



Test Report for Yardi Systems Inc.  
Report No. EX0275-2 Issue 2



## TEST REPORT



Applicant	Yardi Systems Inc.
Address	430 South Fairview Ave Goleata, CA 93117

FCC ID	2BAL9YDITRZB
ISED Canada IC	30221-YDITRZB
Product Description	Wireless Gecko Multi-Protocol Connectivity Module
Model/HVIN	YDI210P32
Additional Models	None
Date of tests	Aug 10 to Oct 11, 2023
FCC Test Firm DN Canada CABID	US1028 US0106

The tests have been carried out according to the requirements of the following standard:

- ☒ FCC Part 15, Subpart C, Section 15.247
- ☒ ISED Canada RSS-247 Issue 2

**CONCLUSION:** The submitted sample was found to **COMPLY** with the test requirement

Prepared by Ryan Brown Sr. EMC/Wireless Engineer	Approved by Yunus Faziloglu Wireless Manager
	
Report Issue Date: Nov 21, 2023	Issue Number: 2

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## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
1	Original release	Oct 19, 2023
2	1-18GHz plots and data tables revised to show peak measurement data passing average limits. In Section 3.2, test mode description revised to remove "Continuous" phrase. In Section 3.2, worst-case orientation determination method clarified.	Nov 21, 2023

## 1 SUMMARY OF TEST RESULTS

EUT was tested against the following requirements:

APPLIED STANDARD: FCC PART 15, SUBPART C (SECTION 15.247), RSS-247				
STANDARD SECTION		TEST TYPE AND LIMIT	APPLICABLE	RESULT
47CFR15	RSS			
15.207	Gen 8.8	AC Power Line Conducted Emissions	N/A (Note 1)	N/A
15.205 15.209	247 3.3 247 5.5 Gen 8.9 Gen 8.10	Radiated Spurious Emissions	Y	PASS
15.247(d)	247 5.5	Conducted Spurious Emissions	N/A (Note 1)	N/A
15.247(a)(2)	247 5.2(a)	6dB Bandwidth	N/A (Note 1)	N/A
--	Gen 6.7	99% Occupied Bandwidth	N/A (Note 1)	N/A
15.247(b)(3)	247 5.4(d)	Conducted Output Power	N/A (Note 1)	N/A
15.247(e)	247 5.2(b)	Power Spectral Density	N/A (Note 1)	N/A
15.203	Gen 6.8	Antenna Requirement	N/A (Note 1)	N/A

**Note 1:** Class II Permissive change testing to add a new antenna. Testing for Radiated Spurious Emissions and Radiated Band Edges only.

## 2 MEASUREMENT UNCERTAINTY

The listed uncertainties are the worst-case uncertainty for the entire range of measurement. Please note that the uncertainty values are provided for informational purposes only and are not used in determining the PASS/FAIL results. Values for measurement uncertainty are calculated per ETSI TR 100 028 (2001).

Measurement	Expanded Uncertainty k=2	Maximum allowable uncertainty
Radio frequency (@ 2.4GHz)	$3.23 \times 10^{-8}$	$1 \times 10^{-7}$
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		

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of  $k = 2$ .

### 3 GENERAL INFORMATION

#### 3.1 GENERAL DESCRIPTION OF EUT

<b>NOMINAL VOLTAGE</b>	3VDC
<b>MODULATION TECHNOLOGY</b>	DTS
<b>MODULATION TYPES</b>	GFSK
<b>DATA RATES</b>	1Mbps, 2Mbps
<b>OPERATING FREQUENCY</b>	2402 – 2480MHz
<b>EUT Power Setting</b>	20dBm (Default)
<b>ANTENNA TYPE</b>	FPC antenna with 2.5dBi peak gain in 2.4GHz band (Customer supplied information)

#### NOTES:

1. For a more detailed description of the EUT, please refer to the manufacturer's specifications or the user's manual.
2. For photos of the EUT, please refer to External and Internal Photos exhibits.

### 3.2 DESCRIPTION OF TEST MODES

EUT can operate on 40 channels:

CHANNEL	FREQ. (MHZ)	CHANNEL	FREQ. (MHZ)	CHANNEL	FREQ. (MHZ)	CHANNEL	FREQ. (MHZ)
0	2402	10	2422	20	2442	30	2462
1	2404	11	2424	21	2444	31	2464
2	2406	12	2426	22	2446	32	2466
3	2408	13	2428	23	2448	33	2468
4	2410	14	2430	24	2450	34	2470
5	2412	15	2432	25	2452	35	2472
6	2414	16	2434	26	2454	36	2474
7	2416	17	2436	27	2456	37	2476
8	2418	18	2438	28	2458	38	2478
9	2420	19	2440	29	2460	39	2480

Module was mounted on an evaluation board during testing. EUT configuration modes:

TEST MODE	DESCRIPTION
A	Transmit at 1Mbps (Duty-cycle: 84%)
B	Transmit at 2Mbps (Duty-cycle: 84%)



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Following channels/modes were selected for the applicable tests below.

TEST	TEST MODE	AVAILABLE CHANNELS	TESTED CHANNEL	MODULATION TYPE	DATA RATE (Mbps)	Notes
RSE<1G	A	0 to 39	0,19,39	GFSK	1	1, 3
RSE≥1G	A	0 to 39	0,19,39	GFSK	1	1
RBE	A, B	0 to 39	0,39	GFSK	1, 2	2

Note 1: For radiated emissions, worst-case orientation was found when the EUT (module) was positioned on X axis (flat on the table) and external antenna was in X-axis (flat) as shown in the Test Setup Photos exhibit. Worst-case orientation determination is based on maximizing the fundamental on center channel. EUT (module) was maximized on 3 axis (X, Y and Z) and on each EUT axis external antenna was also maximized on 3 axis (X, Y and Z) for a total of 9 combinations. Both 1Mbps and 2Mbps data rates were checked and 1Mbps was found to be worse. All radiated spurious emissions testing was performed at the worst-case orientation and data rate.

Note 2: Tested at worst-case orientation as described in Note 1. Tested at both 1Mbps and 2Mbps data rates.

Note 3: Testing below 1GHz was limited to 1 channel only since all emissions detected in this range were related to the evaluation board that the EUT was mounted on.

**RSE<1G:** Radiated Spurious Emissions Below 1GHz

**RSE≥1G:** Radiated Spurious Emissions Above 1GHz

**RBE:** Radiated Band-edge

**TEST CONDITIONS:**

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY	DATE OF TEST
RBE	23.5°C, 50.0% RH, 993 mbar	3VDC	RMB	Aug 10, 2023
RE<1G	22.5°C, 46.1% RH, 1010 mbar	3VDC	MM	Aug 24, 2023
RE≥1G	22.8°C, 51.1% RH, 995 mbar 25.2°C, 51.0% RH, 1002 mbar	3VDC	MM RMB	Aug 11, 2023 Oct 11, 2023





### 3.3 MEASUREMENT PROCEDURES USED

All tests were performed in accordance with the following measurement procedures:

**FCC KDB 558074 D01 15.247 Meas Guidance v05r02**

**ANSI C63.10-2013**

### 3.4 DESCRIPTION OF SUPPORT EQUIPMENT

Customer supplied a laptop computer to setup test modes for the module.

## 4 TEST RESULTS

### 4.1 RADIATED SPURIOUS EMISSIONS

#### 4.1.1 LIMITS

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emissions limits specified in Section 15.209(a).

FREQUENCIES (MHz)	FIELD STRENGTH (microvolts/meter)	MEASUREMENT DISTANCE (meters)
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

**NOTE:**

1. Lower limit applies at the transition frequencies.
2.  $\text{dB}\mu\text{V/m} = 20 \cdot \log(\mu\text{V/m})$ .
3. As specified in 15.35(b), for frequencies above 1000MHz, field strength limits are based on the use of measurement instrumentation employing an average detector function. However, there is also a limit on the peak level of the emissions that is 20 dB above the maximum permitted average emission limit.
4. Limit conversion below 30MHz is done by using the square of an inverse linear distance extrapolation factor (40 dB/decade) as allowed in FCC 15.31(f)(2).  
 $\text{Limit}(3\text{m}) = \text{Limit}(30\text{m}) + 40 \cdot \log(30/3) = \text{Limit}(30\text{m}) + 40$   
 $\text{Limit}(3\text{m}) = \text{Limit}(300\text{m}) + 40 \cdot \log(300/3) = \text{Limit}(300\text{m}) + 80$
5. RSS-GEN Table 6 H-field limits are 51.5dB lower than FCC 15.209(a) E-field limits. Measurements are performed in terms of magnetic field and converted to electric field using the free space impedance of  $377\Omega$  ( $\text{E-field} = \text{H-field} \cdot 377$ ). Therefore resulting pass/fail margin would be the same if an E-field reading is compared to an E-field limit or an H-field reading is compared to an H-field limit.



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### 4.1.2 TEST EQUIPMENT USED

1-18GHz: 8/11/2023

Rev. 8/2/2023

<b>Spectrum Analyzers / Receivers / Preselectors</b> 2093 MXE EMI Receiver	<b>Range</b> 20Hz-26.5GHz	<b>MN</b> N9038A	<b>Mfr</b> Agilent	<b>SN</b> MY51210181	<b>Asset</b> 2093	<b>Cat</b> I	<b>Calibration Due</b> 3/30/2024	<b>Calibrated on</b> 3/30/2023
<b>Radiated Emissions Sites</b> EMI Chamber 2	<b>FCC Code</b> 719150	<b>IC Code</b> 2762A-7	<b>VCCI Code</b> A-0015	<b>Range</b> 1-18GHz	<b>Asset</b> 1686	<b>Cat</b> I	<b>Calibration Due</b> 12/28/2024	<b>Calibrated on</b> 12/28/2022
<b>Preamps / Couplers Attenuators / Filters</b> Blue Horn 8449B HF Preamp 2116 BRF	<b>Range</b> 1-18GHz 1-18GHz 0.009-18000MHz	<b>MN</b> 3117 8449B BRM50702	<b>Mfr</b> ETS Agilent Micro-Tronics	<b>SN</b> 157647 1149055 G226	<b>Asset</b> 1861 2116	<b>Cat</b> I II II	<b>Calibration Due</b> 3/27/2025 11/1/2023 11/16/2023	<b>Calibrated on</b> 3/27/2023 11/1/2022 11/16/2022
<b>Antennas</b> Blue Horn	<b>Range</b> 1-18GHz	<b>MN</b> 3117	<b>Mfr</b> ETS	<b>SN</b> 157647	<b>Asset</b> 1861	<b>Cat</b> I	<b>Calibration Due</b> 3/27/2025	<b>Calibrated on</b> 3/27/2023
<b>Meteorological Meters/Chambers</b> Asset 2707		<b>MN</b> SD700	<b>Mfr</b> EXTECH	<b>SN</b> A.115171	<b>Asset</b> 2707	<b>Cat</b> I	<b>Calibration Due</b> 1/13/2025	<b>Calibrated on</b> 1/13/2023
<b>Cables</b> Asset #2466 Asset #2608 Asset #2682	<b>Range</b> 9KHz-18GHz 9KHz-18GHz 9KHz-18GHz		<b>Mfr</b> MegaPhase Pasternack Pasternack			<b>Cat</b> II II II	<b>Calibration Due</b> 11/1/2023 11/1/2023 10/6/2023	<b>Calibrated on</b> 11/1/2022 11/1/2022 10/6/2022

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

0.009-1000MHz: 8/24/23

Rev. 8/2/2023

<b>Spectrum Analyzers / Receivers / Preselectors</b> Rental MXE EMI Receiver(1170725)	<b>Range</b> 20Hz-26.5GHz	<b>MN</b> N9038A	<b>Mfr</b> Agilent	<b>SN</b> MY51210151	<b>Asset</b> 1170725	<b>Cat</b> I	<b>Calibration Due</b> 2/21/2024	<b>Calibrated on</b> 2/21/2023
<b>Radiated Emissions Sites</b> EMI Chamber 1	<b>FCC Code</b> 719150	<b>IC Code</b> 2762A-6	<b>VCCI Code</b> A-0015	<b>Range</b> 30-1000MHz	<b>Asset</b> 1685	<b>Cat</b> I	<b>Calibration Due</b> 11/29/2024	<b>Calibrated on</b> 11/29/2022
<b>Antennas</b> Large Loop Small Loop Red-White Bilog	<b>Range</b> 20Hz-5MHz 10kHz-30MHz 30-2000MHz	<b>MN</b> 6511 PLA-130/A JB1	<b>Mfr</b> EMCO ARA Sunol	<b>SN</b> 9704-1154 1024 A091604-1	<b>Asset</b> 67 755 1105	<b>Cat</b> I I I	<b>Calibration Due</b> 8/22/2024 9/12/2024 10/25/2023	<b>Calibrated on</b> 8/22/2022 9/12/2022 10/25/2021
<b>Meteorological Meters/Chambers</b> Asset 2707		<b>MN</b> SD700	<b>Mfr</b> EXTECH	<b>SN</b> A.115171	<b>Asset</b> 2707	<b>Cat</b> I	<b>Calibration Due</b> 1/13/2025	<b>Calibrated on</b> 1/13/2023
<b>Cables</b> Asset #2610 Asset #2681 Asset #2474	<b>Range</b> 9KHz-18GHz 9KHz-18GHz 9KHz-18GHz		<b>Mfr</b> Pasternack Pasternack MegaPhase			<b>Cat</b> II II II	<b>Calibration Due</b> 3/3/2024 12/13/2023 11/1/2023	<b>Calibrated on</b> 8/22/2022 12/13/2022 11/1/2022
<b>Preamps / Couplers Attenuators / Filters</b> 8447F Rental PA	<b>Range</b> 9KHz-1.3GHz	<b>MN</b> 84477F	<b>Mfr</b> HP	<b>SN</b> 3113A05395	<b>Asset</b>	<b>Cat</b> II	<b>Calibration Due</b> 10/17/2023	<b>Calibrated on</b> 10/17/2022

