Test Report

Bureau Veritas Consumer Products Services, Inc.

Report No	EW0057-2
Client	Amazon.com Services LLC
Address	300 Riverpark Drive North Reading, MA 01864
Phone	(978) 276-2815
Items tested	Assembly, User Interface UI, T-DU, NA
FCC ID	2AEZR-XUI
IC	10244A-XUI
FRN	0024656845
Equipment Type	Low Power Communication Device Transmitter
Equipment Code	DXX
Standards	CFR Title 47 FCC Part 15.249, RSS-210 Issue 10 Annex B.10
Test Dates	September 29 and 30, 2022
Results	As detailed within this report
Prepared by	Bryan Valcourt – EMC Engineer
Authorized by	Yunus Faziloglu – Wireless Manager
Issue Date	10/5/2022
Conditions of Issue	This Test Report is issued subject to the conditions stated in the '*Conditions of Testing*' section on page 27 of this report.

Contents

Form Final Report REV 2-16-07 (DW)

Product Tested - Configuration Documentation

EUT Configuration for Testing

EUT Configuration

Work Order: W0057
Company: Amazon.com Services LLC
Company Address: 300 Riverpark Drive
North Reading, MA 01864
Contact: Dao Keopad Yes
Person Present: YES

	MN	PN	SN
EUT:	600-03291-01		EMC1
EUT Description:			
EUT Max Frequency:	925MHz		
EUT Min Frequency:	0.032768MHz		
EUT ISM Frequency:	N?A		

Support Equipment:	MN	SN
X-Sort	Xsort	03482
Test Laptop/Lenovo	W530	1525

EUT Ports:

Port Label	Port Type	No. of ports	No. Populated	Cable Type	Shielded	Ferrites	Length	Max Length	In/Out NEBS Type	Unpopulated Reason
P1	Can	1	1	Twisted pair	N	N	10M for EMI Testing Only	1M	Indoor	

Software / Operating Mode Description:

EUT run by client, Software UI 2.0.2

Performance Criteria:

N/A, no immunity required for this effort.

EUT Clock Frequencies

EUT Frequencies (MHz)
0.032768
0.125
2.1
16
925

Summary and Test Methodology

On September 29 and 30, 2022 we tested the Assembly, User Interface UI, T-DU, NA (Model 600-03291-01) for compliance with the following requirements:

CFR Title 47 FCC Part 15.249, RSS-210 Issue 10 Annex B.10

EUT transmits at 925MHz. Emissions were tested with the EUT in its intended installation orientation. EUT has an internal surface mount chip antenna with 3.32dBi gain.

Radiated emission testing was performed according to the procedures specified in ANSI C63.10-2013 and RSS-Gen Issue 5.

Following bandwidths were used during radiated and conducted spurious emissions testing.

Frequency	RBW	VBW
9kHz-150kHz	200Hz	1kHz
150kHz-30MHz	9kHz	30kHz
30MHz-1000MHz	120kHz	300kHz
1GHz-10GHz	1MHz	3MHz

We found that the product met the above requirements without modification. The test sample was received in good condition.

Note for measurements below 30MHz:
The limits in CFR 47, Part 15, Subpart C, paragraph 15.209 (a), are identical to those in RSS-GEN Section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table) using the free space impedance of 377Ω. For example, at 1.154MHz electric field strength at 3m was measured as 52.6dBuV/m. This is equivalent to 52.6 - 51.5 = 1.1dBuA/m, which has the same margin, -13.8dB, to the corresponding RSS-GEN Table 6 limit as it has to the 15.209(a) limit.

Compliance Statement

RSS-GEN	RSP-100	RSS 210	Part 15	Comments
6.4			15.15(b)	There are no controls accessible to the user to vary the output power.
	3.1		15.19	The label is shown in the label exhibit.
	3.2		15.21	Information to the user is shown in the instruction manual exhibit.
			15.27	No special accessories are required for compliance.
3.2			15.31	The EUT was tested in accordance with the measurement standards in this section.
6.13.2			15.33	Frequency range was investigated according to this section, unless noted in specific rule section under which the equipment operates.
6.13.1			15.35	The EUT emissions were measured using the measurement detector and bandwidth specified in this section, unless noted in specific rule section under which the equipment operates.
6.8			15.203	Antenna: Yageo ANT1204LL05R0915A Type: Internal surface mount chip Peak gain: 3.32dBi
8.10			15.205 15.209	The fundamental is not in a Restricted band and the spurious and harmonic emissions in the Restricted bands comply with the general emission limits of 15.209 or RSS-Gen as applicable
8.8			15.207	N/A. Battery powered by robot during testing.
		B.10(a)	15.249(a)	The fundamental and harmonics met the limits in 15.249(a)
		B.10(b)	15.249(d)	Spurious emissions met the limits in 15.209.
6.7				99% emissions bandwidth plot is provided.

Modifications Required for Compliance

There were no modifications required for compliance.

Test Results

Fundamental Measurements

LIMITS: *[15.249(a)] The field strength from intentional radiators operated within these frequency bands shall comply with the following:*

Fundamental Frequency	Field Strength of Fundamental (millivolts/meter)	Field Strength of Harmonics (microvolts/meter)
902 - 928 MHz	50	500
2400 - 2483.5 MHz	50	500
5725 - 5875 MHz	50	500
24.0 - 24.25 GHz	250	2500

MEASUREMENTS / RESULTS

Radiated Emissions Table

Date: 29-Sep-22 **Company:** Amazon.com Services LLC **Work Order:** W0057
Engineer: Matthew McCarthy **EUT Desc:** Assembly, User Interface UI, T-DU, NA **EUT Operating Voltage/Frequency:** 12VDC
Temp: 21.3°C **Humidity:** 54% **Pressure:** 1019mBar
Frequency Range: 925 Fundamental **Measurement Distance:** 3 m
Notes: Tested Peak Readings Power Setting 3 **EUT Max Freq:** 925MHz

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 Class B Limit (dBµV/m)	FCC Class B Margin (dB)	FCC Class B Result (Pass/Fail)
V	925.0	56.7	25.5	28.6	1.8	61.6	---	---	---	93.98	-32.4	Pass
H	925.0	60.1	25.5	28.6	1.8	65.0	---	---	---	93.98	-29.0	Pass

Table Result: Pass by -29.0 dB ***Worst Freq:*** 925.0 MHz

Test Site: EMI Chamber 1 **Cable 1:** Asset #2583 **Cable 2:** Asset #2610 **Cable 3:** Asset #2474
Analyzer: Asset #2093 **Preamp:** Asset #8447F **Antenna:** Red-Brown **Preselector:** ---
CSsoft Radiated Emissions Calculator v 1.017.222

Adjusted Reading = Reading - Preamp Factor + Antenna Factor + Cable Factor

925MHz Fundamentals

Rev. 9/19/2022

Spectrum Analyzers / Receivers /Preselectors	Range	MN	Mfr	SN	Asset	Cat	Calibration Due	Calibrated on
2093 MXE EMI Receiver	20Hz-26.5GHz	N9038A	Agilent	MY51210181	2093	I	3/7/2023	3/7/2022
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	12/6/2022	12/6/2020
Preamps /Couplers Attenuators / Filters	**Range**	**MN**	**Mfr**	**SN**	**Asset**	**Cat**	**Calibration Due**	**Calibrated on**
8447F Rental PA	9KHz-1.3GHz	84477F	HP	3113A05395		II	10/18/2022	10/18/2021
Antennas	**Range**	**MN**	**Mfr**	**SN**	**Asset**	**Cat**	**Calibration Due**	**Calibrated on**
Red-Brown Bilog	30-2000MHz	JB1	Sunol	A0032406	1218	I	4/28/2023	4/28/2021
Meteorological Meters/Chambers		**MN**	**Mfr**	**SN**	**Asset**	**Cat**	**Calibration Due**	**Calibrated on**
Weather Clock (Pressure Only)		BA928	Oregon Scientific	C3166-1	831	I	11/23/2022	11/23/2020
Asset #2654		1235C97	Control Company	200477432	2654	I	8/18/2025	8/18/2022
Cables	**Range**		**Mfr**			**Cat**	**Calibration Due**	**Calibrated on**
Asset #2474	9KHz-18GHz		MegaPhase			II	11/9/2022	11/9/2021
Asset #2610	9KHz-18GHz		Pasternack			II	3/16/2023	3/16/2022
Asset #2583	9KHz-18GHz		Pasternack			II	2/17/2023	2/17/2022

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

Test Equipment Used

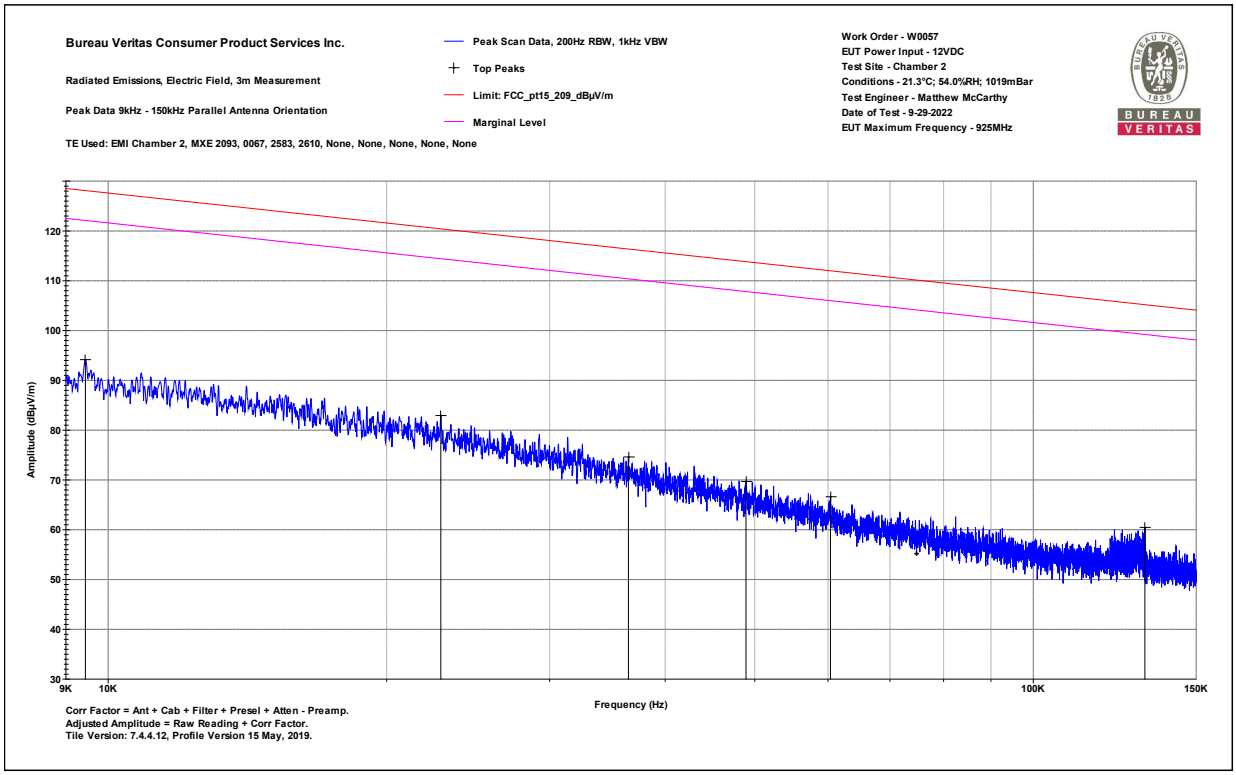
Radiated Spurious Emissions

Bureau Veritas Consumer Product Services Inc.
Radiated Emissions, Electric Field, 3m Measurement
Top Peaks Parallel 9-150kHz
Notes:

Work Order - W0057
EUT Power Input - 12VDC
Test Site - Chamber 2
Conditions - 21.3°C; 54.0%RH; 1019mBar
Test Engineer - Matthew McCarthy
Date of Test - 9-29-2022

