

Life Sensing Instruments Inc.

EMC TEST REPORT FOR

Axis Transmitter

Tested to The Following Standards:

SpecLimit:
FCC Part 95 SUBPART H

Report No.: 111599-7

Date of issue: March 13, 2026



Test Certificate # 803.01

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This test report bears the accreditation symbol indicating that the testing performed herein meets the test and reporting requirements of ISO/IEC 17025 under the applicable scope of testing for CKC Laboratories, Inc.

We strive to create long-term, trust based relationships by providing sound, adaptive, customer first testing services. We embrace each of our customers' unique EMC challenges, not as an interruption to set processes, but rather as the reason we are in business.

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Administrative Information

Test Report Information

REPORT PREPARED FOR:

Life Sensing Instruments, Inc.
2102 Cambridge Beltway Drive, Suite A1
Charlotte, NC 28273

Representatives:

Karen Whipkey - F-Squared Laboratories
Alejandro Melchor - Life Sensing Instruments, Inc.
Customer Reference Number: 7133

REPORT PREPARED BY:

Viviana Prado
CKC Laboratories, Inc.
5046 Sierra Pines Drive
Mariposa, CA 95338

Project Number: 111599

DATE OF EQUIPMENT RECEIPT:

January 19, 2026

DATE(S) OF TESTING:

January 20, 21, 22, and 26, 2026
and February 2, 4, 5, 6, and 11, 2026

Report Authorization

The test data contained in this report documents the observed testing parameters pertaining to and are relevant for only the equipment provided by the client, tested in the agreed upon operational mode(s) and configuration(s) as identified herein. Compliance assessment remains the client's responsibility. This report may not be used to claim product endorsement by A2LA or any government agencies. This test report has been authorized for release under quality control from CKC Laboratories, Inc.

A handwritten signature in black ink that reads "Steve Behm".

Steve Behm
Director of Quality Assurance & Engineering Services
CKC Laboratories, Inc.

Test Facility Information



Our laboratories are configured to effectively test a wide variety of product types. CKC utilizes first class test equipment, anechoic chambers, data acquisition and information services to create accurate, repeatable and affordable test results.

TEST LOCATION(S):
CKC Laboratories, Inc.
110 North Olinda Place
Brea, CA 92823

Software Versions

CKC Laboratories Proprietary Software	Version
EMITest Emissions	5.03.20 and 5.03.24
EMITest Immunity	5.03.10

Site Registration & Accreditation Information

Location	*NIST CB #	FCC	Canada	Japan
Canyon Park, Bothell, WA	US0103	US1024	3082C	A-0136
Brea, CA	US0103	US1024	3082D	A-0136
Fremont, CA	US0103	US1024	3082B	A-0136
Mariposa, CA	US0103	US1024	3082A	A-0136

*CKC's list of NIST designated countries can be found at: <https://standards.gov/cabs/designations.html>

Summary of Results

Standard / Specification: FCC Part 95 Subpart H

Test Procedure	Description	Modifications	Results
95.2369	WMTS field strength limits	NA	Pass
2.1049	Occupied bandwidth	NA	Pass
95.2379(a) 95.2379(b)	WMTS unwanted emissions limits	NA	Pass
95.2365	WMTS frequency accuracy	NA	Pass

NA = Not applicable.

ISO/IEC 17025 Decision Rule

The equipment sample utilized for testing is selected by the manufacturer. The declaration of pass or fail herein is a binary statement for simple acceptance rule (ILAC G8) based upon assessment to the specification(s) listed above, without consideration of measurement uncertainties. For performance related tests, equipment was monitored for specified criteria identified in that section of testing.

Modifications During Testing

This list is a summary of the modifications made to the equipment during testing.

Summary of Conditions

No modifications were made during testing.

Modifications listed above must be incorporated into all production units.

Conditions During Testing

This list is a summary of the conditions noted to the equipment during testing.

Summary of Conditions

None

Equipment Under Test (EUT)

During testing numerous configurations may have been utilized. The configurations listed below support compliance to the standard(s) listed in the Summary of Results section.

Configuration 1

Equipment Tested:

Device	Manufacturer	Model #	S/N
Axis Transmitter	Life Sensing Instruments Inc.	Axis Transmitter	1418

Support Equipment:

Device	Manufacturer	Model #	S/N
Nexus Telemetry Receiver	Life Sensing Instruments, Inc.	Nexus	1208
Laptop Computer	Lenovo	20L5-001GUS	PF-1J0VBD

Configuration 2

Equipment Tested:

Device	Manufacturer	Model #	S/N
Axis Transmitter	Life Sensing Instruments Inc.	Axis Transmitter	1420

Support Equipment:

Device	Manufacturer	Model #	S/N
Nexus Telemetry Receiver	Life Sensing Instruments, Inc.	Nexus	1209
Laptop Computer	Lenovo	20L5-001GUS	PF-1QJWJTJ

General Product Information

Description of EUT	
Axis WMTS Transmitter	
Product Information	Manufacturer-Provided Details
Operating Frequencies Tested:	608.300MHz, 613.700MHz, 1395.300MHz, 1399.650MHz, 1427.300MHz, 1431.800MHz
Equipment Type:	Stand-Alone Equipment
Type of Wideband System:	DTS
Maximum Duty Cycle:	34.87%
Modulation Type(s):	4GFSK
Number of TX Chains:	1
Beamforming Type:	N/A
Antenna Type(s) and Gain:	Dipole Flex Film / NA
Antenna Connection Type:	Integral
Nominal Input Voltage:	(2) AAA Batteries
Firmware / Software Version(s):	Revision 54
Firmware / Software Description:	Axis Firmware
Firmware / Software Setting(s):	N/A
Tune-up or Adjustment(s):	Tune up can be the command that is sent to the Axis using tera term. There are no adjustments.
The validity of results is dependent on the stated product details, the accuracy of which the manufacturer assumes full responsibility.	

EUT and Accessory Photo(s)



Overall View of EUT



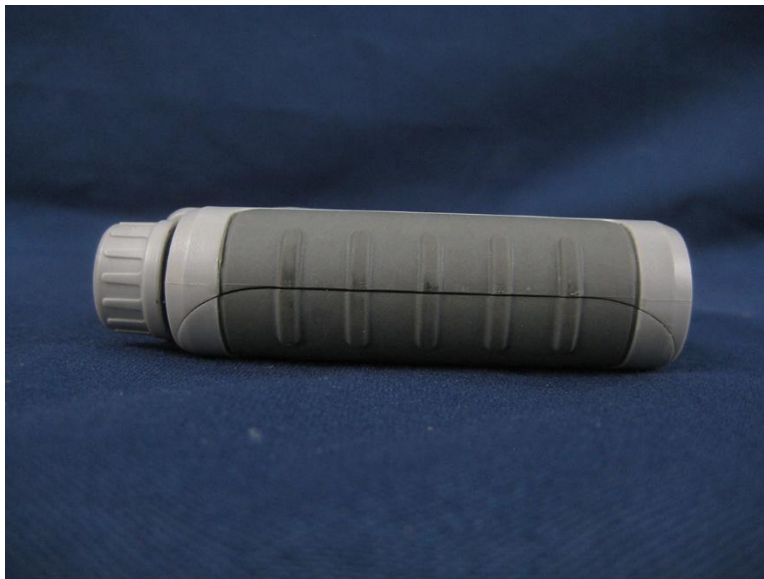
View 1



View 2



View 3



View 4



View 5



View 6

Support Equipment Photo(s)



Antenna



Computer



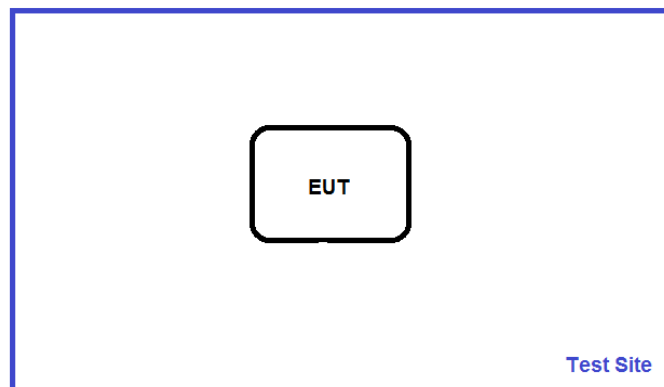
Receiver

Block Diagram(s) of Test Setup

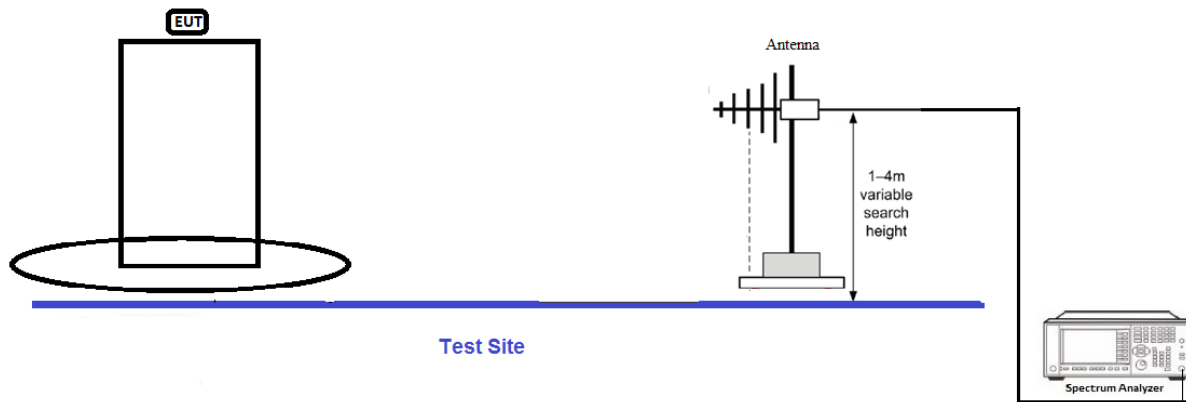
Config#	Setup Description of Block Diagram
Generic Block Diagram EUT	General EUT equipment setup
Generic Block Diagram	General setup for radiated emissions testing on OATS

Generic Block Diagram EUT

Test Setup Block Diagram



Generic Block Diagram



FCC PART 95 SUBPART H

95.2369 WMTS Field Strength Limits

Test Setup/Conditions			
Test Location:	Brea Lab A and D	Test Engineer:	K. Navarro
Test Method:	ANSI C63.26 (2015)	Test Date(s):	1/21/2026, 1/22/2026, 1/26/2026, 2/2/2026
Configuration:	1		
Test Setup:	The equipment under test (EUT) is placed stand alone on the Styrofoam tabletop. The EUT is powered from two internal new AAA batteries. The EUT is set up to transmit on the lowest and highest channels within each of its three transmit bands (608MHz to 614MHz. 1395MHz to 1400MHz. 1427MHz to 1432MHz). The EUT was tested in three orientations, and the worst-case emissions are reported.		

Environmental Conditions			
Temperature (°C)	17	Relative Humidity (%):	43

Test Equipment					
Asset#	Description	Manufacturer	Model	Cal Date	Cal Due
03834	Spectrum Analyzer	AGILENT	E4448A	1/16/2026	1/16/2028
P04382	Cable	andrew	LDF-50	6/4/2024	6/4/2026
P01911	Cable	Pasternack	RG214/U	12/31/2025	12/31/2027
03628	Biconilog Antenna	ETS	3142E	5/16/2024	5/16/2026
P08191	Cable	Andrews	ANDL1-PNMNM-50	11/11/2024	11/11/2026
01646	Horn Antenna	Emco	3115	3/8/2024	3/8/2026

Test Data Summary - Radiated Measurement					
Frequency (MHz)	Modulation	Ant. Type / Gain (dBi)	(mV/m)		Results
			Measured	Limit	
608.300	4GFSK	Dipole Flex Film / NA	63.8	≤200	Pass
613.700	4GFSK	Dipole Flex Film / NA	74.1	≤200	Pass
1395.300	4GFSK	Dipole Flex Film / NA	38.9	≤740	Pass
1399.650	4GFSK	Dipole Flex Film / NA	51.9	≤740	Pass
1427.300	4GFSK	Dipole Flex Film / NA	27.2	≤740	Pass
1431.800	4GFSK	Dipole Flex Film / NA	38.9	≤740	Pass

Test Conditions / Setup

Test Location: CKC Laboratories, Inc. • 110 North Olinda Place • Brea, CA 92823 • (714) 993-6112
 Customer: **Life Sensing Instruments, Inc.**
 Specification: **95.2369 Radiated Emissions Field Strength**
 Work Order #: **111599** Date: 2/2/2026
 Test Type: **Radiated Scan** Time: 13:53:41
 Tested By: Kevin Navarro Sequence#: 1
 Software: EMITest 5.03.20

Equipment Tested:

Device	Manufacturer	Model #	S/N
Configuration 1			

Support Equipment:

Device	Manufacturer	Model #	S/N
Configuration 1			

Test Conditions / Notes:

The equipment under test (EUT) is placed stand alone on the Styrofoam tabletop. The EUT is powered from two new internal AAA batteries (3VDC).

The EUT is set up to transmit on the lowest and highest channels within the 608MHz to 614MHz band.

Low channel 608.300MHz

High channel 613.700MHz

The EUT is tested in three orientations.

Data listed represents worse case readings.

Site D

Test Environment Conditions:

Temperature: 17C

Humidity: 43%

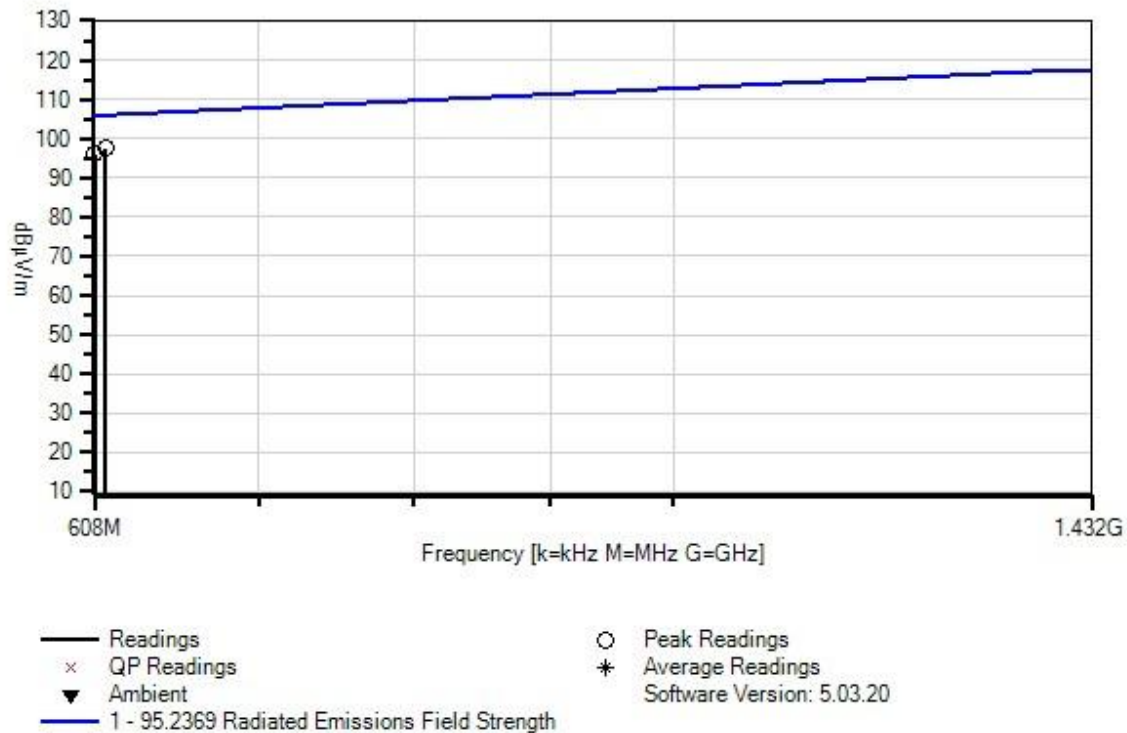
Pressure: 99kPa

Test Method: ANSI C63.26 (2015)

RBW=120kHz

VBW=360kHz

Life Sensing Instruments, Inc. W/O#: 111599 Sequence#: 1 Date: 2/2/2026
95.2369 Radiated Emissions Field Strength Test Distance: 3 Meters Horiz



Test Equipment:

ID	Asset #	Description	Model	Calibration Date	Cal Due Date
	AN03834	Spectrum Analyzer	E4448A	11/3/2025	11/3/2027
T1	ANP04382	Cable	LDF-50	6/4/2024	6/4/2026
T2	ANP01911	Cable-Amplitude +15C to +45C (dB)	RG214/U	12/31/2025	12/31/2027
T3	AN03628	Biconilog Antenna	CBL6111C	5/16/2024	5/16/2026

Measurement Data:

Reading listed by margin.

Test Distance: 3 Meters

#	Freq MHz	Rdng dBμV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBμV/m	Spec dBμV/m	Margin dB	Polar Ant
1	613.700M	65.2	+2.6	+2.5	+27.1		+0.0	97.4	106.0	-8.6	Vert
2	608.300M	64.3	+2.6	+2.5	+26.7		+0.0	96.1	106.0	-9.9	Vert

Test Location: CKC Laboratories, Inc. • 110 North Olinda Place • Brea, CA 92823 • (714) 993-6112
 Customer: **Life Sensing Instruments, Inc.**
 Specification: **95.2369 Radiated Emissions Field Strength**
 Work Order #: **111599** Date: 1/21/2026
 Test Type: **Radiated Scan** Time: 11:26:21
 Tested By: Kevin Navarro Sequence#: 3
 Software: EMITest 5.03.20

Equipment Tested:

Device	Manufacturer	Model #	S/N
Configuration 1			

Support Equipment:

Device	Manufacturer	Model #	S/N
Configuration 1			

Test Conditions / Notes:

The equipment under test (EUT) is placed stand alone on the Styrofoam tabletop. The EUT is powered from two new internal AAA batteries (3VDC).

The EUT is set up to transmit on the lowest and highest channels within the 1395MHz to 1400MHz band.

Low channel 1395.300MHz

High channel 1399.650MHz

The EUT is tested in three orientations.

Data listed represents worse case readings.

