

Life Sensing Instruments, Inc.

REVISED EMC TEST REPORT TO 111601-6

Bedside Monitor Transmitter
Model: BMT

Tested to The Following Standards:

SpecLimit:
FCC PART 95 SUBPART H

Report No.: 111601-6A

Date of issue: February 26, 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.

TABLE OF CONTENTS

Administrative Information	3
Test Report Information	3
Revision History	3
Report Authorization	3
Test Facility Information	4
Software Versions	4
Site Registration & Accreditation Information	4
Summary of Results	5
Standard / Specification: FCC Part 95 Subpart H	5
Modifications During Testing	5
Conditions During Testing	5
Equipment Under Test (EUT)	6
General Product Information:	7
FCC Part 95 SUBPART H	14
95.2369 WMTS Field Strength Limits	14
2.1049 20dB Occupied Bandwidth	22
95.2379(a)/95.2379(b) Unwanted Emissions Limits	27
95.2365 WMTS Frequency Accuracy	56
Supplemental Information	61
Measurement Uncertainty	61
Emissions Test Details	61

Administrative Information

Test Report Information

REPORT PREPARED FOR:

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Representatives:

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Customer Reference Number: 7132

REPORT PREPARED BY:

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Project Number: 111601

DATE OF EQUIPMENT RECEIPT:

September 15, 2025

DATE(S) OF TESTING:

September 16, 17, 18, 19, and 25, 2025
and February 3, 2026

Revision History

Original: Testing of the Bedside Monitor Transmitter, Model: BMT to SpecLimit: FCC PART 95 SUBPART H.

Revision A: To update test dates, Summary of Results table, Unwanted Emissions Limits, and WMTS Frequency Accuracy data.

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 Olinda Place
Brea, CA 92823

Software Versions

CKC Laboratories Proprietary Software	Version
EMITest Emissions	5.03.20
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	Mod. #1	Pass
2.1049	Occupied Bandwidth	NA	Pass
95.2379(a) 95.2379(b)	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

Mod. #1: Test Procedure: 95.2369

The transmit output power setting was reduced by two less than the setting for maximum output power.

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 2

Equipment Tested:

Device	Manufacturer	Model #	S/N
Bedside Monitor Transmitter	Life Sensing Instruments, Inc.	BMT	1004

Support Equipment:

Device	Manufacturer	Model #	S/N
DC Power Supply	Topward	6306D	988614

Configuration 3

Equipment Tested:

Device	Manufacturer	Model #	S/N
Bedside Monitor Transmitter	Life Sensing Instruments, Inc.	BMT	1003

Support Equipment:

Device	Manufacturer	Model #	S/N
DC Power Supply	Siglent	SPD3303X	SPD3XHBD1R4669

General Product Information:

Description of EUT	
Bedside Monitor	
Product Information	Manufacturer-Provided Details
Operating Frequencies Tested:	608.375MHz, 613.625MHz, 1395.450MHz, 1399.350MHz, 1427.375MHz, 1431.575MHz
Equipment Type:	Stand-Alone Equipment
Type of Wideband System:	DTS
Maximum Duty Cycle:	49%
Modulation Type(s):	4GFSK
Number of TX Chains:	1
Beamforming Type:	N/A
Antenna Type(s) and Gain:	Whip antenna monopole / 3dBi
Antenna Connection Type:	External Connector
Nominal Input Voltage:	5VDC
Firmware / Software Version(s):	Revision 13
Firmware / Software Description:	BMT Firmware
Firmware / Software Setting(s):	N/A
Tune-up or Adjustment(s):	SI4464_PowerLvl (SI4464_PowerRamp(32));
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)



EUT; Overall



EUT; Side 1



EUT; Side 2



EUT; Side 3



EUT; Side 4



EUT; Side 5



EUT; Side 6

Support Equipment Photo(s)



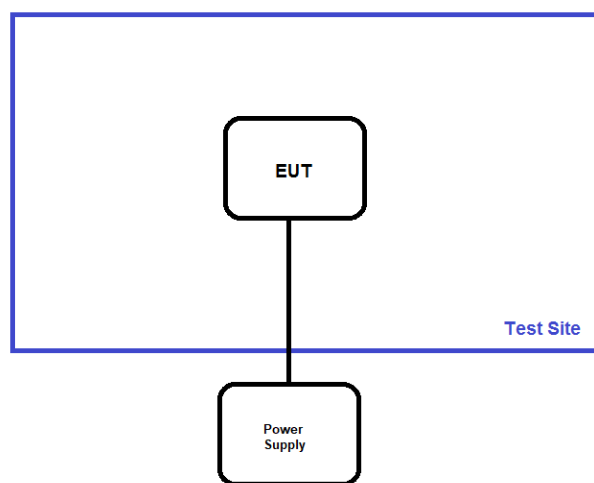
Power Supply

Block Diagram(s) of Test Setup

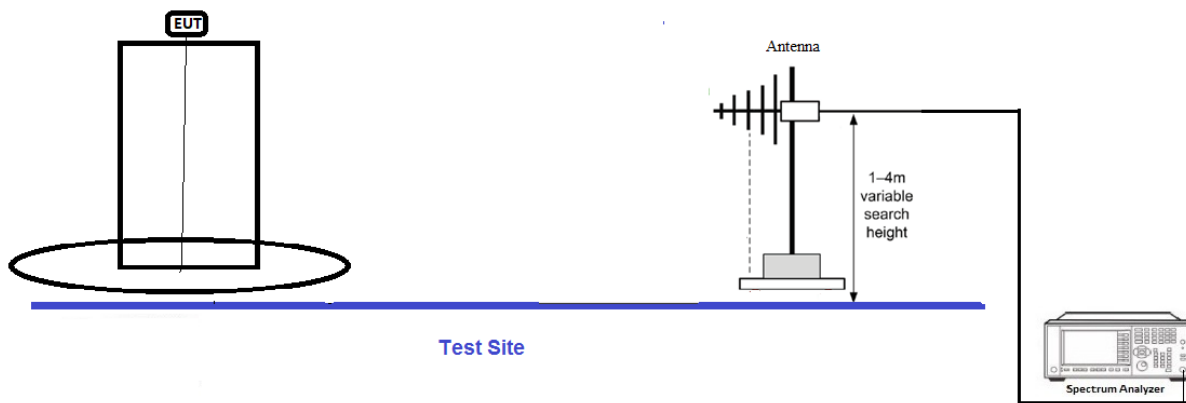
Config#	Setup Description of Block Diagram
Generic Block Diagram EUT	General EUT and support equipment setup
Generic Block Diagram	General setup for radiated emissions testing on OATS

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	Test Engineer:	S. Yamamoto
Test Method:	ANSI C63.26 (2015)	Test Date(s):	9/16/2025, 9/17/2025, and 9/18/2025
Configuration:	2		
Test Setup:	The equipment under test (EUT) is placed stand alone on the Styrofoam tabletop. The EUT is powered from an external 5VDC power supply which is placed beneath the table. The EUT is setup to transmit on the lowest and highest channels within each of its three transmit bands. Modification #1 was in place during testing.		

Environmental Conditions			
Temperature (°C)	24	Relative Humidity (%):	55

Test Equipment					
Asset#	Description	Manufacturer	Model	Cal Date	Cal Due
03834	Spectrum Analyzer	Agilent	E4448A	11/8/2023	11/8/2025
P07138	Cable	Andrew	ANDL1-PNMNM-60	11/2/2023	11/2/2025
00849	Horn Antenna	ETS	3115	5/2/2025	5/2/2027
P07629	Cable	Huber Suhner	Sucoflex 104	5/3/2024	5/3/2026
00786	Preamplifier	HP	83017A	2/4/2025	2/4/2026
P05198	Cable	Belden	8268	1/10/2025	1/10/2027
03850	Biconilog Antenna	ETS-Lindgren	3142E	5/23/2024	5/23/2026

Test Data Summary - Radiated Measurement					
Frequency (MHz)	Modulation	Ant. Type / Gain (dBi)	(mV/m)		Results
			Measured	Limit	
608.375	4GFSK	Monopole / 3dBi	146.2	≤200	Pass
613.625	4GFSK	Monopole / 3dBi	149.6	≤200	Pass
1395.450	4GFSK	Monopole / 3dBi	91.2	≤740	Pass
1399.350	4GFSK	Monopole / 3dBi	93.3	≤740	Pass
1427.375	4GFSK	Monopole / 3dBi	92.3	≤740	Pass
1431.575	4GFSK	Monopole / 3dBi	128.8	≤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 #: **111601** Date: 9/16/2025
 Test Type: **Radiated Scan** Time: 14:33:46
 Tested By: S. Yamamoto Sequence#: 6
 Software: EMITest 5.03.20

Equipment Tested:

Device	Manufacturer	Model #	S/N
Configuration 2			

Support Equipment:

Device	Manufacturer	Model #	S/N
Configuration 2			

Test Conditions / Notes:

The equipment under test (EUT) is placed stand alone on the Styrofoam tabletop. The EUT is powered from an external 5VDC power supply which is placed beneath the table.