Frequency (MHz)	Raw Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Lim: FCC_pt15_209_dBµV/m (dBµV/m)	Peak Margin (dB)	Peak Test Results (Pass/Fail)	Worst Margin (dB)	EUT Azimuth (degrees)
0.009448	27.9	66.3	94.2	128.1	-34	PASS	-34	330
0.022885	21.9	61	82.9	120.4	-37.5	PASS		30
0.036509	17.4	57.2	74.6	116.4	-41.8	PASS		210
0.04891	14.6	55.1	69.7	113.8	-44.1	PASS		330
0.060366	13.6	53	66.6	112	-45.4	PASS		285
0.132037	10.7	49.7	60.4	105.2	-44.8	PASS		240

9-150kHz Parallel to EUT Data Table



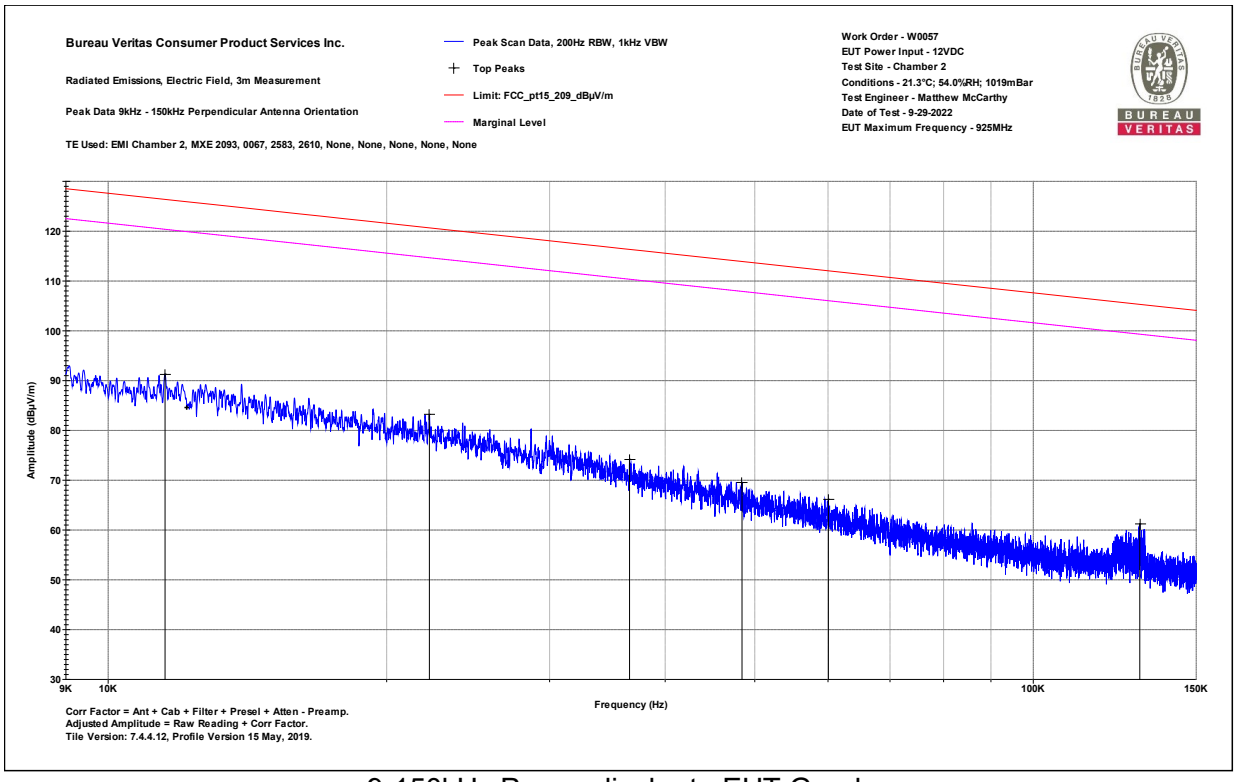
9-150kHz Parallel to EUT Graph

Bureau Veritas Consumer Product Services Inc.
Radiated Emissions, Electric Field, 3m Measurement
Top Peaks Perpendicular 9-150kHz
Notes:

Work Order - W0057
EUT Power Input - 12VDC
Test Site - Chamber 2
Conditions - 21.3°C; 54.0%RH; 1019mBar
Test Engineer - Matthew McCarthy
Date of Test - 9-29-2022

Frequency (MHz)	Raw Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Lim: FCC_pt15_209_dBµV/m (dBµV/m)	Peak Margin (dB)	Peak Test Results (Pass/Fail)	Worst Margin (dB)	EUT Azimuth (degrees)
0.01152	26.2	65.1	91.3	126.4	-35.1	PASS	-35.1	0
0.022243	22	61.2	83.2	120.7	-37.5	PASS		240
0.036611	17	57.2	74.2	116.3	-42.2	PASS		45
0.048438	14.4	55.1	69.5	113.9	-44.4	PASS		330
0.060053	13.2	53	66.2	112	-45.9	PASS		330
0.130362	11.5	49.7	61.2	105.3	-44.1	PASS		315

9-150kHz Perpendicular to EUT Data Table



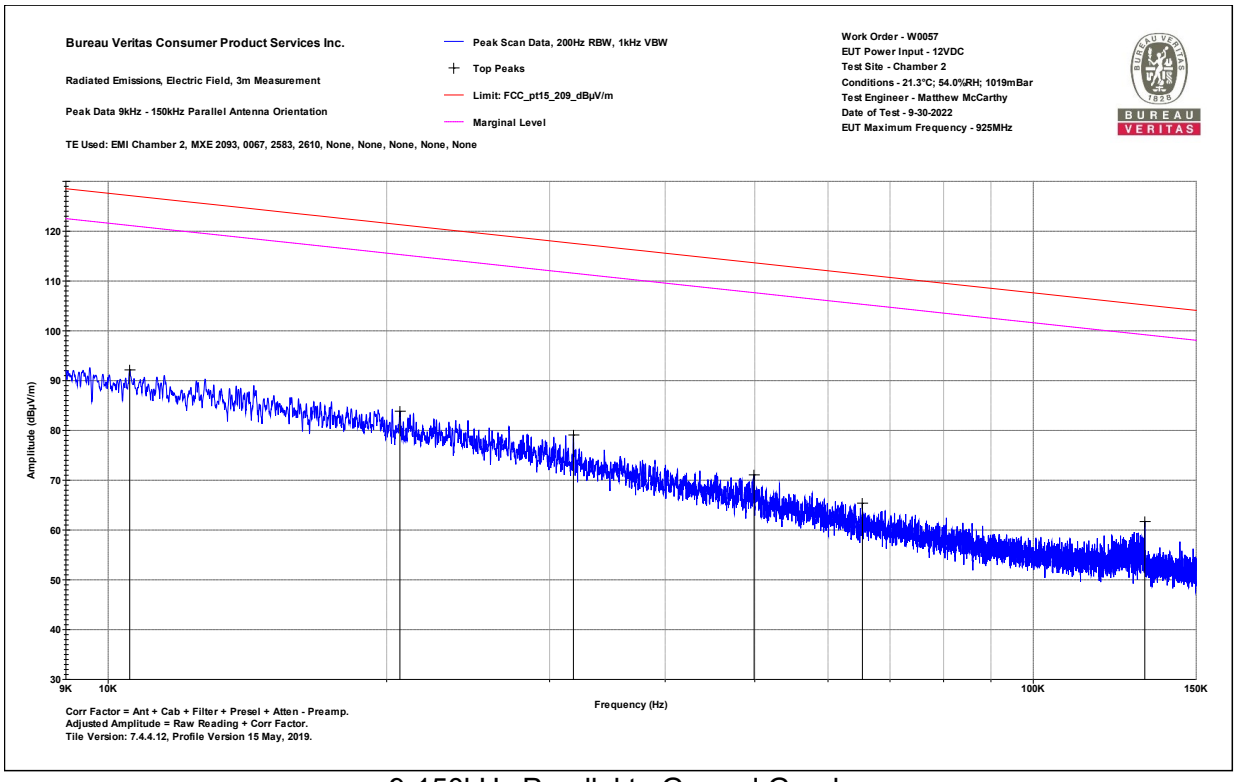
9-150kHz Perpendicular to EUT Graph

Bureau Veritas Consumer Product Services Inc.
Radiated Emissions, Electric Field, 3m Measurement
Top Peaks Parallel 9-150kHz
Notes:

Work Order - W0057
EUT Power Input - 12VDC
Test Site - Chamber 2
Conditions - 21.3°C; 54.0%RH; 1019mBar
Test Engineer - Matthew McCarthy
Date of Test - 9-30-2022

Frequency (MHz)	Raw Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Lim: FCC_pt15_209_dBµV/m (dBµV/m)	Peak Margin (dB)	Peak Test Results (Pass/Fail)	Worst Margin (dB)	EUT Azimuth (degrees)
0.010551	26.7	65.4	92.1	127.1	-35	PASS	-35	255
0.020671	22.1	61.7	83.8	121.3	-37.5	PASS		45
0.031835	20.7	58.3	79	117.5	-38.5	PASS		165
0.049911	16.1	54.9	71.1	113.6	-42.6	PASS		90
0.065361	12.9	52.4	65.3	111.3	-46	PASS		60
0.131994	12	49.7	61.7	105.2	-43.5	PASS		90

9-150kHz Parallel to Ground Data Table



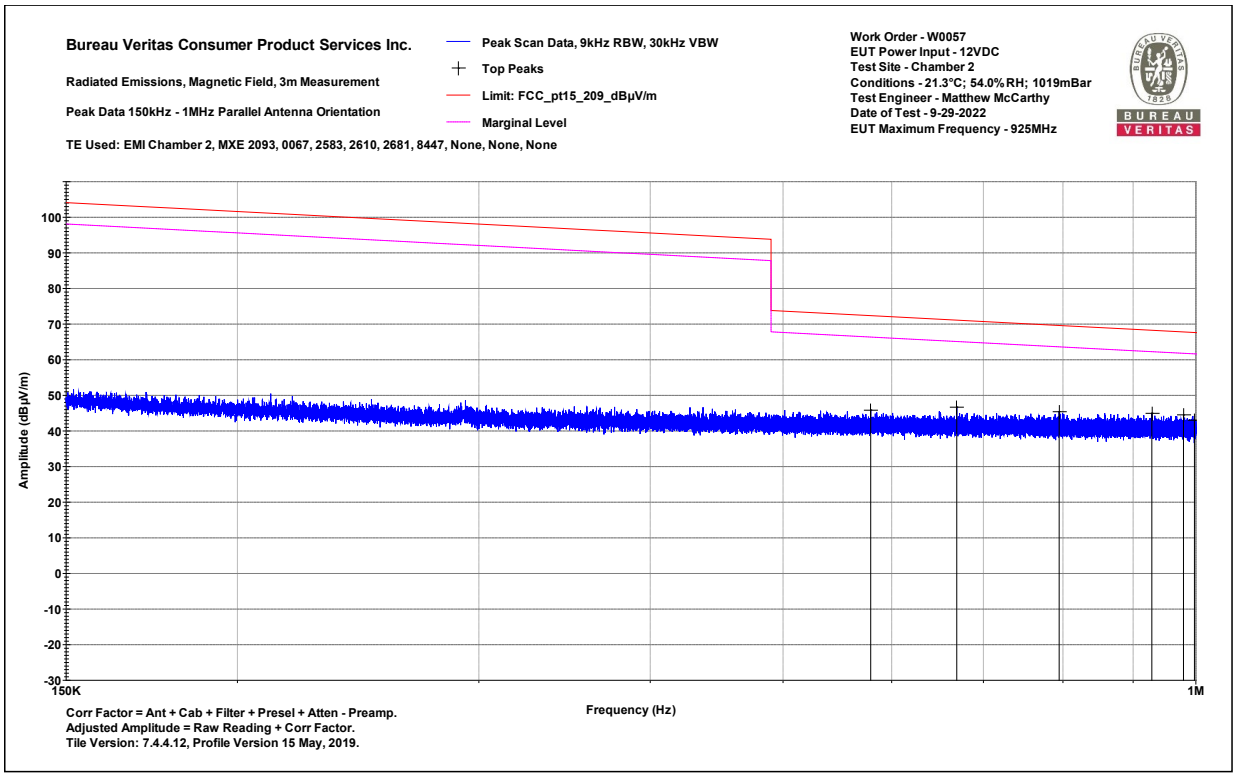
9-150kHz Parallel to Ground Graph

Bureau Veritas Consumer Product Services Inc.
Radiated Emissions Magnetic Field 3m Distance
Top Peaks Parallel 150-1000kHz
Notes:

