



Test Report for Dogwatch Inc.
Report No. EX0425-2 Issue 1



TEST REPORT

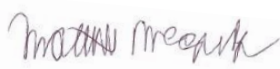

| | |
|-----------|---|
| Applicant | Dogwatch Inc. |
| Address | 10 Michigan Drive Natick, MA 01760 USA |

| | |
|----------------------------------|-------------------------------|
| FCC ID | L66DWSFP2 |
| ISED Canada IC | 8187A-DWSFP2 |
| Product Description | SmartFence Portal |
| PMN Model/HVIN | SmartFence Portal SF-P10-2 |
| Additional Models | None |
| Date of tests | May 30, 2023 – Jun 6, 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 15.249**
- ☒ **ISED Canada RSS-210 Issue 10 Annex B.10**

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

| | |
|---|---|
| Prepared by Matthew McCarthy EMC Engineer I | Approved by Yunus Faziloglu Wireless Manager |
|  |  |
| Report Issue Date: Jul-27-2023 | Issue Number: 1 |

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RELEASE CONTROL RECORD

| ISSUE NO. | REASON FOR CHANGE | DATE ISSUED |
|-----------|-------------------|-------------|
| 1 | Original release | Jul-27-2023 |



1 SUMMARY OF TEST RESULTS

EUT was tested against the following requirements:

| APPLIED STANDARD: FCC PART 15, SUBPART C (SECTION 15.249), RSS-210 | | | | |
|--|---------------------|-----------------------------------|------------|--------|
| STANDARD SECTION | | TEST TYPE AND LIMIT | APPLICABLE | RESULT |
| 47CFR15 | RSS | | | |
| 15.207 | Gen 8.8 | AC Power Line Conducted Emissions | Y | PASS |
| 15.249 15.209 | 210 B.10 Gen 8.9 | Radiated Spurious Emissions | Y | PASS |
| 15.215(c) | -- | 20dB Bandwidth | Y | PASS |
| -- | Gen 6.7 | 99% Occupied Bandwidth | Y | PASS |
| 15.203 | Gen 6.8 | Antenna Requirement | Y | PASS |

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) | 3.23×10^{-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 | | |

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

| | |
|--|---|
| NOMINAL VOLTAGE | AC/DC Power Adapter (5VDC) |
| MODULATION TYPES | FSK |
| DATA RATES | 3kbps |
| OPERATING FREQUENCY | 922.9 – 924.1MHz |
| EUT Power Setting | Default (maximum) |
| FIELD STRENGTH | External Antenna: 91.1dBuV/m at 3m Internal Antenna: 88.6dBuV/m at 3m |
| ANTENNA TYPE (Customer Supplied Information) | External Antenna: ½ wave dipole with 1.2dBi peak gain Internal Antenna: ¼ wave surface mount patch with 1.4dBi peak gain |

| EUT Ports: | | | | | | | | | |
|-------------------|------------------|---------------------|----------------------|-------------------|-----------------|-----------------|---------------|-------------------|--------------------|
| Port Label | Port Type | No. of ports | No. Populated | Cable Type | Shielded | Ferrites | Length | Max Length | In/Out Type |
| DC Power | Power | 1 | 1 | DC Power | Yes | No | 2m | 2m | Indoor |
| Ethernet | CAT5 | 1 | 1 | CAT5 | No | No | 3m | 10m | Indoor |

Lowest clock frequency in the device (used/generated): 4MHz

Highest clock frequency in the device (used/generated): 1.2GHz

AC/DC power adapter supplied with the EUT:

| Manufacturer | Model | Rating |
|---------------------|----------------|--|
| Delta Electronics | MDS-005AAS05 B | Input: 100-240VAC, 0.1-0.2A, 50/60Hz Output: 5VDC, 1A |

NOTES:

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

3.2 DESCRIPTION OF TEST MODES

EUT channel list:

| CHANNEL | FREQ. (MHZ) |
|---------|----------------|
| 1 | 922.9 |
| 2 | 923.1 |
| 3 | 923.5 |
| 4 | 924.1 |

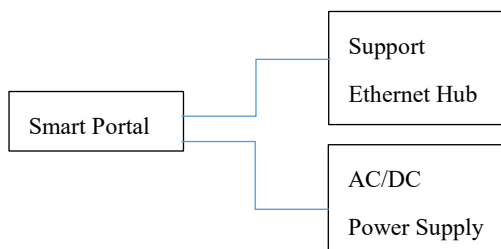
2 samples were provided for testing. One programmed for low channel (922.9MHz) and the other programmed for high channel (924.1MHz). Samples were powered by customer supplied AC/DC power adapter.

EUT configuration modes:

| TEST MODE | DESCRIPTION |
|-----------|--|
| A | Continuous Transmit at 3kbps (Duty-cycle: 100%) |
| | |

EUT SETUP BLOCK DIAGRAMS

Radiated and AC Line Conducted Emissions EUT Setup



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

| TEST | TEST MODE | AVAILABLE CHANNELS | TESTED CHANNEL | MODULATION TYPE | DATA RATE (Mbps) | Notes |
|--------|-----------|--------------------|----------------|-----------------|------------------|-------|
| FFS | A | 1 to 4 | 1, 4 | FSK | 3kbps | 0 |
| 20DB | A | 1 to 4 | 1, 4 | FSK | 3kbps | 1, 4 |
| OBW | A | 1 to 4 | 1, 4 | FSK | 3kbps | 1 |
| RSE<1G | A | 1 to 4 | 1, 4 | FSK | 3kbps | 1, 2 |
| RSE≥1G | A | 1 to 4 | 1, 4 | FSK | 3kbps | 1 |
| RBE | A | 1 to 4 | 1, 4 | FSK | 3kbps | 1 |
| PLCE | A | 1 to 4 | 1, 4 | FSK | 3kbps | 3 |

Note 0: Only X and Y orientations of the EUT was tested per customer declared normal installation positions. Internal antenna cannot be maximized further. External swivel antenna was tested in both its vertical and horizontal positions.

Note 1: Testing was performed on Y axis of the EUT for internal antenna configuration. For external antenna configuration, EUT was in X axis and external antenna in horizontal configuration as seen in the test setup photos exhibit. These positions were identified based on fundamental field strength test results as the worst case positions.

Note 2: Testing below 30MHz was limited to 1 channel only since no emissions were detected in this range.

Note 3: Testing for AC power line conducted emissions was performed on low channel for external antenna and on high channel for internal antenna.

Note 4: For 20dB bandwidth test, 26dB bandwidth is reported. This is considered as worst case, since 26dB bandwidth is wider than the 20dB bandwidth by definition.

FFS: Fundamental Field Strength

20DB: 20dB Bandwidth

OBW: 99% Occupied Bandwidth

RSE<1G: Radiated Spurious Emissions Below 1GHz

RSE≥1G: Radiated Spurious Emissions Above 1GHz

RBE: Radiated Band-edge

PLCE: Power Line Conducted Emissions

TEST CONDITIONS:

| APPLICABLE TO | ENVIRONMENTAL CONDITIONS | INPUT POWER | TESTED BY | DATE OF TEST |
|---------------|----------------------------|-------------|-----------|--------------|
| RE<1G | 22.3°C, 42% RH, 1002 mbar | 120VAC | RB | Jun 5, 2023 |
| RE≥1G | 22.3°C, 42% RH, 1002 mbar | 120VAC | RB | Jun 5, 2023 |
| PLCE | 21.5°C, 47.7% RH, 995 mbar | 120VAC | RB | Jun 6, 2023 |
| FFS, RBE | 22.3°C, 42% RH, 1002 mbar | 120VAC | RB | May 30, 2023 |
| OBW, 20DB | 22.3°C, 42% RH, 1002 mbar | 120VAC | RB | Jun 5, 2023 |



3.3 MEASUREMENT PROCEDURES USED

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

ANSI C63.10-2013

3.4 DESCRIPTION OF SUPPORT EQUIPMENT

| Support Equipment | Model # |
|----------------------------|---------|
| Netgear Hub (lab supplied) | DS104 |

4 TEST RESULTS

4.1 AC LINE CONDUCTED EMISSIONS

4.1.1 LIMITS

| FREQUENCY OF EMISSION (MHz) | CONDUCTED LIMIT (dBμV) | |
|-----------------------------|------------------------|----------|
| | Quasi-peak | Average |
| 0.15 ~ 0.5 | 66 to 56 | 56 to 46 |
| 0.5 ~ 5 | 56 | 46 |
| 5 ~ 30 | 60 | 50 |

NOTE: 1. Lower limit applies at the transition frequencies.
2. Limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

4.1.2 TEST EQUIPMENT USED

| | | | | | | | | | |
|---|-----------------|-----------|-------------------|---------------|--------------|------------|------------------------|----------------------|--|
| Rev. 6/27/2023 | | | | | | | | | |
| Spectrum Analyzers / Receivers /Preselectors | Range | MN | Mfr | SN | Asset | Cat | Calibration Due | Calibrated on | |
| Rental MXE EMI Receiver(1168255) | 20Hz-8.4GHz | N9038A | Agilent | MY53290009 | 1168255 | I | 8/12/2023 | 8/12/2022 | |
| LISNs/Measurement Probes | Range | MN | Mfr | SN | Asset | Cat | Calibration Due | Calibrated on | |
| LISN Asset 2092 | 150KHz-30MHz | NNLK 8121 | Schwarzbeck | NNLK 8121-662 | 2092 | I | 10/31/2023 | 10/31/2022 | |
| Conducted Test Sites (Mains / Telco) | FCC Code | | VCCI Code | | | Cat | Calibration Due | Calibrated on | |
| CEMI 1 | 719150 | | A-0015 | | | III | NA | N/A | |
| Meteorological Meters/Chambers | | MN | Mfr | SN | Asset | Cat | Calibration Due | Calibrated on | |
| Weather Clock (Pressure Only) | | BA928 | Oregon Scientific | C3166-1 | 831 | I | 12/15/2025 | 12/15/2022 | |
| Asset #2657 | | 1235C97 | Control Company | 200435369 | 2657 | I | 8/18/2025 | 8/18/2022 | |
| Cables | Range | | Mfr | | | Cat | Calibration Due | Calibrated on | |
| CEMI-15 | 9kHz - 2GHz | | C-S | | | II | 2/14/2024 | 2/14/2023 | |
| Attenuators | Range | MN | Mfr | SN | Asset | Cat | Calibration Due | Calibrated on | |
| 20dB Attenuator-64 | 9kHz-2GHz | | | N/A | | II | 8/3/2023 | 8/3/2022 | |

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



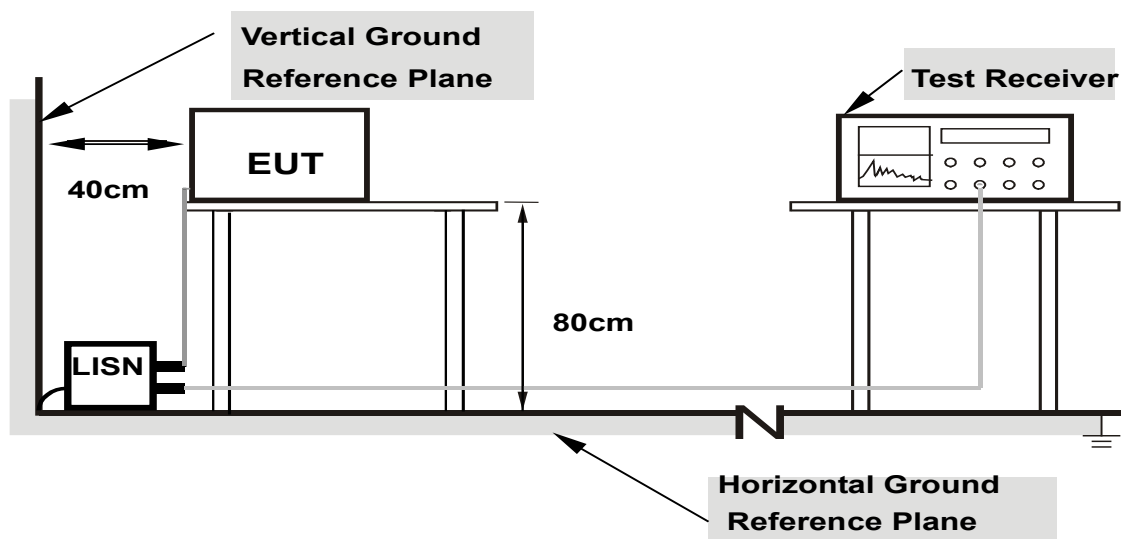
4.1.3 TEST PROCEDURES

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) were not recorded. RBW of 9kHz and VBW of 30kHz were used during measurement.

