

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

Notes:

802.11n Low CH

Data rate MCS 3

1 Fair-rite with 2 loops on Ethernet cable going to the Radio board,
and one fair-rite with the ethernet cable going strait through.

Work Order - V0343

EUT Power Input - 120VAC 60Hz

Test Site - CH2

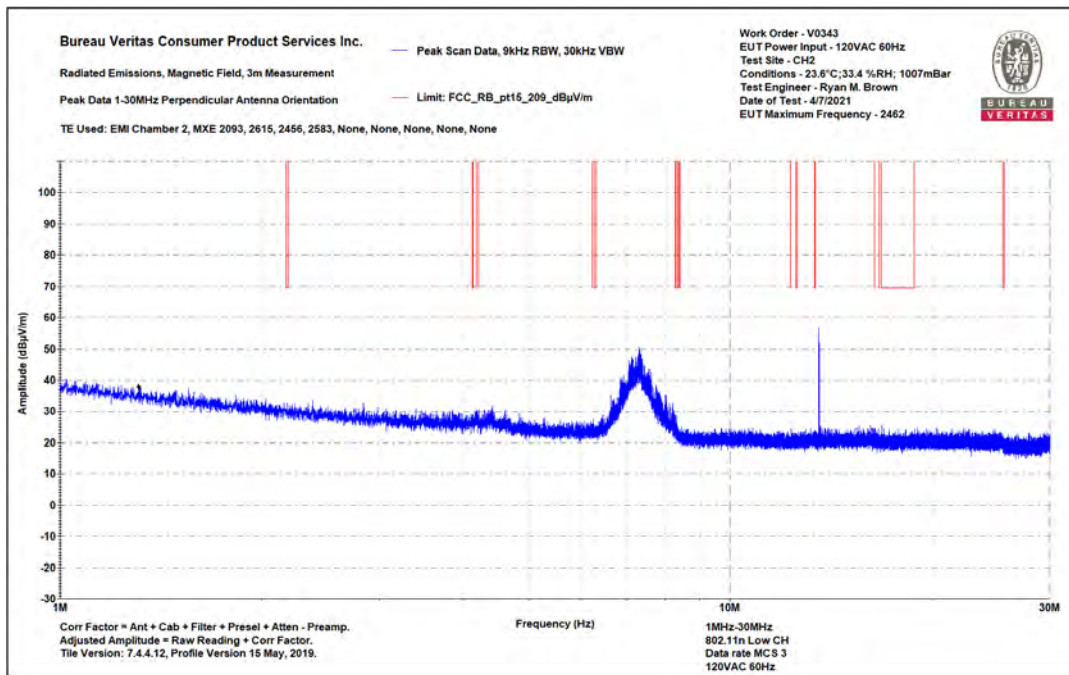
Conditions - 23.6°C;33.4 %RH; 1007mBar

Test Engineer - Ryan M. Brown

Date of Test - 4/7/2021

Frequency (MHz)	Raw Peak Reading (dBμV)	Correction Factor (dB/s)	Adjusted Peak Amplitude (dBμV/m)	Lim: FCC_pt15_20 9_dBμV/m (dBμV/m)	Peak Margin (dB)	Peak Test Results (Pass/Fail)	Worst Margin (dB)
2.1832	29.7	10.5	40.2	69.5	-29.3	PASS	-29.3
6.2867	13.93	10.8	24.73	69.5	-44.77	PASS	
8.2927	16.64	10.9	27.54	69.5	-41.96	PASS	

1 MHz – 30 MHz Perpendicular



1 MHz – 30 MHz Perpendicular

Bureau Veritas Consumer Product Services Inc.
Radiated Emissions Electric Field 3m Distance
30-1000MHz Vertical Data

Notes:

802.11n Low CH

Data Rate: MCS 3

Work Order - V0343

EUT Power Input - 120VAC 60Hz

Test Site - CH 2

Conditions - 22.8°C; 29%RH; 1001mBar

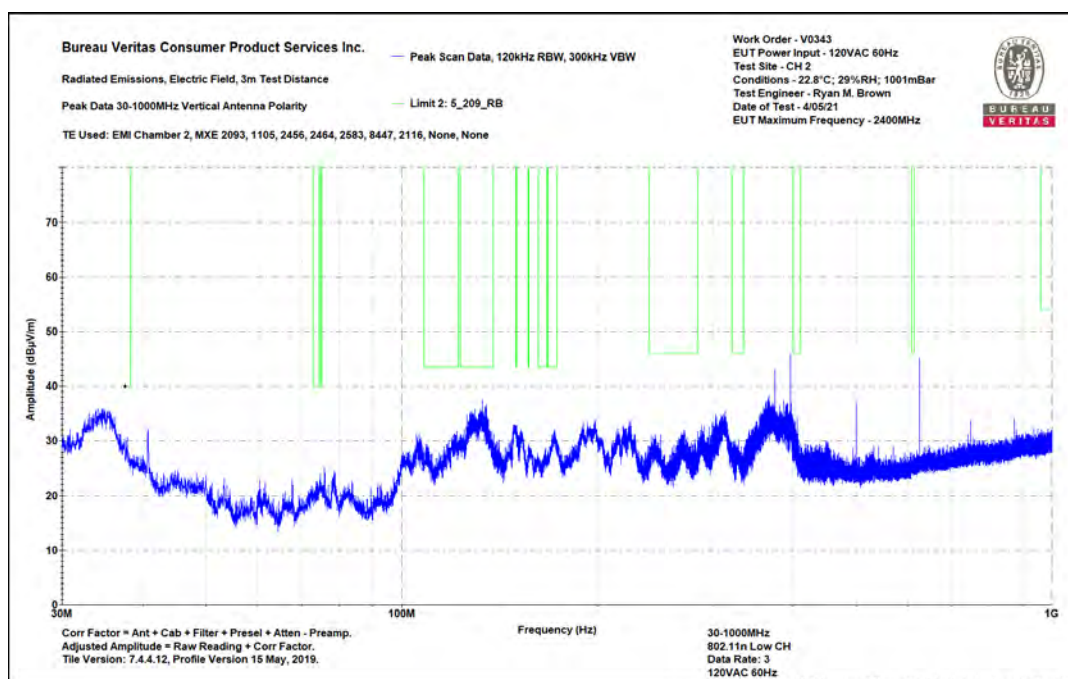
Test Engineer - Ryan M. Brown

Date of Test - 4/05/21

Added 1Ferrite with 2 loops on Ethernet cable close to the radio board and one fair-rite strait through on the ethernet cable

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)
132.893	44.57	-6.98	37.59	46	-8.41	PASS	-8.41	220	2
129.44	42.73	-6.92	35.81	46	-10.19	PASS		125	340
128.06	42.39	-6.92	35.47	46	-10.53	PASS		102	11
171.76	41.25	-9.29	31.96	46	-14.04	PASS		107	0
120.71	38.44	-7.2	31.24	46	-14.76	PASS		125	0
114.26	35.7	-7.93	27.77	46	-18.23	PASS		105	170

30 – 1000 MHz Vertical



30 – 1000 MHz Vertical

Bureau Veritas Consumer Product Services Inc.

Radiated Emissions Electric Field 3m Distance

30-1000MHz Horizontal Data

Notes:

802.11n Low CH

Data Rate: MCS 3

Work Order - V0343

EUT Power Input - 120VAC 60Hz

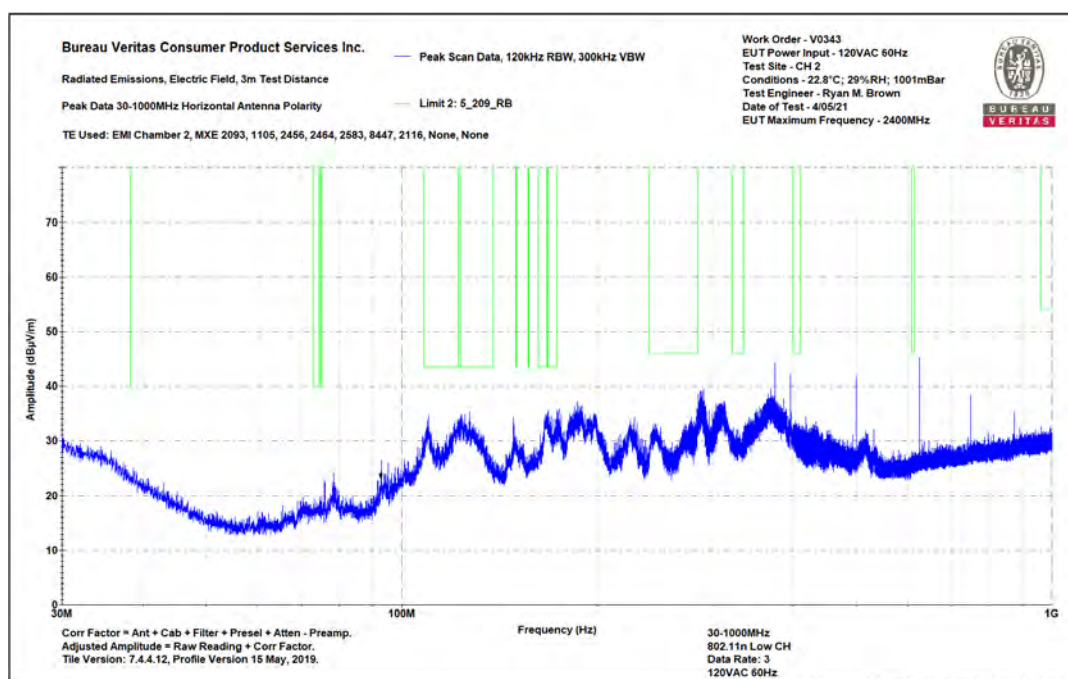
Test Site - CH 2

Conditions - 22.8°C; 29%RH; 1001mBar

Added 1Ferrite with 2 loops on Ethernet cable close to the radio board and one fair-rite strait through on the ethernet cable

Frequency (MHz)	Raw QP Reading (dBμV)	Correction Factor (dB/m)	Adjusted QP Amplitude (dBμV/m)	Lim1: FCC_pt15_20 9 (dBμV/m)	Margin to Lim1 (dB)	Test Results Lim1 (Pass/Fail)	Worst Margin Lim1 (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
285.86	45.442	-7	38.45	46	-7.55	PASS	-7.55	103	334
173.39	45.032	-9.4	35.62	43.5	-7.88	PASS		107	5
169.99	43.673	-8.8	34.86	43.5	-8.64	PASS		136	15
124.96	41.861	-7	34.86	43.5	-8.64	PASS		175	292
127.163	42.247	-6.9	35.33	43.5	-8.17	PASS		108	314
109.952	43.245	-8.6	34.65	43.5	-8.85	PASS		100	37

30- 1000 MHz Horizontal



30- 1000 MHz Horizontal



Bureau Veritas Consumer Product Services Inc.

Radiated Emissions Electric Field 3m Distance

1-6GHz Vertical Data

Notes:

802.11n Low CH

Data rate MCS 3

1 Fair-rite with 2 loops on Ethernet cable going to the Radio board,
and one fair-rite with the ethernet cable going strait through.

Work Order - V0343

EUT Power Input - 120VAC 50Hz

Test Site - CH2

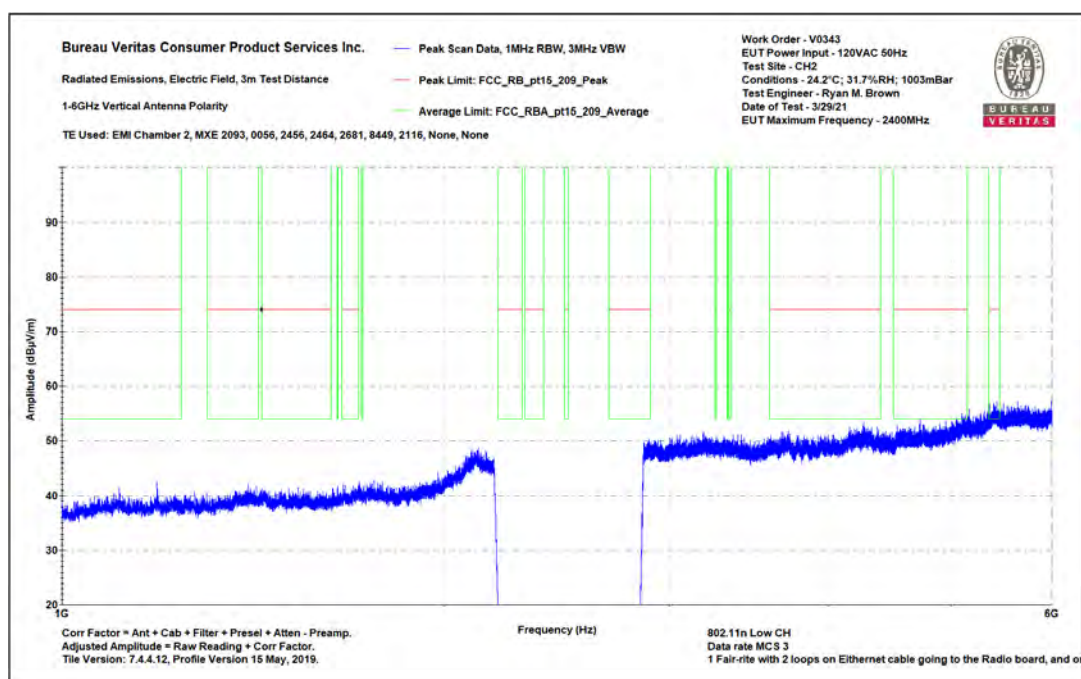
Conditions - 24.2°C; 31.7%RH; 1003mBar

Test Engineer - Ryan M. Brown

Date of Test - 3/29/21

Frequency (MHz)	Raw Peak Reading (dBμV)	Raw Avg Reading (dBμV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBμV/m)	Pk Lim: FCC_pt15_20 9_Peak (dBμV/m)	Peak Margin (dB)	Peak Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBμV/m)	Av Lim: FCC_pt15_20 9_Average (dBμV/m)	Avg Margin (dB)	Avg Results (Pass/Fail)	Worst Avg Margin (dB)
1188.7	46	37	-7	39.1	74	-34.9	PASS		30	54	-24	PASS	
5432.5	43.6	34.4	11.9	55.5	74	-18.5	PASS	-18.5	46.3	54	-7.7	PASS	
4726.5	41.95	41.95	7.8	49.75	74	-24.25	PASS		49.75	54	-4.25	PASS	-4.25

1 – 6 GHz Vertical



1 – 6 GHz Vertical

Bureau Veritas Consumer Product Services Inc.

Radiated Emissions Electric Field 3m Distance

1-6GHz Horizontal Data

Notes:

802.11n Low CH

Data rate MCS 3

1 Fair-rite with 2 loops on Ethernet cable going to the Radio board,
and one fair-rite with the ethernet cable going strait through.

Work Order - V0343

EUT Power Input - 120VAC 50Hz

Test Site - CH2

Conditions - 24.2°C; 31.7%RH; 1003mBar

Test Engineer - Ryan M. Brown

Date of Test - 3/29/21

Frequency (MHz)	Raw Peak Reading (dBμV)	Raw Avg Reading (dBμV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBμV/m)	Pk Lim: FCC_pt15_20 9_Peak (dBμV/m)	Peak Margin (dB)	Peak Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBμV/m)	Av Lim: FCC_pt15_20 9_Average (dBμV/m)	Avg Margin (dB)	Avg Results (Pass/Fail)	Worst Average Margin (dB)
4798	45.44	45.44	7.8	53.24	74	-20.76	PASS		53.24	54	-0.76	PASS	
4934.7	44.93	44.93	8.5	53.43	74	-20.57	PASS		53.43	54	-0.57	PASS	
5065.1	44.55	44.55	9.1	53.65	74	-20.35	PASS	-20.35	53.65	54	-0.35	PASS	-0.35

1 – 6 GHz Horizontal

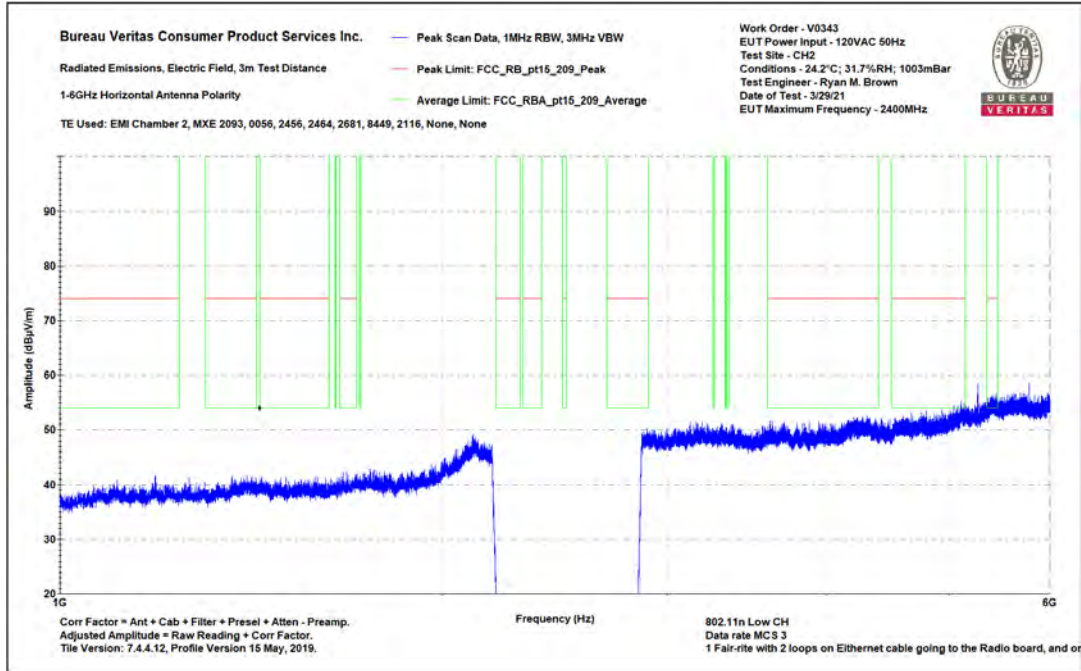


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1 – 6 GHz Horizontal

Bureau Veritas Consumer Product Services Inc.

Radiated Emissions Electric Field 1m Distance

6-18GHz Vertical Data

Notes:

802.11n LOW CH

Data rate MCS 3

1 Fair-rite with 2 loops on Ethernet cable going to the Radio board,
and one fair-rite with the ethernet cable going strait through.

Work Order - V0343

EUT Power Input - 120VAC 50Hz

Test Site - CH2

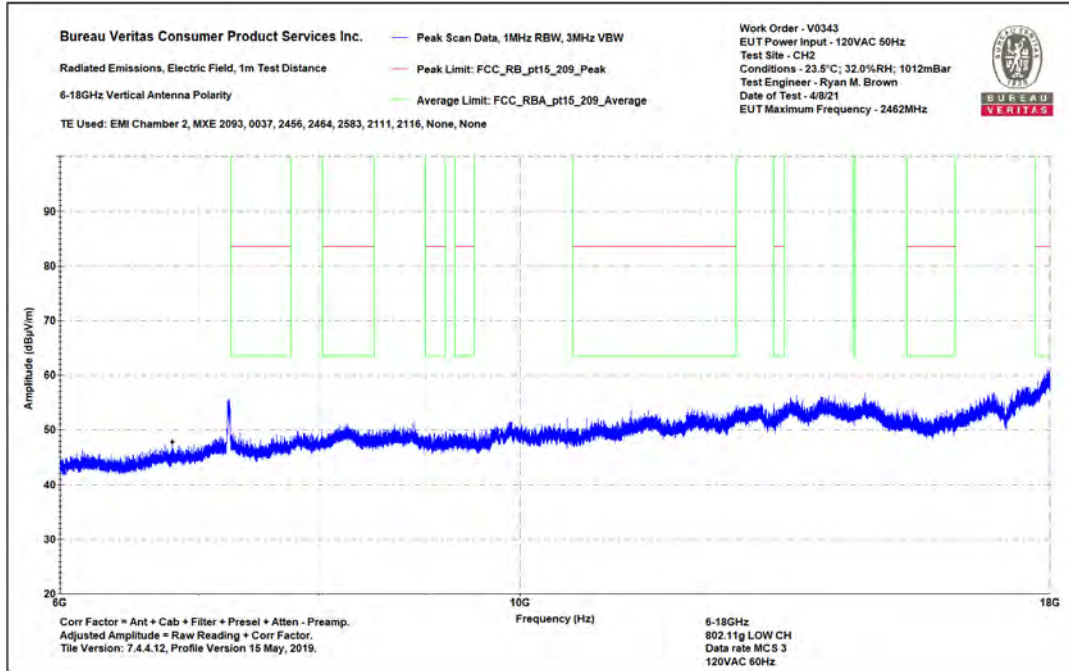
Conditions - 23.5°C; 32.0%RH; 1012mBar

Test Engineer - Ryan M. Brown

Date of Test - 4/8/21

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)
8253.3	48.13	48.13	2.8	50.93	83.5	-48.13	PASS		50.93	63.5	-12.57	PASS	
11302.5	49.03	49.03	4.4	53.43	83.5	-30.07	PASS		53.43	63.5	-10.07	PASS	
17952.7	41.3	33.4	14.5	55.8	83.5	-27.7	PASS	-27.7	47.9	63.5	-15.6	PASS	-15.6

6 – 18 GHz Vertical



6 – 18 GHz Vertical

Bureau Veritas Consumer Product Services Inc.
Radiated Emissions Electric Field 1m Distance
6-18GHz Horizontal Data

Notes:

802.11n LOW CH

Data rate MCS 3

1 Fair-rite with 2 loops on Ethernet cable going to the Radio board,
and one fair-rite with the ethernet cable going straight through.

Work Order - V0343

EUT Power Input - 120VAC 50Hz

Test Site - CH2

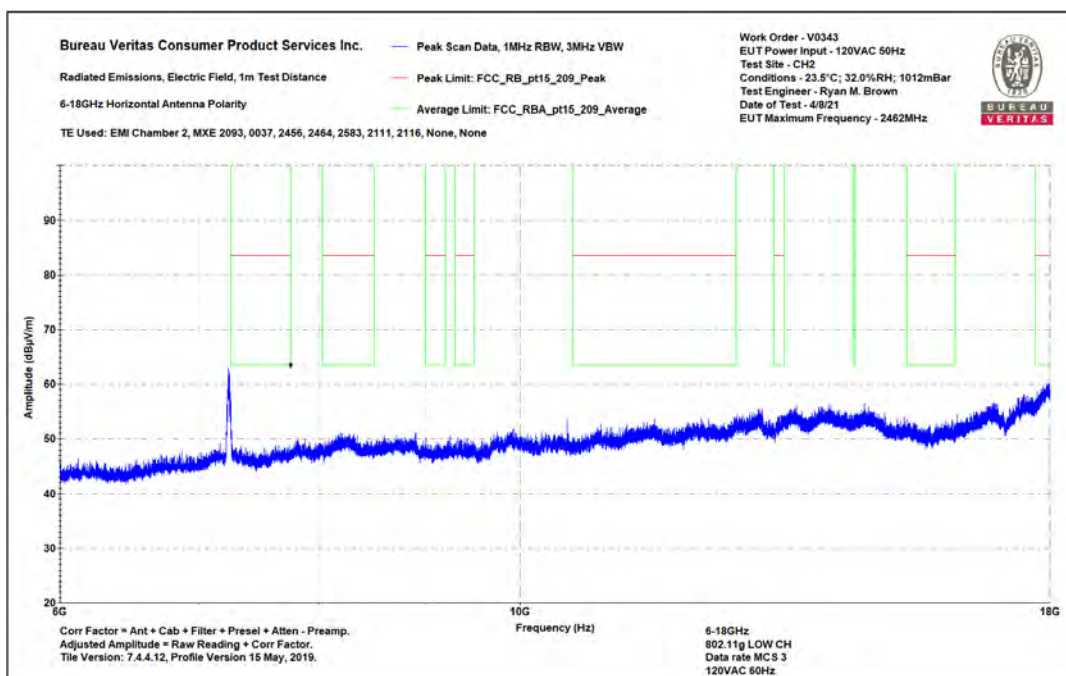
Conditions - 23.5°C; 32.0%RH; 1012mBar

Test Engineer - Ryan M. Brown

Date of Test - 4/8/21

Frequency (MHz)	Raw Peak Reading (dBμV)	Raw Avg Reading (dBμV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBμV/m)	Pk Lim: FCC_pt15_20_9_Peak (dBμV/m)	Peak Margin (dB)	Peak Test Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBμV/m)	Av Lim: FCC_pt15_20_9_Average (dBμV/m)	Avg Margin (dB)	Avg Test Results (Pass/Fail)	Worst Avg Margin (dB)
7250.1	55.89	50.89	1.05	56.94	83.5	-26.56	PASS	-26.56	56.94	63.5	-6.56	PASS	-6.56
11603.7	48.9	48.9	4.6	53.5	83.5	-30	PASS		53.5	63.5	-10	PASS	
17971.9	42.5	33.3	14.4	56.9	83.5	-26.6	PASS		47.7	63.5	-15.8	PASS	

6 – 18 GHz Horizontal



6 – 18 GHz Horizontal

Radiated Emissions Table

Date: 10-Apr-21		Company: BEVI		Work Order: V0343										
Engineer: Ryan M. Brown		EUT Desc: Standup Bevi, V2 product		EUT Operating Voltage/Frequency: 120VAC										
Temp:		Humidity:		Pressure:										
Frequency Range: 18-25GHz				Measurement Distance: 0.1 m										
Notes: 802.11n Data Rate: MCS 3 Low Ch				EUT Max Freq: 2462										
Antenna Polarization (H / V)	Frequency (MHz)	Peak Reading (dBµV)	Average Reading (dBµV)	Preamp Factor (dB)	Antenna Factor (dB/m)	Cable Factor (dB)	Adjusted Peak Reading (dBµV/m)	Adjusted Avg Reading (dBµV/m)	FCC Class B High Frequency - Peak			FCC Class B High Frequency - Average		
									Limit (dBµV/m)	Margin (dB)	Result (Pass/Fail)	Limit (dBµV/m)	Margin (dB)	Result (Pass/Fail)
No Emissions Found in this Range				---	---	---	---	---	---	---	---	---	---	---
				---	---	---	---	---	---	---	---	---	---	---
Table Result:		---	by		---		dB		Worst Freq:		---			MHz
Test Site: EMI Chamber 2		Cable 1: Asset #2323		Cable 2: ---		Cable 3: ---								
Analyzer: Rental SA#1		Preamp: 18-26.5GHz		Antenna: 18-26.5GHz Horn		Preselector: ---								
CSsoft Radiated Emissions Calculator v 1.017.217														
Adjusted Reading = Reading - Preamp Factor + Antenna Factor + Cable Factor														
Copyright Curtis-Straus LLC. 200														

18 – 25 GHz



18 – 25 GHz

802.11n Mid Channel Data Rate

Radiated Emissions, Electric Field, 3m Measurement

Top Peaks Parallel 9-150kHz

Notes:

802.11n Mid CH

Data rate 3

1 Fair-rite with 2 loops on Ethernet cable going to the Radio board,
and one fair-rite with the ethernet cable going strait through.