Work Order - W0057
EUT Power Input - 12VDC
Test Site - Chamber 2
Conditions - 21.3°C; 54.0%RH; 1019mBar
Test Engineer - Matthew McCarthy
Date of Test - 9-29-2022

Frequency (MHz)	Raw Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Lim: FCC_pt15_209_dBµV/m (dBµV/m)	Peak Margin (dB)	Peak Test Results (Pass/Fail)	Worst Margin (dB)	EUT Azimuth (degrees)
0.579	27	18.9	45.9	72.4	-26.5	PASS		195
0.669	27.8	18.9	46.7	71.1	-24.4	PASS		150
0.795	26.5	18.9	45.4	69.6	-24.2	PASS		285
0.929	26	18.9	45	68.3	-23.3	PASS	-23.3	0
0.979	25.5	18.9	44.5	67.8	-23.3	PASS		300
0.998	24.1	18.9	43	67.6	-24.7	PASS		75

150-1000kHz Parallel to EUT Data Table



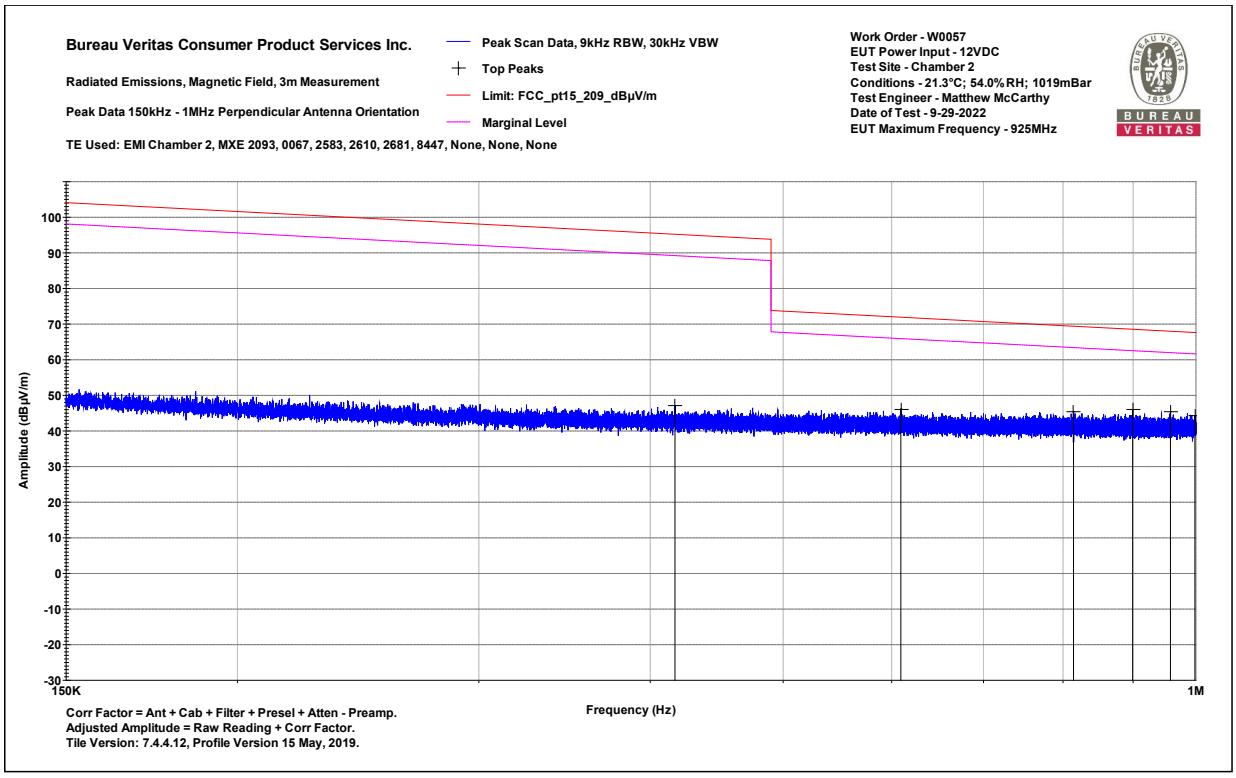
150-1000kHz Parallel to EUT Graph

Bureau Veritas Consumer Product Services Inc.
Radiated Emissions Magnetic Field 3m Distance
Top Peaks Perpendicular 150-1000kHz
Notes:

Work Order - W0057
EUT Power Input - 12VDC
Test Site - Chamber 2
Conditions - 21.3°C; 54.0%RH; 1019mBar
Test Engineer - Matthew McCarthy
Date of Test - 9-29-2022

Frequency (MHz)	Raw Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Lim: FCC_pt15_209_dBµV/m (dBµV/m)	Peak Margin (dB)	Peak Test Results (Pass/Fail)	Worst Margin (dB)	EUT Azimuth (degrees)
0.417	28.2	18.9	47.1	95.2	-48.1	PASS		300
0.609	27.3	18.9	46.1	71.9	-25.8	PASS		225
0.814	26.5	18.9	45.4	69.4	-24	PASS		120
0.899	27.1	18.9	46	68.5	-22.5	PASS	-22.5	90
0.958	26.5	18.9	45.4	68	-22.6	PASS		240
0.998	25.3	18.9	44.2	67.6	-23.4	PASS		75

150-1000kHz Perpendicular to EUT Data Table



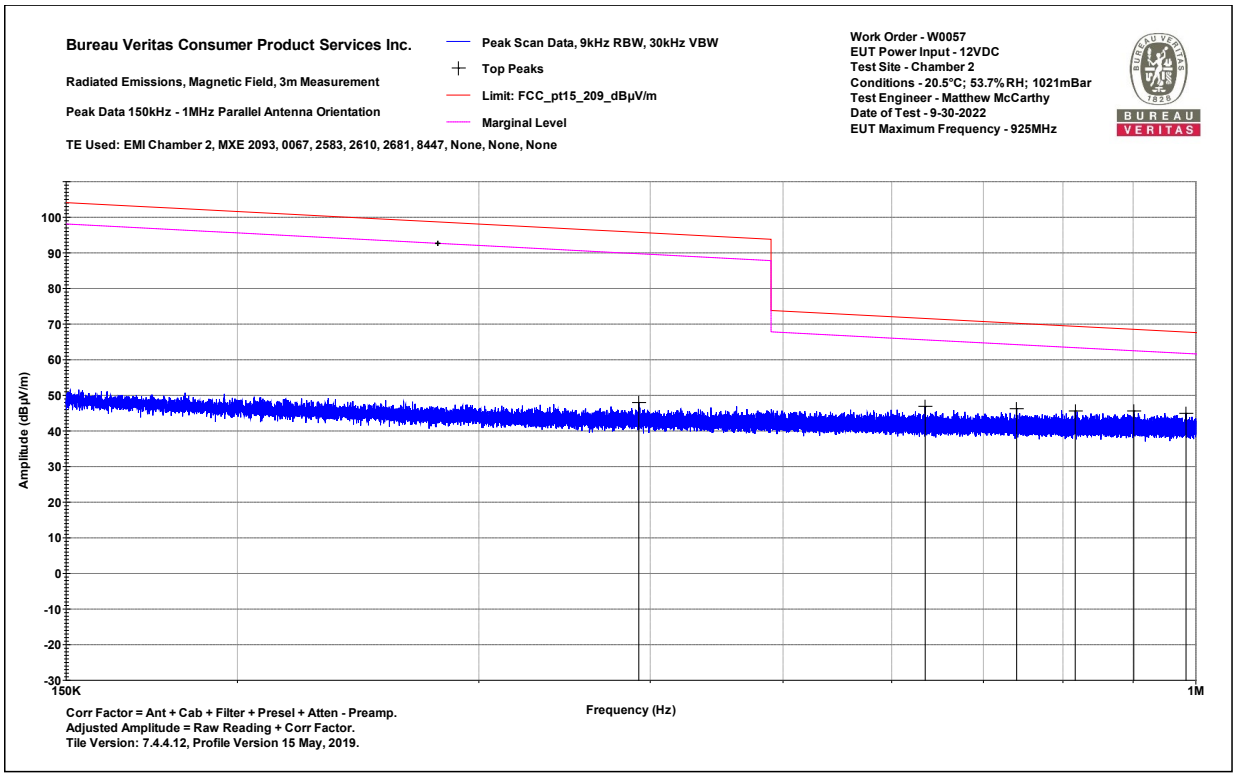
150-1000kHz Perpendicular to EUT Graph

Bureau Veritas Consumer Product Services Inc.
Radiated Emissions Magnetic Field 3m Distance
Top Peaks Parallel 150-1000kHz
Notes:

Work Order - W0057
EUT Power Input - 12VDC
Test Site - Chamber 2
Conditions - 20.5°C; 53.7%RH; 1021mBar
Test Engineer - Matthew McCarthy
Date of Test - 9-30-2022

Frequency (MHz)	Raw Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Lim: FCC_pt15_209_dBµV/m (dBµV/m)	Peak Margin (dB)	Peak Test Results (Pass/Fail)	Worst Margin (dB)	EUT Azimuth (degrees)
0.392	29.1	18.9	48	95.7	-47.8	PASS		225
0.635	28	18.8	46.8	71.6	-24.8	PASS		120
0.74	27.3	18.9	46.2	70.2	-24	PASS		180
0.817	26.7	18.9	45.6	69.4	-23.8	PASS		15
0.901	26.7	18.9	45.6	68.5	-22.9	PASS		345
0.984	26	18.9	44.9	67.8	-22.8	PASS	-22.8	75

150-1000kHz Parallel to Ground Data Table



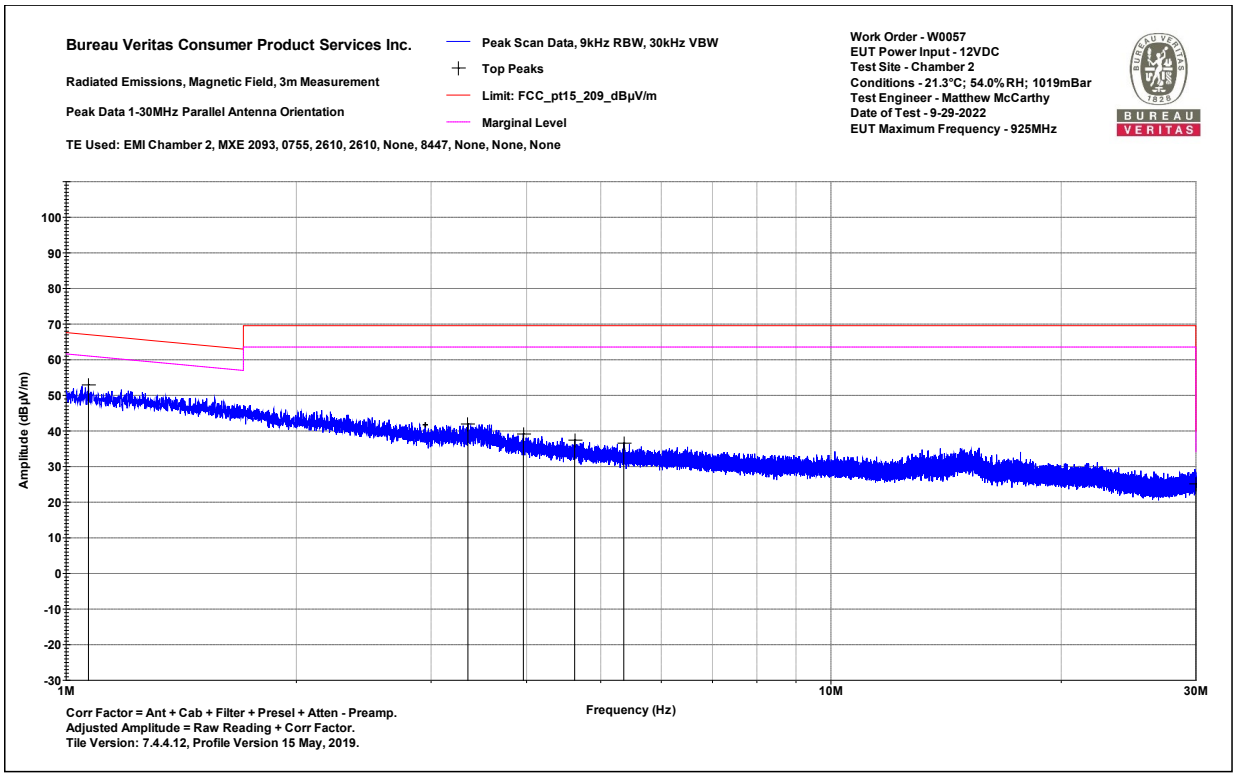
150-1000kHz Parallel to Ground Graph

Bureau Veritas Consumer Product Services Inc.
Radiated Emissions Magnetic Field 3m Distance
Top Peaks Parallel 1-30MHz
Notes:

