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Testing Laboratory
Cert. #0793.02

Manufacturer: Zomedica Corp
100 Phoenix Drive
Ann Arbor, Michigan 48108 USA

Applicant: Same as Above

Product Name: VetGuardian

Product Description: The unit operates as a monitor for vital signs (respiration and heart rate) via wireless signals.

**Operating Voltage/Freq.
of EUT During Testing:** 120V/60 Hz

Model: ZOMVG04*
**Denotes actual model tested as worst-case representative of product family that includes models ZOMVG01, ZOMVG02, ZOMVG03 and ZOMVG04.*

FCC ID: 2BQZC-ZOMVG01

Testing Commenced: 2025-10-30

Testing Ended: 2025-11-18

Summary of Test Results: In Compliance, with Modifications

The EUT complies with the EMC requirements when manufactured identically as the unit tested in this report, including any required modifications and/or manufacturer's statement. Any changes to the design or build of this unit subsequent to this testing may deem it non-compliant.

Standards:

- ❖ FCC Part 15 Subpart C, Section 15.249
- ❖ FCC Part 15 Subpart C, Section 15.215(c) – Additional provisions to the general radiated emission limitations
- ❖ FCC15.207 - Conducted Limits
- ❖ FCC Part 15 Subpart A, Section 15.31(e) – Measurement Standards
- ❖ ANSI C63.10-2020/Cor 1-2023



Order No(s): F2X28772A-R1C

Applicant: Zomedica Corp
Model: ZOMVG01

Evaluation Conducted by:

Erik Tobin, EMC Engineer

Report Reviewed by:

Ken Littell, Vice President of Operations

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1 ADMINISTRATIVE INFORMATION

1.1 Measurement Location:

F2 Labs in Middlefield, Ohio. Site description and attenuation data are on file with the FCC's Sampling and Measurement Branch at the FCC Laboratory in Columbia, MD.

1.2 Measurement Procedure:

All measurements were performed according to ANSI C63.10 and recommended FCC procedure of measurement under Section 15.249. A list of the measurement equipment can be found in Section 6.



1.3 Uncertainty Budget:

The uncertainty in EMC measurements arises from several factors which affect the results, some associated with environmental conditions in the measurement room, the test equipment being used, and the measurement techniques adopted.

The measurement uncertainty budgets detailed below are calculated from the test and calibration data and are expressed with a 95% confidence factor using a coverage factor of $k=2$. The Uncertainty for a laboratory is referred to as U_{lab} . For Radiated and Conducted Emissions, the Expanded Uncertainty is compared to the U_{cispr} values to determine if a specific margin is required to deem compliance.

U_{lab}

Measurement Range	Combined Uncertainty	Expanded Uncertainty
Radiated Emissions <1 GHz @ 3m	2.54dB	5.07dB
Radiated Emissions <1 GHz @ 10m	2.55dB	5.09dB
Radiated Emissions 1 GHz to 2.7 GHz	1.81dB	3.62dB
Radiated Emissions 2.7 GHz to 18 GHz	1.55dB	3.10dB
AC Power Line Conducted Emissions, 150kHz to 30 MHz	1.38dB	2.76dB
AC Power Line Conducted Emissions, 9kHz to 150kHz	1.66dB	3.32dB

U_{cispr}

Measurement Range	Expanded Uncertainty
Radiated Emissions <1 GHz @ 3m	5.2dB
Radiated Emissions <1 GHz @ 10m	5.2dB
Radiated Emissions 1 GHz to 2.7 GHz	Under Consideration
Radiated Emissions 2.7 GHz to 18 GHz	Under Consideration
AC Power Line Conducted Emissions, 150kHz to 30 MHz	3.6dB
AC Power Line Conducted Emissions, 9kHz to 150kHz	4.0dB

If U_{lab} is less than or equal to U_{cispr} , then:

- compliance is deemed to occur if no measured disturbance exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance exceeds the disturbance limit.

If U_{lab} is greater than U_{cispr} in table 1, then:

- compliance is deemed to occur if no measured disturbance, increased by $(U_{lab} - U_{cispr})$, exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance, increased by $(U_{lab} - U_{cispr})$, exceeds the disturbance limit.

Note: Only measurements listed in the tables above that relate to tests included in this Test Report are applicable.



Order No(s): F2X28772A-R1C

Applicant: Zomedica Corp
Model: ZOMVG01

1.4 Document History:

Document Number	Description	Issue Date	Approved By
F2X28772A-R1C-01E	First Issue	2025-11-18	K. Littell



2 SUMMARY OF TEST RESULTS

Test Name	Standard(s)	Results
99% Occupied Bandwidth	CFR 47 Part 15.215(c)	Complies
-20dB Occupied Bandwidth	CFR 47 Part 15.215(c)	Complies
Field Strength of Emissions	CFR 47 Part 15.249(a)(d)	Complies
Variation of the Input Power	CFR 47 Part 15.31(e)	Complies
Conducted Emissions	CFR 47 Part 15.207(a)	Complies

Note: Product was operated using an AC to DC power supply, so Voltage Variation testing in 15.31(3)(e) was performed at the nominal voltage, and then the 85% and 115% of that voltage was tested also. The output power at the Low, Mid, and High channels was measured to verify how much the power and frequency were affected by the variation of the input power. No shift in frequency or power was measured at either of the varied voltages on any of the channels.

Modifications Made to the Equipment
The following modifications were made to meet Spurious Emissions & Field Strength requirements: LOS set to 20; TX set to 17.

**3 TABLE OF MEASURED RESULTS**

Test		5735 MHz	5856 MHz	5870 MHz
Average Field Strength of Fundamental		43.7 millivolts/meter, 92.8dB μ V/m	28.8 millivolts/meter, 89.2dB μ V/m	26.6 millivolts/meter, 88.5dB μ V/m
Average Limit for Fundamental		50 millivolts/meter, 93.98 dB μ V/m	50 millivolts/meter, 93.98 dB μ V/m	50 millivolts/meter, 93.98 dB μ V/m
99% Occupied Bandwidth		24.84kHz	24.84kHz	25.64kHz
-20dB Occupied Bandwidth		29.64kHz	30.45kHz	34.45kHz
Voltage Variations	-15%, V	91.6 dBuV/m / 38.019 mV/m	5.188 dBuV/m / 74.3 mV/m	87.2 dBuV/m / 22.909 mV/m
	-15%, H	80.8 dBuV/m / 10.965 mV/m	89 / 28.184	73.3 dBuV/m / 4.624 mV/m
	Nominal	92.8dBuV/m / 43.7 mV/m	89.2dBuV/m / 28.8 mV/m	88.5dBuV/m / 26.6 mV/m
	+15%, V	80.5 dBuV/m / 10.593 mV/m	73.1dBuV/m / 4.519 mV/m	74.0 dBuV/m / 5.012 mV/m
	+15%, H	91.9 dBuV/m / 39.355 mV/m	88.6 dBuV/m / 26.915 mV/m	87.6 dBuV/m / 23.988 mV/m



4 ENGINEERING STATEMENT

This report has been prepared on behalf of Zomedica Corp to provide documentation for the testing described herein. This equipment has been tested and found to comply with part 15.249 of the FCC Rules using ANSI C63.10 standard. The test results found in this test report relate only to the items tested.



5 EUT INFORMATION AND DATA

5.1 Equipment Under Test:

Product: Heart Monitor (VetGuardian)

Model: ZOMVG04*

Serial No.: 79d96fff

Firmware: 2.5

Hardware: G

FCC ID: 2BQZC-ZOMVG01

**Denotes actual model tested as worst-case representative of product family that includes models ZOMVG01, ZOMVG02, ZOMVG03 and ZOMVG04.*

5.2 Trade Name:

Zomedica Corp

5.3 Power Supply:

Shenzhen model J483-1203500UX

5.4 Applicable Rules:

CFR 47, Part 15.249, subpart C

5.5 Antenna:

PCB Trace

5.6 Accessories:

None

5.7 Test Item Condition:

The equipment to be tested was received in good condition.

5.8 Testing Algorithm:

EUT was turned on; set to transmit a continuous signal at 5735, 5856 and 5870 MHz.

**6 LIST OF MEASUREMENT INSTRUMENTATION**

Equipment Type	Asset Number	Manufacturer	Model	Serial Number	Calibration Due Date
Shielded Chamber	CL166-E	Albatross Projects	B83117-DF435-T261	US140023	2026-05-07
Receiver	CL151	Rohde & Schwarz	ESU40	100319	2026-04-09
Low Loss Cable Set	--	Pasternack	PE3C0666-252 / PE3C066-50CM	None Spec.	Verified
Horn Antenna 18-26.5 GHz	CL114	A.H. Systems, Inc.	SAS-572	237	2026-01-09
Pre-Amplifier	CL153	Keysight Tech.	83006A	MY39500791	2025-12-04
Amplifier w/Monopole & 18" Loop	CL163-Loop	A.H. Systems, Inc.	EHA-52B	100	2026-04-01
Antenna, JB3 Combination	CL175	Sunol Sciences	JB3	A030315	2026-09-02
Horn Antenna 26.5-40 GHz	CL332	Com-Power	AH-640	10070000	2027-09-02
Horn Antenna	CL333	EMC Shop	DRHA18G	J203061349	2026-07-09
Pre-Amplifier	CL189	Com-Power	PAM-840A	461303	2026-04-10
Transient Limiter	0202	Hewlett Packard	11947A	3107A00729	2026-04-07
Software:	Tile Version 3.4.B.3. Software Verified: 2025-10-30 to 2025-10-31; 2025-11-18				
Software:	EMC 32, Version 8.53.0 Software Verified: 2025-10-30 to 2025-10-31				
LISN	CL181	Com-Power	LI-125A	191226	2026-11-20
LISN	CL182	Com-Power	LI-125A	191225	2026-11-21
Temp/Hum Rec	CL327	Thermpro	TP50	8	2028-03-20
Temp/Hum Rec	CL294	Thermpro	TP50	2	2026-04-27
Spectrum Analyzer	0141	Hewlett Packard	8591E	3520A04145	2026-04-07
Transient Limiter	CL102	Hewlett Packard	11947A	3107A03325	2026-04-07
Temp/Hum Rec	CL294	Thermpro	TP50	2	2026-04-27



7 FCC PART 15.215(e), OCCUPIED BANDWIDTH

7.1 Requirements:

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the -20dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated. The requirement to contain the designated bandwidth of the emission within the specified frequency band includes the effects from frequency sweeping, frequency hopping and other modulation techniques that may be employed as well as the frequency stability of the transmitter over expected variations in temperature and supply voltage.

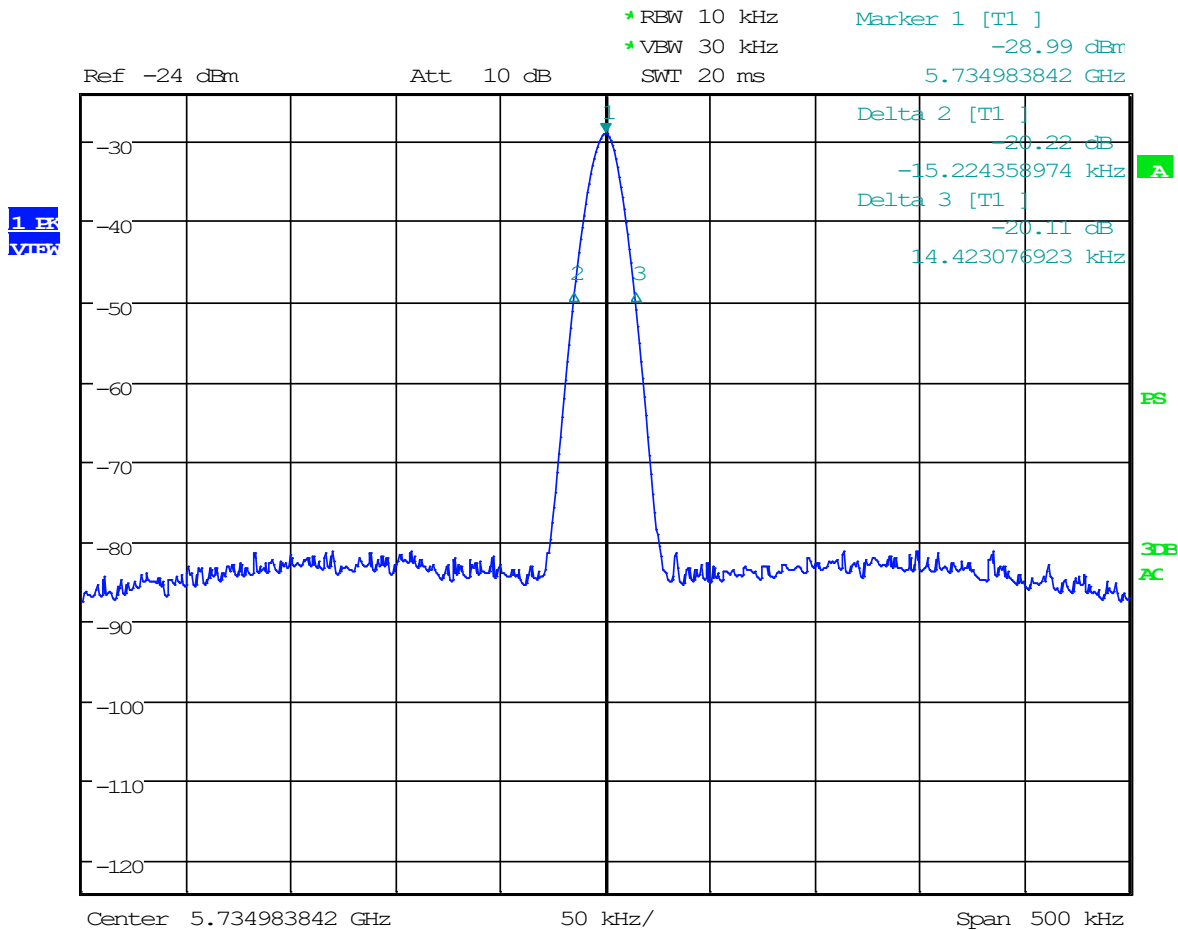
Bandwidth measurements were made at the 5.87 GHz frequency. The bandwidth was measured using the analyzer's marker function. Two resolution bandwidths were used.