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

18-25GHz: 10/11/2023

Rev. 10/4/2023

<b>Spectrum Analyzers / Receivers / Preselectors</b> 2093 MXE EMI Receiver	<b>Range</b> 20Hz-26.5GHz	<b>MN</b> N9038A	<b>Mfr</b> Agilent	<b>SN</b> MY51210181	<b>Asset</b> 2093	<b>Cat</b> I	<b>Calibration Due</b> 3/30/2024	<b>Calibrated on</b> 3/30/2023
<b>Radiated Emissions Sites</b> EMI Chamber 1	<b>FCC Code</b> 719150	<b>IC Code</b> 2762A-6	<b>VCCI Code</b> A-0015	<b>Range</b> 1-18GHz	<b>Asset</b> 1685	<b>Cat</b> I	<b>Calibration Due</b> 12/29/2024	<b>Calibrated on</b> 12/29/2022
<b>Antennas</b> 3116C Horn / PA	<b>Range</b> 18-40GHz	<b>MN</b> 3116C	<b>Mfr</b> ETS	<b>SN</b> 258845	<b>Asset</b> 2709	<b>Cat</b> I	<b>Calibration Due</b> 3/7/2024	<b>Calibrated on</b> 3/7/2023
<b>Meteorological Meters/Chambers</b> Asset 2707		<b>MN</b> SD700	<b>Mfr</b> EXTECH	<b>SN</b> A.115171	<b>Asset</b> 2707	<b>Cat</b> I	<b>Calibration Due</b> 1/13/2025	<b>Calibrated on</b> 1/13/2023
<b>Cables</b> Asset #2690	<b>Range</b> 1-40GHz		<b>Mfr</b> Pasternack			<b>Cat</b> II	<b>Calibration Due</b> 8/22/2024	<b>Calibrated on</b> 8/22/2023

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

#### 4.1.3 TEST PROCEDURES

- a. The EUT was placed on the top of a rotating table 1.5 meters (above 1GHz) and 0.8 meters (below 1GHz) above the ground at a 3 meters semi-anechoic chamber.
- b. For below 30MHz, a loop antenna with its lowest point 1m above the ground was placed 3m away from the EUT and it was rotated 0 and 90 degrees around its vertical axis.
- c. In 30MHz-1GHz range, a biconilog antenna was mounted on a variable-height antenna tower and placed 3m away from the EUT. Antenna height was varied from 1 meter to 4 meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna were investigated. The table was rotated 360 degrees to determine the position of the highest radiation.
- d. In 1GHz-6GHz range, a horn antenna was mounted on a variable-height antenna tower and placed 3m away from the EUT. Antenna height was varied from 1 meter to 4 meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna were investigated. The table was rotated 360 degrees to determine the position of the highest radiation. Using the same antenna, the measurement distance was reduced to 1m in 6-18GHz range.
- e. In 18-25GHz a smaller horn antenna was used to make measurements at 1m away from the EUT.
- f. Following bandwidths were used during emissions testing:

Freq. (MHz)	RBW	VBW	Pre-scan	Final
0.009-0.15	200Hz	1kHz	Peak	Quasi Peak and RMS Power Avg (Trace Avg)
0.15-30	9kHz	30kHz	Peak	Quasi Peak and RMS Power Avg (Trace Avg)
30-1000	120kHz	300kHz	Peak	Quasi Peak
>1000	1MHz	3MHz	Peak	Peak Max Hold and RMS Power Avg (Trace Avg)

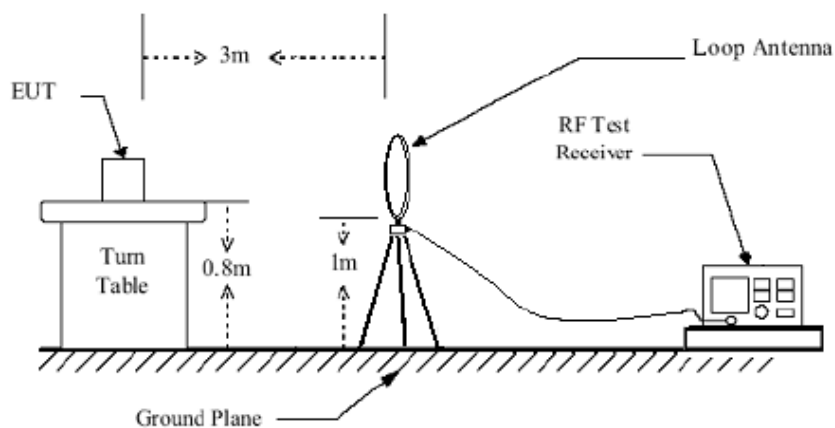
Per FCC §15.209(d), limits §15.209(a) are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector. If peak measurements in these frequency bands were below the applicable limits, QPk and RMS measurements were not performed.

#### 4.1.4 DEVIATIONS

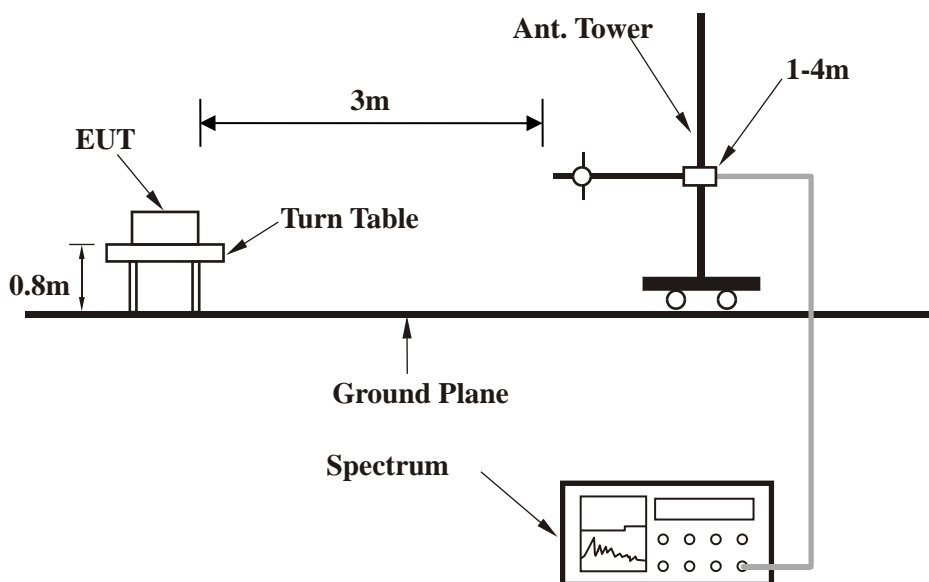
No deviations from the standard.

#### 4.1.5 TEST SETUP

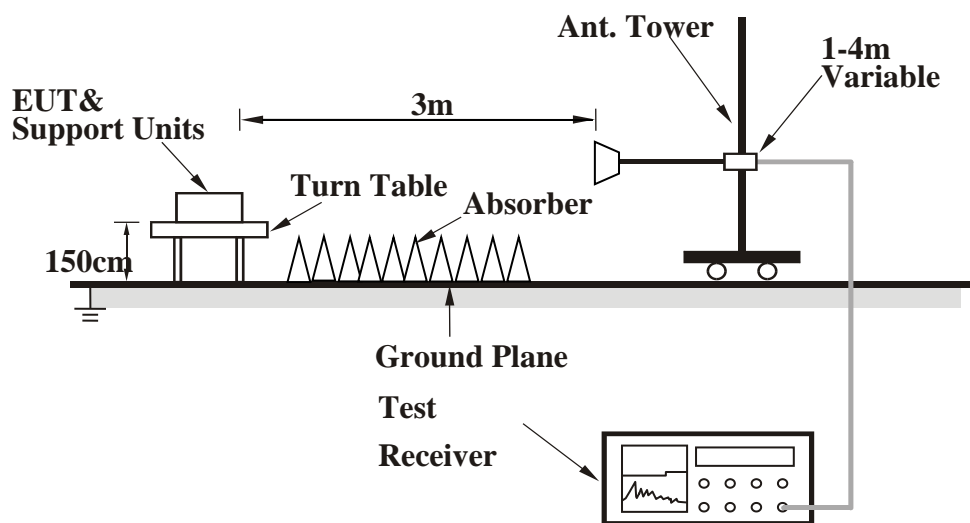
##### Below 30MHz Test Setup



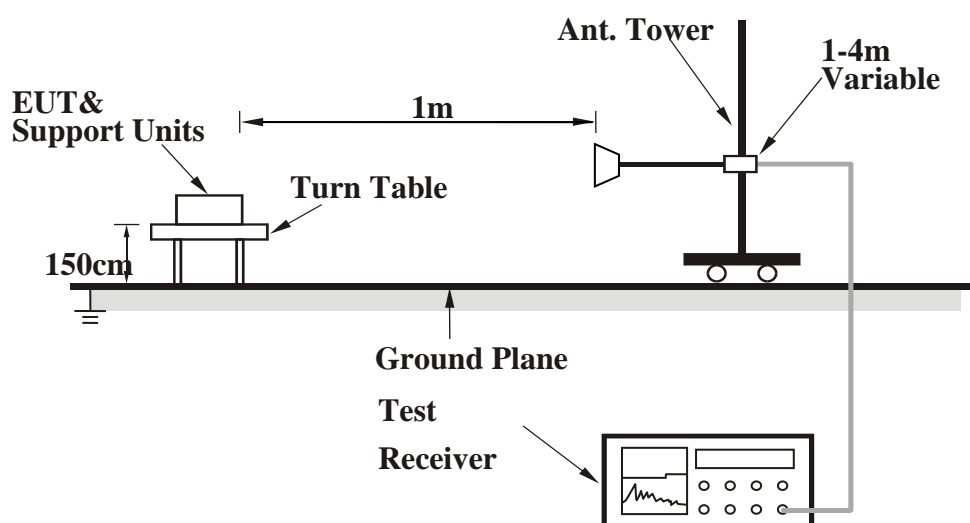
##### 30MHz - 1GHz Test Setup



## 1GHz – 6GHz Test Setup



## 6GHz – 18GHz Test Setup



**Note:** For the actual test configuration, please refer to the Test Setup Photos exhibit.

### 4.1.6 EUT OPERATING CONDITIONS

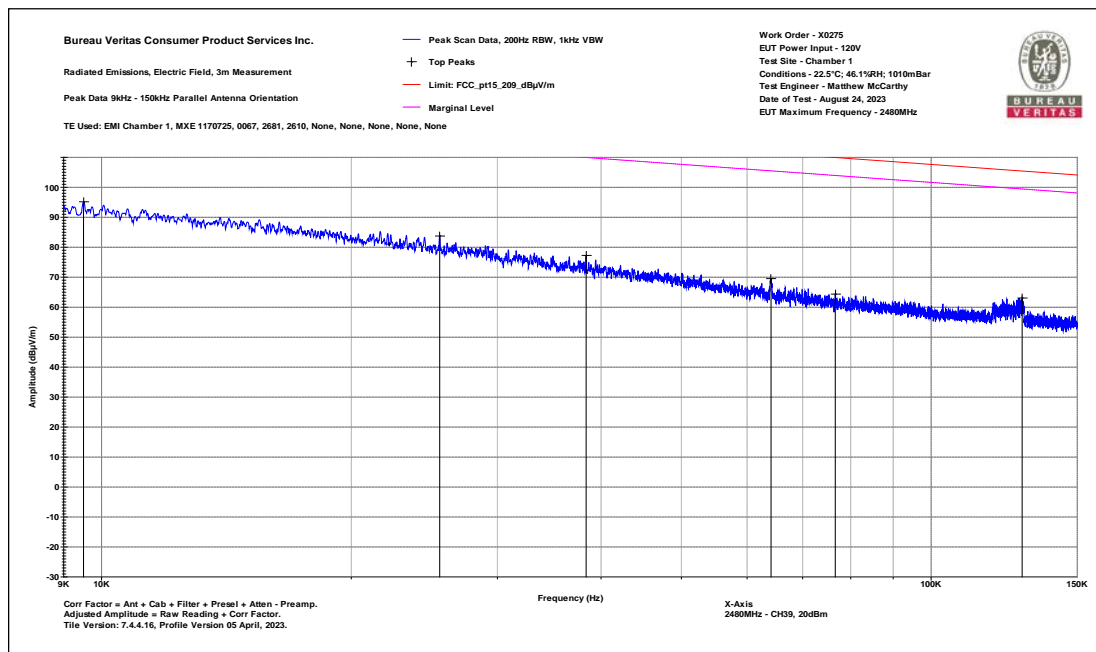
EUT was operated according to the manufacturer's specifications.

## 4.1.7 TEST RESULTS

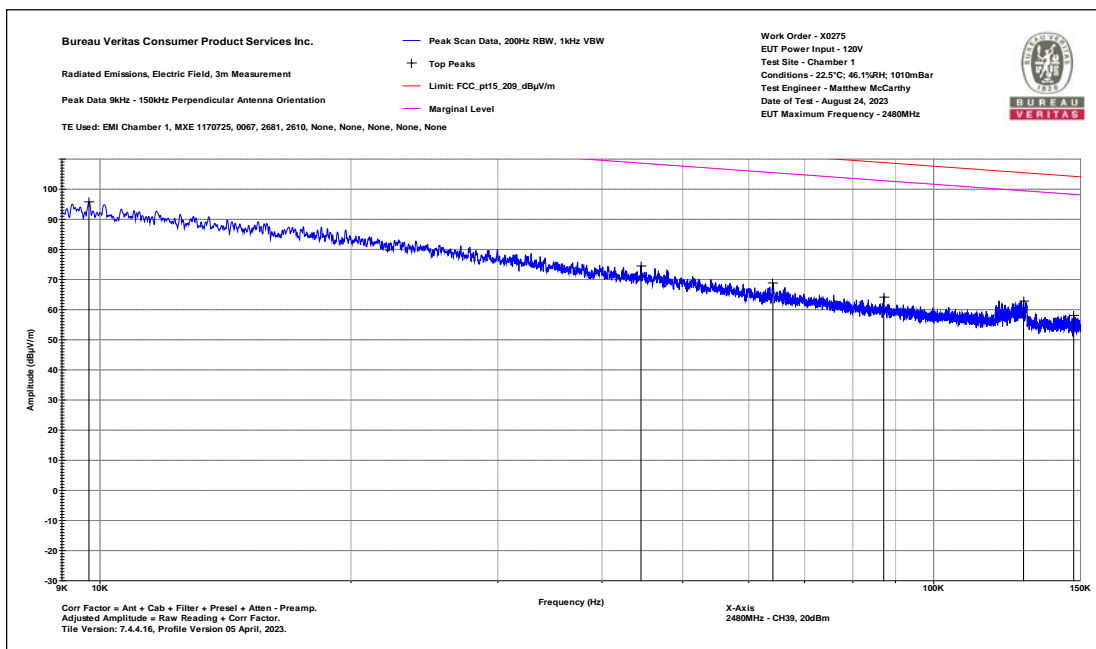
### Emissions below 1GHz

#### BLE 1Mbps Channel 39

No emissions within 10dB of the limit were identified in 9kHz-30MHz range. Only plots shown below.