Work Order - W0057
EUT Power Input - 12VDC
Test Site - Chamber 2
Conditions - 21.3°C; 54.0%RH; 1019mBar
Test Engineer - Matthew McCarthy
Date of Test - 9-29-2022

Frequency (MHz)	Raw Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Lim: FCC_pt15_209_dBµV/m (dBµV/m)	Peak Margin (dB)	Peak Test Results (Pass/Fail)	Worst Margin (dB)	EUT Azimuth (degrees)
1.07	25.7	27.3	53	67	-14.1	PASS	-14.1	105
3.353	23.9	17.9	41.9	69.5	-27.7	PASS		285
3.961	22.5	16.6	39.1	69.5	-30.5	PASS		90
4.623	21.9	15.4	37.3	69.5	-32.2	PASS		15
5.359	22.2	14.3	36.5	69.5	-33.1	PASS		150
30	16.5	8.6	25.1	40	-14.9	PASS		165

1-30MHz Parallel to EUT Data Table



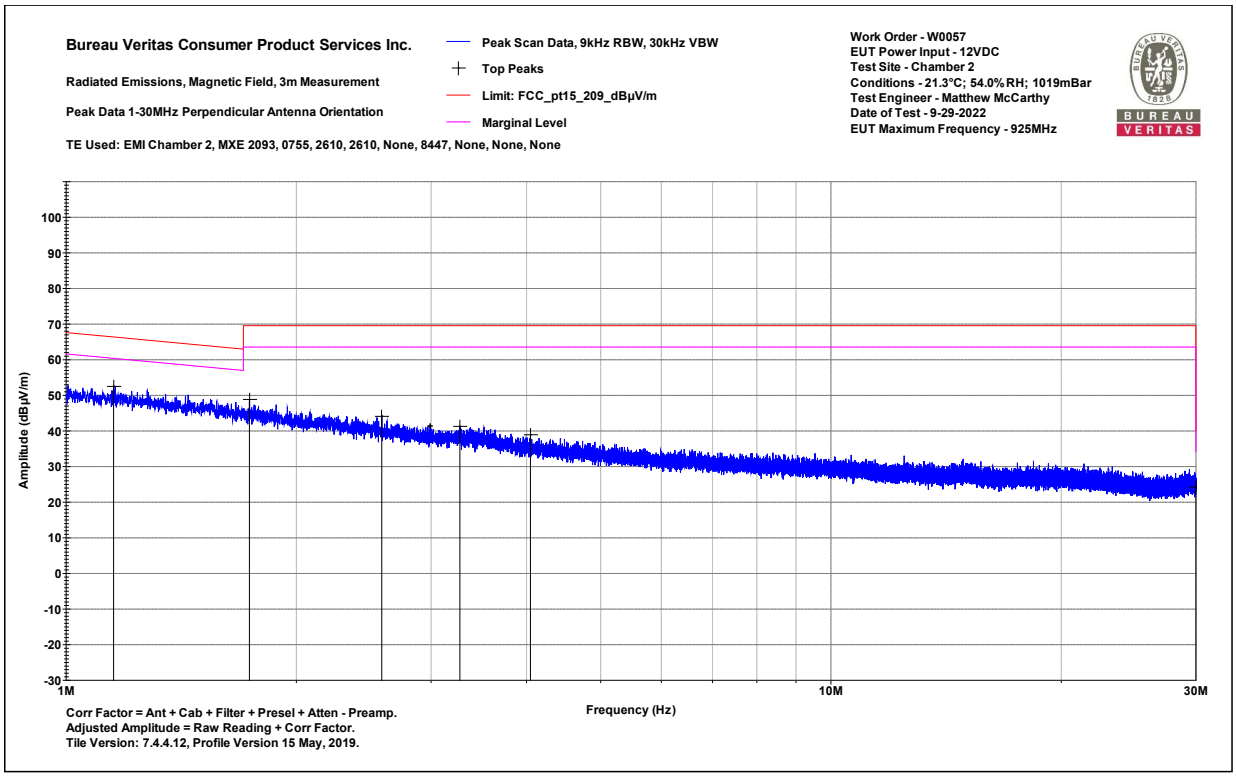
1-30MHz Parallel to EUT Graph

Bureau Veritas Consumer Product Services Inc.
Radiated Emissions Magnetic Field 3m Distance
Top Peaks Perpendicular 1-30MHz
Notes:

Work Order - W0057
EUT Power Input - 12VDC
Test Site - Chamber 2
Conditions - 21.3°C; 54.0%RH; 1019mBar
Test Engineer - Matthew McCarthy
Date of Test - 9-29-2022

Frequency (MHz)	Raw Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Lim: FCC_pt15_209_dBµV/m (dBµV/m)	Peak Margin (dB)	Peak Test Results (Pass/Fail)	Worst Margin (dB)	EUT Azimuth (degrees)
1.154	25.7	26.9	52.6	66.4	-13.8	PASS	-13.8	90
1.737	25.2	23.6	48.8	69.5	-20.7	PASS		345
2.586	24	20.2	44.2	69.5	-25.3	PASS		150
3.272	23	18.3	41.3	69.5	-28.2	PASS		330
4.046	22.4	16.6	38.9	69.5	-30.6	PASS		345
30	15.5	8.7	24.2	40	-15.8	PASS		105

1-30MHz Perpendicular to EUT Data Table



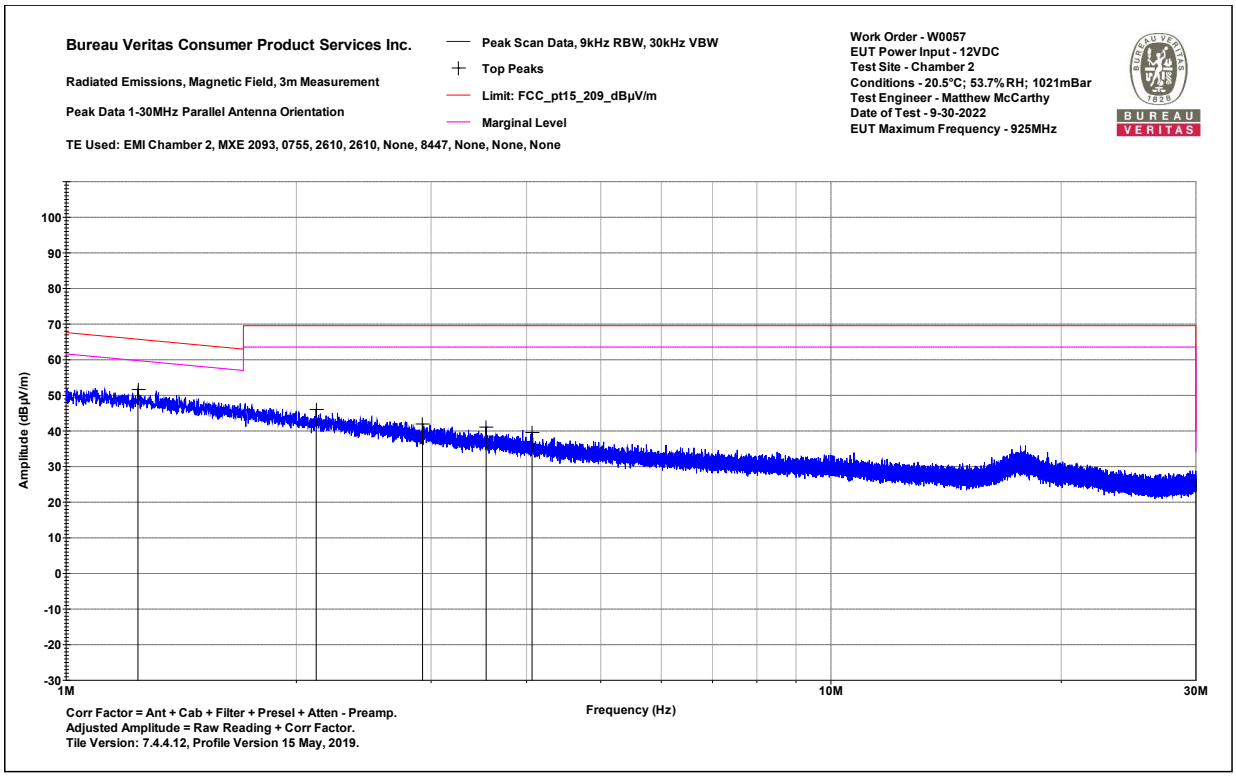
1-30MHz Perpendicular to EUT Graph

Bureau Veritas Consumer Product Services Inc.
Radiated Emissions Magnetic Field 3m Distance
Top Peaks Parallel 1-30MHz
Notes:

Work Order - W0057
EUT Power Input - 12VDC
Test Site - Chamber 2
Conditions - 20.5°C; 53.7%RH; 1021mBar
Test Engineer - Matthew McCarthy
Date of Test - 9-30-2022

Frequency (MHz)	Raw Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Lim: FCC_pt15_209_dBµV/m (dBµV/m)	Peak Margin (dB)	Peak Test Results (Pass/Fail)	Worst Margin (dB)	EUT Azimuth (degrees)
1.241	25.4	26.3	51.7	65.7	-14	PASS	-14	270
2.123	24.3	21.6	46	69.5	-23.6	PASS		180
2.924	23	18.9	41.8	69.5	-27.7	PASS		345
3.541	23.4	17.6	41	69.5	-28.6	PASS		210
4.067	23.1	16.5	39.6	69.5	-30	PASS		90
30	17.3	8.5	25.8	40	-14.2	PASS		0