7.2 Occupied Bandwidth Test Data

Test Date(s):	2025-10-30	Test Engineer(s):	E. Tobin
Standards:	CFR 47 Part 15.215(c)	Air Temperature:	22.5°C
		Relative Humidity:	40%

-20dB: Low Channel

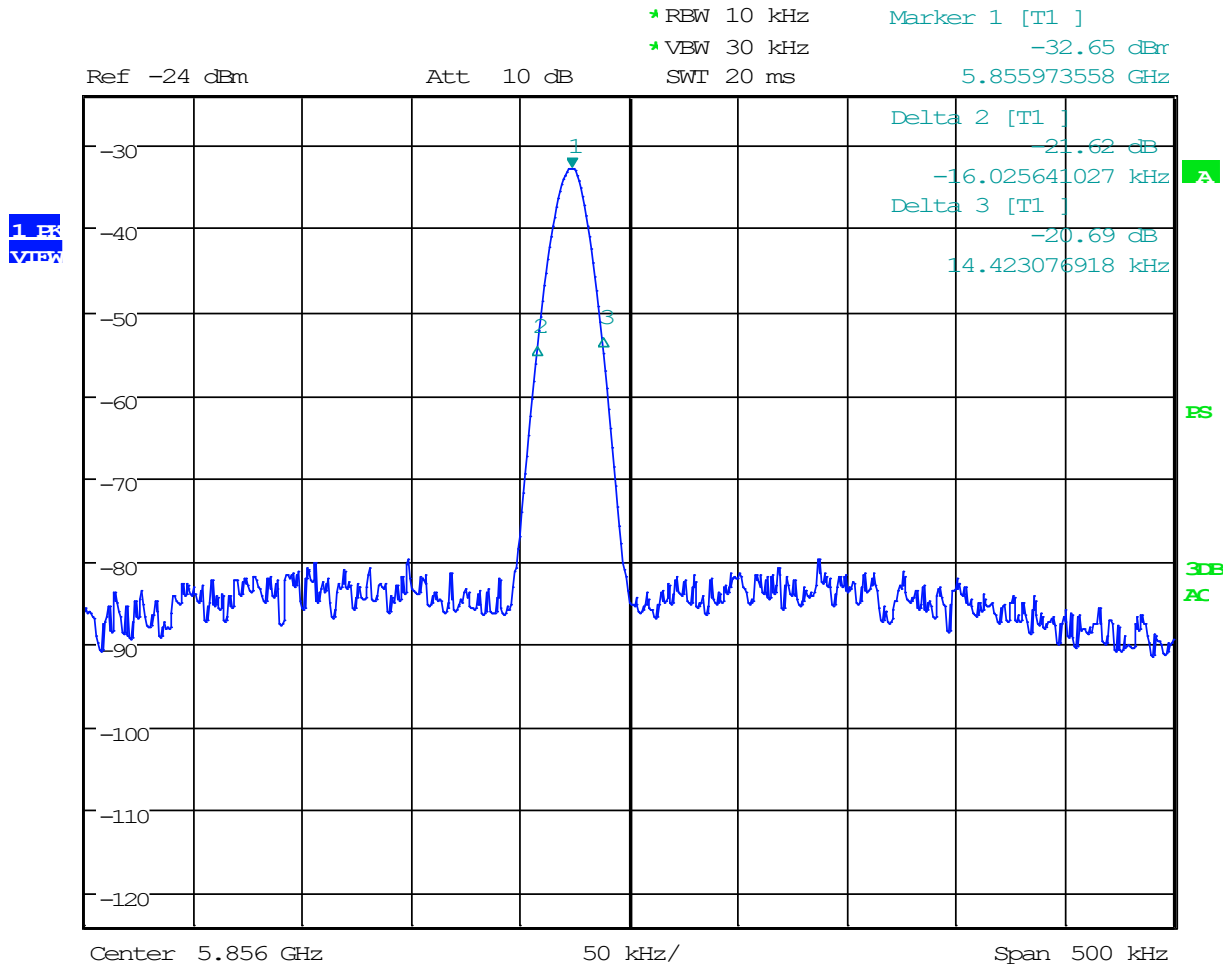


Date: 30.OCT.2025 14:16:58

Note: The nature of the signal prevents a 1-5% RBW.



-20dB: Mid Channel

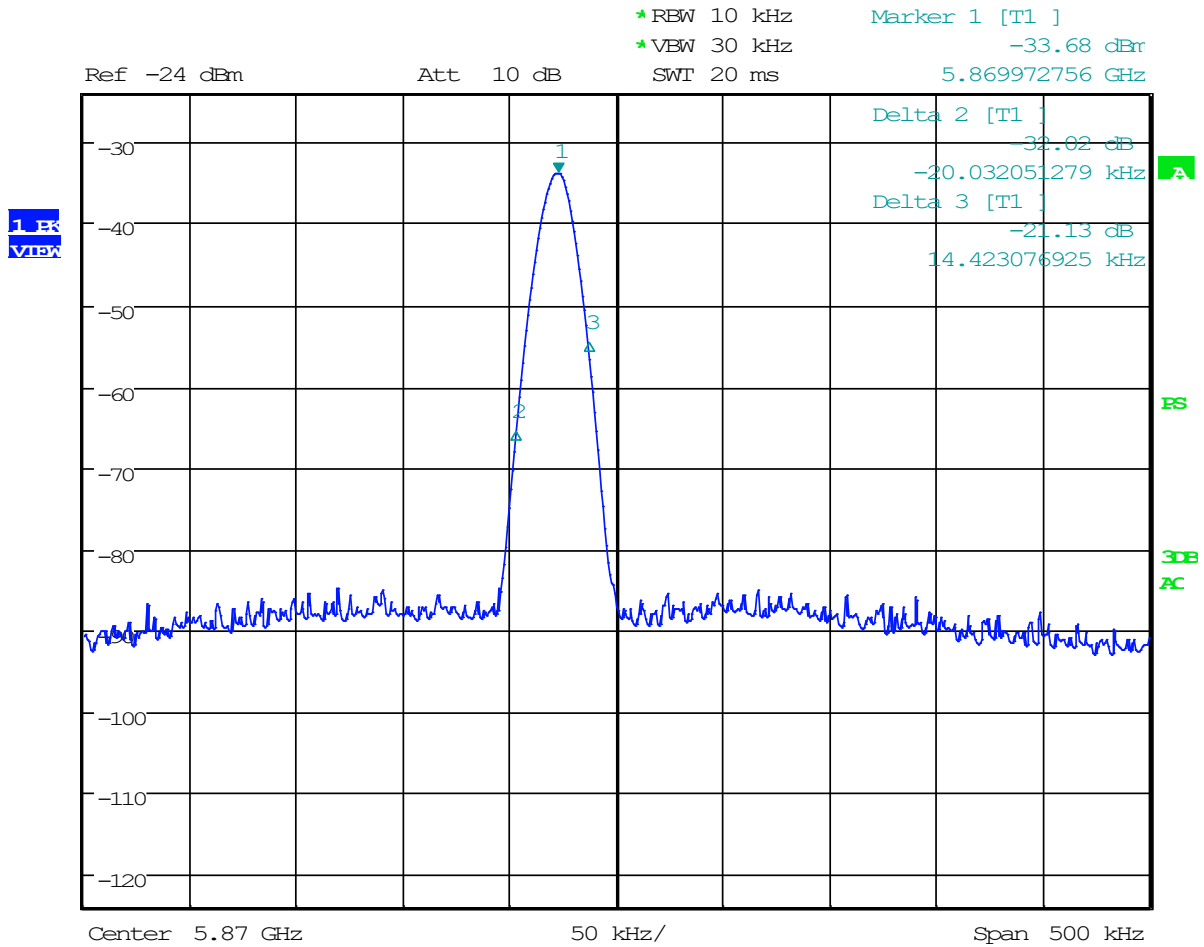


Date: 30.OCT.2025 14:23:03

Note: The nature of the signal prevents a 1-5% RBW.



-20dB: High Channel

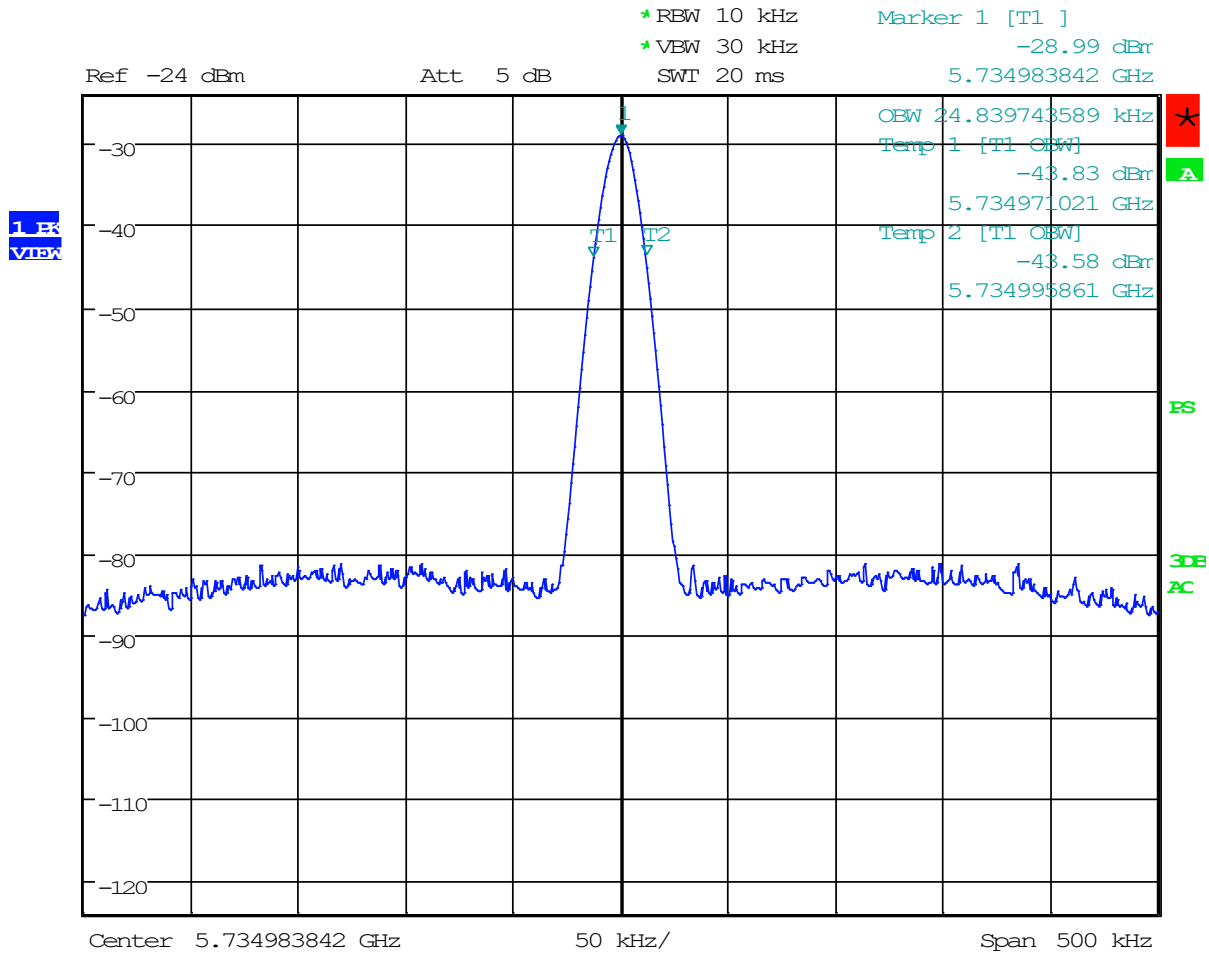


Date: 30.OCT.2025 14:31:00

Note: The nature of the signal prevents a 1-5% RBW.