EUT Power Input - 120VAC

Test Site - CH2

Conditions - 24.3°C; 32.1%RH; 1010 mBar

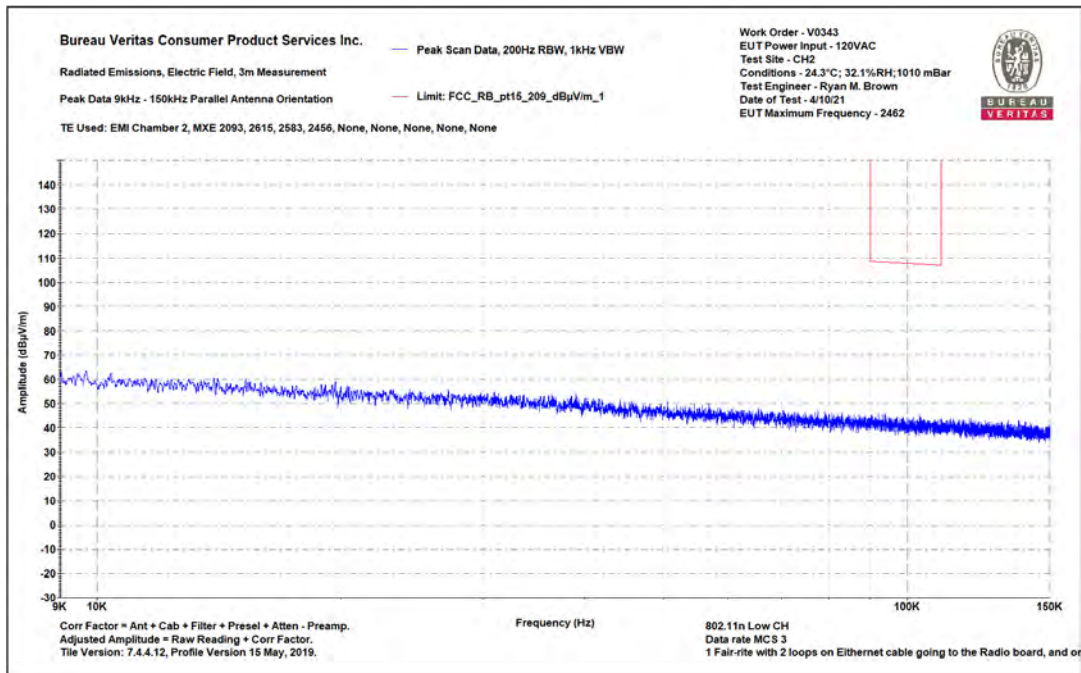
Test Engineer - Ryan M. Brown

Date of Test - 4/10/21

EUT Maximum Frequency - 2462

Frequency (MHz)	Raw Peak Reading (dBμV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBμV/m)	Lim: FCC_pt15_20 9_dBμV/m (dBμV/m)	Peak Margin (dB)	Peak Test Results (Pass/Fail)	Worst Margin (dB)
0.1001	33.6	10.1	43.7	107.6	-63.9	PASS	
0.092095	35.5	10.4	46	108.3	-62.4	PASS	
0.103615	35.1	10.1	45.2	107.3	-62.1	PASS	-62.1

9 – 150 KHz Parallel



9 – 150 KHz Parallel

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

Notes:

802.11n Mid CH

Data rate MCS 3

1 Fair-rite with 2 loops on Ethernet cable going to the Radio board,
and one fair-rite with the ethernet cable going strait through.

Work Order - V0343

EUT Power Input - 120VAC

Test Site - CH2

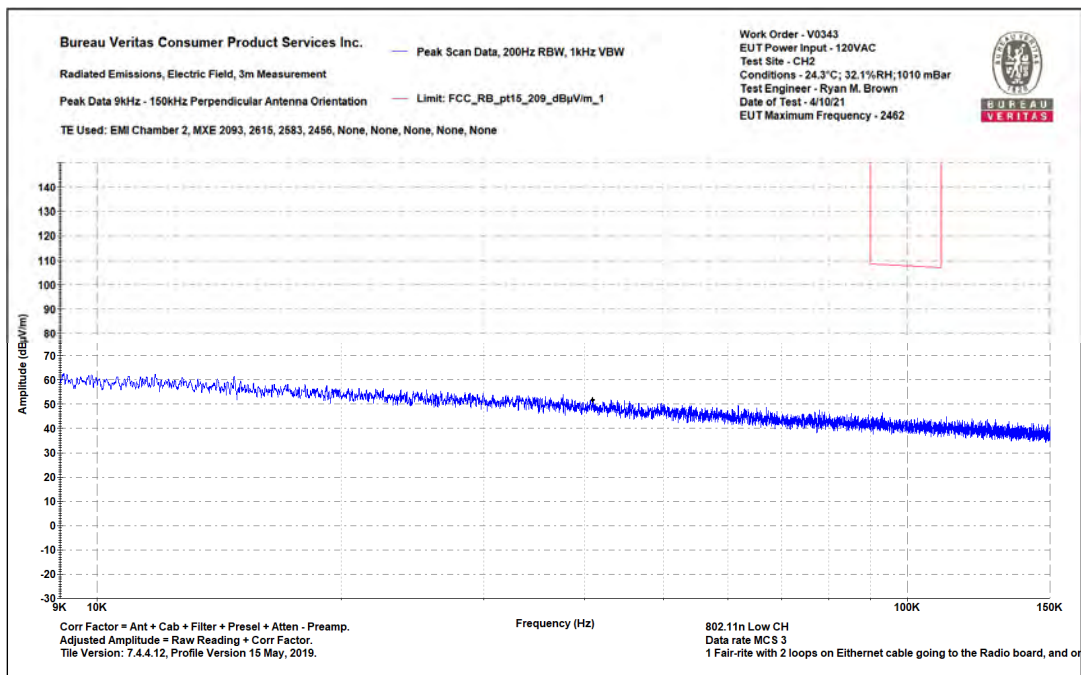
Conditions - 24.3°C; 32.1%RH; 1010 mBar

Test Engineer - Ryan M. Brown

Date of Test - 4/10/21

Frequency (MHz)	Raw Peak Reading (dBμV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBμV/m)	Lim: FCC_pt15_20 9_dBμV/m (dBμV/m)	Peak Margin (dB)	Peak Test Results (Pass/Fail)	Worst Margin (dB)
0.0903	30.2	10.5	40.7	108.5	-67.8	PASS	
0.0999	32.3	10.1	42.4	107.6	-65.2	PASS	
0.093195	36.1	10.4	46.5	108.2	-61.8	PASS	-61.8

9 – 150 KHz Perpendicular



9 – 150 KHz Perpendicular

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

Notes:

802.11n Mid CH

Data rate MCS 3

1 Fair-rite with 2 loops on Ethernet cable going to the Radio board,
and one fair-rite with the ethernet cable going straight through.

Work Order - V0343

EUT Power Input - 120VAC 60Hz

Test Site - CH2

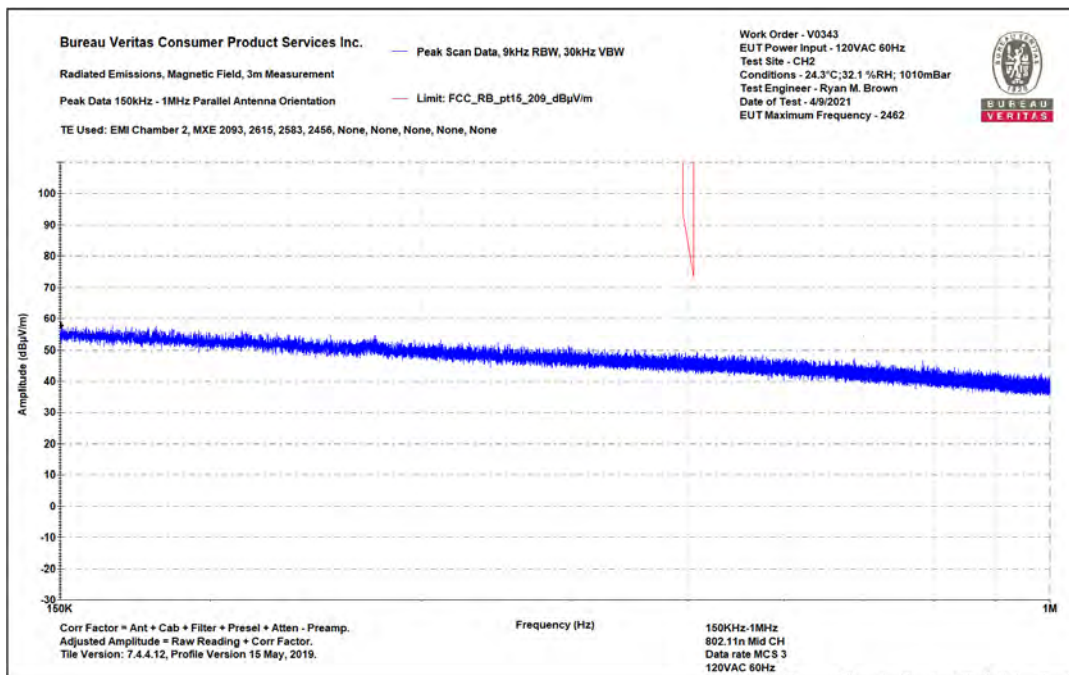
Conditions - 24.3°C; 32.1 %RH; 1010mBar

Test Engineer - Ryan M. Brown

Date of Test - 4/9/2021

Frequency (MHz)	Raw Peak Reading (dBμV)	Correction Factor (dB/s)	Adjusted Peak Amplitude (dBμV/m)	Lim: FCC_pt15_20 9_dBμV/m (dBμV/m)	Peak Margin (dB)	Peak Test Results (Pass/Fail)	Worst Margin (dB)
0.501	36.6	10.2	46.8	80	-33.2	PASS	
0.496	32.4	10.2	42.6	90	-47.4	PASS	
0.504	37.5	10.2	47.7	73.5	-25.8	PASS	-25.8

150 KHz – 1 MHz Parallel



150 KHz – 1 MHz Parallel

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

Notes:

150KHz-1MHz

Data rate 3

1 Fair-rite with 2 loops on Ethernet cable going to the Radio board,
and one fair-rite with the ethernet cable going straight through.

Work Order - V0343

EUT Power Input - 120VAC 60Hz

Test Site - CH2

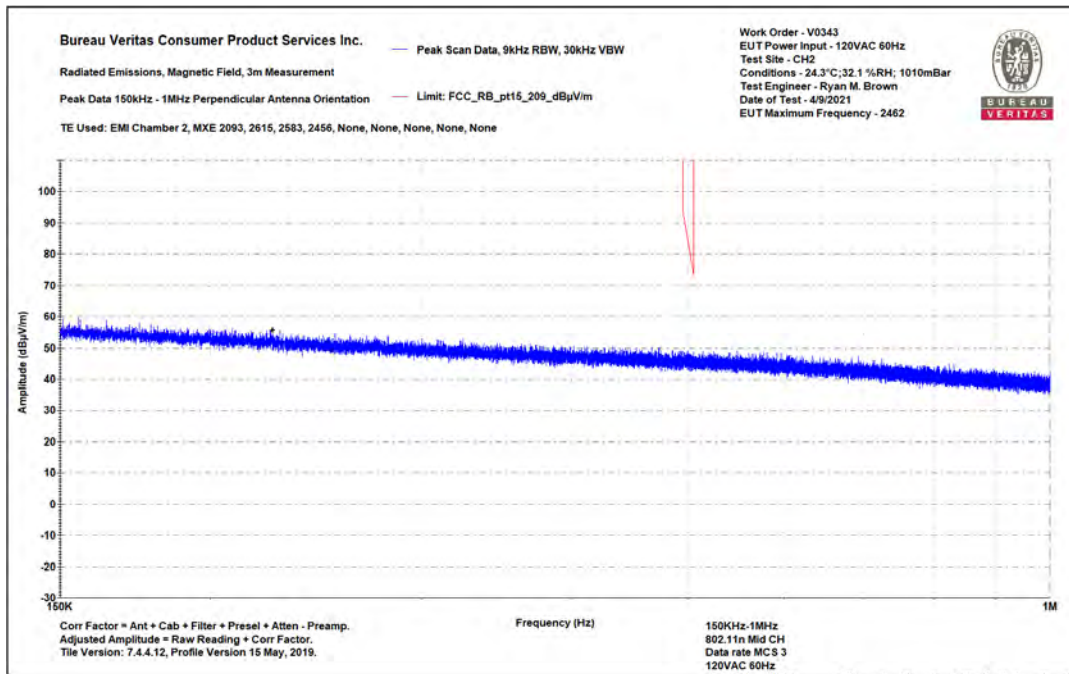
Conditions - 24.3°C; 32.1 %RH; 1010mBar

Test Engineer - Ryan M. Brown

Date of Test - 4/9/2021

Frequency (MHz)	Raw Peak Reading (dBμV)	Correction Factor (dB/s)	Adjusted Peak Amplitude (dBμV/m)	Lim: FCC_pt15_209_dBμV/m (dBμV/m)	Peak Margin (dB)	Peak Test Results (Pass/Fail)	Worst Margin (dB)
0.5015	37.6	10.2	47.8	80	-32.2	PASS	
0.49501	38.7	10.2	48.9	93.8	-44.9	PASS	
0.5048	36.4	10.2	46.6	73.5	-26.9	PASS	-26.9

150 KHz – 1 MHz Perpendicular



150 KHz – 1 MHz Perpendicular

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

Notes:

802.11n MID CH

Data rate MCS 3

1 Fair-rite with 2 loops on Ethernet cable going to the Radio board,
and one fair-rite with the ethernet cable going straight through.

Work Order - V0343

EUT Power Input - 120VAC 60Hz

Test Site - CH2

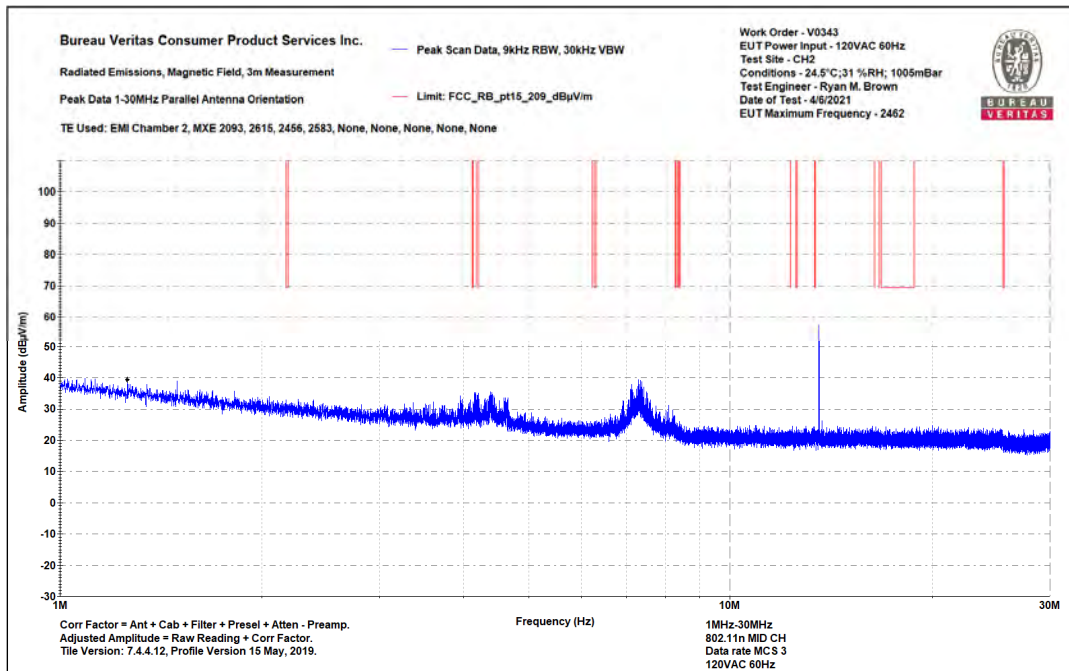
Conditions - 24.5°C; 31 %RH; 1005mBar

Test Engineer - Ryan M. Brown

Date of Test - 4/6/2021

Frequency (MHz)	Raw Peak Reading (dBμV)	Correction Factor (dB/s)	Adjusted Peak Amplitude (dBμV/m)	Lim: FCC_pt15_20 9_dBμV/m (dBμV/m)	Peak Margin (dB)	Peak Test Results (Pass/Fail)	Worst Margin (dB)
4.125475	17.36	10.6	27.96	69.5	-41.54	PASS	
2.17595	22.3	10.5	32.8	69.5	-36.7	PASS	-36.7
8.291325	13.7	10.8	24.5	69.5	-45	PASS	

1 MHz – 30MHz Parallel



1 MHz – 30MHz Parallel

Bureau Veritas Consumer Product Services Inc.

Radiated Emissions Magnetic Field 3m Distance

Top Peaks Perpendicular 1-30MHz

Notes:

802.11n MID CH

Data rate MCS 3

1 Fair-rite with 2 loops on Ethernet cable going to the Radio board,
and one fair-rite with the ethernet cable going straight through.

Work Order - V0343

EUT Power Input - 120VAC 60Hz

Test Site - CH2

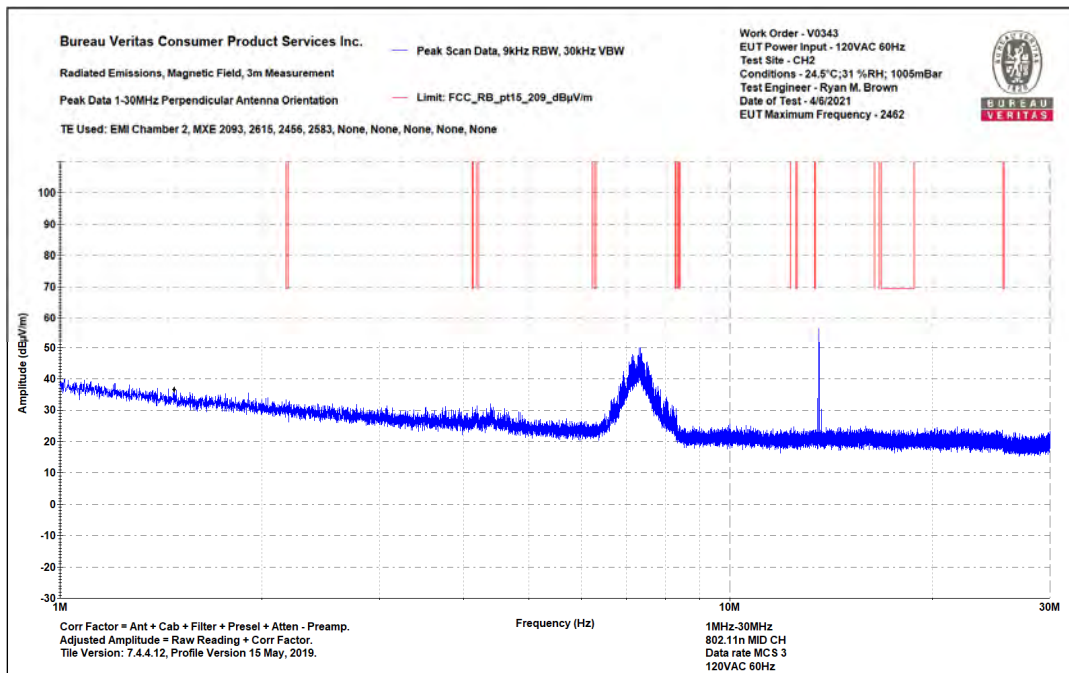
Conditions - 24.5°C; 31 %RH; 1005mBar

Test Engineer - Ryan M. Brown

Date of Test - 4/6/2021

Frequency (MHz)	Raw Peak Reading (dBμV)	Correction Factor (dB/s)	Adjusted Peak Amplitude (dBμV/m)	Lim: FCC_pt15_20 9_dBμV/m (dBμV/m)	Peak Margin (dB)	Peak Test Results (Pass/Fail)	Worst Margin (dB)
2.1745	22.9	10.5	33.4	69.5	-36.1	PASS	-36.1
1.911	14.59	10.8	25.39	69.5	-44.11	PASS	
7.316	13.79	10.8	24.59	69.5	-44.91	PASS	

1 MHz – 30 MHz Perpendicular



1 MHz – 30 MHz Perpendicular

Bureau Veritas Consumer Product Services Inc.
Radiated Emissions Electric Field 3m Distance
30-1000MHz Vertical Data

Notes:

802.11n MID CH

Data Rate: MCS 3

Added 1 Ferrite with 2 loops on Ethernet cable close to the radio board and one fair-rite straight through on the ethernet cable

Work Order - V0343

EUT Power Input - 120VAC 60Hz

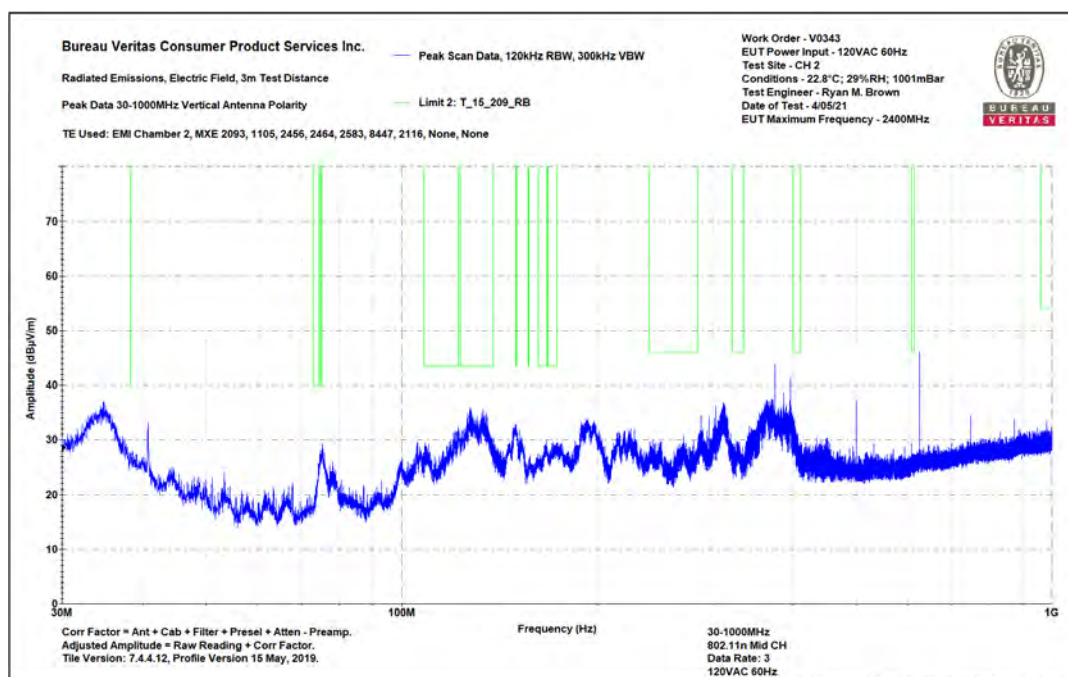
Test Site - CH 2

Conditions - 22.8°C; 29%RH; 1001mBar

Test Engineer - Ryan M. Brown

Frequency (MHz)	Raw QP Reading (dBμV)	Correction Factor (dB/m)	Adjusted QP Amplitude (dBμV/m)	Lim1: FCC_pt15_20 (dBμV/m)	Margin to Lim1 (dB)	Test Results Lim1 (Pass/Fail)	Worst Margin Lim1 (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
127.145	42.713	-6.9	35.799	43.5	-7.701	PASS	-7.701	125	0
133.62	37.679	-2.1	35.62	43.5	-7.88	PASS		111	340
288.626	41.383	-7	34.377	46	-11.623	PASS		133	25
120.792	38.675	-7.2	31.479	43.5	-12.021	PASS		175	250
130.419	41.112	-6.9	34.164	43.5	-9.336	PASS		102	35

30 – 1000 MHz Vertical



30 – 1000 MHz Vertical



Bureau Veritas Consumer Product Services Inc.

Radiated Emissions Electric Field 3m Distance

30-1000MHz Horizontal Data

Notes:

802.11n MID CH

Data Rate: MCS 3

Added 1Ferrite with 2 loops on Ethernet cable close to the radio board and one fair-rite strait through on the ethernet cable

Work Order - V0343

EUT Power Input - 120VAC 60Hz

Test Site - CH 2

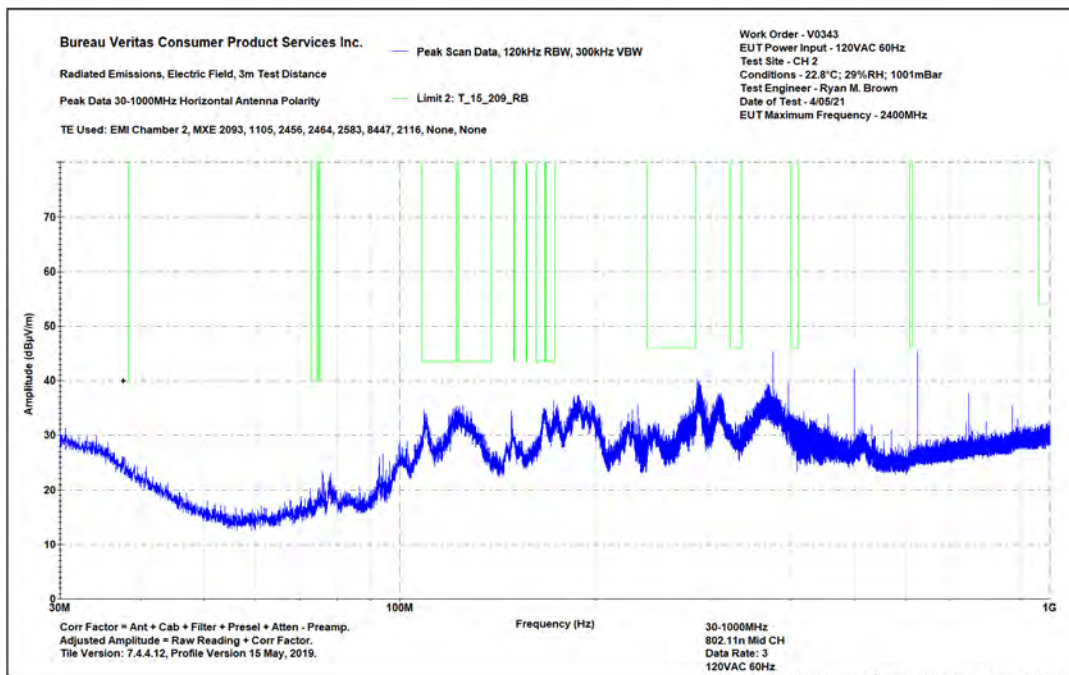
Conditions - 22.8°C; 29%RH; 1001mBar

Test Engineer - Ryan M. Brown

Date of Test - 4/05/21

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)
125.01	42.41	-6.9	35.422	40	-4.578	PASS	-4.578	125	19
109.9	42.44	-8.6	33.84	46	-12.16	PASS		100	25
128.64	41.137	-6.9	34.22	46	-11.78	PASS		100	340
172.34	45.65	-9.4	36.3	46	-9.7	PASS		125	0
118.99	40.98	-7.3	33.66	46	-12.34	PASS		125	25
126.8	41.27	-6.9	34.34	46	-11.66	PASS		104	172

30- 1000 MHz Horizontal



30- 1000 MHz Horizontal

Bureau Veritas Consumer Product Services Inc.