4.1.4 DEVIATIONS

No deviations from the standard.

4.1.5 TEST SETUP



**Note: 1.Support units were connected to second LISN.
2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes**

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

4.1.6 EUT OPERATING CONDITIONS

EUT was operated according to manufacturer's specifications.



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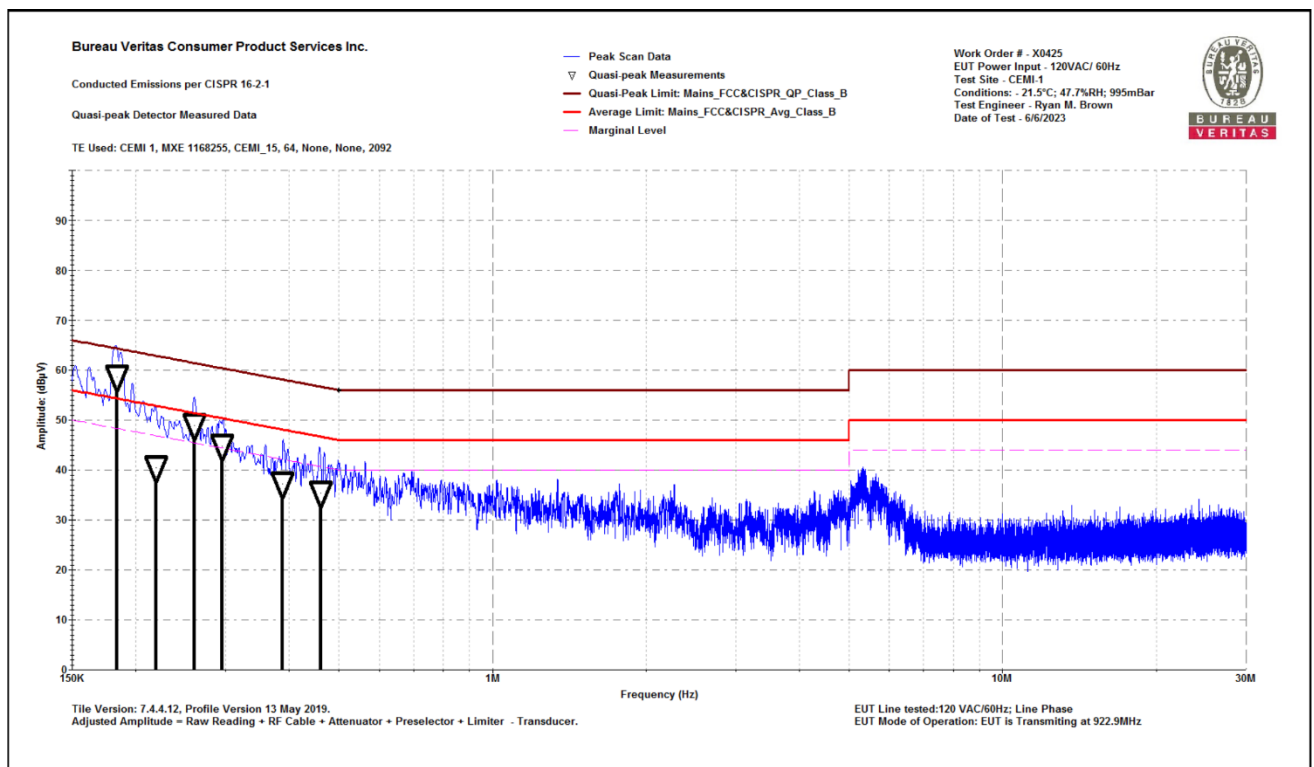
4.1.7 TEST RESULTS

External Antenna

| | |
|--|--|
| Bureau Veritas Consumer Product Services Inc. | Work Order # - X0425 |
| Conducted Emissions per CISPR 16-2-1 | EUT Power Input - 120VAC/ 60Hz |
| Quasi-peak Detector Data | Test Site - CEMI-1 |
| Notes: | Conditions: - 21.5°C; 47.7%RH; 995mBar |
| EUT Line tested:120 VAC/60Hz; Line Phase | Test Engineer - Ryan M. Brown |
| EUT Mode of Operation: EUT is Transmitting at 922.9MHz | Date of Test - 6/6/2023 |

| 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) |
|-----------------|-----------------------|------------------------|------------------------------|---|-------------------------|------------------------------|------------------------------|
| 0.184 | 38.189 | 20.4 | 58.6 | 64.3 | -5.7 | PASS | -5.7 |
| 0.219 | 20.062 | 20.4 | 40.5 | 62.9 | -22.4 | PASS | |
| 0.26 | 28.429 | 20.5 | 48.9 | 61.4 | -12.5 | PASS | |
| 0.295 | 24.272 | 20.5 | 44.8 | 60.4 | -15.6 | PASS | |
| 0.388 | 16.629 | 20.6 | 37.2 | 58.1 | -20.9 | PASS | |
| 0.461 | 14.67 | 20.7 | 35.4 | 56.7 | -21.3 | PASS | |

Line Quasi-Peak



Line Quasi-Peak



Test Report for Dogwatch Inc. Report No. EX0425-2 Issue 1

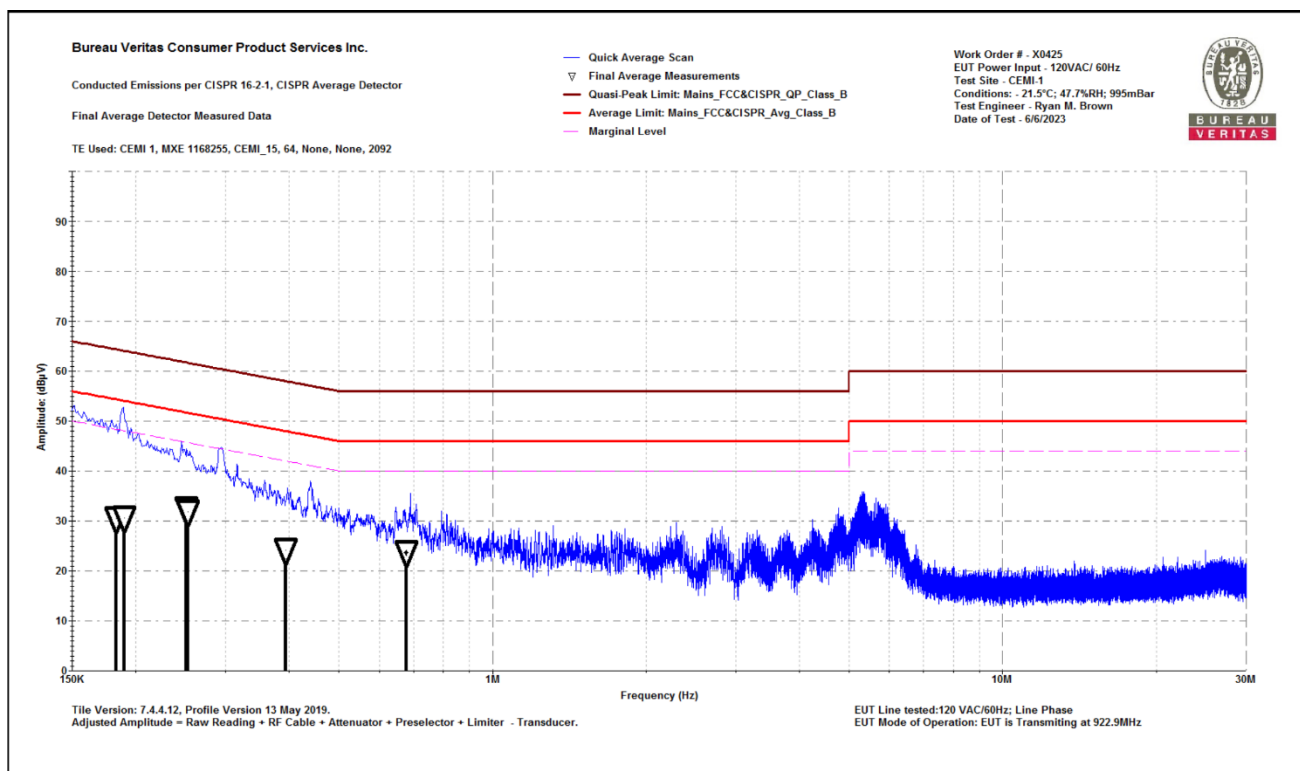


Bureau Veritas Consumer Product Services Inc.
Conducted Emissions per CISPR 16-2-1, CISPR Average Detector
Final Average Detector Data
Notes:
EUT Line tested:120 VAC/60Hz; Line Phase
EUT Mode of Operation: EUT is Transmitting at 922.9MHz

Work Order # - X0425
EUT Power Input - 120VAC/ 60Hz
Test Site - CEMI-1
Conditions: - 21.5°C; 47.7%RH; 995mBar
Test Engineer - Ryan M. Brown
Date of Test - 6/6/2023

| 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) |
|-----------------|------------------------|------------------------|-------------------------------|--|-----------------|-------------------------|-----------------------|
| 0.183 | 10 | 20.4 | 30.5 | 54.4 | -23.9 | PASS | |
| 0.19 | 10.2 | 20.4 | 30.6 | 54 | -23.4 | PASS | |
| 0.251 | 11.9 | 20.5 | 32.4 | 51.7 | -19.3 | PASS | -19.3 |
| 0.253 | 11.3 | 20.5 | 31.8 | 51.7 | -19.9 | PASS | |
| 0.393 | 3.6 | 20.6 | 24.1 | 48 | -23.9 | PASS | |
| 0.678 | 2.8 | 20.8 | 23.6 | 46 | -22.4 | PASS | |

Line Final Average



Line Final Average



Test Report for Dogwatch Inc. Report No. EX0425-2 Issue 1

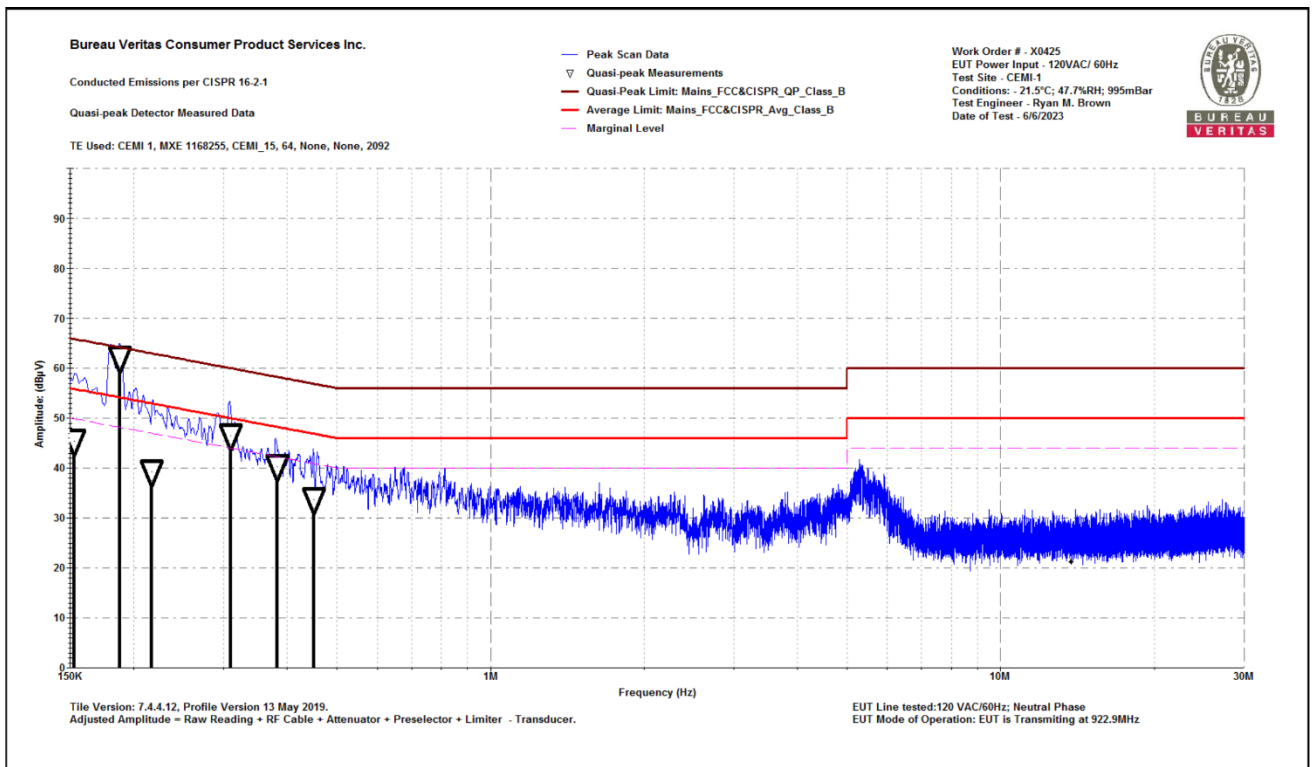


Bureau Veritas Consumer Product Services Inc.
Conducted Emissions per CISPR 16-2-1
Quasi-peak Detector Data
Notes:
EUT Line tested:120 VAC/60Hz; Neutral Phase
EUT Mode of Operation: EUT is Transmitting at 922.9MHz