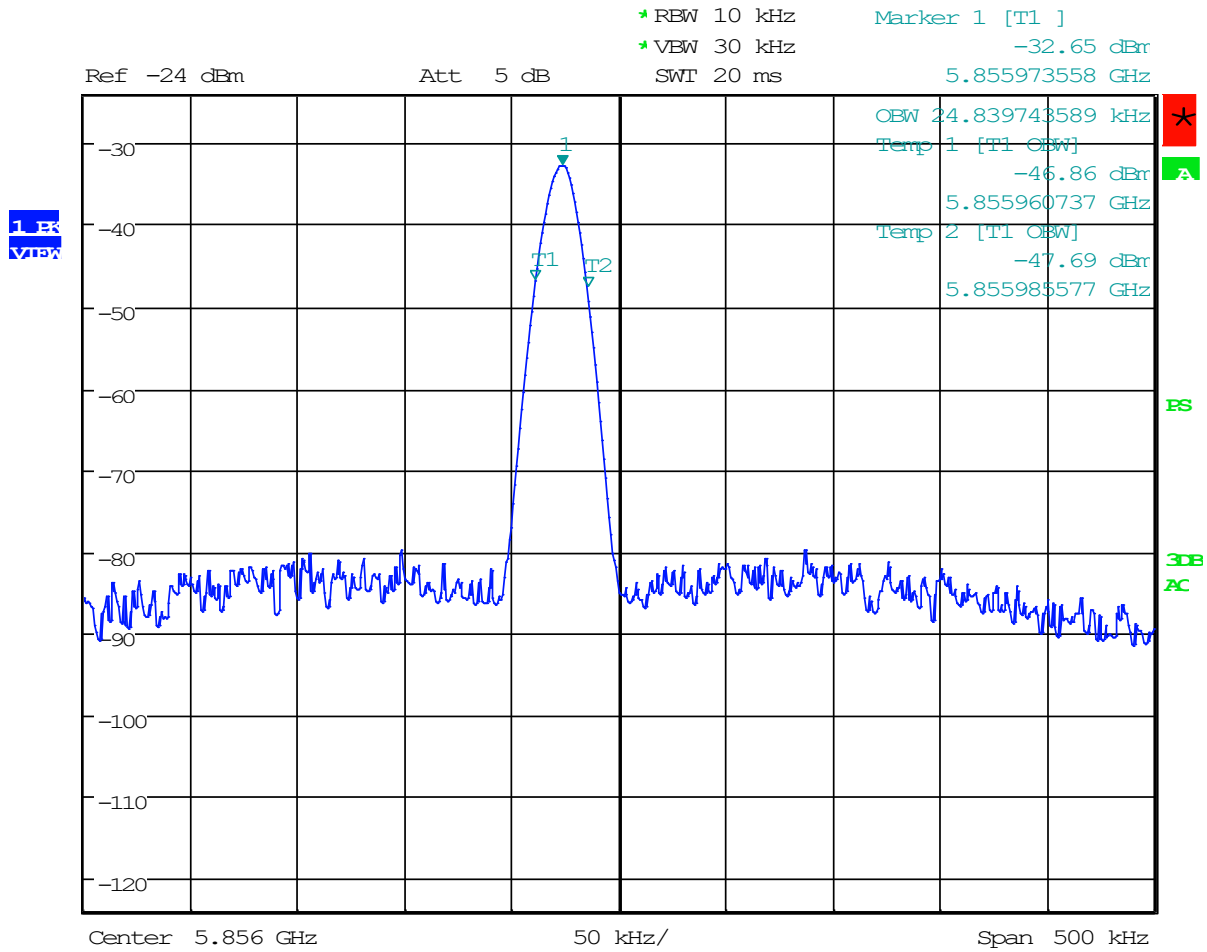
-99%: Low Channel



Date: 30.OCT.2025 14:17:33



-99%: Mid Channel



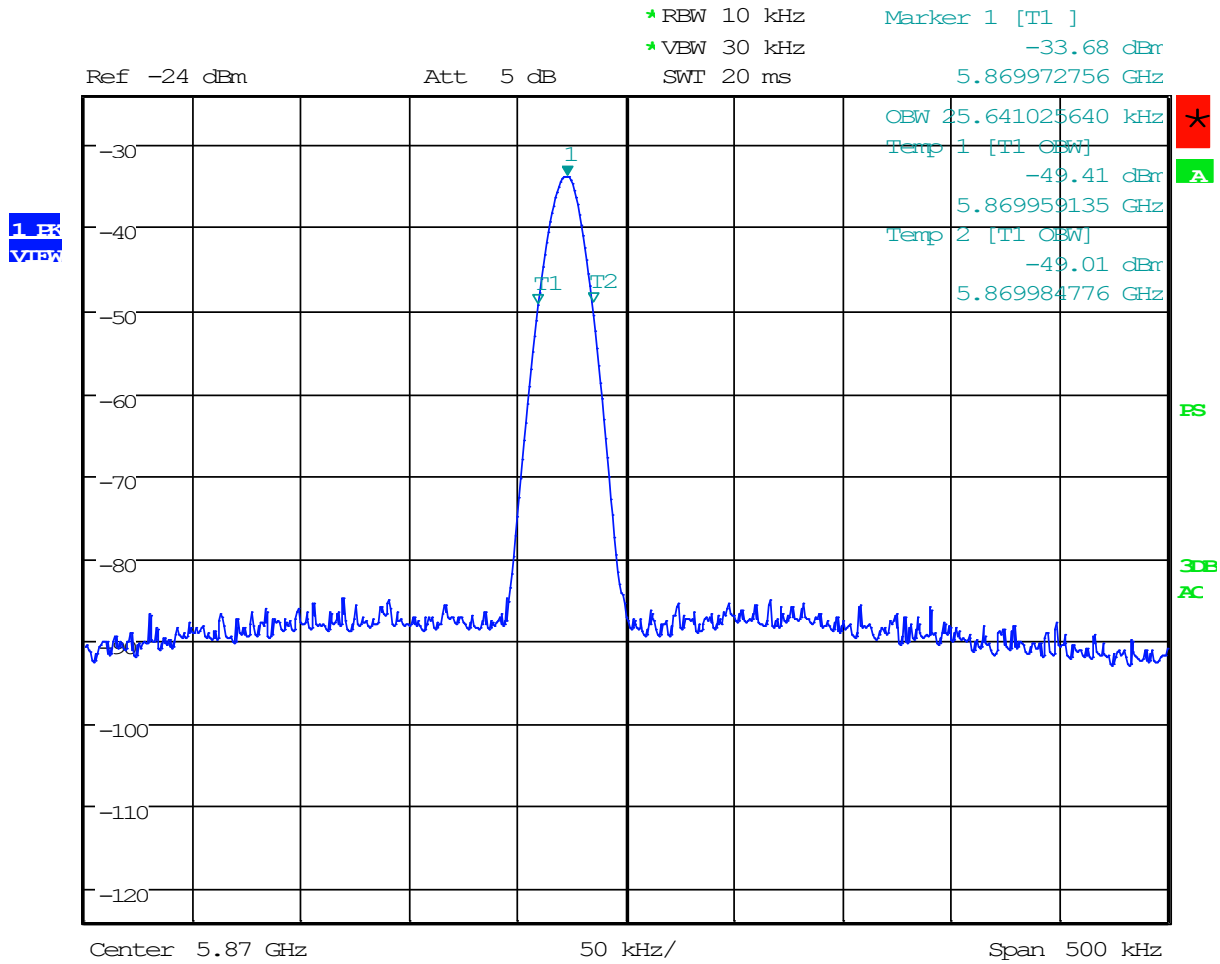
Date: 30.OCT.2025 14:23:27



Order No(s): F2X28772A-R1C

Applicant: Zomedica Corp
Model: ZOMVG01

-99%: High Channel



Date: 30.OCT.2025 14:31:20



8 FIELD STRENGTH OF EMISSIONS FROM INTENTIONAL RADIATORS

(a) Except as provided in paragraph (b) of this section, the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

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

(d) Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50dB below the level of the fundamental or to the general radiated emission limits in §15.209, whichever is the lesser attenuation.

NOTE: During the pre-scan evaluation, the EUT was rotated in all possible directions to find the maximum emissions. The orthogonal position that showed the highest emissions was used. The antenna was raised between 1 and 4 meters and the EUT turntable was rotated 360 degrees to maximize the emissions.

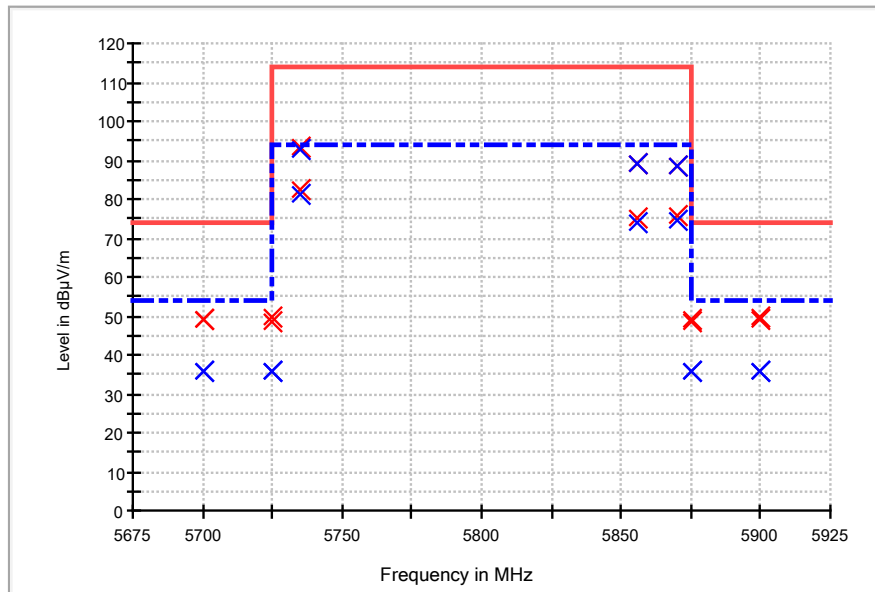


8.1 Test Data - Field Strength of Emissions from Intentional Radiators

Test Date(s):	2025-10-30	Test Engineer(s):	E. Tobin
Standards:	CFR 47 Part 15.249(a)	Air Temperature:	22.2°C
		Relative Humidity:	39%

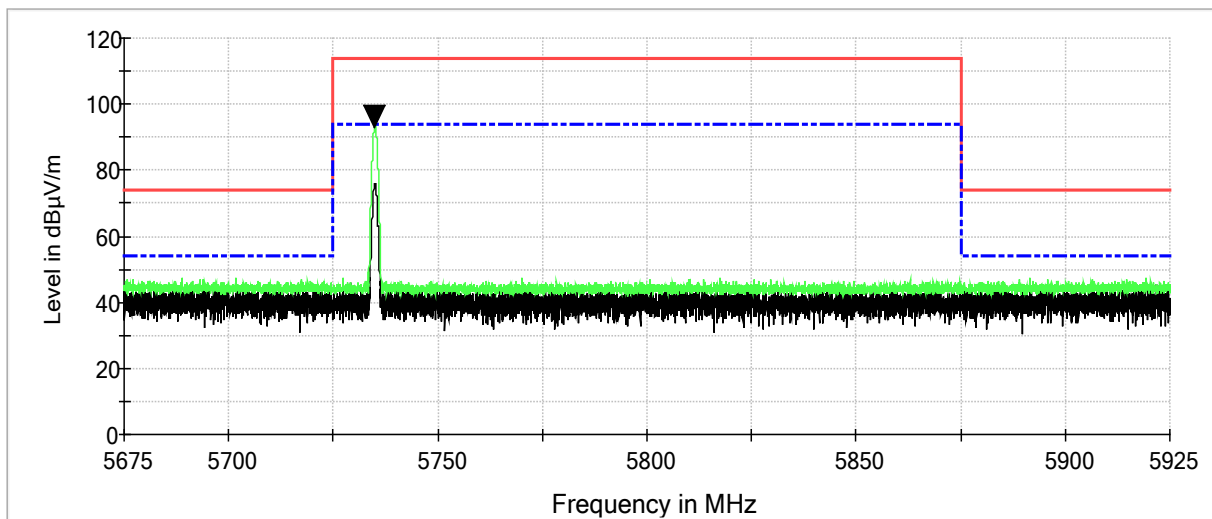
Band Edge and Field Strength of the Fundamentals

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBμV/m)	Comment
5700.000000	49.1	35.9	1000.000	120.0	H	265.0	8.8	18.1	54.0	
5700.000000	48.9	35.9	1000.000	190.0	V	285.0	8.8	18.1	54.0	
5725.000000	49.4	35.8	1000.000	120.0	H	265.0	8.8	18.2	54.0	
5725.000000	48.7	35.8	1000.000	190.0	V	285.0	8.8	18.2	54.0	
5735.000000	93.1	92.8	1000.000	190.0	V	285.0	8.8	1.2	94.0	
5735.000000	82.2	81.2	1000.000	120.0	H	265.0	8.8	12.8	94.0	
5856.000000	75.1	74.2	1000.000	150.0	H	325.0	8.7	19.8	94.0	
5856.000000	89.3	89.2	1000.000	170.0	V	280.0	8.7	4.8	94.0	
5870.000000	88.6	88.5	1000.000	150.0	V	285.0	8.7	5.5	94.0	
5870.000000	75.5	74.8	1000.000	150.0	H	330.0	8.7	19.2	94.0	
5875.000000	49.2	35.9	1000.000	150.0	V	285.0	8.8	18.1	54.0	
5875.000000	48.8	35.9	1000.000	150.0	H	330.0	8.8	18.1	54.0	
5900.000000	49.5	36.0	1000.000	150.0	V	285.0	8.8	18.0	54.0	
5900.000000	49.2	36.0	1000.000	150.0	H	330.0	8.8	18.0	54.0	
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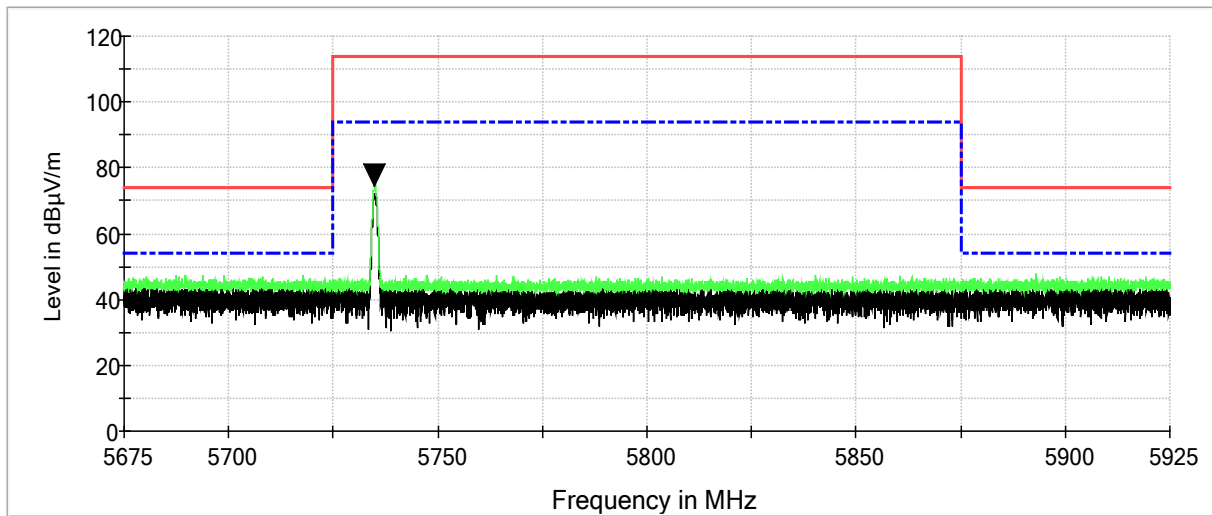