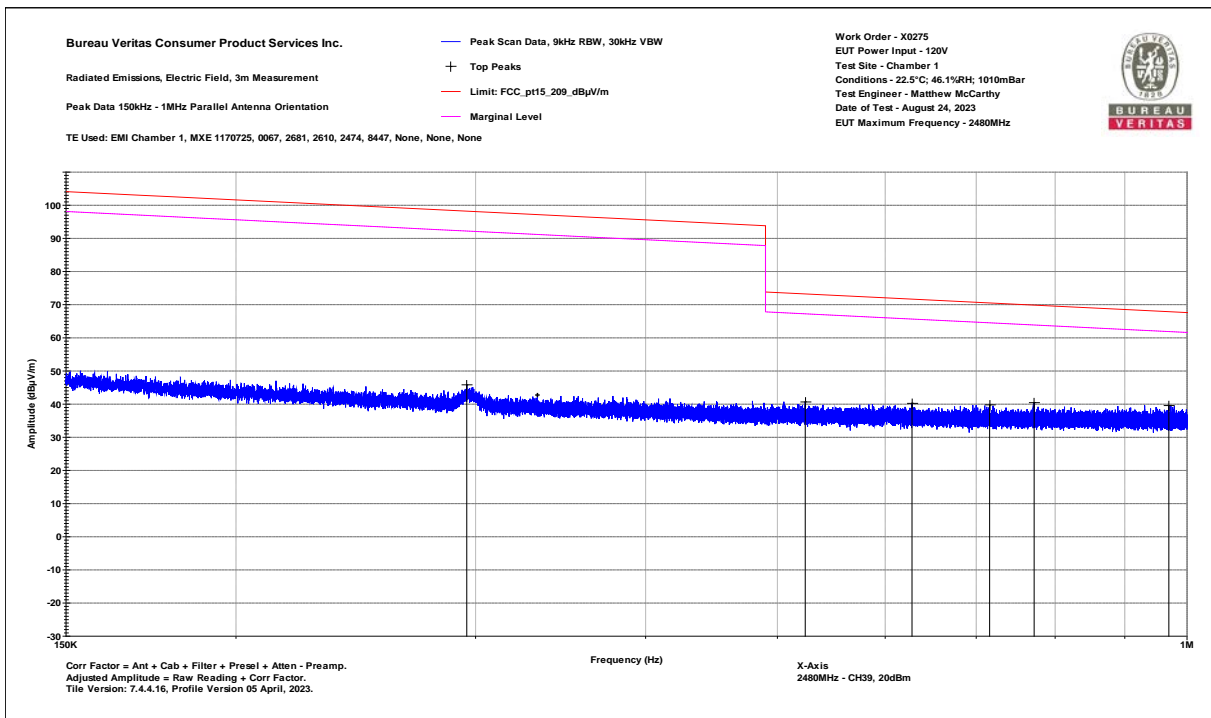
#### 0.009-0.15MHz Parallel



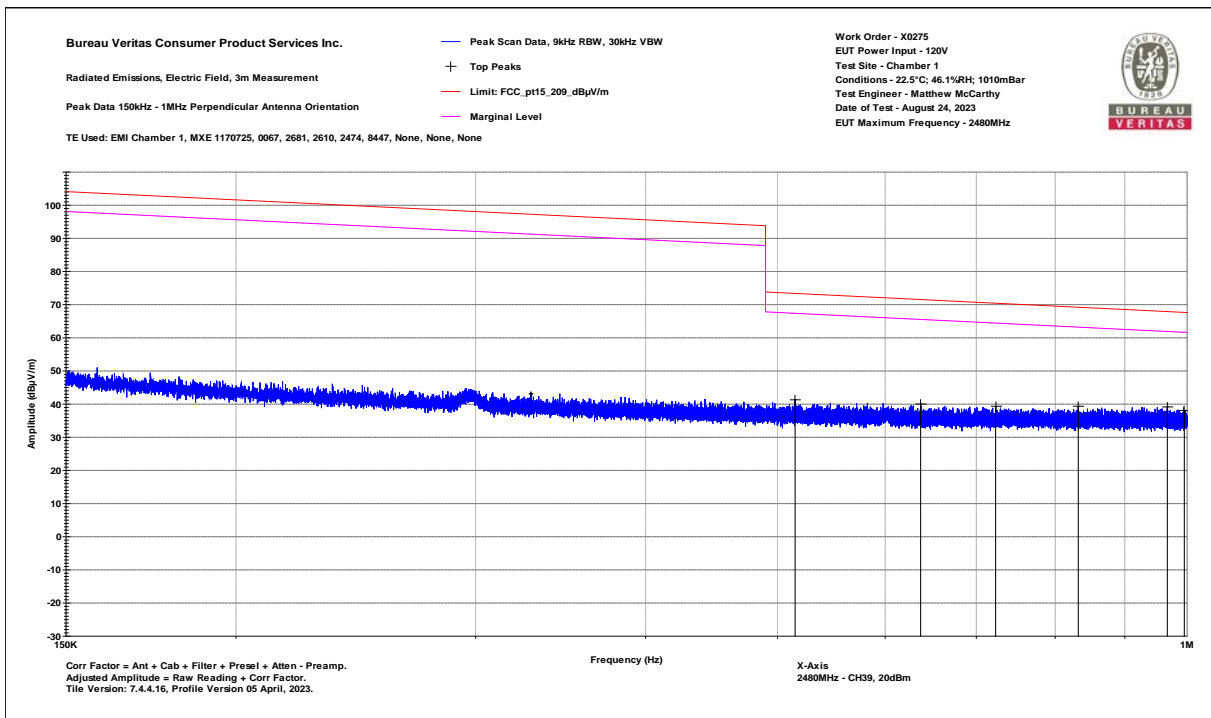
#### 0.009-0.15MHz Perpendicular



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0.15-1MHz Parallel

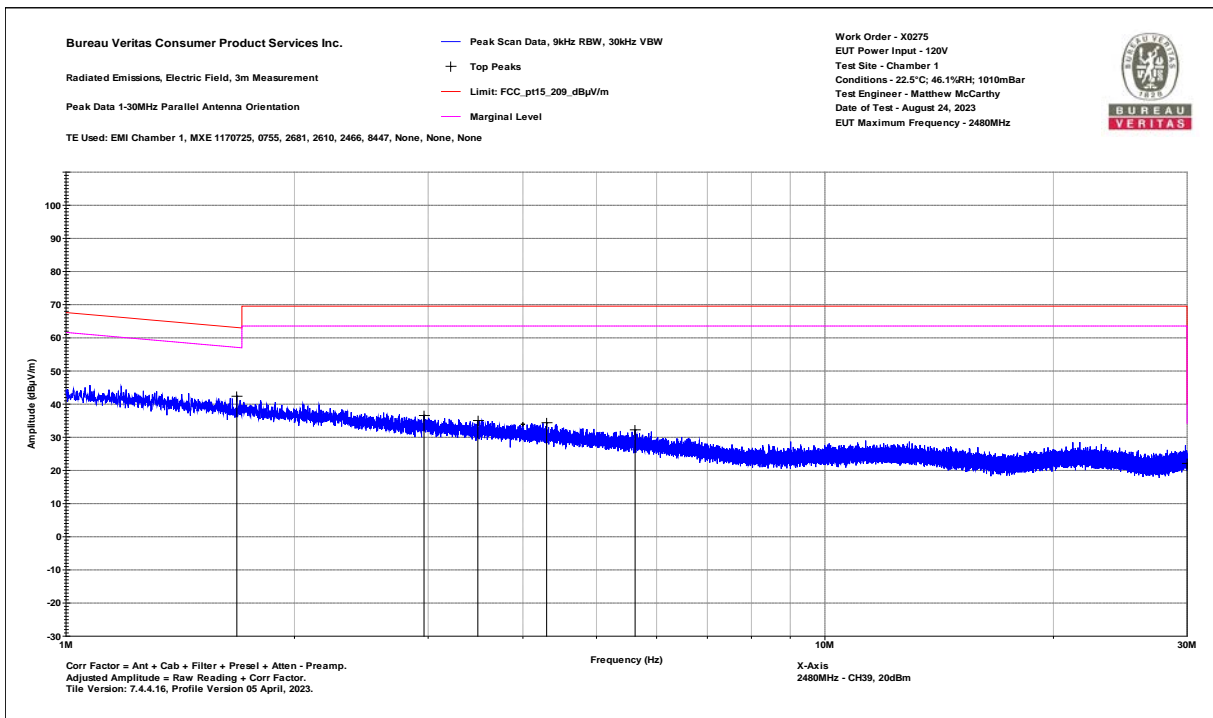


0.15-1MHz Perpendicular

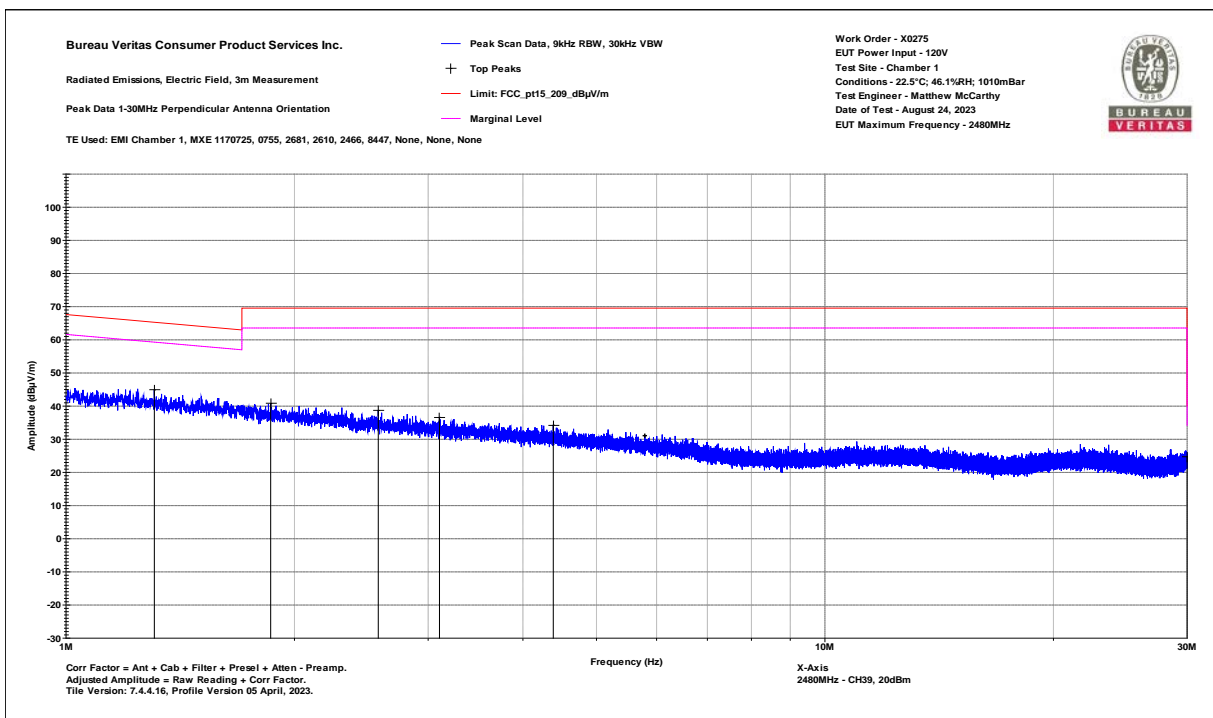




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1-30MHz Parallel



1-30MHz Perpendicular



# Test Report for Yardi Systems Inc. Report No. EX0275-2 Issue 2

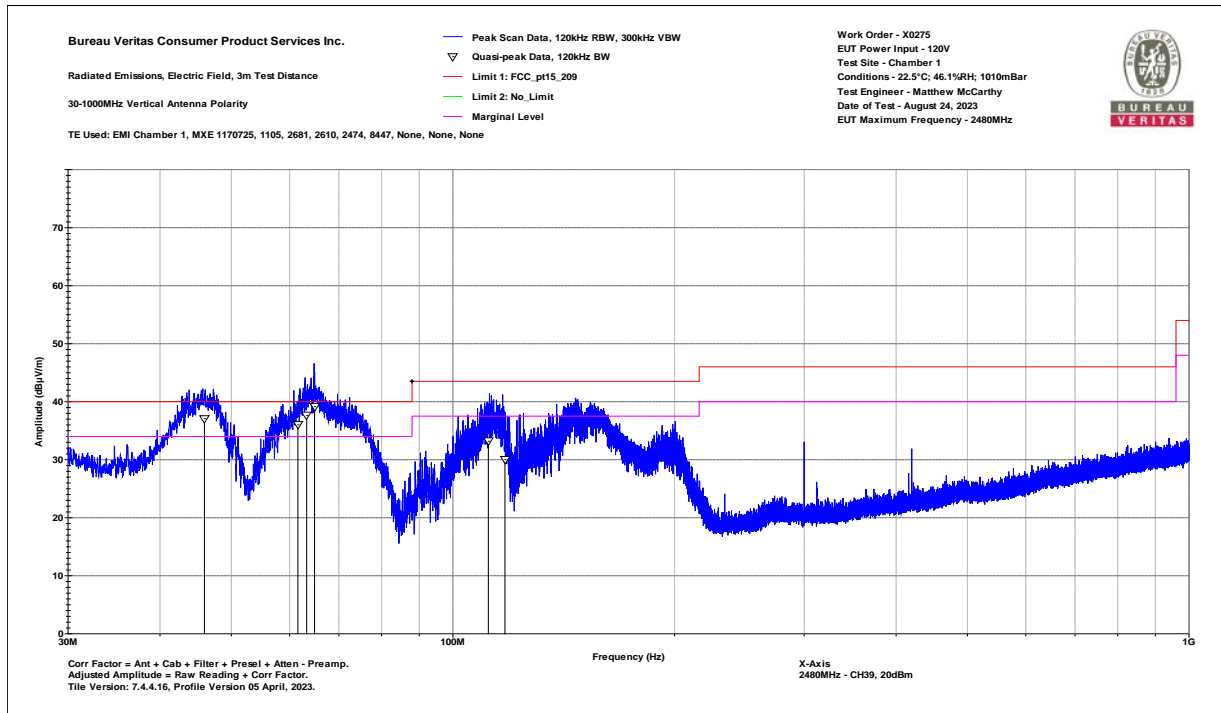


Bureau Veritas Consumer Product Services Inc.  
Radiated Emissions Electric Field 3m Distance  
30-1000MHz Vertical Data  
Notes:  
X-Axis  
2480MHz - CH39, 20dBm

Work Order - X0275  
EUT Power Input - 120V  
Test Site - Chamber 1  
Conditions - 22.5°C; 46.1%RH; 1010mBar  
Test Engineer - Matthew McCarthy  
Date of Test - August 24, 2023

Frequency (MHz)	Raw QP Reading (dBμV)	Correction Factor (dB/m)	Adjusted QP Amplitude (dBμV/m)	Lim1: FCC_pt15_209 (dBμV/m)	Margin to Lim1 (dB)	Test Results Lim1 (Pass/Fail)	Worst Margin Lim1 (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
45.966	47.7	-10.6	37.1	40	-2.9	PASS		100	115
61.571	49.9	-13.9	36	40	-4	PASS		106	290
63.3	51.4	-13.8	37.6	40	-2.4	PASS		109	109
64.882	52.9	-13.7	39.2	40	-0.8	PASS	-0.8	108	115
111.712	41.5	-8.3	33.2	43.5	-10.3	PASS		100	275
117.662	37.6	-7.6	30	43.5	-13.5	PASS		109	272

30-1000MHz Vertical Data Table



30-1000MHz Vertical Plot



**BUREAU  
VERITAS**

## Test Report for Yardi Systems Inc. Report No. EX0275-2 Issue 2



Bureau Veritas Consumer Product Services Inc.