Site D

Test Environment Conditions:

Temperature: 21°C

Humidity: 33%

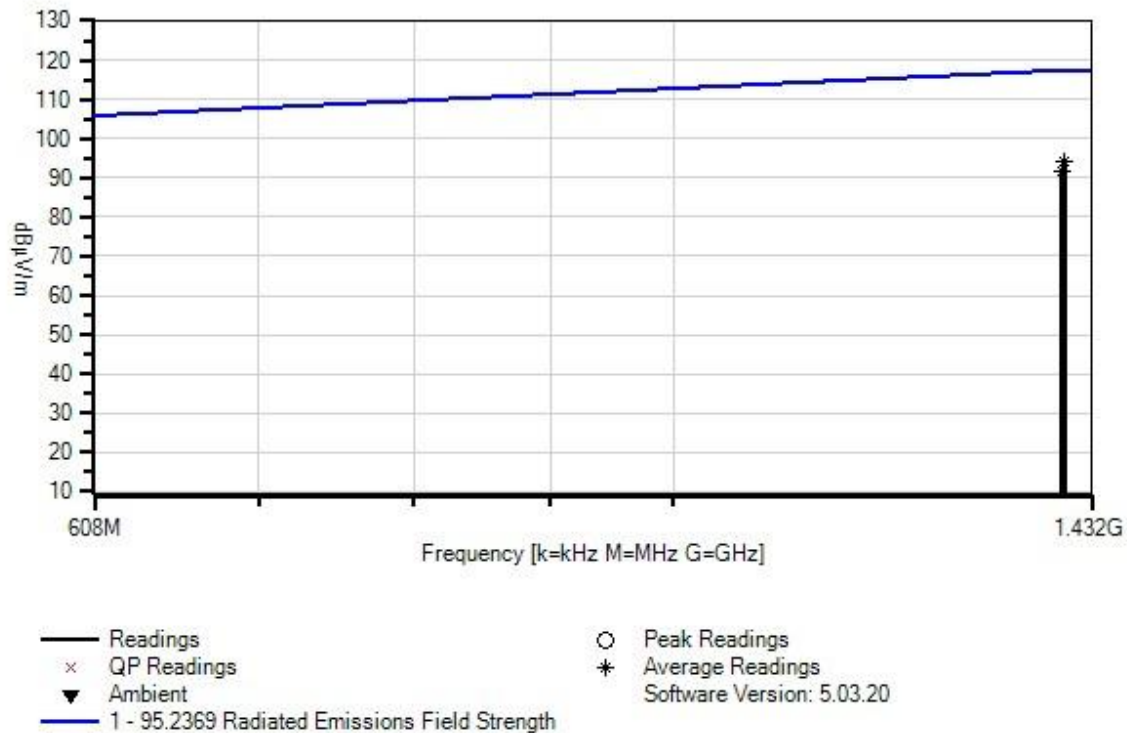
Pressure: 99kPa

Test Method: ANSI C63.26 (2015)

RBW=1MHz

VBW=3MHz

Life Sensing Instruments, Inc. W/O#: 111599 Sequence#: 3 Date: 1/21/2026
95.2369 Radiated Emissions Field Strength Test Distance: 3 Meters Vert



Test Equipment:

ID	Asset #	Description	Model	Calibration Date	Cal Due Date
	AN03834	Spectrum Analyzer	E4448A	11/3/2025	11/3/2027
T1	ANP04382	Cable	LDF-50	6/4/2024	6/4/2026
T2	ANP08191	Cable	ANDL1- PNMNM-50	11/11/2024	11/11/2026
T3	AN01646	Horn Antenna	3115	3/8/2024	3/8/2026

Measurement Data:

Reading listed by margin.

Test Distance: 3 Meters

#	Freq MHz	Rdng dBμV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBμV/m	Spec dBμV/m	Margin dB	Polar Ant
1	1399.650M Ave	62.3	+4.1	+2.5	+25.4		+0.0	94.3	117.4	-23.1	Horiz
									Back EUT touching styrofoam surface		
^	1399.650M	71.7	+4.1	+2.5	+25.4		+0.0	103.7	117.4	-13.7	Horiz
									Back EUT touching styrofoam surface		
3	1395.300M Ave	59.8	+4.1	+2.5	+25.4		+0.0	91.8	117.4	-25.6	Vert
									Bottom EUT touching styrofoam surface		
^	1395.300M	69.0	+4.1	+2.5	+25.4		+0.0	101.0	117.4	-16.4	Vert
									Bottom EUT touching styrofoam surface		

Test Location: CKC Laboratories, Inc. • 110 North Olinda Place • Brea, CA 92823 • (714) 993-6112
 Customer: **Life Sensing Instruments, Inc.**
 Specification: **95.2369 Radiated Emissions Field Strength**
 Work Order #: **111600** Date: 1/22/2026
 Test Type: **Radiated Scan** Time: 15:54:26
 Tested By: Kevin Navarro Sequence#: 3
 Software: EMITest 5.03.20

Equipment Tested:

Device	Manufacturer	Model #	S/N
Configuration 1			

Support Equipment:

Device	Manufacturer	Model #	S/N
Configuration 1			

Test Conditions / Notes:

The equipment under test (EUT) is placed stand alone on the Styrofoam tabletop. The EUT is powered from two new internal AAA batteries (3VDC).

The EUT is set up to transmit on the lowest and highest channels within the 1427MHz to 1432MHz band.
 Low channel 1427.300MHz
 High channel 1431.800MHz

The EUT is tested in three orientations.
 Data listed represents worse case readings.

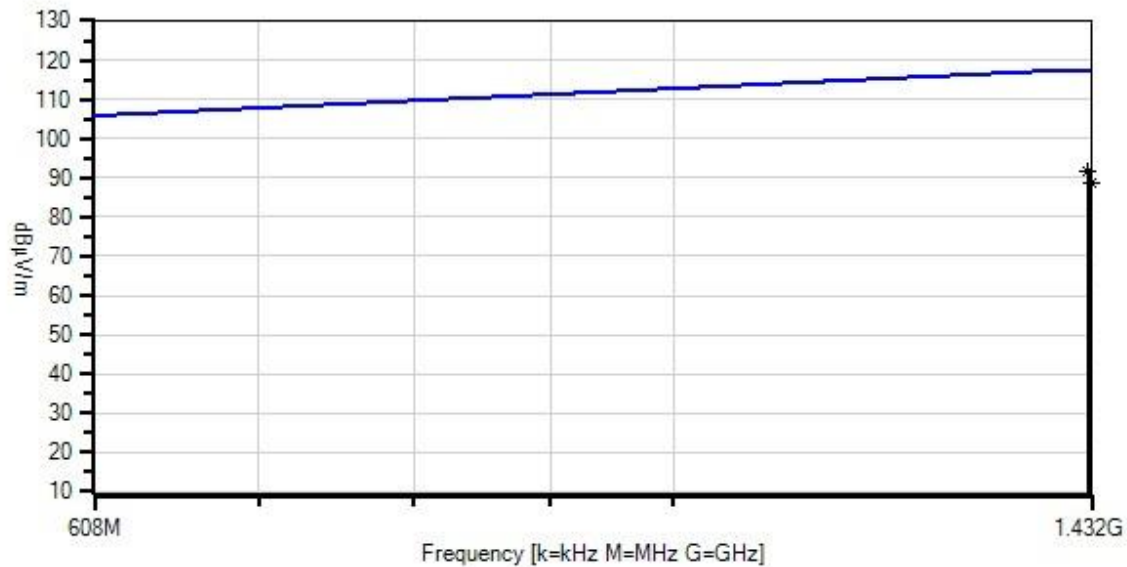
Site D

Test Environment Conditions:
 Temperature: 21°C
 Humidity: 33%
 Pressure: 99kPa

Test Method: ANSI C63.26 (2015)

RBW=1MHz
 VBW=3MHz

Life Sensing Instruments, Inc. WO#: 111600 Sequence#: 3 Date: 1/22/2026
95.2369 Radiated Emissions Field Strength Test Distance: 3 Meters Vert



— Readings
× QP Readings
▼ Ambient
○ Peak Readings
* Average Readings
Software Version: 5.03.20

Test Equipment:

ID	Asset #	Description	Model	Calibration Date	Cal Due Date
	AN03834	Spectrum Analyzer	E4448A	11/3/2025	11/3/2027
T1	ANP04382	Cable	LDF-50	6/4/2024	6/4/2026
T2	ANP08191	Cable	ANDL1- PNMNM-50	11/11/2024	11/11/2026
T3	AN01646	Horn Antenna	3115	3/8/2024	3/8/2026

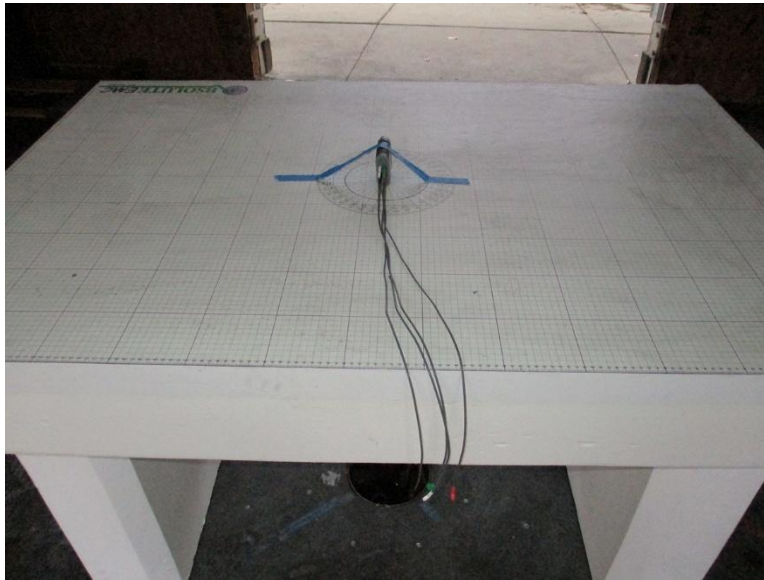
Measurement Data:

Reading listed by margin.

Test Distance: 3 Meters

#	Freq MHz	Rdng dBμV	T1 dB	T2 dB	T3 dB		Dist Table	Corr dBμV/m	Spec dBμV/m	Margin dB	Polar Ant
1	1427.300M	59.7	+4.2	+2.5	+25.4		+0.0	91.8	117.4	-25.6	Vert
	Ave										
^	1427.300M	69.3	+4.2	+2.5	+25.4		+0.0	101.4	117.4	-16.0	Vert
3	1431.800M	56.6	+4.2	+2.5	+25.4		+0.0	88.7	117.4	-28.7	Vert
	Ave										
^	1431.800M	68.8	+4.2	+2.5	+25.4		+0.0	100.9	117.4	-16.5	Vert

Test Setup Photo(s)



Below 1GHz



Above 1GHz

2.1049 20dB Bandwidth

Test Setup/Conditions

Test Location:	Brea Lab D	Test Engineer:	K. Navarro
Test Method:	ANSI C63.26 (2015)	Test Date(s):	1/21/2026, 1/22/2026, 1/26/2026, 2/2/2026
Configuration:	1		
Test Setup:	The equipment under test (EUT) is placed stand alone on the Styrofoam tabletop. The EUT is powered from two internal new AAA batteries. The EUT is set up to transmit on the lowest and highest channels within each of its three transmit bands (608MHz to 614MHz. 1395MHz to 1400MHz. 1427MHz to 1432MHz).		

Environmental Conditions

Temperature (°C)	17	Relative Humidity (%):	43
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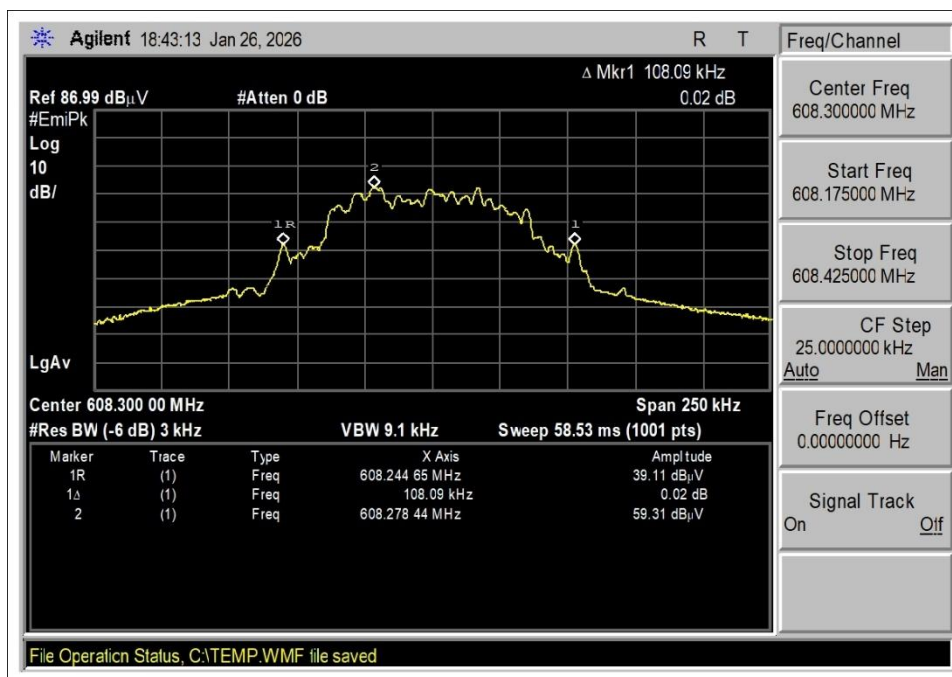
Test Equipment

Asset#	Description	Manufacturer	Model	Cal Date	Cal Due
03834	Spectrum Analyzer	AGILENT	E4448A	1/16/2026	1/16/2028
P04382	Cable	andrew	LDF-50	6/4/2024	6/4/2026
P01911	Cable	Pasternack	RG214/U	12/31/2025	12/31/2027
03628	Biconilog Antenna	ETS	3142E	5/16/2024	5/16/2026
P08191	Cable	Andrews	ANDL1- PNMNM-50	11/11/2024	11/11/2026
01646	Horn Antenna	Emco	3115	3/8/2024	3/8/2026

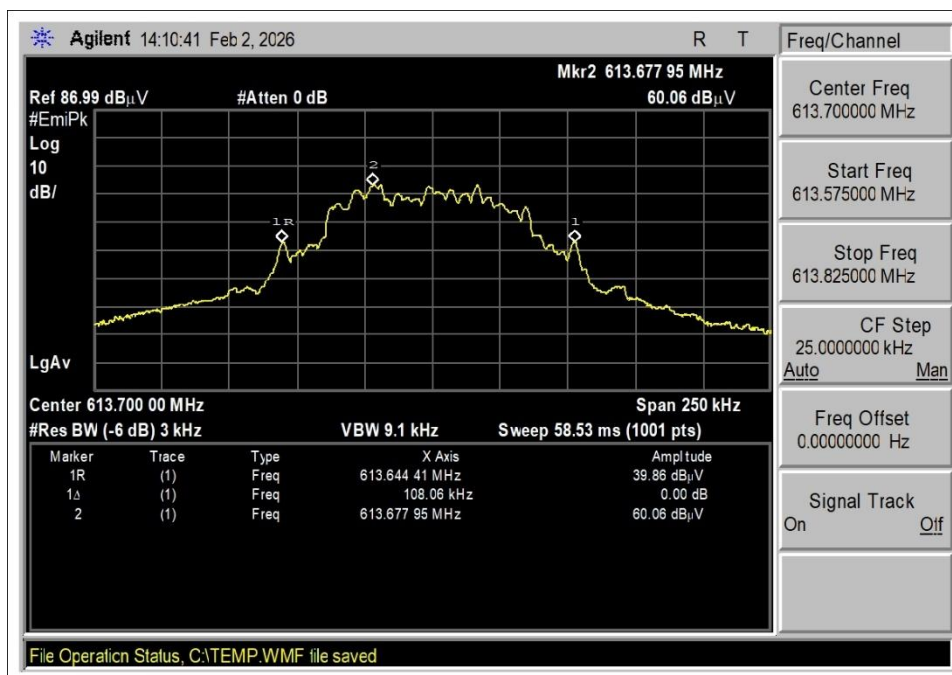
Test Data Summary

Frequency (MHz)	Modulation	Measured (kHz)	Limit (kHz)	Results
608.300	4GFSK	108.09	N/A	Pass
613.700	4GFSK	108.06	N/A	Pass
1395.300	4GFSK	110.33	N/A	Pass
1399.650	4GFSK	110.4	N/A	Pass
1427.300	4GFSK	110.32	N/A	Pass
1431.800	4GFSK	110.32	N/A	Pass

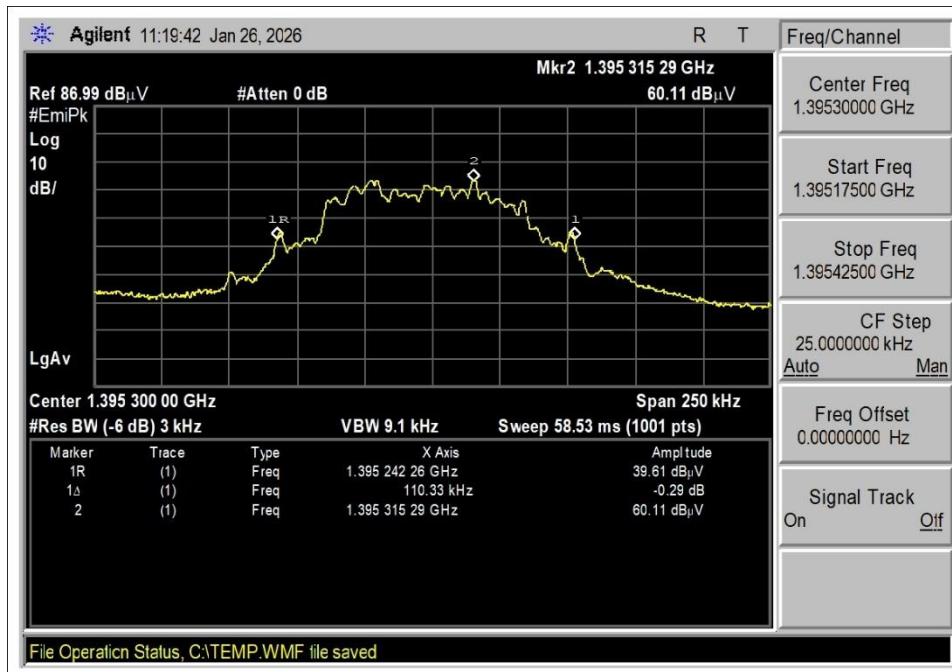
Plot(s)