Radiated Emissions Electric Field 3m Distance

1-6GHz Vertical Data

Notes:

802.11n MID CH

Data rate MCS 3

1 Fair-rite with 2 loops on Ethernet cable going to the Radio board,
and one fair-rite with the ethernet cable going strait through.

Work Order - V0343

EUT Power Input - 120VAC 50Hz

Test Site - CH2

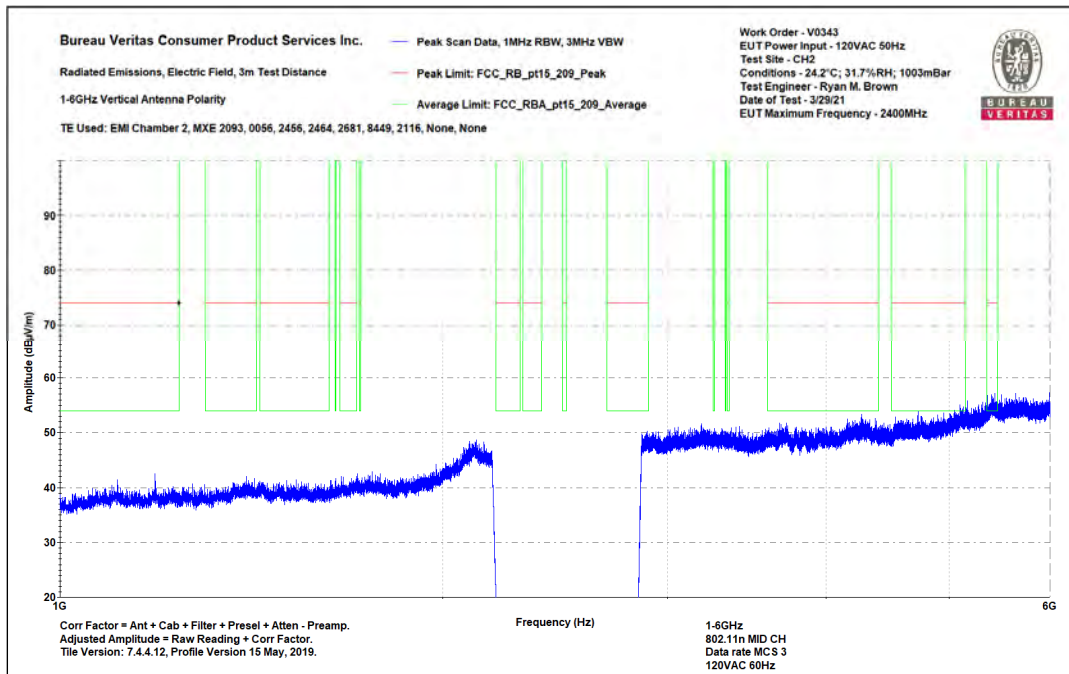
Conditions - 24.2°C; 31.7%RH; 1003mBar

Test Engineer - Ryan M. Brown

Date of Test - 3/29/21

Frequency (MHz)	Raw Peak Reading (dBμV)	Raw Avg Reading (dBμV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBμV/m)	Pk Lim: FCC_pt15_20 9_Peak (dBμV/m)	Peak Margin (dB)	Peak Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBμV/m)	Av Lim: FCC_pt15_20 9_Average (dBμV/m)	Avg Margin (dB)	Avg Results (Pass/Fail)	Worst Avg Margin (dB)
1188.7	46	37	-7	39.1	74	-34.9	PASS		30	54	-24	PASS	
4265.9	45.2	45.2	7.4	52.6	74	-21.4	PASS		52.6	54	-1.4	PASS	-1.4
5432.5	43.6	34.4	11.9	55.5	74	-18.5	PASS		46.3	54	-7.7	PASS	

1 – 6 GHz Vertical



1 – 6 GHz Vertical

Bureau Veritas Consumer Product Services Inc.

Radiated Emissions Electric Field 3m Distance

1-6GHz Horizontal Data

Notes:

802.11n MID CH

Data rate MCS 3

1 Fair-rite with 2 loops on Ethernet cable going to the Radio board,
and one fair-rite with the ethernet cable going strait through.

Work Order - V0343

EUT Power Input - 120VAC 50Hz

Test Site - CH2

Conditions - 24.2°C; 31.7%RH; 1003mBar

Test Engineer - Ryan M. Brown

Date of Test - 3/29/21

Frequency (MHz)	Raw Peak Reading (dBμV)	Raw Avg Reading (dBμV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBμV/m)	Pk Lim: FCC_pt15_20 9_Peak (dBμV/m)	Peak Margin (dB)	Peak Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBμV/m)	Av Lim: FCC_pt15_20 9_Average (dBμV/m)	Avg Margin (dB)	Avg Results (Pass/Fail)	Worst Average Margin (dB)
3796.7	42.4	42.4	6.2	48.6	74	-25.4	PASS		48.6	54	-5.4	PASS	
4667.4	42	42	7.6	49.6	74	-24.4	PASS		49.6	54	-4.4	PASS	
4798	45.4	45.4	7.8	53.2	74	-20.8	PASS		53.2	54	-0.8	PASS	-0.8

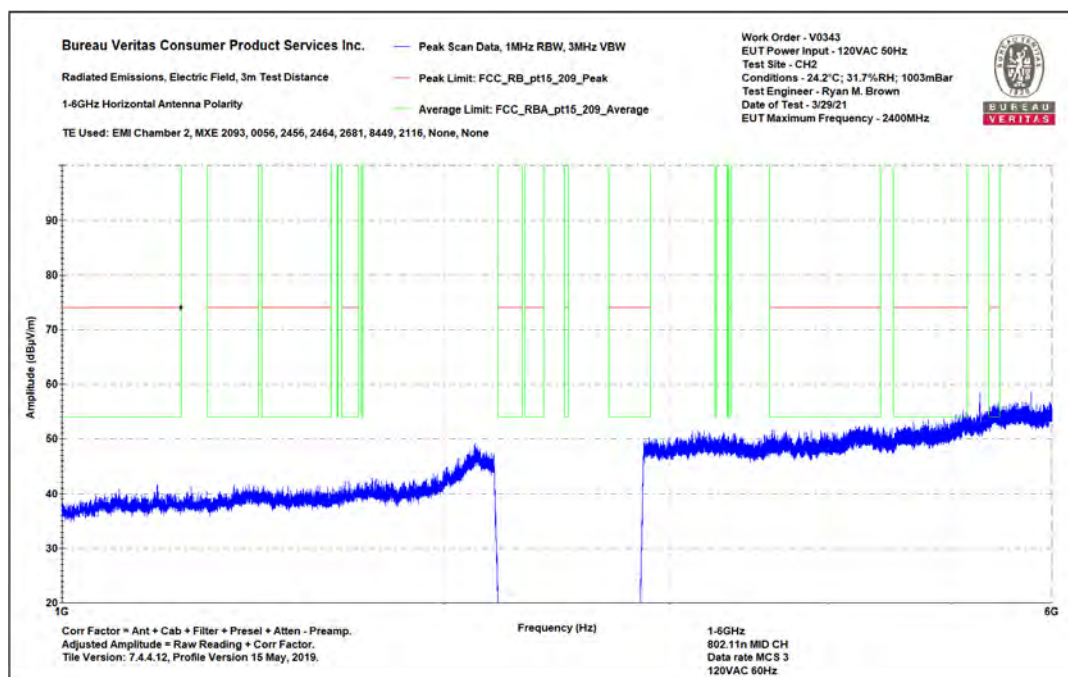
1 – 6 GHz Horizontal



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1 – 6 GHz Horizontal

Bureau Veritas Consumer Product Services Inc.

Radiated Emissions Electric Field 1m Distance

6-18GHz Vertical Data

Notes:

802.11n MID CH

Data rate MCS 3

1 Fair-rite with 2 loops on Ethernet cable going to the Radio board,
and one fair-rite with the ethernet cable going strait through.

Work Order - V0343

EUT Power Input - 120VAC 50Hz

Test Site - CH2

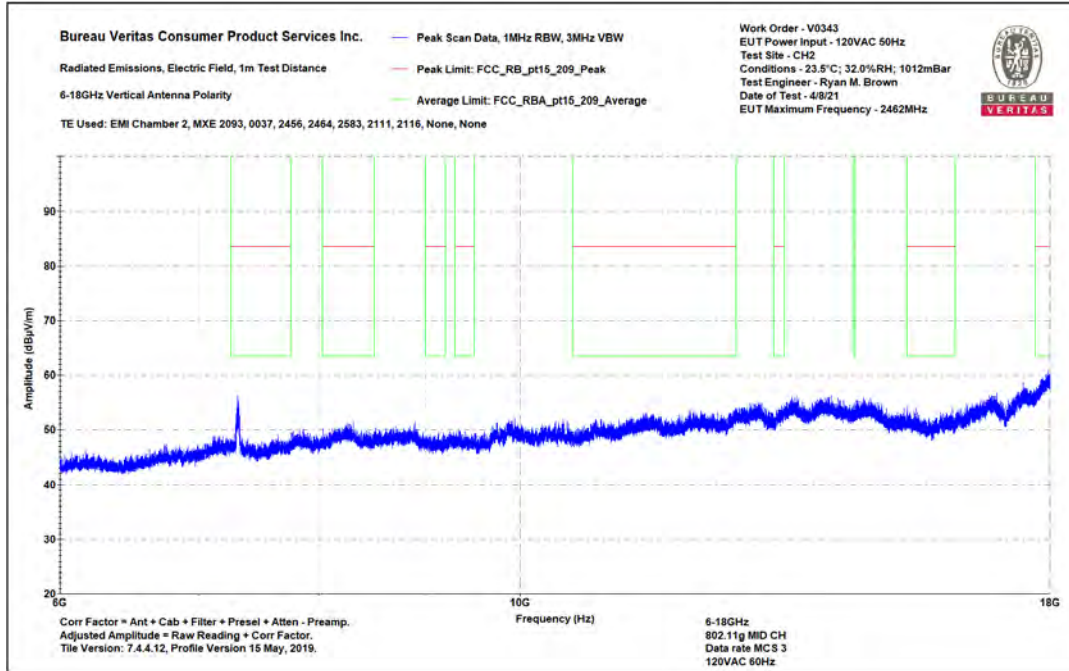
Conditions - 23.5°C; 32.0%RH; 1012mBar

Test Engineer - Ryan M. Brown

Date of Test - 4/8/21

Frequency (MHz)	Raw Peak Reading (dBμV)	Raw Avg Reading (dBμV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBμV/m)	Pk Lim: FCC_pt15_20_9_Peak (dBμV/m)	Peak Margin (dB)	Peak Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBμV/m)	Av Lim: FCC_pt15_20_9_Average (dBμV/m)	Avg Margin (dB)	Avg Results (Pass/Fail)	Worst Avg Margin (dB)
7310.1	46.8	36.1	0.9	47.6	83.5	-35.9	PASS		36.9	63.5	-26.6	PASS	
12072.6	48.47	48.47	5	53.47	83.5	-30.03	PASS		53.47	63.5	-10.03	PASS	-10.03
17965	42.3	33.4	14.4	56.7	83.5	-26.8	PASS		47.8	63.5	-15.7	PASS	

6 – 18 GHz Vertical



6 – 18 GHz Vertical

Bureau Veritas Consumer Product Services Inc.
Radiated Emissions Electric Field 1m Distance
6-18GHz Horizontal Data

Notes:

802.11n MID CH

Data rate MCS 3

1 Fair-rite with 2 loops on Ethernet cable going to the Radio board,
and one fair-rite with the ethernet cable going straight through.

Work Order - V0343

EUT Power Input - 120VAC 50Hz

Test Site - CH2

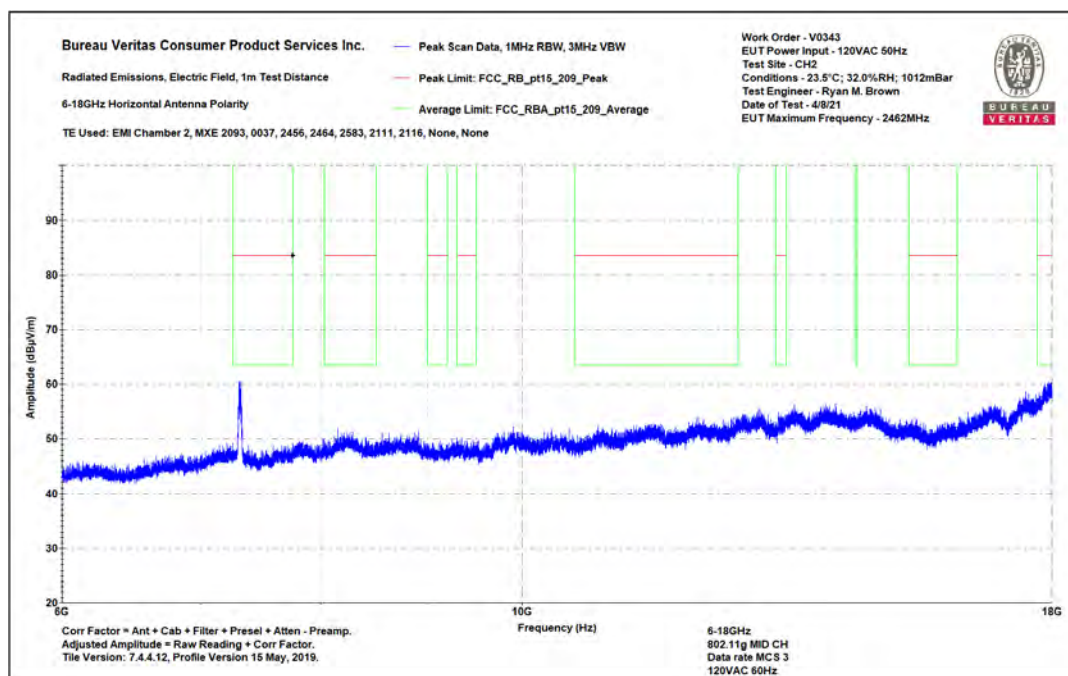
Conditions - 23.5°C; 32.0%RH; 1012mBar

Test Engineer - Ryan M. Brown

Date of Test - 4/8/21

Frequency (MHz)	Raw Peak Reading (dBµV)	Raw Avg Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_20 9_Peak (dBµV/m)	Peak Margin (dB)	Peak Test Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBµV/m)	Av Lim: FCC_pt15_20 9_Average (dBµV/m)	Avg Margin (dB)	Avg Test Results (Pass/Fail)	Worst Avg Margin (dB)
7300	56.6	45.8	0.9	57.5	83.5	-26	PASS	-26	46.7	63.5	-16.8	PASS	
7314.9	56.3	45.9	0.9	57.1	83.5	-26.4	PASS		46.7	63.5	-16.8	PASS	
17992.3	43.2	33.2	14.2	57.4	83.5	-26.1	PASS		47.4	63.5	-16.1	PASS	-16.1

6 – 18 GHz Horizontal



6 – 18 GHz Horizontal

Radiated Emissions Table

Date: 10-Apr-21		Company: BEVI		Work Order: V0343										
Engineer: Ryan M. Brown		EUT Desc: Standup Bevi, V2 product		EUT Operating Voltage/Frequency: 120VAC										
Temp:		Humidity:		Pressure:										
Frequency Range: 18-25GHz				Measurement Distance: 0.1 m										
Notes: 802.11n Data Rate: MCS 3 Mid Ch				EUT Max Freq: 2462										
Antenna Polarization (H / V)	Frequency (MHz)	Peak Reading (dBμV)	Average Reading (dBμV)	Preamp Factor (dB)	Antenna Factor (dB/m)	Cable Factor (dB)	Adjusted Peak Reading (dBμV/m)	Adjusted Avg Reading (dBμV/m)	FCC Class B High Frequency - Peak			FCC Class B High Frequency - Average		
									Limit (dBμV/m)	Margin (dB)	Result (Pass/Fail)	Limit (dBμV/m)	Margin (dB)	Result (Pass/Fail)
No Emissions Found in this Range				---	---	---	---	---	---	---	---	---	---	---
				---	---	---	---	---	---	---	---	---	---	---
Table Result:		---	by		---		dB		Worst Freq:		---			MHz
Test Site: EMI Chamber 2		Cable 1: Asset #2323		Cable 2: ---		Cable 3: ---								
Analyzer: Rental SA#1		Preamp: 18-26.5GHz		Antenna: 18-26.5GHz Horn		Preselector: ---								
CSsoft Radiated Emissions Calculator v 1.017.217														
Adjusted Reading = Reading - Preamp Factor + Antenna Factor + Cable Factor														
Copyright Curtis-Straus LLC. 201														

18 – 25 GHz



18 – 25 GHz

802.11n High Channel Data Rate

Bureau Veritas Consumer Product Services Inc.

Radiated Emissions, Electric Field, 3m Measurement

Top Peaks Parallel 9-150kHz

Notes:

802.11n HIGH CH

Data rate MCS 1

1 Fair-rite with 2 loops on Ethernet cable going to the Radio board,
and one fair-rite with the ethernet cable going strait through.

Work Order - V0343

EUT Power Input - 120VAC

Test Site - CH2

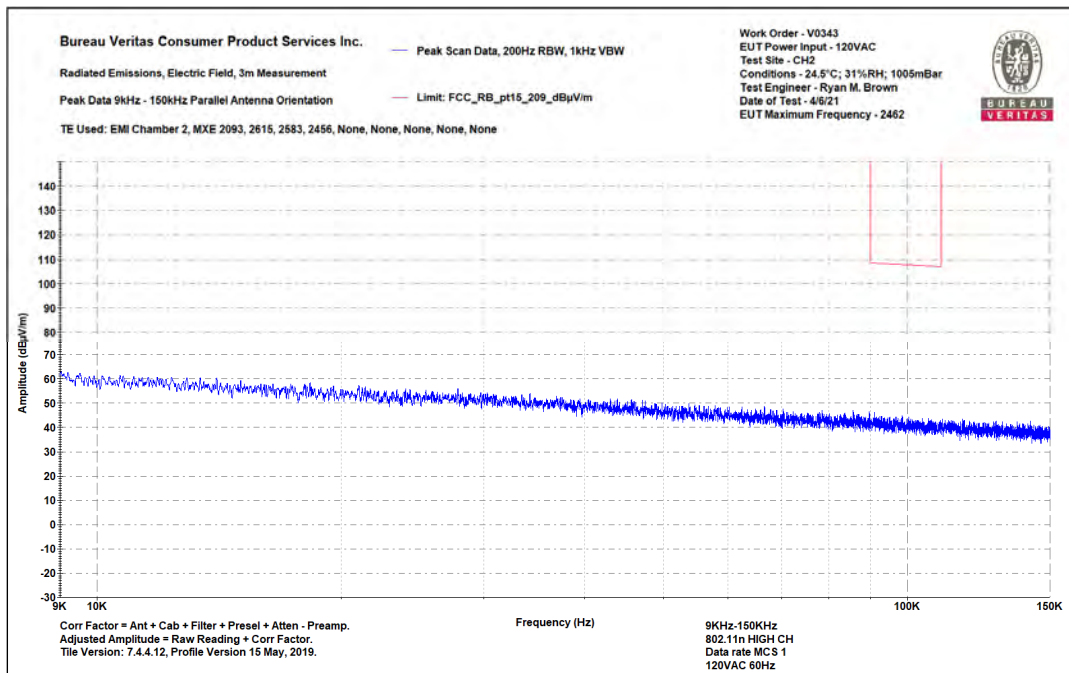
Conditions - 24.5°C; 31%RH; 1005mBar

Test Engineer - Ryan M. Brown

Date of Test - 4/6/21

Frequency (MHz)	Raw Peak Reading (dBμV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBμV/m)	Lim: FCC_pt15_20 9_dBμV/m (dBμV/m)	Peak Margin (dB)	Peak Test Results (Pass/Fail)	Worst Margin (dB)
0.091122	35.9	10.5	46	108.4	-62.4	PASS	-62.4
0.10957	31.9	10.1	42	106.7	-64.7	PASS	
0.099825	33.2	10.2	43.4	107.6	-64.2	PASS	

9 – 150 KHz Parallel



9 – 150 KHz Parallel

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

Notes:

802.11n HIGH CH

Data rate MCS 1

1 Fair-rite with 2 loops on Ethernet cable going to the Radio board,
and one fair-rite with the ethernet cable going straight through.

Work Order - V0343

EUT Power Input - 120VAC

Test Site - CH2

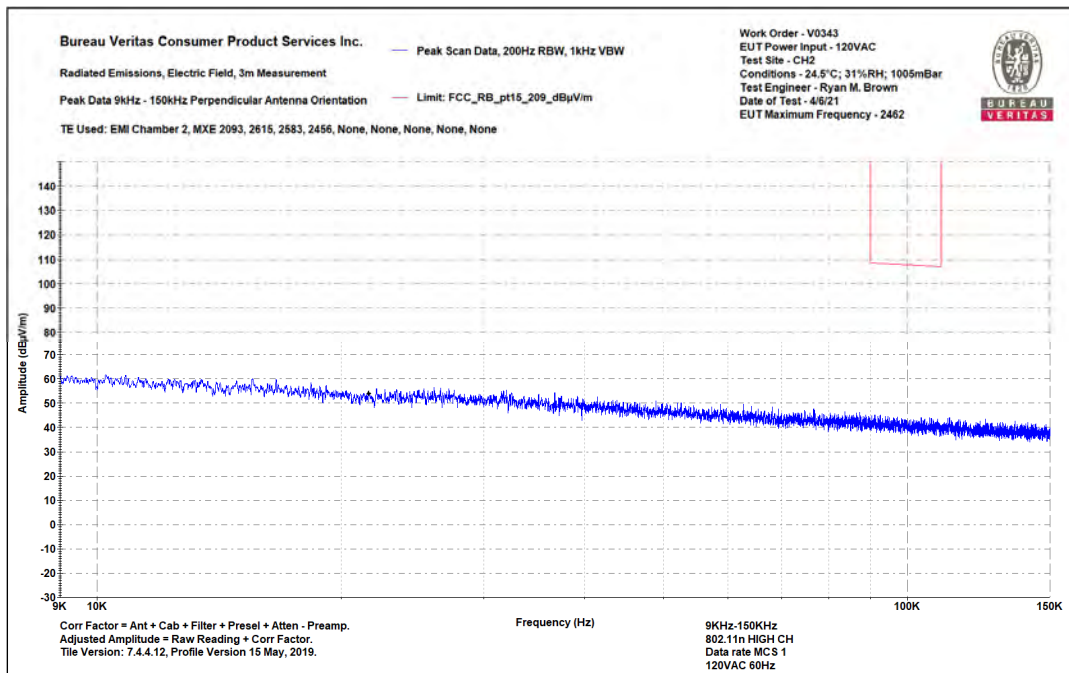
Conditions - 24.5°C; 31%RH; 1005mBar

Test Engineer - Ryan M. Brown

Date of Test - 4/6/21

Frequency (MHz)	Raw Peak Reading (dBμV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBμV/m)	Lim: FCC_pt15_20 9_dBμV/m (dBμV/m)	Peak Margin (dB)	Peak Test Results (Pass/Fail)	Worst Margin (dB)
0.091266	34.6	10.5	45.1	108	-62.9	PASS	-62.9
0.100135	30.8	10.1	40.9	107.6	-66.7	PASS	
0.109738	31.1	10.1	41.2	106.7	-65.5	PASS	

9 – 150 KHz Perpendicular



9 – 150 KHz Perpendicular

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

Notes:

802.11n HIGH CH

Data rate MCS 1

1 Fair-rite with 2 loops on Ethernet cable going to the Radio board,
and one fair-rite with the ethernet cable going strait through.

Work Order - V0343

EUT Power Input - 120VAC 60Hz

Test Site - CH2

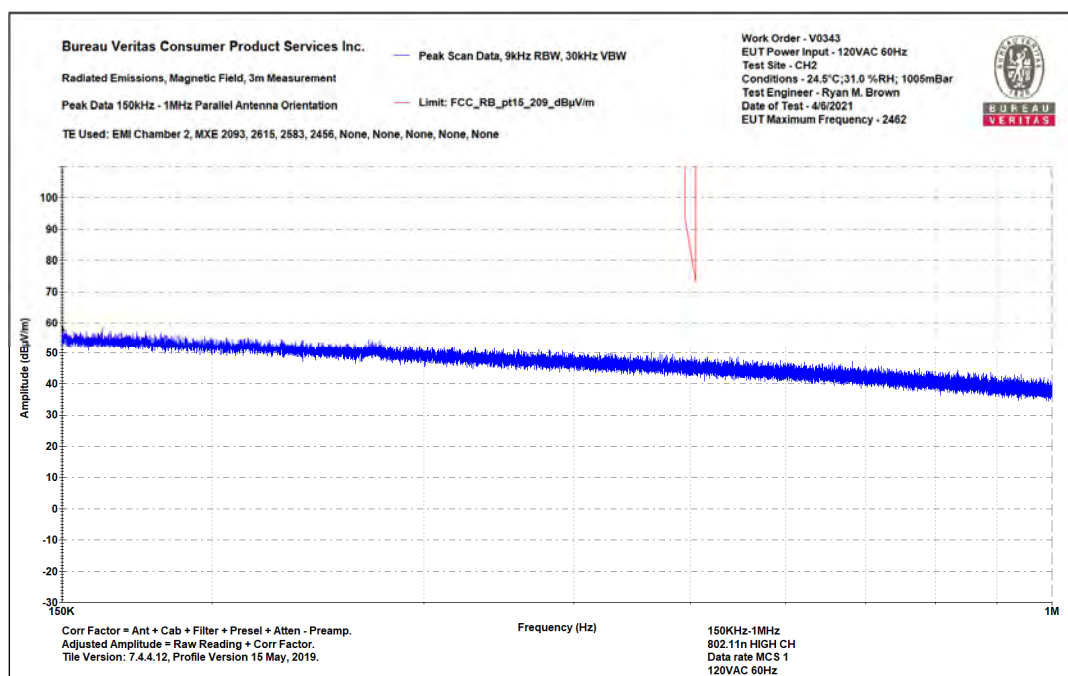
Conditions - 24.5°C;31.0 %RH; 1005mBar

Test Engineer - Ryan M. Brown

Date of Test - 4/6/2021

Frequency (MHz)	Raw Peak Reading (dBμV)	Correction Factor (dB/s)	Adjusted Peak Amplitude (dBμV/m)	Lim: FCC_pt15_20 9_dBμV/m (dBμV/m)	Peak Margin (dB)	Peak Test Results (Pass/Fail)	Worst Margin (dB)
0.5016	36.725	10.2	46.925	80	-33.075	PASS	
0.5048	34.19	10.2	44.39	73.5	-29.11	PASS	-19.11
0.49505	35.1	10.2	45.3	93.8	-48.5	PASS	

150 KHz – 1 MHz Parallel



150 KHz – 1 MHz Parallel

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

Notes:

802.11n HIGH CH

Data rate MCS 1

1 Fair-rite with 2 loops on Ethernet cable going to the Radio board,
and one fair-rite with the ethernet cable going straight through.