Vertical: Low Channel

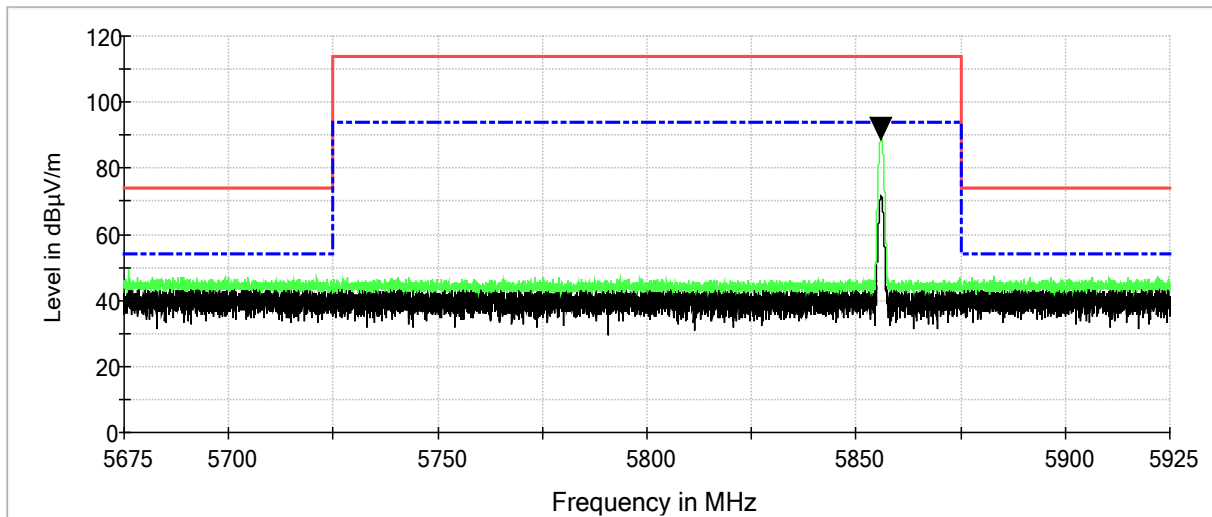


Horizontal: Low Channel

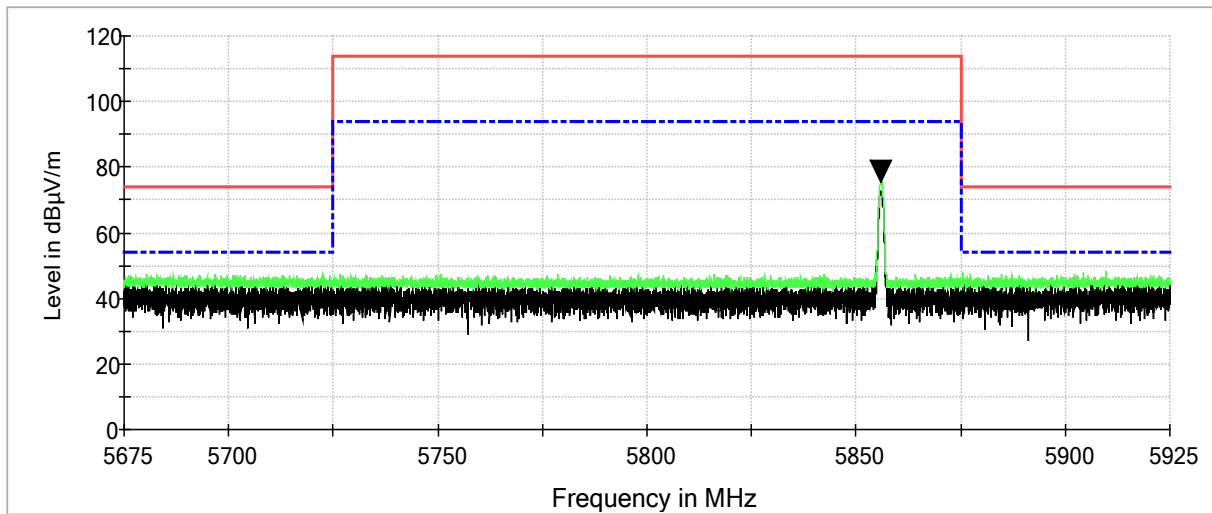




Vertical: Mid Channel

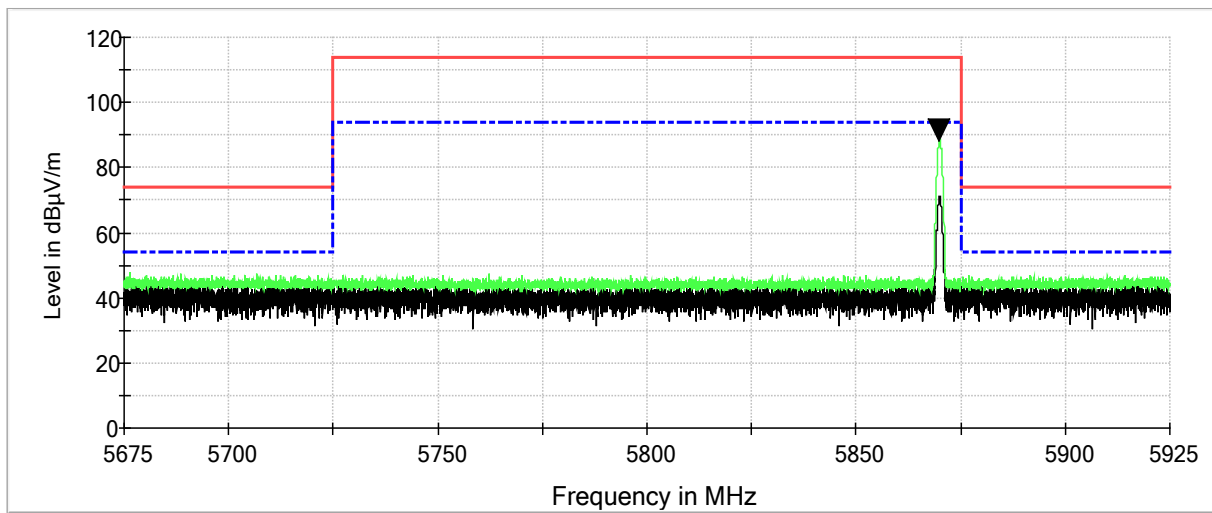


Horizontal: Mid Channel

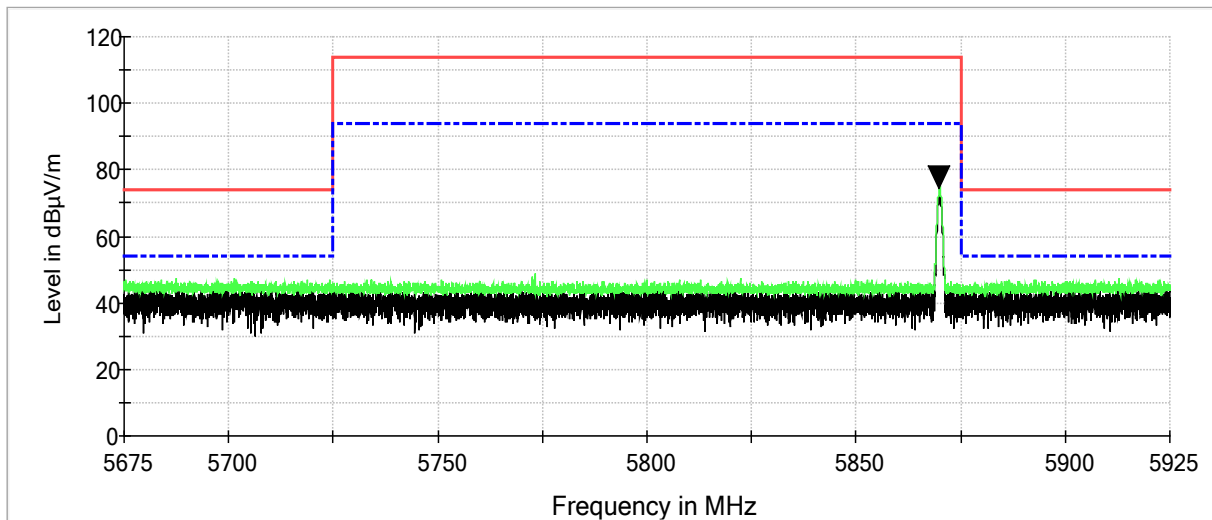




Vertical: High Channel



Horizontal: High Channel





8.2 Test Data – Spurious Emissions

Notes: Plots are peak, max hold pre-scan data included only to determine what frequencies to investigate and measure. During the pre-scan evaluation, the EUT was rotated in all possible directions to find the maximum emissions. The orthogonal position that showed the highest emissions was used. At some frequencies, no emissions from the EUT were measurable over the ambient noise floor. The readings did not change with EUT on and EUT off.

At least 6 of the highest frequencies were measured per ANSI 63.4 in a 3-meter anechoic chamber. Frequencies below 1 GHz were measured using a quasi-peak detector. The antenna was raised between 1 and 4 meters and the EUT turntable was rotated 360 degrees to maximize the emissions. Some of the frequencies did not change with the EUT on or off. At those frequencies, the test distance was shortened to 1 meter and still no emissions from the EUT were visible or over the ambient or limit. Frequencies were scanned from 9kHz to 40 GHz and the highest emissions are listed below.

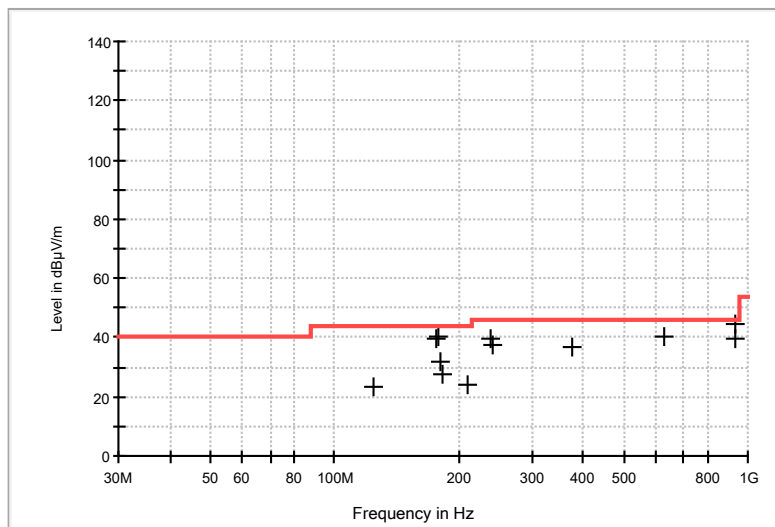
In the following plots, the black line indicates ambient noise and the red line indicates the measurement with the EUT on. Emissions to be found by the EUT were measured and listed in tables below.



Test Date(s):	2025-10-30	Test Engineer(s):	E. Tobin
Standards:	CFR 47 Part 15.249(d) / Part 15.209	Air Temperature:	22.2°C
		Relative Humidity:	39%

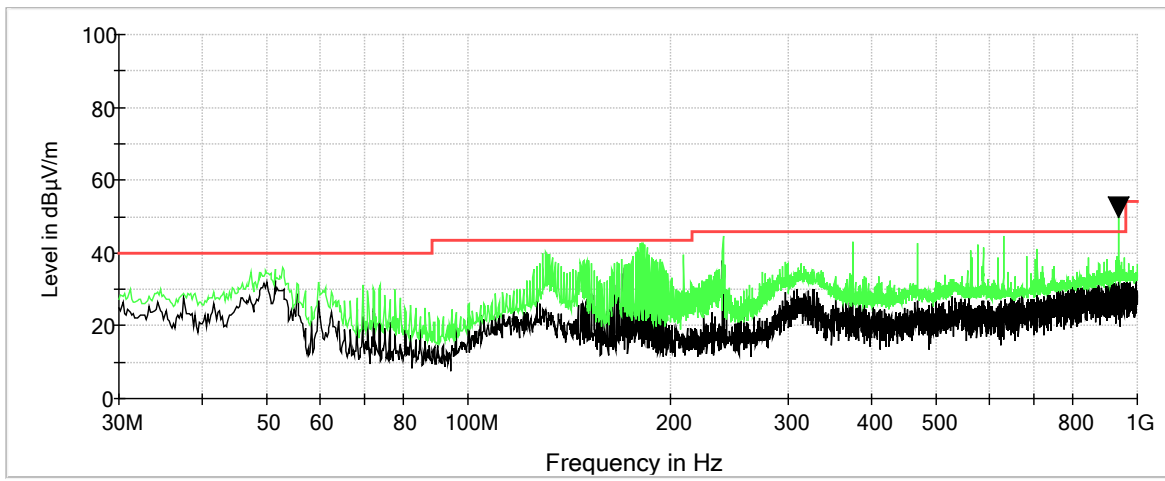
AC Mode

Frequency (MHz)	QuasiPeak (dBμV/m)	Bandwidth (kHz)	Height (cm)	Pol.	Azimuth (deg)	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBμV/m)
124.866000	23.3	120.000	100.0	H	353.0	-25.5	20.2	43.5
176.470000	39.6	120.000	100.0	H	0.0	-27.9	3.9	43.5
177.828000	40.0	120.000	100.0	H	0.0	-28.0	3.5	43.5
180.544000	31.7	120.000	150.0	V	3.0	-27.9	11.8	43.5
181.902000	27.3	120.000	150.0	V	358.0	-27.9	16.2	43.5
209.838000	24.2	120.000	150.0	V	0.0	-28.2	19.3	43.5
239.908000	39.4	120.000	100.0	H	12.0	-26.8	6.6	46.0
240.102000	37.8	120.000	150.0	V	355.0	-26.8	8.2	46.0
374.932000	36.5	120.000	100.0	H	0.0	-23.3	9.5	46.0
630.042000	40.2	120.000	150.0	V	0.0	-18.5	5.8	46.0
937.532000	39.6	120.000	100.0	H	2.0	-12.6	6.4	46.0
937.532000	44.8	120.000	150.0	V	194.0	-12.6	1.2	46.0