Work Order # - X0425
EUT Power Input - 120VAC/ 60Hz
Test Site - CEMI-1
Conditions: - 21.5°C; 47.7%RH; 995mBar
Test Engineer - Ryan M. Brown
Date of Test - 6/6/2023

| 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) |
|-----------------|-----------------------|------------------------|------------------------------|---|-------------------------|------------------------------|------------------------------|
| 0.153 | 24.981 | 20.4 | 45.4 | 65.9 | -20.5 | PASS | |
| 0.188 | 41.646 | 20.4 | 62 | 64.1 | -2.1 | PASS | -2.1 |
| 0.217 | 18.783 | 20.4 | 39.2 | 62.9 | -23.7 | PASS | |
| 0.309 | 25.879 | 20.5 | 46.4 | 60 | -13.6 | PASS | |
| 0.382 | 19.746 | 20.5 | 40.3 | 58.2 | -17.9 | PASS | |
| 0.451 | 12.949 | 20.7 | 33.6 | 56.8 | -23.2 | PASS | |

Neutral Quasi-Peak



Neutral Quasi-Peak



Test Report for Dogwatch Inc. Report No. EX0425-2 Issue 1

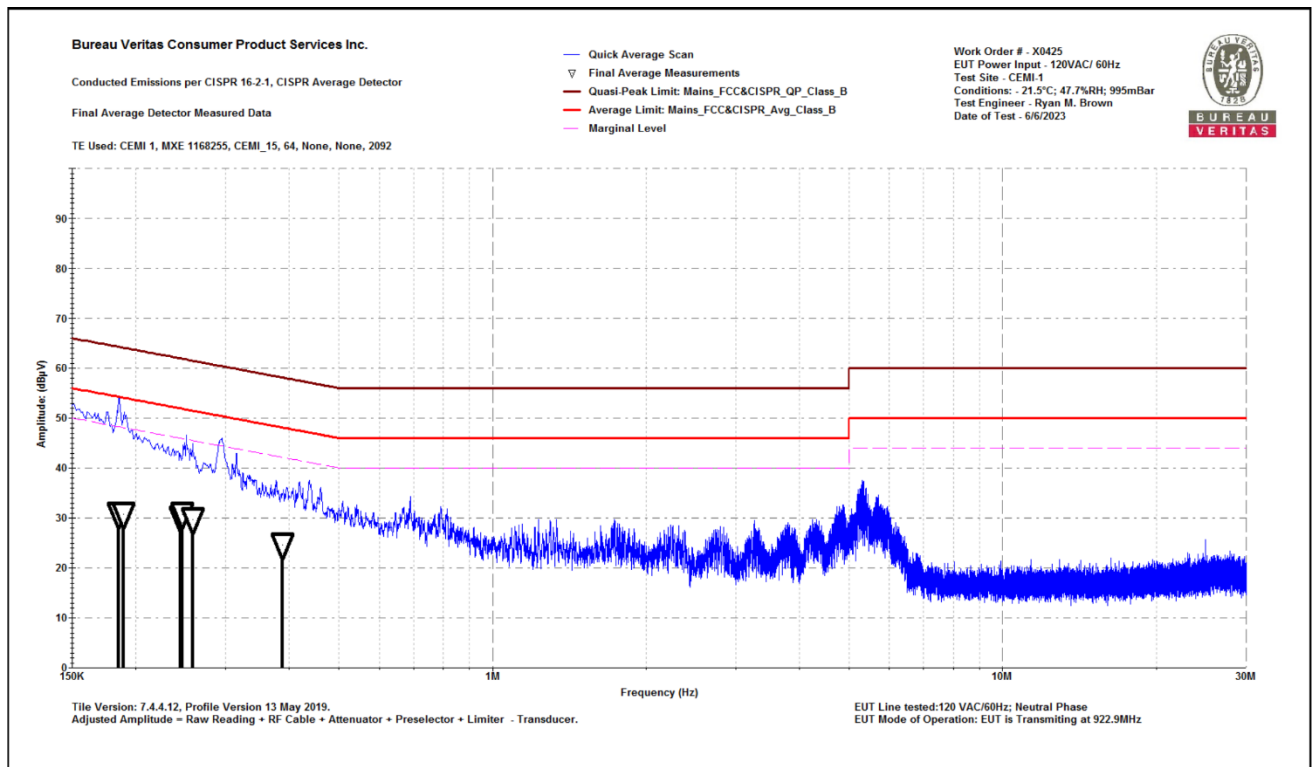


Bureau Veritas Consumer Product Services Inc.
Conducted Emissions per CISPR 16-2-1, CISPR Average Detector
Final Average Detector Data
Notes:
EUT Line tested: 120 VAC/60Hz; Neutral Phase
EUT Mode of Operation: EUT is Transmitting at 922.9MHz

Work Order # - X0425
EUT Power Input - 120VAC/ 60Hz
Test Site - CEMI-1
Conditions: - 21.5°C; 47.7%RH; 995mBar
Test Engineer - Ryan M. Brown
Date of Test - 6/6/2023

| 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) |
|-----------------|------------------------|------------------------|-------------------------------|--|-----------------|-------------------------|-----------------------|
| 0.185 | 10.3 | 20.4 | 30.7 | 54.3 | -23.6 | PASS | |
| 0.189 | 10.3 | 20.4 | 30.7 | 54.1 | -23.4 | PASS | |
| 0.244 | 9.6 | 20.4 | 30 | 51.9 | -21.9 | PASS | |
| 0.247 | 10.3 | 20.4 | 30.7 | 51.9 | -21.1 | PASS | -21.1 |
| 0.258 | 9.3 | 20.5 | 29.7 | 51.5 | -21.7 | PASS | |
| 0.388 | 4.1 | 20.5 | 24.7 | 48.1 | -23.5 | PASS | |

Neutral Final Average



Neutral Final Average



**BUREAU
VERITAS**

Test Report for Dogwatch Inc. Report No. EX0425-2 Issue 1



Internal Antenna

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: EUT is Transmitting at 924.1MHz

Work Order # - X0425

EUT Power Input - 120VAC/ 60Hz

Test Site - CEMI-1

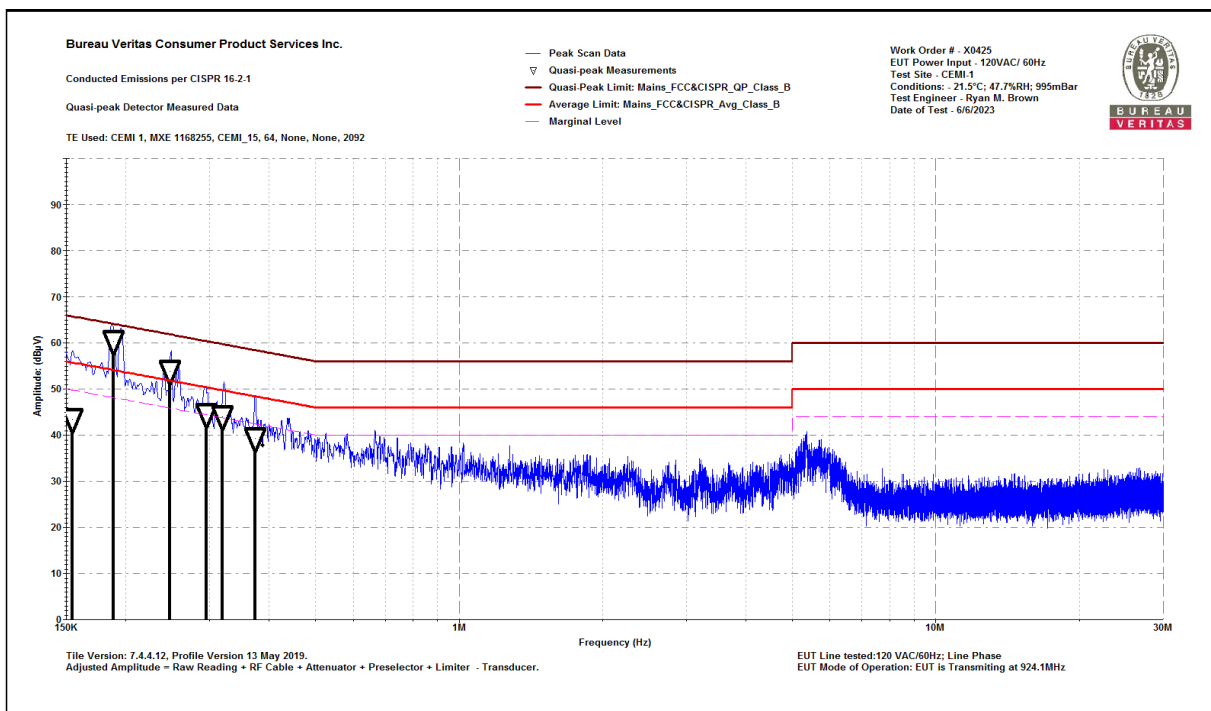
Conditions: - 21.5°C; 47.7%RH; 995mBar

Test Engineer - Ryan M. Brown

Date of Test - 6/6/2023

| 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) |
|--------------------|--------------------------|---------------------------|------------------------------------|---|-------------------------------|---------------------------------|------------------------------------|
| 0.154 | 23.056 | 20.4 | 43.4 | 65.8 | -22.3 | PASS | |
| 0.188 | 39.796 | 20.4 | 60.2 | 64.1 | -3.9 | PASS | -3.9 |
| 0.248 | 33.336 | 20.5 | 53.8 | 61.8 | -8 | PASS | |
| 0.295 | 23.987 | 20.5 | 44.5 | 60.4 | -15.9 | PASS | |
| 0.319 | 23.468 | 20.5 | 44 | 59.7 | -15.7 | PASS | |
| 0.374 | 18.725 | 20.5 | 39.3 | 58.4 | -19.1 | PASS | |

Line Quasi-Peak



Line Quasi-Peak

Bureau Veritas Consumer Product
Services Inc.