Work Order - V0343

EUT Power Input - 120VAC 60Hz

Test Site - CH2

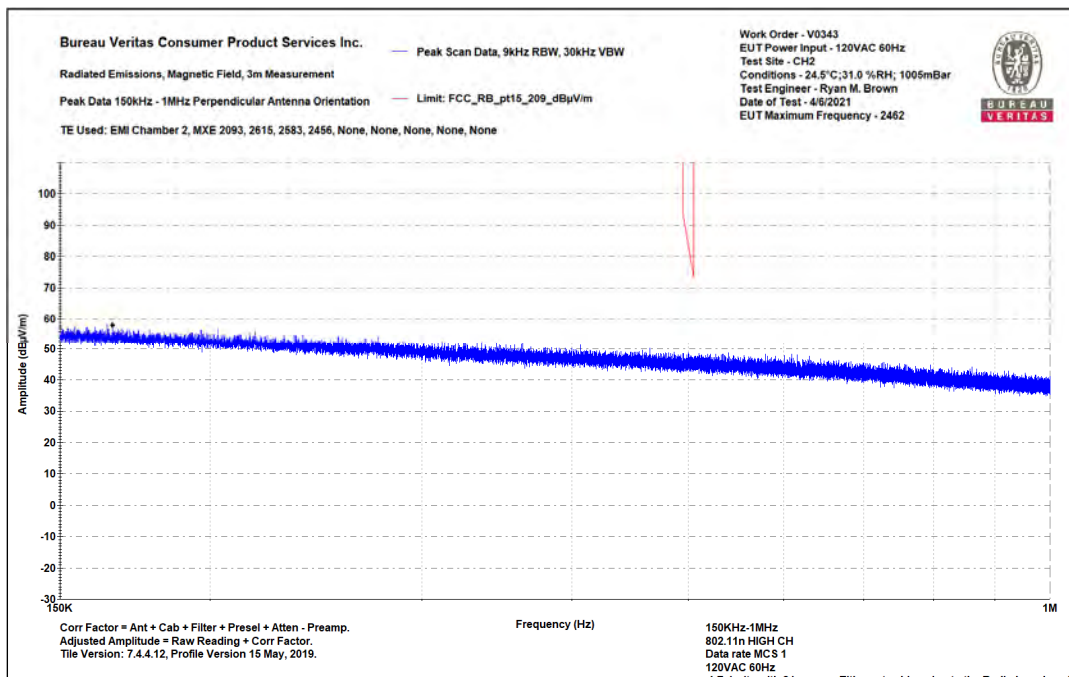
Conditions - 24.5°C;31.0 %RH; 1005mBar

Test Engineer - Ryan M. Brown

Date of Test - 4/6/2021

Frequency (MHz)	Raw Peak Reading (dBμV)	Correction Factor (dB/s)	Adjusted Peak Amplitude (dBμV/m)	Lim: FCC_pt15_20 9_dBμV/m (dBμV/m)	Peak Margin (dB)	Peak Test Results (Pass/Fail)	Worst Margin (dB)
0.49512	38.12	10.2	48.32	93	-44.68	PASS	
0.5014	34.85	10.2	45.05	80	-34.95	PASS	
0.50498	35.72	10.2	45.92	73.5	-27.58	PASS	-27.58

150 KHz – 1 MHz Perpendicular



150 KHz – 1 MHz Perpendicular

Bureau Veritas Consumer Product Services Inc.

Radiated Emissions Magnetic Field 3m Distance

Top Peaks Parallel 1-30MHz

Notes:

802.11n HIGH CH

Data rate MCS 1

1 Fair-rite with 2 loops on Ethernet cable going to the Radio board,
and one fair-rite with the ethernet cable going straight through.

Work Order - V0343

EUT Power Input - 120VAC 60Hz

Test Site - CH2

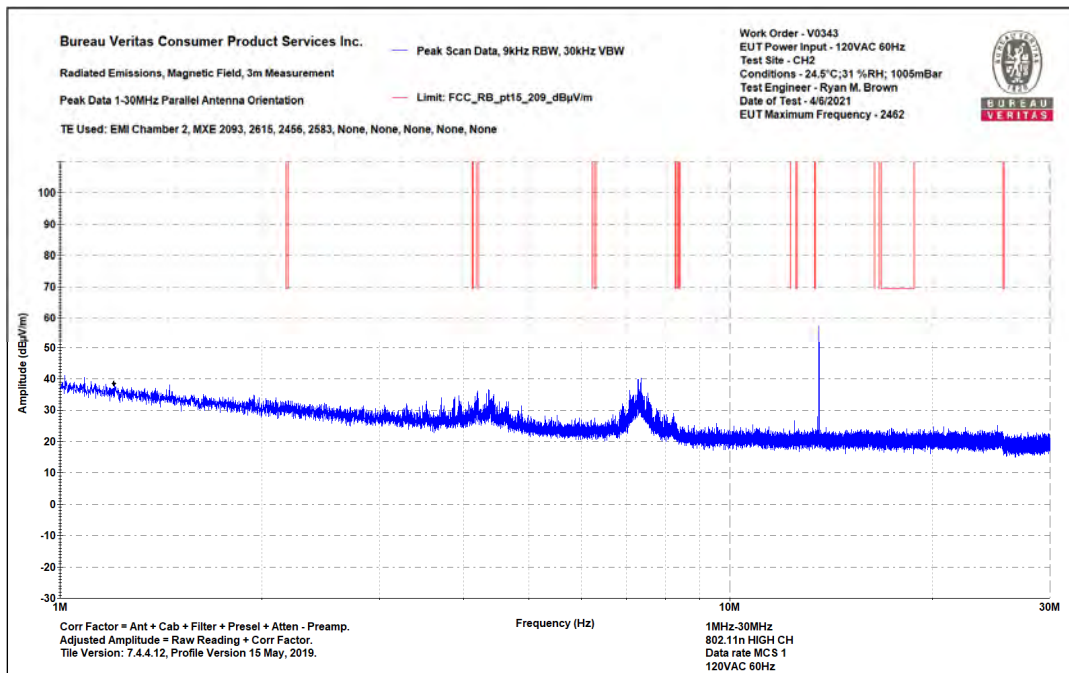
Conditions - 24.5°C; 31 %RH; 1005mBar

Test Engineer - Ryan M. Brown

Date of Test - 4/6/2021

Frequency (MHz)	Raw Peak Reading (dBμV)	Correction Factor (dB/s)	Adjusted Peak Amplitude (dBμV/m)	Lim: FCC_pt15_20 9_dBμV/m (dBμV/m)	Peak Margin (dB)	Peak Test Results (Pass/Fail)	Worst Margin (dB)
2.18465	21.1	10.5	31.6	69.5	-37.9	PASS	-37.9
20.85195	14.3	10.5	24.8	69.5	-44.7	PASS	
4.1262	19.8	10.6	30.4	69.5	-39.1	PASS	

1 MHz – 30MHz Parallel



1 MHz – 30MHz Parallel

Bureau Veritas Consumer Product Services Inc.

Radiated Emissions Magnetic Field 3m Distance

Top Peaks Perpendicular 1-30MHz

Notes:

802.11n HIGH CH

Data rate MCS 1

1 Fair-rite with 2 loops on Ethernet cable going to the Radio board,
and one fair-rite with the ethernet cable going straight through.

Work Order - V0343

EUT Power Input - 120VAC 60Hz

Test Site - CH2

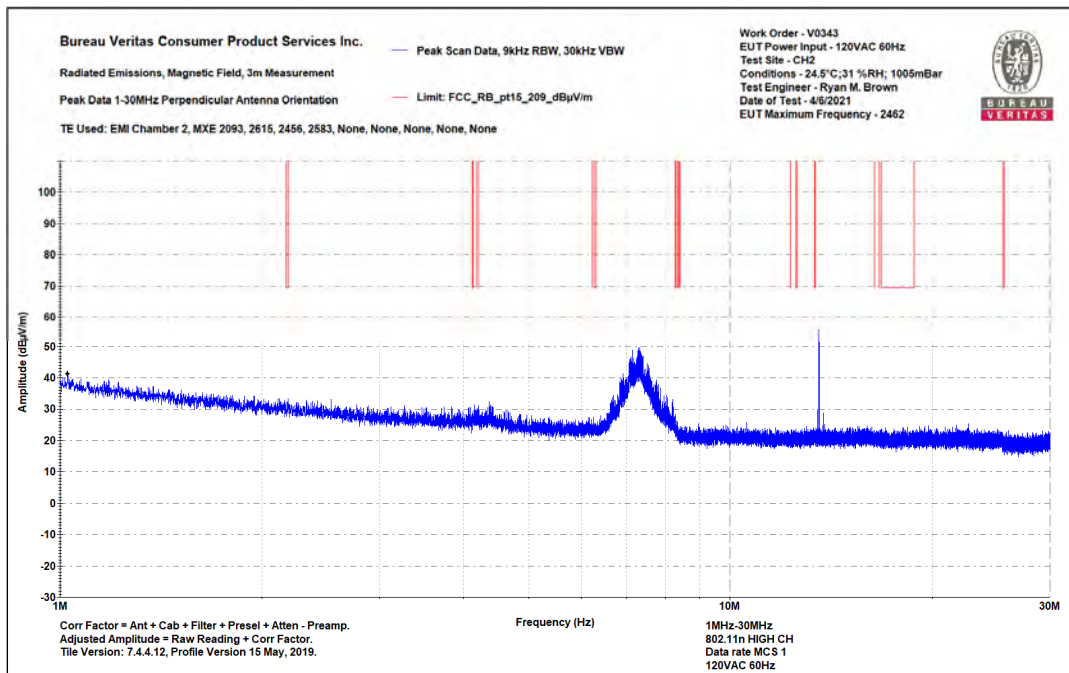
Conditions - 24.5°C;31 %RH; 1005mBar

Test Engineer - Ryan M. Brown

Date of Test - 4/6/2021

Frequency (MHz)	Raw Peak Reading (dBμV)	Correction Factor (dB/s)	Adjusted Peak Amplitude (dBμV/m)	Lim: FCC_pt15_20 9_dBμV/m (dBμV/m)	Peak Margin (dB)	Peak Test Results (Pass/Fail)	Worst Margin (dB)
8.291325	16.4	10.8	27.2	69.5	-42.3	PASS	
2.186825	22.8	10.5	33.3	69.5	-36.2	PASS	-36.2
4.12765	16.9	10.6	27.5	69.5	-42	PASS	

1 MHz – 30 MHz Perpendicular



1 MHz – 30 MHz Perpendicular

Bureau Veritas Consumer Product Services Inc.

Radiated Emissions Electric Field 3m Distance

30-1000MHz Vertical Data

Notes:

802.11n High CH

Data Rate: MCS 3

Added 1Ferrite with 2 loops on Ethernet cable close to the radio board and one fair-rite strait through on the ethernet cable

Work Order - V0343

EUT Power Input - 120VAC 60Hz

Test Site - CH 2

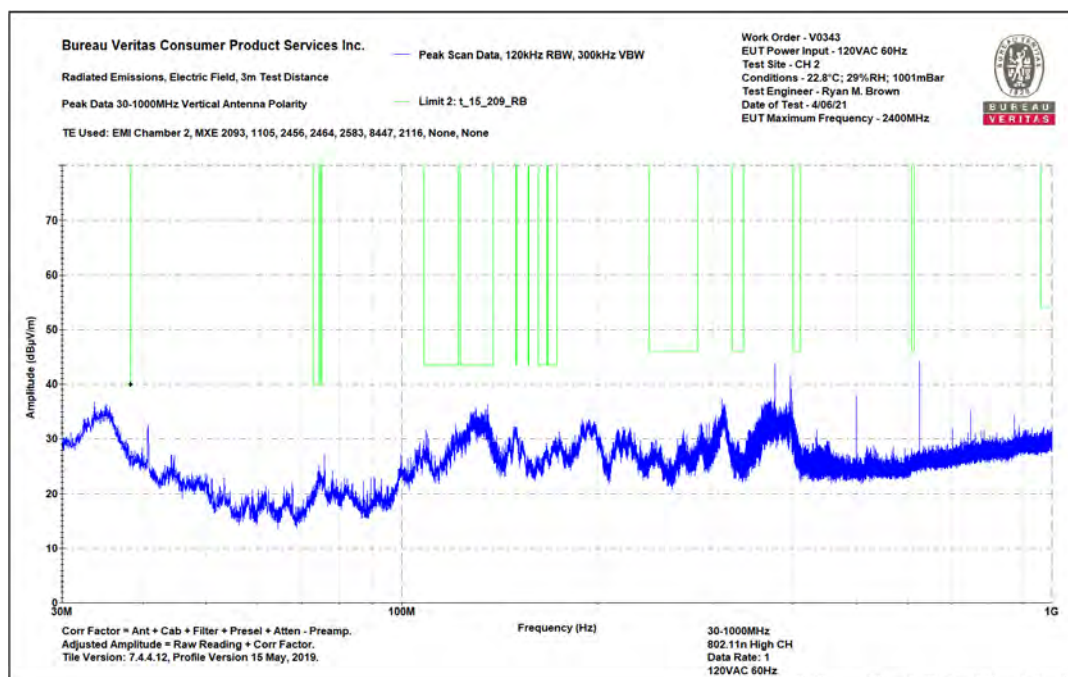
Conditions - 22.8°C; 29%RH; 1001mBar

Test Engineer - Ryan M. Brown

Date of Test - 4/05/21

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)
124.38	37.39	-1.7	35.69	43.5	-7.81	PASS		107	25
125.157	35.88	-0.4	35.471	43.5	-8.029	PASS		100	5
109.758	34.74	-1.1	33.611	43.5	-9.889	PASS		163	336
166.915	36.035	-0.4	35.666	43.5	-7.834	PASS		106	25
120.379	35.192	-1.3	33.922	43.5	-9.578	PASS		102	0
285.958	36.19	4.2	40.397	46	-5.603	PASS	-5.603	102	174

30 – 1000 MHz Vertical



30 – 1000 MHz Vertical

Bureau Veritas Consumer Product Services Inc.
Radiated Emissions Electric Field 3m Distance
30-1000MHz Horizontal Data

Notes:

802.11n High CH

Data Rate: MCS 3

Added 1Ferrite with 2 loops on Ethernet cable close to the radio board and one fair-rite strait through on the ethernet cable

Work Order - V0343

EUT Power Input - 120VAC 60Hz

Test Site - CH 2

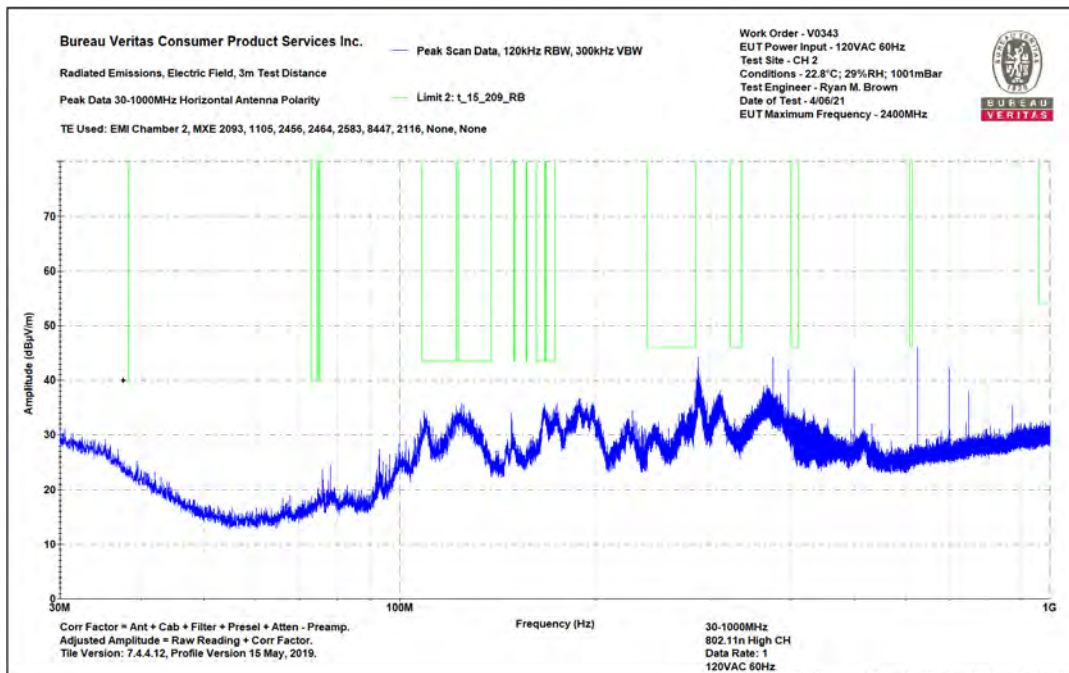
Conditions - 22.8°C; 29%RH; 1001mBar

Test Engineer - Ryan M. Brown

Date of Test - 4/05/21

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)
165.99	43.68	-8.7	34.96	43.5	-8.54	PASS		102	340
285.95	47.38	-7	40.39	46	-5.61	PASS	-5.61	102	25
122.12	42.23	-7	35.16	43.5	-8.34	PASS		133	20
125.15	42.46	-7	35.47	43.5	-8.03	PASS		100	0
124.38	42.67	-7	35.69	43.5	-7.81	PASS		100	312
172.29	43.99	-9.3	34.65	43.5	-8.85	PASS		100	37

30- 1000 MHz Horizontal



30- 1000 MHz Horizontal

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

Notes:

802.11n High CH

Data rate MCS 1

1 Fair-rite with 2 loops on Ethernet cable going to the Radio board,
and one fair-rite with the ethernet cable going strait through.

Work Order - V0343

EUT Power Input - 120VAC 50Hz

Test Site - CH2

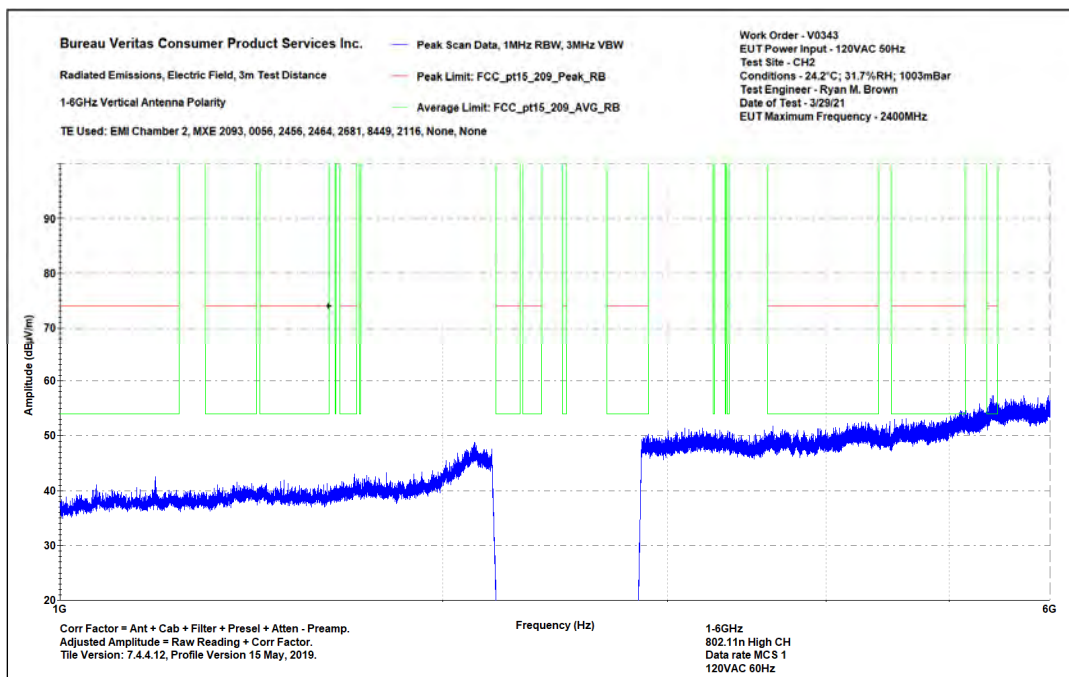
Conditions - 24.2°C; 31.7%RH; 1003mBar

Test Engineer - Ryan M. Brown

Date of Test - 3/29/21

Frequency (MHz)	Raw Peak Reading (dBμV)	Raw Avg Reading (dBμV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBμV/m)	Pk Lim: FCC_pt15_20 9_Peak (dBμV/m)	Peak Margin (dB)	Peak Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBμV/m)	Av Lim: FCC_pt15_20 9_Average (dBμV/m)	Avg Margin (dB)	Avg Results (Pass/Fail)	Worst Avg Margin (dB)
1188.1	49	37.4	-7	42	74	-32	PASS		30.5	54	-23.5	PASS	
3955.2	44.72	44.72	6.5	51.22	74	-22.78	PASS		51.22	54	-2.78	PASS	-2.78
5402.2	45.9	34.4	12.1	58	74	-16	PASS	-16	46.6	54	-7.4	PASS	

1 – 6 GHz Vertical



1 – 6 GHz Vertical

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

Notes:

802.11n High CH

Data rate MCS 1

1 Fair-rite with 2 loops on Ethernet cable going to the Radio board,
and one fair-rite with the ethernet cable going strait through.

Work Order - V0343

EUT Power Input - 120VAC 50Hz

Test Site - CH2

Conditions - 24.2°C; 31.7%RH; 1003mBar

Test Engineer - Ryan M. Brown

Date of Test - 3/29/21

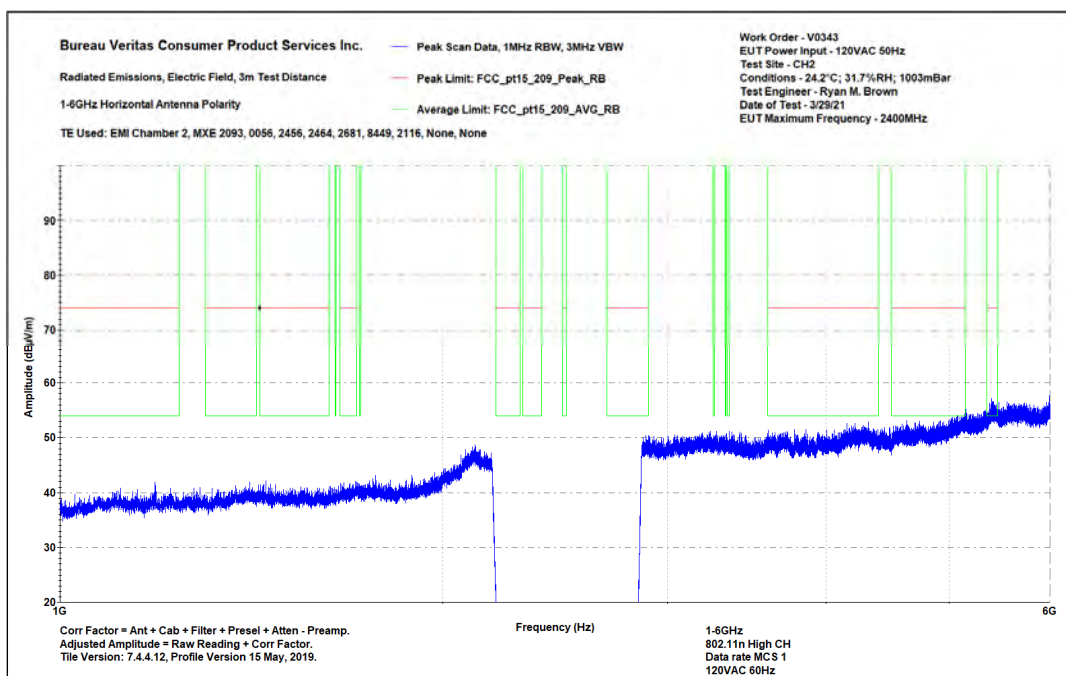
Frequency (MHz)	Raw Peak Reading (dBμV)	Raw Avg Reading (dBμV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBμV/m)	Pk Lim: FCC_pt15_20 9_Peak (dBμV/m)	Peak Margin (dB)	Peak Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBμV/m)	Av Lim: FCC_pt15_20 9_Average (dBμV/m)	Avg Margin (dB)	Avg Results (Pass/Fail)	Worst Average Margin (dB)
1189.9	44.9	36.1	-6.9	37.9	74	-36.1	PASS		29.2	54	-24.8	PASS	
4318.2	42.1	33.5	7.6	49.8	74	-24.2	PASS		41.1	54	-12.9	PASS	
3778.3	41.3	41.3	6.2	47.5	74	-26.5	PASS	-19	47.5	54	-6.5	PASS	-6.5

1 – 6 GHz Horizontal



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1 – 6 GHz Horizontal

Bureau Veritas Consumer Product Services Inc.
Radiated Emissions Electric Field 1m Distance
6-18GHz Vertical Data

Notes:

802.11g High CH

Data rate MCS 1

1 Fair-rite with 2 loops on Ethernet cable going to the Radio board,
and one fair-rite with the ethernet cable going straight through.