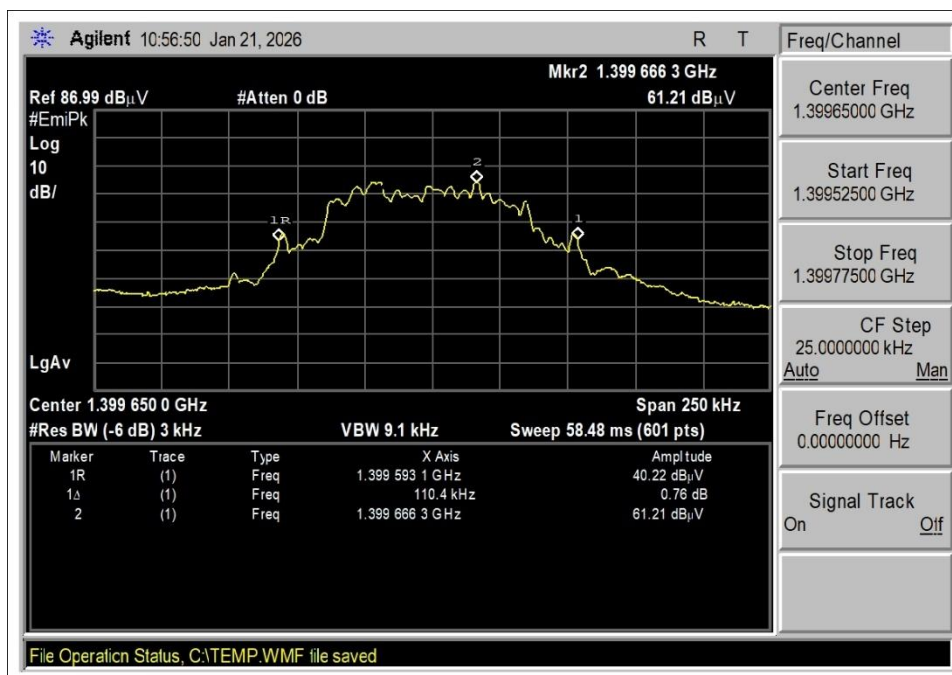
Low Band, Low Channel, 608.30



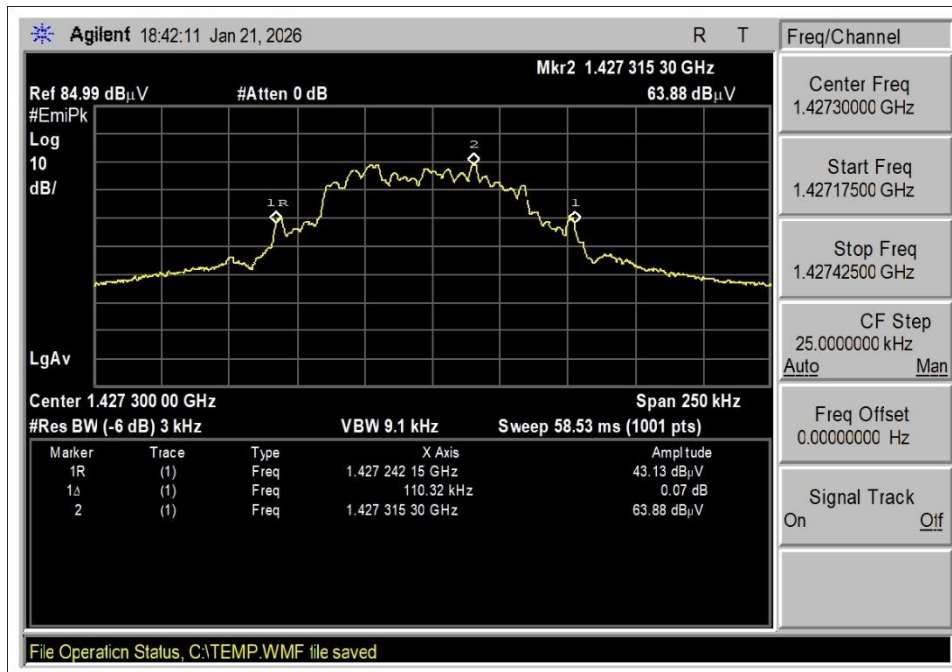
Low Band, High Channel, 613.70



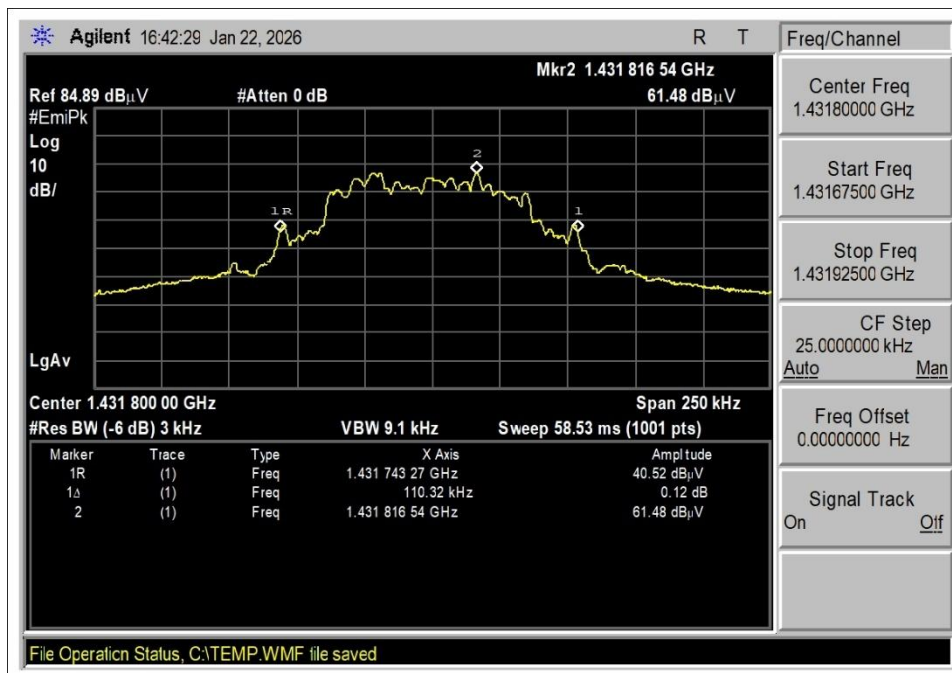
Middle Band, Low Channel, 1395.30



Middle Band, High Channel, 1399.65

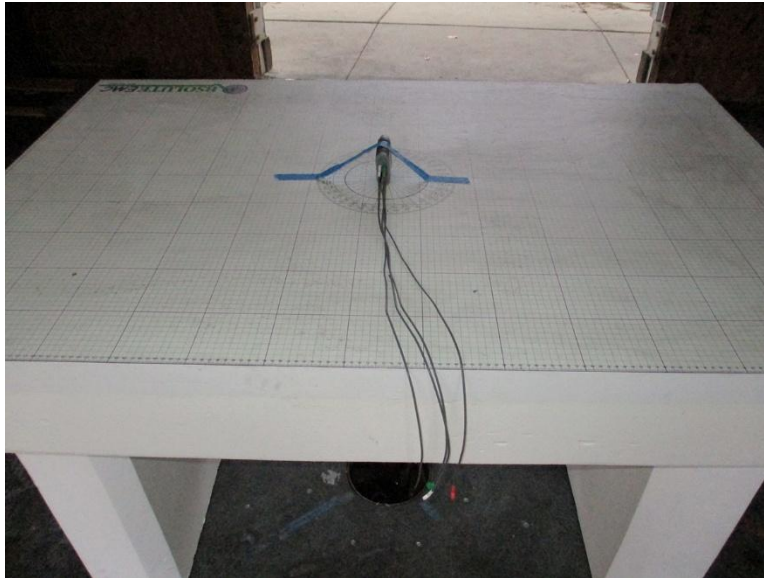


High Band, Low Channel, 1427.30



High Band, High Channel, 1431.80

Test Setup Photo(s)



Below 1GHz



Above 1GHz

95.2379(a)/95.2379(b) WMTS Unwanted Emissions Limits

Test Setup/Conditions			
Test Location:	Brea Lab A	Test Engineer:	K. Navarro
Test Method:	ANSI C63.26 (2015)	Test Date(s):	2/4/2026, 2/5/2026, 2/6/2026, 2/11/2026
Configuration:	1		

Environmental Conditions				Date(s)
Temperature (°C)	19	Relative Humidity (%):	50	2/4
Temperature (°C)	20	Relative Humidity (%):	37	2/5
Temperature (°C)	19	Relative Humidity (%):	40	2/6
Temperature (°C)	21	Relative Humidity (%):	33	2/11

Test Data

Test Location: CKC Laboratories, Inc. • 110 North Olinda Place • Brea, CA 92823 • (714) 993-6112
 Customer: **Life Sensing Instruments, Inc.**
 Specification: **95.2379(a)(b) Radiated Emissions**
 Work Order #: **111600** Date: 2/6/2026
 Test Type: **Radiated Scan** Time: 11:06:57
 Tested By: Kevin Navarro Sequence#: 2
 Software: EMITest 5.03.24

Equipment Tested:

Device	Manufacturer	Model #	S/N
Configuration 1			

Support Equipment:

Device	Manufacturer	Model #	S/N
Configuration 1			

Test Conditions / Notes:

The equipment under test (EUT) is placed stand alone on the Styrofoam tabletop. The EUT is powered from two new internal AAA batteries (3VDC).

This test is performed with the EUT set up and transmitting on the following channels:

high channel high band 1431.800MHz.

low channel high band 1427.300MHz

high channel middle band 1399.650

low channel middle band 1395.300

high channel low band 613.700

low channel low band 608.300

The EUT is tested in three orientations.

Data listed represents worse case readings.

Site D

Test Environment Conditions:

Temperature: 21°C

Humidity: 33%

Pressure: 99kPa

Test Method: ANSI C63.26 (2015)

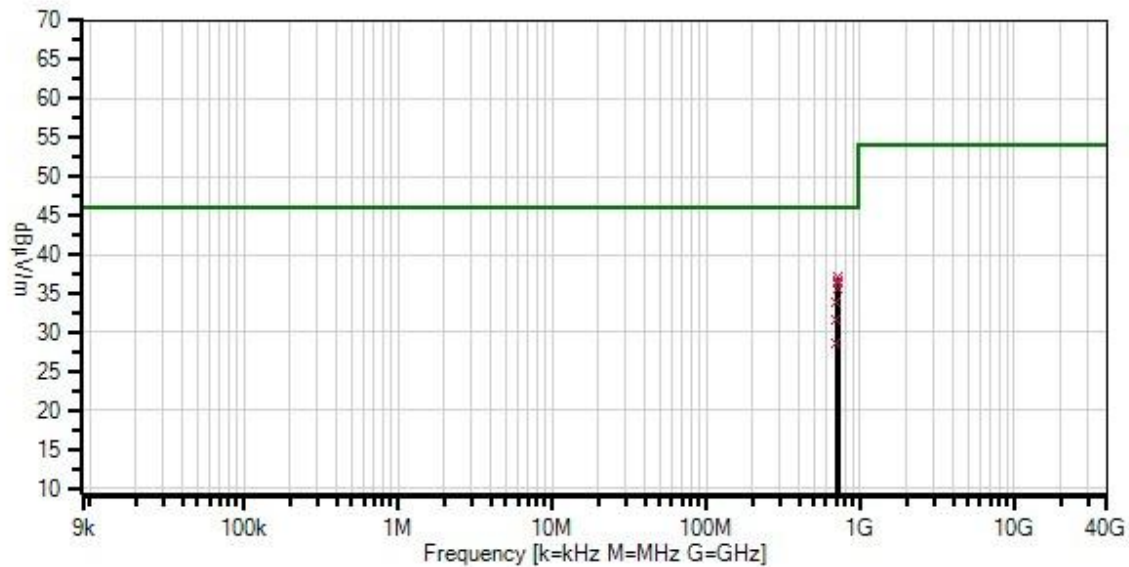
Frequency range of this data sheet is 9kHz to 1000MHz

9 kHz -150 kHz;RBW=200 Hz,VBW=600 Hz;

150 kHz-30 MHz;RBW=9 kHz,VBW=27 kHz;

30 MHz-1000 MHz;RBW=120 kHz,VBW=360 kHz

Life Sensing Instruments, Inc. W/O#: 111600 Sequence#: 2 Date: 2/6/2026
95.2379(a)(b) Radiated Emissions Test Distance: 3 Meters Horiz



— Readings
× QP Readings
▼ Ambient
— 1 - 95.2379(a)(b) Radiated Emissions

○ Peak Readings
* Average Readings
Software Version: 5.03.24

Test Equipment:

ID	Asset #	Description	Model	Calibration Date	Cal Due Date
	AN03834	Spectrum Analyzer	E4448A	11/3/2025	11/3/2027
T1	ANP06985	Cable	Sucoflex 104A	9/12/2024	9/12/2026
T2	ANP04382	Cable	LDF-50	6/4/2024	6/4/2026
T3	AN00309	Preamp	8447D	11/19/2025	11/19/2027
T4	AN03628	Biconilog Antenna	CBL6111C	5/16/2024	5/16/2026
	AN00314	Loop Antenna	6502	5/3/2024	5/3/2026

Measurement Data:

Reading listed by margin.

Test Distance: 3 Meters

#	Freq MHz	Rdng dBμV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBμV/m	Spec dBμV/m	Margin dB	Polar Ant
1	713.650M QP	33.1	+0.3	+2.8	-27.3	+28.2	+0.0	37.1	46.0	-8.9	Vert
^	713.650M	35.0	+0.3	+2.8	-27.3	+28.2	+0.0	39.0	46.0	-7.0	Vert
3	715.900M QP	32.7	+0.3	+2.8	-27.3	+28.2	+0.0	36.7	46.0	-9.3	Vert
^	715.900M	35.3	+0.3	+2.8	-27.3	+28.2	+0.0	39.3	46.0	-6.7	Vert
5	715.900M QP	32.3	+0.3	+2.8	-27.3	+28.2	+0.0	36.3	46.0	-9.7	Horiz
^	715.900M	33.8	+0.3	+2.8	-27.3	+28.2	+0.0	37.8	46.0	-8.2	Horiz
7	713.650M QP	31.7	+0.3	+2.8	-27.3	+28.2	+0.0	35.7	46.0	-10.3	Horiz
^	713.650M	33.5	+0.3	+2.8	-27.3	+28.2	+0.0	37.5	46.0	-8.5	Horiz
9	699.817M QP	29.7	+0.3	+2.8	-27.3	+28.3	+0.0	33.8	46.0	-12.2	Horiz
^	699.817M	32.5	+0.3	+2.8	-27.3	+28.3	+0.0	36.6	46.0	-9.4	Horiz
11	697.650M QP	27.3	+0.3	+2.8	-27.3	+28.6	+0.0	31.7	46.0	-14.3	Vert
^	697.650M	28.6	+0.3	+2.8	-27.3	+28.6	+0.0	33.0	46.0	-13.0	Vert
13	697.650M QP	24.2	+0.3	+2.8	-27.3	+28.6	+0.0	28.6	46.0	-17.4	Horiz
^	697.650M	25.1	+0.3	+2.8	-27.3	+28.6	+0.0	29.5	46.0	-16.5	Horiz
15	699.817M QP	24.4	+0.3	+2.8	-27.3	+28.3	+0.0	28.5	46.0	-17.5	Vert
^	699.817M	29.2	+0.3	+2.8	-27.3	+28.3	+0.0	33.3	46.0	-12.7	Vert

Test Location: CKC Laboratories, Inc. • 110 North Olinda Place • Brea, CA 92823 • (714) 993-6112
 Customer: **Life Sensing Instruments, Inc.**
 Specification: **95.2379(a)(b) Radiated Emissions**
 Work Order #: **111600** Date: 2/5/2026
 Test Type: **Radiated Scan** Time: 15:57:43
 Tested By: Kevin Navarro Sequence#: 1
 Software: EMITest 5.03.24

Equipment Tested:

Device	Manufacturer	Model #	S/N
Configuration 1			

Support Equipment:

Device	Manufacturer	Model #	S/N
Configuration 1			

Test Conditions / Notes:

The equipment under test (EUT) is placed stand alone on the Styrofoam tabletop. The EUT is powered from two new internal AAA batteries (3VDC).

This test is performed with the EUT set up and transmitting on the following channels:
 high channel high band 1431.800MHz.
 low channel high band 1427.300MHz
 high channel middle band 1399.650
 low channel middle band 1395.300
 high channel low band 613.700
 low channel low band 608.300

The EUT is tested in three orientations.
 Data listed represents worse case readings.

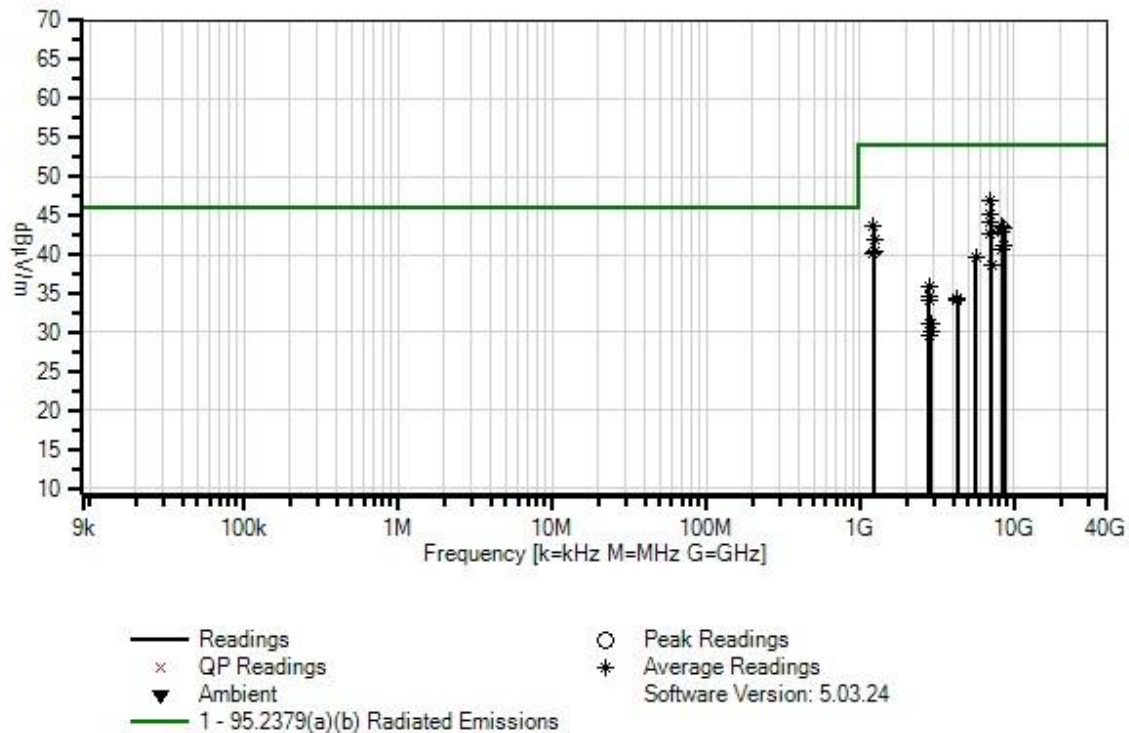
Site D

Test Environment Conditions:
 Temperature: 21°C
 Humidity: 33%
 Pressure: 99kPa

Test Method: ANSI C63.26 (2015)

Frequency range of this data sheet is 1000MHz to 14500MHz
 RBW=1MHz
 VBW=3MHz

Life Sensing Instruments, Inc. W/O#: 111600 Sequence#: 1 Date: 2/5/2026
95.2379(a)(b) Radiated Emissions Test Distance: 3 Meters Horiz



Test Equipment:

ID	Asset #	Description	Model	Calibration Date	Cal Due Date
	AN03834	Spectrum Analyzer	E4448A	11/3/2025	11/3/2027
T1	ANP04382	Cable	LDF-50	6/4/2024	6/4/2026
T2	ANP08191	Cable	ANDL1- PNMNM-50	11/11/2024	11/11/2026
T3	AN01646	Horn Antenna	3115	3/8/2024	3/8/2026
T4	AN00787	Preamp	83017A	6/16/2025	6/16/2027
T5	AN03385	High Pass Filter	11SH10- 3000/T10000- O/O	5/9/2025	5/9/2027
T6	AN02749	High Pass Filter	9SH10- 1000/T10000- O/O	5/12/2025	5/12/2027

Measurement Data:

Reading listed by margin.