One Distribution Center Circle, #1
Littleton, MA

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



BUREAU
VERITAS

Test Report for Dogwatch Inc. Report No. EX0425-2 Issue 1



Bureau Veritas Consumer Product Services Inc.
Conducted Emissions per CISPR 16-2-1, CISPR Average Detector
Final Average Detector Data

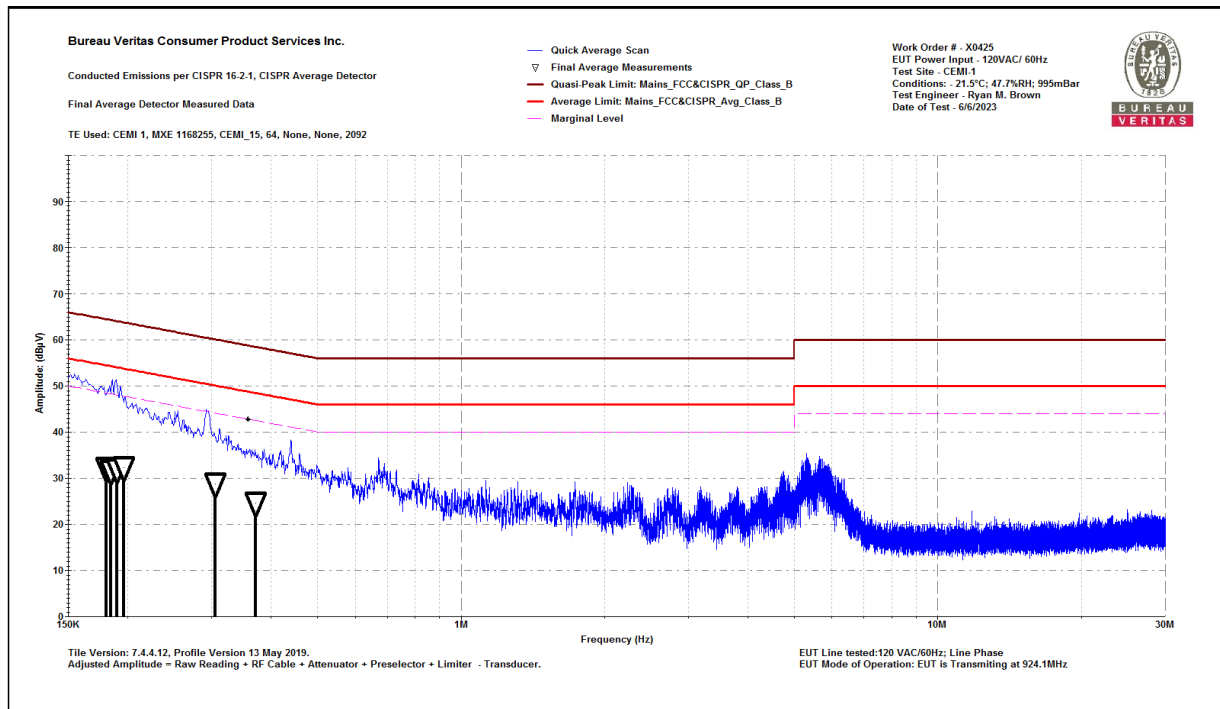
Notes:

EUT Line tested: 120 VAC/60Hz; Line Phase
EUT Mode of Operation: EUT is Transmitting at 924.1MHz

Work Order # - X0425
EUT Power Input - 120VAC/ 60Hz
Test Site - CEMI-1
Conditions: - 21.5°C; 47.7%RH; 995mBar
Test Engineer - Ryan M. Brown
Date of Test - 6/6/2023

| Frequency (MHz) | Raw Avg Reading (dBμV) | Correction Factor (dB) | Adjusted Avg Amplitude (dBμV) | Av Lim: Mains_FCC&CISP R_Avg_Class_B (dBμV) | Avg Margin (dB) | Avg Results (Pass/Fail) | Worst Avg Margin (dB) |
|--------------------|---------------------------|---------------------------|-------------------------------------|--|--------------------|----------------------------|-----------------------------|
| 0.18 | 11.8 | 20.4 | 32.2 | 54.5 | -22.3 | PASS | |
| 0.185 | 11.1 | 20.4 | 31.5 | 54.3 | -22.8 | PASS | |
| 0.19 | 11.4 | 20.4 | 31.8 | 54 | -22.2 | PASS | |
| 0.196 | 12 | 20.4 | 32.4 | 53.8 | -21.4 | PASS | |
| 0.305 | 8.3 | 20.5 | 28.8 | 50.1 | -21.3 | PASS | -21.3 |
| 0.371 | 4.1 | 20.5 | 24.7 | 48.5 | -23.8 | PASS | |

Line Final Average



Line Final Average



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Test Report for Dogwatch Inc. Report No. EX0425-2 Issue 1



Bureau Veritas Consumer Product Services Inc.

Conducted Emissions per CISPR 16-2-1

Quasi-peak Detector Data

Notes:

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

EUT Mode of Operation: EUT is Transmitting at 924.1MHz

Work Order # - X0425

EUT Power Input - 120VAC/ 60Hz

Test Site - CEMI-1

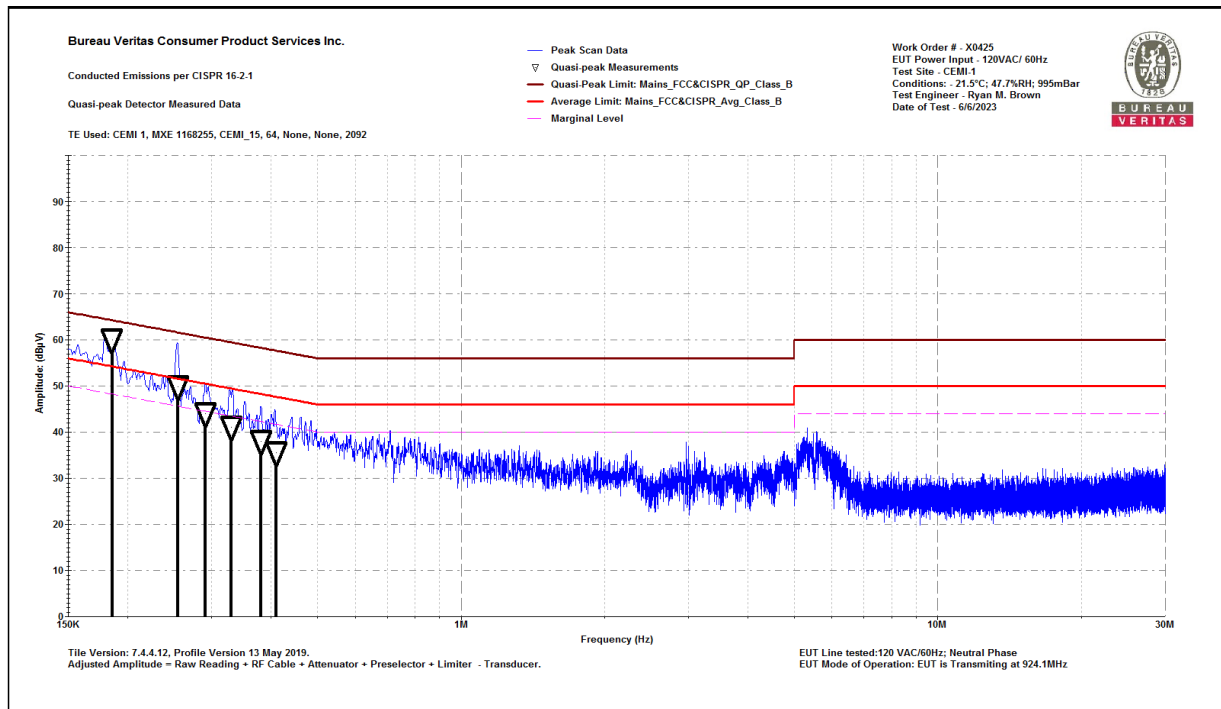
Conditions: - 21.5°C; 47.7%RH; 995mBar

Test Engineer - Ryan M. Brown

Date of Test - 6/6/2023

| 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) |
|--------------------|--------------------------|---------------------------|------------------------------------|---|-------------------------------|---------------------------------|------------------------------------|
| 0.185 | 39.618 | 20.4 | 60 | 64.2 | -4.2 | PASS | -4.2 |
| 0.255 | 29.317 | 20.5 | 49.8 | 61.6 | -11.8 | PASS | |
| 0.291 | 23.465 | 20.5 | 44 | 60.5 | -16.5 | PASS | |
| 0.33 | 20.505 | 20.5 | 41 | 59.5 | -18.5 | PASS | |
| 0.381 | 17.504 | 20.5 | 38 | 58.3 | -20.2 | PASS | |
| 0.409 | 14.998 | 20.6 | 35.6 | 57.7 | -22.1 | PASS | |

Neutral Quasi-Peak



Neutral Quasi-Peak

Bureau Veritas Consumer Product
Services Inc.

One Distribution Center Circle, #1
Littleton, MA

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



**BUREAU
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Test Report for Dogwatch Inc. Report No. EX0425-2 Issue 1



Bureau Veritas Consumer Product Services Inc.
Conducted Emissions per CISPR 16-2-1, CISPR Average Detector
Final Average Detector Data

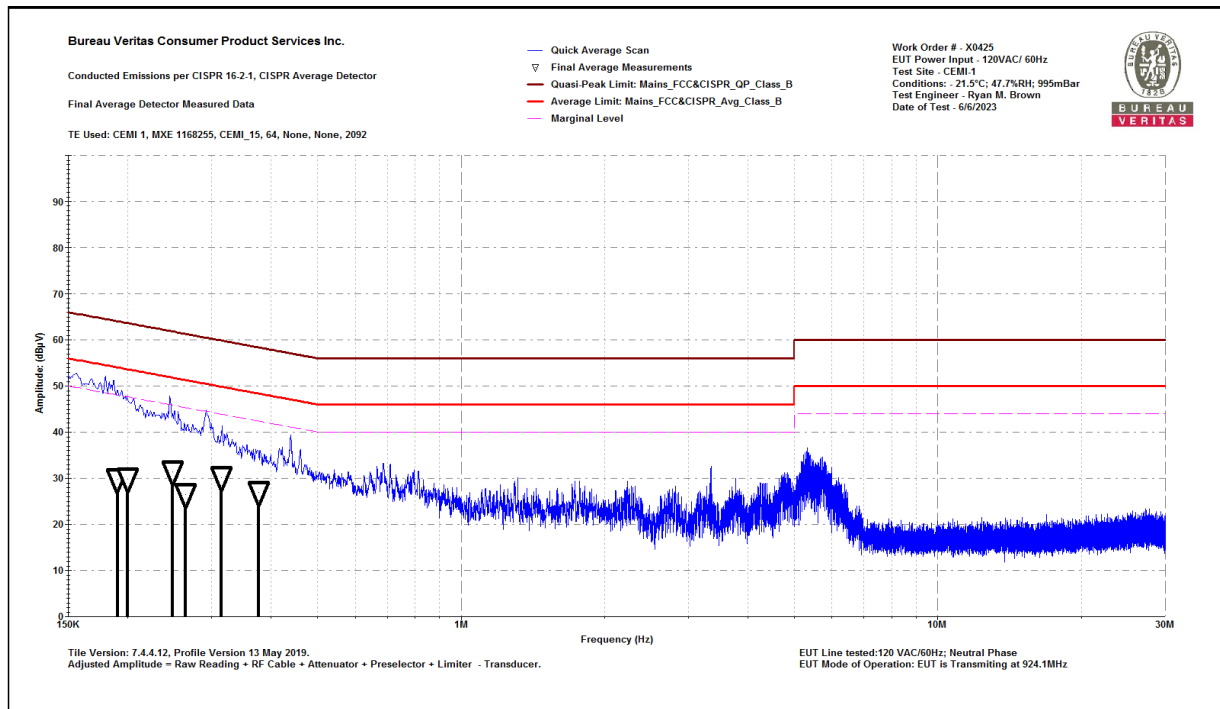
Notes:

EUT Line tested: 120 VAC/60Hz; Neutral Phase
EUT Mode of Operation: EUT is Transmitting at 924.1MHz

Work Order # - X0425
EUT Power Input - 120VAC/ 60Hz
Test Site - CEMI-1
Conditions: - 21.5°C; 47.7%RH; 995mBar
Test Engineer - Ryan M. Brown
Date of Test - 6/6/2023

| Frequency (MHz) | Raw Avg Reading (dBμV) | Correction Factor (dB) | Adjusted Avg Amplitude (dBμV) | Av Lim: Mains_FCC&CISP R_Avg_Class_B (dBμV) | Avg Margin (dB) | Avg Results (Pass/Fail) | Worst Avg Margin (dB) |
|--------------------|---------------------------|---------------------------|-------------------------------------|--|--------------------|----------------------------|-----------------------------|
| 0.19 | 9.3 | 20.4 | 29.7 | 54 | -24.4 | PASS | |
| 0.2 | 9.4 | 20.4 | 29.8 | 53.6 | -23.8 | PASS | |
| 0.249 | 10.9 | 20.5 | 31.3 | 51.8 | -20.5 | PASS | |
| 0.264 | 5.9 | 20.5 | 26.4 | 51.3 | -24.9 | PASS | |
| 0.314 | 9.6 | 20.5 | 30.1 | 49.9 | -19.7 | PASS | -19.7 |
| 0.377 | 6.3 | 20.5 | 26.8 | 48.4 | -21.5 | PASS | |

Neutral Final Average



Neutral Final Average

Bureau Veritas Consumer Product
Services Inc.

One Distribution Center Circle, #1
Littleton, MA

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



4.2 FUNDAMENTAL FIELD STRENGTH

4.2.1 LIMITS

Per 15.249(a) and RSS-210 Issue 10 Annex B.10 Table B2
902-928MHz: 50mW/m at 3m (equivalent to 94dBuV/m at 3m)

4.2.2 TEST SETUP

Same as radiated spurious emissions setup for 30MHz-1GHz (Section 4.3.5).