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

Low channel 608.375MHz

High channel 613.625MHz

The EUT is only installed in one orientation and was tested in this manner.

Data listed represents worse case readings.

Site A

Test Environment Conditions:

Temperature: 24°C

Humidity: 55%

Pressure: 99kPa

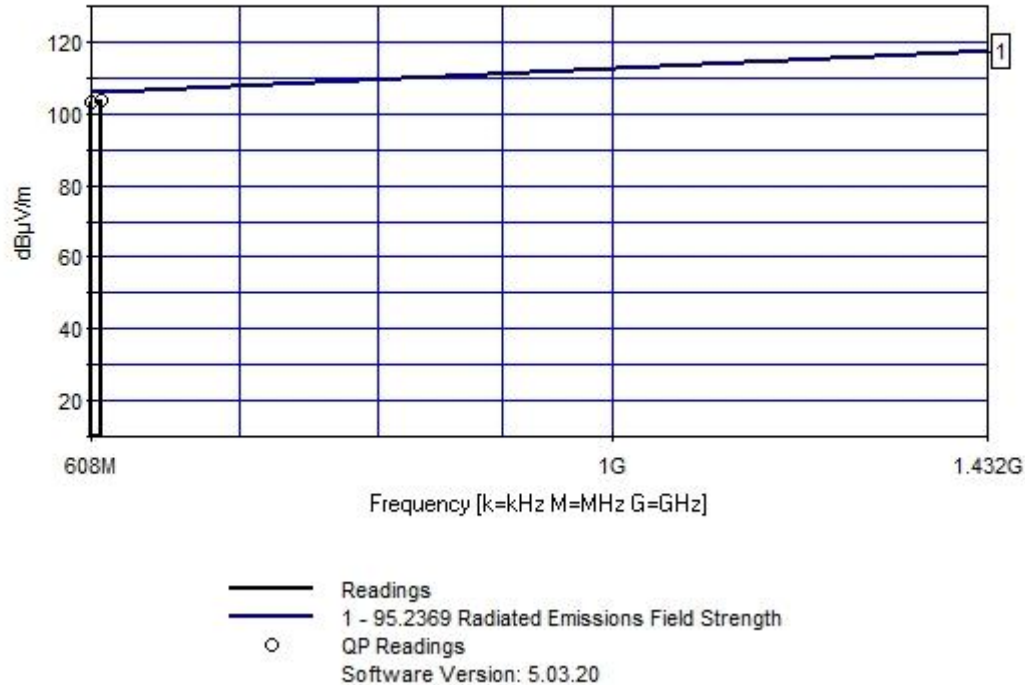
Test method ANSI C63.26 (2015)

Voltage to the external DC power supply is 120VAC 60Hz

RBW=120kHz

VBW=360kHz

Life Sensing Instruments, Inc. WO#: 111601 Sequence#: 6 Date: 9/16/2025
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	5/6/2024	5/6/2026
T1	ANP05198	Cable-Amplitude +15C to +45C (dB)	RG214/U	1/10/2025	1/10/2027
T2	AN03850	Biconilog Antenna	3142E	5/23/2024	5/23/2026

Measurement Data: Reading listed by order taken. Test Distance: 3 Meters

#	Freq MHz	Rdng dBμV	T1 dB	T2 dB			Dist Table	Corr dBμV/m	Spec dBμV/m	Margin dB	Polar Ant
1	608.375M	72.2	+4.7	+26.6			+0.0	103.5	106.0	-2.5	Horiz
2	608.375M	72.0	+4.7	+26.6			+0.0	103.3	106.0	-2.7	Horiz
	QP										
3	613.625M	72.1	+4.8	+26.7			+0.0	103.6	106.0	-2.4	Horiz
4	613.625M	72.0	+4.8	+26.7			+0.0	103.5	106.0	-2.5	Horiz
	QP										

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 #: **111601** Date: 9/17/2025
 Test Type: **Radiated Scan** Time: 16:32:44
 Tested By: S. Yamamoto Sequence#: 6
 Software: EMITest 5.03.20

Equipment Tested:

Device	Manufacturer	Model #	S/N
Configuration 2			

Support Equipment:

Device	Manufacturer	Model #	S/N
Configuration 2			

Test Conditions / Notes:

The equipment under test (EUT) is placed stand alone on the Styrofoam tabletop. The EUT is powered from an external 5VDC power supply which is placed beneath the table.

The EUT is setup to transmit on the lowest and highest channels within the 1395MHz to 1400MHz band.
 Low channel 1395.450MHz
 High channel 1399.350MHz

The EUT is only installed in one orientation and was tested in this manner.
 Data listed represents worse case readings.

Site A

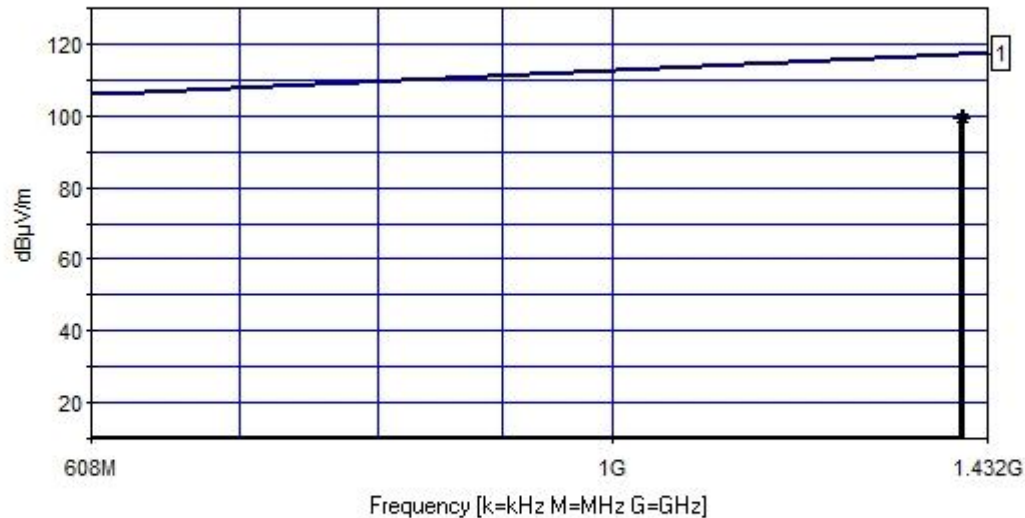
Test Environment Conditions:
 Temperature: 24°C
 Humidity: 55%
 Pressure: 99kPa

Test method ANSI C63.26 (2015)

Voltage to the external DC power supply is 120VAC 60Hz

RBW=1MHz
 VBW=3MHz

Life Sensing Instruments, Inc. WO#: 111601 Sequence#: 6 Date: 9/17/2025
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	5/6/2024	5/6/2026
T1	ANP07138	Cable	ANDL1-PNMNM-60	11/2/2023	11/2/2025
T2	AN00849	Horn Antenna	3115	5/2/2025	5/2/2027
T3	ANP07629	Cable	Sucoflex 104	5/3/2024	5/3/2026
T4	AN00786	Preamp	83017A	2/4/2025	2/4/2026

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	1399.350M	110.0	+2.9	+25.5	+0.3	-39.3	+0.0	99.4	117.4	-18.0	Horiz
Ave											
^	1399.350M	116.4	+2.9	+25.5	+0.3	-39.3	+0.0	105.8	117.4	-11.6	Horiz
3	1395.450M	109.8	+2.9	+25.5	+0.3	-39.3	+0.0	99.2	117.4	-18.2	Horiz
Ave											
^	1395.450M	115.2	+2.9	+25.5	+0.3	-39.3	+0.0	104.6	117.4	-12.8	Horiz

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 #: **111601** Date: 9/18/2025
 Test Type: **Radiated Scan** Time: 10:31:36
 Tested By: S. Yamamoto Sequence#: 10
 Software: EMITest 5.03.20

Equipment Tested:

Device	Manufacturer	Model #	S/N
Configuration 2			

Support Equipment:

Device	Manufacturer	Model #	S/N
Configuration 2			

Test Conditions / Notes:

The equipment under test (EUT) is placed stand alone on the Styrofoam tabletop. The EUT is powered from an external 5VDC power supply which is placed beneath the table.