Work Order - V0343

EUT Power Input - 120VAC 50Hz

Test Site - CH2

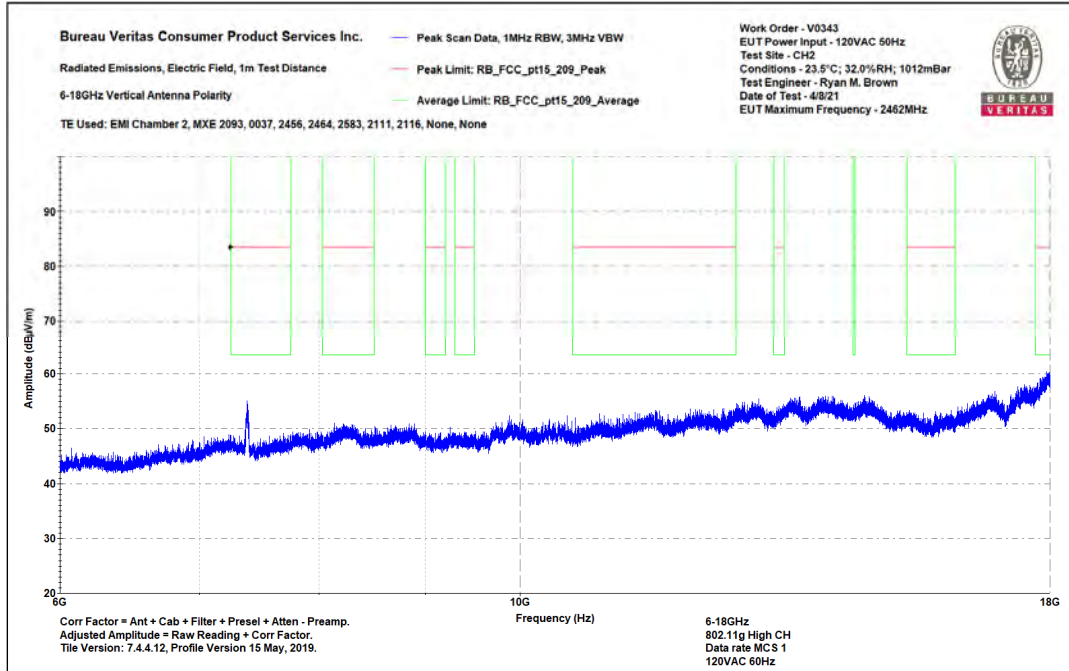
Conditions - 23.5°C; 32.0%RH; 1012mBar

Test Engineer - Ryan M. Brown

Date of Test - 4/8/21

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)
7382.5	50.2	40.9	0.9	51.1	83.5	-32.4	PASS		41.8	63.5	-21.7	PASS	
11614.8	48.8	48.8	4.6	53.4	83.5	-30.1	PASS		53.4	63.5	-10.1	PASS	-10.1
17939.6	43	33.4	14.4	57.5	83.5	-26	PASS	-26	47.8	63.5	-15.7	PASS	

6 – 18 GHz Vertical



6 – 18 GHz Vertical

Bureau Veritas Consumer Product Services Inc.
Radiated Emissions Electric Field 1m Distance
6-18GHz Horizontal Data

Notes:

802.11g High CH

Data rate MCS 1

1 Fair-rite with 2 loops on Ethernet cable going to the Radio board,
and one fair-rite with the ethernet cable going strait through.

Work Order - V0343

EUT Power Input - 120VAC 50Hz

Test Site - CH2

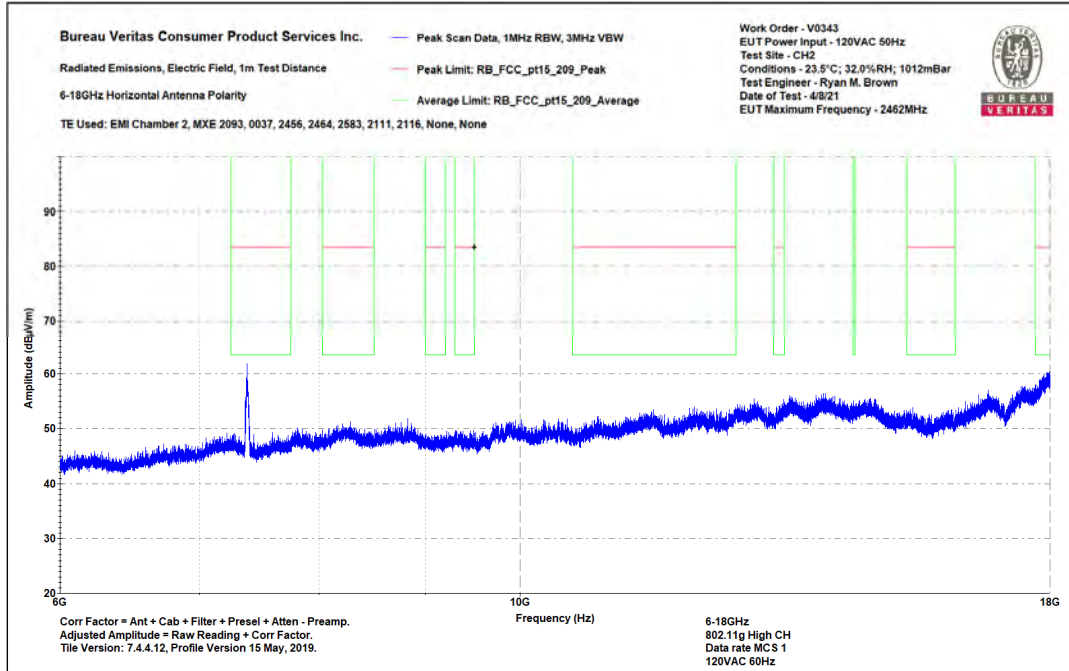
Conditions - 23.5°C; 32.0%RH; 1012mBar

Test Engineer - Ryan M. Brown

Date of Test - 4/8/21

Frequency (MHz)	Raw Peak Reading (dBμV)	Raw Avg Reading (dBμV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBμV/m)	Pk Lim: FCC_pt15_20 9_Peak (dBμV/m)	Peak Margin (dB)	Peak Test Results (Pass/Fail)	Worst Peak Margin (dB)	Adjusted Avg Amplitude (dBμV/m)	Av Lim: FCC_pt15_20 9_Average (dBμV/m)	Avg Margin (dB)	Avg Test Results (Pass/Fail)	Worst Avg Margin (dB)
7383.8	60.9	50.6	0.9	61.7	83.5	-21.8	PASS	-21.8	51.5	63.5	-12	PASS	
12130.5	48.9	48.9	5.1	54	83.5	-29.5	PASS		54	63.5	-9.5	PASS	-9.5
17979.4	42.9	33.3	14.3	57.2	83.5	-26.3	PASS		47.6	63.5	-15.9	PASS	

6 – 18 GHz Horizontal



6 – 18 GHz Horizontal

Radiated Emissions Table

Date: 10-Apr-21				Company: BEVI				Work Order: V0343																							
Engineer: Ryan M. Brown				EUT Desc: Standup Bevi, V2 product				EUT Operating Voltage/Frequency: 120VAC																							
Temp:				Humidity:				Pressure:																							
Frequency Range: 18-25GHz								Measurement Distance: 0.1 m																							
Notes: 802.11n Data Rate: MCS 1 High Ch								EUT Max Freq: 2462																							
Antenna Polarization (H / V)	Frequency (MHz)	Peak Reading (dBµV)	Average Reading (dBµV)	Preamp Factor (dB)	Antenna Factor (dB/m)	Cable Factor (dB)	Adjusted Peak Reading (dBµV/m)	Adjusted Avg Reading (dBµV/m)	FCC Class B High Frequency - Peak			FCC Class B High Frequency - Average																			
									Limit (dBµV/m)	Margin (dB)	Result (Pass/Fail)	Limit (dBµV/m)	Margin (dB)	Result (Pass/Fail)																	
No Emissions Found in this Range				---	---	---	---	---	---	---	---	---	---	---	---																
Table Result:				---				by				---				dB				Worst Freq:				---				MHz			
Test Site: EMI Chamber 2				Cable 1: Asset #2323				Cable 2: ---				Cable 3: ---																			
Analyzer: Rental SA#1				Preamp: 18-26.5GHz				Antenna: 18-26.5GHz Horn				Preselector: ---																			
CSsoft Radiated Emissions Calculator v 1.017.217																Copyright Curtis-Struss LLC 2000															
Adjusted Reading = Reading - Preamp Factor + Antenna Factor + Cable Factor																															

18 – 25 GHz



18 – 25 GHz

Multi Radio Transmission Spurious Emissions**Cellular Band 2, WIFI 802.11G MID CH Data Rate 18, & 13.56GHz RFID**

ERP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Analyzer:	MXE 1170725								
Antenna:	2615 (receiver); 0067 (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	200Hz								
VBW:	1.5KHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
Para	0.04707	-66	-42.4	0.07	-115.15	-157.62	-13	Pass	-144.62
Para	0.074216	-70.2	-45.1	0.17	-107.15	-152.42	-13	Pass	-139.42
Para	0.088164	-70.7	-46.5	0.02	-104.15	-150.67	-13	Pass	-137.67
Para	0.106308	-72.8	-47.8	0.02	-101.65	-149.47	-13	Pass	-136.47
Para	0.126968	-72.3	-47.6	0.02	-100.15	-147.77	-13	Pass	-134.77
Para	0.139548	-75.4	-49.7	0.03	-99.35	-149.08	-13	Pass	-136.08

9 – 150 KHz Parallel

ERP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Analyzer:	MXE 1170725								
Antenna:	2615 (receiver); 0067 (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	200Hz								
VBW:	1.5KHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
Perp	0.030224	-65.2	-37.4	0.12	-121.15	-158.67	-13	Pass	-145.67
Perp	0.063916	-68	-40.2	0.14	-109.15	-149.49	-13	Pass	-136.49
Perp	0.087921	-70.8	-40.9	0.02	-104.15	-145.07	-13	Pass	-132.07
Perp	0.112751	-73.3	-42.2	0.02	-101.15	-143.37	-13	Pass	-130.37
Perp	0.129065	-72.9	-41.9	0.03	-100.05	-141.98	-13	Pass	-128.98
Perp	0.148319	-74.8	-41.9	0.03	-98.85	-140.78	-13	Pass	-127.78

9 – 150 KHz Perpendicular



ERP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Analyzer:	MXE 1170725								
Antenna:	2615 (receiver); 0067 (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	9kHz								
VBW:	30KHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
Para	0.535	-68.4	-37.2	0.02	-92.45	-129.67	-13	Pass	-116.67
Para	0.6	-69.3	-35	0.02	-89.55	-124.57	-13	Pass	-111.57
Para	0.702	-70	-35.8	0.02	-83.25	-119.07	-13	Pass	-106.07
Para	0.82	-72.8	-36.1	0.02	-81.95	-118.07	-13	Pass	-105.07
Para	0.873	-73.7	-36.5	0.02	-81.45	-117.97	-13	Pass	-104.97
Para	0.994	-75.4	-38.2	0.02	-80.25	-118.47	-13	Pass	-105.47

150 KHz – 1 MHz Parallel

ERP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	2615 (receiver); 0067 (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	9kHz								
VBW:	30KHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
Perp	0.282	-62.1	-28.9	0.02	-105.15	-134.07	-13	Pass	-121.07
Perp	0.499	-68.1	-31.2	0.02	-94.45	-125.67	-13	Pass	-112.67
Perp	0.606	-69.4	-33.3	0.02	-89.45	-122.77	-13	Pass	-109.77
Perp	0.693	-70	-30.2	0.02	-88.35	-118.57	-13	Pass	-105.57
Perp	0.871	-73.5	-32.2	0.02	-84.45	-116.67	-13	Pass	-103.67
Perp	0.978	-75	-34.2	0.02	-80.45	-114.67	-13	Pass	-101.67

150 KHz – 1 MHz Perpendicular

ERP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	2615 (receiver); 0755 (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	9kHz								
VBW:	30KHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
Para	1.079	-77.1	-30.22	0.02	-88.35	-118.59	-13	Pass	-105.59
Para	2.132	-83.5	-35.26	0.02	-76.45	-111.73	-13	Pass	-98.73
Para	4.824	-78	-26.06	0.02	-61.4	-87.48	-13	Pass	-74.48
Para	6.937	-80.7	-27.68	0.13	-57.35	-85.16	-13	Pass	-72.16
Para	30	-94.6	-47.08	0.15	-38.95	-86.18	-13	Pass	-73.18

1 MHz – 30MHz Parallel

ERP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	2615 (receiver); 0755 (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	9kHz								
VBW:	30KHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
H	1.171	-78.4	-36.42	0.02	-87.65	-124.09	-13	Pass	-111.09
H	1.68	-82	-39.94	0.02	-84.55	-124.51	-13	Pass	-111.51
H	4.819	-81.1	-27.3	0.02	-61.4	-88.72	-13	Pass	-75.72
H	7.021	-69.5	-14.36	0.14	-56.25	-70.75	-13	Pass	-57.75
H	30	-94.2	-45.9	0.15	-38.95	-85	-13	Pass	-72.00

1 MHz – 30 MHz Perpendicular



ERP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	1105 (receiver); 1106 (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	120kHz								
VBW:	1MHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen. Reading	Cable Loss	Antenna Gain	Total Power	Limit	Result	Margin
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	
V	30.073	-56.5	-22.68	0.15	-30.55	-53.38	-13	Pass	-40.38
V	156.052	-46.8	-37.22	0.54	-6.85	-44.61	-13	Pass	-31.61
V	304.001	-50.9	-45.3	0.55	-2.35	-48.2	-13	Pass	-35.20
V	307.469	-51.1	-47.18	0.55	-2.35	-50.08	-13	Pass	-37.08
V	375.005	-51	-45.62	0.74	-2.35	-48.71	-13	Pass	-35.71
V	625.022	-55.8	-46.48	1.24	-1.85	-49.57	-13	Pass	-36.57

30 – 1000 MHz Vertical

ERP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	1105 (receiver); 1106 (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	120kHz								
VBW:	1MHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen. Reading	Cable Loss	Antenna Gain	Total Power	Limit	Result	Margin
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	
H	155.954	-46.4	-40.5	0.44	-6.95	-47.89	-13	Pass	-34.89
H	364.868	-52.5	-48.62	0.82	-2.45	-51.89	-13	Pass	-38.89
H	366.057	-52.9	-48.98	0.82	-2.45	-52.25	-13	Pass	-39.25
H	367.172	-52.4	-48.42	0.82	-2.45	-51.69	-13	Pass	-38.69
H	374.956	-52.4	-48.86	0.74	-2.35	-51.95	-13	Pass	-38.95
H	624.998	-52.3	-45.36	1.24	-1.85	-48.45	-13	Pass	-35.45

30- 1000 MHz Horizontal



EIRP									
Work Order: V0343									
Company: Bevi									
EUT: Standup Bevi V2									
Date: 7/9/2021									
Engineer: Ryan M. Brown									
Test Site CH 2									
Analyzer: MXE 1170725									
Antenna: Blue Horn (receiver); Black Horn (transmitter)									
Cable: 2583 2609									
Signal Source: Sweeper									
RBW: 1MHz									
VBW: 3MHz									
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
v	1892.25	-36.7	-34.9	1.98	7.948	-28.932	-13	Pass	-15.93
v	1956.38	-40.7	-36.72	2.07	7.824	-30.966	-13	Pass	-17.97
v	3760.25	-62.66	-54.62	3.22	9.376	-48.464	-13	Pass	-35.46
v	5637.75	-37.7	-26.18	4.04	11.147	-19.073	-13	Pass	-6.07
v	5651.12	-47.7	-37.42	4.04	11.147	-30.313	-13	Pass	-17.31

1 – 6 GHz Vertical

EIRP								
Work Order:	V0343							
Company:	Bevi							
EUT:	Standup Bevi V2							
Date:	7/9/2021							
Engineer:	Ryan M. Brown							
Test Site	CH 2							
Analyzer:	MXE 1170725							
Antenna:	Blue Horn (receiver); Black Horn (transmitter)							
Cable:	2583	2609						
Signal Source:	Sweeper							
RBW:	1MHz							
VBW:	3MHz							
Receiver Data w EUT			EUT Substituted with RF Source					
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)
H	1868	-33.4	-29.34	2.01	8	-23.35	-13	Pass
H	1892	-32.2	-28.96	2.01	7.948	-23.022	-13	Pass
H	1960.5	-26.9	-21.46	2.07	7.786	-15.744	-13	Pass
H	3759.88	-63.38	-54.65	3.22	9.379	-48.491	-13	Pass
H	5641.25	-55.8	-47.44	4.04	11.147	-40.333	-13	Pass

1 – 6 GHz Horizontal

EIRP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	Blue Horn (receiver); Black Horn (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	1MHz								
VBW:	3MHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
V	7520.1	-57.5	-39.34	5.19	10.149	-34.381	-13	Pass	-21.38
V	10530.6	-57.5	-50.74	5.38	11.824	-44.296	-13	Pass	-31.30
V	10584.3	-56.9	-51.24	5.38	11.741	-44.879	-13	Pass	-31.88
V	17942.7	-59.7	-41.02	7.03	8.75	-39.3	-13	Pass	-26.30

6 – 18 GHz Vertical

EIRP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	Blue Horn (receiver); Black Horn (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	1MHz								
VBW:	3MHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
H	10531.2	-56.8	-46.86	5.38	11.824	-40.416	-13	Pass	-27.42
H	10585.2	-55.8	-51.02	5.38	11.741	-44.659	-13	Pass	-31.66
H	12111.9	-59.5	-52.02	6.07	13.313	-44.777	-13	Pass	-31.78
H	17980.8	-58.8	-41.44	7.03	8.75	-39.72	-13	Pass	-26.72

6 – 18 GHz Horizontal



EIRP								
Work Order:	V0343							
Company:	Bevi							
EUT:	Standup Bevi V2							
Date:	7/9/2021							
Engineer:	Ryan M. Brown							
Test Site:	CH 2							
Analyzer:	MXE 1170725							
Antenna:	Blue Horn (receiver); Black Horn (transmitter)							
Cable:	2583 2609							
Signal Source:	Sweeper							
RBW:	1MHz							
VBW:	1MHz							
Receiver Data w EUT			EUT Substituted with RF Source					
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)
No Emission Found In this Range						---	-30	#VALUE!
						---	-30	#VALUE!
						---	-30	#VALUE!

18 – 25 GHz

Cellular Band 4, WIFI 802.11G MID CH Data Rate 18, & 13.56GHz RFID

ERP								
Work Order:	V0343							
Company:	Bevi							
EUT:	Standup Bevi V2							
Date:	7/9/2021							
Engineer:	Ryan M. Brown							
Test Site:	CH 2							
Analyzer:	MXE 1170725							
Antenna:	2615 (receiver); 0067 (transmitter)							
Cable:	2583 2609							
Signal Source:	Sweeper							
RBW:	200Hz							
VBW:	1.5KHz							
Receiver Data w EUT			EUT Substituted with RF Source					
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)
Para	0.0375	-65.1	-42.7	0.1	-119.15	-161.95	-13	Pass
Para	0.065019	-68.2	-44.1	0.14	-109.15	-153.39	-13	Pass
Para	0.089507	-69.4	-45.2	0.02	-104.15	-149.37	-13	Pass
Para	0.101827	-71.7	-46.6	0.02	-102.05	-148.67	-13	Pass
Para	0.112191	-71.8	-46.5	0.02	-101.25	-147.77	-13	Pass
Para	0.142753	-74.7	-43.7	0.03	-99.15	-142.88	-13	Pass

9 – 150 KHz Parallel

ERP								
Work Order:	V0343							
Company:	Bevi							
EUT:	Standup Bevi V2							
Date:	7/9/2021							
Engineer:	Ryan M. Brown							
Test Site	CH 2							
Analyzer:	MXE 1170725							
Antenna:	2615 (receiver); 0067 (transmitter)							
Cable:	2583 2609							
Signal Source:	Sweeper							
RBW:	200Hz							
VBW:	1.5KHz							
Receiver Data w EUT			EUT Substituted with RF Source					
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)
Perp	0.035127	-64.8	-37.6	0.12	-137.15	-174.87	-13	Pass
Perp	0.068876	-68.9	-42.1	0.14	-108.15	-150.39	-13	Pass
Perp	0.095348	-71.9	-42.7	0.02	-103.15	-145.87	-13	Pass
Perp	0.110009	-72.8	-42.8	0.02	-101.35	-144.17	-13	Pass
Perp	0.122054	-73	-44.2	0.02	-100.45	-144.67	-13	Pass
Perp	0.143532	-75.7	-44.4	0.03	-99.05	-143.48	-13	Pass

9 – 150 KHz Perpendicular

ERP								
Work Order:	V0343							
Company:	Bevi							
EUT:	Standup Bevi V2							
Date:	7/9/2021							
Engineer:	Ryan M. Brown							
Test Site	CH 2							
Analyzer:	MXE 1170725							
Antenna:	2615 (receiver); 0067 (transmitter)							
Cable:	2583 2609							
Signal Source:	Sweeper							
RBW:	9kHz							
VBW:	30KHz							
Receiver Data w EUT			EUT Substituted with RF Source					
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)
Para	0.538	-68.4	-38.5	0.02	-85.65	-124.17	-13	Pass
Para	0.645	-69.3	-36.6	0.02	-84.05	-120.67	-13	Pass
Para	0.723	-70.8	-33.2	0.02	-83.05	-116.27	-13	Pass
Para	0.8	-72.6	-37.1	0.02	-82.15	-119.27	-13	Pass
Para	0.972	-74.6	-36.9	0.02	-80.45	-117.37	-13	Pass
Para	0.996	-76.2	-38.9	0.02	-80.25	-119.17	-13	Pass

150 KHz – 1 MHz Parallel



ERP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	2615 (receiver); 0067 (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	9kHz								
VBW:	30kHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
Perp	0.54	-67.4	-28.6	0.02	-85.55	-114.17	-13	Pass	-101.17
Perp	0.651	-69.3	-31.9	0.02	-83.95	-115.87	-13	Pass	-102.87
Perp	0.71	-70.8	-29.7	0.02	-83.15	-112.87	-13	Pass	-99.87
Perp	0.764	-71.1	-28.7	0.02	-82.55	-111.27	-13	Pass	-98.27
Perp	0.827	-72.8	-33	0.02	-81.85	-114.87	-13	Pass	-101.87
Perp	0.899	-74.1	-34	0.02	-81.15	-115.17	-13	Pass	-102.17

150 KHz – 1 MHz Perpendicular

ERP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Analyzer:	MXE 1170725								
Antenna:	2615 (receiver); 0755 (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	9kHz								
VBW:	30kHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
Para	1.079	-77.1	-32.92	0.02	-88.35	-121.29	-13	Pass	-108.29
Para	2.132	-83.5	-32.96	0.02	-76.45	-109.43	-13	Pass	-96.43
Para	4.824	-78	-26.54	0.02	-63.55	-90.11	-13	Pass	-77.11
Para	6.937	-80.7	-27.8	0.13	-57.35	-85.28	-13	Pass	-72.28
Para	30	-94.6	-47.08	0.15	-38.95	-86.18	-13	Pass	-73.18

1 MHz – 30MHz Parallel

ERP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	2615 (receiver); 0755 (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	9kHz								
VBW:	30KHz								
Receiver Data w EUT			EUT Substituted with RF Source						Margin
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	
Perp	1.171	-78.4	-36.42	0.02	-87.65	-124.09	-13	Pass	-111.09
Perp	1.68	-82	-39.94	0.02	-84.55	-124.51	-13	Pass	-111.51
Perp	4.819	-81.1	-27.3	0.02	59.25	31.93	-13	Pass	44.93
Perp	7.021	-69.5	-14.36	0.14	-56.25	-70.75	-13	Pass	-57.75
Perp	30	-94.2	-45.9	0.15	-38.95	-85	-13	Pass	-72.00

1 MHz – 30 MHz Perpendicular

ERP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	1105 (receiver); 1106 (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	120kHz								
VBW:	1MHz								
Receiver Data w EUT			EUT Substituted with RF Source						Margin
Polarity	Frequency	Analyzer Reading	Signal gen. Reading	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	
V	30.291	-56.7	-23.26	0.13	-30.55	-53.94	-13	Pass	-40.94
V	156.149	-47.6	-38.06	0.44	-6.85	-45.35	-13	Pass	-32.35
V	296.993	-50.2	-46.48	0.89	-2.35	-49.72	-13	Pass	-36.72
V	374.981	-49.6	-44.12	0.74	-2.35	-47.21	-13	Pass	-34.21
V	395.933	-51.9	-46.24	0.81	-2.05	-49.1	-13	Pass	-36.10
V	624.998	-51.9	-52.2	1.24	-1.85	-55.29	-13	Pass	-42.29

30 – 1000 MHz Vertical



ERP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	1105 (receiver); 1106 (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	120kHz								
VBW:	1MHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen. Reading	Cable Loss	Antenna Gain	Total Power	Limit	Result	Margin
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	
H	155.979	-48.4	-42.8	0.44	-6.95	-50.19	-13	Pass	-37.19
H	168.079	-45.2	-42.22	0.54	-5.95	-48.71	-13	Pass	-35.71
H	297.065	-50.9	-48.22	0.89	-2.35	-51.46	-13	Pass	-38.46
H	375.005	-51	-47.48	0.74	-2.35	-50.57	-13	Pass	-37.57
H	500.014	-53.8	-48.8	1.19	-2.25	-52.24	-13	Pass	-39.24
H	624.998	-52.1	-45.2	1.24	-1.85	-48.29	-13	Pass	-35.29

30- 1000 MHz Horizontal

EIRP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	Blue Horn (receiver); Black Horn (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	1MHz								
VBW:	3MHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	Margin
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	
V	1721	-28.7	-25.06	2.01	8.468	-18.602	-13	Pass	-5.60
V	1752.38	-32.1	-25.82	2.01	8.423	-19.407	-13	Pass	-6.41
V	1771.25	-40.4	-32.94	2.01	8.435	-26.515	-13	Pass	-13.52
V	3459.75	-60.4	-58.26	2.98	9.915	-51.325	-13	Pass	-38.33
V	5195.63	-37.4	-28.88	3.97	10.706	-22.144	-13	Pass	-9.14

1 – 6 GHz Vertical

EIRP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	Blue Horn (receiver); Black Horn (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	1MHz								
VBW:	3MHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
H	1745.25	-36.6	26.82	2.01	8.405	33.215	-13		46.22
H	2132.88	-28.2	-22.6	2.47	8.857	-16.213	-13		-3.21
H	3465	-27.7	-21.94	3.03	9.915	-15.055	-13		-2.06
H	5198.5	-41.2	-31.74	3.97	10.706	-25.004	-13		-12.00
H	5208.75	-47.7	-40.08	3.97	10.655	-33.395	-13		-20.40

1 – 6 GHz Horizontal

EIRP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	Blue Horn (receiver); Black Horn (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	1MHz								
VBW:	3MHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
V	6930	-47	-34.48	3.95	10.307	-28.123	-13		-15.12
V	10531.2	-59.2	-52.76	5.38	12.475	-45.665	-13		-32.67
V	10583.7	-56.1	-51.48	5.38	12.165	-44.695	-13		-31.70
V	12023.1	-60.2	-54.3	6.07	13.109	-47.261	-13		-34.26
V	17891.4	-60	-43.1	7.03	9.099	-41.031	-13		-28.03