1-30MHz Parallel to Ground Data Table

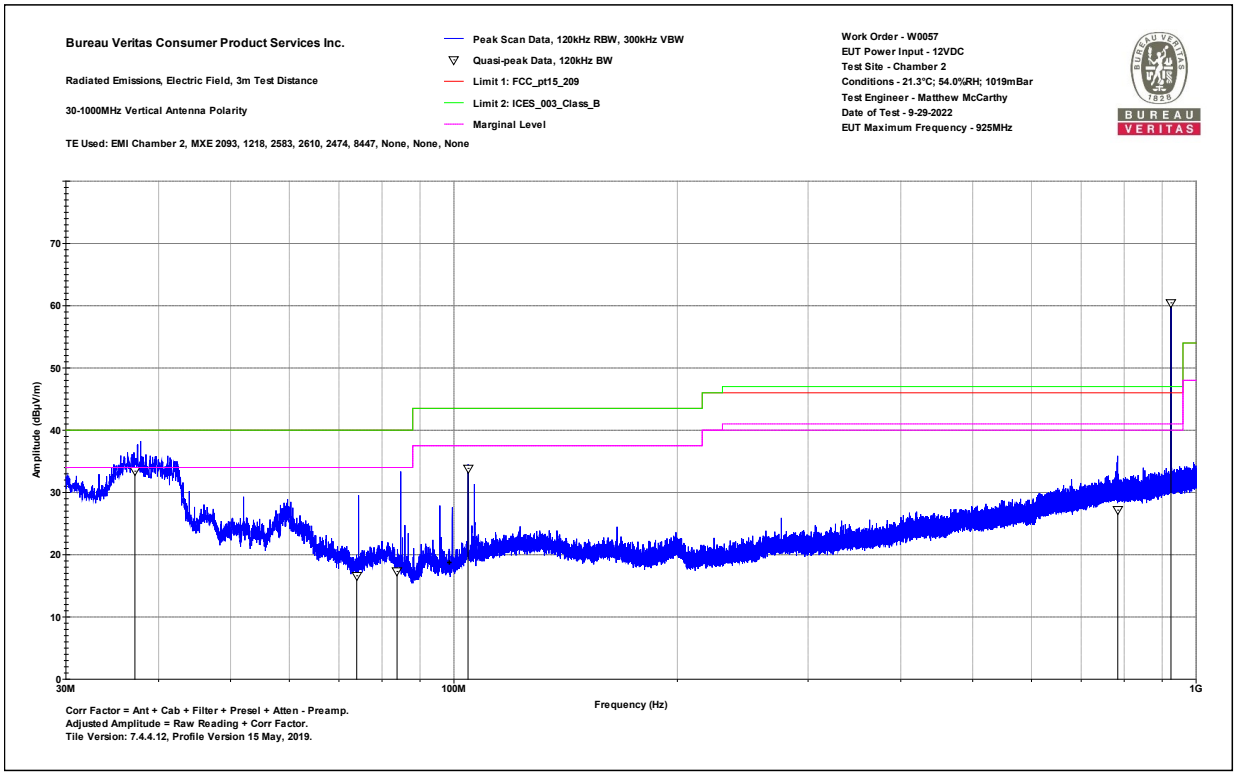


1-30MHz Parallel to Ground Graph

Bureau Veritas Consumer Product Services Inc.	Work Order - W0057
Radiated Emissions Electric Field 3m Distance	EUT Power Input - 12VDC
30-1000MHz Vertical Data	Test Site - Chamber 2
Notes:	Conditions - 21.3°C; 54.0%RH; 1019mBar
	Test Engineer - Matthew McCarthy
	Date of Test - 9-29-2022

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)	Lim2: ICES_003_Class_B (dBµV/m)	Margin to Lim2 (dB)	Test Results Lim2 (Pass/Fail)	Worst Margin Lim2 (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
37.162	37	-3.6	33.4	40	-6.6	PASS	-6.6	40	-6.6	PASS	-6.6	208	87
73.963	28.2	-11.6	16.6	40	-23.4	PASS		40	-23.4	PASS		232	150
83.828	29.4	-12.1	17.3	40	-22.7	PASS		40	-22.7	PASS		143	39
104.476	42	-8.2	33.9	43.5	-9.6	PASS		43.5	-9.6	PASS		175	20
784.187	23.8	3.3	27.2	46	-18.8	PASS		47	-19.8	PASS		247	6
924.926	Fundamental			46	Fundamental			47	Fundamental			197	310

30-1000MHz Vertical Table

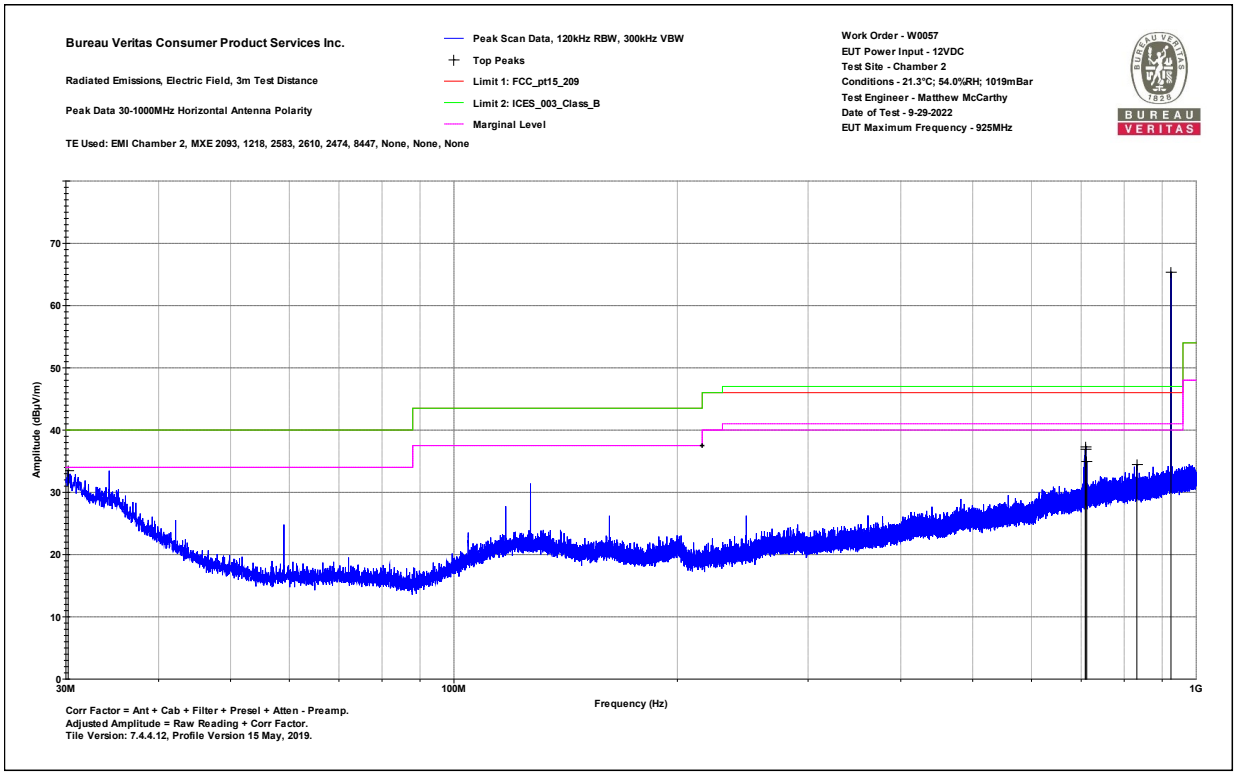


30-1000MHz Vertical Plot

Bureau Veritas Consumer Product Services Inc.	Work Order - W0057
Radiated Emissions Electric Field 3m Distance	EUT Power Input - 12VDC
Top Peaks Horizontal 30-1000MHz	Test Site - Chamber 2
Notes:	Conditions - 21.3°C; 54.0%RH; 1019mBar
	Test Engineer - Matthew McCarthy
	Date of Test - 9-29-2022

Frequency (MHz)	Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Lim1: FCC_pt15_209 (dBµV/m)	Lim1 Margin (dB)	Lim1 Test Results (Pass/Fail)	Worst Margin Lim1 (dB)	Lim2: ICES_003_Class_B (dBµV/m)	Lim2 Margin (dB)	Lim2 Test Results (Pass/Fail)	Worst Margin Lim2 (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
30.218	31.7	1.9	33.5	40	-6.5	PASS		40	-6.5	PASS		100	90
708.927	34.9	1.9	36.9	46	-9.1	PASS		47	-10.1	PASS		150	225
710.115	35.4	2	37.3	46	-8.7	PASS		47	-9.7	PASS		100	270
712.225	32.9	2	34.9	46	-11.1	PASS		47	-12.1	PASS		200	225
832.044	30.5	3.8	34.4	46	-11.6	PASS		47	-12.6	PASS		150	315
924.922	Fundamental			46	Fundamental			47	Fundamental			150	0

30-1000MHz Horizontal Table



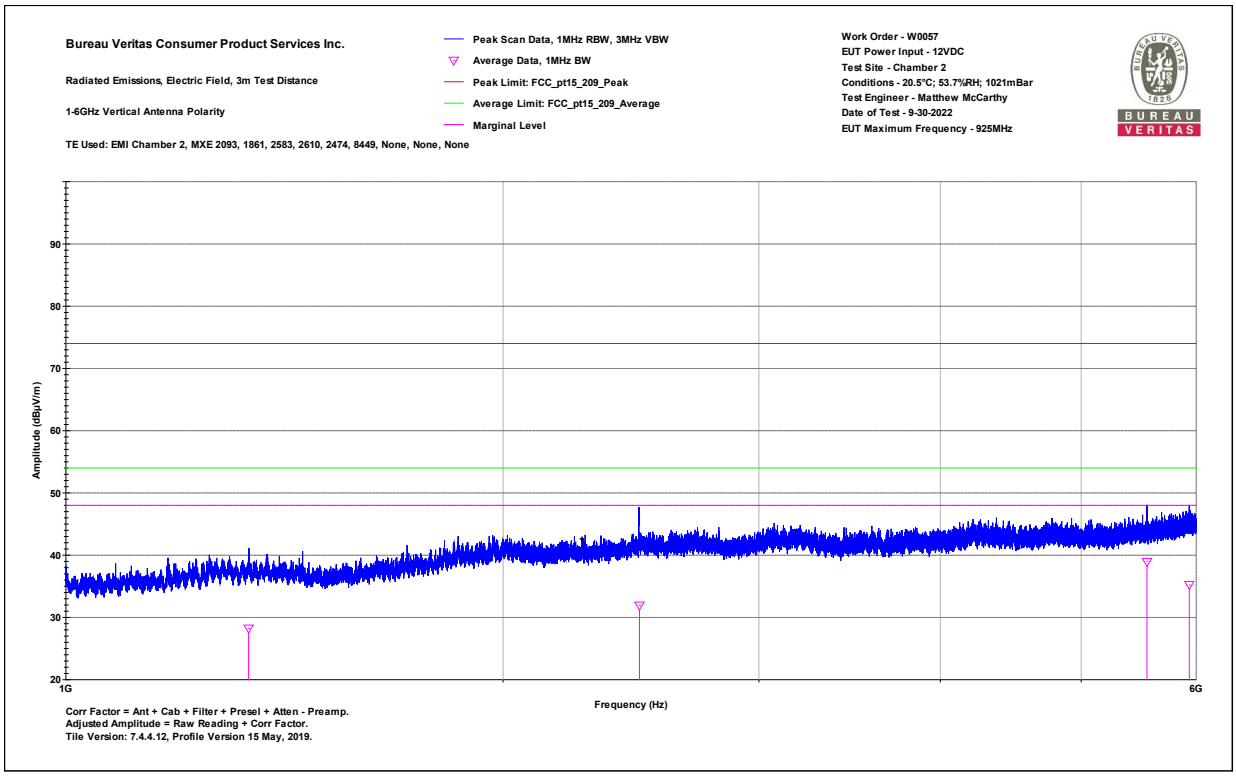
30-1000MHz Horizontal Plot

Bureau Veritas Consumer Product Services Inc.
Radiated Emissions Electric Field 3m Distance
1-6GHz Vertical Data
Notes:

Work Order - W0057
EUT Power Input - 12VDC
Test Site - Chamber 2
Conditions - 20.5°C; 53.7%RH; 1021mBar
Test Engineer - Matthew McCarthy
Date of Test - 9-30-2022

Frequency (MHz)	Raw Peak Reading (dBµV)	Raw Avg Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_209_Peak (dBµV/m)	Peak Margin (dB)	Peak Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBµV/m)	Av Lim: FCC_pt15_209_Average (dBµV/m)	Avg Margin (dB)	Avg Results (Pass/Fail)	Worst Avg Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
1335.9	45.9	36.3	-8.1	37.8	74	-36.2	PASS		28.2	54	-25.8	PASS		275	133
2482.6	42.8	34.6	-2.7	40	74	-34	PASS		31.9	54	-22.1	PASS		109	157
5549.8	46.1	38.1	0.9	47	74	-27	PASS	-27	39	54	-15	PASS	-15	114	7
5935.1	44	33.2	2	46	74	-28	PASS		35.2	54	-18.8	PASS		175	25