Radiated Emissions Electric Field 3m Distance

30-1000MHz Horizontal Data

Notes:

X-Axis

2480MHz - CH39, 20dBm

Work Order - X0275

EUT Power Input - 120V

Test Site - Chamber 1

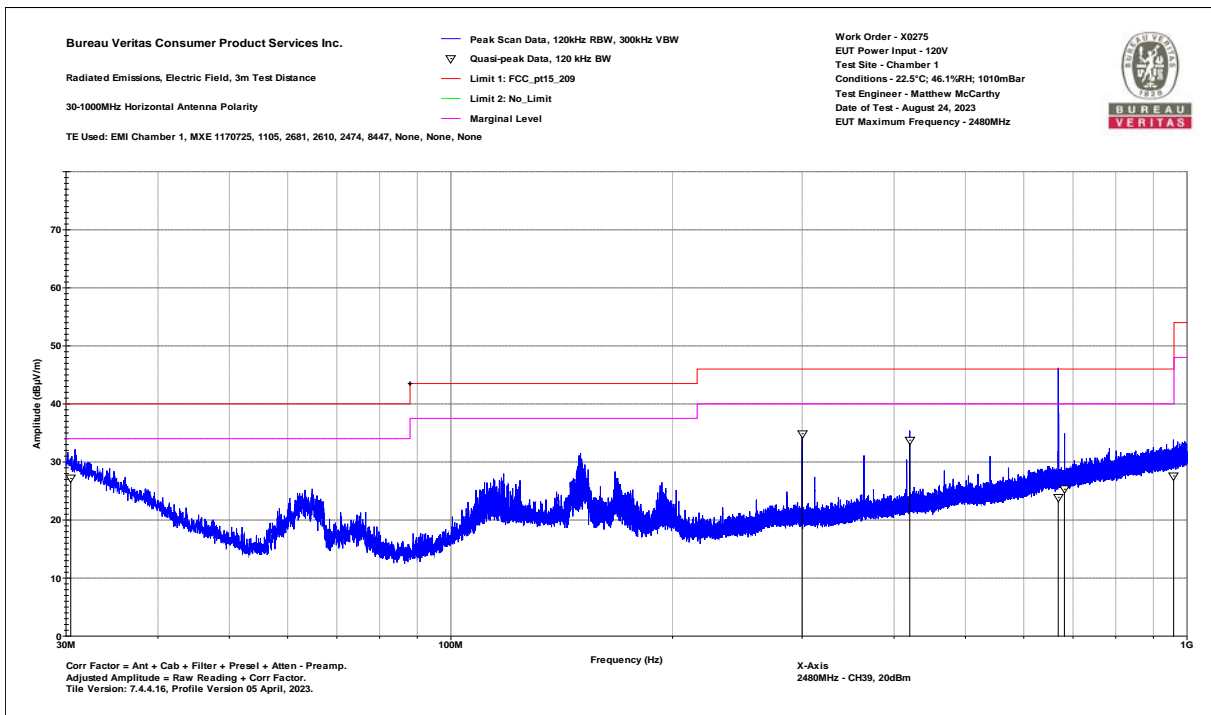
Conditions - 22.5°C; 46.1%RH; 1010mBar

Test Engineer - Matthew McCarthy

Date of Test - August 24, 2023

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)
30.444	27	0.2	27.2	40	-12.8	PASS		125	25
300.012	41.3	-6.4	34.9	46	-11.1	PASS	-11.1	100	124
420.025	38	-4.3	33.7	46	-12.3	PASS		231	110
668.249	24.5	-0.6	23.9	46	-22.1	PASS		125	110
681.329	25.6	-0.3	25.3	46	-20.7	PASS		125	3
958.74	23.3	4.3	27.6	46	-18.4	PASS		165	25

**30-1000MHz Horizontal Data Table**



**30-1000MHz Horizontal Plot**

Bureau Veritas Consumer Product  
Services Inc.

One Distribution Center Circle, #1  
Littleton, MA

Tel.: (978) 486-8880  
Fax: (978) 486-8828



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## Test Report for Yardi Systems Inc. Report No. EX0275-2 Issue 2

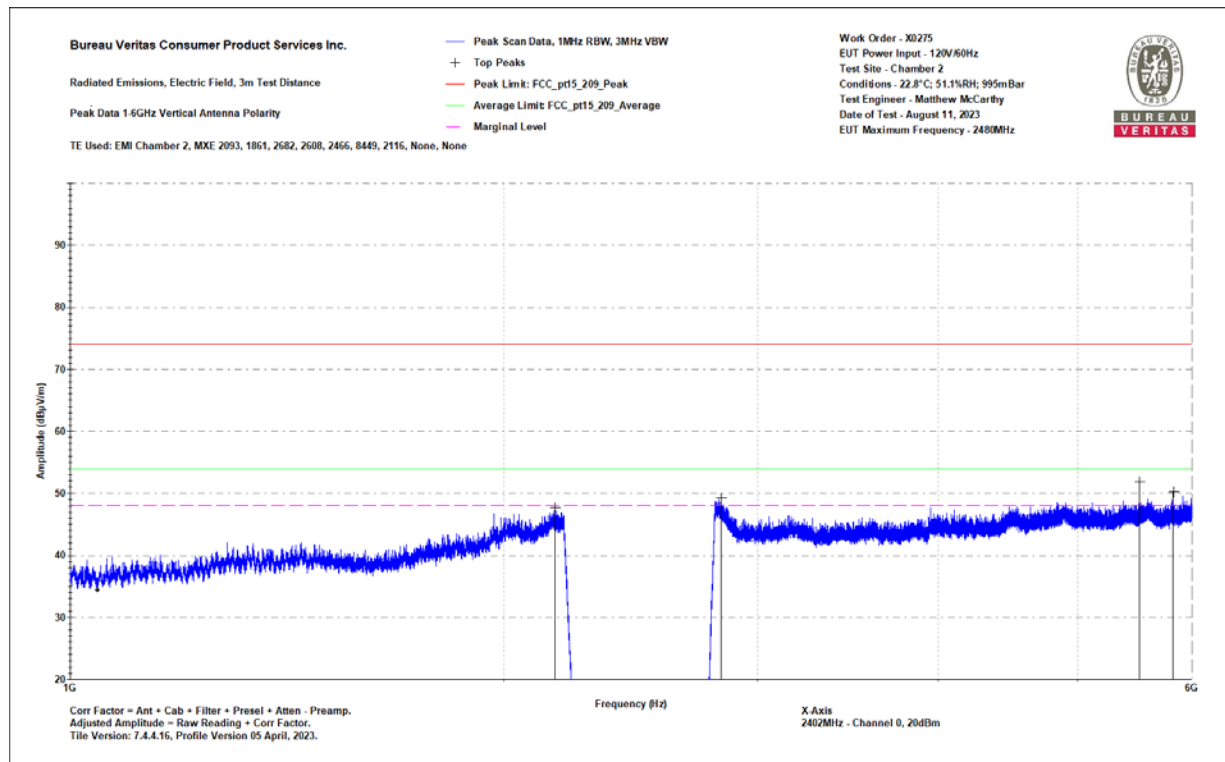


### Emissions above 1GHz

#### Results for BLE 1Mbps Channel 0

Bureau Veritas Consumer Product Services Inc.					Work Order - X0275								
Radiated Emissions Electric Field 3m Distance					EUT Power Input - 120V/60Hz								
Top Peaks Vertical 1-6GHz					Test Site - Chamber 2								
Notes:					Conditions - 22.8°C; 51.1%RH; 995mBar								
X-Axis					Test Engineer - Matthew McCarthy								
2402MHz - Channel 0, 20dBm					Date of Test - August 11, 2023								
Frequency (MHz)	Raw Peak Reading (dBμV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBμV/m)	PK Lim: FCC_pt15_20 9_Peak (dBμV/m)	Margin to Peak Limit (dB)	Peak Limit Test Results (Pass/Fail)	Peak Limit Worst Margin (dB)	Av Lim: FCC_pt15_20 9_Average (dBμV/m)	Margin to Average Limit (dB)	Average Limit Test Result (Pass/Fail)	Average Limit Worst Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
2168.88	Not in the Restricted Band												
2590.25	Not in the Restricted Band												
2828.25	46.3	3	49.3	74	-24.7	PASS		54	-4.7	PASS	-4.7	300	242
5518.5	Not in the Restricted Band												
5823.88	Not in the Restricted Band												

#### 1-6GHz Vertical Data Table



#### 1-6GHz Vertical Plot



# Test Report for Yardi Systems Inc. Report No. EX0275-2 Issue 2

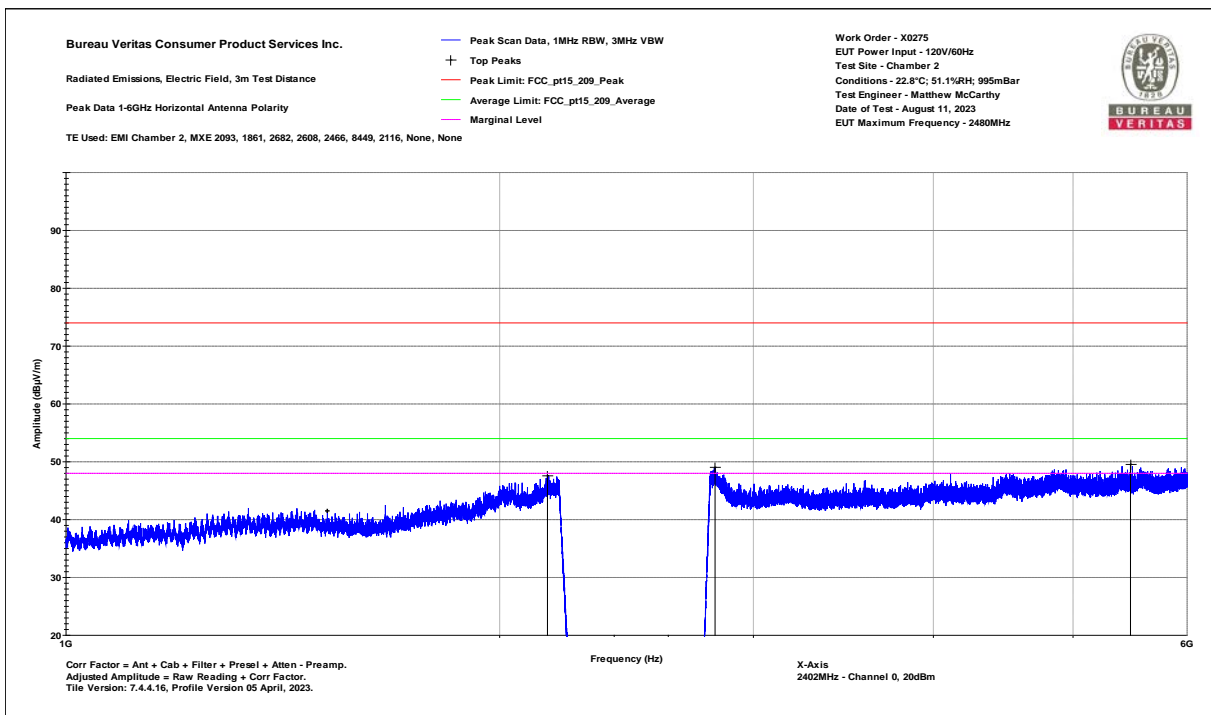


Bureau Veritas Consumer Product Services Inc.  
Radiated Emissions Electric Field 3m Distance  
Top Peaks Horizontal 1-6GHz  
Notes:  
X-Axis  
2402MHz - Channel 0, 20dBm

Work Order - X0275  
EUT Power Input - 120V/60Hz  
Test Site - Chamber 2  
Conditions - 22.8°C; 51.1%RH; 995mBar  
Test Engineer - Matthew McCarthy  
Date of Test - August 11, 2023

Frequency (MHz)	Raw Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_20 9_Peak (dBµV/m)	Margin to Peak Limit (dB)	Peak Limit Results (Pass/Fail)	Peak Limit Worst Margin (dB)	Av Lim: FCC_pt15_20 9_Average (dBµV/m)	Margin to Avg Limit (dB)	Avg Limit Results (Pass/Fail)	Avg Limit Worst Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
2158.63	Not in the Restricted Band												
2401.75	Fundamental												
2618.5	Not in the Restricted Band												
2821.75	45.7	3.3	49	74	-25	PASS		54	-5	PASS		100	92
5481.38	Not in the Restricted Band												