Test Distance: 3 Meters

#	Freq MHz	Rdng dBμV	T1 T5 dB	T2 T6 dB	T3 dB	T4 dB	Dist Table	Corr dBμV/m	Spec dBμV/m	Margin dB	Polar Ant
1	6998.250M	33.7	+10.9	+6.0	+35.3	-39.2	+0.0	46.9	54.0	-7.1	Horiz
	Ave		+0.2	+0.0							
^	6998.250M	40.7	+10.9	+6.0	+35.3	-39.2	+0.0	53.9	54.0	-0.1	Horiz
			+0.2	+0.0							
3	6998.250M	31.9	+10.9	+6.0	+35.3	-39.2	+0.0	45.1	54.0	-8.9	Vert
	Ave		+0.2	+0.0							
^	6998.250M	39.1	+10.9	+6.0	+35.3	-39.2	+0.0	52.3	54.0	-1.7	Vert
			+0.2	+0.0							
5	6976.525M	31.0	+10.9	+6.0	+35.3	-39.2	+0.0	44.2	54.0	-9.8	Vert
	Ave		+0.2	+0.0							
^	6976.525M	38.3	+10.9	+6.0	+35.3	-39.2	+0.0	51.5	54.0	-2.5	Vert
			+0.2	+0.0							
7	1216.600M	52.0	+3.8	+2.4	+25.1	-40.3	+0.0	43.7	54.0	-10.3	Vert
	Ave		+0.0	+0.7							
^	1216.600M	58.1	+3.8	+2.4	+25.1	-40.3	+0.0	49.8	54.0	-4.2	Vert
			+0.0	+0.7							
9	8397.900M	26.2	+11.8	+6.5	+37.7	-38.9	+0.0	43.7	54.0	-10.3	Horiz
	Ave		+0.4	+0.0							
^	8397.900M	36.0	+11.8	+6.5	+37.7	-38.9	+0.0	53.5	54.0	-0.5	Horiz
			+0.4	+0.0							
11	8590.800M	25.2	+11.9	+6.5	+38.2	-38.8	+0.0	43.3	54.0	-10.7	Vert
	Ave		+0.3	+0.0							
^	8590.800M	34.9	+11.9	+6.5	+38.2	-38.8	+0.0	53.0	54.0	-1.0	Vert
			+0.3	+0.0							
13	8371.790M	25.7	+11.7	+6.4	+37.6	-38.9	+0.0	42.9	54.0	-11.1	Vert
	Ave		+0.4	+0.0							
^	8371.790M	36.8	+11.7	+6.4	+37.6	-38.9	+0.0	54.0	54.0	+0.0	Vert
			+0.4	+0.0							
15	6976.500M	29.4	+10.9	+6.0	+35.3	-39.2	+0.0	42.6	54.0	-11.4	Horiz
	Ave		+0.2	+0.0							
^	6976.500M	37.4	+10.9	+6.0	+35.3	-39.2	+0.0	50.6	54.0	-3.4	Horiz
			+0.2	+0.0							
17	1227.425M	50.4	+3.8	+2.4	+25.1	-40.3	+0.0	42.0	54.0	-12.0	Vert
	Ave		+0.0	+0.6							
^	1227.425M	56.2	+3.8	+2.4	+25.1	-40.3	+0.0	47.8	54.0	-6.2	Vert
			+0.0	+0.6							
19	8590.798M	23.1	+11.9	+6.5	+38.2	-38.8	+0.0	41.2	54.0	-12.8	Horiz
	Ave		+0.3	+0.0							
^	8590.798M	33.3	+11.9	+6.5	+38.2	-38.8	+0.0	51.4	54.0	-2.6	Horiz
			+0.3	+0.0							
21	8397.900M	23.2	+11.8	+6.5	+37.7	-38.9	+0.0	40.7	54.0	-13.3	Vert
	Ave		+0.4	+0.0							
^	8397.900M	33.4	+11.8	+6.5	+37.7	-38.9	+0.0	50.9	54.0	-3.1	Vert
			+0.4	+0.0							

23	1227.425M Ave	48.8	+3.8 +0.0	+2.4 +0.6	+25.1	-40.3	+0.0	40.4	54.0	-13.6	Horiz
^	1227.425M	55.8	+3.8 +0.0	+2.4 +0.6	+25.1	-40.3	+0.0	47.4	54.0	-6.6	Horiz
25	1216.600M Ave	48.4	+3.8 +0.0	+2.4 +0.7	+25.1	-40.3	+0.0	40.1	54.0	-13.9	Horiz
^	1216.600M	54.9	+3.8 +0.0	+2.4 +0.7	+25.1	-40.3	+0.0	46.6	54.0	-7.4	Horiz
27	5598.600M Ave	30.4	+9.0 +0.3	+5.1 +0.0	+34.0	-39.1	+0.0	39.7	54.0	-14.3	Vert
^	5598.600M	38.1	+9.0 +0.3	+5.1 +0.0	+34.0	-39.1	+0.0	47.4	54.0	-6.6	Vert
29	7158.998M Ave	24.7	+11.1 +0.2	+6.0 +0.0	+35.8	-39.1	+0.0	38.7	54.0	-15.3	Horiz
^	7159.000M	33.3	+11.1 +0.2	+6.0 +0.0	+35.8	-39.1	+0.0	47.3	54.0	-6.7	Horiz
31	2790.600M Ave	31.2	+5.9 +5.5	+3.7 +0.0	+28.9	-39.4	+0.0	35.8	54.0	-18.2	Vert
^	2790.600M	42.4	+5.9 +5.5	+3.7 +0.0	+28.9	-39.4	+0.0	47.0	54.0	-7.0	Vert
33	2790.650M Ave	30.0	+5.9 +5.5	+3.7 +0.0	+28.9	-39.4	+0.0	34.6	54.0	-19.4	Horiz
^	2790.650M	41.5	+5.9 +5.5	+3.7 +0.0	+28.9	-39.4	+0.0	46.1	54.0	-7.9	Horiz
35	4258.125M Ave	28.8	+8.0 +0.3	+4.6 +0.0	+32.1	-39.4	+0.0	34.4	54.0	-19.6	Horiz
^	4258.125M	37.5	+8.0 +0.3	+4.6 +0.0	+32.1	-39.4	+0.0	43.1	54.0	-10.9	Horiz
37	2799.300M Ave	30.2	+5.9 +4.8	+3.7 +0.0	+29.0	-39.4	+0.0	34.2	54.0	-19.8	Vert
^	2799.300M	40.1	+5.9 +4.8	+3.7 +0.0	+29.0	-39.4	+0.0	44.1	54.0	-9.9	Vert
39	4295.925M Ave	28.5	+8.1 +0.3	+4.6 +0.0	+32.1	-39.4	+0.0	34.2	54.0	-19.8	Horiz
^	4295.925M	37.1	+8.1 +0.3	+4.6 +0.0	+32.1	-39.4	+0.0	42.8	54.0	-11.2	Horiz
41	2799.300M Ave	30.1	+5.9 +4.8	+3.7 +0.0	+29.0	-39.4	+0.0	34.1	54.0	-19.9	Horiz
^	2799.300M	38.5	+5.9 +4.8	+3.7 +0.0	+29.0	-39.4	+0.0	42.5	54.0	-11.5	Horiz
43	2863.600M Ave	29.7	+6.0 +1.8	+3.8 +0.0	+29.2	-39.4	+0.0	31.1	54.0	-22.9	Vert
^	2863.600M	39.4	+6.0 +1.8	+3.8 +0.0	+29.2	-39.4	+0.0	40.8	54.0	-13.2	Vert
45	2854.600M Ave	29.4	+6.0 +2.0	+3.8 +0.0	+29.2	-39.4	+0.0	31.0	54.0	-23.0	Horiz
^	2854.600M	39.7	+6.0 +2.0	+3.8 +0.0	+29.2	-39.4	+0.0	41.3	54.0	-12.7	Horiz
47	2863.600M Ave	28.6	+6.0 +1.8	+3.8 +0.0	+29.2	-39.4	+0.0	30.0	54.0	-24.0	Horiz
^	2863.600M	39.8	+6.0 +1.8	+3.8 +0.0	+29.2	-39.4	+0.0	41.2	54.0	-12.8	Horiz

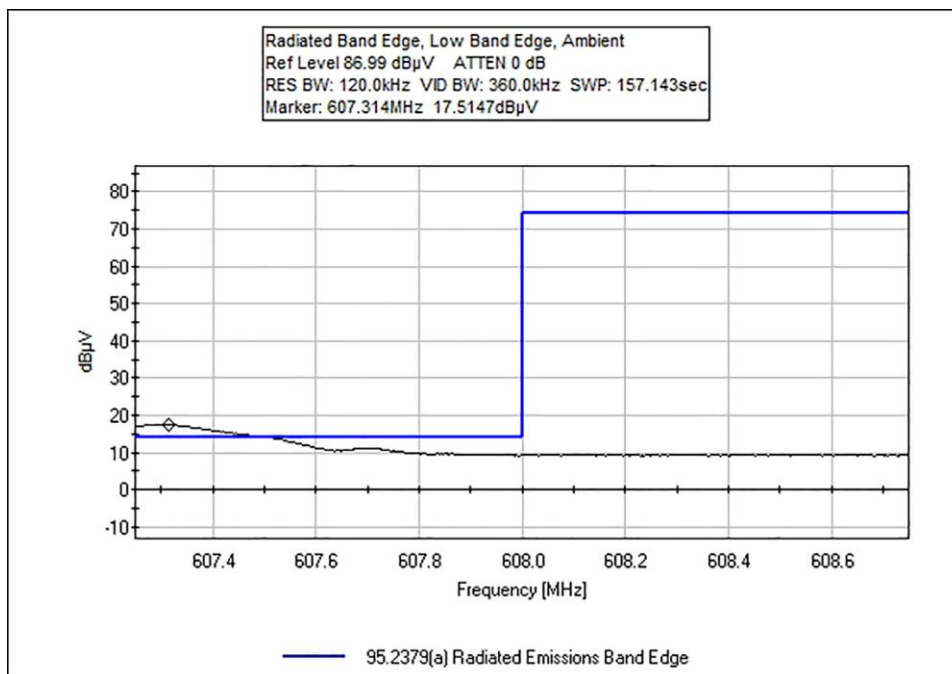
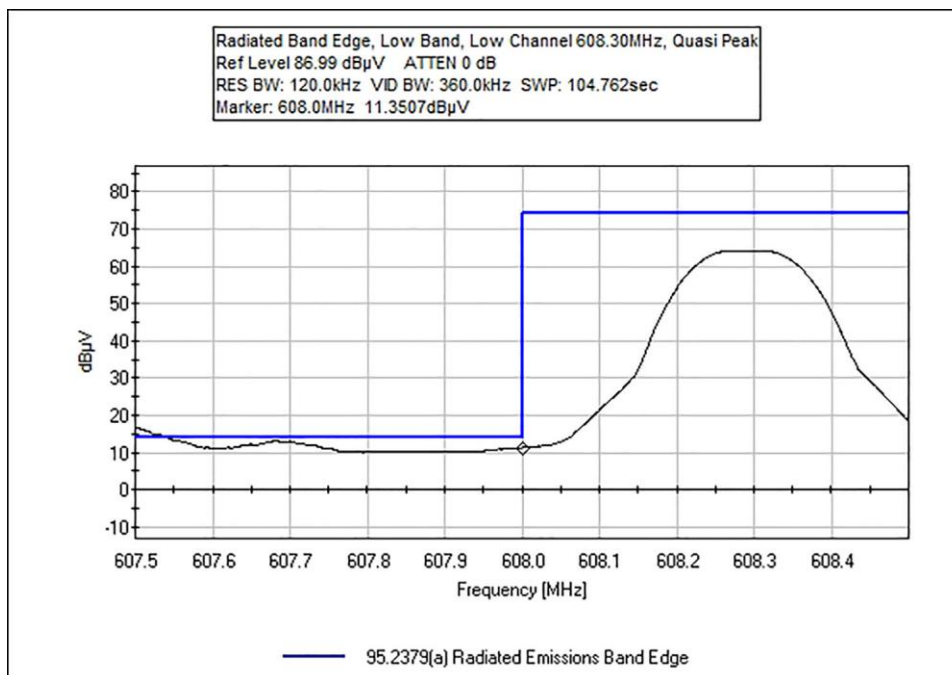
49	2854.600M	28.1	+6.0	+3.8	+29.2	-39.4	+0.0	29.7	54.0	-24.3	Vert
	Ave		+2.0	+0.0							
^	2854.600M	39.0	+6.0	+3.8	+29.2	-39.4	+0.0	40.6	54.0	-13.4	Vert
			+2.0	+0.0							

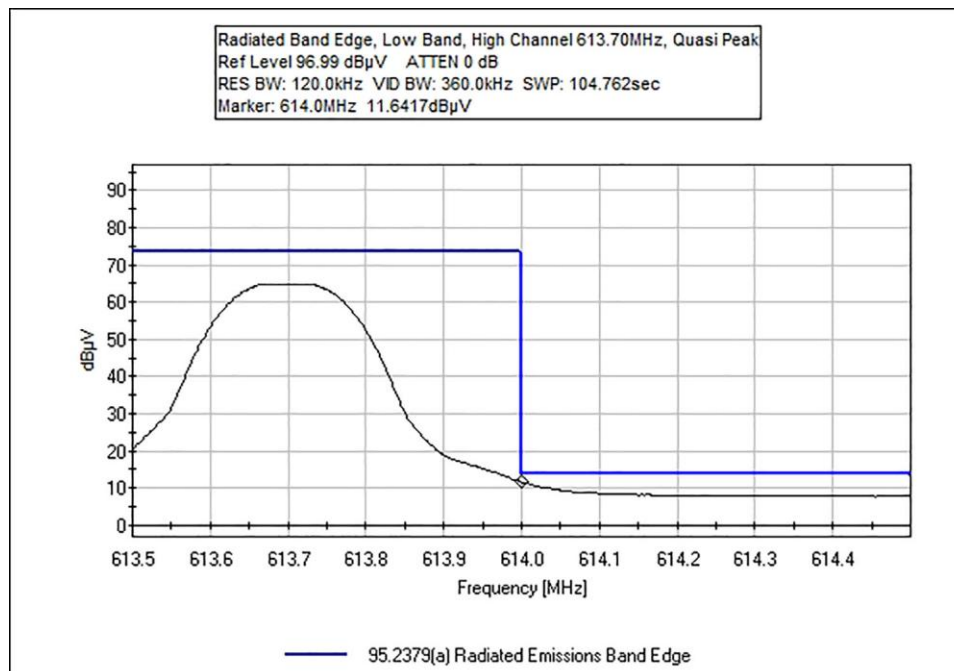
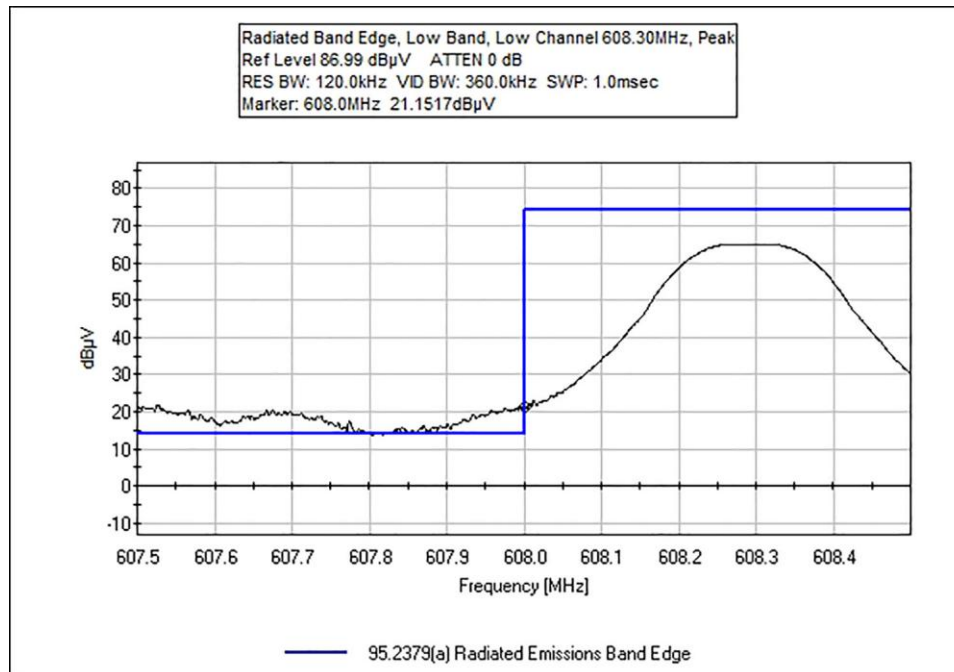
Band Edge

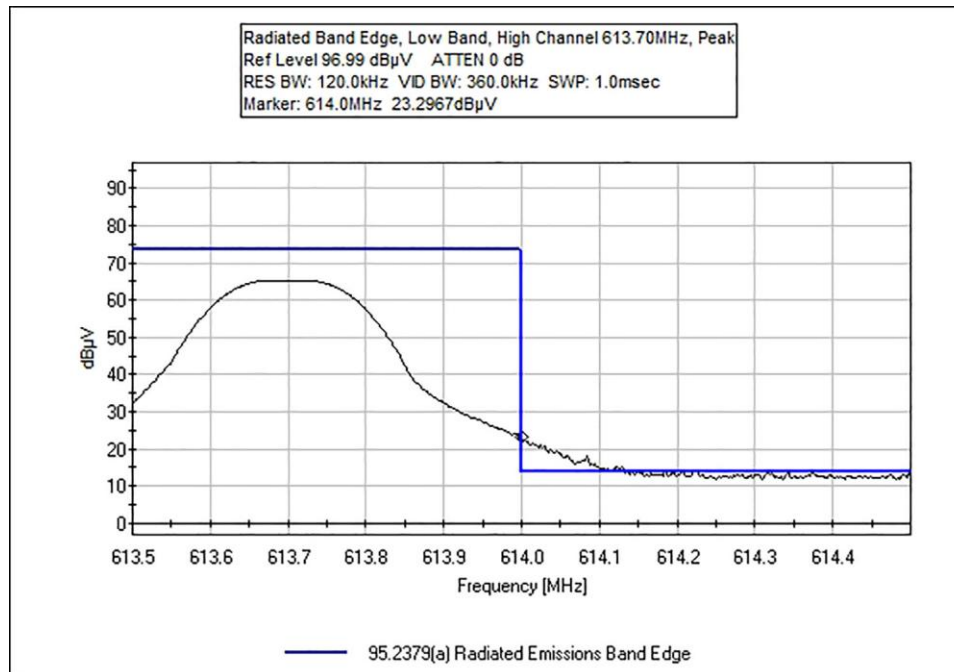
Band Edge Summary					
Frequency (MHz)	Modulation	Ant. Type	Field Strength (dBuV/m @3m)	Limit (dBuV/m @3m)	Results
608.000	4GFSK	Dipole Flex Film	43.2	<46	Pass
614.000			43.9	<46	Pass
1395.000*			43.7	< 54	Pass
1400.000*			46.0	<54	Pass
1427.000*			45.3	< 54	Pass
1432.000*			45.6	<54	Pass