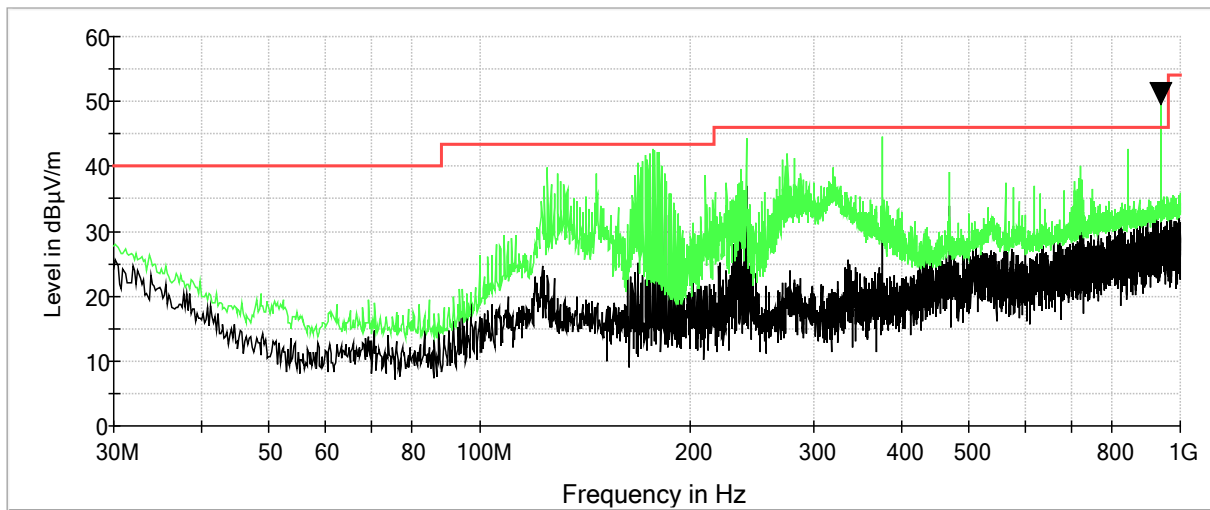




30 MHz to 1000 MHz: AC Mode, Vertical

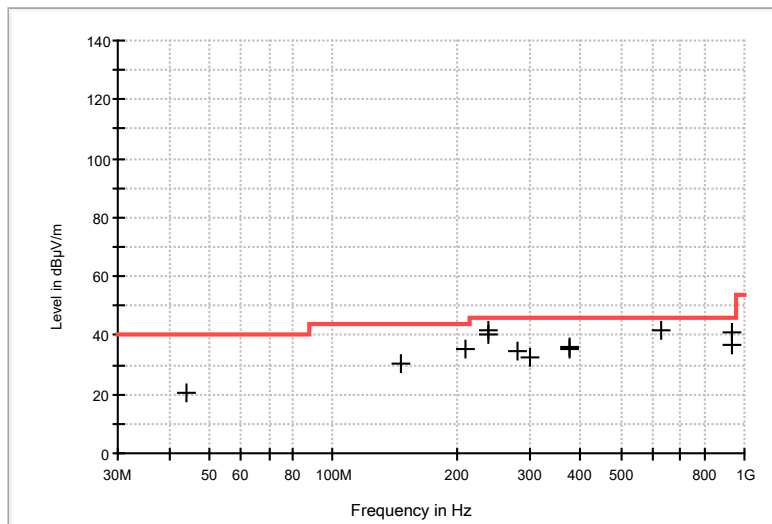


30 MHz to 1000 MHz: AC Mode, Horizontal



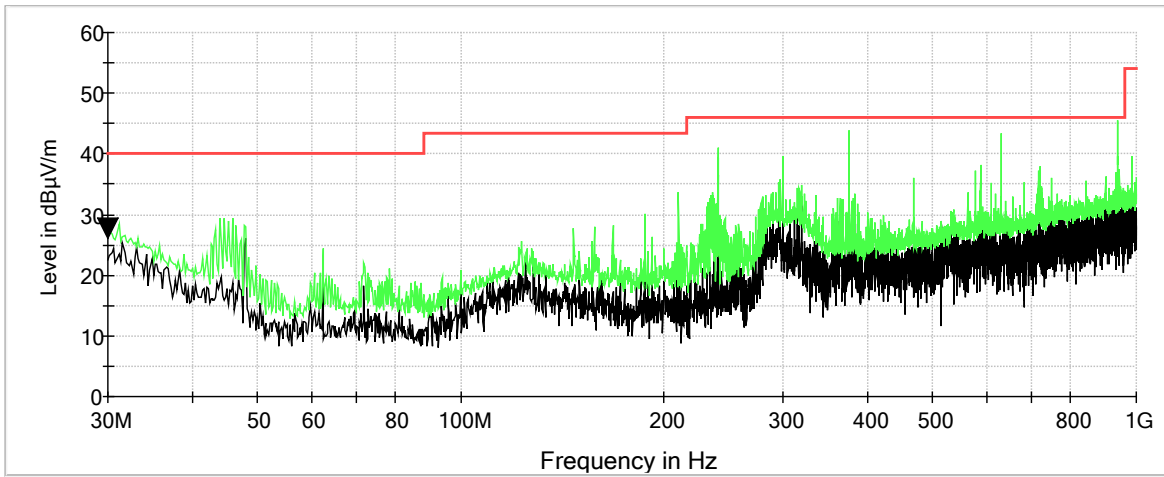
**Battery Mode**

Frequency (MHz)	QuasiPeak (dB μ V/m)	Bandwidth (kHz)	Height (cm)	Pol.	Azimuth (deg)	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dB μ V/m)
43.968000	20.8	120.000	150.0	V	9.0	-29.3	19.2	40.0
146.982000	30.2	120.000	100.0	H	353.0	-26.7	13.3	43.5
210.032000	35.4	120.000	100.0	H	0.0	-28.2	8.1	43.5
239.908000	40.6	120.000	150.0	V	348.0	-26.8	5.4	46.0
239.908000	41.5	120.000	100.0	H	0.0	-26.8	4.5	46.0
280.260000	34.8	120.000	100.0	H	5.0	-25.1	11.2	46.0
300.048000	32.5	120.000	150.0	V	3.0	-25.1	13.5	46.0
374.932000	35.2	120.000	150.0	V	353.0	-23.3	10.8	46.0
374.932000	36.1	120.000	100.0	H	358.0	-23.3	9.9	46.0
630.042000	41.4	120.000	150.0	V	7.0	-18.5	4.6	46.0
937.532000	41.0	120.000	100.0	H	0.0	-12.6	5.0	46.0
937.726000	36.8	120.000	150.0	V	0.0	-12.6	9.2	46.0