6 – 18 GHz Vertical



EIRP								
Work Order:	V0343							
Company:	Bevi							
EUT:	Standup Bevi V2							
Date:	7/9/2021							
Engineer:	Ryan M. Brown							
Test Site	CH 2							
Analyzer:	MXE 1170725							
Antenna:	Blue Horn (receiver); Black Horn (transmitter)							
Cable:	2583 2609							
Signal Source:	Sweeper							
RBW:	1MHz							
VBW:	3MHz							
Receiver Data w EUT			EUT Substituted with RF Source					
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)
H	6929.7	-56.9	-44.94	3.95	10.307	-38.583	-13	
H	10530.3	-58.6	-52.38	5.38	11.824	-45.936	-13	
H	10584	-57.2	-52.76	5.38	11.824	-46.316	-30	
H	12038.4	-60.3	-54.36	6.07	13.109	-47.321	-30	
H	17929.5	-60.5	-43.24	7.03	9.099	-41.171	-13	

6 – 18 GHz Horizontal

EIRP								
Work Order:	V0343							
Company:	Bevi							
EUT:	Standup Bevi V2							
Date:	7/9/2021							
Engineer:	Ryan M. Brown							
Test Site	CH 2							
Analyzer:	MXE 1170725							
Antenna:	Blue Horn (receiver); Black Horn (transmitter)							
Cable:	2583 2609							
Signal Source:	Sweeper							
RBW:	1MHz							
VBW:	3MHz							
Receiver Data w EUT			EUT Substituted with RF Source					
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)
No Emissions Found In this Range						---	-30	
						---	-30	
						---	-30	

18 – 25 GHz



Cellular Band 12, WIFI 802.11G MID CH Data Rate 18, & 13.56GHz RFID

ERP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	2615 (receiver); 0067 (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	200Hz								
VBW:	1.5KHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
Para	0.027852	-64.1	-42.8	0.12	-125.15	-168.07	-13	Pass	-155.07
Para	0.048536	-66.7	-44.2	0.07	-115.15	-159.42	-13	Pass	-146.42
Para	0.060444	-68.5	-42.8	0.16	-109.15	-152.11	-13	Pass	-139.11
Para	0.080124	-70.4	-46	0.04	-105.15	-151.19	-13	Pass	-138.19
Para	0.123968	-73.4	-48.1	0.02	-100.35	-148.47	-13	Pass	-135.47
Para	0.14761	-74.9	-49	0.03	-98.85	-147.88	-13	Pass	-134.88

9 – 150 KHz Parallel

ERP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	2615 (receiver); 0067 (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	200Hz								
VBW:	1.5KHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
Perp	0.03573	-65.1	-38.2	0.12	-120.15	-158.47	-13	Pass	-145.47
Perp	0.047567	-66.9	-38.1	0.07	-115.15	-153.32	-13	Pass	-140.32
Perp	0.058198	-67.8	-38.1	0.07	-112.15	-150.32	-13	Pass	-137.32
Perp	0.080134	-70.2	-42.9	0.04	-105.15	-148.09	-13	Pass	-135.09
Perp	0.110887	-72.9	-43	0.02	-101.35	-144.37	-13	Pass	-131.37
Perp	0.132431	-73.8	-43.1	0.03	-99.75	-142.88	-13	Pass	-129.88

9 – 150 KHz Perpendicular



ERP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	2615 (receiver); 0067 (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	9kHz								
VBW:	30KHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
Para	0.555	-68.1	-38	0.02	-85.35	-123.37	-13		-110.37
Para	0.624	-69.7	-33.1	0.02	-84.35	-117.47	-13		-104.47
Para	0.675	-70.7	-36.4	0.02	-83.65	-120.07	-13		-107.07
Para	0.743	-71.2	-36	0.02	-82.85	-118.87	-13		-105.87
Para	0.836	-72.7	-37.2	0.02	-81.75	-118.97	-13		-105.97
Para	0.887	-73.4	-37.4	0.02	-81.25	-118.67	-13		-105.67

150 KHz – 1 MHz Parallel

ERP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	2615 (receiver); 0067 (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	9kHz								
VBW:	30KHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
Perp	0.528	-67.6	-40	0.02	-85.75	-125.77	-13	Pass	-112.77
Perp	0.612	-69.2	-33.2	0.02	-84.45	-117.67	-13	Pass	-104.67
Perp	0.682	-69.9	-30.6	0.02	-83.55	-114.17	-13	Pass	-101.17
Perp	0.773	-72.2	-30.6	0.02	-82.45	-113.07	-13	Pass	-100.07
Perp	0.829	-72.3	-30.4	0.02	-81.85	-112.27	-13	Pass	-99.27
Perp	0.894	-73.6	-30.2	0.02	-81.15	-111.37	-13	Pass	-98.37

150 KHz – 1 MHz Perpendicular

ERP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	2615 (receiver); 0755 (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	9kHz								
VBW:	30KHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
Para	1.007	-74.9	-25.42	0.02	-88.95	-114.39	-13	Pass	-101.39
Para	1.686	-82.2	-35.74	0.02	-84.45	-120.21	-13	Pass	-107.21
Para	4.798	-78.9	-26.22	0.02	-63.65	-89.89	-13	Pass	-76.89
Para	6.941	-81.6	-29.6	0.13	-57.25	-86.98	-13	Pass	-73.98
Para	30	-94.7	-49.24	0.15	-38.95	-88.34	-13	Pass	-75.34

1 MHz – 30MHz Parallel

ERP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	2615 (receiver); 0755 (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	9kHz								
VBW:	30KHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
Perp	1.283	-77.9	-24.5	0.02	-86.85	-111.37	-13	Pass	-98.37
Perp	4.839	-81.9	-27.42	0.02	-63.55	-90.99	-13	Pass	-77.99
Perp	6.936	-70.3	-14.6	0.13	-57.35	-72.08	-13	Pass	-59.08
Perp	7.521	-81.3	-26.82	0.12	-55.65	-82.59	-13	Pass	-69.59
Perp	30	-94.1	-48.32	0.15	-38.95	-87.42	-13	Pass	-74.42

1 MHz – 30 MHz Perpendicular

ERP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	1105 (receiver); 1106 (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	120kHz								
VBW:	1MHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen. Reading	Cable Loss	Antenna Gain	Total Power	Limit	Result	Margin
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	
V	395.981	-45.6	-39.78	0.81	-2.05	-42.64	-13	Pass	-29.64
V	624.998	-51.4	-41.6	1.15	-1.85	-44.6	-13	Pass	-31.60
V	696.317	-41.2	-30.46	0.45	-1.75	-32.66	-13	Pass	-19.66
V	701.822	-40.2	-29.34	1.32	-1.75	-32.41	-13	Pass	-19.41
V	717.754	-39.9	-28.84	1.32	-1.75	-31.91	-13	Pass	-18.91

30 – 1000 MHz Vertical

ERP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	1105 (receiver); 1106 (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	120kHz								
VBW:	1MHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen. Reading	Cable Loss	Antenna Gain	Total Power	Limit	Result	Margin
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	
H	168.055	-46.2	-43.08	0.6	-5.95	-49.63	-13	Pass	-36.63
H	396.005	-48.1	-44.14	0.81	-2.05	-47	-13	Pass	-34.00
H	499.989	-53.9	-48.42	1.19	-2.25	-51.86	-13	Pass	-38.86
H	624.998	-52.1	-45.32	1.15	-1.85	-48.32	-13	Pass	-35.32
H	741.398	-48.5	-39.88	1.12	-1.75	-42.75	-13	Pass	-29.75

30- 1000 MHz Horizontal



EIRP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	Blue Horn (receiver); Black Horn (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	1MHz								
VBW:	3MHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	Margin
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	
V	1188.38	-52.8	-56.1	0.78	5.539	-51.341	-13	Pass	-38.34
V	1414.88	-49.9	-42.76	1.79	6.928	-37.622	-13	Pass	-24.62
V	1979.5	-56.7	-55.42	2.07	7.79	-49.7	-13	Pass	-36.70
V	2111.63	-55.5	-49.36	2.47	8.62	-43.21	-13	Pass	-30.21
V	2122.5	-48.2	-40.74	2.47	8.754	-34.456	-13	Pass	-21.46
V	5611.25	-60.5	-55.04	4.04	11.013	-48.067	-13	Pass	-35.07

1 – 6 GHz Vertical

EIRP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	Blue Horn (receiver); Black Horn (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	1MHz								
VBW:	3MHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	Margin
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	
H	1188.25	-47	-47.46	1.9	5.539	-43.821	-13	Pass	-30.82
H	1414.75	-51.5	-50.62	1.62	6.928	-45.312	-13	Pass	-32.31
H	1980.5	-57.7	-52.78	2.07	7.838	-47.012	-13	Pass	-34.01
H	2126	-51.8	-47.48	2.47	8.754	-41.196	-13	Pass	-28.20
H	4167.63	-60.2	-54.52	3.65	10.318	-47.852	-13	Pass	-34.85
H	5553.38	-60.7	-52.58	3.8	10.826	-45.554	-13	Pass	-32.55

1 – 6 GHz Horizontal

EIRP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	Blue Horn (receiver); Black Horn (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	1MHz								
VBW:	3MHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
v	10584.3	-56.1	-51.46	5.38	11.741	-45.099	-13	Pass	-32.10
v	12048	-60.8	-54.7	6.07	13.109	-47.661	-13	Pass	-34.66
v	17946	-60.6	-36.02	7.03	8.75	-34.3	-13	Pass	-21.30

6 – 18 GHz Vertical

EIRP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	Blue Horn (receiver); Black Horn (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	1MHz								
VBW:	3MHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
H	10530.6	-58.9	-52.74	5.38	11.824	-46.296	-13	Pass	-33.30
H	10585.2	-55.8	-51.08	5.38	11.741	-44.719	-13	Pass	-31.72
H	17794.2	-60.3	-42.86	7.03	9.211	-40.679	-13	Pass	-27.68

6 – 18 GHz Horizontal

ERP								
Work Order:	V0343							
Company:	Bevi							
EUT:	Standup Bevi V2							
Date:	7/9/2021							
Engineer:	Ryan M. Brown							
Test Site	CH 2							
Analyzer:	MXE 1170725							
Antenna:	Blue Horn (receiver); Black Horn (transmitter)							
Cable:	2583 2609							
Signal Source:	Sweeper							
RBW:	1MHz							
VBW:	3MHz							
Receiver Data w EUT			EUT Substituted with RF Source					
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)
No Emissions Found In this Range						---	-13	
						---	-13	
						---	-13	

18 – 25 GHz

Cellular Band 5, WIFI 802.11G MID CH Data Rate 18, & 13.56GHz RFID

ERP								
Work Order:	V0343							
Company:	Bevi							
EUT:	Standup Bevi V2							
Date:	7/9/2021							
Engineer:	Ryan M. Brown							
Test Site	CH 2							
Analyzer:	MXE 1170725							
Antenna:	2615 (receiver); 0067 (transmitter)							
Cable:	2583 2609							
Signal Source:	Sweeper							
RBW:	200Hz							
VBW:	1.5KHz							
Receiver Data w EUT			EUT Substituted with RF Source					
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)
Para	0.038194	-65.96	-49	0.11	-119.15	-168.26	-13	Pass
Para	0.077995	-69.4	-48.1	0.28	-106.15	-154.53	-13	Pass
Para	0.089578	-68.3	-41.7	0.02	-104.15	-145.87	-13	Pass
Para	0.101894	-72.3	-46.8	0.02	-102.05	-148.87	-13	Pass
Para	0.11223	-69.7	-43.1	0.02	-101.25	-144.37	-13	Pass
Para	0.134578	-72.3	-47.8	0.03	-99.65	-147.48	-13	Pass

9 – 150 KHz Parallel



ERP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	2615 (receiver); 0067 (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	200Hz								
VBW:	1.5KHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
Perp	0.046562	-66.6	-41	0.1	-115.15	-156.25	-13	Pass	-143.25
Perp	0.063518	-69.1	-42.9	0.14	-109.15	-152.19	-13	Pass	-139.19
Perp	0.088972	-70.7	-42.9	0.02	-104.15	-147.07	-13	Pass	-134.07
Perp	0.100742	-71.9	-44.6	0.02	-102.15	-146.77	-13	Pass	-133.77
Perp	0.11083	-72.7	-43	0.02	-101.35	-144.37	-13	Pass	-131.37
Perp	0.130204	-74.5	-44.3	0.03	-97.8	-142.13	-13	Pass	-129.13

9 – 150 KHz Perpendicular

ERP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	2615 (receiver); 0755 (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	9kHz								
VBW:	30KHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
Para	0.328	-64.2	-34.2	0.02	-90.25	-124.47	-13	Pass	-111.47
Para	0.524	-68.4	-35	0.02	-85.85	-120.87	-13	Pass	-107.87
Para	0.591	-68.8	-35.3	0.02	-84.75	-120.07	-13	Pass	-107.07
Para	0.698	-71.3	-37.6	0.02	-83.35	-120.97	-13	Pass	-107.97
Para	0.834	-73.1	-38.2	0.02	-81.85	-120.07	-13	Pass	-107.07
Para	0.954	-74.8	-38.5	0.02	-80.65	-119.17	-13	Pass	-106.17

150 KHz – 1 MHz Parallel

ERP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	2615 (receiver); 0755 (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	9kHz								
VBW:	30KHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
Perp	0.579	-68.3	-42.5	0.02	-84.95	-127.47	-13	Pass	-114.47
Perp	0.638	-70.2	-33.5	0.02	-84.15	-117.67	-13	Pass	-104.67
Perp	0.69	-71.2	-31.5	0.02	-83.45	-114.97	-13	Pass	-101.97
Perp	0.782	-72.4	-31.2	0.02	-82.35	-113.57	-13	Pass	-100.57
Perp	0.852	-73.4	-32.4	0.02	-81.65	-114.07	-13	Pass	-101.07
Perp	0.907	-74.7	-35.2	0.02	-81.05	-116.27	-13	Pass	-103.27

150 KHz – 1 MHz Perpendicular

ERP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	2615 (receiver); 0755 (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	9kHz								
VBW:	30KHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
Para	1	-76.5	-32.76	0.02	-89.05	-121.83	-13	Pass	-108.83
Para	1.384	-80.1	-34.3	0.02	-86.25	-120.57	-13	Pass	-107.57
Para	28.18	-71.9	-19.4	0.19	-40.45	-60.04	-13	Pass	-47.04
Para	28.736	-76.8	-26.48	0.19	-40.45	-67.12	-13	Pass	-54.12
Para	30	-94	-49.24	0.15	-38.95	-88.34	-13	Pass	-75.34

1 MHz – 30MHz Parallel

ERP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	2615 (receiver); 0755 (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	9kHz								
VBW:	30kHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
Perp	1.024	-76.7	-31.34	0.02	-88.85	-120.21	-13	Pass	-107.21
Perp	1.688	-81.2	-34.64	0.02	-82.3	-116.96	-13	Pass	-103.96
Perp	7.123	-75.4	-20.44	0.14	-56.15	-76.73	-13	Pass	-63.73
Perp	28.085	-73	-21.38	0.19	-40.45	-62.02	-13	Pass	-49.02
Perp	30	-92	-44.88	0.15	-38.95	-83.98	-13	Pass	-70.98

1 MHz – 30 MHz Perpendicular

ERP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Analyzer:	MXE 1170725								
Antenna:	1105 (receiver); 1106 (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	120kHz								
VBW:	1MHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen. Reading	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
v	33.419	-44.8	-16.98	0.14	-27.45	-44.57	-13	Pass	-31.57
v	40.694	-36.5	-20.58	0.23	-20.75	-41.56	-13	Pass	-28.56
v	48.139	-35.1	-30.08	0.21	-13.85	-44.14	-13	Pass	-31.14
v	50.637	-37.6	-34.66	0.18	-12.65	-47.49	-13	Pass	-34.49
v	871.135	-50.9	-36.46	1.62	-1.75	-39.83	-13	Pass	-26.83
v	872.615	-51	-36.9	1.62	-1.75	-40.27	-13	Pass	-27.27

30 – 1000 MHz Vertical

ERP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Analyzer:	MXE 1170725								
Antenna:	1105 (receiver); 1106 (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	120kHz								
VBW:	1MHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen. Reading	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
H	167.886	-52.9	-49.26	0.54	-6.05	-55.85	-13	Pass	-42.85
H	189.298	-52.9	-50.68	0.64	-4.35	-55.67	-13	Pass	-42.67
H	374.981	-57.6	-54.64	0.74	-2.35	-57.73	-13	Pass	-44.73
H	395.933	-58.5	-55.22	0.81	-2.05	-58.08	-13	Pass	-45.08
H	624.998	-51.4	-44.38	1.15	-1.85	-47.38	-13	Pass	-34.38
H	872.445	-49.7	-38.38	1.62	-1.75	-41.75	-13	Pass	-28.75

30- 1000 MHz Horizontal

EIRP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	Blue Horn (receiver); Black Horn (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	1MHz								
VBW:	3MHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
V	1188.13	-56.7	-55.04	1.9	5.539	-51.401	-13	Pass	-38.40
V	1365.38	-58.9	-57.42	1.95	6.647	-52.723	-13	Pass	-39.72
V	2074.88	-59.2	-59.46	2.13	8.163	-53.427	-13	Pass	-40.43
V	3330	-59.6	-60.26	2.98	9.411	-53.829	-13	Pass	-40.83
V	5706.5	-60.5	-56.92	4.04	11.265	-49.695	-13	Pass	-36.70

1 – 6 GHz Vertical



<i>EIRP</i>									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	Blue Horn (receiver); Black Horn (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	1MHz								
VBW:	3MHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
H	1188.13	-51.3	-52.6	1.9	5.539	-48.961	-13	Pass	-35.96
H	1375.25	-57.8	-58.36	1.95	6.709	-53.601	-13	Pass	-40.60
H	1875.13	-53.7	-49.82	1.98	7.912	-43.888	-13	Pass	-30.89
H	2139.63	-59.7	-58.7	2.13	8.857	-51.973	-13	Pass	-38.97
H	3025.75	-60	-55.88	2.5	9.25	-49.13	-13	Pass	-36.13
H	5991.38	-61.6	-53.02	4.02	11.343	-45.697	-13	Pass	-32.70

1 – 6 GHz Horizontal

<i>EIRP</i>									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	Blue Horn (receiver); Black Horn (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	1MHz								
VBW:	3MHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	
V	7312.6	-62.7	-43.1	4.8	9.593	-38.307	-13	Pass	
V	10531.2	-58.8	-51.98	5.38	11.741	-45.619	-13	Pass	
V	10582.7	-55.8	-50.22	5.38	11.741	-43.859	-13	Pass	
V	11959.7	-63.3	-58.06	5.74	12.724	-51.076	-13	Pass	
V	17952.1	-63.6	-40.14	7.03	8.75	-38.42	-13	Pass	

6 – 18 GHz Vertical



EIRP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Analyzer:	MXE 1170725								
Antenna:	Blue Horn (receiver); Black Horn (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	1MHz								
VBW:	3MHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
H	7312.8	-51.1	-27.98	4.8	9.593	-23.187	-13	Pass	-10.19
H	10530.9	-58.3	-52.16	5.38	11.878	-45.662	-13	Pass	-32.66
H	10583.4	-55.6	-51	5.38	11.878	-44.502	-13	Pass	-31.50
H	12163.5	-59.8	-53.92	6.07	12.958	-47.032	-13	Pass	-34.03
H	17983.2	-59.6	-41.22	7.03	8.75	-39.5	-13	Pass	-26.50

6 – 18 GHz Horizontal

EIRP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	Blue Horn (receiver); Black Horn (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	1MHz								
VBW:	3MHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
No Emissions Found In this Range						---	-13		#VALUE!
						---	-13		#VALUE!
						---	-13		#VALUE!

18 – 25 GHz

Spot Check after modification

ERP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	2615 (receiver); 0067 (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	200Hz								
VBW:	1.5KHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
Para	0.08956	-68.03	-43.1	0.02	-104.15	-147.27	-13	Pass	-134.27
Para	0.01268	-60.709	-30.7	0	-136.15	-166.85	-13	Pass	-153.85
Para	0.0353	-63.192	-42.8	0.12	-120.15	-163.07	-13	Pass	-150.07

9 – 150 KHz Parallel

ERP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Analyzer:	MXE 1170725								
Antenna:	2615 (receiver); 0067 (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	200Hz								
VBW:	1.5KHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
Perp	0.01084	-60.57	-27.6	0	-137.15	-164.75	-13	Pass	-151.75
Perp	0.0446	-64.73	-35.3	0.1	-115.15	-150.55	-13	Pass	-137.55
Perp	0.11918	-70.64	-41	0.02	-100.75	-141.77	-13	Pass	-128.77

9 – 150 KHz Perpendicular

ERP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	2615 (receiver); 0067 (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	9kHz								
VBW:	30KHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
Para	0.15735	-57.86	-34.9	0.03	-98.25	-133.18	-13	Pass	-120.18
Para	0.39474	-64.95	-34.4	0.02	-88.55	-122.97	-13	Pass	-109.97
Para	0.72588	-69.85	-33.3	0.02	-83.05	-116.37	-13	Pass	-103.37

150 KHz – 1 MHz Parallel

EIRP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	2615 (receiver); 0067 (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	9kHz								
VBW:	30KHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
Perp	0.15994	-57.125	-24.5	0.02	-98.15	-122.67	-13	Pass	-109.67
Perp	0.21266	-59.22	-29.5	0.03	-94.55	-124.08	-13	Pass	-111.08
Perp	0.64907	-69.31	-29.1	0.02	-83.95	-113.07	-13	Pass	-100.07

150 KHz – 1 MHz Perpendicular

ERP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Analyzer:	MXE 1170725								
Antenna:	2615 (receiver); 0755 (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	9kHz								
VBW:	30KHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
Para	7.174	-73.22	-19.78	0.14	-56.15	-76.07	-13	Pass	-63.07
Para	9.412	-79.37	-26.6	0.15	-52.85	-79.6	-13	Pass	-66.60

1 MHz – 30MHz Parallel

ERP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Analyzer:	MXE 1170725								
Antenna:	2615 (receiver); 0755 (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	9kHz								
VBW:	30KHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
Perp	7.121	-64.401	-8.64	0.14	-56.15	-64.93	-13	Pass	-51.93
Perp	9.456	-77.385	-22.02	0.15	-52.85	-75.02	-13	Pass	-62.02

1 MHz – 30 MHz Perpendicular

ERP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	1105 (receiver); 1106 (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	120kHz								
VBW:	1MHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen. Reading	Cable Loss	Antenna Gain	Total Power	Limit	Result	Margin
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	
V	625	-56.39	-46.88	1.24	-1.85	-49.97	-13	Pass	-36.97
V	396.03	-48.88	-42.92	0.81	-2.05	-45.78	-13	Pass	-32.78
V	167.98	-49.86	-42.02	0.54	-6.05	-48.61	-13	Pass	-35.61
V	699.83	-50.21	-39.26	-0.45	-1.75	-40.56	-13	Pass	-27.56
V	375	-50.31	-44.9	0.74	-2.35	-47.99	-13	Pass	-34.99
V	58.05	-50.5	-48.76	0.32	-10.55	-59.63	-13	Pass	-46.63

30 – 1000 MHz Vertical

ERP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	1105 (receiver); 1106 (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	120kHz								
VBW:	1MHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen. Reading	Cable Loss	Antenna Gain	Total Power	Limit	Result	Margin
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	
H	266.7	-44.2	-40.98	0.54	-2.85	-44.37	-13	Pass	-31.37
H	70.32	-47.08	-43.3	0.48	-9.55	-53.33	-13	Pass	-40.33
H	179.96	-47.29	-45.24	0.53	-4.55	-50.32	-13	Pass	-37.32
H	71	-47.76	-44.28	0.47	-9.45	-54.2	-13	Pass	-41.20
H	168.1	-47.8	-44.28	0.54	-5.95	-50.77	-13	Pass	-37.77
H	72.5	-49.22	-45.78	0.47	-9.25	-55.5	-13	Pass	-42.50

30- 1000 MHz Horizontal

EIRP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	Blue Horn (receiver); Black Horn (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	1MHz								
VBW:	3MHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
v	3470	-62.23	-64.52	2.98	10.06	-57.44	-13	Fail	-44.44
v	5196	-34.04	-24.08	3.97	10.706	-17.344	-13	Pass	-4.34
v	2130	-41.04	-37.76	2.47	8.857	-31.373	-13	Pass	-18.37
v	2635	-46.42	-40.08	2.63	9.556	-33.154	-13	Pass	-20.15
v	1897	-49.89	-48.74	1.98	7.999	-42.721	-13	Pass	-29.72
v	1189	-52.1	-57.26	1.93	5.539	-53.651	-13	Pass	-40.65

1 – 6 GHz Vertical

ERP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	Blue Horn (receiver); Black Horn (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	1MHz								
VBW:	3MHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
H	2129	-28.77	-22.62	2.47	8.857	-16.233	-13	Pass	-3.23
H	3465	-29.87	-25.34	2.98	10.06	-18.26	-13	Pass	-5.26
H	5197	-39.41	-30.76	3.97	10.706	-24.024	-13	Pass	-11.02
H	2402	-42.72	-39.02	2.46	9.426	-32.054	-13	Pass	-19.05
H	1188	-49.41	-50.5	1.93	5.058	-47.372	-13	Pass	-34.37
H	1872	-49.45	-46.02	1.98	7.912	-40.088	-13	Pass	-27.09

1 – 6 GHz Horizontal



EIRP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Test Site	CH 2								
Analyzer:	MXE 1170725								
Antenna:	Blue Horn (receiver); Black Horn (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	1MHz								
VBW:	3MHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
v	6930.3	-47.54	-34.6	4.54	11.525	-27.615	-13	Pass	-14.62
v	7306.8	-56.98	-35.56	4.73	10.893	-29.397	-13	Pass	-16.40
v	16490.7	-56.99	-40.9	7.05	16.052	-31.898	-13	Pass	-18.90

6 – 18 GHz Vertical

ERP									
Work Order:	V0343								
Company:	Bevi								
EUT:	Standup Bevi V2								
Date:	7/9/2021								
Engineer:	Ryan M. Brown								
Analyzer:	MXE 1170725								
Antenna:	Blue Horn (receiver); Black Horn (transmitter)								
Cable:	2583 2609								
Signal Source:	Sweeper								
RBW:	1MHz								
VBW:	3MHz								
Receiver Data w EUT			EUT Substituted with RF Source						
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result	
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)	Margin
H	6927.6	-38.52	-25.58	4.54	11.525	-18.595	-13	Pass	-5.60
H	10393.8	-41.54	-35.76	5.61	12.132	-29.238	-13	Pass	-16.24
H	8665.5	-47.27	-43.9	4.76	11.602	-37.058	-13	Pass	-24.06