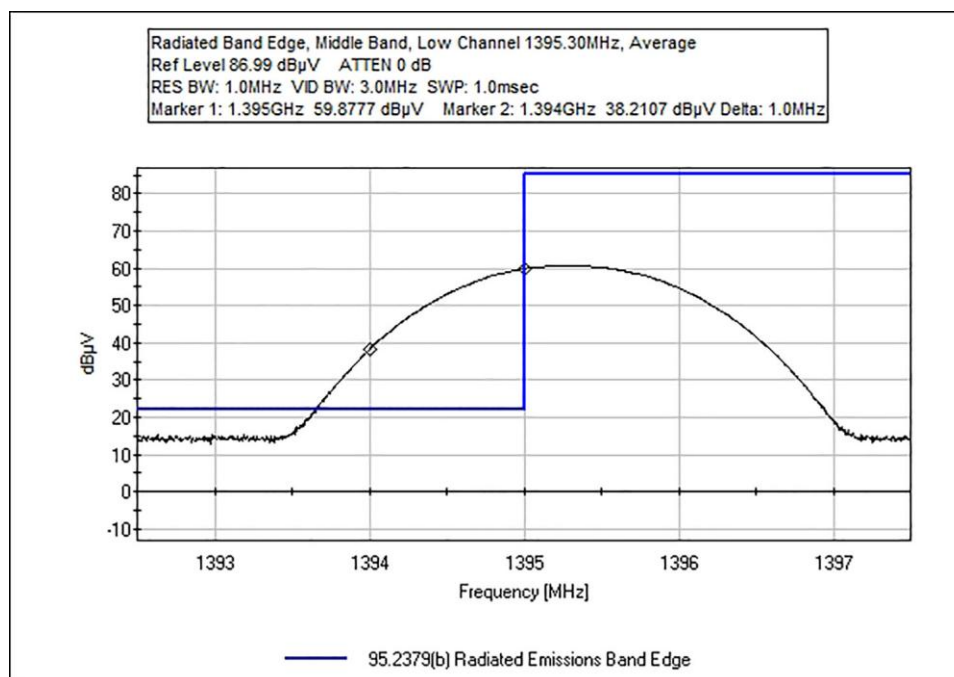
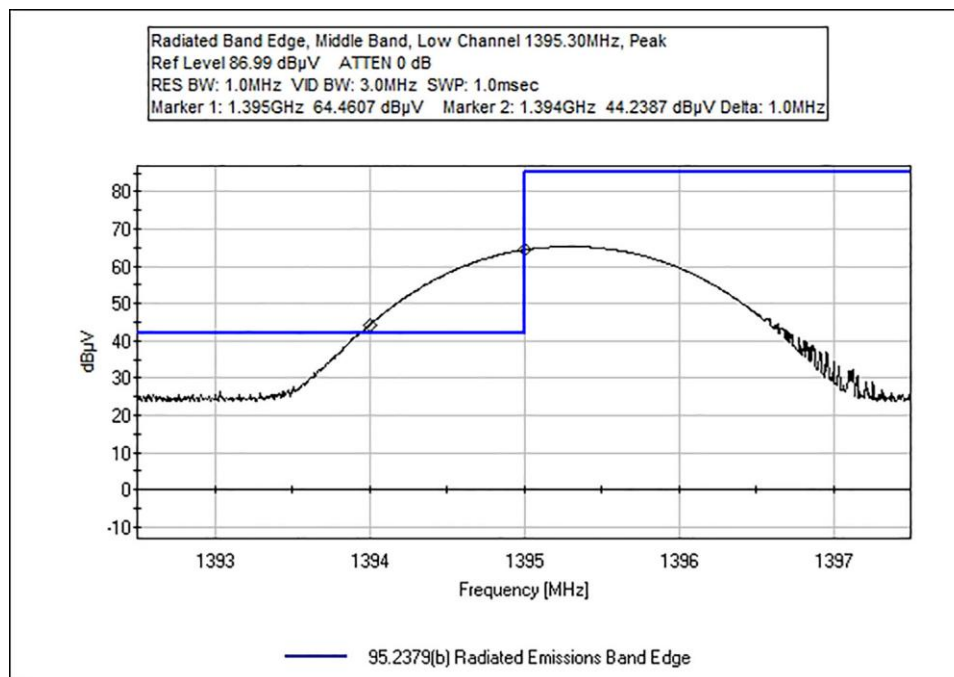
*Note: The initial measurement was captured with spectrum analyzer trace, however, the RBW used included out of band emissions. Integration was employed to show compliance in areas where the initial plot capture indicates emissions over the emission limit.

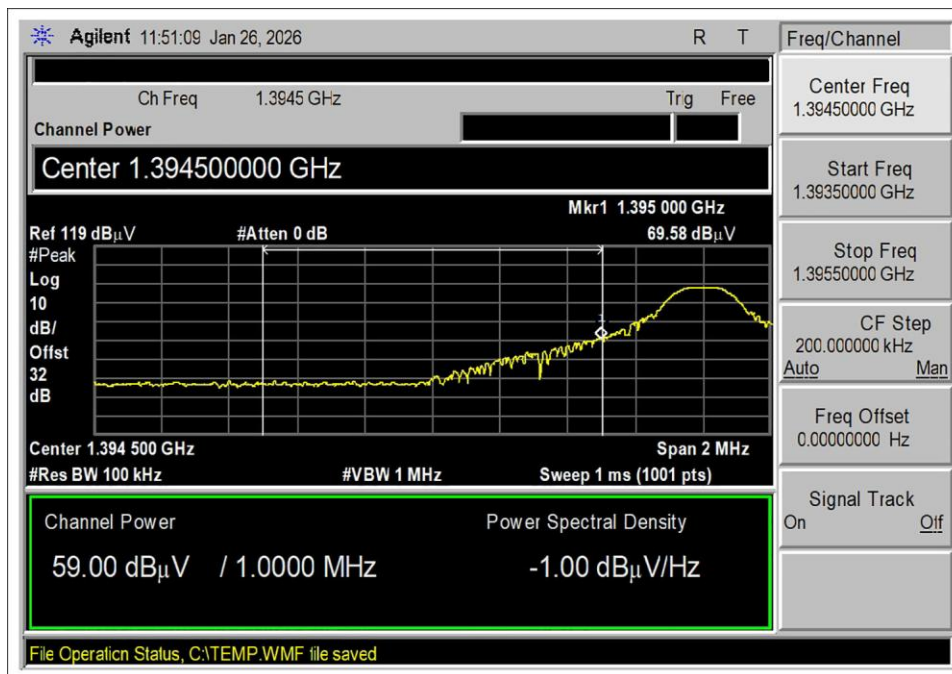
Band Edge Plots



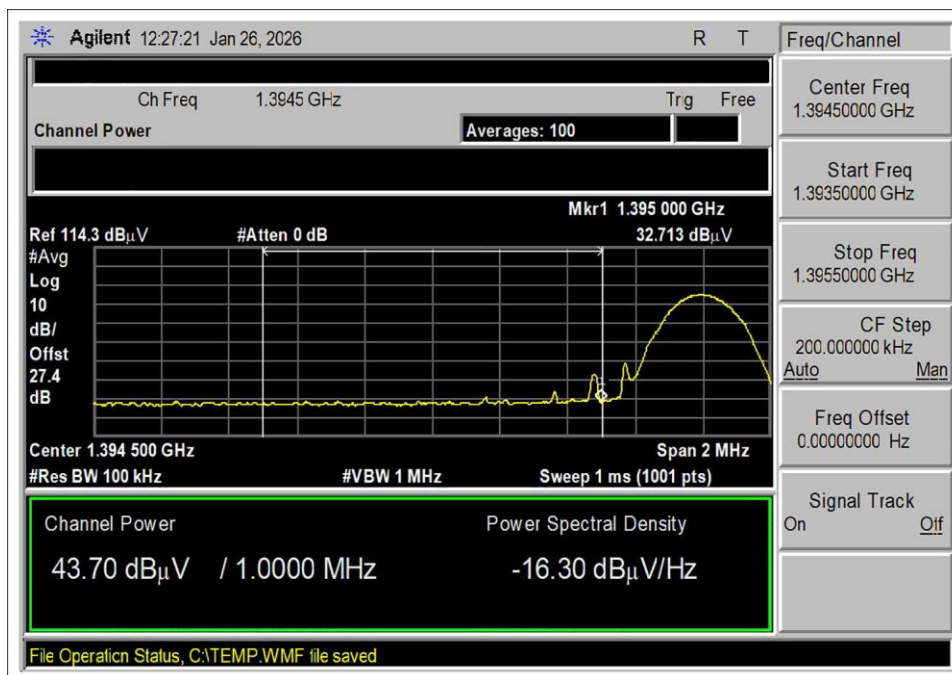




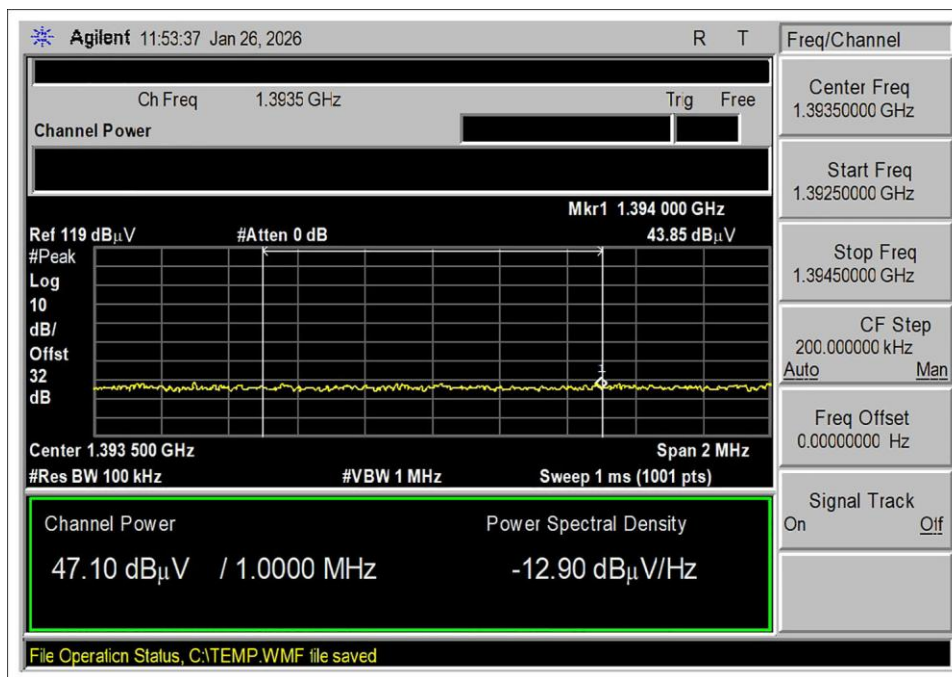




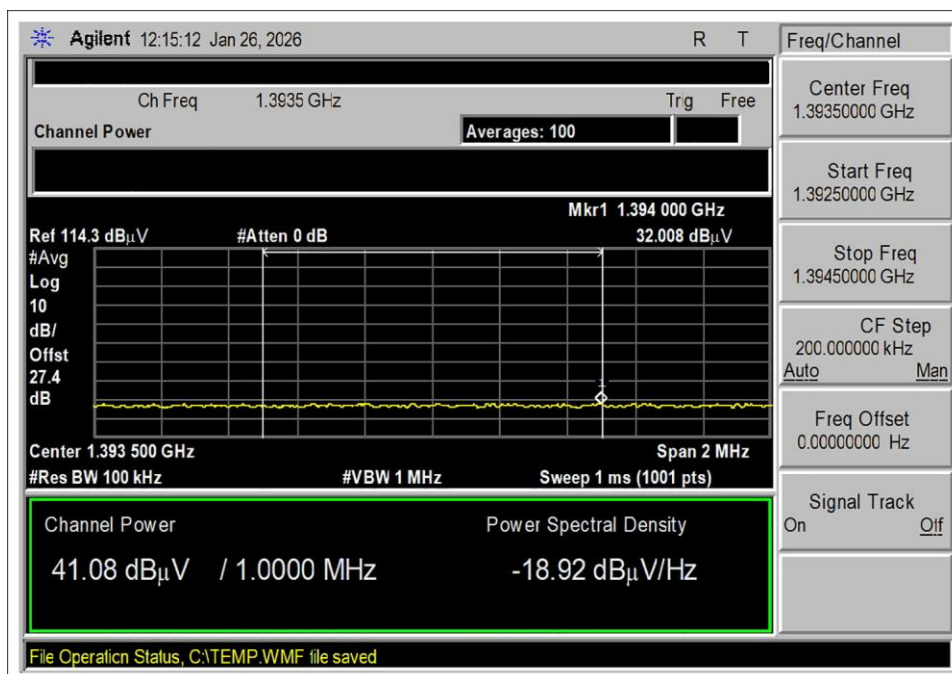
Middle Band, Low Channel, 1395.30, Peak, 1



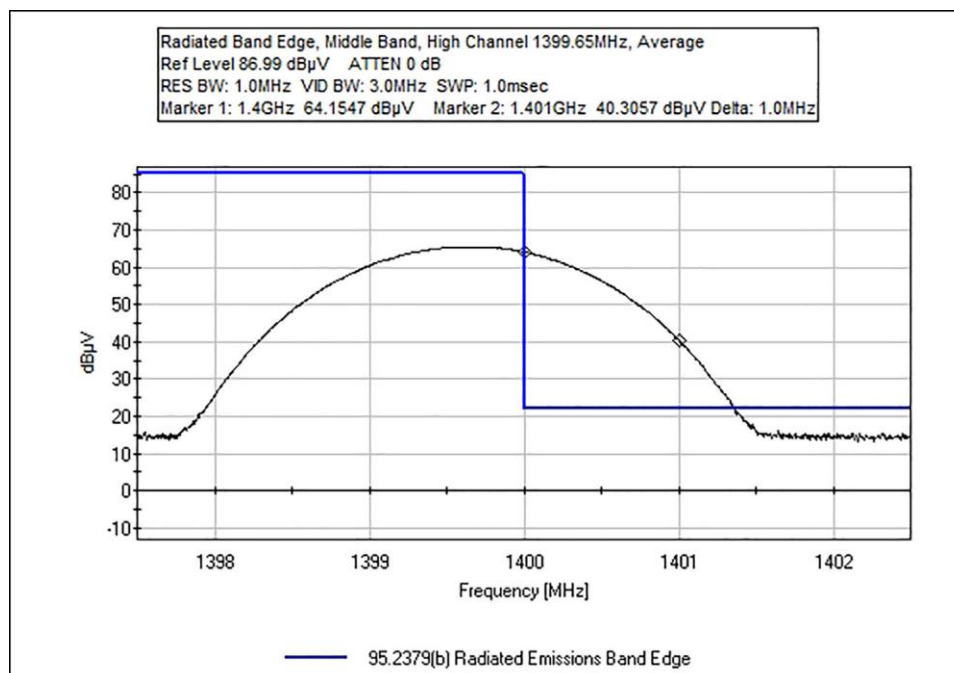
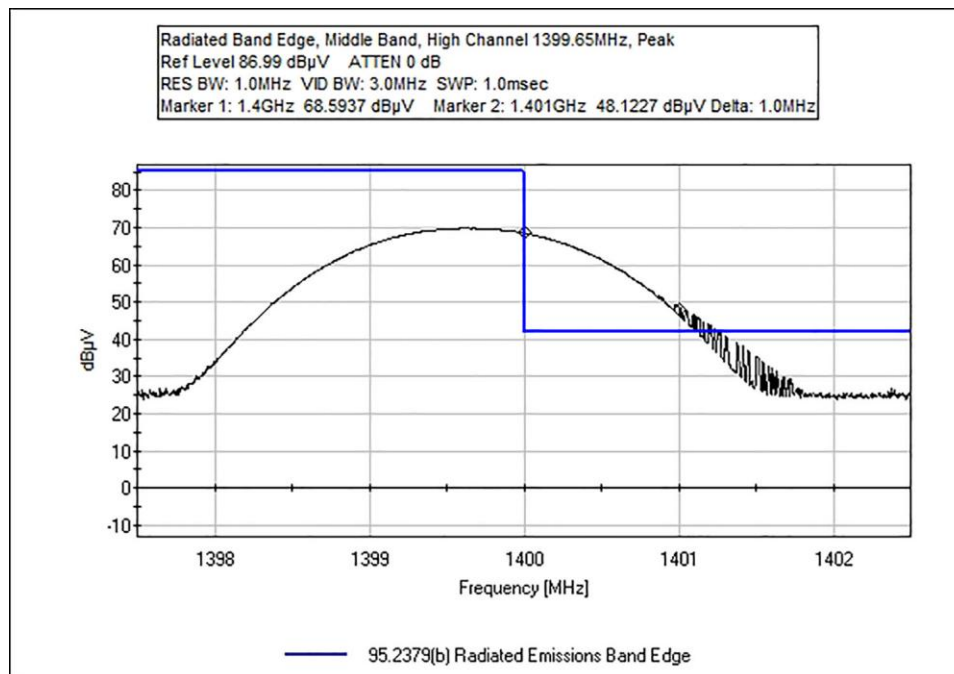
Middle Band, Low Channel, 1395.30, Average, 1