The EUT is setup to transmit on the lowest and highest channels within the 1427MHz to 1432MHz band.

Low channel 1427.375MHz

High channel 1431.575MHz

The EUT is only installed in one orientation and was tested in this manner.

Data listed represents worse case readings.

Site A

Test Environment Conditions:

Temperature: 24°C

Humidity: 55%

Pressure: 99kPa

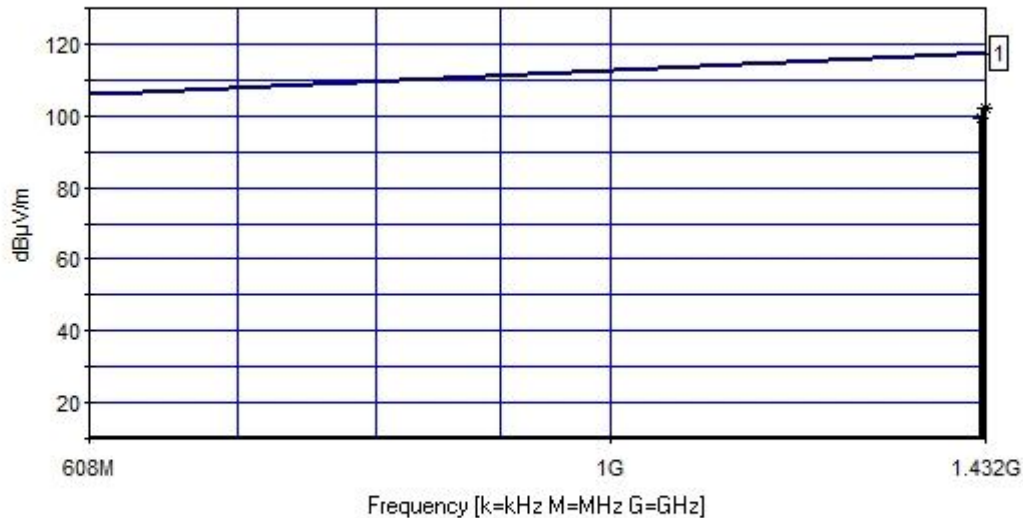
Test method ANSI C63.26 (2015)

Voltage to the external DC power supply is 120VAC 60Hz

RBW=1MHz

VBW=3MHz

Life Sensing Instruments, Inc. WO#: 111601 Sequence#: 10 Date: 9/18/2025
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	5/6/2024	5/6/2026
T1	ANP07138	Cable	ANDL1-PNMNM-60	11/2/2023	11/2/2025
T2	AN00849	Horn Antenna	3115	5/2/2025	5/2/2027
T3	ANP07629	Cable	Sucoflex 104	5/3/2024	5/3/2026
T4	AN00786	Preamp	83017A	2/4/2025	2/4/2026

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	1431.575M	112.8	+2.9	+25.4	+0.3	-39.2	+0.0	102.2	117.4	-15.2	Horiz
Ave	^ 1431.575M	115.1	+2.9	+25.4	+0.3	-39.2	+0.0	104.5	117.4	-12.9	Horiz
3	1427.375M	109.9	+2.9	+25.4	+0.3	-39.2	+0.0	99.3	117.4	-18.1	Horiz
Ave	^ 1427.375M	114.9	+2.9	+25.4	+0.3	-39.2	+0.0	104.3	117.4	-13.1	Horiz

Test Setup Photo(s)



Below 1GHz



Above 1GHz

2.1049 20dB Occupied Bandwidth

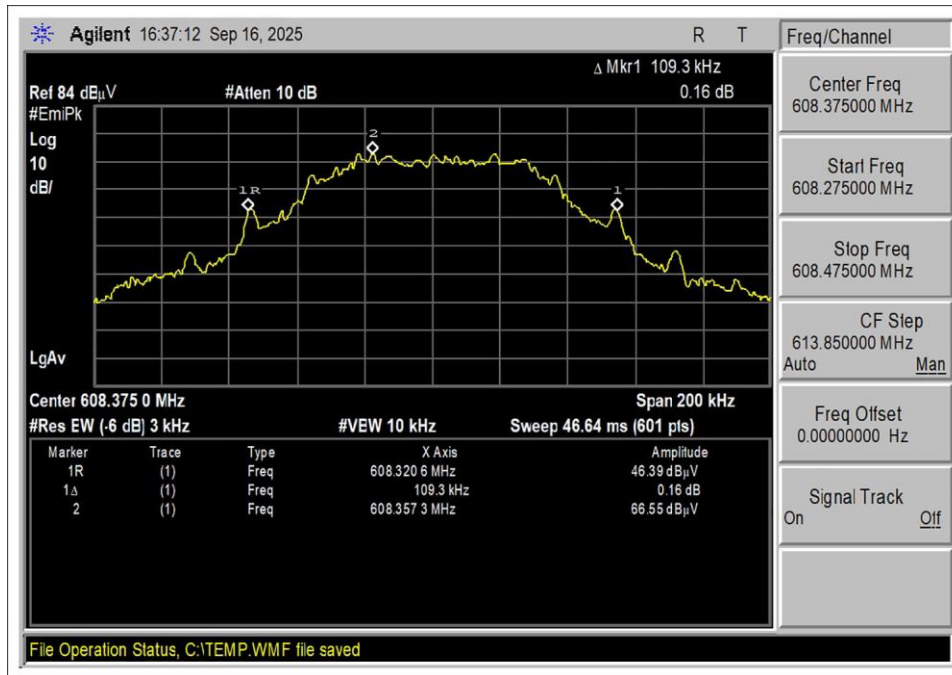
Test Setup/Conditions			
Test Location:	Brea Lab A	Test Engineer:	S. Yamamoto
Test Method:	ANSI C63.26 (2015)	Test Date(s):	9/18/2025
Configuration:	2		
Test Setup:	The equipment under test (EUT) is placed stand alone on the Styrofoam tabletop. The EUT is powered from an external 5VDC power supply which is placed beneath the table. The EUT is setup to transmit on the lowest and highest channels within each of its three transmit bands.		