1-6GHz Horizontal Data Table



1-6GHz Horizontal Plot



# Test Report for Yardi Systems Inc. Report No. EX0275-2 Issue 2

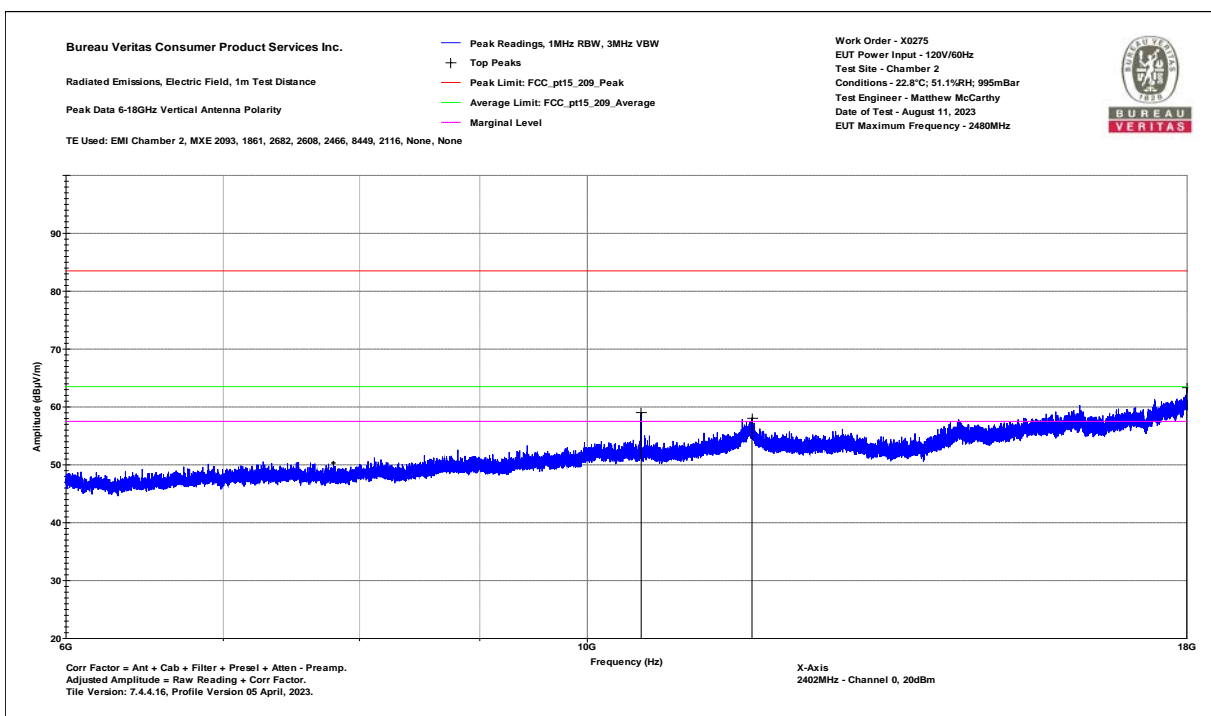


Bureau Veritas Consumer Product Services Inc.  
Radiated Emissions Electric Field 1m Distance  
Top Peaks Vertical 6-18GHz  
Notes:  
X-Axis  
2402MHz - Channel 0, 20dBm

Work Order - X0275  
EUT Power Input - 120V/60Hz  
Test Site - Chamber 2  
Conditions - 22.8°C; 51.1%RH; 995mBar  
Test Engineer - Matthew McCarthy  
Date of Test - August 11, 2023

Frequency (MHz)	Raw Peak Reading (dBμV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBμV/m)	Pk Lim: FCC_pt15_20 9_Peak (dBμV/m)	Margin to Peak Limit (dB)	Peak Limit Test Results (Pass/Fail)	Peak Limit Worst Margin (dB)	Av Lim: FCC_pt15_20 9_Average (dBμV/m)	Margin to Avg Limit (dB)	Avg Limit Test Results (Pass/Fail)	Avg Limit Worst Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
10542.6	Not in the Restricted Band												
11751.9	48.5	9.6	58.1	83.5	-25.4	PASS		63.5	-5.4	PASS		100	131
17993.7	46.5	16.8	63.3	83.5	-20.2	PASS	-20.2	63.5	-0.2	PASS	-0.2	100	0

6-18GHz Vertical Data Table



6-18GHz Vertical Plot



# Test Report for Yardi Systems Inc. Report No. EX0275-2 Issue 2

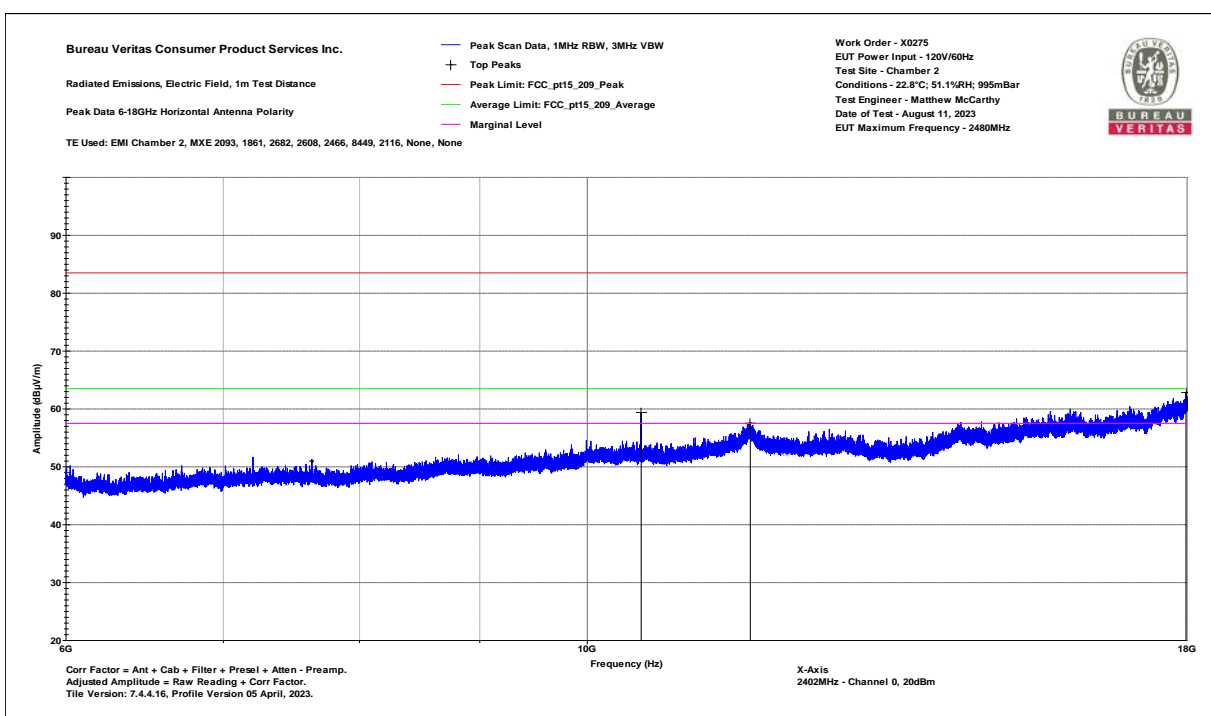


Bureau Veritas Consumer Product Services Inc.  
Radiated Emissions Electric Field 1m Distance  
Top Peaks Horizontal 6-18GHz  
Notes:  
X-Axis  
2402MHz - Channel 0, 20dBm

Work Order - X0275  
EUT Power Input - 120V/60Hz  
Test Site - Chamber 2  
Conditions - 22.8°C; 51.1%RH; 995mBar  
Test Engineer - Matthew McCarthy  
Date of Test - August 11, 2023

Frequency (MHz)	Raw Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_20 9_Peak (dBµV/m)	Margin to Peak Limit (dB)	Peak Limit Test Results (Pass/Fail)	Peak Limit Worst Margin (dB)	Av Lim: FCC_pt15_20 9_Average (dBµV/m)	Margin to Avg Limit (dB)	Avg Limit Test Results (Pass/Fail)	Avg Limit Worst Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
10542.9	Not in the Restricted Band												
11732.4	48	9.6	57.6	83.5	-25.9	PASS		63.5	-5.9	PASS		200	281
17981.1	46.1	16.7	62.8	83.5	-20.7	PASS	-20.7	63.5	-0.7	PASS	-0.7	200	0

6-18GHz Horizontal Data Table



6-18GHz Horizontal Plot



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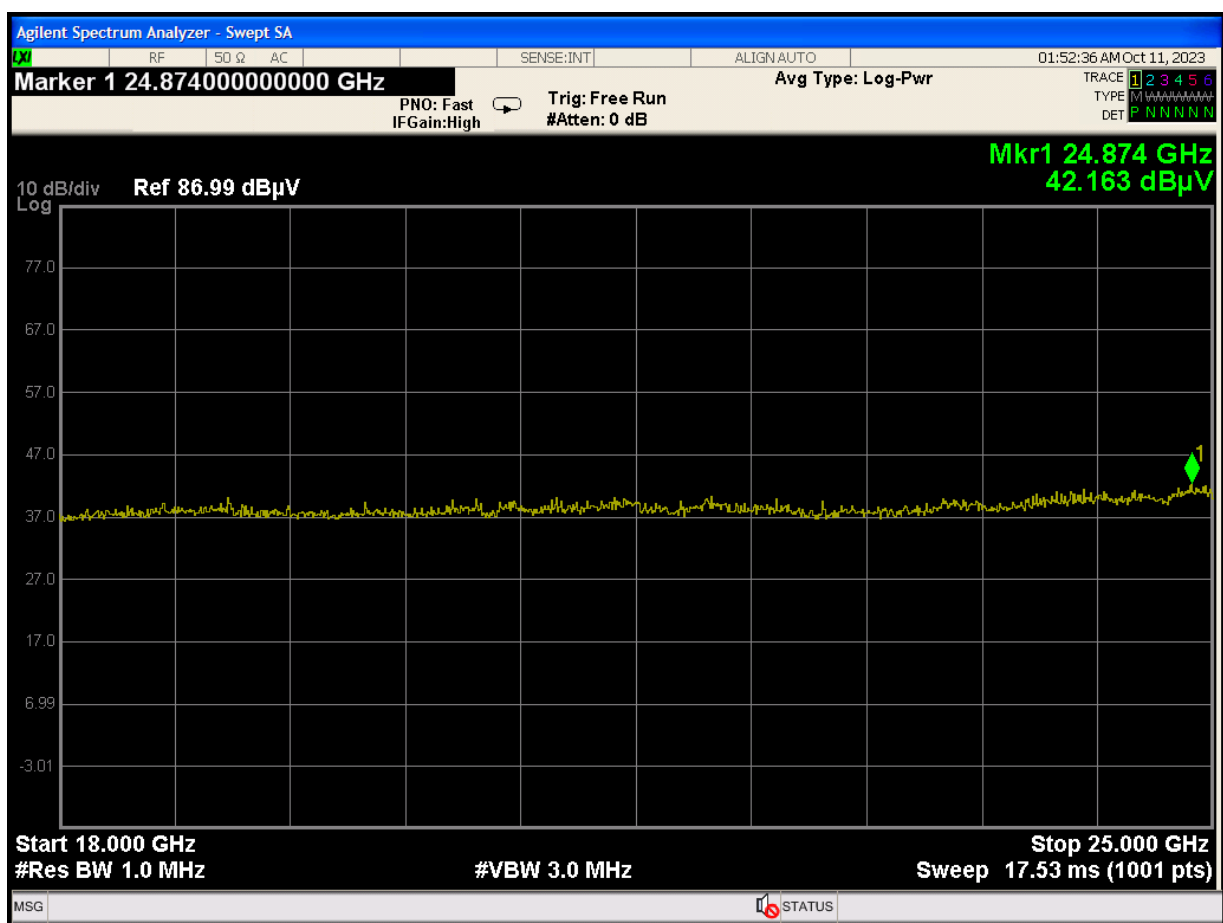
# Test Report for Yardi Systems Inc. Report No. EX0275-2 Issue 2



## Radiated Emissions Table

Date: 11-Oct-23		Company: Yardi				Work Order: X0275									
Engineer: Ryan M. Brown		EUT Desc: BLE Modular				EUT Operating Voltage/Frequency:									
Temp: 25.2		Humidity: 51%				Pressure: 1002									
Frequency Range: 18-25GHz						Measurement Distance: 1 m									
Notes: Low CH Power Setting 20dBm						EUT Max Freq: 2480									
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)	
H	24874.0	42.16	42.2	0.0	4.7	11.8	58.7	58.7	83.5	-24.8	Pass	63.5	-4.8	Pass	
Table Result:		Pass		by		-4.8 dB		Worst Freq: 24874.0 MHz							
Test Site: EMI Chamber 1				Cable 1: Asset #2690				Cable 2: ---				Cable 3: ---			
Analyzer: 2093				Preamp: None				Antenna: 2709				Preselector: ---			
CSsoft Radiated Emissions Calculator v 1.017.225															
Adjusted Reading = Reading - Preamp Factor + Antenna Factor + Cable Factor															
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## 18-25GHz Data Table



## 18-25GHz Plot





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## Test Report for Yardi Systems Inc. Report No. EX0275-2 Issue 2



### Results for BLE 1Mbps Channel 19

Bureau Veritas Consumer Product Services Inc.

Radiated Emissions Electric Field 3m Distance

Top Peaks Vertical 1-6GHz

Notes:

X-Axis

2440MHz - Channel 19, 20dBm

Work Order - X0275

EUT Power Input - 120V/60Hz

Test Site - Chamber 2

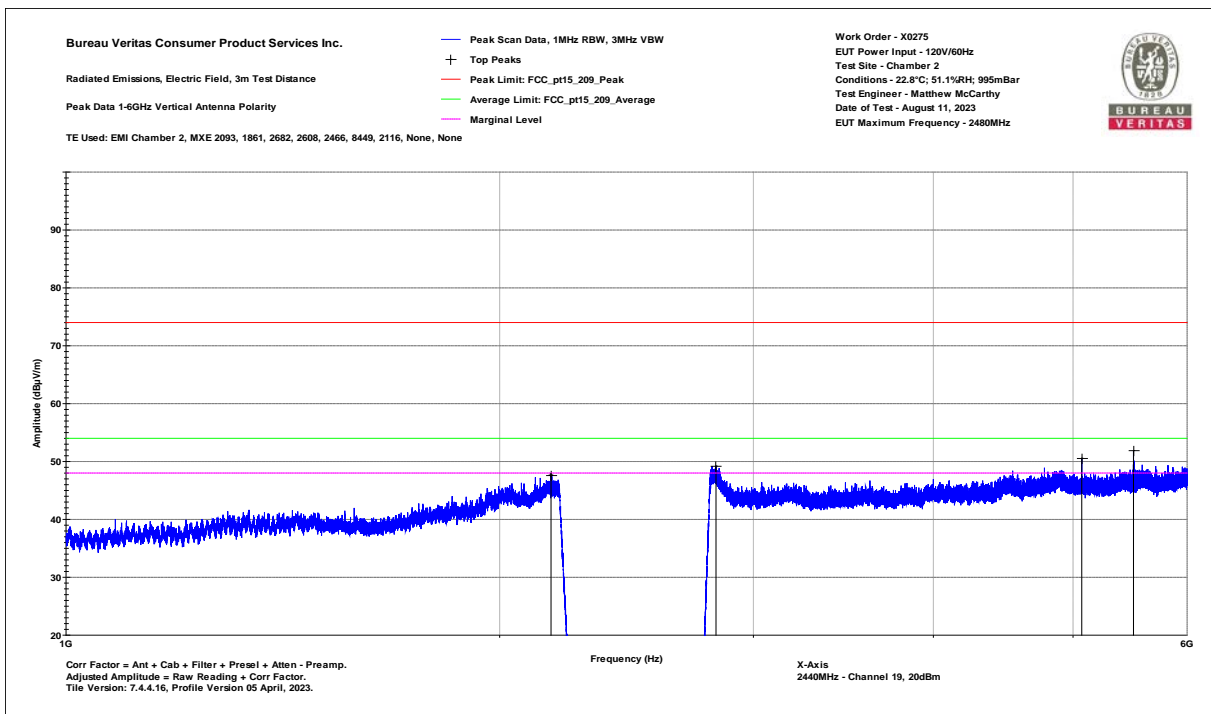
Conditions - 22.8°C; 51.1%RH; 995mBar

Test Engineer - Matthew McCarthy

Date of Test - August 11, 2023

Frequency (MHz)	Raw Peak Reading (dBμV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBμV/m)	Pk Lim: FCC_pt15_20 9_Peak (dBμV/m)	Margin to Peak Limit (dB)	Peak Limit Test Results (Pass/Fail)	Peak Limit Worst Margin (dB)	Av Lim: FCC_pt15_20 9_Average (dBμV/m)	Margin to Average Limit (dB)	Average Limit Test Result (Pass/Fail)	Average Limit Worst Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
2171.13	Not in a Restricted Band												
2825.88	46.1	3.1	49.2	74	-24.8	PASS		54	-4.8	PASS		300	0
5070.38	47.4	3.2	50.6	74	-23.4	PASS		54	-3.4	PASS		100	223
5507.88	Not in a Restricted Band												

### 1-6GHz Vertical Data Table



### 1-6GHz Vertical Plot

Bureau Veritas Consumer Product  
Services Inc.