4.2.3 TEST EQUIPMENT USED

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

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

4.2.4 TEST PROCEDURES

Same as Section 4.3.3.

4.2.5 DEVIATIONS

No deviations from the standard.

4.2.6 EUT OPERATING CONDITIONS

EUT was operated according to manufacturer's specifications.



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Test Report for Dogwatch Inc. Report No. EX0425-2 Issue 1



4.2.7 TEST RESULTS

| Fundamental Field Strength | | | | | | | | | | | | |
|--|--------------------|-------------------|------------------------|--------------------------|----------------------|------------------------------|--|----------------|-----------------------|-----------------------|----------------|-----------------------|
| Date: 30-May-23 | | | Company: DogWatch | | | | Work Order: X0425 | | | | | |
| Engineer: Ryan M. Brown | | | EUT Desc: Smart Portal | | | | EUT Operating Voltage/Frequency: 120VAC 60Hz | | | | | |
| Temp: 22.3C | | | Humidity: 42% | | | | Pressure: 1002mbar | | | | | |
| Frequency Range: Fundamental | | | | | | | Measurement Distance: 3 m | | | | | |
| Notes: Peak max-hold measurements | | | | | | | | | | | | |
| Antenna Polarization (H/V) | Frequency (MHz) | Reading (dBμV) | Preamp Factor (dB) | Antenna Factor (dB/m) | Cable Factor (dB) | Adjusted Reading (dBμV/m) | --- | | | FCC 15.249 | | |
| | | | | | | | Limit (dBμV/m) | Margin (dB) | Result (Pass/Fail) | Limit (dBμV/m) | Margin (dB) | Result (Pass/Fail) |
| EUT in X-Axis, External Antenna Vertical | | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| V | 922.9 | 82.2 | 25.2 | 29.0 | 1.9 | 87.9 | --- | --- | --- | 93.9 | -6.0 | Pass |
| H | 922.9 | 74.7 | 25.2 | 29.0 | 1.9 | 80.4 | --- | --- | --- | 93.9 | -13.5 | Pass |
| EUT in X-Axis, External Antenna Horizontal | | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| V | 922.9 | 75.5 | 25.2 | 29.0 | 1.9 | 81.2 | --- | --- | --- | 93.9 | -12.7 | Pass |
| H | 922.9 | 82.8 | 25.2 | 29.0 | 1.9 | 88.5 | --- | --- | --- | 93.9 | -5.4 | Pass |
| EUT in Y-Axis, External Antenna Vertical | | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| V | 922.9 | 82.8 | 25.2 | 29.0 | 1.9 | 88.5 | --- | --- | --- | 93.9 | -5.4 | Pass |
| H | 922.9 | 78.2 | 25.2 | 29.0 | 1.9 | 83.9 | --- | --- | --- | 93.9 | -10.0 | Pass |
| EUT in Y-Axis, External Antenna Horizontal | | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| V | 922.9 | 75.3 | 25.2 | 29.0 | 1.9 | 81.0 | --- | --- | --- | 93.9 | -12.9 | Pass |
| H | 922.9 | 81.6 | 25.2 | 29.0 | 1.9 | 87.3 | --- | --- | --- | 93.9 | -6.6 | Pass |
| EUT in X-Axis, Internal Antenna | | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| V | 922.9 | 75.6 | 25.2 | 29.0 | 1.9 | 81.3 | --- | --- | --- | 93.9 | -12.6 | Pass |
| H | 922.9 | 80.9 | 25.2 | 29.0 | 1.9 | 86.6 | --- | --- | --- | 93.9 | -7.3 | Pass |
| EUT in Y-Axis, Internal Antenna | | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| V | 922.9 | 80.4 | 25.2 | 29.0 | 1.9 | 86.1 | --- | --- | --- | 93.9 | -7.8 | Pass |
| H | 922.9 | 82.9 | 25.2 | 29.0 | 1.9 | 88.6 | --- | --- | --- | 93.9 | -5.3 | Pass |
| EUT in X-Axis, External Antenna Vertical | | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| V | 924.1 | 84.0 | 25.2 | 28.9 | 1.9 | 89.6 | --- | --- | --- | 93.9 | -4.3 | Pass |
| H | 924.1 | 74.9 | 25.2 | 28.9 | 1.9 | 80.5 | --- | --- | --- | 93.9 | -13.4 | Pass |
| EUT in X-Axis, External Antenna Horizontal | | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| V | 924.1 | 78.8 | 25.2 | 28.9 | 1.9 | 84.4 | --- | --- | --- | 93.9 | -9.5 | Pass |
| H | 924.1 | 85.5 | 25.2 | 28.9 | 1.9 | 91.1 | --- | --- | --- | 93.9 | -2.8 | Pass |
| EUT in Y-Axis, External Antenna Vertical | | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| V | 924.1 | 85.2 | 25.2 | 28.9 | 1.9 | 90.8 | --- | --- | --- | 93.9 | -3.1 | Pass |
| H | 924.1 | 79.4 | 25.2 | 28.9 | 1.9 | 85.0 | --- | --- | --- | 93.9 | -8.9 | Pass |
| EUT in Y-Axis, External Antenna Horizontal | | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| V | 924.1 | 77.8 | 25.2 | 28.9 | 1.9 | 83.4 | --- | --- | --- | 93.9 | -10.5 | Pass |
| H | 924.1 | 83.1 | 25.2 | 28.9 | 1.9 | 88.7 | --- | --- | --- | 93.9 | -5.2 | Pass |
| EUT in X-Axis, Internal Antenna | | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| V | 924.1 | 75.4 | 25.2 | 28.9 | 1.9 | 81.0 | --- | --- | --- | 93.9 | -12.9 | Pass |
| H | 924.1 | 82.5 | 25.2 | 28.9 | 1.9 | 88.1 | --- | --- | --- | 93.9 | -5.8 | Pass |
| EUT in Y-Axis, Internal Antenna | | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| V | 924.1 | 80.2 | 25.2 | 28.9 | 1.9 | 85.8 | --- | --- | --- | 93.9 | -8.1 | Pass |
| H | 924.1 | 82.5 | 25.2 | 28.9 | 1.9 | 88.1 | --- | --- | --- | 93.9 | -5.8 | Pass |
| Table Result: Pass | | | | | | | by -2.8 dB | | | Worst Freq: 924.1 MHz | | |
| Test Site: EMI Chamber 1 | | | Cable 1: Asset #2681 | | | | Cable 2: Asset #2610 | | | Cable 3: Asset #2474 | | |
| Analyzer: 1170725 | | | Preamp: 8447F | | | | Antenna: Red-Black | | | Preselector: --- | | |
| CSsoft Radiated Emissions Calculator v 1.017.225 | | | | | | | | | | | | |
| Adjusted Reading = Reading - Preamp Factor + Antenna Factor + Cable Factor | | | | | | | | | | | | |
| Copyright Curtis-Straus LLC 2000 | | | | | | | | | | | | |

4.3 RADIATED SPURIOUS EMISSIONS

4.3.1 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:

- Lower limit applies at the transition frequencies.
- $\text{dB}\mu\text{V/m} = 20 \cdot \log(\mu\text{V/m})$.
- 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.
- 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).
 $\text{Limit}(3\text{m}) = \text{Limit}(30\text{m}) + 40 \cdot \log(30/3) = \text{Limit}(30\text{m}) + 40$
 $\text{Limit}(3\text{m}) = \text{Limit}(300\text{m}) + 40 \cdot \log(300/3) = \text{Limit}(300\text{m}) + 80$
- 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 377Ω (E-field = H-field + 51.5). 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.



**Test Report for Dogwatch Inc.
Report No. EX0425-2 Issue 1**



4.3.2 TEST EQUIPMENT USED

Rev. 6/6/2023

| | | | | | | | | | |
|---|-----------------------|--------------------|---------------------|-------------------------|------------------|-----------|-------------------------------|-----------------------------|--|
| Spectrum Analyzers / Receivers /Preselectors | | | | | | | | | |
| Rental MXE EMI Receiver(1170725) | Range 20Hz-26.5GHz | MN N9038A | Mfr Agilent | SN MY51210151 | Asset 1170725 | Cat I | Calibration Due 2/21/2024 | Calibrated on 2/21/2023 | |
| Radiated Emissions Sites | | | | | | | | | |
| EMI Chamber 1 | FCC Code 719150 | IC Code 2762A-6 | VCCI Code A-0015 | Range 0.009-40000MHz | Asset 1685 | Cat I | Calibration Due 11/29/2024 | Calibrated on 11/29/2022 | |
| Preamps /Couplers Attenuators / Filters | | | | | | | | | |
| 8447F Rental PA | Range 9KHz-1.3GHz | MN 84477F | Mfr HP | SN 3113A05395 | Asset | Cat II | Calibration Due 10/17/2023 | Calibrated on 10/17/2022 | |
| Antennas | | | | | | | | | |
| Red-Black Bilog | Range 30-2000MHz | MN JB1 | Mfr Sunol | SN A091604-2 | Asset 1106 | Cat I | Calibration Due 6/14/2023 | Calibrated on 6/14/2021 | |
| Rental Horn/PA | 1-18Hz | 3117-PB | ETS | 237459 | 3117 | I | 9/28/2023 | 9/28/2022 | |
| Small Loop | 10KHz-30MHz | PLA-130/A | ARA | 1024 | 755 | I | 9/12/2024 | 9/12/2022 | |
| Large Loop | 20Hz-5MHz | 6511 | EMCO | 9704-1154 | 67 | I | 8/22/2024 | 8/22/2022 | |
| Meteorological Meters/Chambers | | | | | | | | | |
| Asset 2707 | | MN SD700 | Mfr EXTECH | SN A.115171 | Asset 2707 | Cat I | Calibration Due 1/13/2025 | Calibrated on 1/13/2023 | |
| Asset #2656 | | 1235C97 | Control Company | 200435359 | 2656 | I | 8/18/2025 | 8/18/2022 | |
| Cables | | | | | | | | | |
| Asset #2474 | Range 9KHz-18GHz | | Mfr MegaPhase | | | Cat II | Calibration Due 11/1/2023 | Calibrated on 11/1/2022 | |
| Asset #2610 | 9KHz-18GHz | | Pasternack | | | II | 3/3/2024 | 3/3/2023 | |
| Asset #2681 | 9KHz-18GHz | | Pasternack | | | II | 12/13/2023 | 12/13/2022 | |

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

4.3.3 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-10GHz 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.
- e. For battery operated equipment, tests were performed using fresh batteries.
- f. Following bandwidths were used during emissions testing:

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

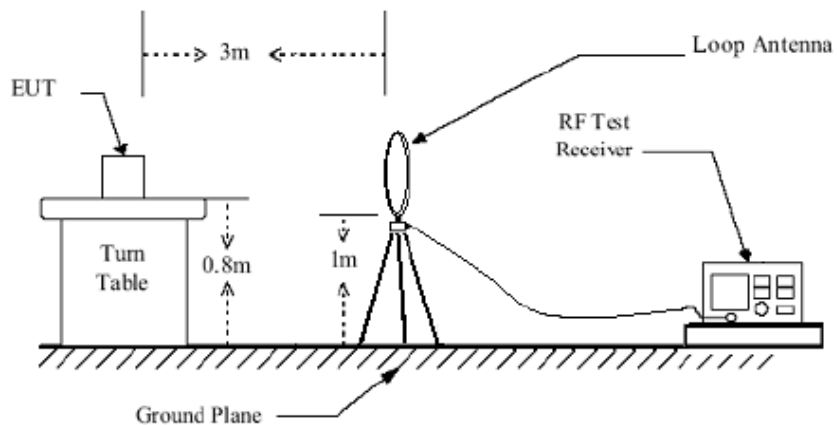
If peak measurements were below the applicable limit, QPk and RMS measurements were not performed.