Environmental Conditions			
Temperature (°C)	24	Relative Humidity (%):	55

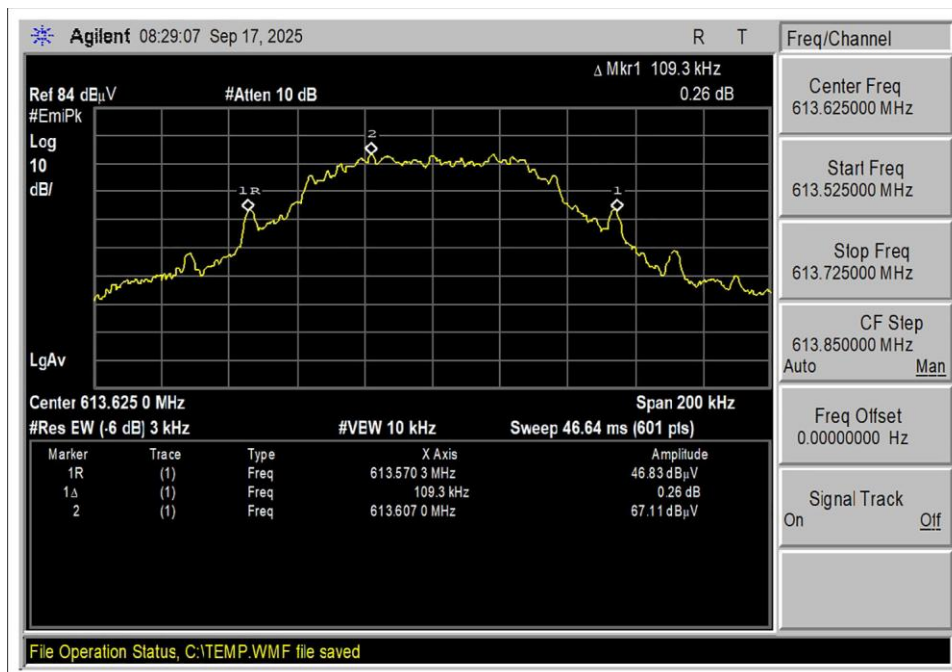
Test Equipment					
Asset#	Description	Manufacturer	Model	Cal Date	Cal Due
03834	Spectrum Analyzer	Agilent	E4448A	11/8/2023	11/8/2025
P07138	Cable	Andrew	ANDL1-PNMNM-60	11/2/2023	11/2/2025
00849	Horn Antenna	ETS	3115	5/2/2025	5/2/2027
P05198	Cable	Belden	8268	1/10/2025	1/10/2027
03850	Biconilog Antenna	ETS-Lindgren	3142E	5/23/2024	5/23/2026

Test Data Summary				
Frequency (MHz)	Modulation	Measured (kHz)	Limit (kHz)	Results
608.375	4GFSK	109.3	N/A	Pass
613.625	4GFSK	109.3	N/A	Pass
1395.450	4GFSK	110.3	N/A	Pass
1399.350	4GFSK	110.3	N/A	Pass
1427.375	4GFSK	110.6	N/A	Pass
1431.575	4GFSK	110.6	N/A	Pass

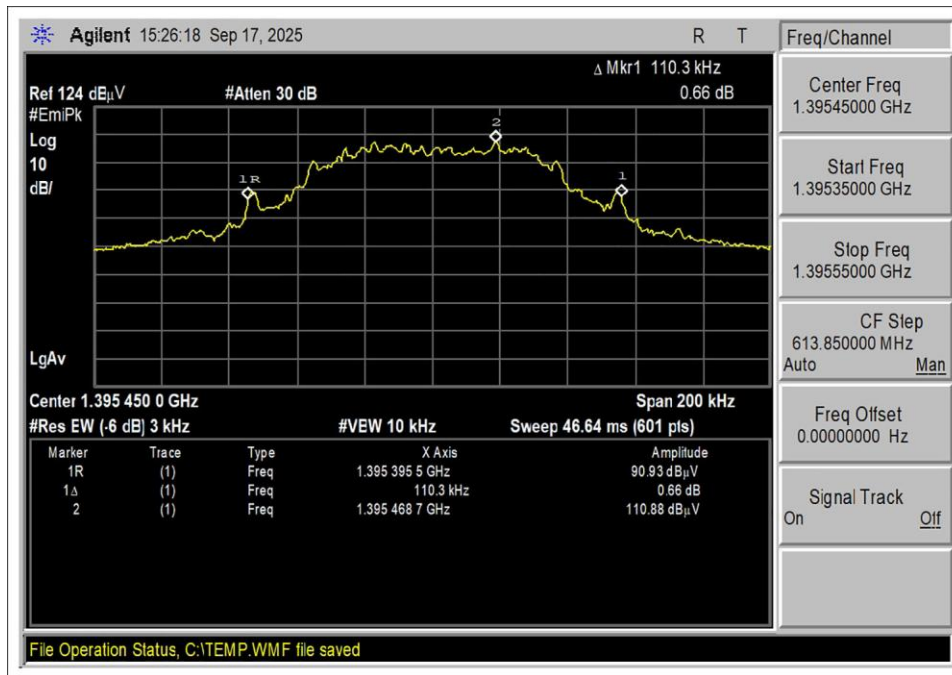
Test Plot(s)