One Distribution Center Circle, #1  
Littleton, MA

Tel.: (978) 486-8880  
Fax: (978) 486-8828



# Test Report for Yardi Systems Inc. Report No. EX0275-2 Issue 2

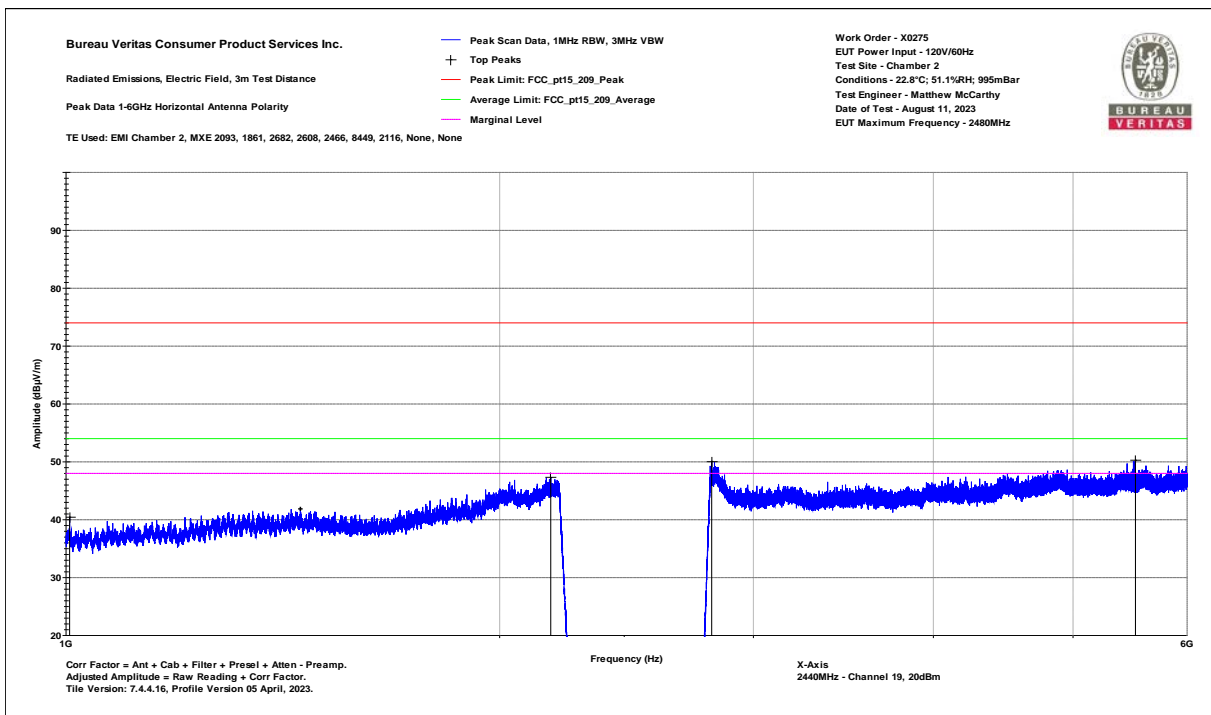


Bureau Veritas Consumer Product Services Inc.  
Radiated Emissions Electric Field 3m Distance  
Top Peaks Horizontal 1-6GHz  
Notes:  
X-Axis  
2440MHz - Channel 19, 20dBm

Work Order - X0275  
EUT Power Input - 120V/60Hz  
Test Site - Chamber 2  
Conditions - 22.8°C; 51.1%RH; 995mBar  
Test Engineer - Matthew McCarthy  
Date of Test - August 11, 2023

Frequency (MHz)	Raw Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_20 9_Peak (dBµV/m)	Margin to Peak Limit (dB)	Peak Limit Results (Pass/Fail)	Peak Limit Worst Margin (dB)	Av Lim: FCC_pt15_20 9_Average (dBµV/m)	Margin to Avg Limit (dB)	Avg Limit Results (Pass/Fail)	Avg Limit Worst Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
1005.75	49.7	-9.2	40.4	74	-33.6	PASS		54	-13.6	PASS		100	55
2170.13	Not in the Restricted Band												
2440.38	Fundamental												
2806.63	46	4.1	50.1	74	-23.9	PASS		54	-3.9	PASS		200	35
5524.88	Not in the Restricted Band												

1-6GHz Horizontal Data Table



1-6GHz Horizontal Plot



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## Test Report for Yardi Systems Inc. Report No. EX0275-2 Issue 2

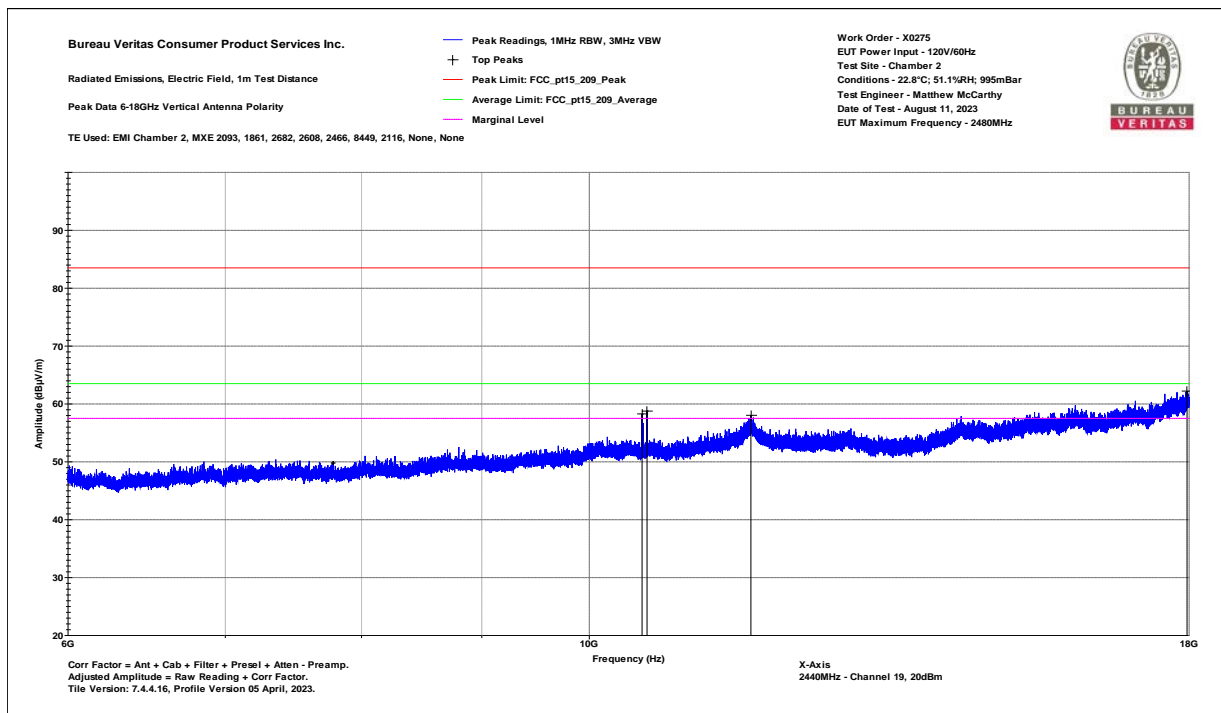


Bureau Veritas Consumer Product Services Inc.  
Radiated Emissions Electric Field 1m Distance  
Top Peaks Vertical 6-18GHz  
Notes:  
X-Axis  
2440MHz - Channel 19, 20dBm

Work Order - X0275  
EUT Power Input - 120V/60Hz  
Test Site - Chamber 2  
Conditions - 22.8°C; 51.1%RH; 995mBar  
Test Engineer - Matthew McCarthy  
Date of Test - August 11, 2023

Frequency (MHz)	Raw Peak Reading (dBμV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBμV/m)	Pk Lim: FCC_pt15_20 9_Peak (dBμV/m)	Margin to Peak Limit (dB)	Peak Limit Test Results (Pass/Fail)	Peak Limit Worst Margin (dB)	Av Lim: FCC_pt15_20 9_Average (dBμV/m)	Margin to Avg Limit (dB)	Avg Limit Test Results (Pass/Fail)	Avg Limit Worst Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
10531.2	Not in the Restricted Band												
10582.2	Not in the Restricted Band												
11716.8	48.4	9.6	58	83.5	-25.5	PASS		63.5	-5.5	PASS		150	298
17964.3	45.6	16.6	62.1	83.5	-21.4	PASS	-21.4	63.5	-1.4	PASS	-1.4	100	223

6-18GHz Vertical Data Table



6-18GHz Vertical Plot



# Test Report for Yardi Systems Inc. Report No. EX0275-2 Issue 2

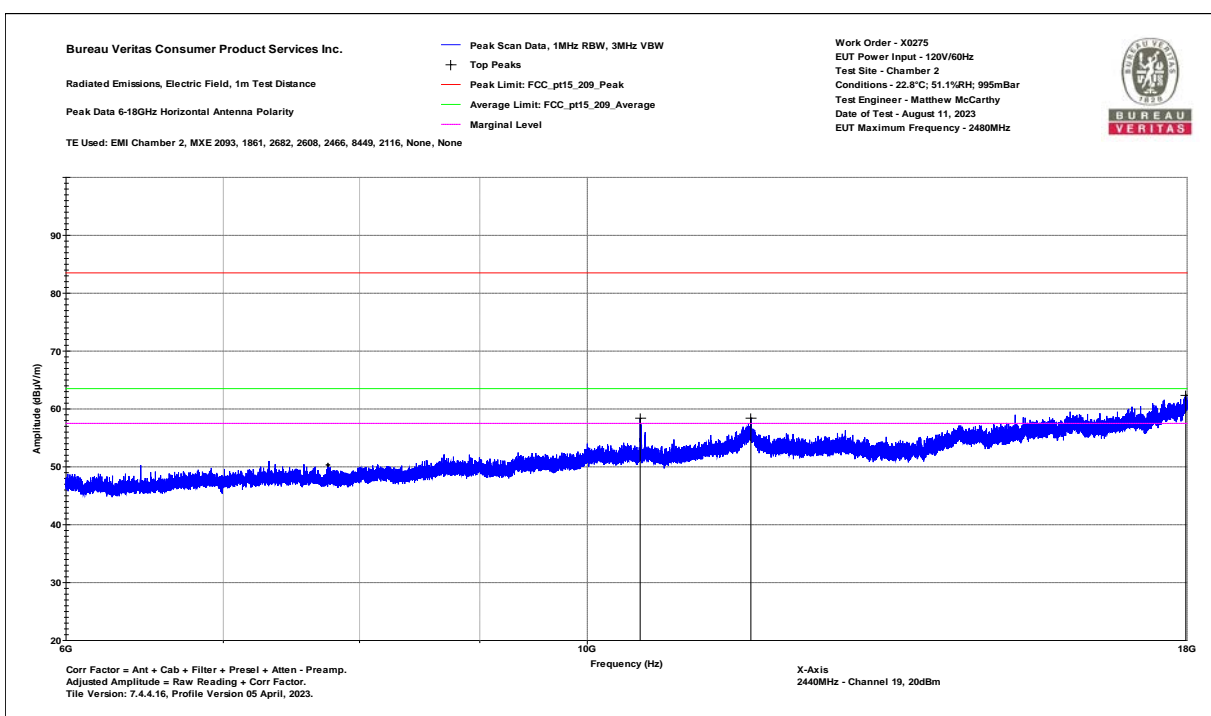


Bureau Veritas Consumer Product Services Inc.  
Radiated Emissions Electric Field 1m Distance  
Top Peaks Horizontal 6-18GHz  
Notes:  
X-Axis  
2440MHz - Channel 19, 20dBm

Work Order - X0275  
EUT Power Input - 120V/60Hz  
Test Site - Chamber 2  
Conditions - 22.8°C; 51.1%RH; 995mBar  
Test Engineer - Matthew McCarthy  
Date of Test - August 11, 2023

Frequency (MHz)	Raw Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_20 9_Peak (dBµV/m)	Margin to Peak Limit (dB)	Peak Limit Test Results (Pass/Fail)	Peak Limit Worst Margin (dB)	Av Lim: FCC_pt15_20 9_Average (dBµV/m)	Margin to Avg Limit (dB)	Avg Limit Test Results (Pass/Fail)	Avg Limit Worst Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
10532.4	Not in the Restricted Zone												
11739.3	48.8	9.6	58.4	83.5	-25.1	PASS		63.5	-5.1	PASS		150	168
17977.8	45.7	16.7	62.4	83.5	-21.1	PASS	-21.1	63.5	-1.1	PASS	-1.1	200	150