4.3.4 DEVIATIONS

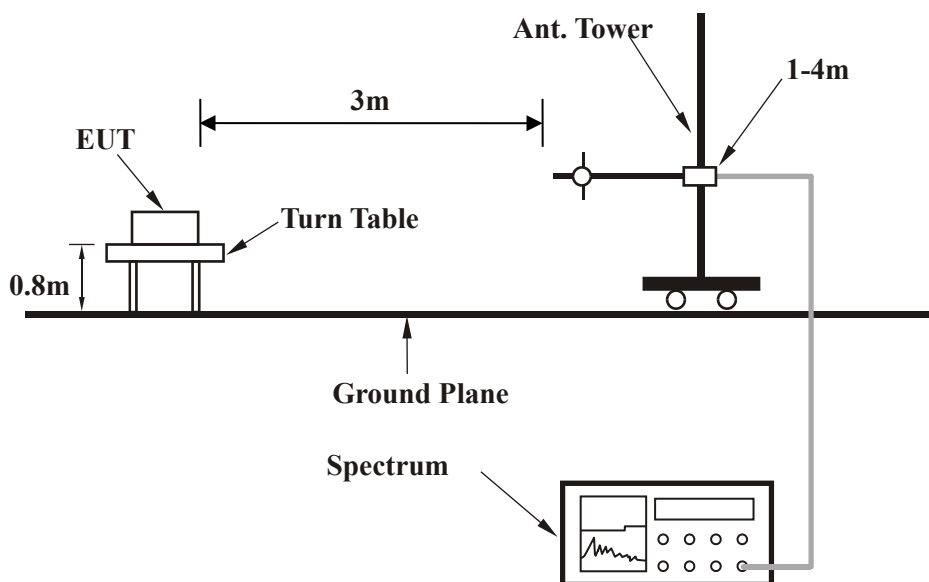
No deviations from the standard.

4.3.5 TEST SETUP

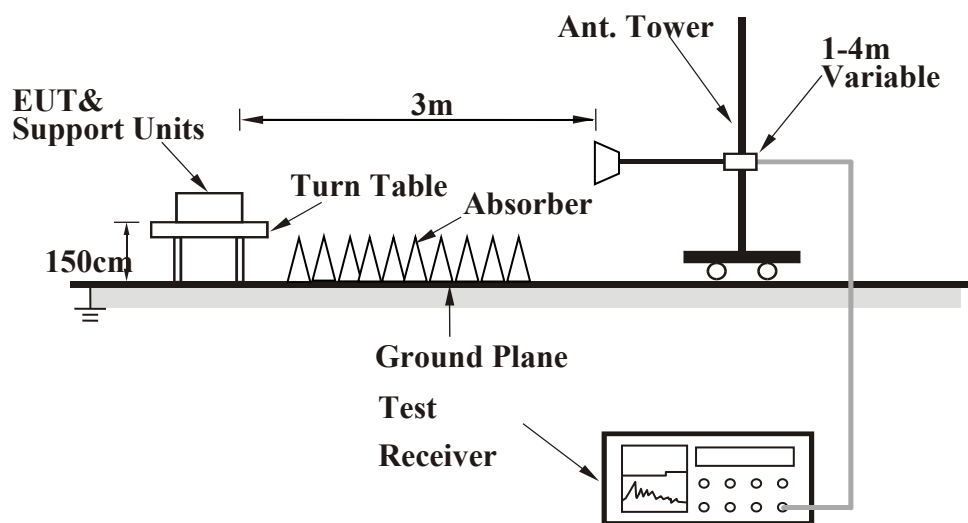
Below 30MHz Test Setup



30MHz - 1GHz Test Setup



1GHz – 10GHz Test Setup



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

4.3.6 EUT OPERATING CONDITIONS

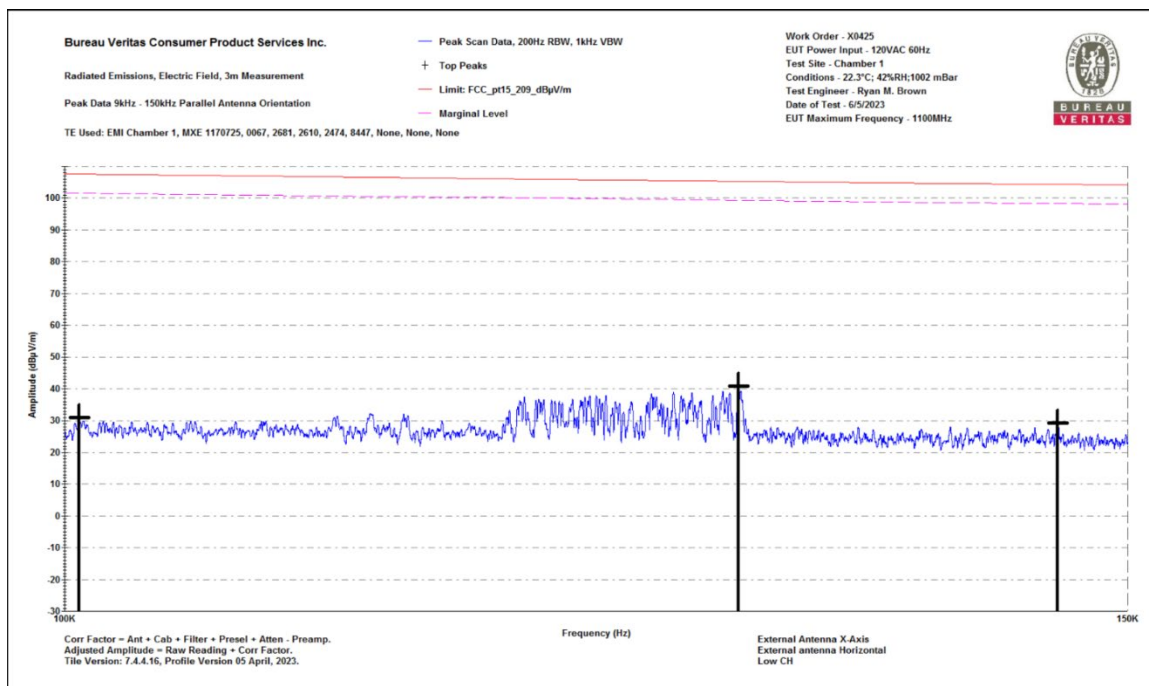
EUT was operated according to the manufacturer's specifications.

4.3.7 TEST RESULTS

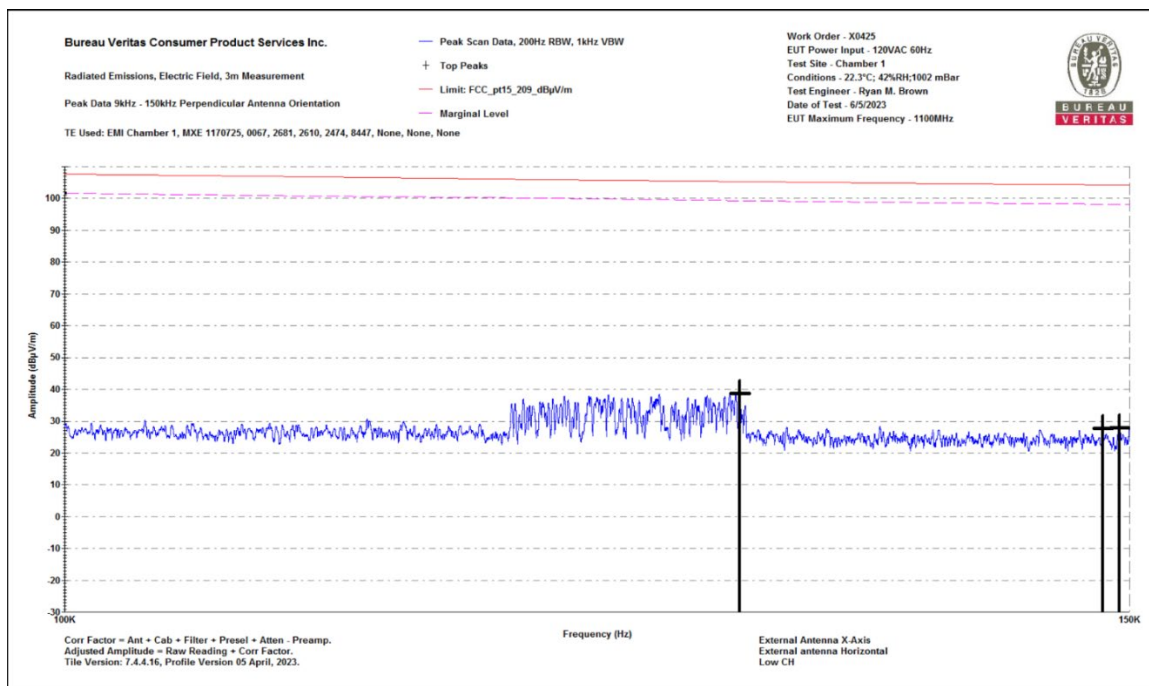
Emissions below 1GHz External Antenna

Results for low channel

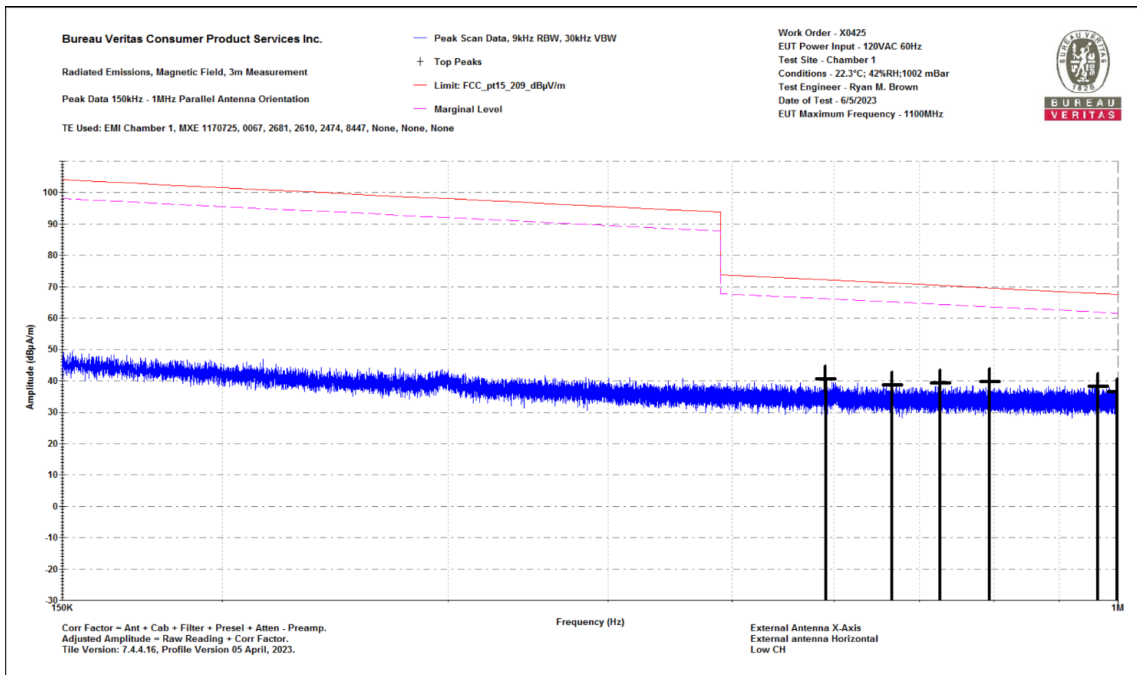
No emissions within 10dB of the limit were identified below 30MHz. Only plots shown below.