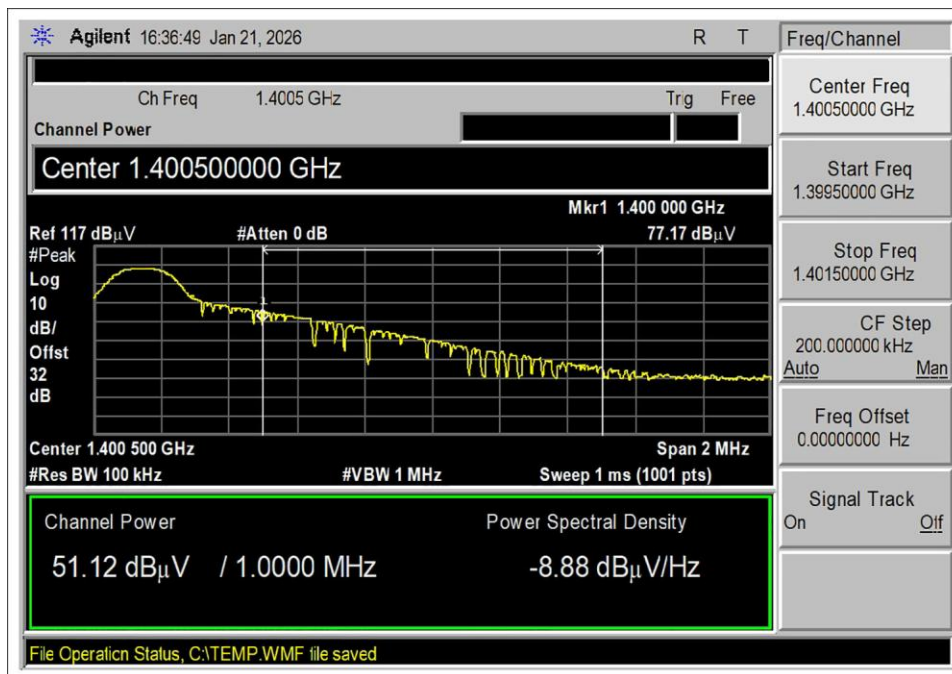


Middle Band, Low Channel, 1395.30, Peak, 2

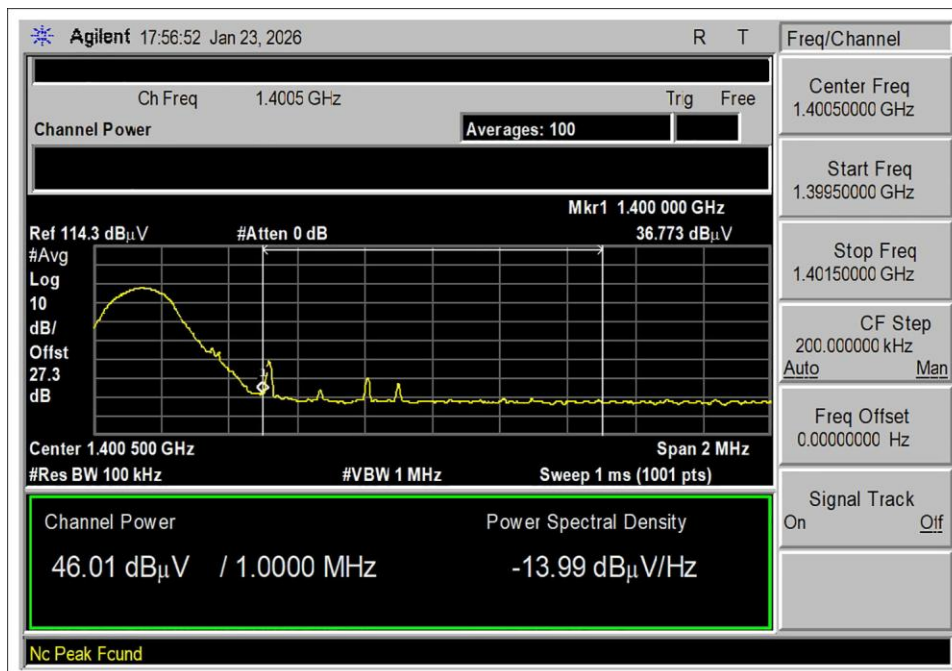


Middle Band, Low Channel, 1395.30, Average, 2

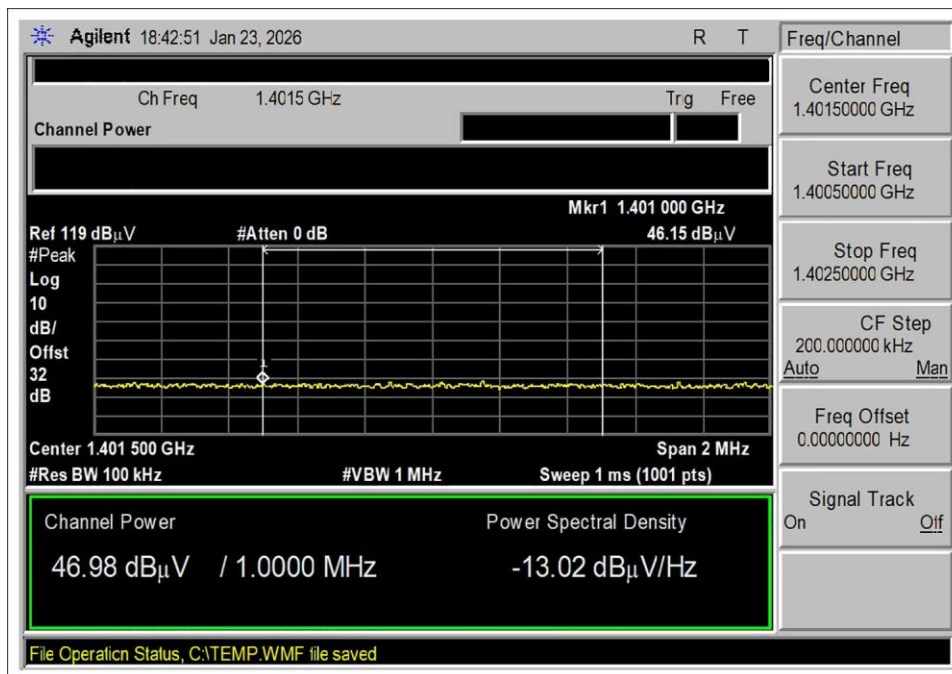




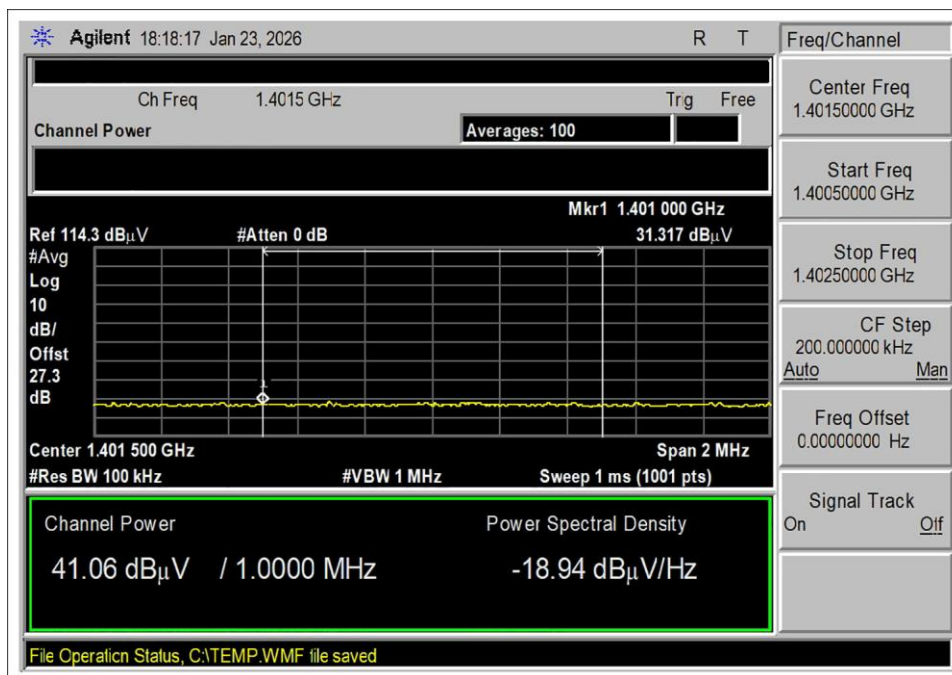
Middle Band, High Channel, 1399.65, Peak, 1



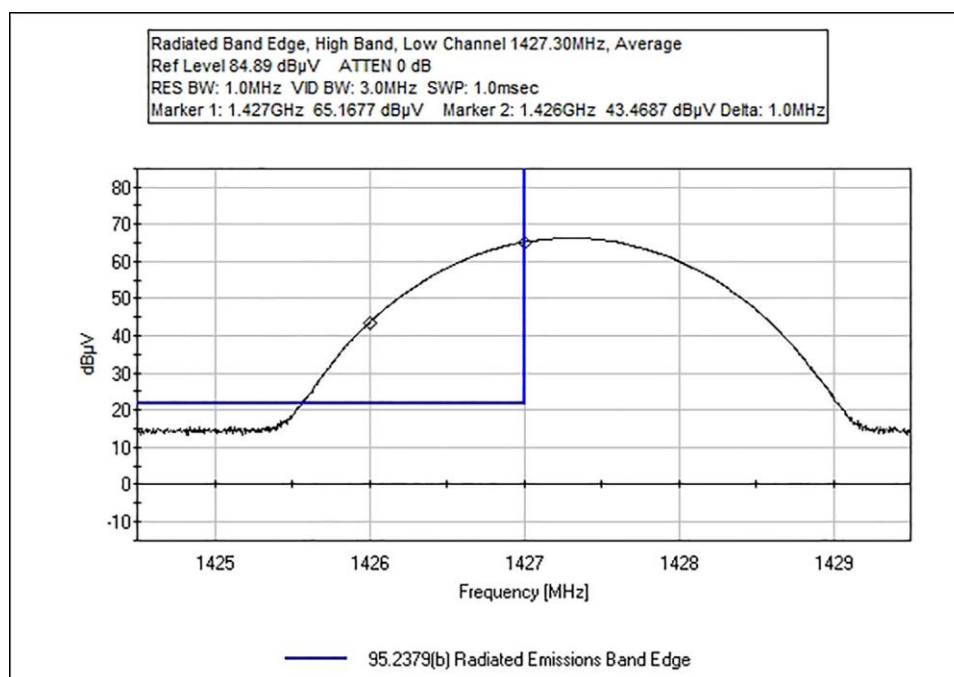
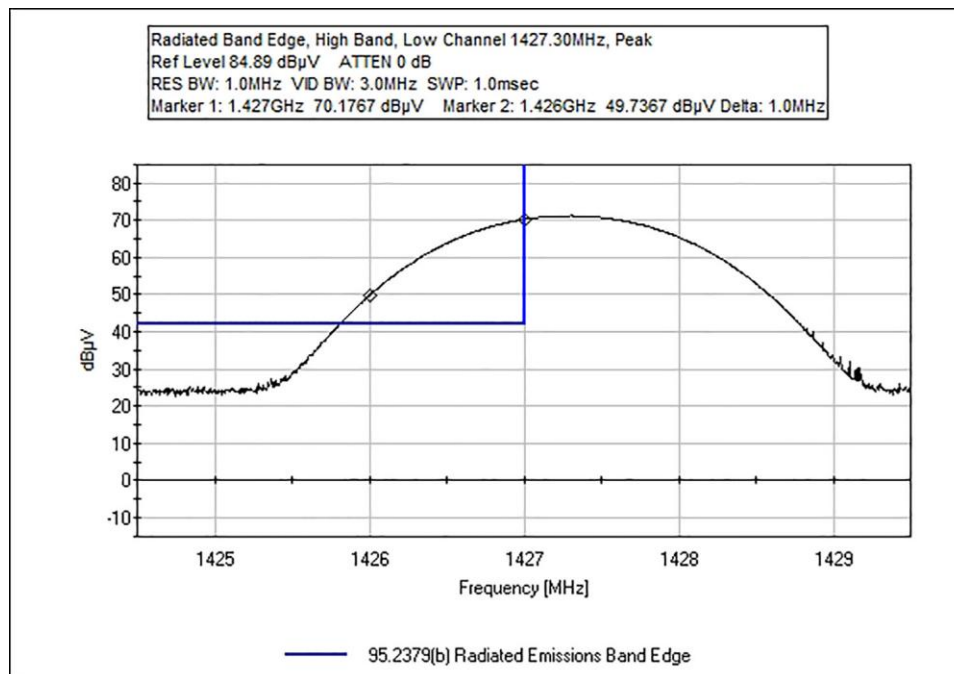
Middle Band, High Channel, 1399.65, Average, 1

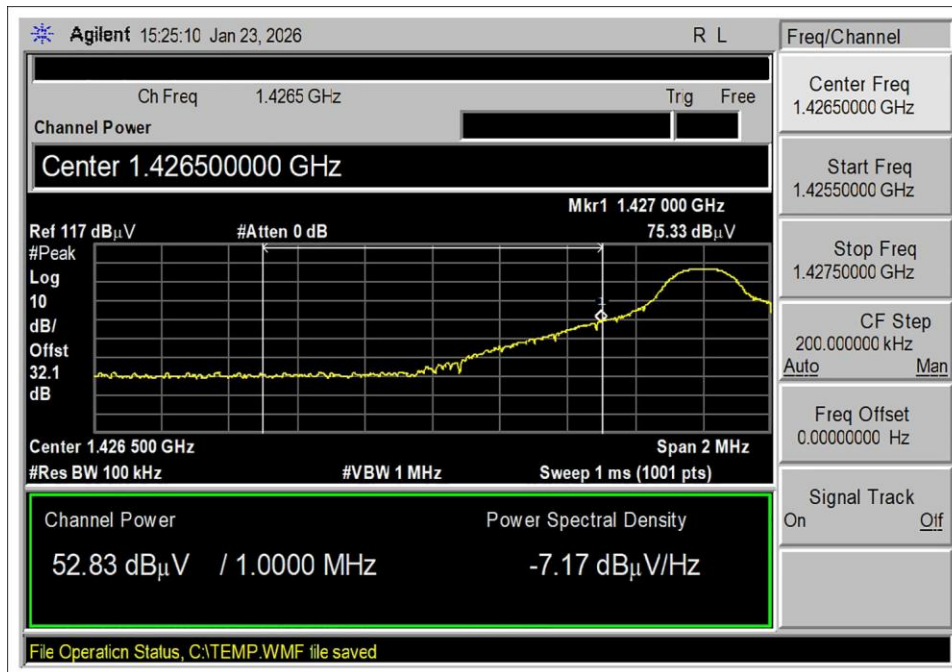


Middle Band, High Channel, 1399.65, Peak, 2

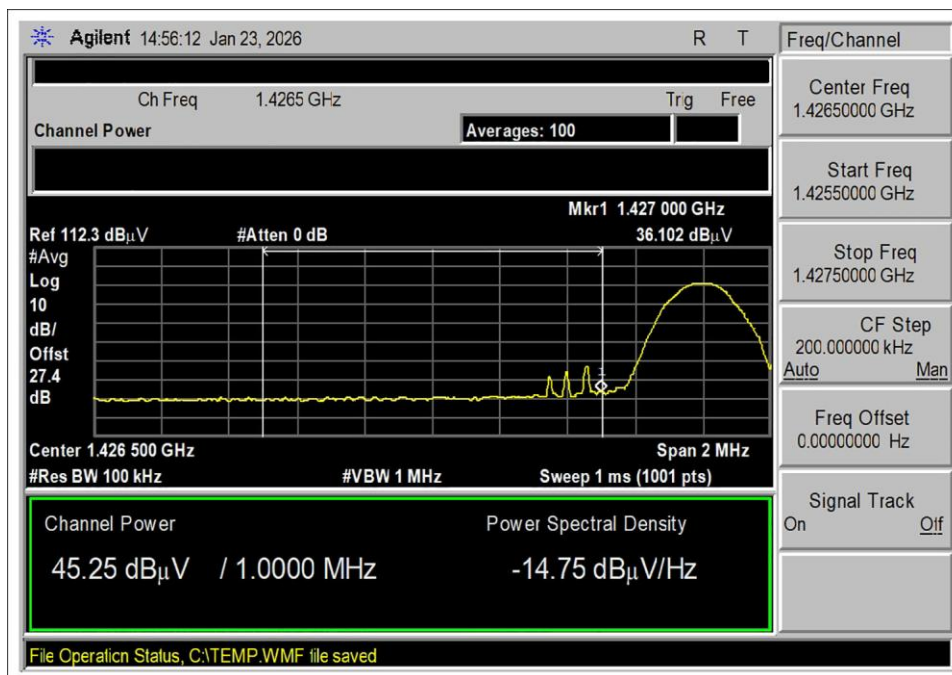


Middle Band, High Channel, 1399.65, Average, 2

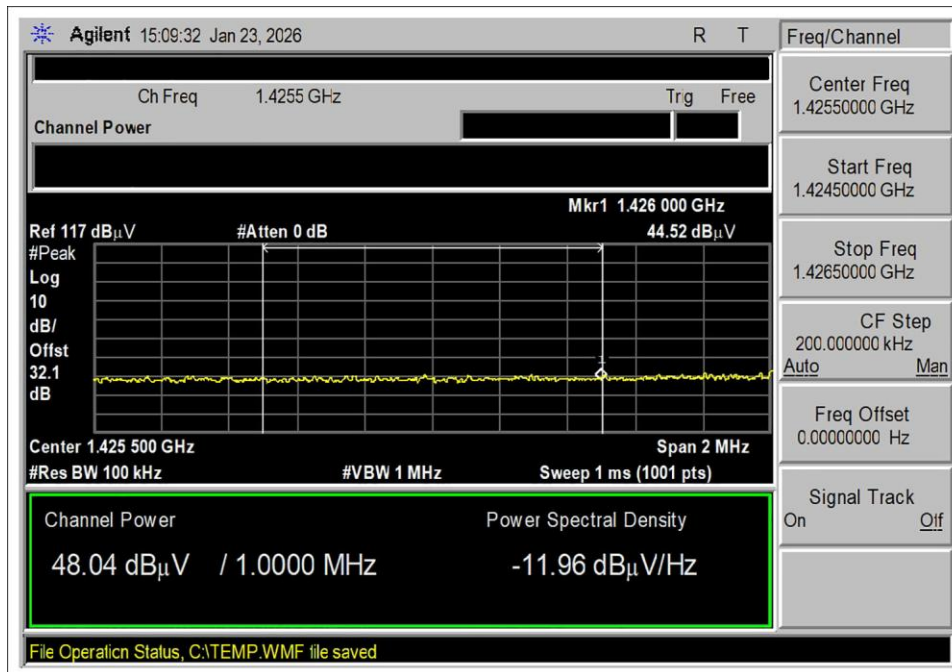




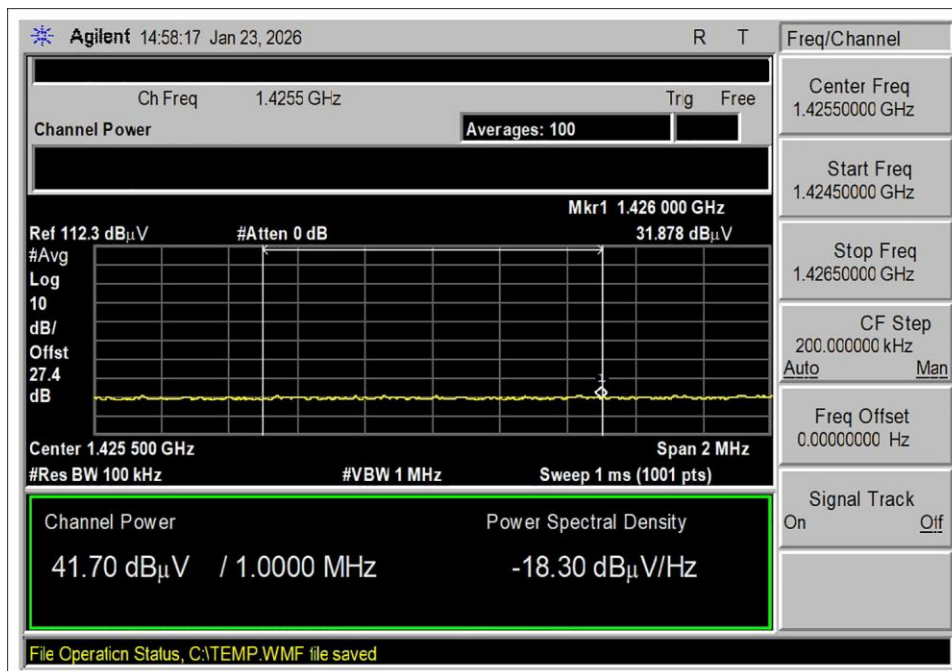
High Band, Low Channel, 1427.30, Peak, 1