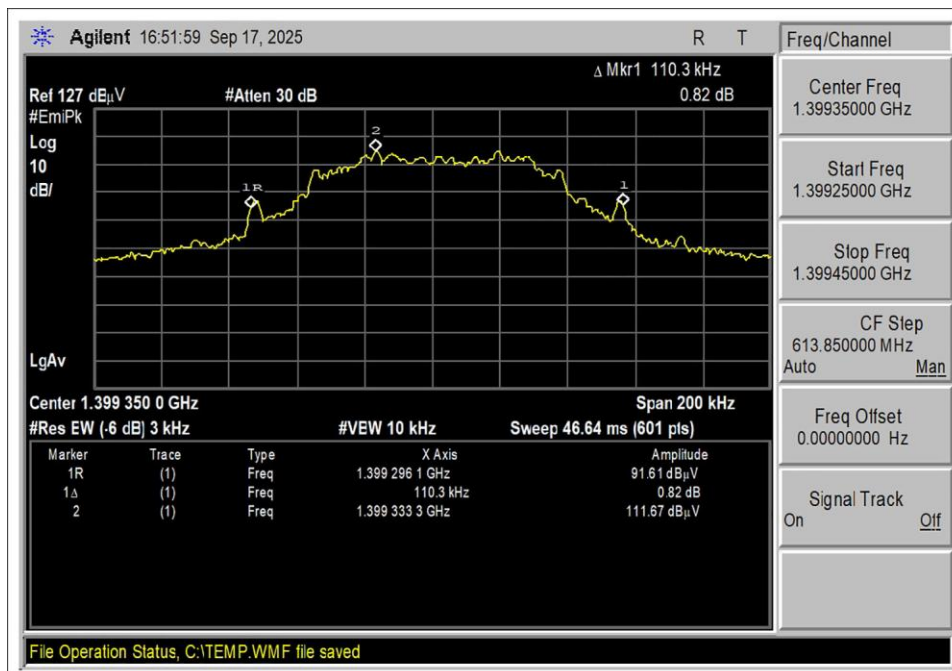
608.375MHz



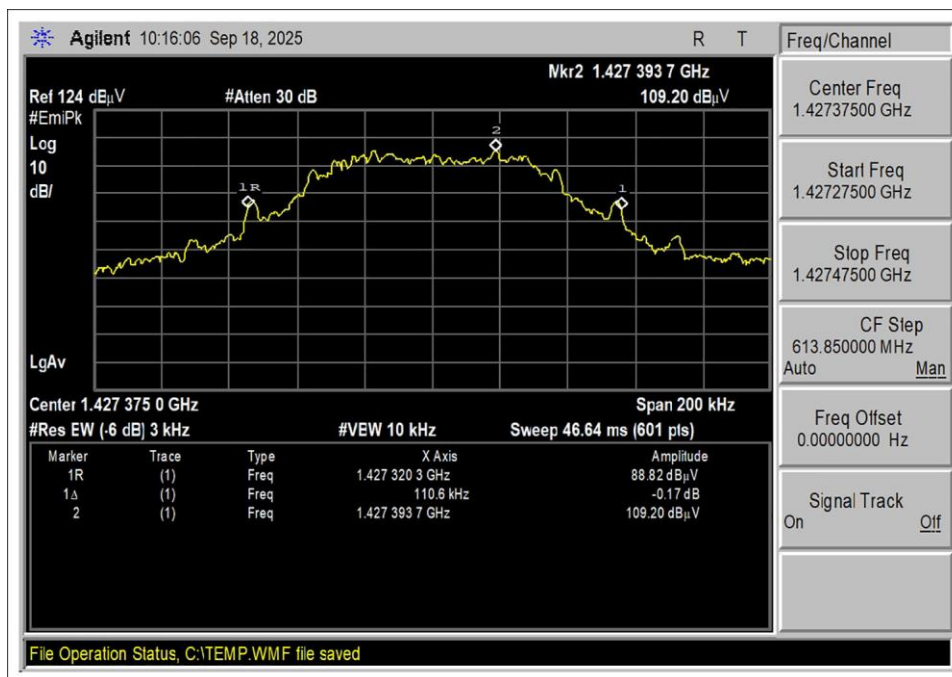
613.625MHz



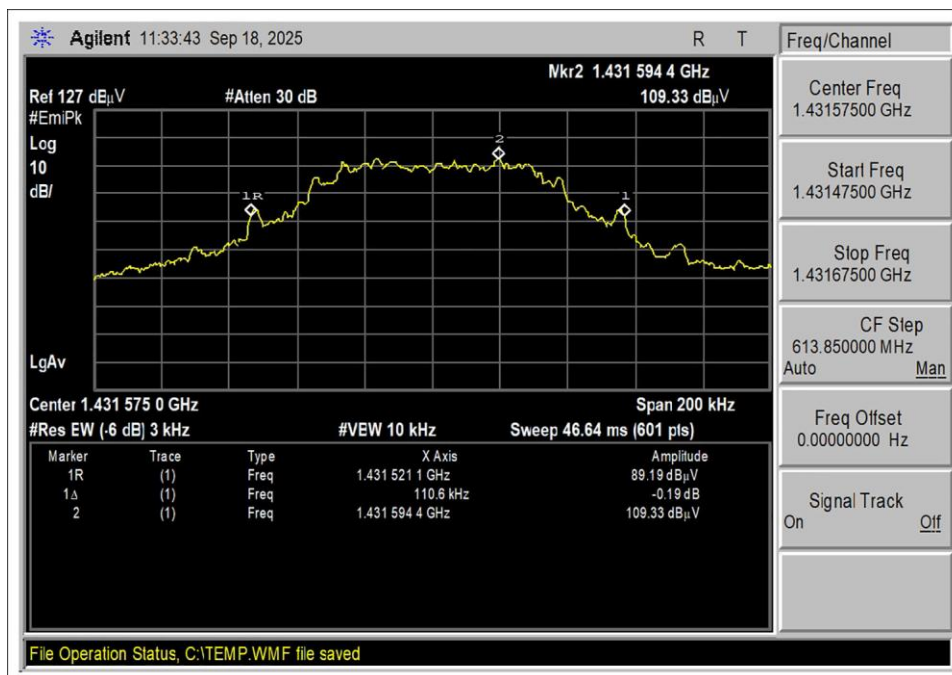
1395.45MHz



1399.35MHz



1427.375MHz



1431.575MHz

Test Setup Photo(s)



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

Test Setup/Conditions			
Test Location:	Brea Lab A	Test Engineer:	S. Yamamoto
Test Method:	ANSI C63.26 (2015)	Test Date(s):	9/16/2025, 9/17/2025, 9/25/2025, 2/3/2026
Configuration:	2		

Environmental Conditions				Date
Temperature (°C)	24	Relative Humidity (%):	55	9/16,17
Temperature (°C)	23	Relative Humidity (%):	53	9/25
Temperature (°C)	22	Relative Humidity (%):	36	2/3

Test Setup / Conditions / 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 #: **111601** Date: 9/25/2025
 Test Type: **Radiated Scan** Time: 20:21:26
 Tested By: S. Yamamoto Sequence#: 13
 Software: EMITest 5.03.20

Equipment Tested:

Device	Manufacturer	Model #	S/N
Configuration 2			

Support Equipment:

Device	Manufacturer	Model #	S/N
Configuration 2			

Test Conditions / Notes:

The equipment under test (EUT) is placed stand alone on the Styrofoam tabletop. The EUT is powered from an external 5VDC power supply which is placed beneath the table. The EUT is also continuously receiving.

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

low channel high band 1427.375MHz.
 high channel high band 1431.575MHz
 high channel middle band 1399.350
 low channel middle band 1395.450
 high channel low band 613.625
 high channel low band 608.375

The EUT is only installed in one orientation and was tested in this manner.
 Data listed represents worse case readings.

Site A

Test Environment Conditions:

Temperature: 23°C
 Humidity: 53%
 Pressure: 99kPa

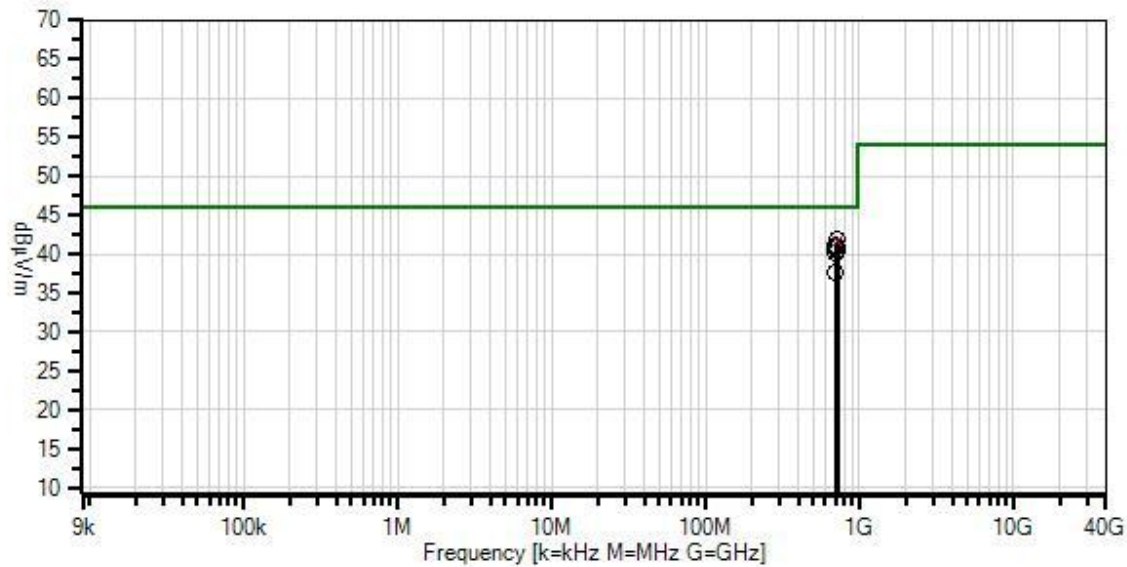
Test Method ANSI C63.26 (2015)

Voltage to the external DC power supply is 120VAC 60Hz

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

30MHz to 1000MHz
 RBW=120kHz
 VBW=360kHz

Life Sensing Instruments, Inc. WO#: 111601 Sequence#: 13 Date: 9/25/2025
95.2379(a)(b) Radiated Emissions 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
	AN02869	Spectrum Analyzer	E4440A	1/23/2025	1/23/2026
T1	ANP06662	Cable	PHASEFLEX EJR01N01024.0	5/3/2024	5/3/2026
T2	AN00309	Preamp	8447D	11/21/2023	11/21/2025
T3	ANP05198	Cable-Amplitude +15C to +45C (dB)	RG214/U	1/10/2025	1/10/2027
T4	AN03850	Biconilog Antenna	3142E	5/23/2024	5/23/2026
	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	715.788M	35.3	+0.2	-27.4	+5.2	+28.7	+0.0	42.0	46.0	-4.0	Horiz
2	713.692M	34.9	+0.2	-27.4	+5.2	+28.7	+0.0	41.6	46.0	-4.4	Horiz
^	713.692M	37.0	+0.2	-27.4	+5.2	+28.7	+0.0	43.7	46.0	-2.3	Horiz
4	699.677M	34.4	+0.2	-27.4	+5.1	+28.9	+0.0	41.2	46.0	-4.8	Vert
5	713.703M	34.2	+0.2	-27.4	+5.2	+28.7	+0.0	40.9	46.0	-5.1	Vert
6	697.721M	34.2	+0.2	-27.4	+5.1	+28.8	+0.0	40.9	46.0	-5.1	Horiz
7	715.801M	33.8	+0.2	-27.4	+5.2	+28.7	+0.0	40.5	46.0	-5.5	Vert
8	699.677M	33.4	+0.2	-27.4	+5.1	+28.9	+0.0	40.2	46.0	-5.8	Horiz
9	697.724M	31.0	+0.2	-27.4	+5.1	+28.8	+0.0	37.7	46.0	-8.3	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 #: **111601** Date: 9/25/2025
 Test Type: **Radiated Scan** Time: 16:18:15
 Tested By: S. Yamamoto Sequence#: 12
 Software: EMITest 5.03.20

Equipment Tested:

Device	Manufacturer	Model #	S/N
Configuration 2			

Support Equipment:

Device	Manufacturer	Model #	S/N
Configuration 2			

Test Conditions / Notes:

The equipment under test (EUT) is placed stand alone on the Styrofoam tabletop. The EUT is powered from an external 5VDC power supply which is placed beneath the table. The EUT is also continuously receiving.