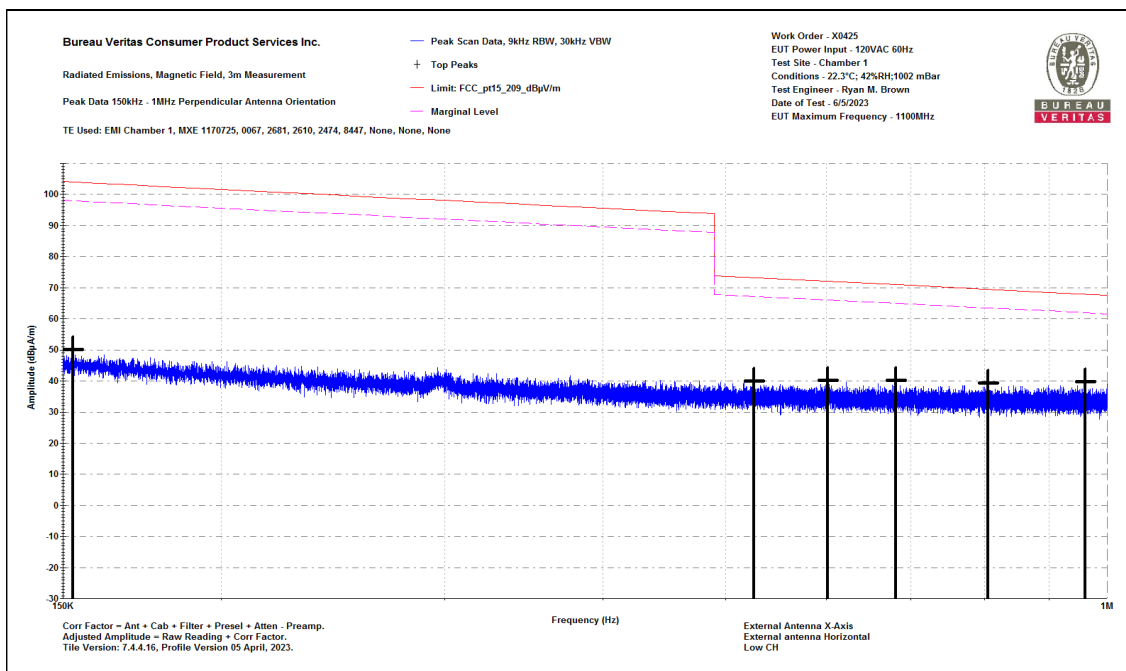
0.1-0.15MHz Parallel



0.1-0.15MHz Perpendicular



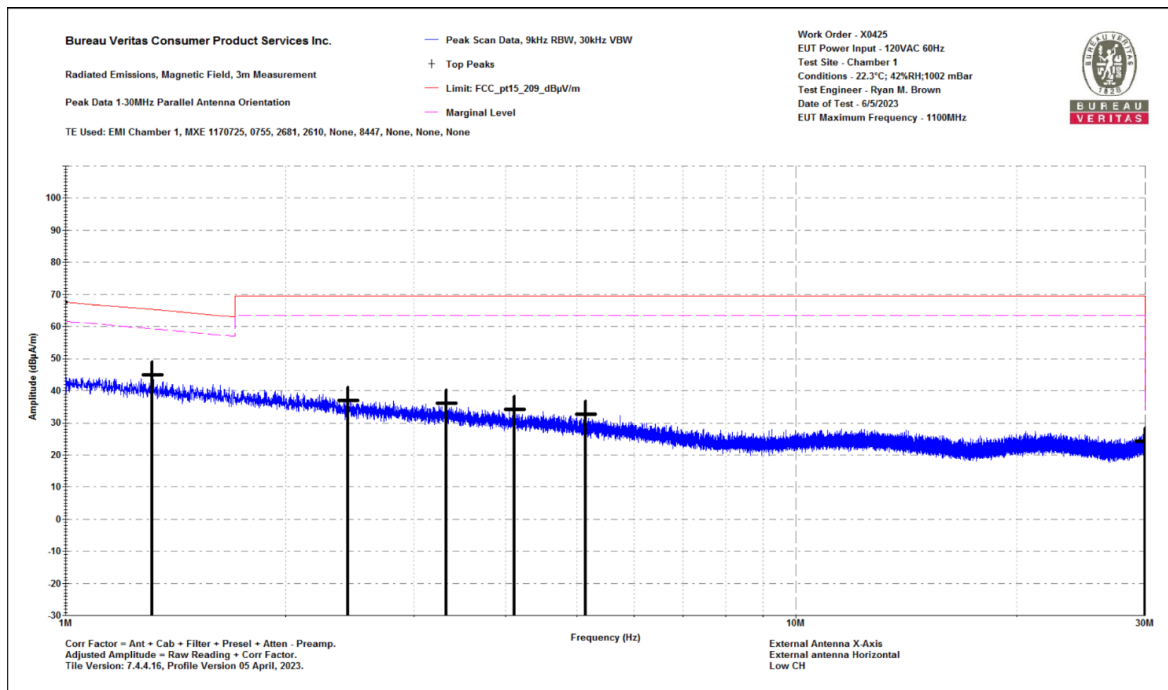
0.15-1MHz Parallel



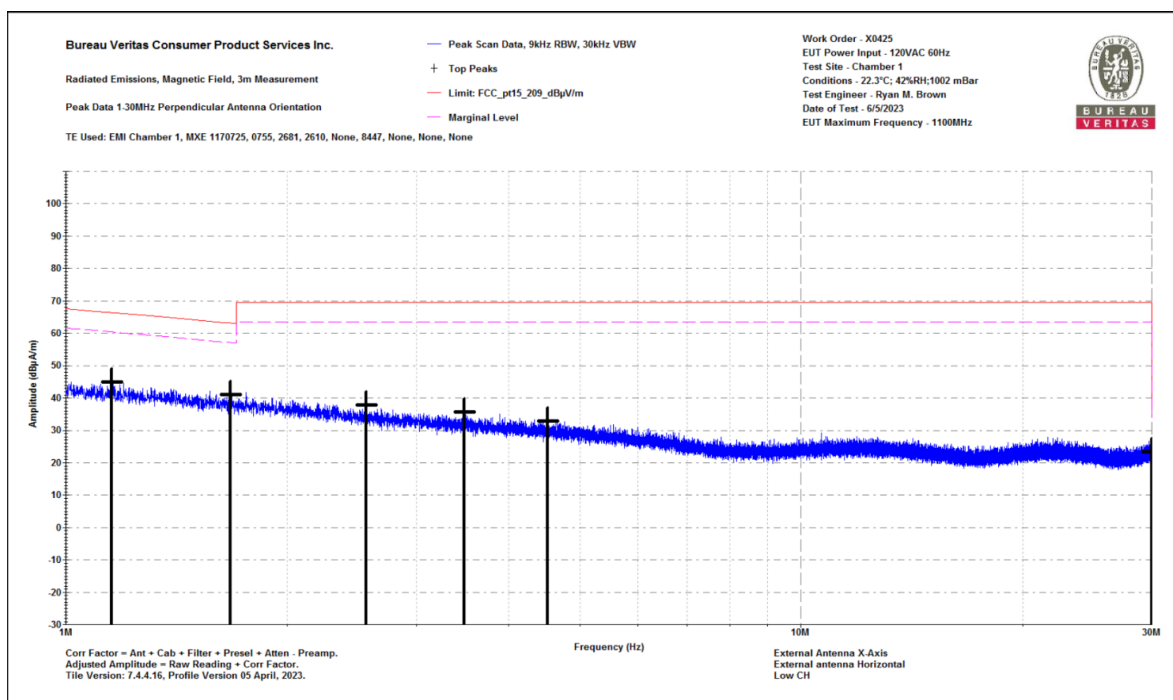
0.15-1MHz Perpendicular



Test Report for Dogwatch Inc. Report No. EX0425-2 Issue 1



1-30MHz Parallel



1-30MHz Perpendicular



Test Report for Dogwatch Inc.
Report No. EX0425-2 Issue 1

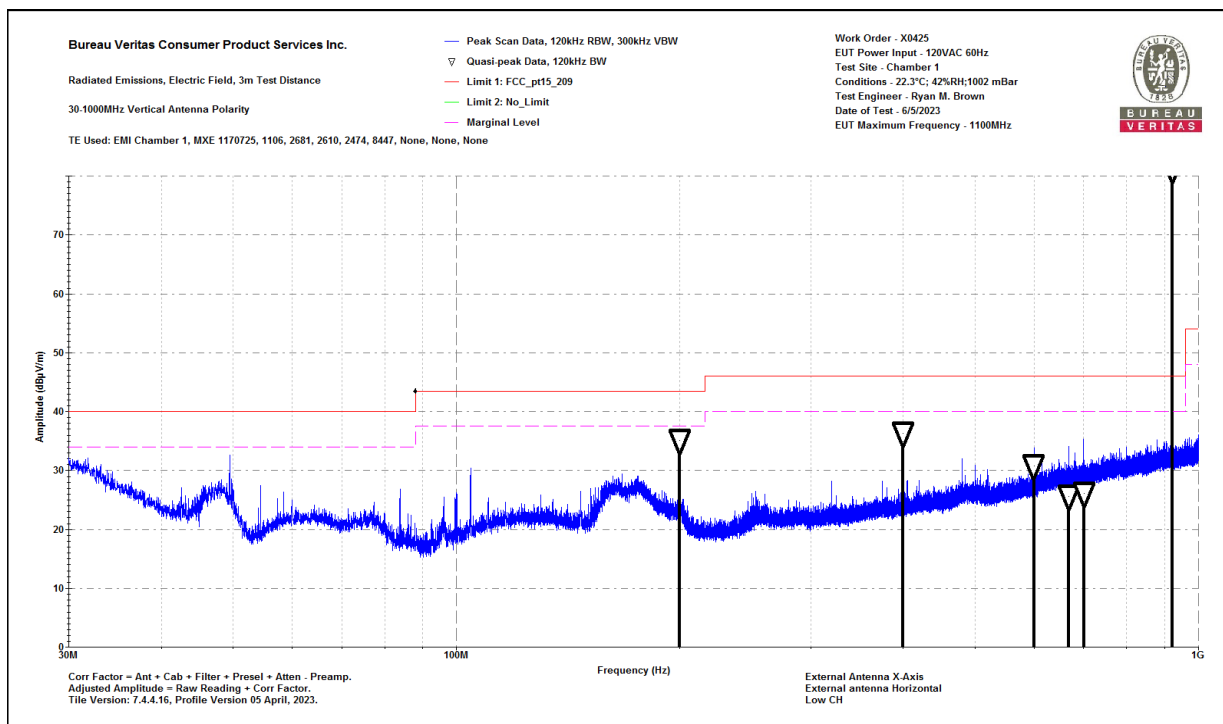


Bureau Veritas Consumer Product Services Inc.
Radiated Emissions Electric Field 3m Distance
30-1000MHz Vertical Data
Notes:
External Antenna X-Axis
External antenna Horizontal
Low CH

Work Order - X0425
EUT Power Input - 120VAC 60Hz
Test Site - Chamber 1
Conditions - 22.3°C; 42%RH;1002 mBar
Test Engineer - Ryan M. Brown
Date of Test - 6/5/2023

| 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) |
|--------------------|-----------------------------|--------------------------------|--------------------------------------|---------------------------------------|---------------------------|-------------------------------------|---------------------------|---------------------------|--------------------------|
| 199.991 | 40.4 | -5.3 | 35.1 | 43.5 | -8.4 | PASS | -8.4 | 105 | 139 |
| 400.023 | 39.3 | -2.9 | 36.3 | 46 | -9.7 | PASS | | 125 | 84 |
| 599.999 | 30.4 | 0.3 | 30.7 | 46 | -15.3 | PASS | | 125 | 85 |
| 669.331 | 24.2 | 1.5 | 25.7 | 46 | -20.3 | PASS | | 175 | 65 |
| 701.122 | 24.1 | 2 | 26.1 | 46 | -19.9 | PASS | | 262 | 205 |
| 922.903 | Fundamental | | | | | | | 105 | 15 |

30-1000MHz Vertical Data Table



30-1000MHz Vertical Plot



Test Report for Dogwatch Inc.
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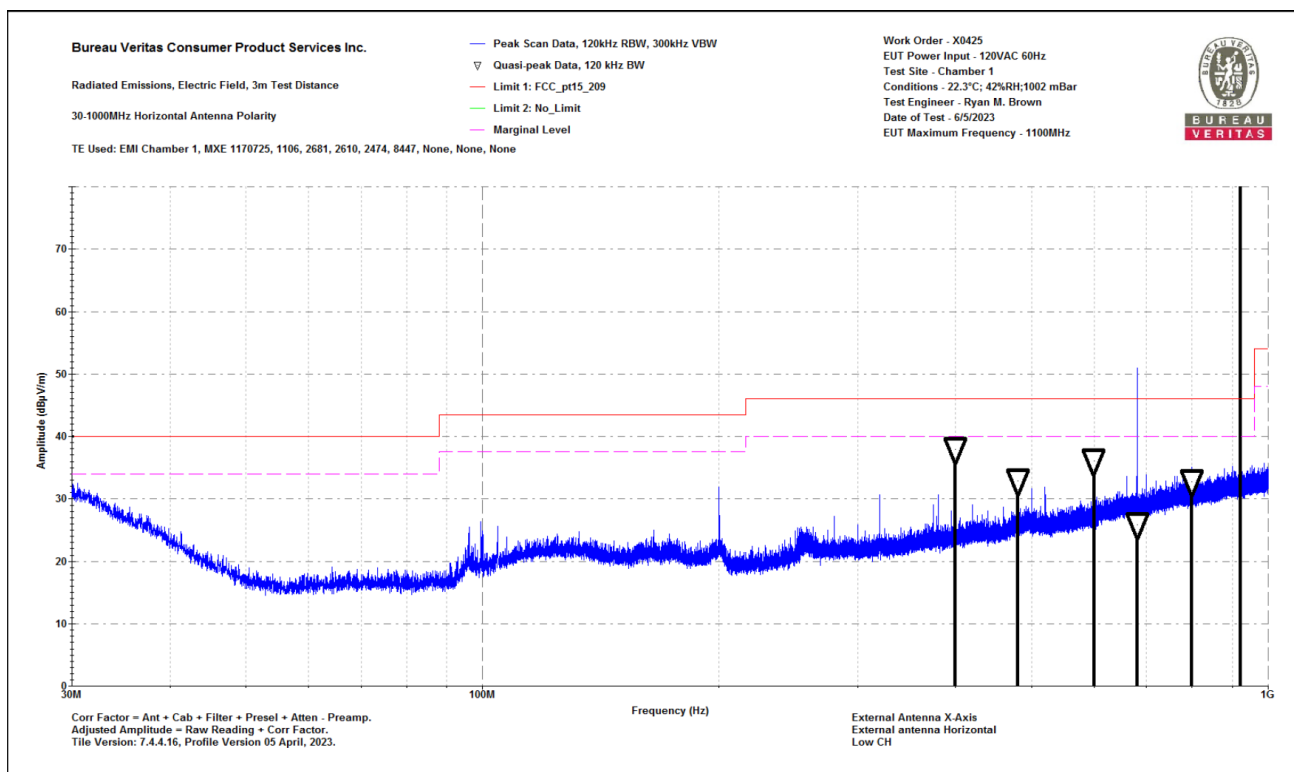