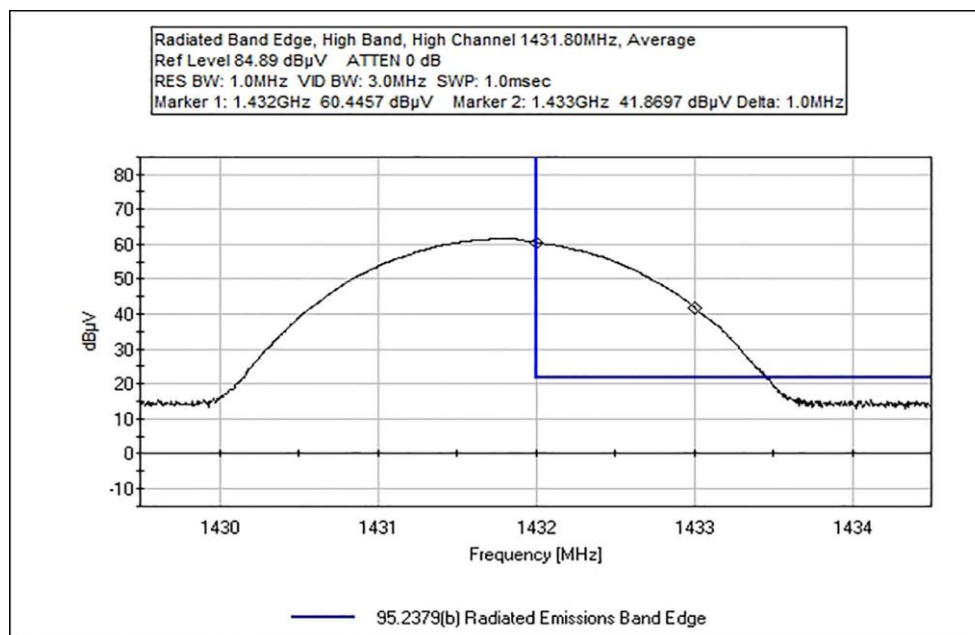
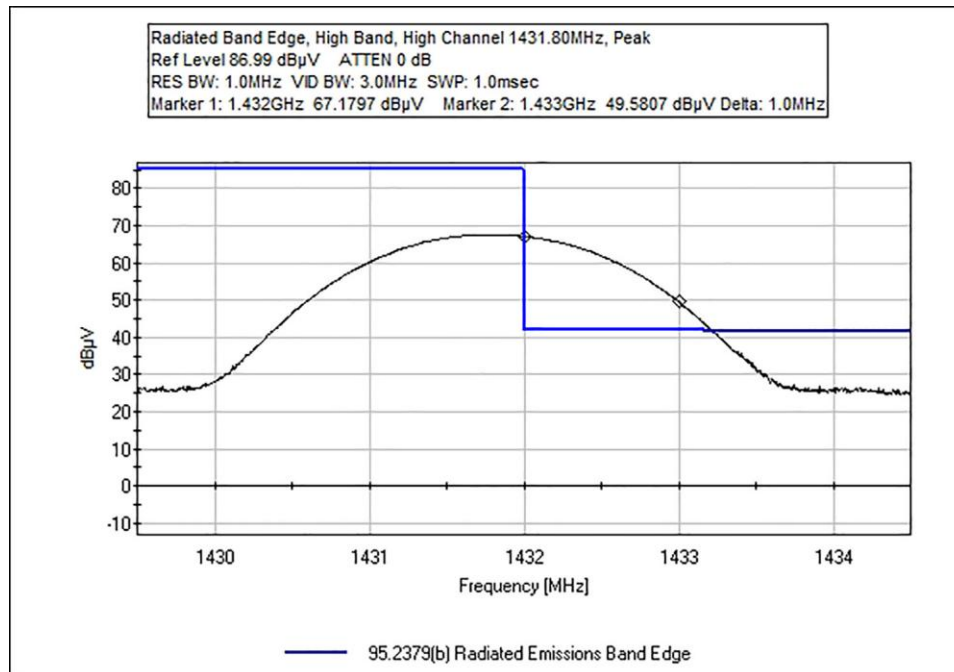
High Band, Low Channel, 1427.30, Average, 1

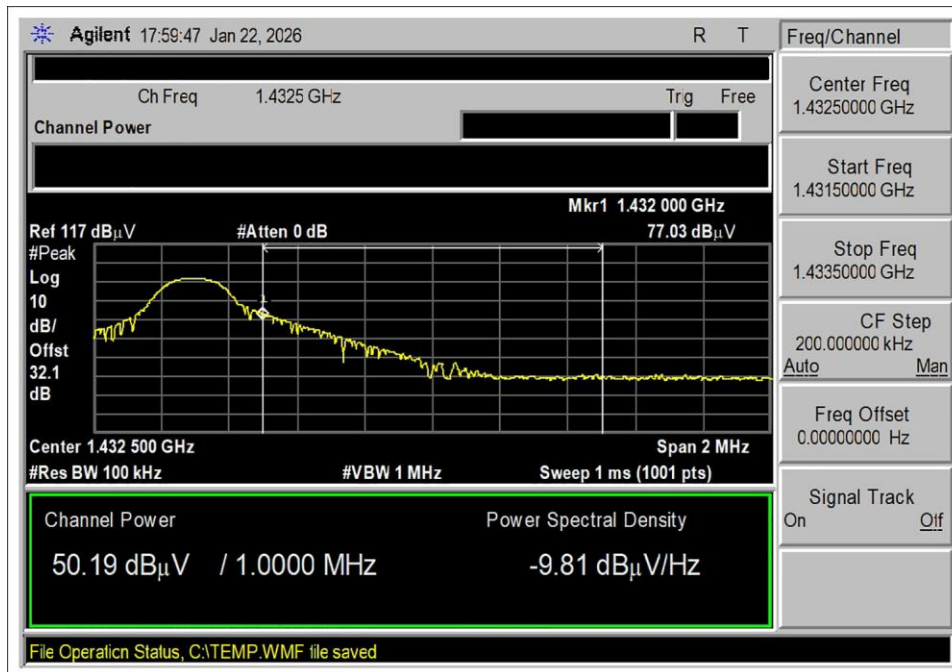


High Band, Low Channel, 1427.30, Peak, 2

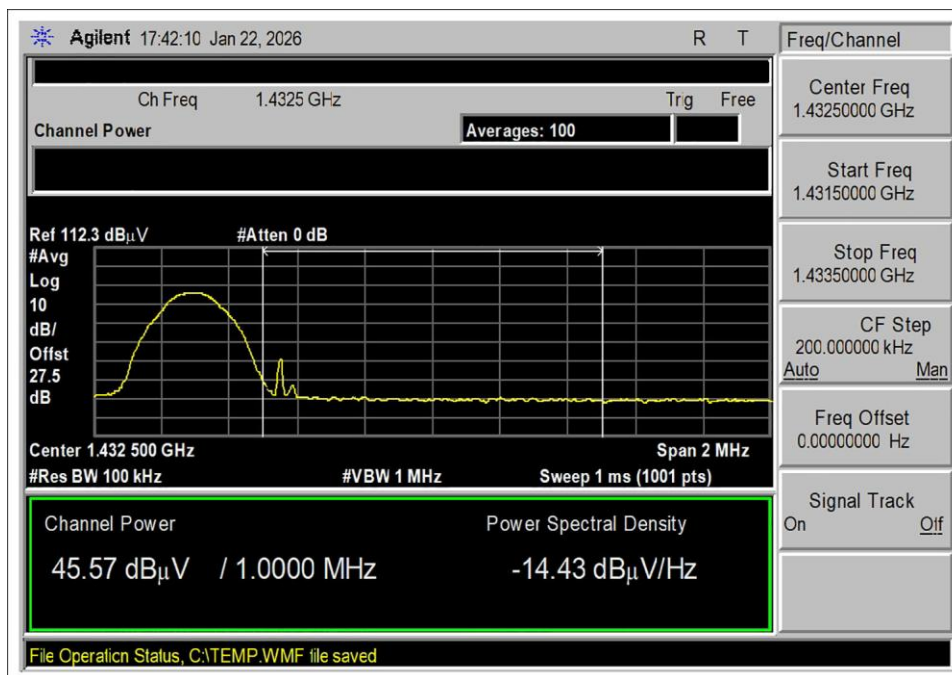


High Band, Low Channel, 1427.30, Average, 2

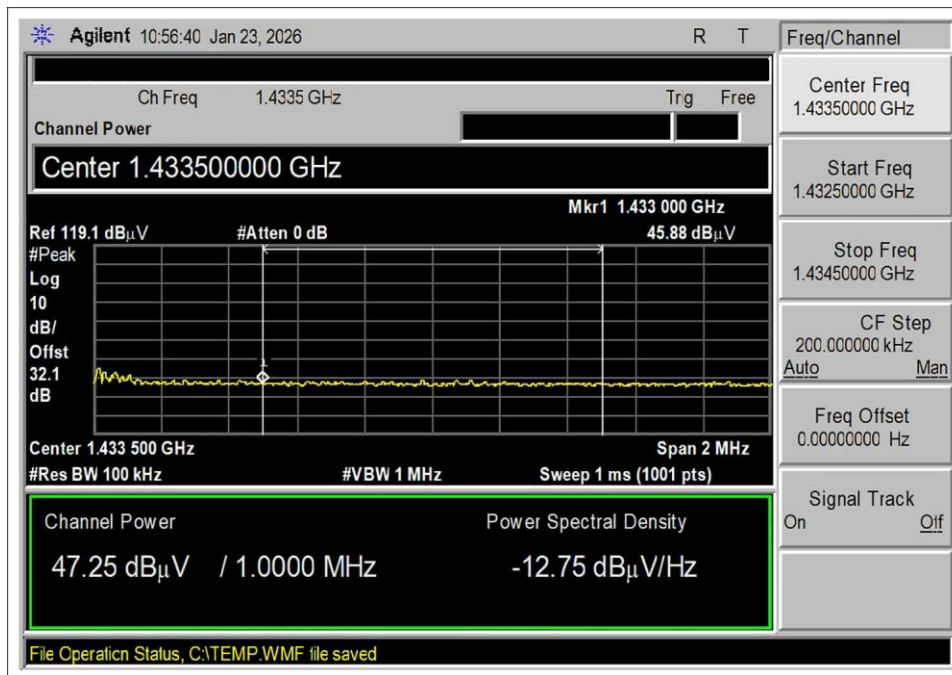




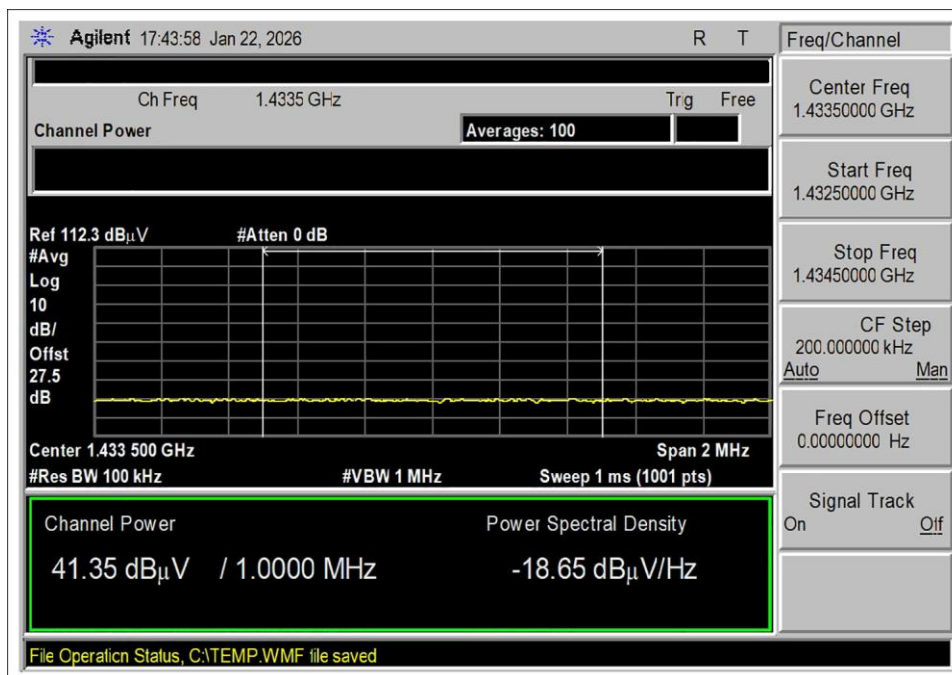
High Band, High Channel, 1431.80, Peak, 1



High Band, High Channel, 1431.80, Average, 1



High Band, High Channel, 1431.80, Peak, 2



High Band, High Channel, 1431.80, Average, 2

Test Data

Test Location: CKC Laboratories, Inc. • 110 North Olinda Place • Brea, CA 92823 • (714) 993-6112
 Customer: **Life Sensing Instruments, Inc.**
 Specification: **95.2379(a) Radiated Emissions Band Edge**
 Work Order #: **111599** Date: 2/2/2026
 Test Type: **Radiated Scan** Time: 16:08:21
 Tested By: Kevin Navarro Sequence#: 2
 Software: EMITest 5.03.20

Equipment Tested:

Device	Manufacturer	Model #	S/N
Configuration 1			

Support Equipment:

Device	Manufacturer	Model #	S/N
Configuration 1			

Test Conditions / Notes:

The equipment under test (EUT) is placed stand alone on the Styrofoam tabletop. The EUT is powered from two new internal AAA batteries (3VDC).

The EUT is set up to transmit on the lowest and highest channels within the 608MHz to 614MHz band.

Low channel 608.300MHz

High channel 613.700MHz

The EUT is tested in three orientations.

Data listed represents worse case readings.

Site D

Test Environment Conditions:

Temperature: 21°C

Humidity: 39%

Pressure: 99kPa

Test Method: ANSI C63.26 (2015)

RBW=120kHz

VBW=360kHz

Test Equipment:

ID	Asset #	Description	Model	Calibration Date	Cal Due Date
	AN03834	Spectrum Analyzer	E4448A	11/3/2025	11/3/2027
T1	ANP04382	Cable	LDF-50	6/4/2024	6/4/2026
T2	ANP01911	Cable-Amplitude +15C to +45C (dB)	RG214/U	12/31/2025	12/31/2027
T3	AN03628	Biconilog Antenna	CBL6111C	5/16/2024	5/16/2026

Measurement Data:

Reading listed by margin.

Test Distance: 3 Meters

#	Freq MHz	Rdng dB μ V	T1 dB	T2 dB	T3 dB	Dist Table	Corr dB μ V/m	Spec dB μ V/m	Margin dB	Polar Ant
1	614.000M	11.7	+2.6	+2.5	+27.1	+0.0	43.9	46.0	-2.1	Vert
	QP									
^	614.000M	23.3	+2.6	+2.5	+27.1	+0.0	55.5	46.0	+9.5	Vert
3	608.000M	11.4	+2.6	+2.5	+26.7	+0.0	43.2	46.0	-2.8	Vert
	QP									
^	608.000M	21.2	+2.6	+2.5	+26.7	+0.0	53.0	46.0	+7.0	Vert

Test Location: CKC Laboratories, Inc. • 110 North Olinda Place • Brea, CA 92823 • (714) 993-6112
 Customer: **Life Sensing Instruments, Inc.**
 Specification: **95.2379(b) Radiated Emissions Band Edge**
 Work Order #: **111599** Date: 1/26/2026
 Test Type: **Radiated Scan** Time: 10:18:16
 Tested By: Kevin Navarro Sequence#: 4
 Software: EMITest 5.03.20

Equipment Tested:

Device	Manufacturer	Model #	S/N
Configuration 1			

Support Equipment:

Device	Manufacturer	Model #	S/N
Configuration 1			

Test Conditions / Notes:

The equipment under test (EUT) is placed stand alone on the Styrofoam tabletop. The EUT is powered from two new internal AAA batteries (3VDC).

The EUT is set up to transmit on the lowest and highest channels within the 1395MHz to 1400MHz band.
 Low channel 1395.300MHz
 High channel 1399.650MHz

The EUT is tested in three orientations.
 Data listed represents worse case readings.

Site D

Test Environment Conditions:
 Temperature: 21°C
 Humidity: 33%
 Pressure: 99kPa

Test Method: ANSI C63.26 (2015)

RBW=1MHz
 VBW=3MHz

For integrated power, transducer factors T1, T2, and T3 were turned off and the correction factor was entered into the spectrum analyzer as an amplitude offset.

Test Equipment:

ID	Asset #	Description	Model	Calibration Date	Cal Due Date
	AN03834	Spectrum Analyzer	E4448A	11/3/2025	11/3/2027
T1	ANP04382	Cable	LDF-50	6/4/2024	6/4/2026
T2	ANP08191	Cable	ANDL1-PNMNM-50	11/11/2024	11/11/2026
T3	AN01646	Horn Antenna	3115	3/8/2024	3/8/2026

Measurement Data:

Reading listed by margin.

Test Distance: 3 Meters

#	Freq MHz	Rdng dBμV	T1 dB	T2 dB	T3 dB	Dist Table	Corr dBμV/m	Spec dBμV/m	Margin dB	Polar Ant
1	1400.000M	68.6	+4.1	+2.5	+25.4	+0.0	100.6	74.0	+26.6	Horiz
2	1395.000M	64.5	+4.1	+2.5	+25.4	+0.0	96.5	74.0	+22.5	Vert
3	1401.000M	48.1	+4.1	+2.5	+25.4	+0.0	80.1	74.0	+6.1	Horiz
4	1394.000M	44.2	+4.1	+2.5	+25.4	+0.0	76.2	74.0	+2.2	Vert
5	1395.000M	59.0	+0.0	+0.0	+0.0	+0.0	59.0	74.0	-15.0	Vert
6	1400.000M	51.1	+0.0	+0.0	+0.0	+0.0	51.1	74.0	-22.9	Horiz
7	1394.000M	47.1	+0.0	+0.0	+0.0	+0.0	47.1	74.0	-26.9	Vert
8	1401.000M	47.0	+0.0	+0.0	+0.0	+0.0	47.0	74.0	-27.0	Horiz

Test Location: CKC Laboratories, Inc. • 110 North Olinda Place • Brea, CA 92823 • (714) 993-6112
 Customer: **Life Sensing Instruments, Inc.**
 Specification: **95.2379(b) Radiated Emissions Band Edge**
 Work Order #: **111600** Date: 1/26/2026
 Test Type: **Radiated Scan** Time: 10:43:06
 Tested By: Kevin Navarro Sequence#: 4
 Software: EMITest 5.03.20

Equipment Tested:

Device	Manufacturer	Model #	S/N
Configuration 1			

Support Equipment:

Device	Manufacturer	Model #	S/N
Configuration 1			

Test Conditions / Notes:

The equipment under test (EUT) is placed stand alone on the Styrofoam tabletop. The EUT is powered from two new internal AAA batteries (3VDC).

The EUT is set up to transmit on the lowest and highest channels within the 1395MHz to 1400MHz band.

Low channel 1395.300MHz

High channel 1399.650MHz

The EUT is tested in three orientations.

Data listed represents worse case readings.

Site D

Test Environment Conditions:

Temperature: 21°C

Humidity: 33%

Pressure: 99kPa

Test Method: ANSI C63.26 (2015)

RBW=1MHz

VBW=3MHz

For integrated power, transducer factors T1, T2, and T3 were turned off and the correction factor was entered into the spectrum analyzer as an amplitude offset.

Test Equipment:

ID	Asset #	Description	Model	Calibration Date	Cal Due Date
	AN03834	Spectrum Analyzer	E4448A	11/3/2025	11/3/2027
T1	ANP04382	Cable	LDF-50	6/4/2024	6/4/2026
T2	ANP08191	Cable	ANDL1-PNMNM-50	11/11/2024	11/11/2026
T3	AN01646	Horn Antenna	3115	3/8/2024	3/8/2026

Measurement Data:

Reading listed by margin.

Test Distance: 3 Meters

#	Freq MHz	Rdng dBμV	T1 dB	T2 dB	T3 dB		Dist Table	Corr dBμV/m	Spec dBμV/m	Margin dB	Polar Ant
1	1400.000M Ave	64.2	+4.1	+2.5	+25.4		+0.0	96.2	54.0	+42.2	Horiz
2	1395.000M Ave	59.9	+4.1	+2.5	+25.4		+0.0	91.9	54.0	+37.9	Vert
3	1401.000M Ave	40.3	+4.1	+2.5	+25.4		+0.0	72.3	54.0	+18.3	Horiz
4	1394.000M Ave	38.2	+4.1	+2.5	+25.4		+0.0	70.2	54.0	+16.2	Vert
5	1400.000M Ave	46.0	+0.0	+0.0	+0.0		+0.0	46.0	54.0 Integration	-8.0	Horiz
6	1395.000M Ave	43.7	+0.0	+0.0	+0.0		+0.0	43.7	54.0 Integration	-10.3	Vert
7	1394.000M Ave	41.1	+0.0	+0.0	+0.0		+0.0	41.1	54.0 Integration	-12.9	Vert
8	1401.000M Ave	41.1	+0.0	+0.0	+0.0		+0.0	41.1	54.0 Integration	-12.9	Horiz

Test Location: CKC Laboratories, Inc. • 110 North Olinda Place • Brea, CA 92823 • (714) 993-6112
 Customer: **Life Sensing Instruments, Inc.**
 Specification: **95.2379(b) Radiated Emissions Band Edge**
 Work Order #: **111599** Date: 1/23/2026
 Test Type: **Radiated Scan** Time: 14:10:01
 Tested By: Kevin Navarro Sequence#: 4
 Software: EMITest 5.03.20

Equipment Tested:

Device	Manufacturer	Model #	S/N
Configuration 1			

Support Equipment:

Device	Manufacturer	Model #	S/N
Configuration 1			

Test Conditions / Notes:

The equipment under test (EUT) is placed stand alone on the Styrofoam tabletop. The EUT is powered from two new internal AAA batteries (3VDC).