This test is performed with the EUT is setup and transmitting on the following channels:
 low channel high band 1427.375MHz.
 high channel high band 1431.575MHz
 high channel middle band 1399.350
 low channel middle band 1395.450
 high channel low band 613.625
 high channel low band 608.375

The EUT is only installed in one orientation and was tested in this manner.
 Data listed represents worse case readings.

Site A

Test Environment Conditions:
 Temperature: 23°C
 Humidity: 53%
 Pressure: 99kPa

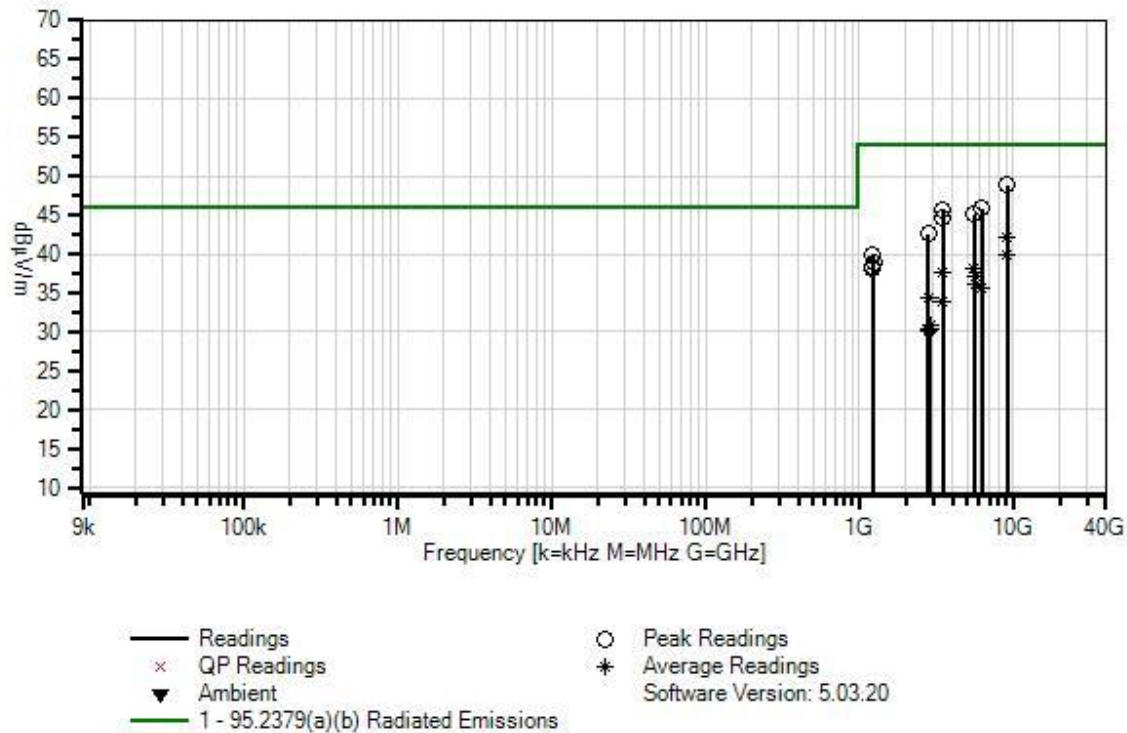
Test Method ANSI C63.26 (2015)

Voltage to the external DC power supply is 120VAC 60Hz

Frequency range of this data sheet is 1000MHz to 14500MHz

RBW=1MHz
 VBW=3MHz

Life Sensing Instruments, Inc. WO#: 111601 Sequence#: 12 Date: 9/25/2025
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	5/6/2024	5/6/2026
T1	ANP07138	Cable	ANDL1- PNMNM-60	11/2/2023	11/2/2025
T2	AN00849	Horn Antenna	3115	5/2/2025	5/2/2027
T3	ANP07629	Cable	Sucoflex 104	5/3/2024	5/3/2026
T4	AN00786	Preamp	83017A	2/4/2025	2/4/2026
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

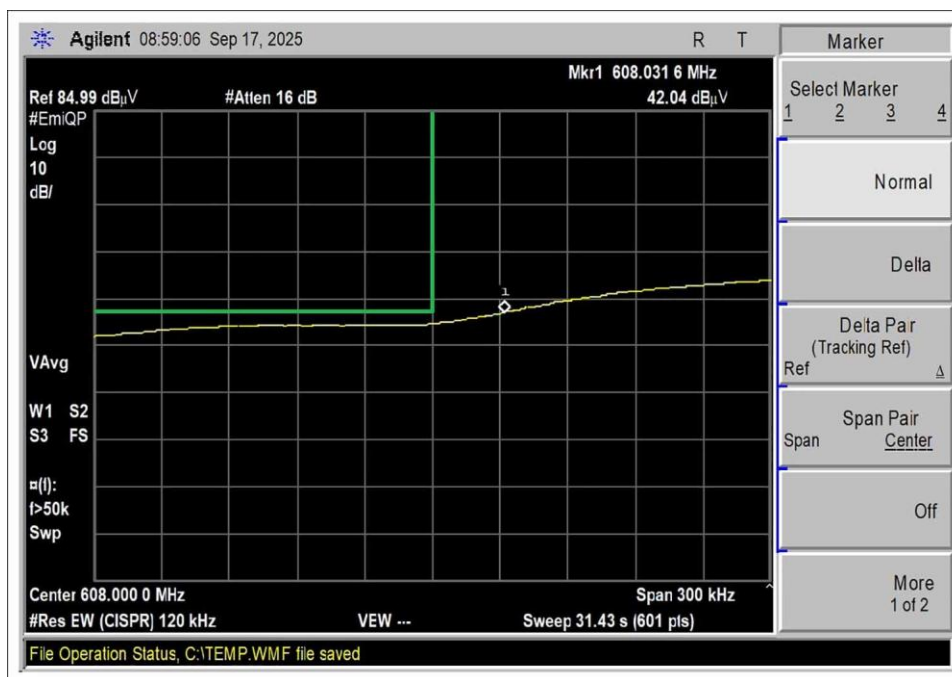
#	Freq MHz	Rdng dBμV	T1 T5 dB	T2 T6 dB	T3 dB	T4 dB	Dist Table	Corr dBμV/m	Spec dBμV/m	Margin dB	Polar Ant
1	9070.418M	39.0	+7.9 +0.2	+37.8 +0.0	+0.9	-36.9	+0.0	48.9	54.0	-5.1	Horiz
2	6279.545M	40.6	+6.8 +0.3	+34.6 +0.0	+0.8	-37.2	+0.0	45.9	54.0	-8.1	Horiz
3	3498.325M	46.5	+4.7 +0.7	+31.3 +0.0	+0.6	-38.2	+0.0	45.6	54.0	-8.4	Vert
4	5581.782M	40.9	+6.4 +0.3	+34.1 +0.0	+0.8	-37.4	+0.0	45.1	54.0	-8.9	Horiz
5	3498.285M	45.6	+4.7 +0.7	+31.3 +0.0	+0.6	-38.2	+0.0	44.7	54.0	-9.3	Horiz
6	2790.890M	41.3	+4.2 +5.4	+29.5 +0.0	+0.6	-38.4	+0.0	42.6	54.0	-11.4	Horiz
7	9070.447M Ave	32.3	+7.9 +0.2	+37.8 +0.0	+0.9	-36.9	+0.0	42.2	54.0	-11.8	Vert
^	9070.447M	43.3	+7.9 +0.2	+37.8 +0.0	+0.9	-36.9	+0.0	53.2	54.0	-0.8	Vert
9	9095.787M Ave	32.2	+7.9 +0.2	+37.8 +0.0	+0.9	-36.9	+0.0	42.1	54.0	-11.9	Vert
^	9095.787M	43.2	+7.9 +0.2	+37.8 +0.0	+0.9	-36.9	+0.0	53.1	54.0	-0.9	Vert
11	9095.780M Ave	30.0	+7.9 +0.2	+37.8 +0.0	+0.9	-36.9	+0.0	39.9	54.0	-14.1	Horiz
^	9095.780M	41.1	+7.9 +0.2	+37.8 +0.0	+0.9	-36.9	+0.0	51.0	54.0	-3.0	Horiz
13	1216.823M	50.7	+2.6 +0.0	+25.4 +0.7	+0.3	-39.8	+0.0	39.9	54.0	-14.1	Horiz
14	1227.238M	49.6	+2.7 +0.0	+25.5 +0.6	+0.3	-39.8	+0.0	38.9	54.0	-15.1	Horiz
15	1227.037M	49.0	+2.7 +0.0	+25.5 +0.6	+0.3	-39.8	+0.0	38.3	54.0	-15.7	Vert
16	5581.800M Ave	34.0	+6.4 +0.3	+34.1 +0.0	+0.8	-37.4	+0.0	38.2	54.0	-15.8	Vert
^	5581.800M	43.6	+6.4 +0.3	+34.1 +0.0	+0.8	-37.4	+0.0	47.8	54.0	-6.2	Vert
18	1216.751M	48.9	+2.6 +0.0	+25.4 +0.7	+0.3	-39.8	+0.0	38.1	54.0	-15.9	Vert
19	3488.624M Ave	38.4	+4.7 +0.7	+31.3 +0.0	+0.6	-38.2	+0.0	37.5	54.0	-16.5	Vert
^	3488.624M	47.7	+4.7 +0.7	+31.3 +0.0	+0.6	-38.2	+0.0	46.8	54.0	-7.2	Vert
21	5597.400M Ave	32.8	+6.4 +0.3	+34.1 +0.0	+0.8	-37.4	+0.0	37.0	54.0	-17.0	Vert
^	5597.400M	39.6	+6.4 +0.3	+34.1 +0.0	+0.8	-37.4	+0.0	43.8	54.0	-10.2	Vert