1-6GHz Vertical Table

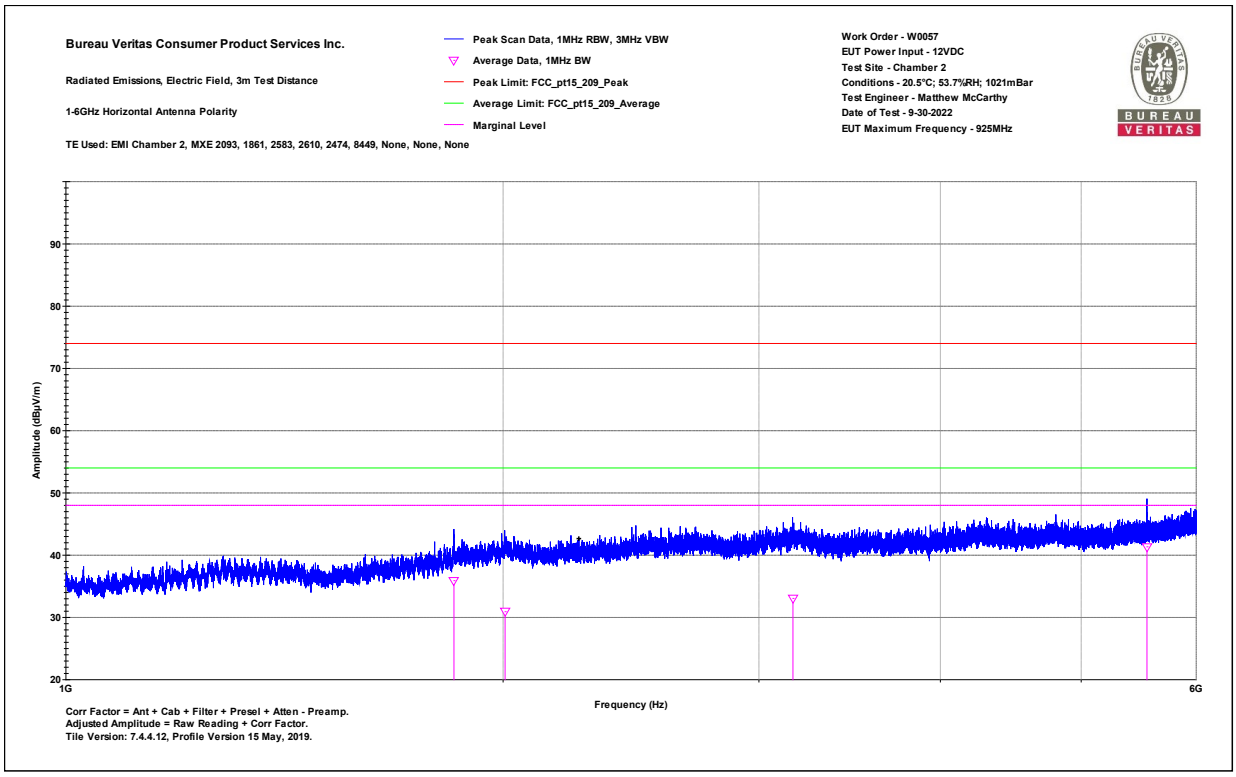


1-6GHz Vertical Plot

Bureau Veritas Consumer Product Services Inc.	Work Order - W0057
Radiated Emissions Electric Field 3m Distance	EUT Power Input - 12VDC
1-6GHz Horizontal Data	Test Site - Chamber 2
Notes:	Conditions - 20.5°C; 53.7%RH; 1021mBar
	Test Engineer - Matthew McCarthy
	Date of Test - 9-30-2022

Frequency (MHz)	Raw Peak Reading (dBµV)	Raw Avg Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_209_Peak (dBµV/m)	Peak Margin (dB)	Peak Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBµV/m)	Av Lim: FCC_pt15_209_Average (dBµV/m)	Avg Margin (dB)	Avg Results (Pass/Fail)	Worst Average Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
1850.1	46.9	40.8	-5	42	74	-32	PASS		35.9	54	-18.1	PASS		113	143
2006.1	43.9	34.4	-3.5	40.3	74	-33.7	PASS		30.9	54	-23.1	PASS		125	25
3166.3	44.6	34.5	-1.5	43.1	74	-30.9	PASS		33	54	-21	PASS		281	138
5550.1	45.4	40.4	0.9	46.3	74	-27.7	PASS	-27.7	41.3	54	-12.7	PASS	-12.7	188	121

1-6GHz Horizontal Table

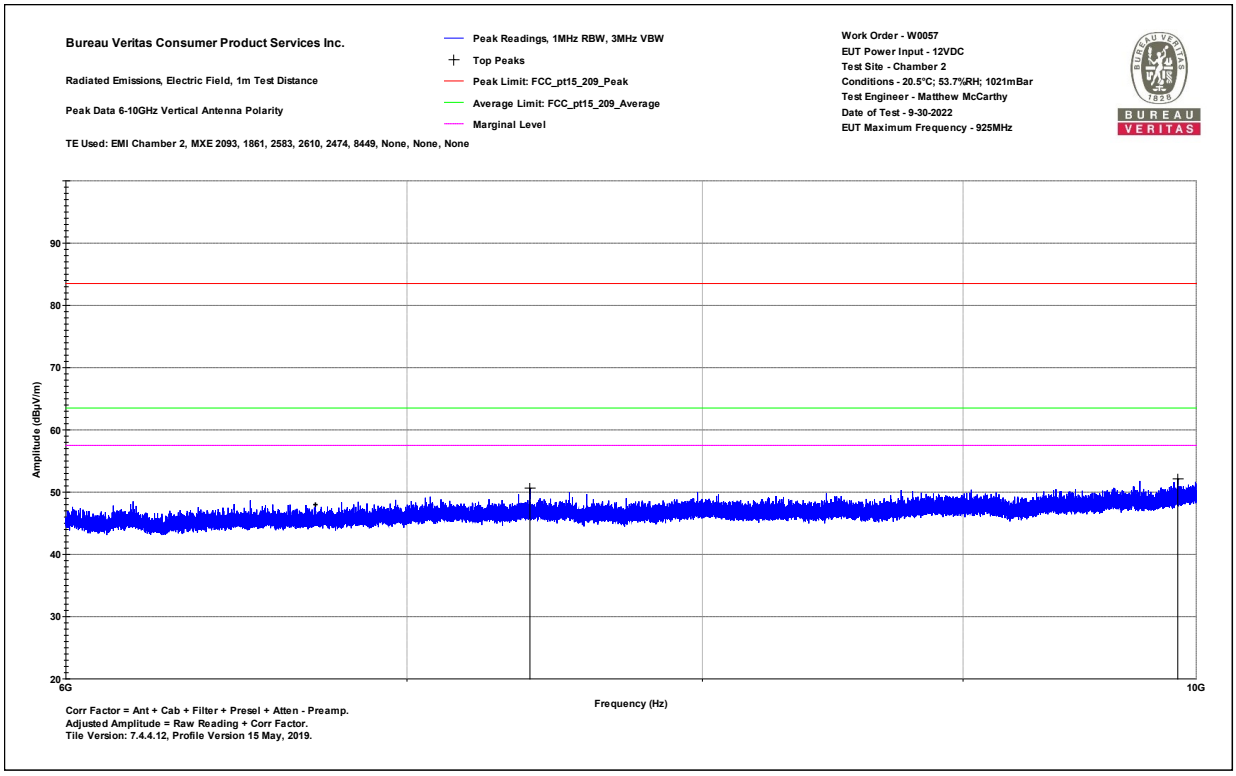


1-6GHz Horizontal Plot

Bureau Veritas Consumer Product Services Inc.	Work Order - W0057
Radiated Emissions Electric Field 1m Distance	EUT Power Input - 12VDC
Top Peaks Vertical 6-10GHz	Test Site - Chamber 2
Notes:	Conditions - 20.5°C; 53.7%RH; 1021mBar
	Test Engineer - Matthew McCarthy
	Date of Test - 9-30-2022

Frequency (MHz)	Raw Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_209_Peak (dBµV/m)	Margin to Peak Limit (dB)	Peak Limit Test Results (Pass/Fail)	Peak Limit Worst Margin (dB)	Av Lim: FCC_pt15_209_Average (dBµV/m)	Margin to Avg Limit (dB)	Avg Limit Test Results (Pass/Fail)	Avg Limit Worst Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
7400	47.4	3.2	50.6	83.5	-32.9	PASS		63.5	-12.9	PASS		125	221
9917.2	47.2	4.8	52.1	83.5	-31.4	PASS	-31.4	63.5	-11.4	PASS	-11.4	200	27

6-10GHz Vertical Table

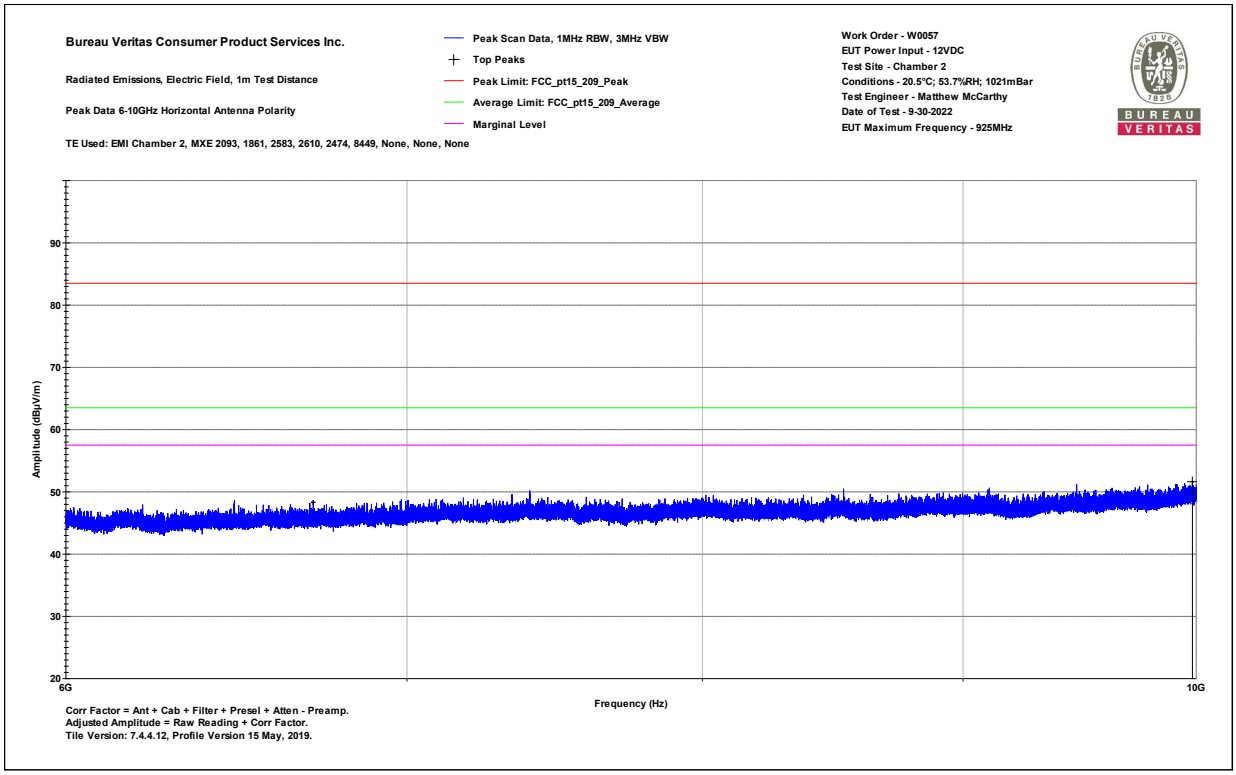


6-10GHz Vertical Plot

Bureau Veritas Consumer Product Services Inc.	Work Order - W0057
Radiated Emissions Electric Field 1m Distance	EUT Power Input - 12VDC
Top Peaks Horizontal 6-10GHz	Test Site - Chamber 2
Notes:	Conditions - 20.5°C; 53.7%RH; 1021mBar
	Test Engineer - Matthew McCarthy
	Date of Test - 9-30-2022

Frequency (MHz)	Raw Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_209_Peak (dBµV/m)	Margin to Peak Limit (dB)	Peak Limit Test Results (Pass/Fail)	Peak Limit Worst Margin (dB)	Av Lim: FCC_pt15_209_Average (dBµV/m)	Margin to Avg Limit (dB)	Avg Limit Test Results (Pass/Fail)	Avg Limit Worst Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
9983.3	46.5	5.1	51.6	83.5	-31.9	PASS	-31.9	63.5	-11.9	PASS	-11.9	200	126