6-18GHz Horizontal Data Table

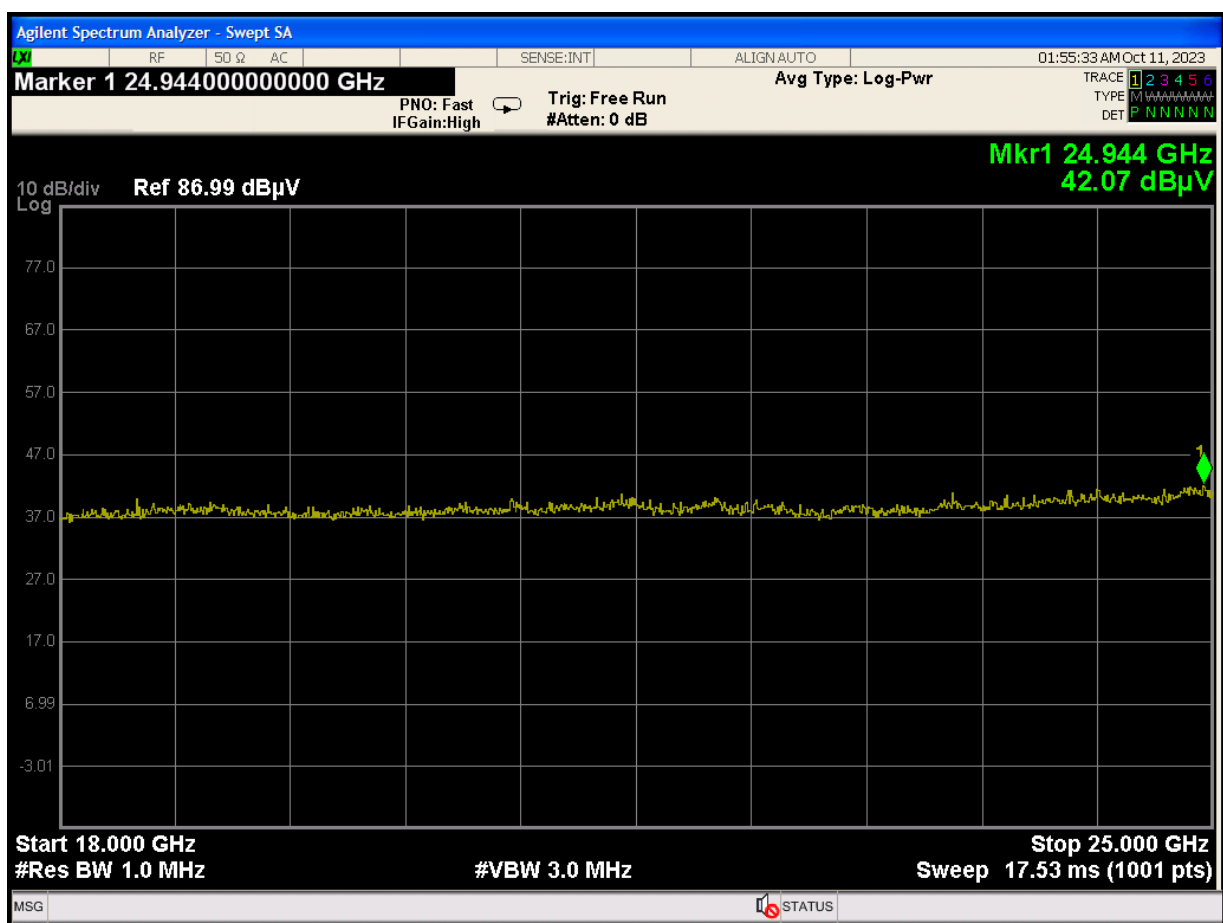


6-18GHz Horizontal Plot

## Radiated Emissions Table

Date: 11-Oct-23		Company: Yardi				Work Order: X0275									
Engineer: Ryan M. Brown		EUT Desc: BLE Modual				EUT Operating Voltage/Frequency:									
Temp: 25.2		Humidity: 51%				Pressure: 1002									
Frequency Range: 18-25GHz						Measurement Distance: 1 m									
Notes: MidCH Power Setting 20dBm						EUT Max Freq: 2480									
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)	
H	24944.0	42.07	42.1	0.0	4.8	11.8	58.7	58.7	83.5	-24.8	Pass	63.5	-4.8	Pass	
Table Result:		Pass		by		-4.8 dB		Worst Freq: 24944.0 MHz							
Test Site: EMI Chamber 1				Cable 1: Asset #2690				Cable 2: ---				Cable 3: ---			
Analyzer: 2093				Preamp: None				Antenna: 2709				Preselector: ---			
CSsoft Radiated Emissions Calculator v 1.017.225															
Adjusted Reading = Reading - Preamp Factor + Antenna Factor + Cable Factor															
Copyright Curtis-Straus LLC 2000															

### 18-25GHz Data Table



### 18-25GHz Plot



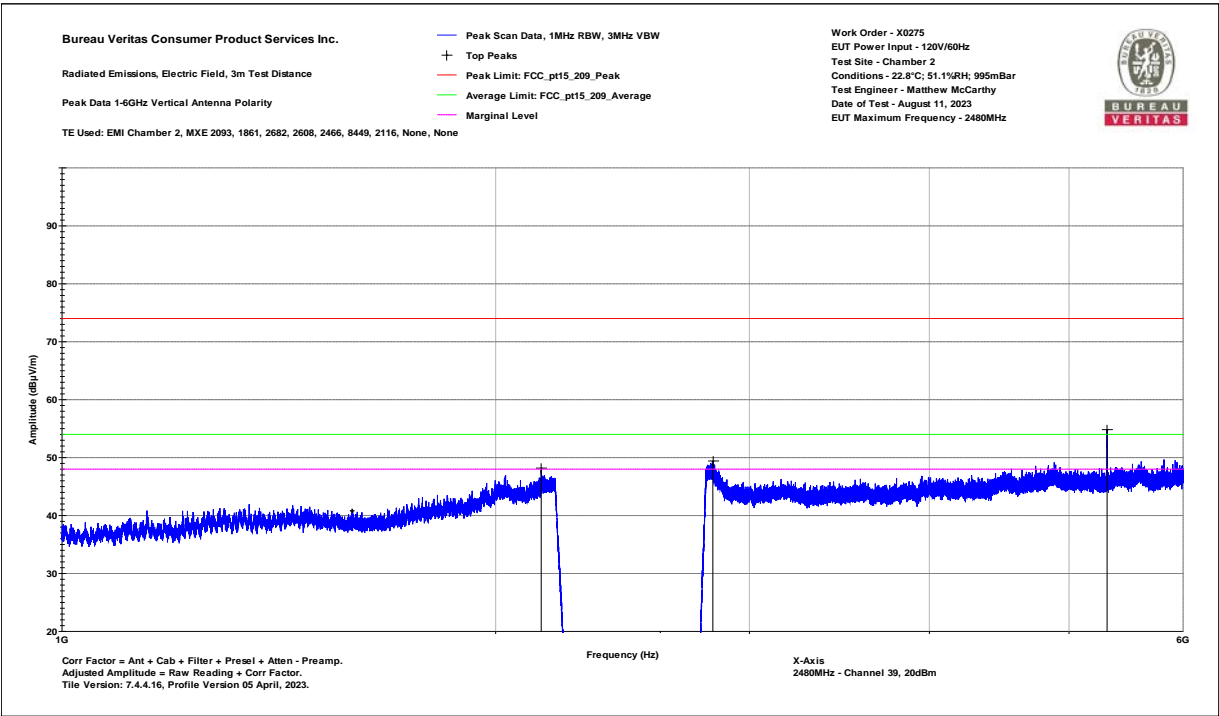
Test Report for Yardi Systems Inc.  
Report No. EX0275-2 Issue 2



Results for BLE 1Mbps Channel 39

Bureau Veritas Consumer Product Services Inc. Radiated Emissions Electric Field 3m Distance Top Peaks Vertical 1-6GHz Notes: X-Axis 2480MHz - Channel 39, 20dBm						Work Order - X0275 EUT Power Input - 120V/60Hz Test Site - Chamber 2 Conditions - 22.8°C; 51.1%RH; 995mBar Test Engineer - Matthew McCarthy Date of Test - August 11, 2023							
Frequency (MHz)	Raw Peak Reading (dBµV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBµV/m)	Pk Lim: FCC_pt15_20 9_Peak (dBµV/m)	Margin to Peak Limit (dB)	Peak Limit Test Results (Pass/Fail)	Peak Limit Worst Margin (dB)	Av Lim: FCC_pt15_20 9_Average (dBµV/m)	Margin to Average Limit (dB)	Average Limit Test Result (Pass/Fail)	Average Limit Worst Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
2151	Not in a restricted band												
2830	46.5	2.9	49.4	74	-24.6	PASS	-24.6	54	-4.6	PASS	-4.6	200	315
5313.88	Not in a restricted band												

1-6GHz Vertical Data Table



1-6GHz Vertical Plot



# Test Report for Yardi Systems Inc. Report No. EX0275-2 Issue 2

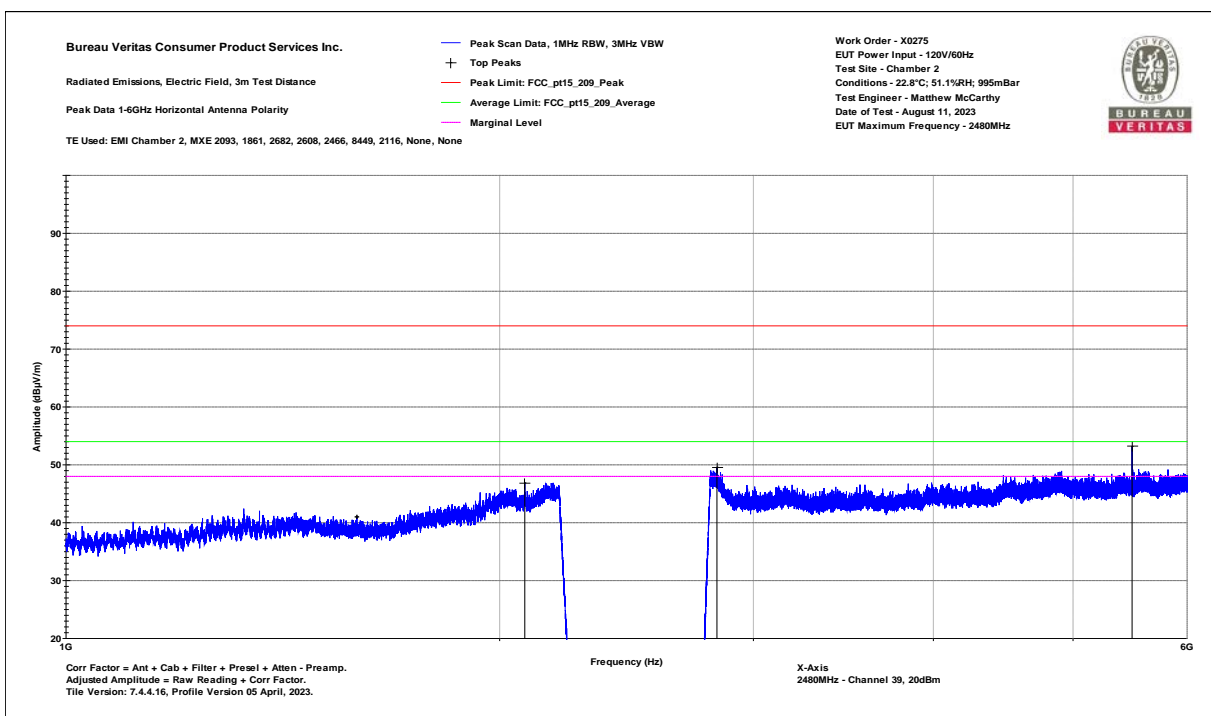


Bureau Veritas Consumer Product Services Inc.  
Radiated Emissions Electric Field 3m Distance  
Top Peaks Horizontal 1-6GHz  
Notes:  
X-Axis  
2480MHz - Channel 39, 20dBm

Work Order - X0275  
EUT Power Input - 120V/60Hz  
Test Site - Chamber 2  
Conditions - 22.8°C; 51.1%RH; 995mBar  
Test Engineer - Matthew McCarthy  
Date of Test - August 11, 2023

Frequency (MHz)	Raw Peak Reading (dBμV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBμV/m)	PK Lim: FCC_pt15_20 9_Peak (dBμV/m)	Margin to Peak Limit (dB)	Peak Limit Results (Pass/Fail)	Peak Limit Worst Margin (dB)	Av Lim: FCC_pt15_20 9_Average (dBμV/m)	Margin to Avg Limit (dB)	Avg Limit Results (Pass/Fail)	Avg Limit Worst Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
2082	Not in a restricted band												
2830.38	46.7	2.9	49.6	74	-24.4	PASS		54	-4.4	PASS		300	148
5495.38	Not in a restricted band												

## 1-6GHz Horizontal Data Table



## 1-6GHz Horizontal Plot



# Test Report for Yardi Systems Inc. Report No. EX0275-2 Issue 2

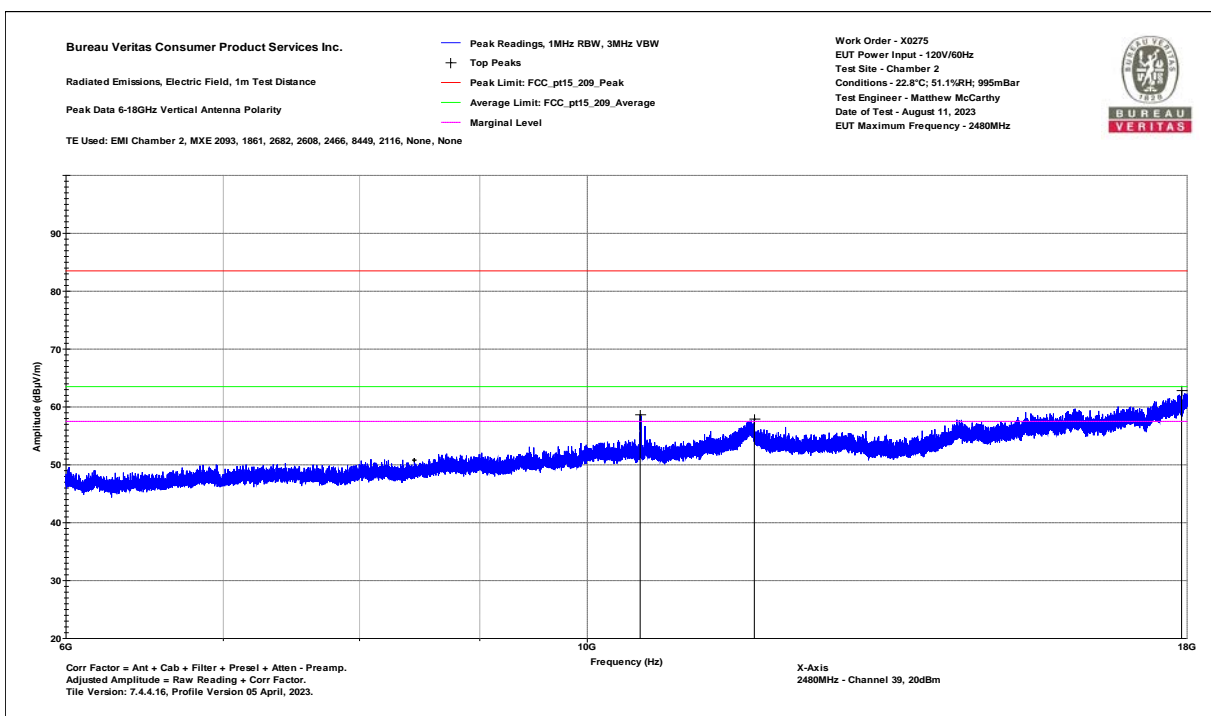


Bureau Veritas Consumer Product Services Inc.  
Radiated Emissions Electric Field 1m Distance  
Top Peaks Vertical 6-18GHz  
Notes:  
X-Axis  
2480MHz - Channel 39, 20dBm