23	5597.401M Ave	31.8	+6.4 +0.3	+34.1 +0.0	+0.8	-37.4	+0.0	36.0	54.0	-18.0	Horiz
^	5597.401M	42.5	+6.4 +0.3	+34.1 +0.0	+0.8	-37.4	+0.0	46.7	54.0	-7.3	Horiz
25	6279.537M Ave	30.2	+6.8 +0.3	+34.6 +0.0	+0.8	-37.2	+0.0	35.5	54.0	-18.5	Vert
^	6279.537M	42.0	+6.8 +0.3	+34.6 +0.0	+0.8	-37.2	+0.0	47.3	54.0	-6.7	Vert
27	2790.900M Ave	33.0	+4.2 +5.4	+29.5 +0.0	+0.6	-38.4	+0.0	34.3	54.0	-19.7	Vert
^	2790.900M	43.7	+4.2 +5.4	+29.5 +0.0	+0.6	-38.4	+0.0	45.0	54.0	-9.0	Vert
29	3488.618M Ave	34.8	+4.7 +0.7	+31.3 +0.0	+0.6	-38.2	+0.0	33.9	54.0	-20.1	Horiz
^	3488.618M	44.2	+4.7 +0.7	+31.3 +0.0	+0.6	-38.2	+0.0	43.3	54.0	-10.7	Horiz
31	2863.150M Ave	32.8	+4.3 +1.8	+29.7 +0.0	+0.6	-38.4	+0.0	30.8	54.0	-23.2	Vert
^	2863.150M	45.0	+4.3 +1.8	+29.7 +0.0	+0.6	-38.4	+0.0	43.0	54.0	-11.0	Vert
33	2863.150M Ave	32.3	+4.3 +1.8	+29.7 +0.0	+0.6	-38.4	+0.0	30.3	54.0	-23.7	Horiz
^	2863.150M	44.5	+4.3 +1.8	+29.7 +0.0	+0.6	-38.4	+0.0	42.5	54.0	-11.5	Horiz
35	2854.750M Ave	32.1	+4.3 +2.0	+29.7 +0.0	+0.6	-38.4	+0.0	30.3	54.0	-23.7	Vert
^	2854.750M	43.8	+4.3 +2.0	+29.7 +0.0	+0.6	-38.4	+0.0	42.0	54.0	-12.0	Vert
37	2854.750M Ave	31.8	+4.3 +2.0	+29.7 +0.0	+0.6	-38.4	+0.0	30.0	54.0	-24.0	Horiz
^	2854.750M	43.9	+4.3 +2.0	+29.7 +0.0	+0.6	-38.4	+0.0	42.1	54.0	-11.9	Horiz

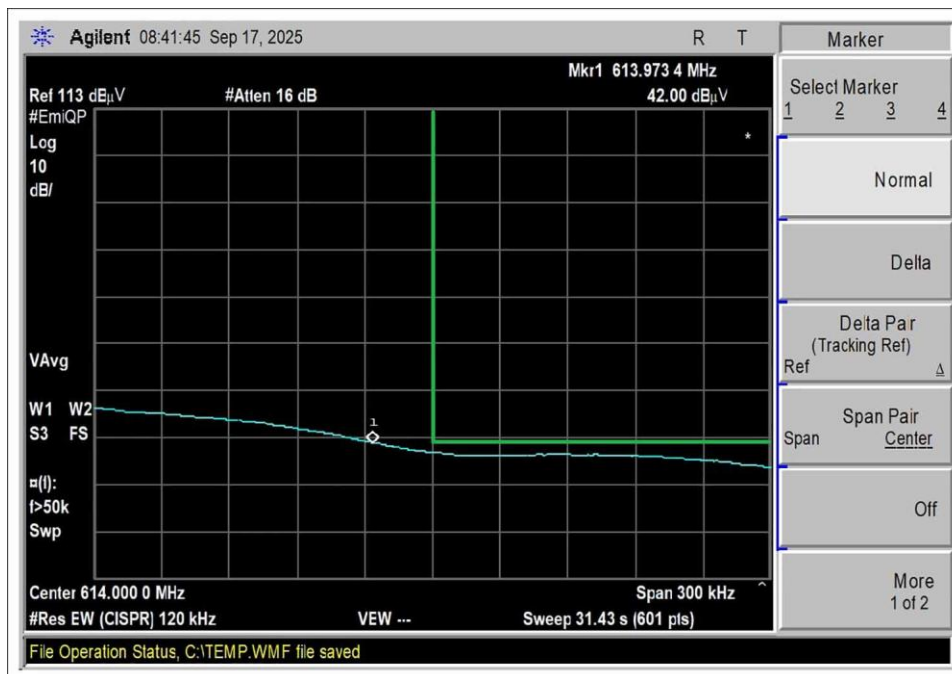
Band Edge

Band Edge Summary					
Frequency (MHz)	Modulation	Ant. Type	Field Strength (dBuV/m @3m)	Limit (dBuV/m @3m)	Results
608.000	4GFSK	Monopole	43.5	<46	Pass
614.000			43.7	<46	Pass
1395.000			47.8	< 54	Pass
1400.000			46.1	<54	Pass
1427.000			49.3	< 54	Pass
1432.000			49.4	<54	Pass