Bureau Veritas Consumer Product Services Inc.
Radiated Emissions Electric Field 3m Distance
30-1000MHz Horizontal Data
Notes:
External Antenna X-Axis
External antenna Horizontal
Low CH

Work Order - X0425
EUT Power Input - 120VAC 60Hz
Test Site - Chamber 1
Conditions - 22.3°C; 42%RH;1002 mBar
Test Engineer - Ryan M. Brown
Date of Test - 6/5/2023

| Frequency (MHz) | Raw QP Reading (dBμV) | Correction Factor (dB/m) | Adjusted QP Amplitude (dBμV/m) | Lim1: FCC_pt15_209 (dBμV/m) | Margin to Lim1 (dB) | Test Results Lim1 (Pass/Fail) | Worst Margin Lim1 (dB) | Antenna Height (cm) | EUT Azimuth (degrees) |
|-----------------|-----------------------|--------------------------|--------------------------------|-----------------------------|---------------------|-------------------------------|------------------------|---------------------|-----------------------|
| 400.016 | 40.8 | -2.9 | 37.8 | 46 | -8.2 | PASS | | 100 | 81 |
| 480.03 | 34.1 | -1.2 | 32.9 | 46 | -13.1 | PASS | | 199 | 65 |
| 600.019 | 35.7 | 0.3 | 36 | 46 | -10 | PASS | | 149 | 47 |
| 681.329 | 24.2 | 1.7 | 25.8 | 46 | -20.2 | PASS | | 175 | 292 |
| 800.01 | 29 | 3.7 | 32.7 | 46 | -13.3 | PASS | | 175 | 179 |
| 922.908 | | | | | | | Fundamental | 100 | 78 |

30-1000MHz Horizontal Data Table



30-1000MHz Horizontal Plot



Test Report for Dogwatch Inc.
Report No. EX0425-2 Issue 1

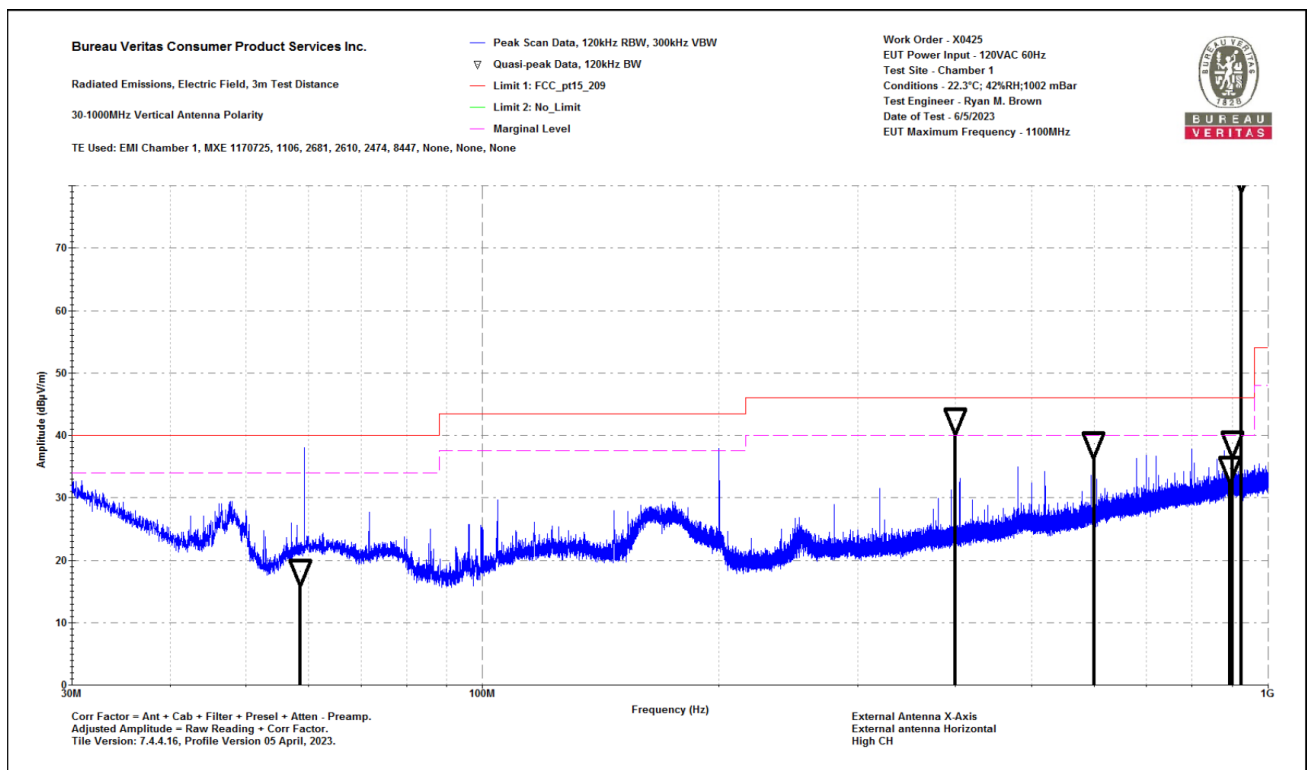


Results for high channel

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

| 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) |
|-----------------|-----------------------|--------------------------|--------------------------------|-----------------------------|---------------------|-------------------------------|------------------------|---------------------|-----------------------|
| 58.641 | 30.4 | -12.3 | 18.2 | 40 | -21.8 | PASS | | 197 | 144 |
| 400.006 | 45.4 | -2.9 | 42.5 | 46 | -3.5 | PASS | -3.5 | 131 | 71 |
| 599.99 | 38.3 | 0.3 | 38.6 | 46 | -7.4 | PASS | | 104 | 89 |
| 895.031 | 29.2 | 5.5 | 34.7 | 46 | -11.3 | PASS | | 175 | 165 |
| 900.027 | 33.2 | 5.6 | 38.7 | 46 | -7.3 | PASS | | 158 | 174 |
| 924.094 | Fundamental | | | | | | | 167 | 0 |

30-1000MHz Vertical Data Table



30-1000MHz Vertical Plot



**BUREAU
VERITAS**

Test Report for Dogwatch Inc. Report No. EX0425-2 Issue 1



Bureau Veritas Consumer Product Services Inc.

Radiated Emissions Electric Field 3m Distance

30-1000MHz Horizontal Data

Notes:

External Antenna X-Axis

External antenna Horizontal

High Ch

Work Order - X0425

EUT Power Input - 120VAC 60Hz

Test Site - Chamber 1

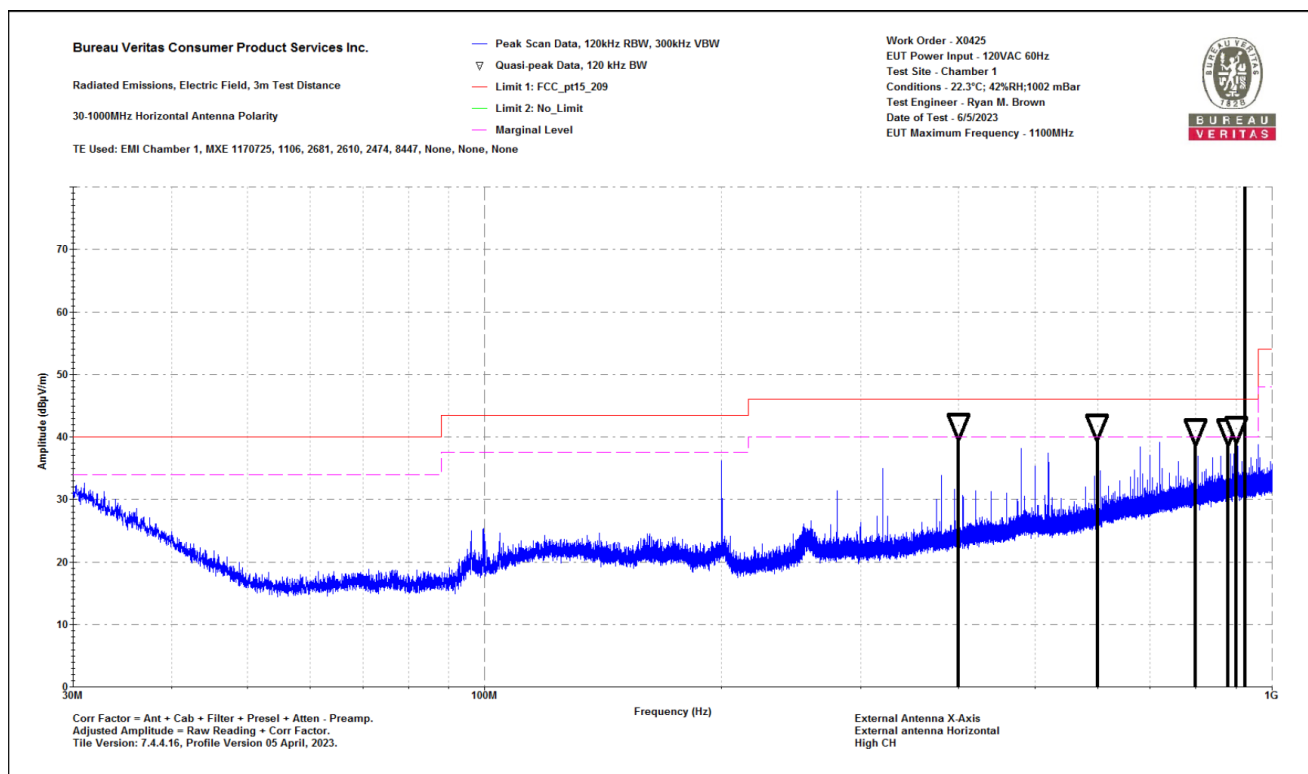
Conditions - 22.3°C; 42%RH;1002 mBar

Test Engineer - Ryan M. Brown

Date of Test - 6/5/2023

| Frequency (MHz) | Raw QP Reading (dBμV) | Correction Factor (dB/m) | Adjusted QP Amplitude (dBμV/m) | Lim1: FCC_pt15_209 (dBμV/m) | Margin to Lim1 (dB) | Test Results Lim1 (Pass/Fail) | Worst Margin Lim1 (dB) | Antenna Height (cm) | EUT Azimuth (degrees) |
|-----------------|-----------------------|--------------------------|--------------------------------|-----------------------------|---------------------|-------------------------------|------------------------|---------------------|-----------------------|
| 400.02 | 44.7 | -2.9 | 41.8 | 46 | -4.2 | PASS | | 105 | 80 |
| 600.013 | 41.5 | 0.3 | 41.8 | 46 | -4.2 | PASS | -4.2 | 151 | 272 |
| 800.026 | 37.3 | 3.7 | 41 | 46 | -5 | PASS | | 175 | 3 |
| 880.017 | 35.9 | 5.2 | 41 | 46 | -5 | PASS | | 100 | 271 |
| 900.019 | 35.8 | 5.6 | 41.4 | 46 | -4.6 | PASS | | 100 | 0 |
| 924.098 | Fundamental | | | | | | | 100 | 86 |

30-1000MHz Horizontal Data Table



30-1000MHz Horizontal Plot