6-10GHz Horizontal Table



6-10GHz Horizontal Plot

Rev. 9/19/2022

Spectrum Analyzers / Receivers /Preselectors	Range	MN	Mfr	SN	Asset	Cat	Calibration Due	Calibrated on
2093 MXE EMI Receiver	20Hz-26.5GHz	N9038A	Agilent	MY51210181	2093	I	3/7/2023	3/7/2022
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	12/6/2022	12/6/2020
Preamps /Couplers Attenuators / Filters	**Range**	**MN**	**Mfr**	**SN**	**Asset**	**Cat**	**Calibration Due**	**Calibrated on**
8449B HF Preamp	1-18GHz	8449B	Agilent	1149055		II	11/10/2022	11/10/2021
8447F Rental PA	9KHz-1.3GHz	84477F	HP	3113A05395		II	10/18/2022	10/18/2021
Antennas	**Range**	**MN**	**Mfr**	**SN**	**Asset**	**Cat**	**Calibration Due**	**Calibrated on**
Red-Brown Bilog	30-2000MHz	JB1	Sunol	A0032406	1218	I	4/28/2023	4/28/2021
Blue Horn	1-18Ghz	3117	ETS	157647	1861	I	4/26/2023	4/26/2021
Small Loop	10kHz-30MHz	PLA-130/A	ARA	1024	755	I	9/12/2024	9/12/2022
Large Loop	20Hz-5MHz	6511	EMCO	9704-1154	67	I	8/22/2024	8/22/2022
Meteorological Meters/Chambers		**MN**	**Mfr**	**SN**	**Asset**	**Cat**	**Calibration Due**	**Calibrated on**
Weather Clock (Pressure Only)		BA928	egon Scienti	C3166-1	831	I	11/23/2022	11/23/2020
Asset #2654		1235C97	ontrol Compa	200477432	2654	I	8/18/2025	8/18/2022
Cables	**Range**		**Mfr**			**Cat**	**Calibration Due**	**Calibrated on**
Asset #2474	9KHz-18GHz		MegaPhase			II	11/9/2022	11/9/2021
Asset #2610	9KHz-18GHz		Pasternack			II	3/16/2023	3/16/2022
Asset #2583	9KHz-18GHz		Pasternack			II	2/17/2023	2/17/2022

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

Test Equipment Used

Band Edge

Radiated Emissions Table

Date: 29-Sep-22 **Company:** Amazon.com Services LLC **Work Order:** W0057
Engineer: Matthew McCarthy **EUT Desc:** Assembly, User Interface UI, T-DU, NA **EUT Operating Voltage/Frequency:** 12VDC
Temp: 21.3°C **Humidity:** 54% **Pressure:** 1019mBar
Frequency Range: 925 Fundamental **Measurement Distance:** 3 m
Notes: Tested Peak Readings Power Setting 3 **EUT Max Freq:** 925MHz

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 Class B Limit (dBµV/m)	FCC Class B Margin (dB)	FCC Class B Result (Pass/Fail)
V	902.0	27.1	25.5	28.6	1.8	32.0	---	---	---	46.0	-14.0	---
H	902.0	27.7	25.5	28.6	1.8	32.6	---	---	---	46.0	-13.4	---
				---			---	---	---	---		---
V	928.0	26.6	25.5	28.6	1.8	31.5	---	---	---	46.0	-14.5	---
H	928.0	26.9	25.5	28.6	1.8	31.8	---	---	---	46.0	-14.2	---

Table Result: Pass by -13.4 dB ***Worst Freq:*** 902.0 MHz

Test Site: EMI Chamber 2 **Cable 1:** Asset #2583 **Cable 2:** Asset #2610 **Cable 3:** Asset #2474
Analyzer: Asset #2093 **Preamp:** Asset #8447F **Antenna:** Red-Brown **Preselector:** ---
CSsoft Radiated Emissions Calculator v 1.017.222

Adjusted Reading = Reading - Preamp Factor + Antenna Factor + Cable Factor

Band Edge of 925MHz Fundamental

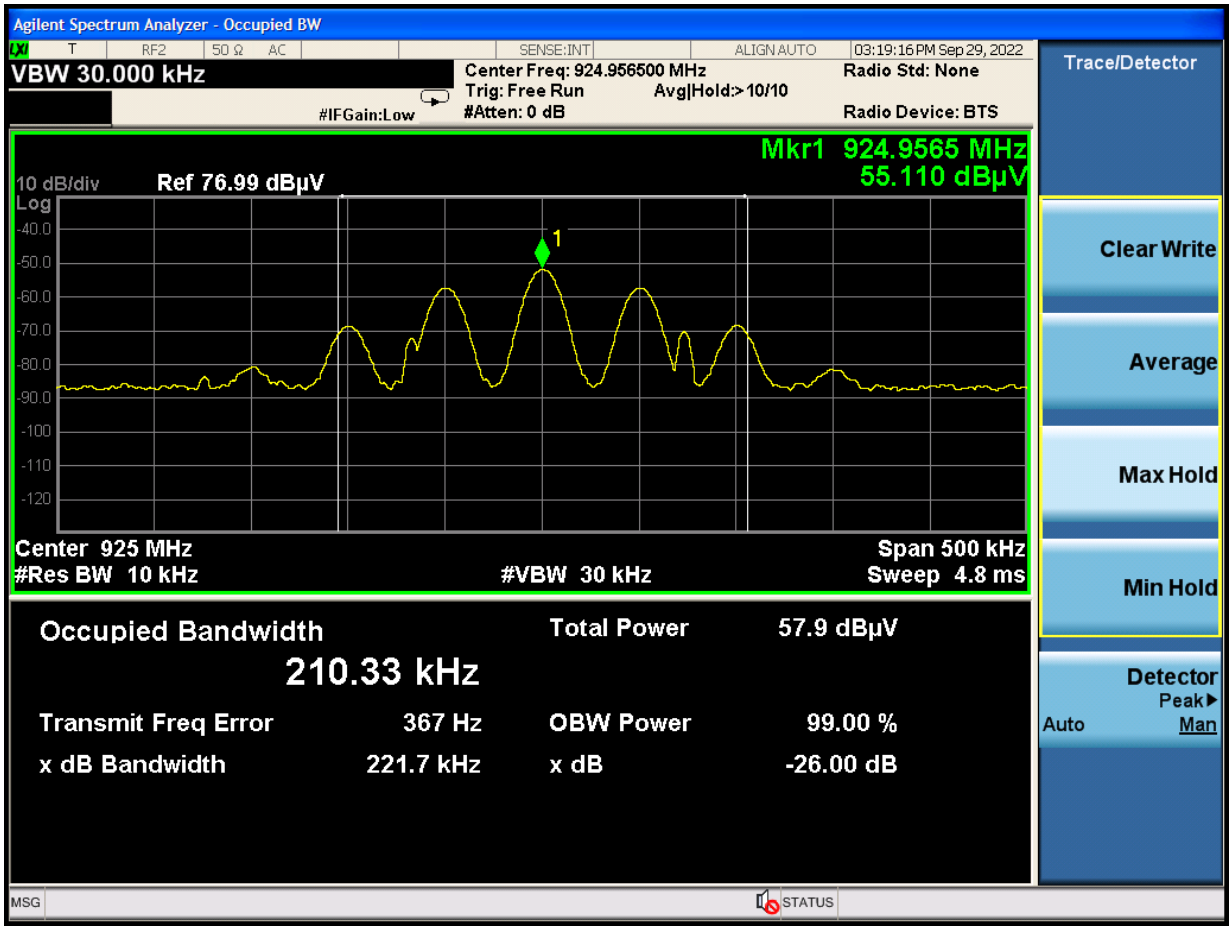
Rev. 9/19/2022

Spectrum Analyzers / Receivers /Preselectors	Range	MN	Mfr	SN	Asset	Cat	Calibration Due	Calibrated on
2093 MXE EMI Receiver	20Hz-26.5GHz	N9038A	Agilent	MY51210181	2093	I	3/7/2023	3/7/2022
Radiated Emissions Sites	**FCC Code**	**IC Code**	**VCCI Code**	**Range**	**Asset**	**Cat**	**Calibration Due**	**Calibrated on**
EMI Chamber 2	719150	2762A-7	A-0015	30-1000MHz	1686	I	12/5/2022	12/5/2020
Preamps /Couplers Attenuators / Filters	**Range**	**MN**	**Mfr**	**SN**	**Asset**	**Cat**	**Calibration Due**	**Calibrated on**
8447F Rental PA	9KHz-1.3GHz	84477F	HP	3113A05395		II	10/18/2022	10/18/2021
Antennas	**Range**	**MN**	**Mfr**	**SN**	**Asset**	**Cat**	**Calibration Due**	**Calibrated on**
Red-Brown Bilog	30-2000MHz	JB1	Sunol	A0032406	1218	I	4/28/2023	4/28/2021
Meteorological Meters/Chambers		**MN**	**Mfr**	**SN**	**Asset**	**Cat**	**Calibration Due**	**Calibrated on**
Weather Clock (Pressure Only)		BA928	Oregon Scientific	C3166-1	831	I	11/23/2022	11/23/2020
Asset #2654		1235C97	Control Company	200477432	2654	I	8/18/2025	8/18/2022
Cables	**Range**		**Mfr**			**Cat**	**Calibration Due**	**Calibrated on**
Asset #2474	9KHz-18GHz		MegaPhase			II	11/9/2022	11/9/2021
Asset #2610	9KHz-18GHz		Pasternack			II	3/16/2023	3/16/2022
Asset #2583	9KHz-18GHz		Pasternack			II	2/17/2023	2/17/2022

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

Test Equipment Used

Occupied Bandwidth (99%)



Occupied Bandwidth Power Setting 3

Rev. 9/19/2022

Spectrum Analyzers / Receivers /Preselectors	Range	MN	Mfr	SN	Asset	Cat	Calibration Due	Calibrated on
2093 MXE EMI Receiver	20Hz-26.5GHz	N9038A	Agilent	MY51210181	2093	I	3/7/2023	3/7/2022
Radiated Emissions Sites	**FCC Code**	**IC Code**	**VCCI Code**	**Range**	**Asset**	**Cat**	**Calibration Due**	**Calibrated on**
EMI Chamber 2	719150	2762A-7	A-0015	30-1000MHz	1686	I	12/5/2022	12/5/2020
Preamps /Couplers Attenuators / Filters	**Range**	**MN**	**Mfr**	**SN**	**Asset**	**Cat**	**Calibration Due**	**Calibrated on**
8447F Rental PA	9KHz-1.3GHz	84477F	HP	3113A05395		II	10/18/2022	10/18/2021
Antennas	**Range**	**MN**	**Mfr**	**SN**	**Asset**	**Cat**	**Calibration Due**	**Calibrated on**
Red-Brown Bilog	30-2000MHz	JB1	Sunol	A0032406	1218	I	4/28/2023	4/28/2021
Meteorological Meters/Chambers		**MN**	**Mfr**	**SN**	**Asset**	**Cat**	**Calibration Due**	**Calibrated on**
Weather Clock (Pressure Only)		BA928	Oregon Scientific	C3166-1	831	I	11/23/2022	11/23/2020
Asset #2654		1235C97	Control Company	200477432	2654	I	8/18/2025	8/18/2022
Cables	**Range**		**Mfr**			**Cat**	**Calibration Due**	**Calibrated on**
Asset #2474	9KHz-18GHz		MegaPhase			II	11/9/2022	11/9/2021
Asset #2610	9KHz-18GHz		Pasternack			II	3/16/2023	3/16/2022
Asset #2583	9KHz-18GHz		Pasternack			II	2/17/2023	2/17/2022

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

Test Equipment Used

Conducted Emissions

N/A. EUT powered by battery.