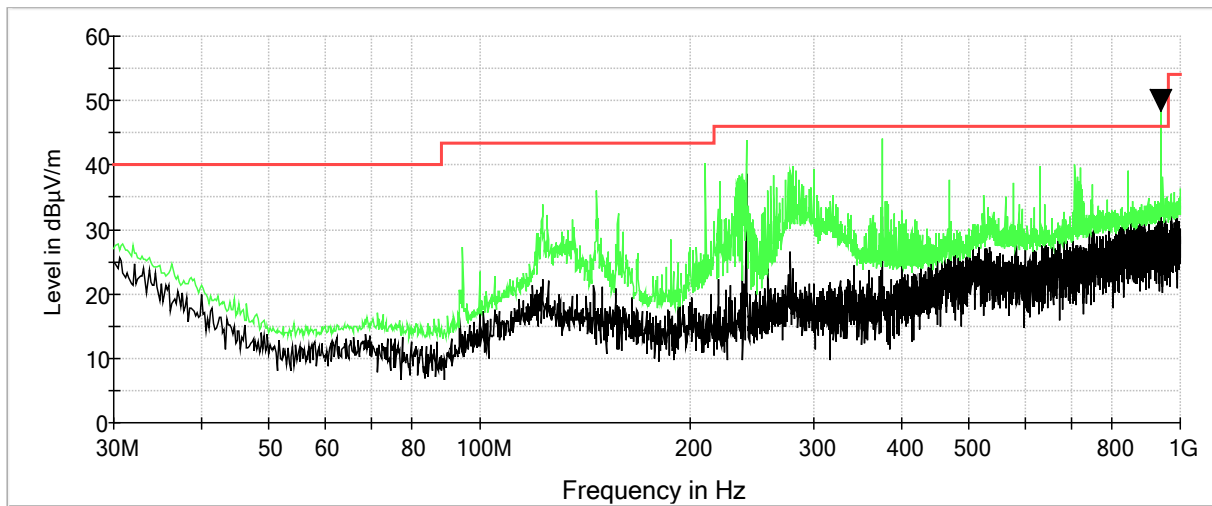




30 MHz to 1000 MHz: Battery Mode, Vertical

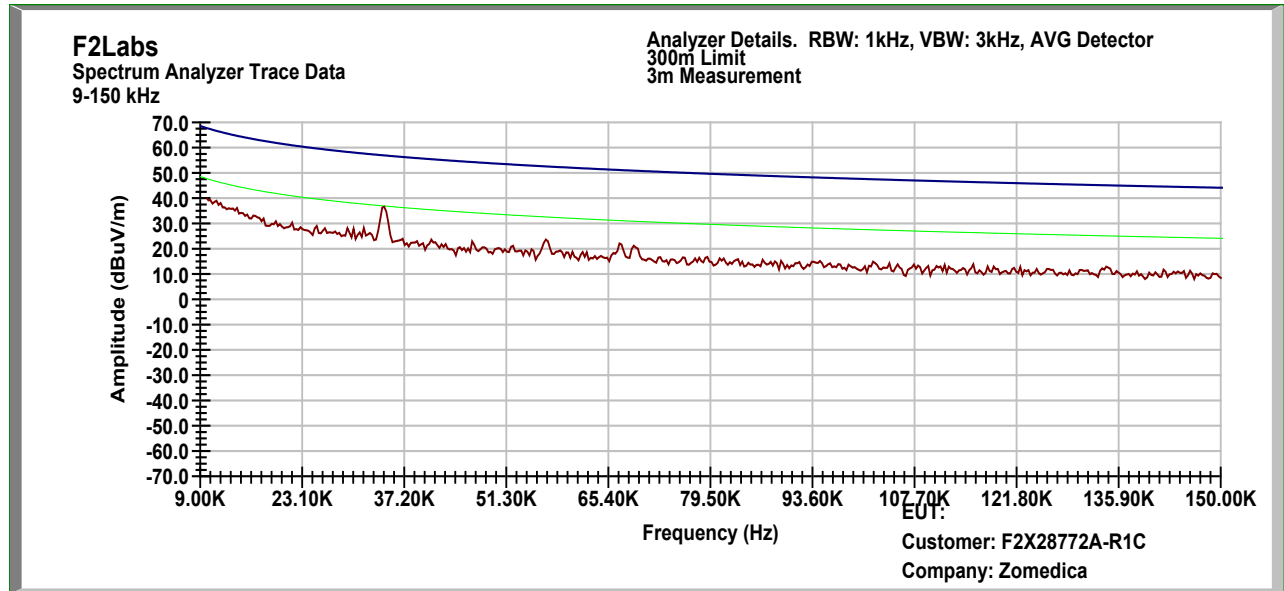


30 MHz to 1000 MHz: Battery Mode, Horizontal

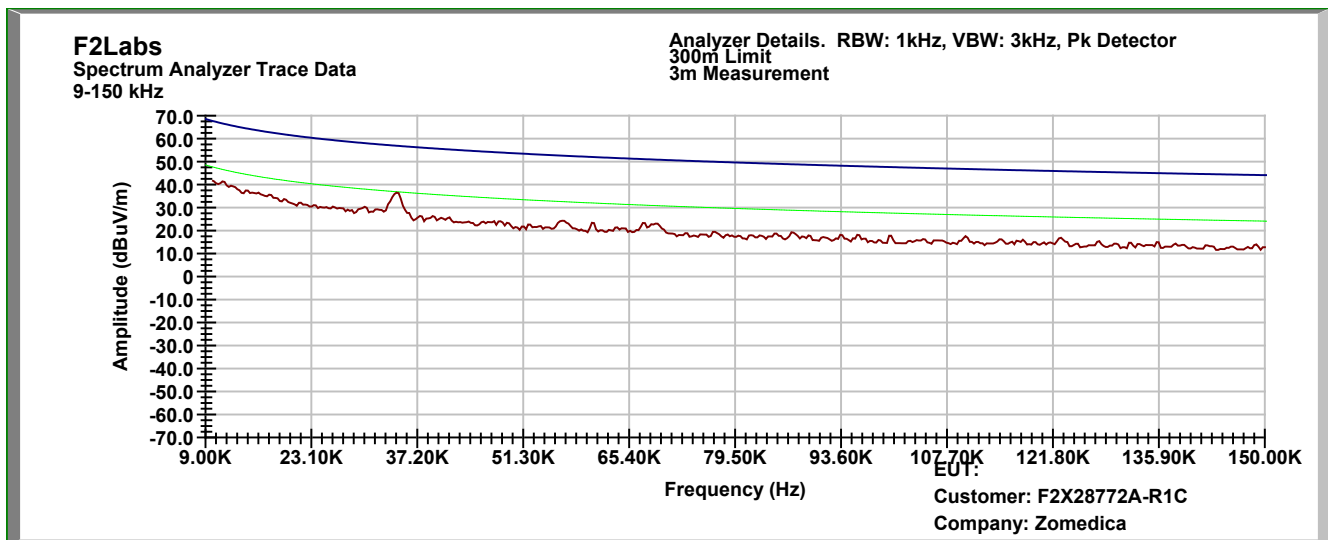




9 kHz to 150 kHz, AVG

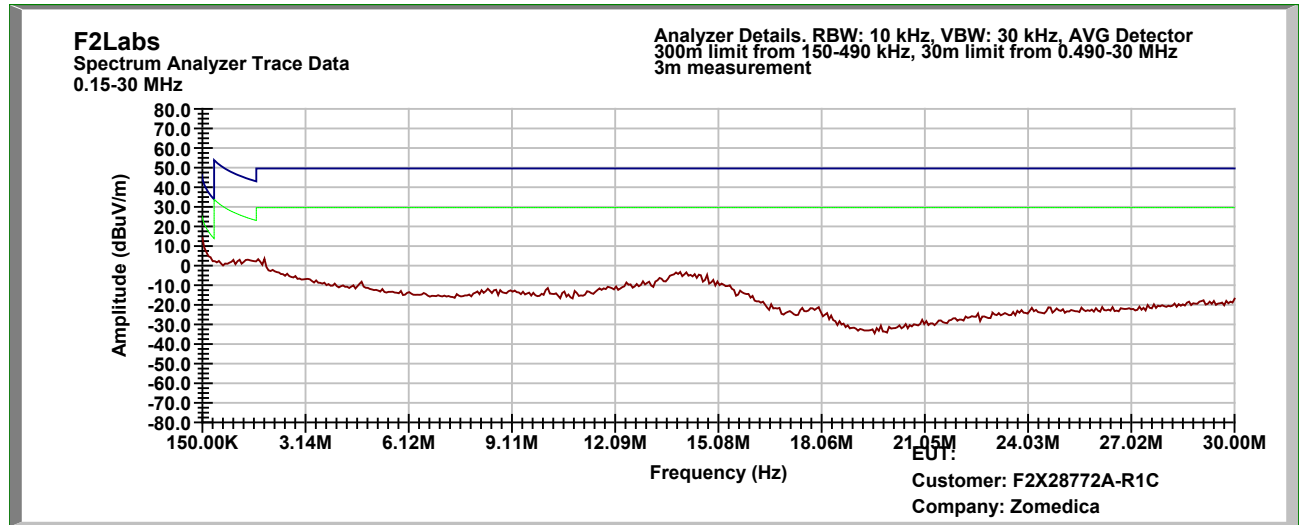


9 kHz to 150 kHz, Peak

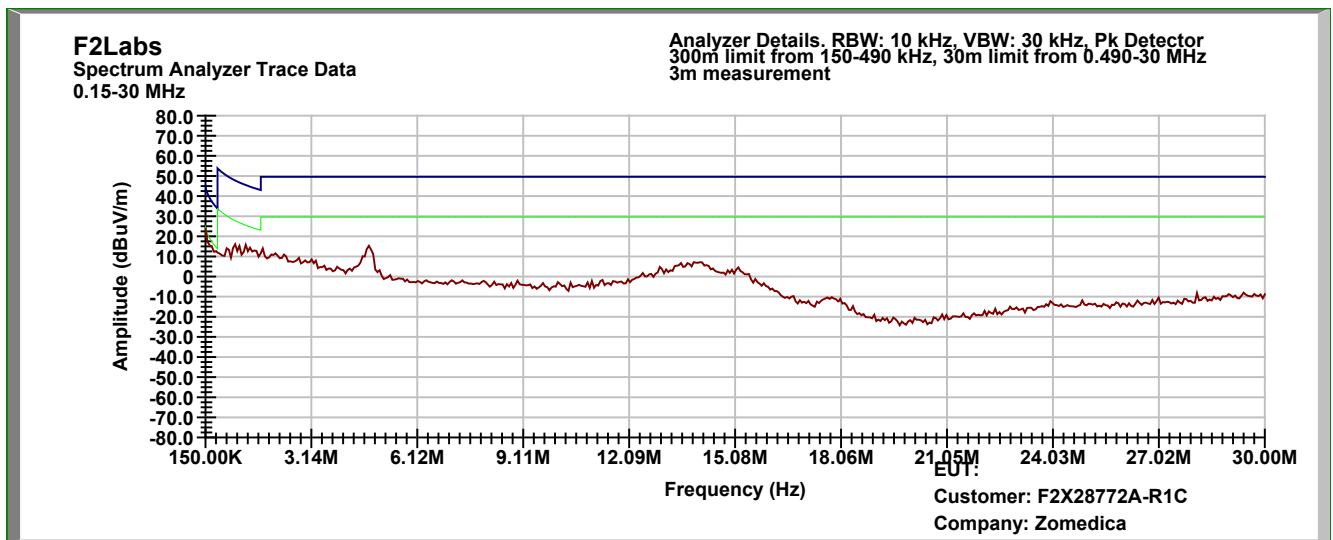




0.15 MHz to 30 MHz, AVG

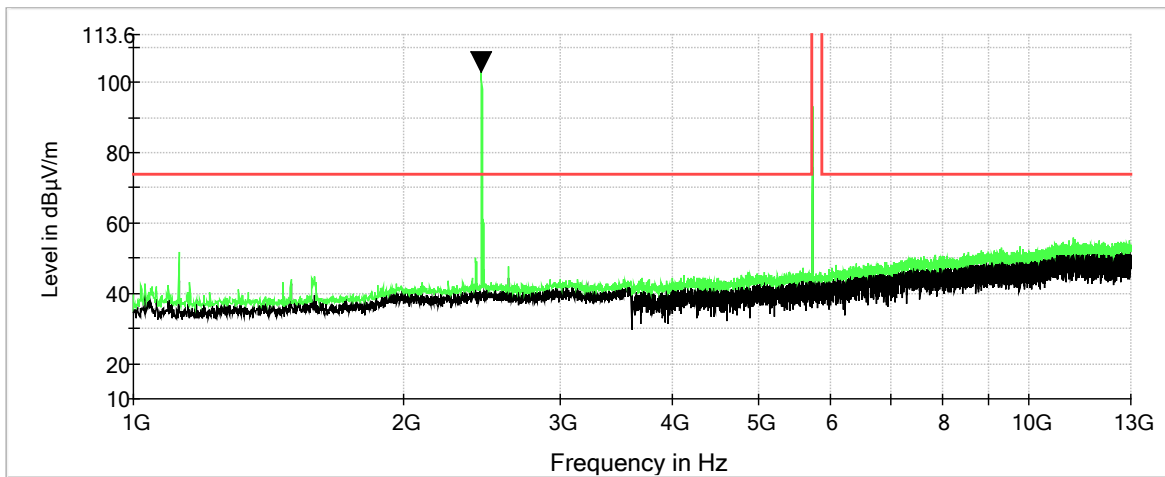


0.15 MHz to 30 MHz, Peak

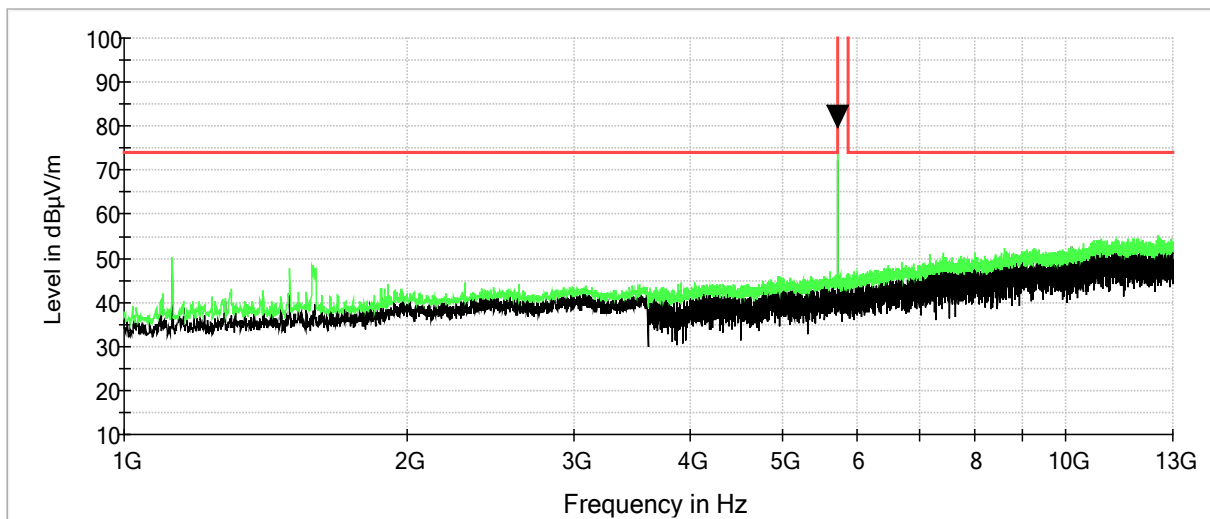




1 GHz to 18 GHz, Vertical



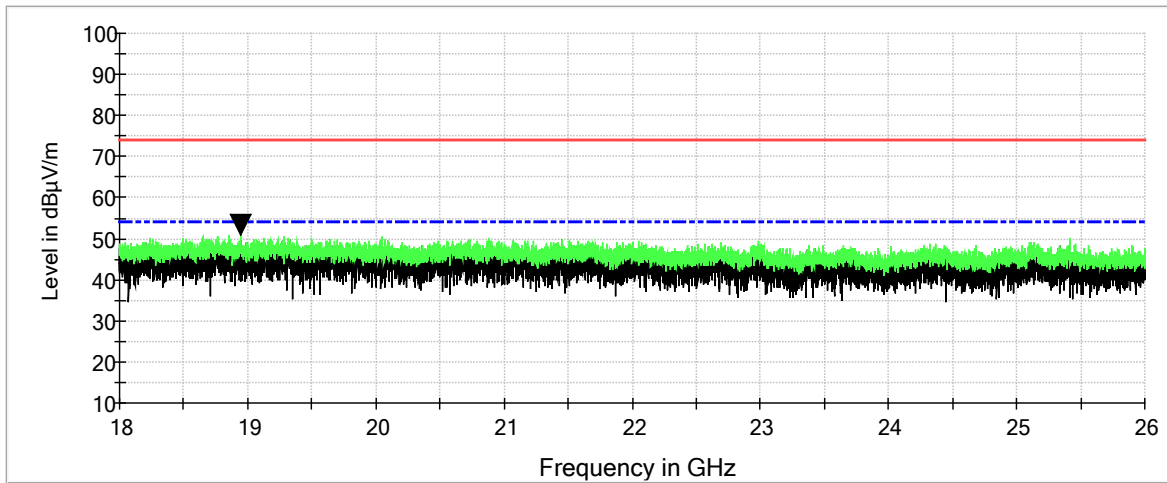
1 GHz to 18 GHz, Horizontal



Note: Emission appearing to exceed the limit in the 2.4 GHz range from the already certified WiFi module in the product and is not under test.



18 GHz to 26 GHz, Vertical

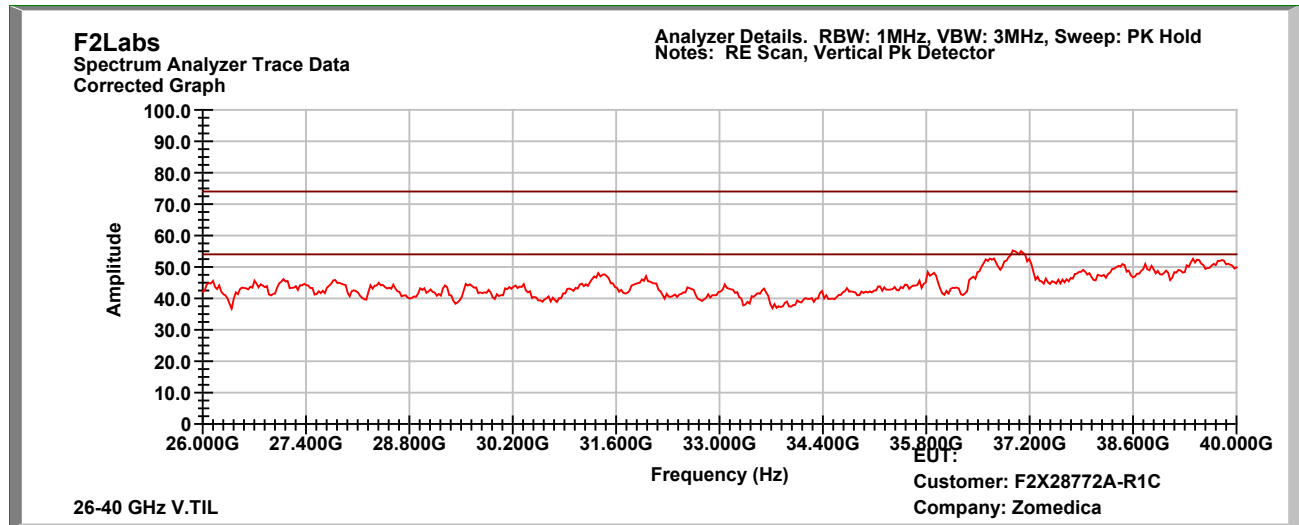


18 GHz to 26 GHz, Horizontal

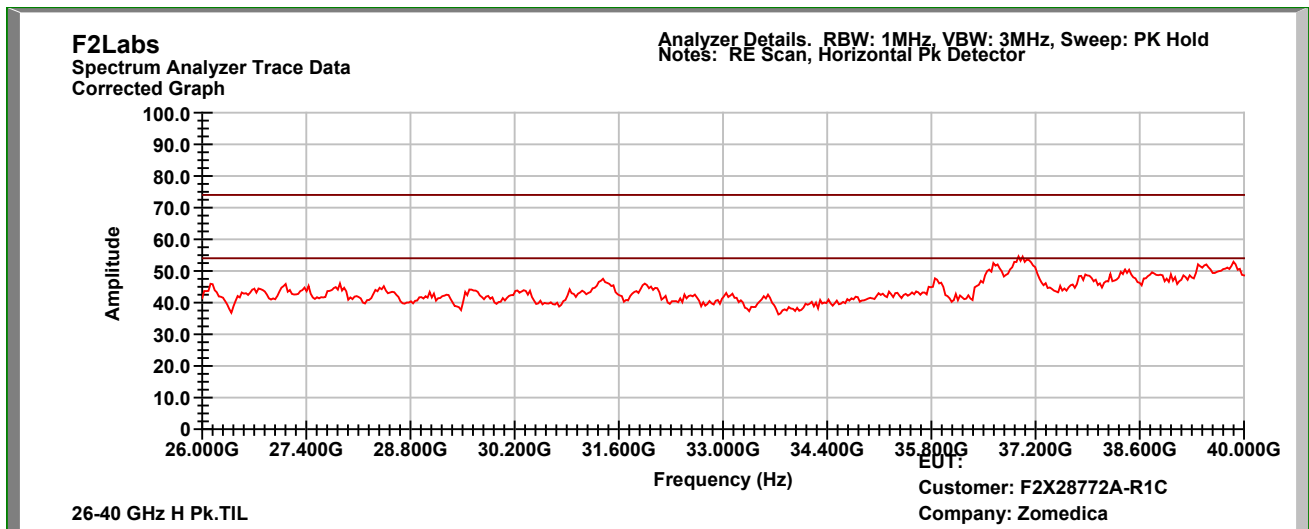




26 GHz to 40 GHz, Vertical, Peak

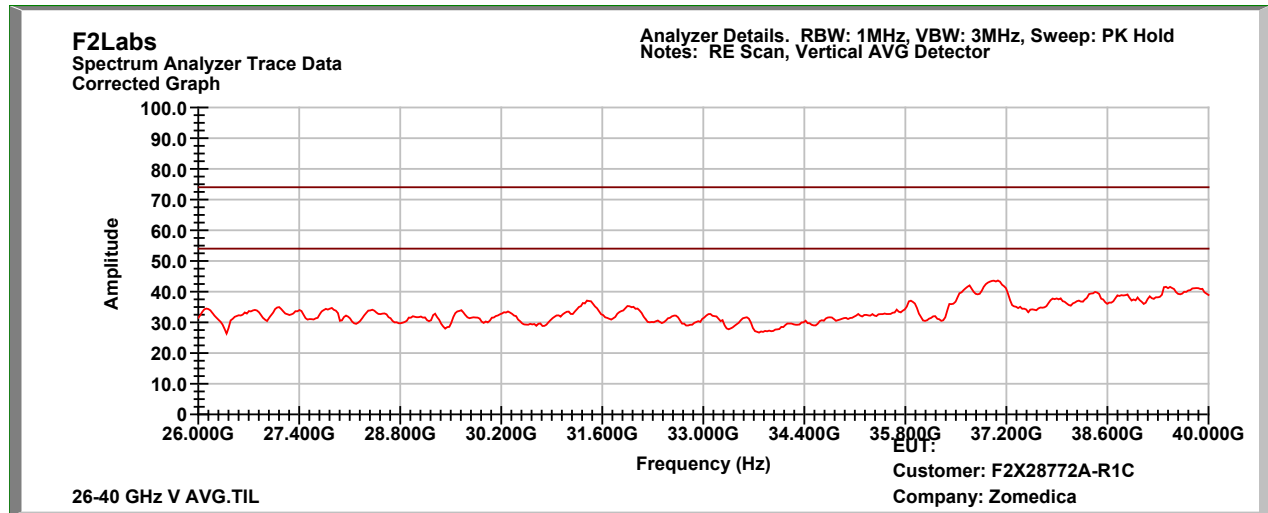


26 GHz to 40 GHz, Horizontal, Peak

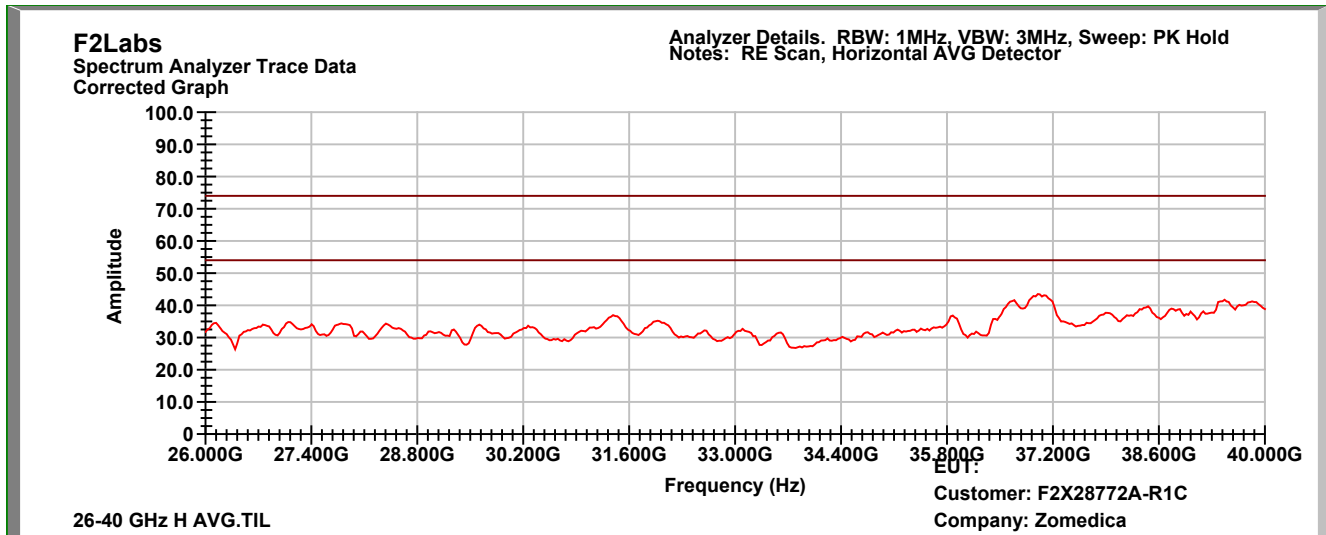




26 GHz to 40 GHz, Vertical, AVG



26 GHz to 40 GHz, Horizontal, AVG





7 VOLTAGE VARIATIONS

For intentional radiators, measurements of the variation of the input power or the radiated signal level of the fundamental frequency component of the emission, as appropriate, shall be performed with the supply voltage varied between 85% and 115% of the nominal rated supply voltage. For battery operated equipment, the equipment tests shall be performed using a new battery. A nominal voltage of 120VAC was used and then 100VAC and 138VAC were used as the 85% and 115% variations.