Work Order - X0275  
EUT Power Input - 120V/60Hz  
Test Site - Chamber 2  
Conditions - 22.8°C; 51.1%RH; 995mBar  
Test Engineer - Matthew McCarthy  
Date of Test - August 11, 2023

Frequency (MHz)	Raw Peak Reading (dBμV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBμV/m)	Pk Lim: FCC_pt15_20 9_Peak (dBμV/m)	Margin to Peak Limit (dB)	Peak Limit Test Results (Pass/Fail)	Peak Limit Worst Margin (dB)	Av Lim: FCC_pt15_20 9_Average (dBμV/m)	Margin to Avg Limit (dB)	Avg Limit Test Results (Pass/Fail)	Avg Limit Worst Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
10532.4	Not in the Restricted Band												
11779.2	48.5	9.4	57.9	83.5	-25.6	PASS		63.5	-5.6	PASS		125	260
17904.3	47	15.8	62.8	83.5	-20.7	PASS	-20.7	63.5	-0.7	PASS	-0.7	125	315

6-18GHz Vertical Data Table



6-18GHz Vertical Plot





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## Test Report for Yardi Systems Inc. Report No. EX0275-2 Issue 2

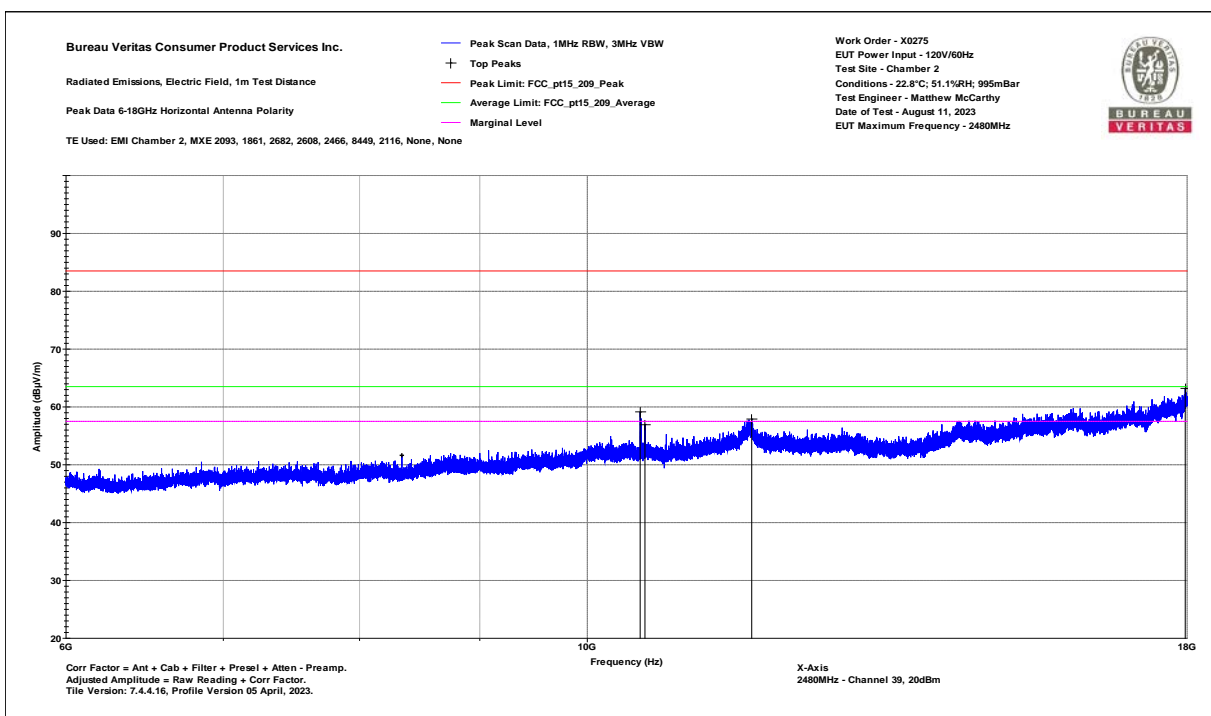


Bureau Veritas Consumer Product Services Inc.  
Radiated Emissions Electric Field 1m Distance  
Top Peaks Horizontal 6-18GHz  
Notes:  
X-Axis  
2480MHz - Channel 39, 20dBm

Work Order - X0275  
EUT Power Input - 120V/60Hz  
Test Site - Chamber 2  
Conditions - 22.8°C; 51.1%RH; 995mBar  
Test Engineer - Matthew McCarthy  
Date of Test - August 11, 2023

Frequency (MHz)	Raw Peak Reading (dBμV)	Correction Factor (dB/m)	Adjusted Peak Amplitude (dBμV/m)	Pk Lim: FCC_pt15_20 9_Peak (dBμV/m)	Margin to Peak Limit (dB)	Peak Limit Test Results (Pass/Fail)	Peak Limit Worst Margin (dB)	Av Lim: FCC_pt15_20 9_Average (dBμV/m)	Margin to Avg Limit (dB)	Avg Limit Test Results (Pass/Fail)	Avg Limit Worst Margin (dB)	Antenna Height (cm)	EUT Azimuth (degrees)
10532.1	Not in the Restricted Band												
10581.3	Not in the Restricted Band												
11748.6	48.3	9.6	57.9	83.5	-25.6	PASS		63.5	-5.6	PASS		200	170
17967	46.6	16.6	63.2	83.5	-20.3	PASS	-20.3	63.5	-0.3	PASS	-0.3	150	17

6-18GHz Horizontal Data Table

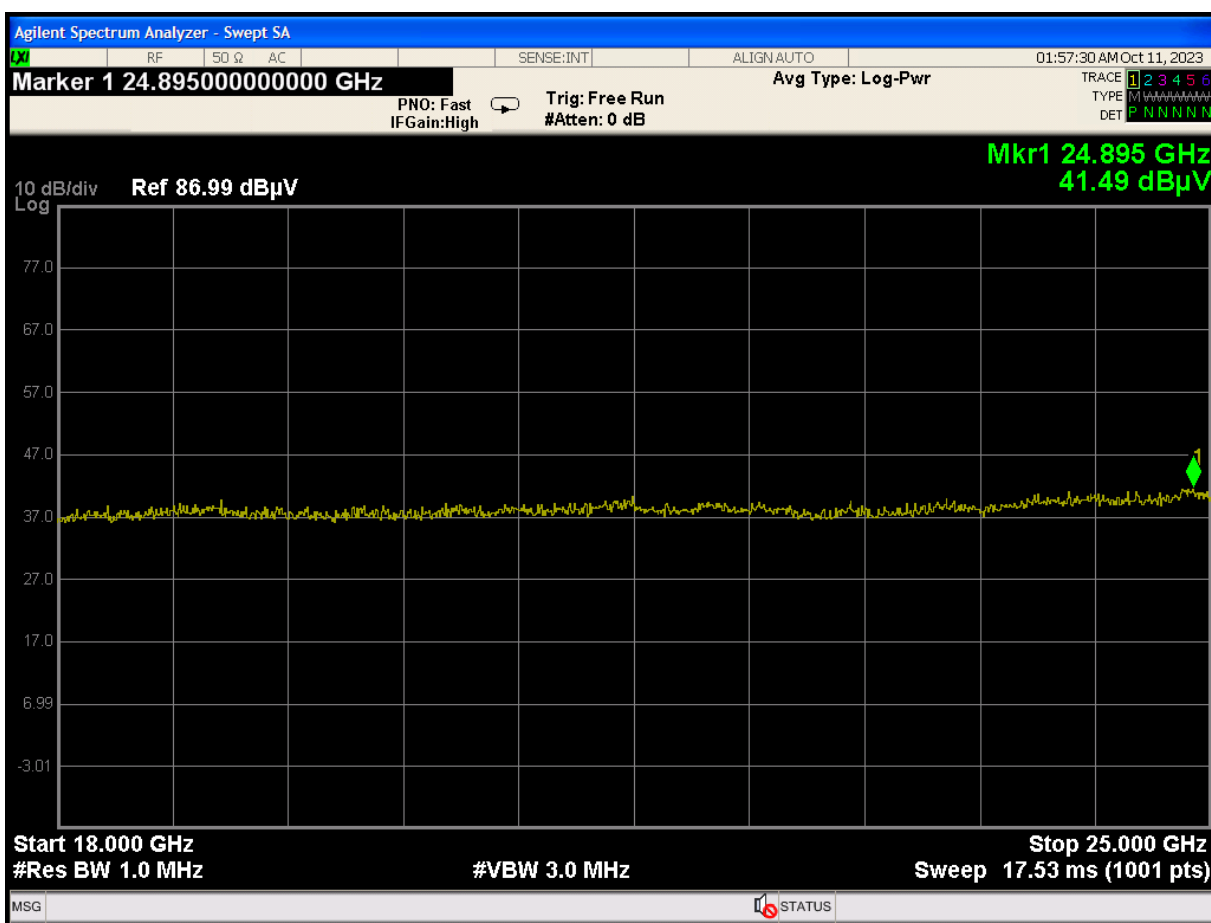


6-18GHz Horizontal Plot

## Radiated Emissions Table

Date: 11-Oct-23		Company: Yardi		Work Order: X0275										
Engineer: Ryan M. Brown		EUT Desc: BLE Modular		EUT Operating Voltage/Frequency:										
Temp: 25.2		Humidity: 51%		Pressure: 1002										
Frequency Range: 18-25GHz				Measurement Distance: 1 m										
Notes: High CH Power Setting 20dBm				EUT Max Freq: 2480										
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)
H	24895.0	41.49	41.5	0.0	4.7	11.8	58.0	58.0	83.5	-25.5	Pass	63.5	-5.5	Pass
Table Result:		Pass		by		-5.5 dB				Worst Freq:		24895.0 MHz		
Test Site: EMI Chamber 1		Cable 1: Asset #2690		Cable 2: ---		Cable 3: ---								
Analyzer: 2093		Preamp: None		Antenna: 2709		Preselector: ---								
CSsoft Radiated Emissions Calculator v 1.017.225						Copyright Curtis-Straus LLC 200								
Adjusted Reading = Reading - Preamp Factor + Antenna Factor + Cable Factor														

### 18-25GHz Data Table



### 18-25GHz Plot



# Test Report for Yardi Systems Inc. Report No. EX0275-2 Issue 2



## Radiated Band-edge

Radiated Emissions Table															
Date: 10-Aug-23				Company: Yardi				Work Order: X0275							
Engineer: Ryan M Brown				EUT Desc: BT Module				EUT Operating Voltage/Frequency: 3VDC							
Temp: 23.5C				Humidity: 50%				Pressure: 993							
Frequency Range: Band Edge								Measurement Distance: 1 m							
Notes: Power Setting 20dBm															
Duty-Cycle: 84%, DCCF = 10*log(1/0.84) = 0.8dB, Average readings below are RMS (power averaged) over 200 traces with trace averaging.															
0.8dB DCCF added to the RMS readings (already reflected in the readings below).															
Antenna Polarization (H/V)		Frequency (MHz)	Peak Reading (dBuV)	Average Reading (dBuV)	Preamp Factor (dB)	Antenna Factor (dB/m)	Cable Factor (dB)	Adjusted Peak Reading (dBuV/m)	Adjusted Avg Reading (dBuV/m)	FCC 15.209 - Peak			FCC 15.209 - Average		
										Limit (dBuV/m)	Margin (dB)	Result (Pass/Fail)	Limit (dBuV/m)	Margin (dB)	Result (Pass/Fail)
X-Axis Low Ch 1Mbps Data Rate															
H		2390.0	23.9	15.8	0.0	32.6	3.2	59.7	51.6	83.5	-23.8	Pass	63.5	-11.9	Pass
V		2390.0	24.6	15.7	0.0	32.6	3.2	60.4	51.5	83.5	-23.1	Pass	63.5	-12.0	Pass
X-Axis High Ch 1Mbps Data Rate															
H		2483.5	26.2	18.2	0.0	32.8	3.0	62.0	54.0	83.5	-21.5	Pass	63.5	-9.5	Pass
V		2483.5	24.2	16.4	0.0	32.8	3.0	60.0	52.2	83.5	-23.5	Pass	63.5	-11.3	Pass
X-Axis Low Ch 2Mbps Data Rate															
H		2390.0	24.0	15.4	0.0	32.6	3.2	59.8	51.2	83.5	-23.7	Pass	63.5	-12.3	Pass
V		2390.0	24.2	14.8	0.0	32.6	3.2	60.0	50.6	83.5	-23.5	Pass	63.5	-12.9	Pass
X-Axis High Ch 2Mbps Data Rate															
H		2483.5	28.1	19.6	0.0	32.8	3.0	63.9	55.4	83.5	-19.6	Pass	63.5	-8.1	Pass
V		2483.5	24.9	17.1	0.0	32.8	3.0	60.7	52.9	83.5	-22.8	Pass	63.5	-10.6	Pass
Table Result: Pass by -8.1 dB Worst Freq: 2483.5 MHz															
Test Site: EMI Chamber 1				Cable 1: Asset #2681				Cable 2: Asset #2610				Cable 3: ---			
Analyzer: MXE 1170725				Preamp: None				Antenna: Blue Horn				Preselector: ---			
CSsoft Radiated Emissions Calculator v 1.017.225															
Adjusted Reading = Reading - Preamp Factor + Antenna Factor + Cable Factor															
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**Notch filter range:** 2.2GHz to 2.8GHz notch filter range was checked for emissions and no emissions were found. No differences observed between horizontal or vertical antenna polarizations.



## 5 PHOTOGRAPHS OF THE TEST CONFIGURATION

Please refer to the Test Setup Photos exhibit.



## 6 APPENDIX A – MODIFICATIONS

No modifications were made to the EUT during testing.

---END OF REPORT---