Measurement Uncertainty

The listed uncertainties are the worst case uncertainty for the entire range of measurement. Please note that the uncertainty values are provided for informational purposes only and are not used in determining the PASS/FAIL results. Values for measurement uncertainty are calculated per ETSI TR 100 028 (2001). This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Measurement	Expanded Uncertainty k=2	Maximum allowable uncertainty
Radiated Emissions (30-1000MHz) NIST CISPR [no table (i.e. floor standing)] CISPR[table present]	 5.6dB 4.6dB 6.0dB	 N/A 5.2dB (Ucispr)
Radiated Emissions (1-26.5GHz) [no table (i.e. floor standing)] Radiated Emissions (1-26.5GHz) [table present]	4.6dB 6.3dB	N/A N/A
Radiated Emissions (above 26.5GHz)	4.9dB	N/A
Magnetic Radiated Emissions	5.6dB	N/A
Conducted Emissions NIST CISPR	 3.9dB 3.6dB	 N/A 3.6dB (Ucispr)
Telco Conducted Emissions (Current)	2.9dB	N/A
Telco Conducted Emissions (Voltage)	4.4dB	N/A
Electrostatic Discharge	11.5%	N/A
Radiated RF Immunity (Uniform Field)	1.6dB	N/A
Electrical Fast Transients	23.1%	N/A
Surge	23.1%	N/A
Conducted RF Immunity	3dB	N/A
Magnetic Immunity	12.8%	N/A
Dips and Interrupts	2.3V	N/A
Harmonics	3.5%	N/A
Flicker	3.5%	N/A
Radio frequency (@ 2.4GHz)	3.23×10^{-8}	1×10^{-7}
RF power, conducted	0.40dB	0.75dB
Maximum frequency deviation: • Within 300Hz and 6kHz of audio frequency / Within 6kHz and 25kHz of audio frequency	 3.4% 0.3dB	 5% 3dB
Adjacent channel power	1.9dB	3dB
Conducted spurious emission of transmitter, valid up to 12.75GHz	2.39dB	3dB
Conducted emission of receivers	1.3dB	3dB
Radiated emission of transmitter, valid up to 26.5GHz	3.9dB	6dB
Radiated emission of transmitter, valid up to 80GHz	3.3dB	6dB
Radiated emission of receiver, valid up to 26.5GHz	3.9dB	6dB
Radiated emission of receiver, valid up to 80GHz	3.3dB	6dB
Humidity	2.37%	5%
Temperature	0.7°C	1.0°C
Time	4.1%	10%
RF Power Density, Conducted	0.4dB	3dB
DC and low frequency voltages	1.3%	3%
Voltage (AC, <10kHz)	1.3%	2%
Voltage (DC)	0.62%	1%
The above reflects a 95% confidence level		

Conditions of Testing

[Bureau Veritas Consumer Products Services, Inc., a Massachusetts corporation], and/or its affiliates (collectively, the "Company") will conduct, at the request of the Submitter ("**Client**"), the tests specified on the submitted Test Request Form or equivalent in accordance with, and subject to, the following terms and conditions (collectively, "**Conditions**"):

1. All orders for tests are subject to acceptance by the Company, and no order will constitute a binding commitment of the Company unless and until such order is accepted by it, as evidenced by the issuance of a written report ("**Test Report**") by the Company. The Test Report is issued solely by the Company, is intended for the exclusive use of Client and shall not be published, used for advertising purposes, copied or replicated for distribution to any other person or entity or otherwise publicly disclosed without the prior written consent of the Company. By submitting a request for services to the Company, Client consents to the disclosure to accreditation bodies of those records of Client relevant to the accreditation body's assessment of the Company's competence and compliance with relevant accreditation criteria. The Company shall not be liable for any loss or damage whatsoever resulting from the failure of the Company to provide its services within any time period for completion estimated by the Company. If Client anticipates using the Test Report in any legal proceeding, arbitration, dispute resolution forum or other proceeding, it shall so notify the Company prior to submitting the Test Report in such proceeding. The Company has no obligation to provide a fact or expert witness at such proceeding unless the Company agrees in advance to do so for a separate and additional fee.
2. The Test Report will set forth the findings of the Company solely with respect to the test samples identified therein. Unless specifically and expressly indicated in the Test Report, the results set forth in such Test Report are not intended to be indicative or representative of the quality or characteristics of the lot from which a test sample is taken, and Client shall not rely upon the Test Report as being so indicative or representative of the lot or of the tested product in general. The Test Report will reflect the findings of the Company at the time of testing only, and the Company shall have no obligation to update the Test Report after its issuance. The Test Report will set forth the results of the tests performed by the Company based upon the written information provided to the Company. The Test Report will be based solely on the samples and written information submitted to the Company by Client, and the Company shall not be obligated to conduct any independent investigation or inquiry with respect thereto.
3. The Company may, in its sole discretion, destroy samples which have been furnished to the Company for testing and which have not been destroyed in the course of testing. The Company may delegate the performance of all or a portion of the services contemplated hereunder to an affiliate, agent or subcontractor of the Company, and Client consents to such delegation.
4. These Conditions and the Test Report represent the entire understanding of the parties hereto with respect to the subject matter hereof and of the Test Report, and no modification, variance or extrapolation with respect thereto shall be permitted without the prior written consent of the Company.
5. The names, service marks, trademarks and copyrights of the Company and its affiliates, including the names "**BUREAU VERITAS**," "**BUREAU VERITAS CONSUMER PRODUCTS SERVICES**," "**BVCPS**", "**MTL**", "**ACTS**", "**MTL-ACTS**" and **CURTIS-STRAUS** (collectively, the "**Marks**") are and shall remain the sole property of the Company or its affiliates and shall not be used by Client except solely to the extent that Client obtains the prior written approval of the Company and then only in the manner prescribed by the Company. Client shall not contest the validity of the Marks or take any action that might impair the value or goodwill associated with the Marks or the image or reputation of the Company or its affiliates.
6. Payment in full shall be due 30 days after the date of invoice. Interest shall be due on overdue amounts from the due date until paid at an interest rate of 1.5% per month or, if less, the maximum rate permitted by law. The Company reserves the right, at any time and from time to time, to revoke any credit extended to Client. Client shall reimburse the Company for any costs it incurs in collecting past due amounts, including court costs and fees and expenses of attorneys and collection agencies. The Test Report may not be used or relied upon by Client if and for so long as Client fails to pay when due any invoice issued by the Company or any affiliate of it to Client or any affiliate or subsidiary of Client together with interest and penalties, if any, accrued thereon.
7. The Company disclaims any and all responsibility or liability arising out of or in connection with e-mail transmissions of such information.
8. Client understands and agrees that the Company is neither an insurer nor a guarantor, that the Company does not take the place of Client or any designer, manufacturer, agent, buyer, distributor or transportation or shipping company, and that the Company disclaims all liability in such capacities. Client further understands that if it seeks assurance against loss or damage, it should obtain appropriate insurance.
9. Client agrees that the Company, by providing the services, does not take the place of Client nor any third party, nor does the Company release them from any of their obligations, nor does the Company otherwise assume, abridge, abrogate or undertake to discharge any duty of any third party to Client or any duty of Client or any third party to any other third party, and Client will not release any third party from its obligations and duties with respect to the tested goods.
10. Client shall, on a timely basis, (a) provide adequate instructions to the Company in order to enable the Company to perform properly its services, (b) provide, or cause Client's suppliers and contractors to provide, the Company with all documents necessary to enable the Company to perform its services, (c) furnish the Company with all relevant information regarding Client's intended use and purposes of the tested goods, (d) advise the Company of essential dates and deadlines relevant to the tested goods and (e) fully exercise all rights and remedies available to Client against third parties in respect of the tested goods.
11. The Company shall undertake due care and ordinary skill in the performance of its services to Client, and the Company shall accept responsibility only were such skill has not been exercised and, even in such event, only to the extent of the limitation of liability set forth herein.
12. If Client desires to assert a claim arising from or relating to (i) the performance, purported performance or non-performance of any services by the Company or (ii) the sale, resale, manufacture, distribution or use of any tested goods, it must submit that claim to the Company in a writing that sets forth with particularity the basis for such claim within 60 days from discovery of the potential claim and not more than six months after the date of issuance of the Test Report to Client. Client waives any and all such claims including, without limitation, claims that the Test Report is inaccurate, incomplete or misleading or that additional or different testing is required, unless and then only to the extent that Client submits a written claim to the Company within both such time periods.
13. CLIENT SHALL, EXCEPT TO THE EXTENT OF COMPANY'S LIABILITY TO CLIENT HEREUNDER (WHICH IN NO EVENT SHALL EXCEED THE LIMITATION OF LIABILITY HEREIN), HOLD HARMLESS AND INDEMNIFY THE COMPANY, ITS AFFILIATES AND THEIR RESPECTIVE DIRECTORS, OFFICERS, EMPLOYEES, AGENTS AND SUBCONTRACTORS AGAINST

ALL ACTUAL OR ALLEGED THIRD PARTY CLAIMS FOR LOSS, DAMAGE OR EXPENSE OF WHATSOEVER NATURE AND HOWSOEVER ARISING FROM OR RELATING TO (i) THE PERFORMANCE, PURPORTED PERFORMANCE OR NON-PERFORMANCE OF ANY SERVICES BY THE COMPANY OR (ii) THE SALE, RESALE, MANUFACTURE, DISTRIBUTION OR USE OF ANY TESTED GOODS.

14. EXCEPT AS MAY OTHERWISE BE EXPRESSLY AGREED TO IN WRITING BY THE COMPANY AND NOTWITHSTANDING ANY PROVISION TO THE CONTRARY CONTAINED HEREIN OR IN ANY TEST REPORT, NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE, IS MADE.

15. (A) IN NO EVENT WHATSOEVER SHALL THE COMPANY BE LIABLE FOR ANY CONSEQUENTIAL, SPECIAL, INCIDENTAL, EXEMPLARY OR PUNITIVE DAMAGES IN CONNECTION WITH, RELATING TO OR ARISING OUT OF THE TEST REPORT OR THE SERVICES PROVIDED BY THE COMPANY HEREUNDER, INCLUDING WITHOUT LIMITATION LOSS OF OR DAMAGE TO PROPERTY; LOSS OF INCOME, PROFIT OR USE; OR ANY CLAIMS OR DEMANDS MADE AGAINST CLIENT OR ANY OTHER PERSON BY ANY THIRD PARTY IN CONNECTION WITH, RELATING TO OR ARISING OUT OF THE SERVICES PROVIDED BY THE COMPANY HEREUNDER.

(B)NOTWITHSTANDING ANY PROVISION TO THE CONTRARY CONTAINED HEREIN, AND IN RECOGNITION OF THE RELATIVE RISKS AND BENEFITS TO CLIENT AND THE COMPANY ASSOCIATED WITH THE TESTING SERVICES CONTEMPLATED HEREBY, THE RISKS HAVE BEEN ALLOCATED SUCH THAT UNDER NO CIRCUMSTANCES WHATSOEVER SHALL THE LIABILITY OF THE COMPANY TO CLIENT OR ANY THIRD PARTY IN RESPECT OF ANY CLAIM FOR LOSS, DAMAGE OR EXPENSE, OF WHATSOEVER NATURE OR MAGNITUDE, AND HOWSOEVER ARISING, EXCEED AN AMOUNT EQUAL TO FIVE (5) TIMES THE AMOUNT OF THE FEES PAID TO THE COMPANY FOR THE SPECIFIC SERVICES WHICH GAVE RISE TO SUCH CLAIM OR U.S.$10,000, WHICHEVER IS THE LESSER AMOUNT.

16. The Company shall not be liable for any loss or damage resulting from any delay or failure in performance of its obligations hereunder resulting directly or indirectly from any event of force majeure or any event outside the control of the Company. If any such event occurs, the Company may immediately cancel or suspend its performance hereunder without incurring any liability whatsoever to Client.

17. Company's services, including these Conditions, shall be governed by, and construed in accordance with, the local laws of the country where the Company performs the tests or, in the case of tests performed in the United States of America, the laws of Massachusetts without regard to conflicts of laws principles. If any aspect(s) of these Conditions is found to be illegal or unenforceable, the validity, legality and enforceability of all remaining aspects of these Conditions shall not in any way be affected or impaired thereby. Any proceeding related to the subject matter hereof shall be brought, if at all, in the courts of the country where the Company performs the tests or, in the case of tests performed in the United States of America, in the courts of Massachusetts. Client waives the right to interpose any counterclaim or setoffs of any nature in any litigation arising hereunder.

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Document Revision History

Issue No.	Summary of Changes	Date Issued	Prepared by	Approved by
1	Original Release	10/5/2022	BJV	YF

END OF REPORT