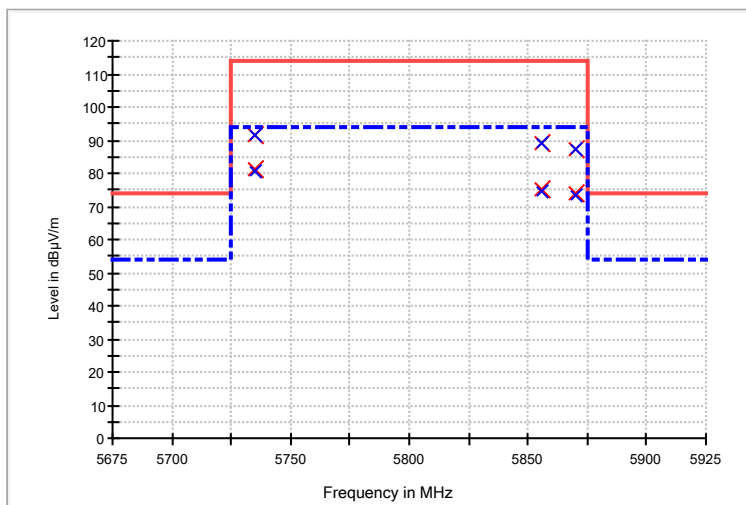
RESULTS: The results showed that the fundamental frequency did not move outside the frequency band and the field strength did not increase above the limit during the variations.



Test Date:	2025-10-30	Test Engineer:	E. Tobin
Rule:	CFR 47 Part 15.31(e)	Air Temperature:	22.4° C
Test Results:	Pass	Relative Humidity:	39%

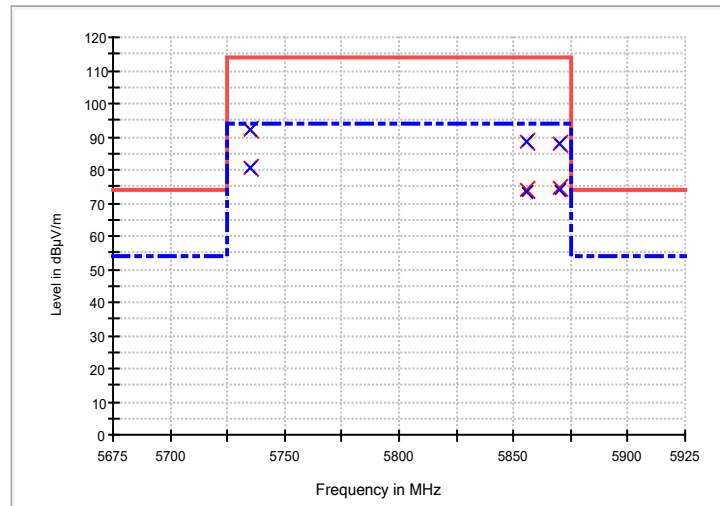
-15%

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol.	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBμV/m)	Comment
5735.000000	91.8	91.6	1000.0	1000.000	190.0	V	285.0	14.4	2.4	94.0	
5735.000000	81.5	80.8	1000.0	1000.000	120.0	H	265.0	14.4	13.2	94.0	
5856.000000	89.1	89.0	1000.0	1000.000	170.0	V	280.0	14.3	5.0	94.0	
5856.000000	75.1	74.3	1000.0	1000.000	150.0	H	325.0	14.3	19.7	94.0	
5870.000000	87.4	87.2	1000.0	1000.000	150.0	V	285.0	14.4	6.8	94.0	
5870.000000	74.2	73.3	1000.0	1000.000	150.0	H	330.0	14.4	20.7	94.0	



**+15%**

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol.	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBμV/m)	Comment
5735.000000	80.9	80.5	1000.0	1000.000	120.0	H	265.0	14.4	13.5	94.0	
5735.000000	92.0	91.9	1000.0	1000.000	190.0	V	285.0	14.4	2.1	94.0	
5856.000000	88.7	88.6	1000.0	1000.000	170.0	V	280.0	14.3	5.4	94.0	
5856.000000	74.0	73.1	1000.0	1000.000	150.0	H	325.0	14.3	20.9	94.0	
5870.000000	74.8	74.0	1000.0	1000.000	150.0	H	330.0	14.4	20.0	94.0	
5870.000000	87.8	87.6	1000.0	1000.000	150.0	V	285.0	14.4	6.4	94.0	





9 CONDUCTED EMISSIONS

9.1 Requirements

In accordance with FCC CFR 47 Part 15.207(a), "Except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 μ H/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

Frequency of Emission (MHz)	Conducted Limit (dB μ V)	
	Quasi-peak	Average
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.

9.2 Procedure

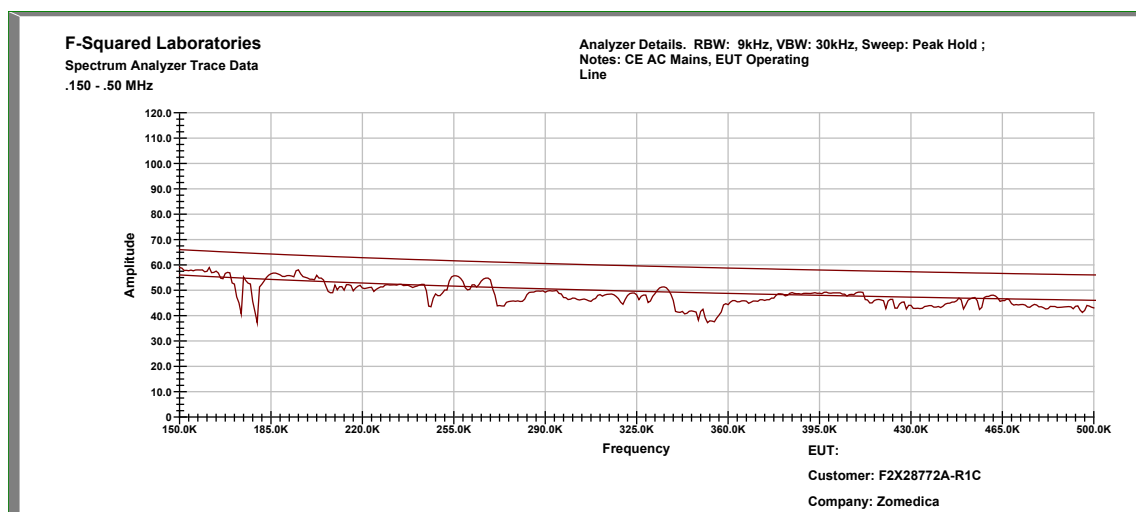
The EUT was placed on a 1.0 x 1.5 meter non-conductive table, 0.8 meter above a horizontal ground plane and 0.4 meter from a vertical ground plane. Power was provided to the EUT through a LISN bonded to a 3 x 2 meter ground plane. The LISN and peripherals were supplied power through a filtered AC power source. The output of the LISN was connected to the input of the receiver via a transient limiter, and emissions in the range 150 kHz to 30 MHz were measured. The measurements were recorded using the quasi-peak and average detectors as directed by the standard, and the resolution bandwidth during testing was 9 kHz. The raw measurements were corrected to allow for attenuation from the LISN, transient limiter and cables.



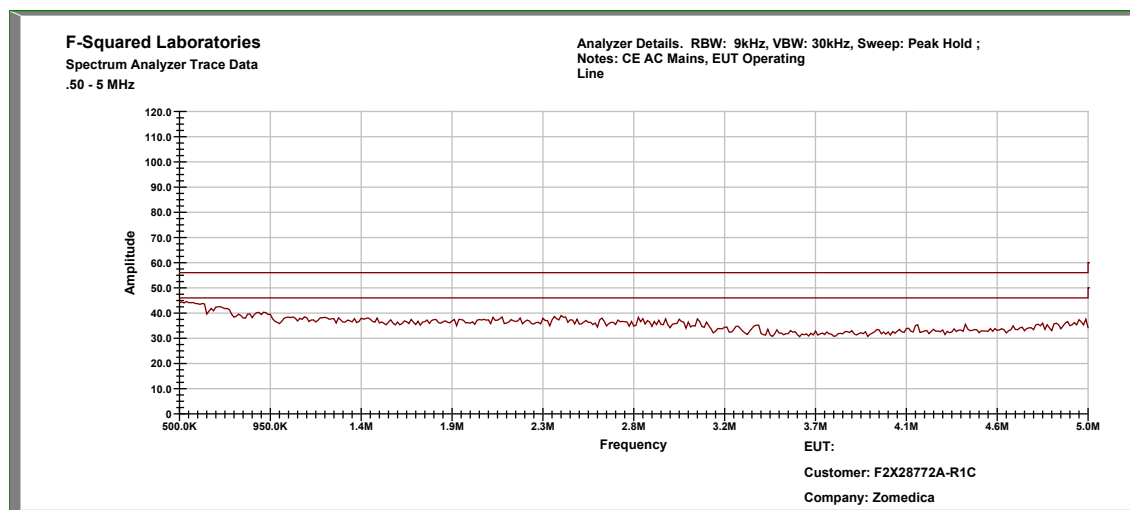
9.3 Conducted Emissions Test Data

Test Date(s):	2025-10-31; 2025-11-18	Test Engineer:	E. Tobin
Rule:	15.207	Air Temperature:	20.6°C; 20.5°C
Test Results:	Complies	Relative Humidity:	42%; 38%

Conducted Test – Live: 0.15 MHz to 0.5 MHz

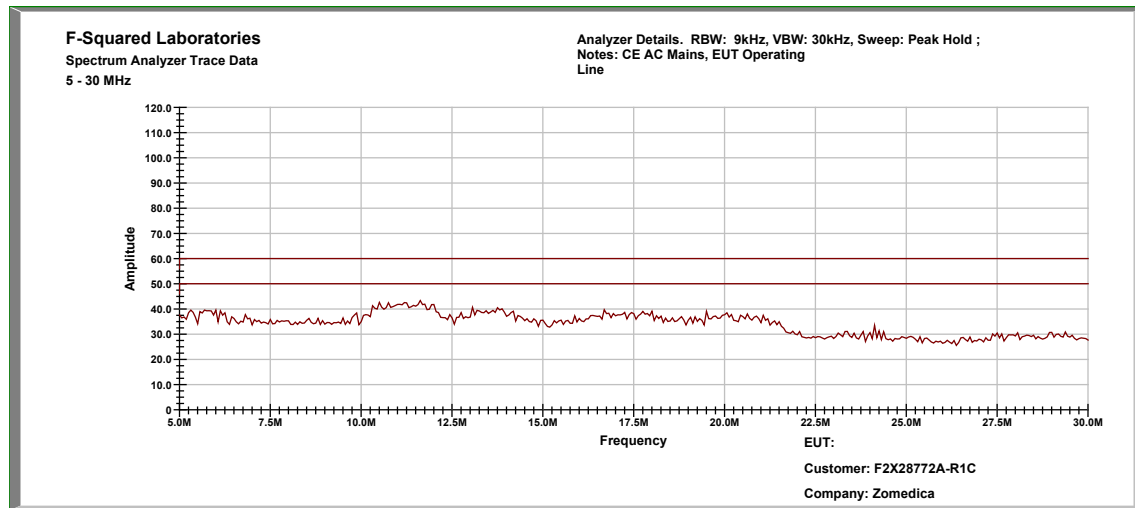


Conducted Test – Live: 0.5 MHz to 5.0 MHz





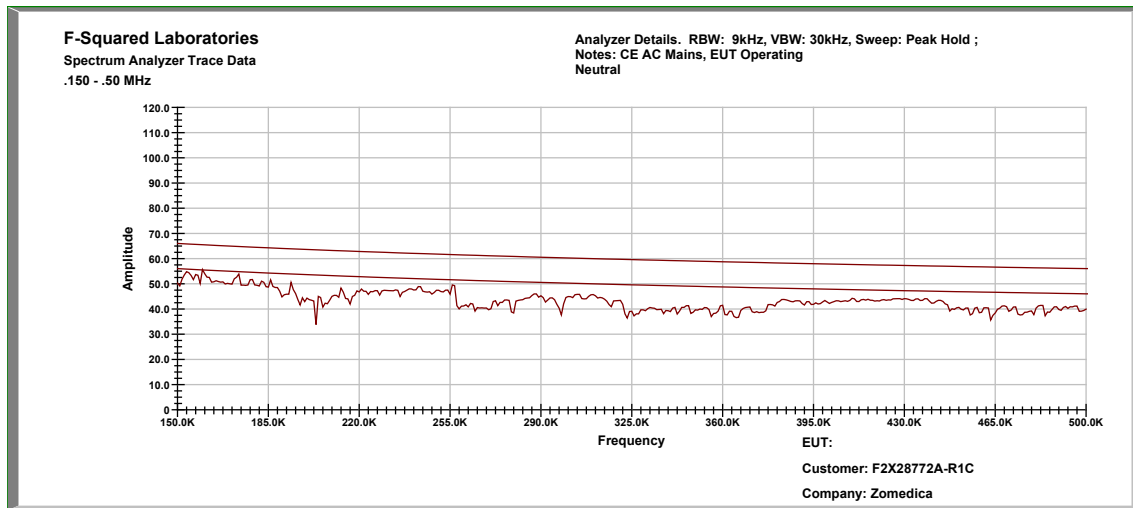
Conducted Test – Live: 5.0 MHz to 30.0 MHz