The EUT is set up to transmit on the lowest and highest channels within the 1427MHz to 1432MHz band.
 Low channel 1427.300MHz
 High channel 1431.800MHz

The EUT is tested in three orientations.
 Data listed represents worse case readings.

Site D

Test Environment Conditions:
 Temperature: 21°C
 Humidity: 33%
 Pressure: 99kPa

Test Method: ANSI C63.26 (2015)

RBW=1MHz
 VBW=3MHz

For integrated power, transducer factors T1, T2, and T3 were turned off and the correction factor was entered into the spectrum analyzer as an amplitude offset.

Test Equipment:

ID	Asset #	Description	Model	Calibration Date	Cal Due Date
	AN03834	Spectrum Analyzer	E4448A	11/3/2025	11/3/2027
T1	ANP04382	Cable	LDF-50	6/4/2024	6/4/2026
T2	ANP08191	Cable	ANDL1-PNMNM-50	11/11/2024	11/11/2026
T3	AN01646	Horn Antenna	3115	3/8/2024	3/8/2026

Measurement Data:

Reading listed by margin.

Test Distance: 3 Meters

#	Freq MHz	Rdng dBμV	T1 dB	T2 dB	T3 dB	Dist Table	Corr dBμV/m	Spec dBμV/m	Margin dB	Polar Ant
1	1427.000M	70.2	+4.2	+2.5	+25.4	+0.0	102.3	74.0	+28.3	Vert
2	1432.000M	67.2	+4.2	+2.5	+25.4	+0.0	99.3	74.0	+25.3	Vert
3	1426.000M	49.7	+4.2	+2.5	+25.4	+0.0	81.8	74.0	+7.8	Vert
4	1433.000M	49.6	+4.2	+2.5	+25.4	+0.0	81.7	74.0	+7.7	Vert
5	1427.000M	52.8	+0.0	+0.0	+0.0	+0.0	52.8	74.0	-21.2	Vert
6	1432.000M	50.2	+0.0	+0.0	+0.0	+0.0	50.2	74.0	-23.8	Vert
7	1426.000M	48.0	+0.0	+0.0	+0.0	+0.0	48.0	74.0	-26.0	Vert
8	1433.000M	47.3	+0.0	+0.0	+0.0	+0.0	47.3	74.0	-26.8	Vert

Test Location: CKC Laboratories, Inc. • 110 North Olinda Place • Brea, CA 92823 • (714) 993-6112
 Customer: **Life Sensing Instruments, Inc.**
 Specification: **95.2379(b) Radiated Emissions Band Edge**
 Work Order #: **111600** Date: 1/23/2026
 Test Type: **Radiated Scan** Time: 14:52:17
 Tested By: Kevin Navarro Sequence#: 4
 Software: EMITest 5.03.20

Equipment Tested:

Device	Manufacturer	Model #	S/N
Configuration 1			

Support Equipment:

Device	Manufacturer	Model #	S/N
Configuration 1			

Test Conditions / Notes:

The equipment under test (EUT) is placed stand alone on the Styrofoam tabletop. The EUT is powered from two new internal AAA batteries (3VDC).

The EUT is set up to transmit on the lowest and highest channels within the 1427MHz to 1432MHz band.
 Low channel 1427.300MHz
 High channel 1431.800MHz

The EUT is tested in three orientations.
 Data listed represents worse case readings.

Site D

Test Environment Conditions:
 Temperature: 21°C
 Humidity: 33%
 Pressure: 99kPa

Test Method: ANSI C63.26 (2015)

RBW=1MHz
 VBW=3MHz

For integrated power, transducer factors T1, T2, and T3 were turned off and the correction factor was entered into the spectrum analyzer as an amplitude offset.

Test Equipment:

ID	Asset #	Description	Model	Calibration Date	Cal Due Date
	AN03834	Spectrum Analyzer	E4448A	11/3/2025	11/3/2027
T1	ANP04382	Cable	LDF-50	6/4/2024	6/4/2026
T2	ANP08191	Cable	ANDL1-PNMNM-50	11/11/2024	11/11/2026
T3	AN01646	Horn Antenna	3115	3/8/2024	3/8/2026

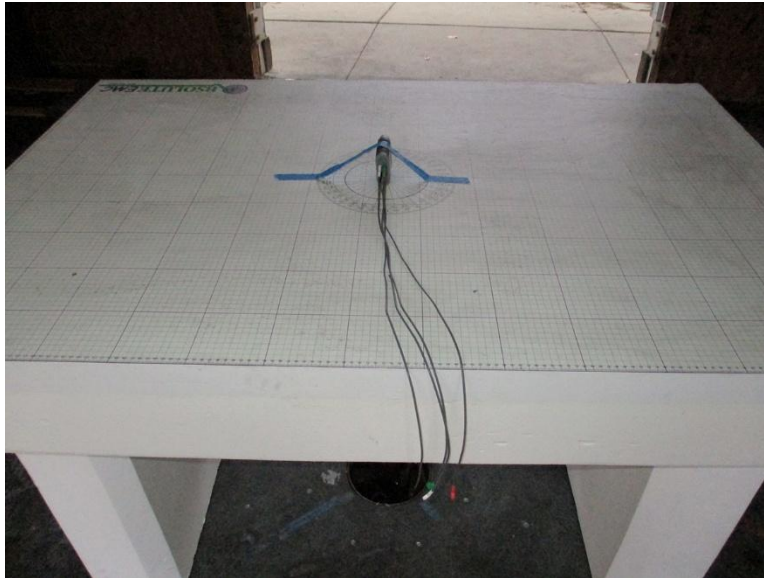
Measurement Data:

Reading listed by margin.

Test Distance: 3 Meters

#	Freq MHz	Rdng dBμV	T1 dB	T2 dB	T3 dB	Dist Table	Corr dBμV/m	Spec dBμV/m	Margin dB	Polar Ant
1	1427.000M Ave	65.2	+4.2	+2.5	+25.4	+0.0	97.3	54.0	+43.3	Vert
2	1432.000M Ave	60.4	+4.2	+2.5	+25.4	+0.0	92.5	54.0	+38.5	Vert
3	1426.000M Ave	43.5	+4.2	+2.5	+25.4	+0.0	75.6	54.0	+21.6	Vert
4	1433.000M Ave	41.9	+4.2	+2.5	+25.4	+0.0	74.0	54.0	+20.0	Vert
5	1432.000M Ave	45.6	+0.0	+0.0	+0.0	+0.0	45.6	54.0 Integration	-8.4	Vert
6	1427.000M Ave	45.3	+0.0	+0.0	+0.0	+0.0	45.3	54.0 Integration	-8.8	Vert
7	1426.000M Ave	41.7	+0.0	+0.0	+0.0	+0.0	41.7	54.0 Integration	-12.3	Vert
8	1433.000M Ave	41.3	+0.0	+0.0	+0.0	+0.0	41.3	54.0 Integration	-12.6	Vert

Test Setup Photo(s)



Below 1GHz



Above 1GHz

95.2365 WMTS frequency accuracy

Test Setup/Conditions

Test Location:	Brea Lab Bench	Test Engineer:	E. Wong
Test Method:	ANSI C63.26 (2015)	Test Date(s):	1/20/2026 and 1/22/2026
Configuration:	2		

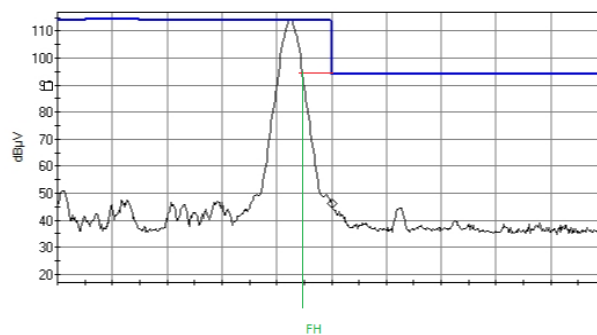
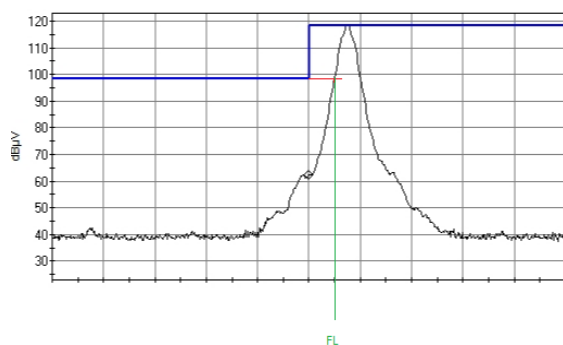
Environmental Conditions

Temperature (°C)	23	Relative Humidity (%):	40
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Test Equipment

Asset#	Description	Manufacturer	Model	Cal Date	Cal Due
03634	Spectrum Analyzer	Agilent	E4445A	04/22/2025	04/22/2026
P08330	Cable	Fluke Pomona	2249-C-240 BNC	8/25/2025	8/25/2027
P07164	Multimeter	Fluke	8845A/G	07/18/2025	07/18/2027
P05947	Thermometer	Fluke	51	5/21/2024	5/21/2026

Frequency stability was evaluated with FI, Fh obtained at frequency where WMTS unwanted emissions limits. (radiated field strength) is extrapolated to the transmit signal and calculated with relative measurement, then the EUT is placed in the temperature chamber and powered with a support power supply with variable voltage output. The voltage to the EUT was monitored via the DVM. Reference frequency measurement (-10dBc) at 20DegC and Full battery Voltage was obtained, and the deviation at the various Temperature /voltage range was collected and applied to the FI,Fh. The calculated FI, Fh shall maintain within the band 608-614MHz, 1395-1400MHz, 1427-1432MHz



§ 2.1055 Measurements required: Frequency stability.

(a) The frequency stability shall be measured with variation of ambient temperature as follows:

(1) From -30° to $+50^{\circ}$ centigrade for all equipment except that specified in [paragraphs \(a\) \(2\)](#) and [\(3\)](#) of this

(d) The frequency stability shall be measured with variation of primary supply voltage as follows

(1) Vary primary supply voltage from 85 to 115 percent of the nominal value for other than hand carried battery equipment

		Projected OATS reading at extreme condition	
		Fl at limit	Fh at limit
		608.0316	613.9734
Temp (C)	Voltage		
-30	3	608.29970	613.69980
-20	3	608.29970	613.69980
-10	3	608.29980	613.70000
0	3	608.29980	613.70000
10	3	608.30000	613.70000
20	3	608.30000	613.70000
30	3	608.29980	613.70000
40	3	608.29990	613.70000
50	3	608.29990	613.70000
		FL min	FH max
		608.29970	613.70000

Voltage Variations (Full Battery- End point)			
Temp (C)	Voltage		
20	1.5	608.30030	613.70000
20	3.0	608.30000	613.70000

	FL min	FH max
	608.30000	613.70000
Designated band	608.00000	614.00000

		Projected OATS reading at extreme condition	
		Fl at limit	Fh at limit
		1395.3	1399.65
Temp (C)	Voltage		
-30	3	1395.29910	1399.65000
-20	3	1395.29930	1399.64950
-10	3	1395.29960	1399.64980
0	3	1395.29980	1399.65000
10	3	1395.30000	1399.65000
20	3	1395.30000	1399.65000
30	3	1395.29980	1399.65000
40	3	1395.30010	1399.65020
50	3	1395.29980	1399.65000
		FL min	FH max
		1395.29910	1399.65020

Voltage Variations Full Battery- End point)			
Temp (C)	Voltage		
20	1.5	1395.30000	1399.65000
20	3.0	1395.30000	1399.65000

	FL min	FH max
	1395.30000	1399.65000
Designated band	1395.00000	1400.00000

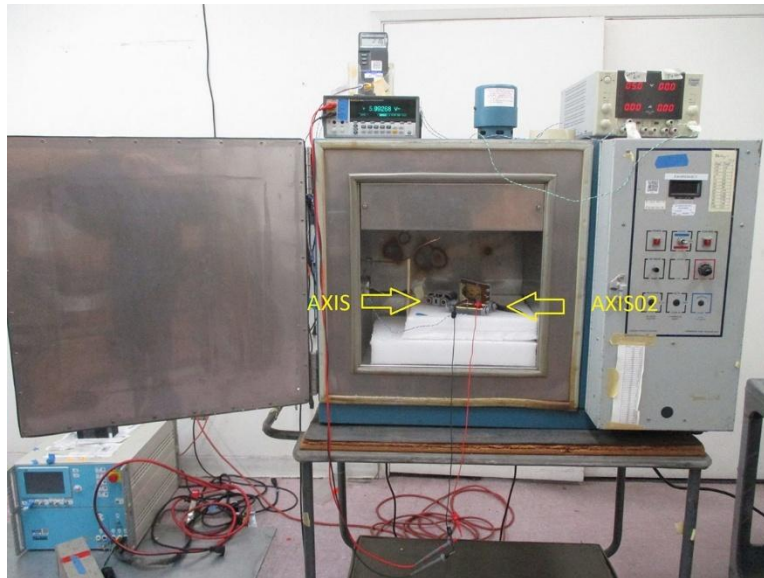
		Projected OATS reading at extreme condition	
		Fl at limit	Fh at limit
		1427.3	1431.8
Temp (C)	Voltage		
-30	3	1427.30000	1431.79970
-20	3	1427.29930	1431.79940
-10	3	1427.29980	1431.79970
0	3	1427.29980	1431.79970
10	3	1427.30000	1431.79970
20	3	1427.30000	1431.80000
30	3	1427.30000	1431.79980
40	3	1427.30000	1431.80000
50	3	1427.29970	1431.80000
		FL min	FH max
		1427.29930	1431.80000

Voltage Variations Full Battery- End point)			
Temp (C)	Voltage		
20	1.5	1427.30000	1431.80000
20	3.0	1427.30000	1431.80000

	FL min	FH max
	1427.30000	1431.80000
Designated band	1427	1432.00000

Manufacturers of wireless medical telemetry devices are responsible for ensuring frequency accuracy such that all emissions are maintained within the designated bands of operation under all of the manufacturer's specified conditions.

Test Setup Photo(s)



Temperature Test 1



Temperature Test 2

Supplemental Information

Measurement Uncertainty

Uncertainty Value	Parameter
5.77 dB	Radiated Emissions
0.673 dB	RF Conducted Measurements
5.77×10^{-10}	Frequency Deviation
0.00005 s	Time Deviation
3.18 dB	Mains Conducted Emissions

Uncertainties reported are worst case for all CKC Laboratories' sites and represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of $k=2$. Compliance is deemed to occur provided measurements are below the specified limits.

Emissions Test Details

TESTING PARAMETERS

Unless otherwise indicated, the following configuration parameters are used for equipment setup: The cables were routed consistent with the typical application by varying the configuration of the test sample. Interface cables were connected to the available ports of the test unit. The effect of varying the position of the cables was investigated to find the configuration that produced maximum emissions. Cables were of the type and length specified in the individual requirements. The length of cable that produced maximum emissions was selected.

The equipment under test (EUT) was set up in a manner that represented its normal use, as shown in the setup photographs. Any special conditions required for the EUT to operate normally are identified in the comments that accompany the emissions tables.

The emissions data was taken with a spectrum analyzer or receiver. Incorporating the applicable correction factors for distance, antenna, cable loss and amplifier gain, the data was reduced as shown in the table below. The corrected data was then compared to the applicable emission limits. Preliminary and final measurements were taken in order to ensure that all emissions from the EUT were found and maximized.

CORRECTION FACTORS

The basic spectrum analyzer reading was converted using correction factors as shown in the highest emissions readings in the tables. For radiated emissions in $\text{dB}\mu\text{V}/\text{m}$, the spectrum analyzer reading in $\text{dB}\mu\text{V}$ was corrected by using the following formula. This reading was then compared to the applicable specification limit. Individual measurements were compared with the displayed limit value in the margin column. The margin was calculated based on subtracting the limit value from the corrected measurement value; a positive margin represents a measurement exceeding the limit, while a negative margin represents a measurement less than the limit.

SAMPLE CALCULATIONS		
	Meter reading	($\text{dB}\mu\text{V}$)
+	Antenna Factor	(dB/m)
+	Cable Loss	(dB)
-	Distance Correction	(dB)
-	Preamplifier Gain	(dB)
=	Corrected Reading	($\text{dB}\mu\text{V}/\text{m}$)

TEST INSTRUMENTATION AND ANALYZER SETTINGS

The test instrumentation and equipment listed were used to collect the emissions data. A spectrum analyzer or receiver was used for all measurements. Unless otherwise specified, the following table shows the measuring equipment bandwidth settings that were used in designated frequency bands. For testing emissions, an appropriate reference level and a vertical scale size of 10 dB per division were used.

MEASURING EQUIPMENT BANDWIDTH SETTINGS PER FREQUENCY RANGE			
TEST	BEGINNING FREQUENCY	ENDING FREQUENCY	BANDWIDTH SETTING
CONDUCTED EMISSIONS	150 kHz	30 MHz	9 kHz
RADIATED EMISSIONS	9 kHz	150 kHz	200 Hz
RADIATED EMISSIONS	150 kHz	30 MHz	9 kHz
RADIATED EMISSIONS	30 MHz	1000 MHz	120 kHz
RADIATED EMISSIONS	1000 MHz	>1 GHz	1 MHz

SPECTRUM ANALYZER/RECEIVER DETECTOR FUNCTIONS

The notes that accompany the measurements contained in the emissions tables indicate the type of detector function used to obtain the given readings. Unless otherwise noted, all readings were made in the "positive peak" detector mode. Whenever a "quasi-peak" or "average" reading was recorded, the measurement was annotated with a "QP" or an "Ave" on the appropriate rows of the data sheets. In cases where quasi-peak or average limits were employed and data exists for multiple measurement types for the same frequency then the peak measurement was retained in the report for reference, however the numbering for the affected row was removed and an arrow or caret ("^") was placed in the far left-hand column indicating that the row above takes precedence for comparison to the limit. The following paragraphs describe in more detail the detector functions and when they were used to obtain the emissions data.

Peak

In this mode, the spectrum analyzer or receiver recorded all emissions at their peak value as the frequency band selected was scanned. By combining this function with another feature called "peak hold," the measurement device had the ability to measure intermittent or low duty cycle transient emission peak levels. In this mode the measuring device made a slow scan across the frequency band selected and measured the peak emission value found at each frequency across the band.

Quasi-Peak

Quasi-peak measurements were taken using the quasi-peak detector when the true peak values exceeded or were within 2 dB of a quasi-peak specification limit. Additional QP measurements may have been taken at the discretion of the operator.

Average

Average measurements were taken using the average detector when the true peak values exceeded or were within 2 dB of an average specification limit. Additional average measurements may have been taken at the discretion of the operator. If the specification or test procedure requires trace averaging, then the averaging was performed using 100 samples or as required by the specification. All other average measurements are performed using video bandwidth averaging. To make these measurements, the test engineer reduces the video bandwidth on the measuring device until the modulation of the signal is filtered out. At this point, the measuring device is set into the linear mode and the scan time is reduced.

End of Report