6 – 18 GHz Horizontal

ERP								
Work Order:	V0343							
Company:	Bevi							
EUT:	Standup Bevi V2							
Date:	7/9/2021							
Engineer:	Ryan M. Brown							
Test Site	CH 2							
Analyzer:	MXE 1170725							
Antenna:	Blue Horn (receiver); Black Horn (transmitter)							
Cable:	2583 2609							
Signal Source:	Sweeper							
RBW:	1MHz							
VBW:	3MHz							
Receiver Data w EUT			EUT Substituted with RF Source					
Polarity	Frequency	Analyzer Reading	Signal gen.	Cable Loss	Antenna Gain	Total Power	Limit	Result
(V/H)	(MHz)	(dBm)	(dBm)	(dB)	(dB)	(dBm)	(dBm)	(Pass/Fail)
No Emissions Found In this Range						---	-13	
						---	-13	
						---	-13	

18 – 25 GHz

Test Equipment Used

Rev. 6/9/2021

Spectrum Analyzers / Receivers /Preselectors		Range	MN	Mfr	SN	Asset	Cat	Calibration Due	Calibrated on
Gold		100Hz-26.5 GHz	E4407B	Agilent	MY45113816	1284	I	12/2/2021	12/2/2020
2093 MXE EMI Receiver		20Hz-26.5GHz	N9038A	Agilent	MY51210181	2093	I	1/14/2022	1/14/2021
Rental MXE EMI Receiver(1170725)		20Hz-26.5GHz	N9038A	Agilent	MY51210151	1170725	I	12/7/2021	12/7/2020
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
EMI Chamber 2		719150	2762A-7	A-0015	1-18GHz	1686	I	12/8/2022	12/8/2020
Preamps /Couplers Attenuators / Filters		Range	MN	Mfr	SN	Asset	Cat	Calibration Due	Calibrated on
2111 HF Preamp		0.5-18GHz	PAM-118A	COM-POWER	551063	2111	II	10/11/2021	10/11/2020
8449B HF Preamp		1-18GHz	8449B	Agilent	1149055		II	11/8/2021	11/8/2020
8447F Rental PA		9KHz-1.3GHz	84477F	HP	3113A05395		II	10/11/2021	10/11/2020
HF (Yellow)		18-26.5GHz	AFS4-18002650-60-8P-4	CS	467559	1266	II	10/18/2021	10/18/2020
2116 BRF		0.009-18000MHz	BRM50702	Micro-Tronics	G226	2116	II	11/7/2021	11/7/2020
Antennas		Range	MN	Mfr	SN	Asset	Cat	Calibration Due	Calibrated on
Red-White Bilog		30-2000MHz	JB1	Sunol	A091604-1	1105	I	9/11/2021	9/11/2019
Red-Black Bilog		30-2000MHz	JB1	Sunol	A091604-2	1106	I	5/26/2021	4/26/2019
Yellow Horn		1-18GHz	3115	EMCO	9608-4898	37	I	10/20/2022	10/20/2020
Black Horn		1-18GHz	3115	EMCO	9703-5148	56	I	10/28/2022	10/28/2020
HF (White) Horn		18-26.5GHz	801-WLWM	Waveline	758	758	III	Verify before Use	date of test
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	8/25/2022	8/25/2020
Large Loop		20Hz-5MHz	6511	EMCO	9704-1154	67	I	8/21/2022	8/21/2020
2615 Active Loop Antenna		9KHz-30MHz	6502	EMCO	2049	2615	I	11/23/2022	11/23/2020
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 #2657			1235C97	Control Company	200435391	2657	I	8/3/2022	8/3/2020
Cables		Range		Mfr			Cat	Calibration Due	Calibrated on
Asset #2456		9KHz-18GHz		MegaPhase			II	11/7/2021	11/7/2020
Asset #2464		9KHz-18GHz		MegaPhase			II	11/7/2021	11/7/2020
Asset #2609		9KHz-18GHz		Pasternack			II	2/21/2022	2/21/2021
Asset #2583		9KHz-18GHz		Pasternack			II	2/21/2022	2/21/2021
Asset #2681		9KHz-18GHz		Pasternack			II	1/17/2022	1/17/2021

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

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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

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



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Conducted Spurious Emissions

Test according to FCC title 47 part 15 §15.247(d), KDB 558074 D01 DTS Meas Guidance v05r02 8.5 and ANSI C63.10-2013 11.11.2 & 11.11.3

Measurement uncertainty calculated in accordance with ETSI TR 100 028-1.

Expanded Uncertainty (K=2) < 1.8 dB

LIMITS

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. [15.247(d)]

MEASUREMENTS / RESULTS

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2395.021008	-25.9	5.9	-20.0
7235.771887	-42.7	22.8	-20.0
20208.324798	-44.7	24.8	-20.0
2385.063025	-45.1	25.2	-20.0
20228.313323	-46.0	26.0	-20.0
18829.116553	-46.0	26.0	-20.0
19718.605929	-46.1	26.1	-20.0
19818.548555	-46.2	26.2	-20.0
19798.560030	-46.2	26.3	-20.0
16390.516468	-46.3	26.3	-20.0
19788.565767	-46.4	26.4	-20.0
19518.720676	-46.4	26.5	-20.0
19778.571504	-46.5	26.5	-20.0
20258.296111	-46.6	26.6	-20.0
19768.577242	-46.6	26.6	-20.0

802.11 b Low Channel Data Rate 2

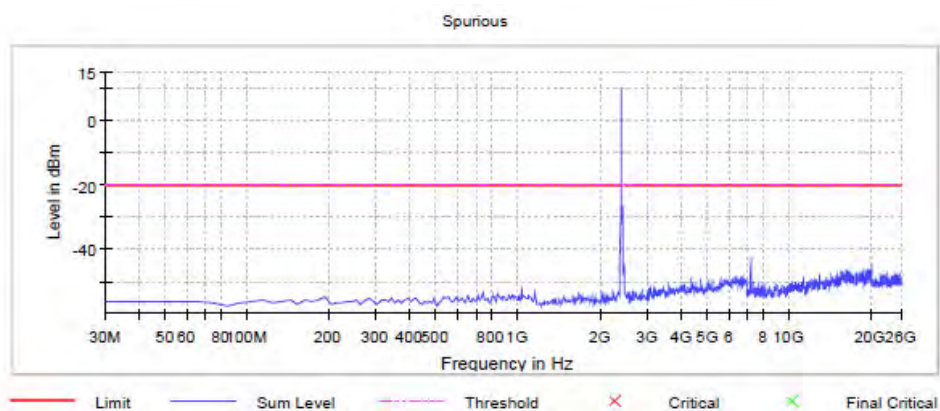
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2395.021008	-24.4	1.1	-23.3
2385.063025	-33.2	9.9	-23.3
2375.105042	-41.5	18.2	-23.3
7235.771887	-45.2	21.9	-23.3
16390.516468	-45.7	22.4	-23.3
20248.301849	-45.9	22.6	-23.3
20308.267425	-46.0	22.7	-23.3
16400.510731	-46.0	22.7	-23.3
19828.542818	-46.0	22.7	-23.3
19758.582979	-46.3	23.0	-23.3
7225.777624	-46.4	23.1	-23.3
7245.766150	-46.5	23.2	-23.3
2365.147059	-46.5	23.2	-23.3
20218.319061	-46.5	23.2	-23.3
18129.518168	-46.5	23.2	-23.3

802.11 g Low Channel Data Rate 6

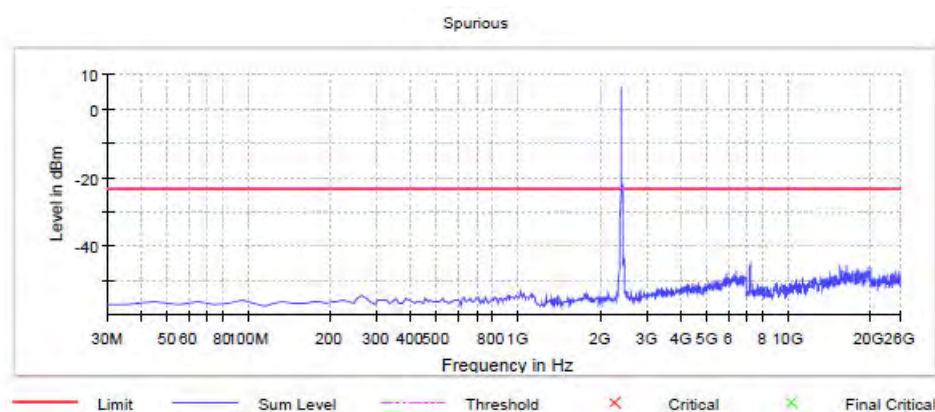
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2395.021008	-31.1	6.2	-24.9
2385.063025	-37.6	12.7	-24.9
2375.105042	-44.1	19.2	-24.9
19778.571504	-45.7	20.8	-24.9
20298.273162	-45.8	20.9	-24.9
16400.510731	-46.0	21.1	-24.9
19788.565767	-46.0	21.1	-24.9
20168.347748	-46.0	21.1	-24.9
20238.307586	-46.2	21.3	-24.9
18739.168190	-46.3	21.4	-24.9
20268.290374	-46.4	21.5	-24.9
19888.508394	-46.4	21.5	-24.9
16380.522206	-46.4	21.5	-24.9
20248.301849	-46.4	21.5	-24.9
16420.499256	-46.4	21.5	-24.9

802.11n Low Channel Data Rate MCS 0

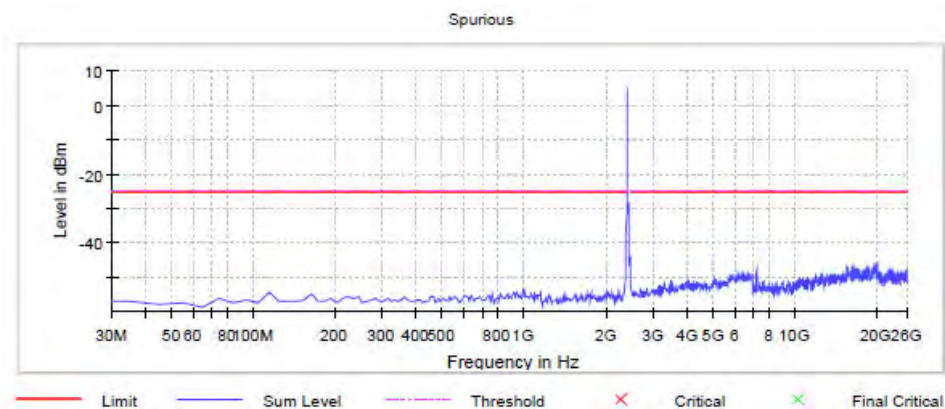
Plots



802.11 b Low Channel Data Rate 2



802.11 g Low Channel Data Rate 6



802.11 n Low Channel Data Rate MCS 0

Test Equipment Used

Rev. 6/9/2021

Spectrum Analyzers / Receivers / Preselectors		Range	MN	Mfr	SN	Asset	Cat	Calibration Due	Calibrated on
FSV40 Spectrum Analyzer		10Hz-40GHz	FSV40	ROHDE & SCHWARZ	101551	2200	I	10/23/2021	10/23/2020
Signal Generators/Comparison Noise Emitter		Range	MN	Mfr	SN	Asset	Cat	Calibration Due	Calibrated on
SMBV100A Vector Signal Generator		9KHz-6GHz	SMBV100A	ROHDE & SCHWARZ	261919	2201	I	10/23/2021	10/23/2020
SMB100A Signal Generator		100kHz-40GHz	SMB100A	ROHDE & SCHWARZ	179884	2557	I	10/26/2021	10/26/2020
OSP-B157W8			OSP-B157W8	ROHDE & SCHWARZ	100955	2558	I	7/30/2021	4/16/2020
CMW270 Wireless Connectivity Tester			CMW270	ROHDE & SCHWARZ	101066	2559	I	4/3/2022	4/3/2020
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	8/13/2022	8/13/2020
Cables									
DUT 2		30MHz-40GHz		Micro-Coax	UFB142A-1-0787-200200	2594	I	1/24/2022	1/24/2021

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



Power Spectral Density

Test according to FCC title 47 part 15 §15.247(a),(e), KDB 558074 D01 DTS Meas Guidance v05r02 F and ANSI C63.10-2013

Measurement uncertainty calculated in accordance with ETSI TR 100 028-1.

Expanded Uncertainty (K=2) < 1.3 dB

LIMIT

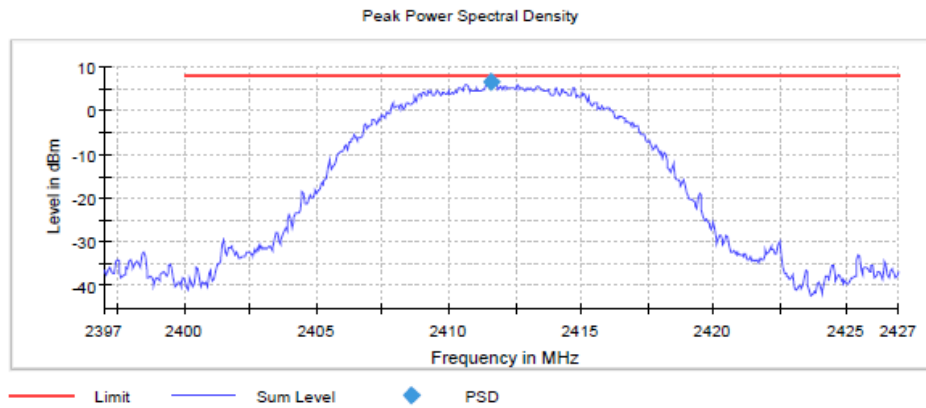
...the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3kHz band during any time interval of continuous transmission.
[15.247(e)]

MEASUREMENTS / RESULTS

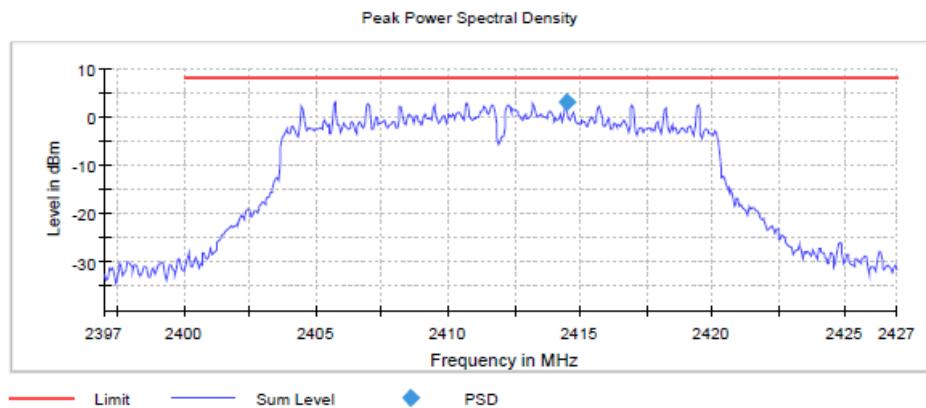
Data Table

Data Rate	Low Channel PSD (dBm)	Middle Channel PSD (dBm)	High Channel PSD (dBm)	Limit (dBm)	Result
802.11 b					
1	6.027	5.932	5.380	8	PASS
2	6.462	5.935	5.488	8	PASS
5.5	6.730	6.595	6.292	8	PASS
11	6.223	5.982	5.797	8	PASS
802.11 g					
6	3.021	2.805	2.764	8	PASS
9	3.093	2.801	2.732	8	PASS
12	3.100	2.711	2.629	8	PASS
18	3.100	2.711	2.629	8	PASS
24	2.466	2.461	2.065	8	PASS
36	2.099	1.628	1.625	8	PASS
48	2.137	1.635	1.609	8	PASS
54	2.468	2.129	2.186	8	PASS
802.11 n					
MCS 0	1.943	1.670	1.408	8	PASS
MCS 1	2.510	1.363	1.321	8	PASS
MCS 2	1.881	1.338	1.358	8	PASS
MCS 3	1.689	1.810	1.782	8	PASS
MCS 4	1.199	0.911	0.977	8	PASS
MCS 5	2.142	1.449	1.161	8	PASS
MCS 6	1.521	1.297	0.987	8	PASS
MCS 7	1.789	1.407	1.585	8	PASS

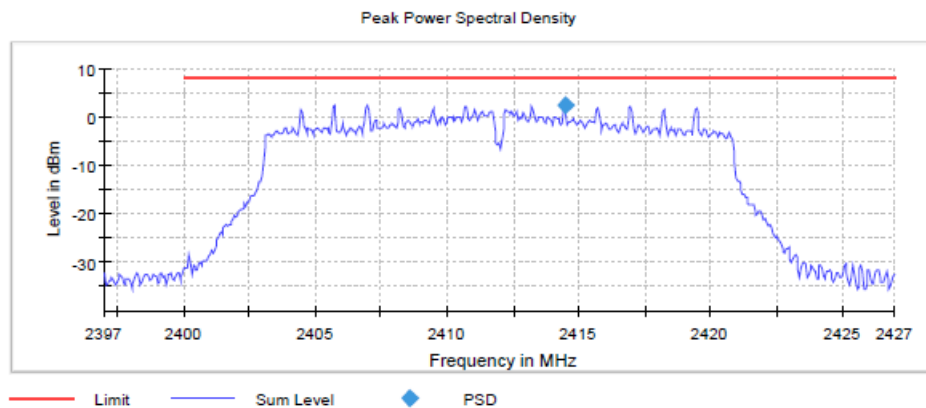
Plots



802.11 b Low Channel Data Rate 5.5



802.11 g Low Channel Data Rate 12



802.11 n Low Channel Data Rate MCS 1

Test Equipment Used

Rev. 6/9/2021

Spectrum Analyzers / Receivers /Preselectors		Range	MN	Mfr	SN	Asset	Cat	Calibration Due	Calibrated on
FSV40 Spectrum Analyzer		10Hz-40GHz	FSV40	ROHDE & SCHWARZ	101551	2200	I	10/23/2021	10/23/2020
Signal Generators/Comparison Noise Emitter		Range	MN	Mfr	SN	Asset	Cat	Calibration Due	Calibrated on
SMBV100A Vector Signal Generator		9KHz-6GHz	SMBV100A	ROHDE & SCHWARZ	261919	2201	I	10/23/2021	10/23/2020
SMB100A Signal Generator		100kHz-40GHz	SMB100A	ROHDE & SCHWARZ	179884	2557	I	10/26/2021	10/26/2020
OSP-B157W8			OSP-B157W8	ROHDE & SCHWARZ	100955	2558	I	7/30/2021	4/16/2020
CMW270 Wireless Connectivity Tester			CMW270	ROHDE & SCHWARZ	101066	2559	I	4/3/2022	4/3/2020
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	8/13/2022	8/13/2020
Cables									
DUT 2		30MHz-40GHz		Micro-Coax	UFB142A-1-0787-200200	2594	I	1/24/2022	1/24/2021

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



AC Line Conducted Emissions LIMITS

Frequency of emission (MHz)	Quasi-peak limit (dBμV)	Average limit (dBμV)
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

[47 CFR 15.207(a)]

Description of Calculations:

Adjusted Reading(dBμV) = Raw Reading(dBμV) + Correction Factor(dB)
 Correction Factor(dB) = LISN Factor(dB) + Cable Factor(dB) + Attenuator Factor(dB)
 Margin(dB) = Adjusted Reading(dBμV) - Limit(dBμV)

Measurement Software Used:

ETS-LINDGREN TILE!™ 7.4.4.12

MEASUREMENTS / RESULTS

Data Tables

Bureau Veritas Consumer Product Services Inc.

Conducted Emissions per CISPR 16-2-1

Quasi-peak Detector Data

Notes:

EUT Line tested: 120 VAC/ 60Hz; Line Phase

EUT Mode of Operation: WFI and Cellular radios active & RFID

AC Line Filter MN: 15CUFE1

Work Order # - V0434

EUT Power Input - 120VAC/ 60 Hz

Test Site - CEMI-1

Conditions: - 23.9°C; 47.3%RH; 998 mBar

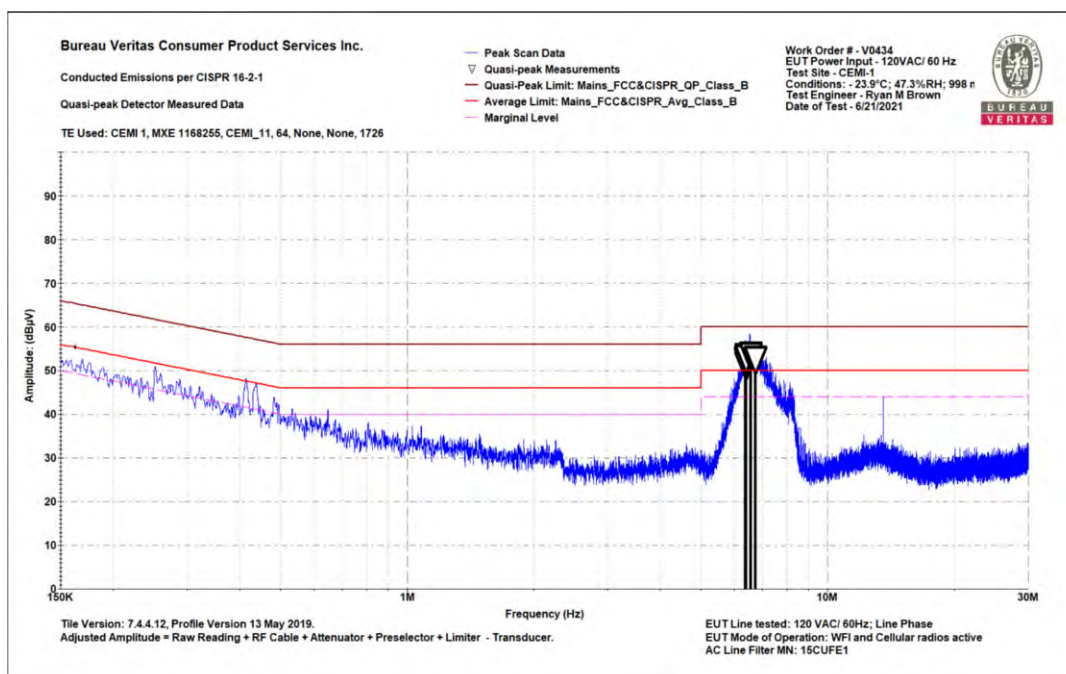
Test Engineer - Ryan M Brown

Date of Test - 6/21/2021

Frequency (MHz)	Raw QP Reading (dBμV)	Correction Factor (dB)	Adjusted QP Amplitude (dBμV)	QP Lim: Mains_FCC&CISPR_QP_Class_B (dBμV)	Margin to QP Limit (dB)	QP Limit Results (Pass/Fail)	Worst Margin (QP Limit) (dB)
6.367	32.201	20.4	52.6	60	-7.4	PASS	
6.394	33.01	20.4	53.4	60	-6.6	PASS	
6.4	31.171	20.4	51.5	60	-8.5	PASS	
6.403	32.751	20.4	53.1	60	-6.9	PASS	
6.557	33.361	20.4	53.8	60	-6.2	PASS	-6.2
6.734	32.339	20.4	52.7	60	-7.3	PASS	

0.15 – 30 MHz QP Line





0.15 – 30 MHz QP Line

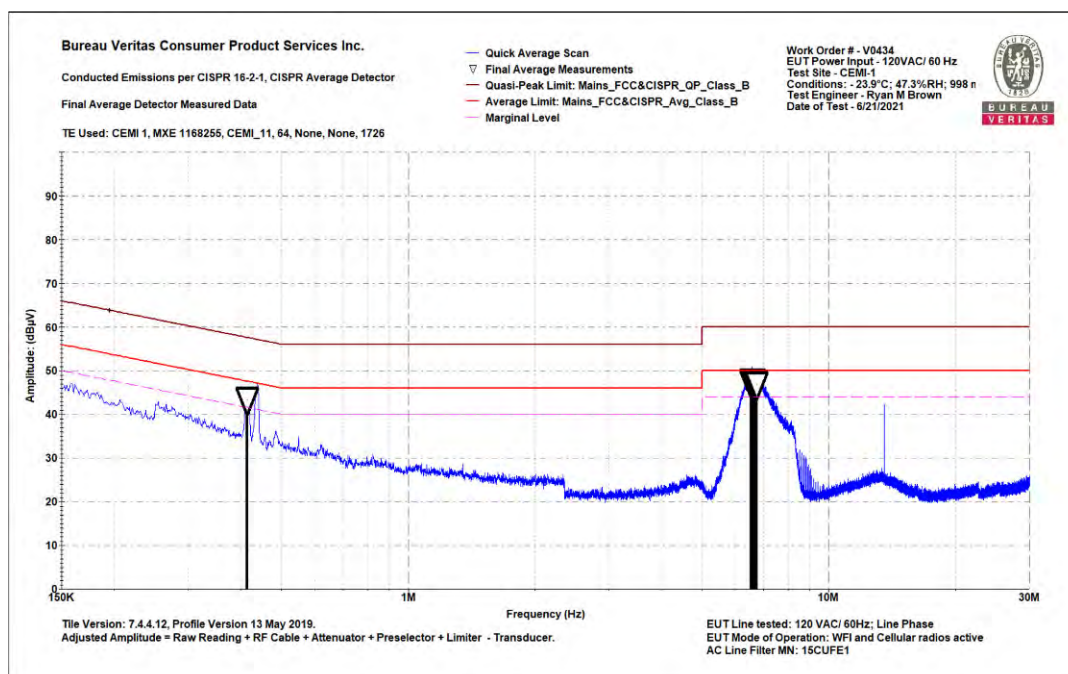
Bureau Veritas Consumer Product Services Inc.
Conducted Emissions per CISPR 16-2-1, CISPR Average Detector
Final Average Detector Data
Notes:
EUT Line tested: 120 VAC/ 60Hz; Line Phase
EUT Mode of Operation: WFI and Cellular radios active
AC Line Filter MN: 15CUFE1

Work Order # - V0434
EUT Power Input - 120VAC/ 60 Hz
Test Site - CEMI-1
Conditions: - 23.9°C; 47.3%RH; 998 mBar
Test Engineer - Ryan M Brown
Date of Test - 6/21/2021

Data Taken at 10:52:55 AM, Monday, June 21, 2021

Frequency (MHz)	Raw Avg Reading (dBμV)	Correction Factor (dB)	Adjusted Avg Amplitude (dBμV)	Av Lim: Mains_FCC&CISPR_Avg_Class_B (dBμV)	Avg Margin (dB)	Avg Results (Pass/Fail)	Worst Avg Margin (dB)
0.414	23.3	20.1	43.4	47.6	-4.1	PASS	
6.531	26.8	20.4	47.2	50	-2.8	PASS	
6.548	27.1	20.4	47.5	50	-2.5	PASS	
6.556	27.2	20.4	47.6	50	-2.4	PASS	-2.4
6.635	27.2	20.4	47.6	50	-2.4	PASS	
6.745	26.4	20.4	46.8	50	-3.2	PASS	

0.15 – 30 MHz AVG Line



0.15 – 30 MHz AVG Line

Bureau Veritas Consumer Product Services Inc.