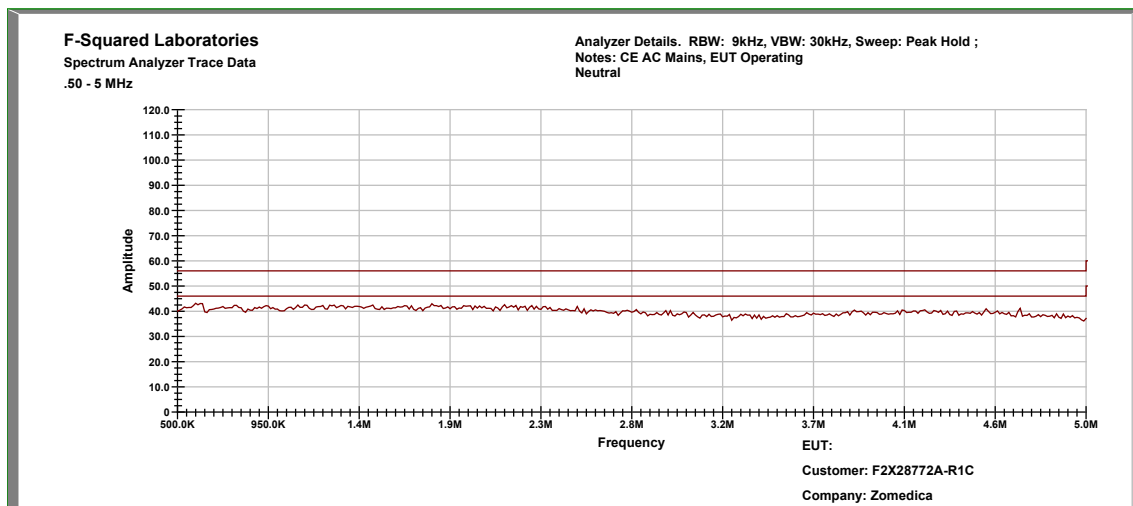
Top Discrete Measurements								
No.	Conductor	Frequency (MHz)	Detector	Level (dBμV)	Adjustment (dB)	Results (dBμV)	Limit (dBμV)	Margin (dB)
1	Live	0.157	Quasi-Peak	45.89	11.816	57.71	65.638	-7.9
			Average	17.63	11.816	29.45	55.638	-26.2
2	Live	0.160	Quasi-Peak	45.90	11.787	57.69	65.479	-7.8
			Average	16.92	11.787	28.71	55.479	-26.8
3	Live	0.162	Quasi-Peak	45.42	11.753	57.17	65.369	-8.2
			Average	16.550	11.753	28.30	55.369	-27.1
4	Live	0.166	Quasi-Peak	44.80	11.679	56.48	65.135	-8.7
			Average	16.71	11.679	28.39	55.135	-26.7
5	Live	0.171	Quasi-Peak	44.77	11.605	56.38	64.908	-8.5
			Average	16.71	11.605	28.32	54.907	-26.6
6	Live	0.195	Quasi-Peak	43.41	11.338	54.75	63.819	-9.1
			Average	19.612	11.338	30.95	53.819	-22.9
7	Live	0.199	Quasi-Peak	42.84	11.301	54.14	63.657	-9.5
			Average	19.993	11.301	31.29	53.657	-22.4
8	Live	0.243	Quasi-Peak	40.37	10.725	51.10	62.000	-10.9
			Average	17.118	10.725	27.84	52.000	-24.2
9	Live	0.249	Quasi-Peak	41.73	10.647	52.38	61.800	-9.4
			Average	20.325	10.647	30.97	51.800	-20.8
10	Live	0.265	Quasi-Peak	38.69	10.654	49.34	61.275	-11.9
			Average	22.745	10.654	33.40	51.275	-17.9
11	Live	0.317	Quasi-Peak	35.63	10.701	46.33	59.777	-13.4
			Average	16.677	10.701	27.38	49.777	-22.4
12	Live	0.373	Quasi-Peak	33.23	10.692	43.92	58.438	-14.5
			Average	11.083	10.692	21.78	48.438	-26.7
13	Live	0.387	Quasi-Peak	33.08	10.696	43.78	58.132	-14.4
			Average	14.267	10.696	24.96	48.132	-23.2
14	Live	0.450	Quasi-Peak	34.23	10.629	44.86	56.866	-12.0
			Average	18.193	10.629	28.82	46.866	-18.0
15	Live	0.479	Quasi-Peak	34.75	10.590	45.34	56.361	-11.0
			Average	14.852	10.590	25.44	46.361	-20.9



Conducted Test – Neutral: 0.15 MHz to 0.5 MHz

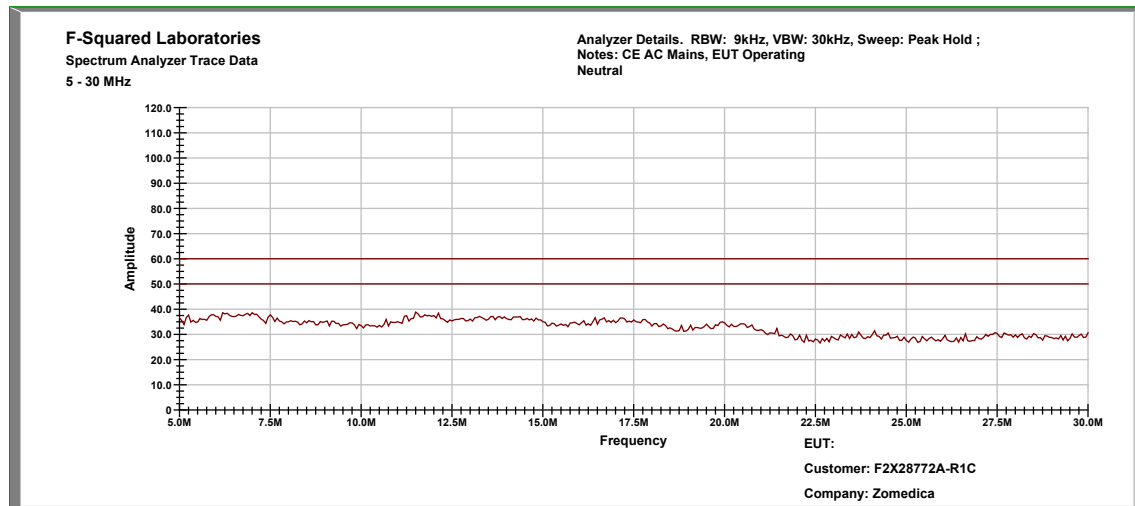


Conducted Test –Neutral: 0.5 MHz to 5.0 MHz





Conducted Test – Neutral: 5.0 MHz to 30.0 MHz



Top Discrete Measurements								
No.	Conductor	Frequency (MHz)	Detector	Level (dBμV)	Adjustment (dB)	Results (dBμV)	Limit (dBμV)	Margin (dB)
1	Neutral	0.15048	Quasi-Peak	50.28	11.875	62.16	65.974	-3.8
			Average	15.23	11.875	27.11	55.974	-28.9
2	Neutral	0.15185	Quasi-Peak	50.28	11.862	62.14	65.899	-3.8
			Average	16.155	11.862	28.02	55.899	-27.9
3	Neutral	0.17381	Quasi-Peak	47.17	11.574	58.74	64.777	-6.0
			Average	16.662	11.574	28.24	54.777	-26.5
4	Neutral	0.18026	Quasi-Peak	47.3	11.499	58.80	64.474	-5.7
			Average	17.635	11.499	29.13	54.474	-25.3
5	Neutral	0.26118	Quasi-Peak	41.21	10.643	51.85	61.394	-9.5
			Average	18.403	10.643	29.05	51.394	-22.3
6	Neutral	0.28584	Quasi-Peak	41.77	10.673	52.44	60.645	-8.2
			Average	11.36	10.673	22.03	50.645	-28.6
7	Neutral	0.42076	Quasi-Peak	32.87	10.647	43.52	57.433	-13.9
			Average	14.903	10.647	25.55	47.433	-21.9
8	Neutral	0.59248	Quasi-Peak	29.79	10.532	40.32	56.0	-15.7
			Average	14.445	10.532	24.98	46.0	-21.0

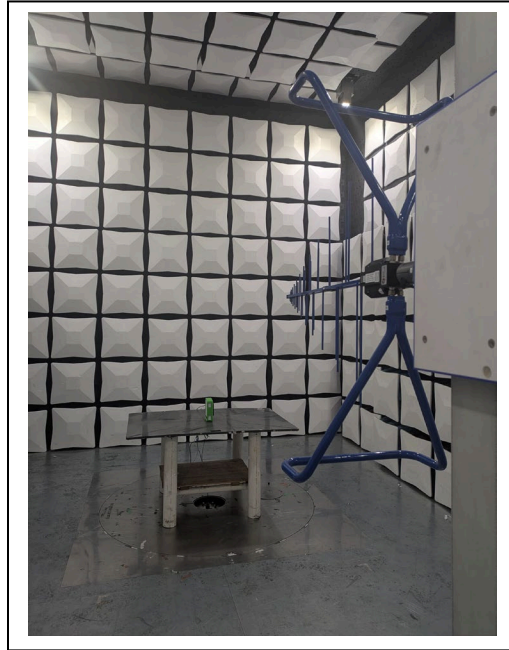


10 PHOTOGRAPHS - TEST SETUPS

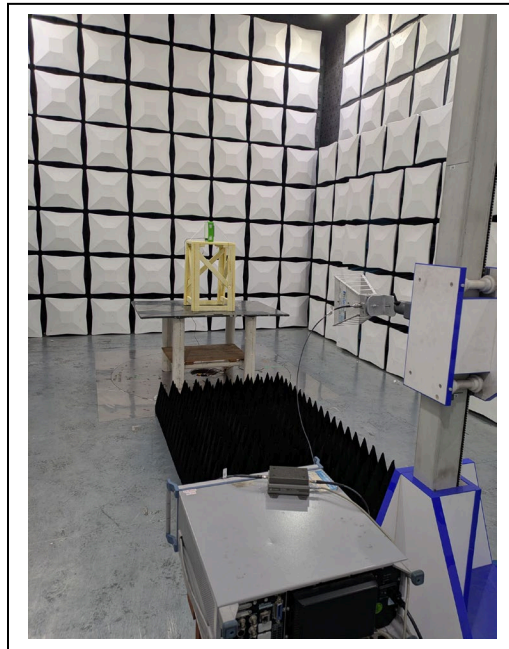
Loop Antenna



Radiated Spurious Emissions: 30 MHz to 1000 MHz

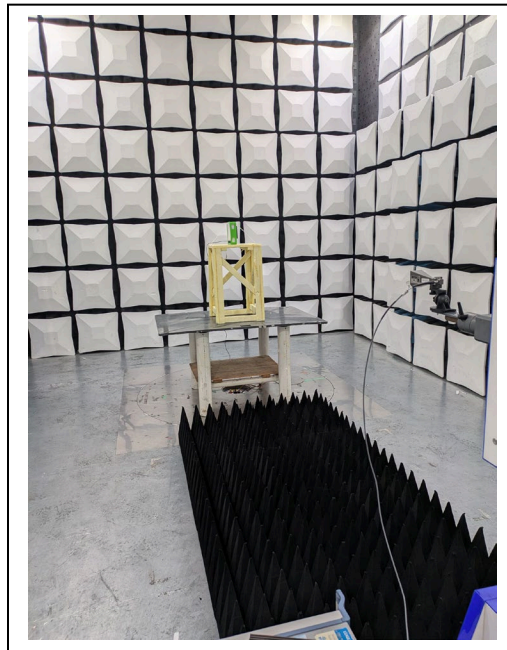


Radiated Spurious Emissions: 1 GHz to 18 GHz

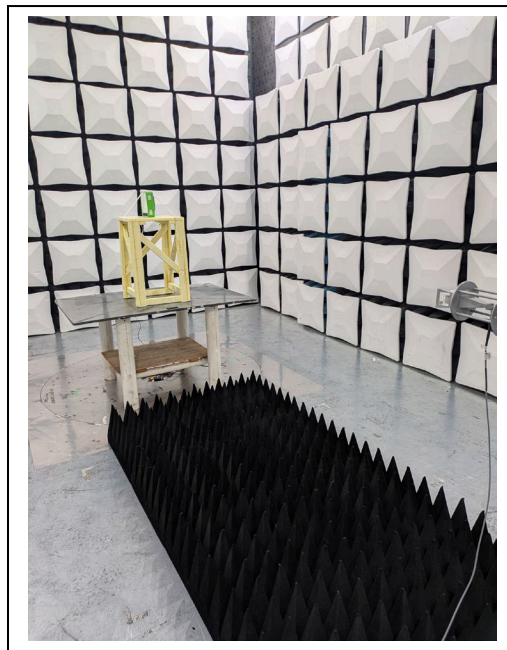




Radiated Spurious Emissions: 18 GHz to 26 GHz

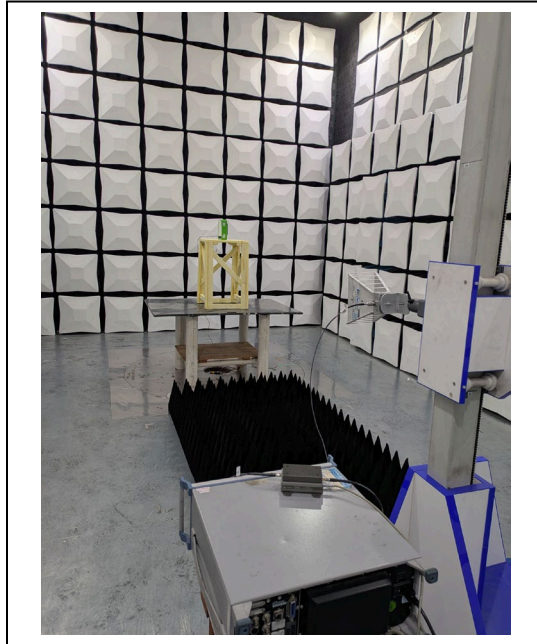


Radiated Spurious Emissions: 26 GHz to 40 GHz



Radiated Spurious Emissions Above 1 GHz

Occupied Bandwidth, Field Strength



Conducted Emissions

