	Range	MN	Mfr	SN	Asset	Cat	Calibration Due	Calibrated on
Rental MXE EMI Receiver(1170725)	20Hz-26.5GHz	N9038A	Agilent	MY51210151	1170725	I	2/21/2024	2/21/2023
Radiated Emissions Sites	**FCC Code**	**IC Code**	**VCCI Code**	**Range**	**Asset**	**Cat**	**Calibration Due**	**Calibrated on**
EMI Chamber 1	719150	2762A-6	A-0015	30-1000MHz	1685	I	11/29/2024	11/29/2022
Preamps /Couplers Attenuators / Filters	**Range**	**MN**	**Mfr**	**SN**	**Asset**	**Cat**	**Calibration Due**	**Calibrated on**
8447F Rental PA	9KHz-1.3GHz	84477F	HP	3113A05395		II	10/17/2023	10/17/2022
Antennas	**Range**	**MN**	**Mfr**	**SN**	**Asset**	**Cat**	**Calibration Due**	**Calibrated on**
Red-Black Bilog	30-2000MHz	JB1	Sunol	A091604-2	1106	I	6/14/2023	6/14/2021
Meteorological Meters/Chambers		**MN**	**Mfr**	**SN**	**Asset**	**Cat**	**Calibration Due**	**Calibrated on**
Asset 2707		SD700	EXTECH	A.115171	2707	I	1/13/2025	1/13/2023
Asset #2656		1235C97	Control Company	200435359	2656	I	8/18/2025	8/18/2022
Cables	**Range**		**Mfr**			**Cat**	**Calibration Due**	**Calibrated on**
Asset #2474	9KHz-18GHz		MegaPhase			II	11/1/2023	11/1/2022
Asset #2610	9KHz-18GHz		Pasternack			II	3/3/2024	3/3/2023
Asset #2681	9KHz-18GHz		Pasternack			II	12/13/2023	12/13/2022

All equipment is calibrated using standards traceable to NIST or other nationally recognized calibration standard.

4.4.4 TEST PROCEDURES

20dB BW: ANSI C63.10-2013 Section 6.9

99% OBW: RSS-Gen Issue 5 Section 6.7

4.4.5 DEVIATIONS

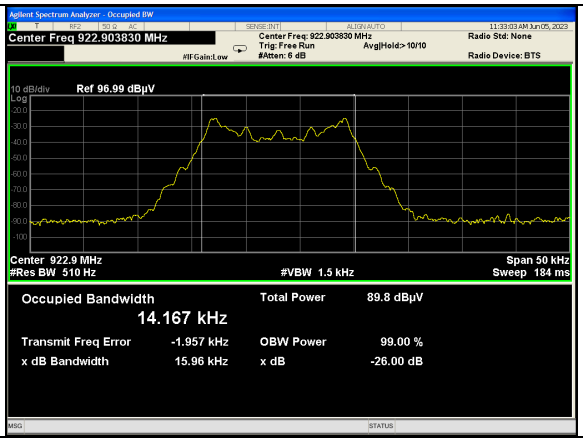
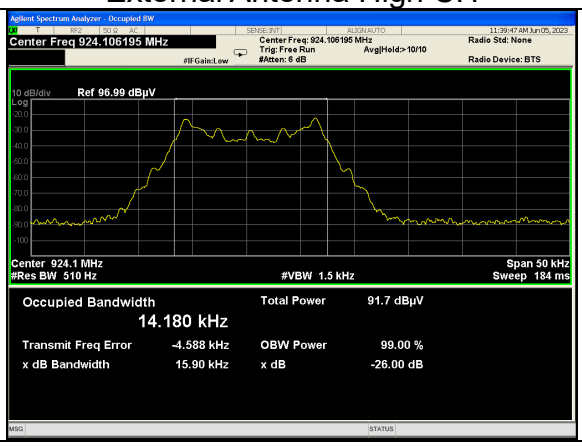
No deviations from the standard.

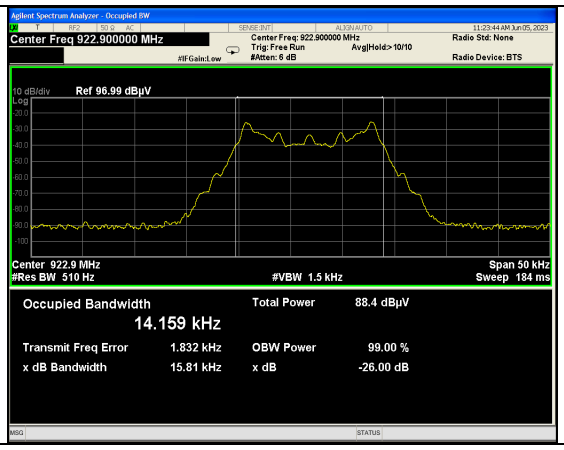
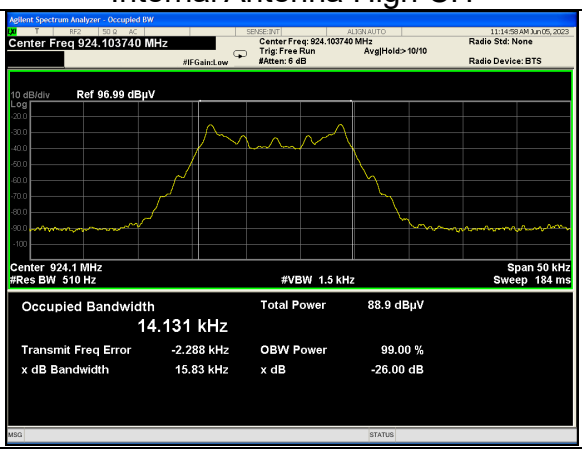
4.4.6 EUT OPERATING CONDITIONS

EUT was operated according to manufacturer's specifications.

4.4.7 TEST RESULTS

26dB BW was measured and reported below instead of 20dB BW.
Measured 26dB BW: 15.96kHz (External antenna), 15.83kHz (Internal antenna)
Measured 99% OBW: 14.180kHz (External antenna), 14.159kHz (Internal antenna)

External Antenna Low CH	External Antenna High CH
	

Internal Antenna Low CH	Internal Antenna High CH
	

5 PHOTOGRAPHS OF THE TEST CONFIGURATION

Please refer to the Test Setup Photos exhibit.

6 APPENDIX A – MODIFICATIONS

Following modification was needed during radiated emissions testing:

Ferrite added to Ethernet cable (no loop). Fair-rite part number 0461164281.

Photo of this modification can be found in the external photos exhibit.

---END OF REPORT---