Conducted Emissions per CISPR 16-2-1

Quasi-peak Detector Data

Notes:

EUT Line tested: 120 VAC/ 60Hz; Nutreal Phase

EUT Mode of Operation: WFI and Cellular radios active & RFID

AC Line Filter MN: 15CUFE1

Work Order # - V0343

EUT Power Input - 120VAC/ 60 Hz

Test Site - CEMI-1

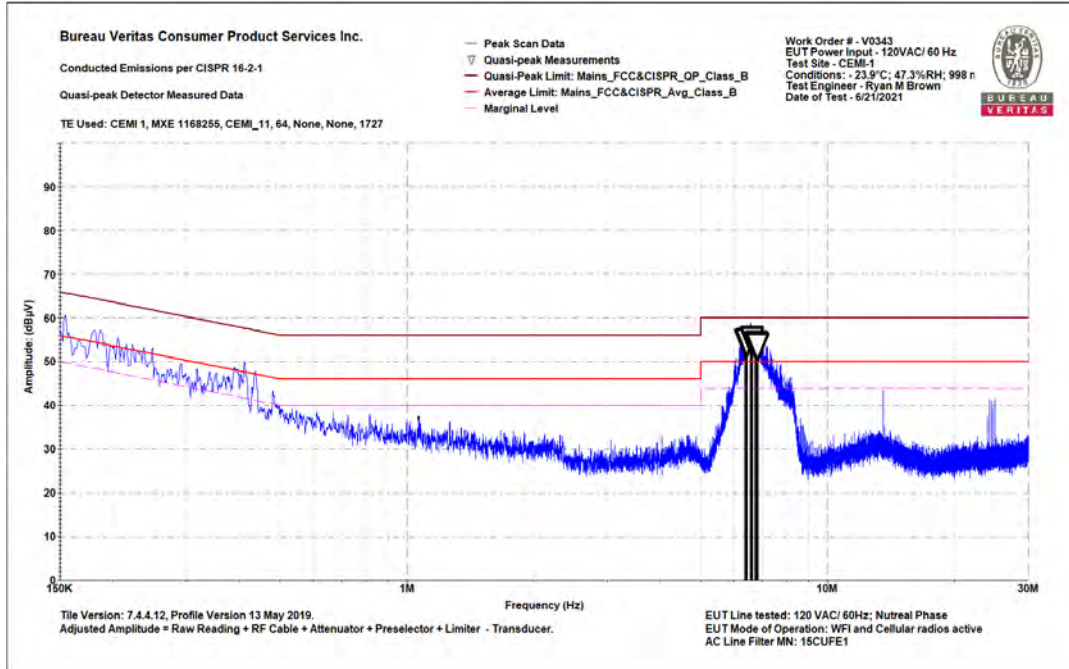
Conditions: - 23.9°C; 47.3%RH; 998 mBar

Test Engineer - Ryan M Brown

Date of Test - 6/21/2021

Frequency (MHz)	Raw QP Reading (dBμV)	Correction Factor (dB)	Adjusted QP Amplitude (dBμV)	QP Lim: Mains_FCC&CISPR_QP_Class_B (dBμV)	Margin to QP Limit (dB)	QP Limit Results (Pass/Fail)	Worst Margin (QP Limit) (dB)
6.41	34.256	20.4	54.6	60	-5.4	PASS	
6.429	34.415	20.4	54.8	60	-5.2	PASS	
6.591	34.834	20.4	55.2	60	-4.8	PASS	-4.8
6.612	34.795	20.4	55.2	60	-4.8	PASS	
6.759	33.669	20.4	54.1	60	-5.9	PASS	
6.811	33.372	20.4	53.8	60	-6.2	PASS	

0.15 – 30 MHz Neutral QP



0.15 – 30 MHz Neutral QP

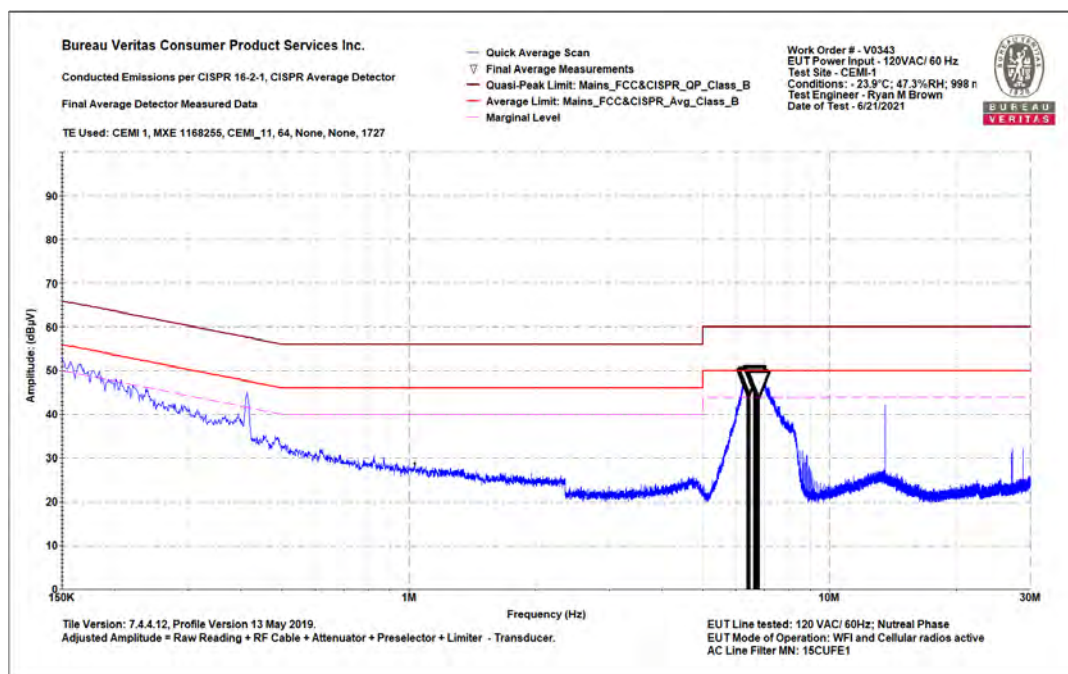
Bureau Veritas Consumer Product Services Inc.
Conducted Emissions per CISPR 16-2-1, CISPR Average Detector
Final Average Detector Data
Notes:
EUT Line tested: 120 VAC/ 60Hz; Nutreal Phase
EUT Mode of Operation: WFI and Cellular radios active & RFID
AC Line Filter MN: 15CUFE1

Work Order # - V0343
EUT Power Input - 120VAC/ 60 Hz
Test Site - CEMI-1
Conditions: - 23.9°C; 47.3%RH; 998 mBar
Test Engineer - Ryan M Brown
Date of Test - 6/21/2021

Data Taken at 11:16:40 AM, Monday, June 21, 2021

Frequency (MHz)	Raw Avg Reading (dBμV)	Correction Factor (dB)	Adjusted Avg Amplitude (dBμV)	Av Lim: Mains_FCC&CISPR_Avg_Class_B (dBμV)	Avg Margin (dB)	Avg Results (Pass/Fail)	Worst Avg Margin (dB)
6.403	27.3	20.4	47.7	50	-2.3	PASS	
6.44	27.6	20.4	48	50	-2	PASS	
6.628	27.9	20.4	48.3	50	-1.7	PASS	-1.7
6.634	27.9	20.4	48.3	50	-1.7	PASS	
6.733	26.9	20.4	47.3	50	-2.7	PASS	
6.789	26.9	20.4	47.3	50	-2.7	PASS	

0.15 – 30 MHz Neutral AVG



0.15 – 30 MHz Neutral AVG

Test Equipment Used

Rev. 4/30/2021

Spectrum Analyzers / Receivers /Preselectors

Rental MXE EMI Receiver(1168255)

Range	MN	Mfr	SN	Asset	Cat	Calibration Due	Calibrated on
20Hz-8.4GHz	N9038A	Agilent	MY53290009	1168255	I	10/8/2021	10/8/2020

LISNs/Measurement Probes

LISN Asset 1726

LISN Asset 1727

Range	MN	Mfr	SN	Asset	Cat	Calibration Due	Calibrated on
150kHz-30MHz	LI-150A	Com-Power	201092	1726	I	11/4/2021	11/4/2020
150kHz-30MHz	LI-150A	Com-Power	201093	1727	I	11/4/2021	11/4/2020

Conducted Test Sites (Mains / Telco)

CEMI 1

FCC Code	VCCI Code	Cat	Calibration Due	Calibrated on
719150	A-0015	III	NA	N/A

Meteorological Meters/Chambers

Weather Clock (Pressure Only)

Asset #2657

MN	Mfr	SN	Asset	Cat	Calibration Due	Calibrated on
BA928	Oregon Scientific	C3166-1	831	I	11/23/2022	11/23/2020
1235C97	Control Company	200435391	2657	I	8/3/2022	8/3/2020

Cables

CEMI-11

Range	Mfr	Cat	Calibration Due	Calibrated on
9kHz - 2GHz	C-S	II	10/11/2021	10/11/2020

Attenuators

20dB Attenuator-64

Range	MN	Mfr	SN	Asset	Cat	Calibration Due	Calibrated on
9kHz-2GHz			N/A		II	11/21/2021	11/21/2020

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



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Occupied Bandwidth

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v05r02 and ANSI C63.10-2013 11.8.1

Measurement uncertainty calculated in accordance with ETSI TR 100 028-1.

Expanded Uncertainty (K=2) < 2%

REQUIREMENT

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 6.7]

MEASUREMENTS / RESULTS

Data Table

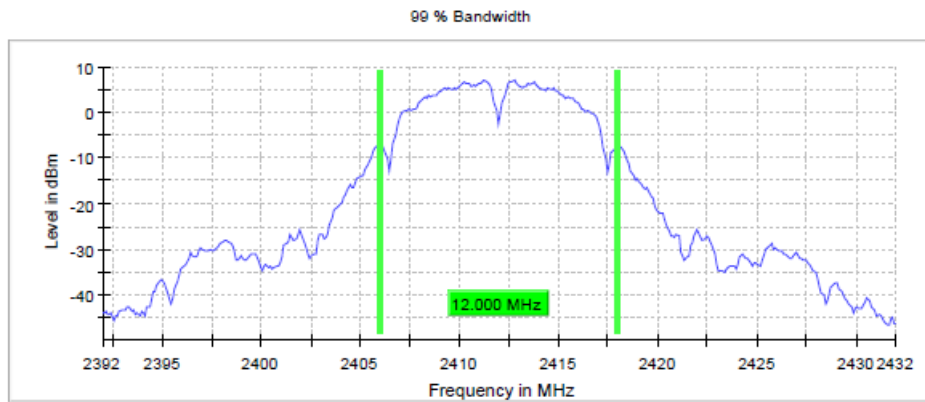
The worst case data rate for each mode was determined by the data rate with the widest bandwidth per ANSI C63.10 section 5.6.2.1

Data Rate	Bandwidth (MHz)	Band Edge Left (MHz)	Center Frequency (MHz)	Band Edge Right (MHz)	Result
802.11 b					
1	12.0000	2405.950000	2412	2417.950000	PASS
1	12.0000	2430.950000	2437	2442.950000	PASS
1	12.0000	2455.950000	2462	2467.950000	PASS
2	12.0000	2405.950000	2412	2417.950000	PASS
2	11.9000	2430.950000	2437	2442.850000	PASS
2	12.0000	2455.950000	2462	2467.950000	PASS
5.5	11.4000	2456.250000	2462	2467.650000	PASS
5.5	11.3000	2431.250000	2437	2442.550000	PASS
5.5	11.2000	2406.350000	2412	2417.550000	PASS
11	11.5000	2456.150000	2462	2467.650000	PASS
11	11.4000	2431.250000	2437	2442.650000	PASS
11	11.4000	2406.250000	2412	2417.650000	PASS

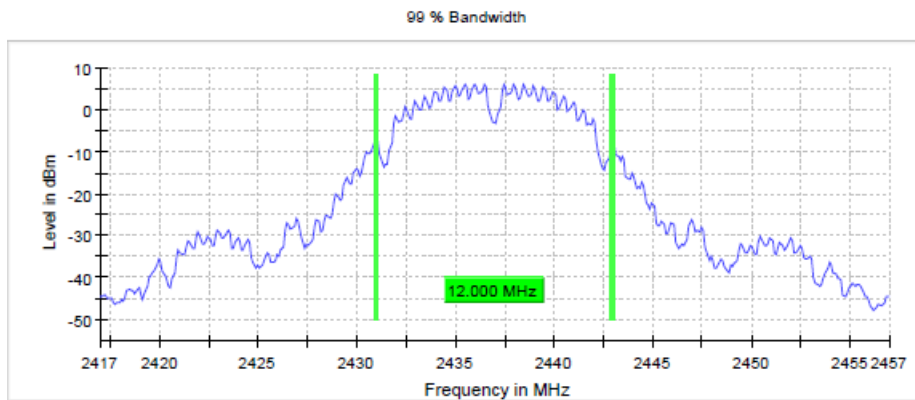
Data Rate	Bandwidth (MHz)	Band Edge Left (MHz)	Center Frequency (MHz)	Band Edge Right (MHz)	Result
802.11 g					
6	16.90000	2403.650000	2412	2420.250000	PASS
6	16.90000	2428.450000	2437	2445.350000	PASS
6	15.90000	2454.025000	2462	2469.925000	PASS
9	16.80000	2403.550000	2412	2420.350000	PASS
9	17.00000	2428.450000	2437	2445.450000	PASS
9	16.70000	2453.650000	2462	2470.350000	PASS
12	16.50000	2453.750000	2462	2470.750000	PASS
12	16.60000	2428.650000	2437	2445.250000	PASS
12	16.70000	2403.650000	2412	2420.350000	PASS
18	16.50000	2453.750000	2462	2470.250000	PASS
18	16.60000	2428.650000	2437	2445.250000	PASS
18	16.70000	2403.650000	2412	2420.350000	PASS
24	16.60000	2428.650000	2437	2445.250000	PASS
24	16.50000	2403.750000	2412	2420.250000	PASS
24	16.50000	2453.750000	2462	2470.250000	PASS
36	16.60000	2428.650000	2437	2445.250000	PASS
36	16.50000	2453.750000	2462	2470.250000	PASS
36	16.50000	2403.750000	2412	2420.250000	PASS
48	16.60000	2403.650000	2412	2420.250000	PASS
48	16.60000	2428.650000	2437	2445.250000	PASS
48	16.50000	2453.750000	2462	2470.250000	PASS
54	16.40000	2403.750000	2412	2420.150000	PASS
54	16.40000	2428.750000	2437	2445.150000	PASS
54	16.40000	2453.750000	2462	2470.150000	PASS

Data Rate	Bandwidth (MHz)	Band Edge Left (MHz)	Center Frequency (MHz)	Band Edge Right (MHz)	Result
802.11 n					
MCS 0	17.80000	2403.050000	2412	2420.850000	PASS
MCS 0	17.90000	2428.050000	2437	2445.950000	PASS
MCS 0	17.80000	2453.050000	2462	2470.850000	PASS
MCS 1	17.80000	2403.050000	2412	2420.850000	PASS
MCS 1	17.80000	2428.050000	2437	2445.850000	PASS
MCS 1	17.70000	2453.150000	2462	2470.850000	PASS
MCS 2	17.70000	2453.150000	2462	2470.850000	PASS
MCS 2	17.80000	2428.050000	2437	2445.850000	PASS
MCS 2	17.80000	2403.050000	2412	2420.850000	PASS
MCS 3	17.70000	2453.150000	2462	2470.850000	PASS
MCS 3	17.80000	2428.050000	2437	2445.850000	PASS
MCS 3	17.80000	2403.050000	2412	2420.850000	PASS
MCS 4	17.80000	2403.050000	2412	2420.850000	PASS
MCS 4	17.80000	2428.050000	2437	2445.850000	PASS
MCS 4	17.60000	2453.150000	2462	2470.750000	PASS
MCS 5	17.80000	2403.050000	2412	2420.580000	PASS
MCS 5	17.70000	2423.075000	2437	2440.775000	PASS
MCS 5	17.70000	2453.150000	2462	2470.850000	PASS
MCS 6	17.80000	2428.050000	2437	2445.850000	PASS
MCS 6	17.60000	2453.150000	2462	2470.750000	PASS
MCS 6	17.70000	2403.150000	2412	2420.850000	PASS
MCS 7	17.80000	2453.050000	2462	2470.850000	PASS
MCS 7	17.80000	2428.050000	2437	2445.850000	PASS
MCS 7	17.80000	2403.050000	2412	2420.850000	PASS

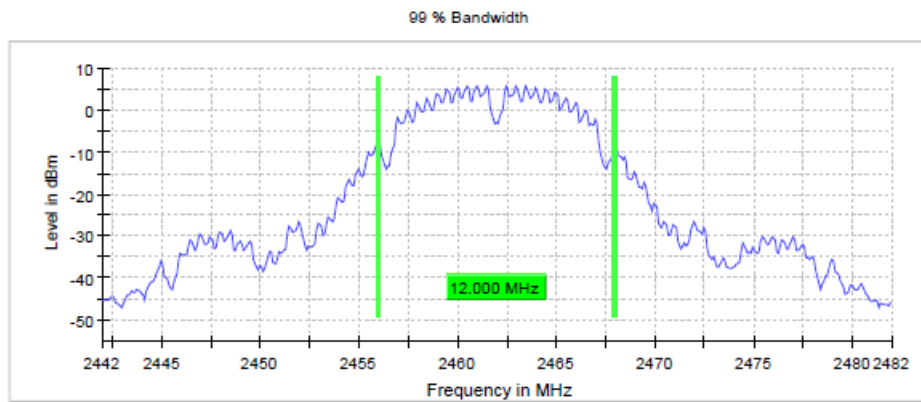
Plots



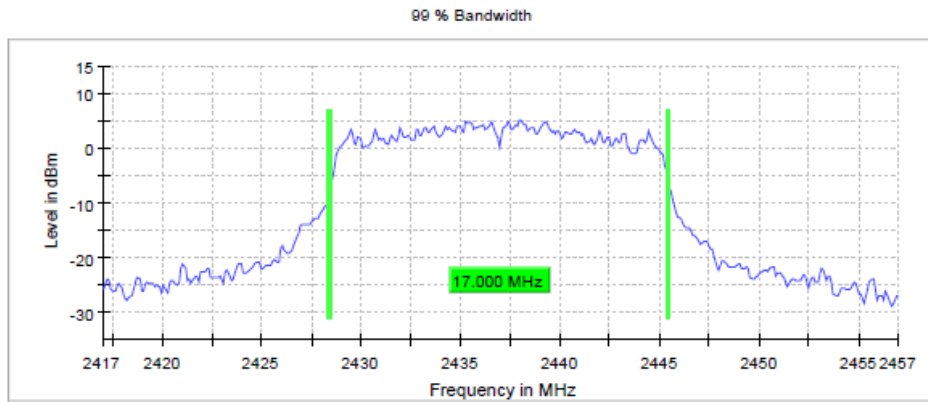
802.11 b Data Rate 2 Low Channel



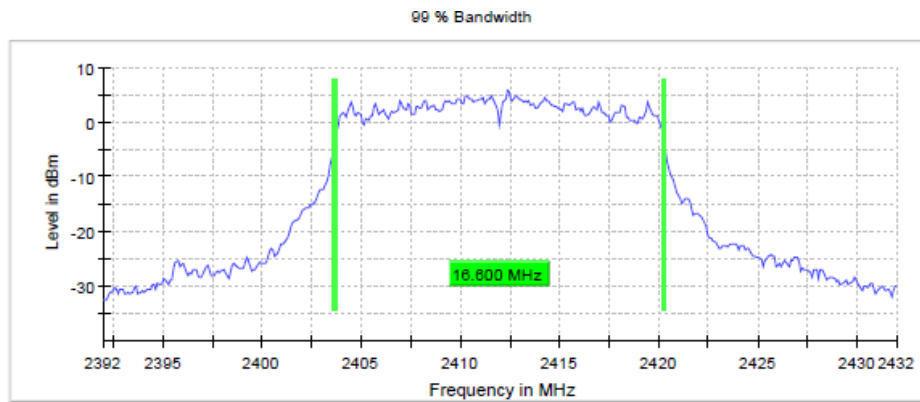
802.11 b Data Rate 1 Mid Channel



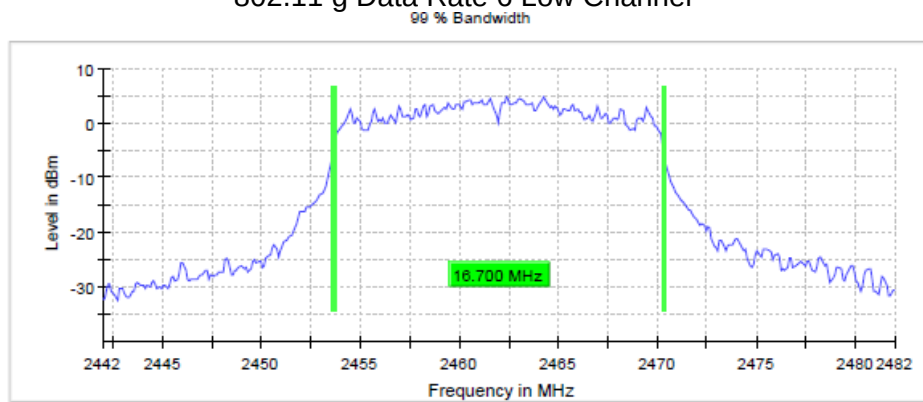
802.11 b Data Rate 1 High Channel



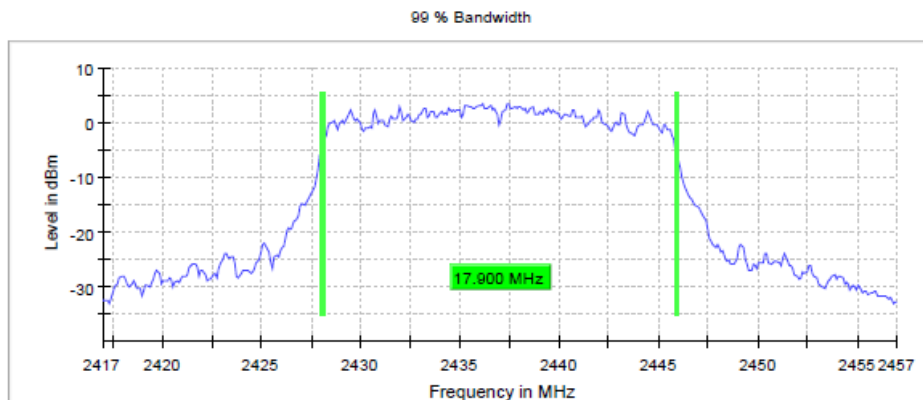
802.11 g Data Rate 9 Mid Channel



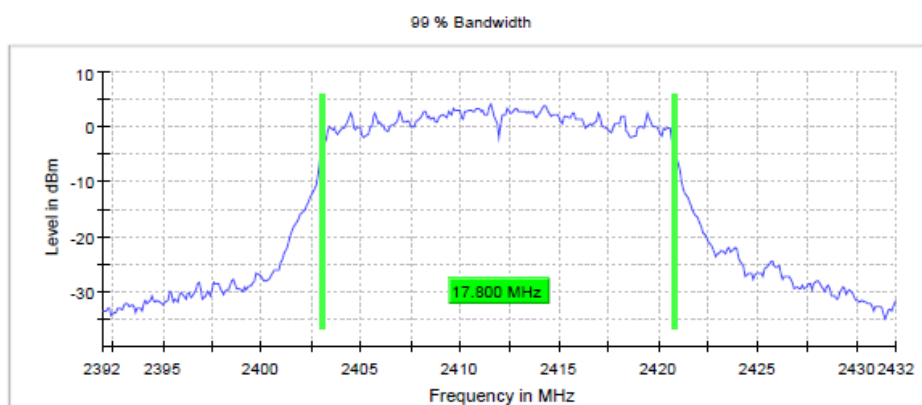
802.11 g Data Rate 6 Low Channel



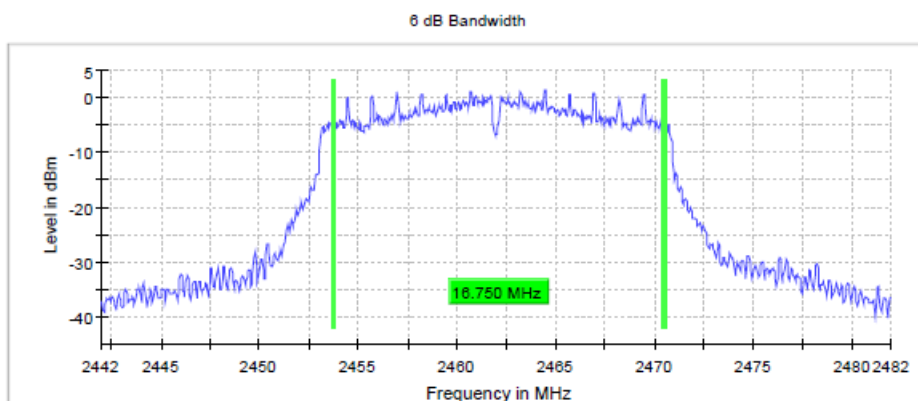
802.11 g Data Rate 9 High Channel



802.11 n Mid Channel MCS 0



802.11 n Low Channel MCS 0



802.11 n High Channel MCS 0

Test Equipment Used



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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.

Measurement	Expanded Uncertainty k=2	Maximum allowable uncertainty
Radiated Emissions (30-1000MHz)		
NIST	5.6dB	N/A
CISPR	4.6dB	5.2dB (Ucisprr)
Radiated Emissions (1-26.5GHz)	4.6dB	N/A
Radiated Emissions (above 26.5GHz)	4.9dB	N/A
Magnetic Radiated Emissions	5.6dB	N/A
Conducted Emissions		
NIST	3.9dB	N/A
CISPR	3.6dB	3.6dB (Ucisprr)
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 where 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.

The complete list of the Approved Subcontractors Curtis-Straus may use to delegate the performance of work can be provided upon request.
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