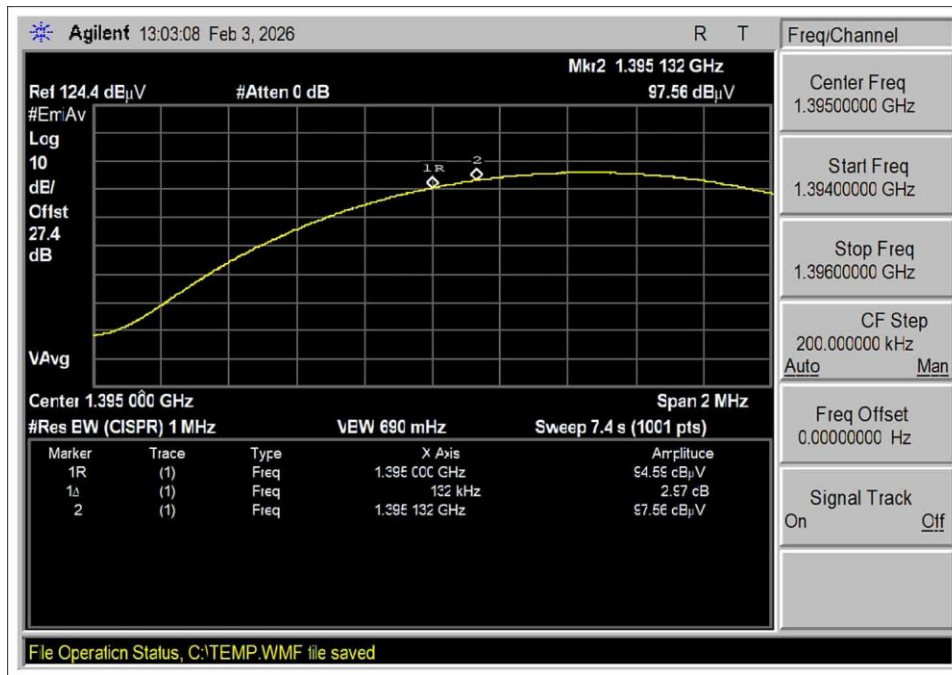
Band Edge Plots



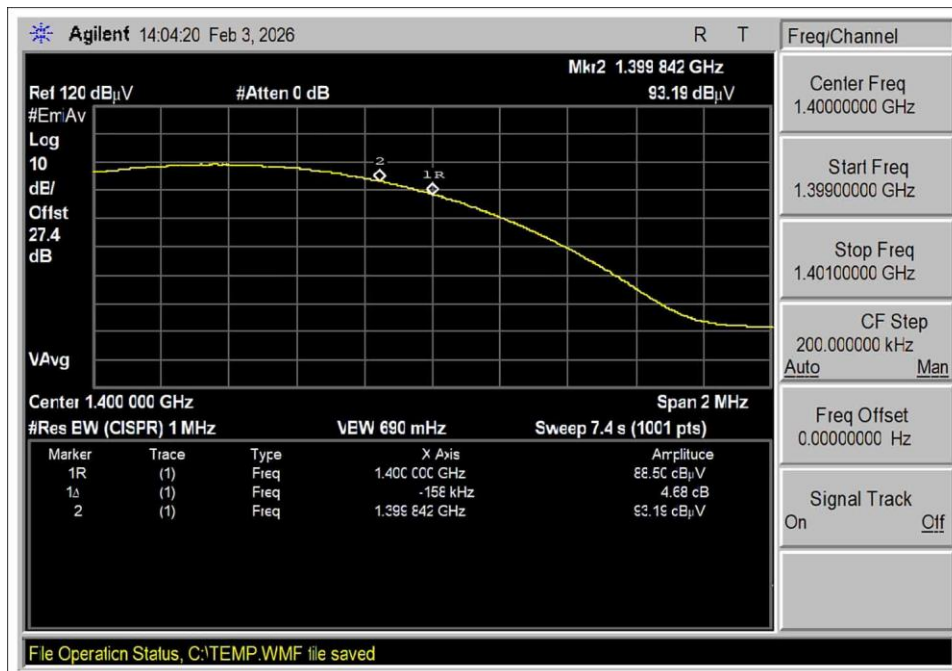
Low Band, Low Channel, FI



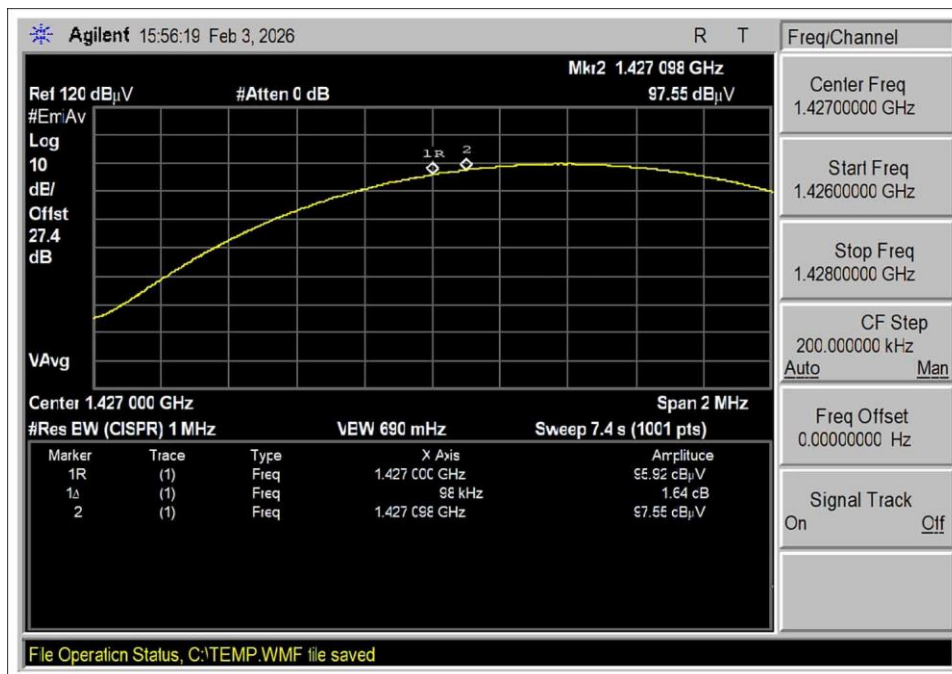
Low Band, High Channel, Fh



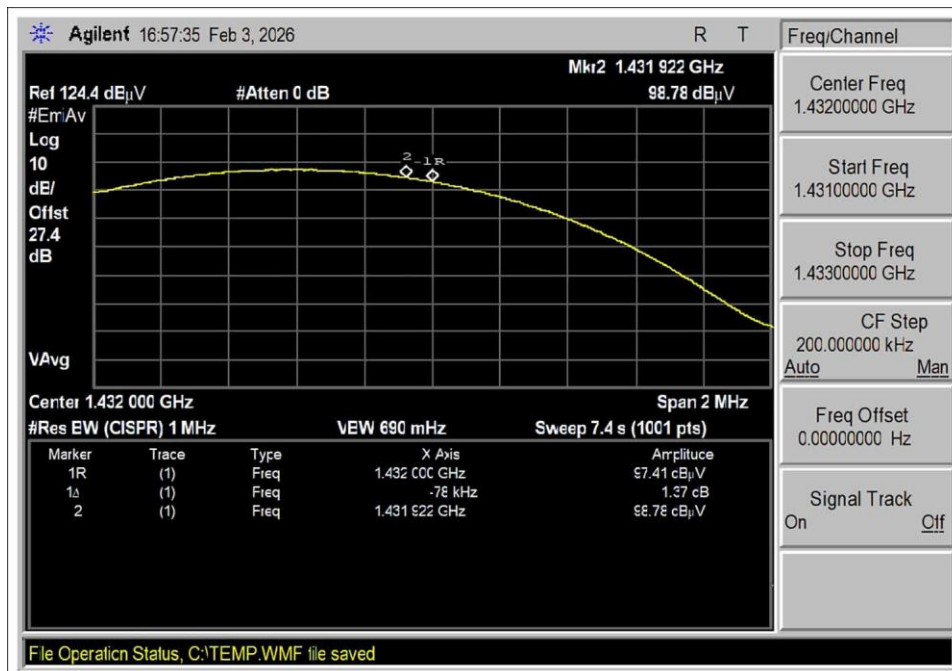
Middle Band, Low Channel, FI



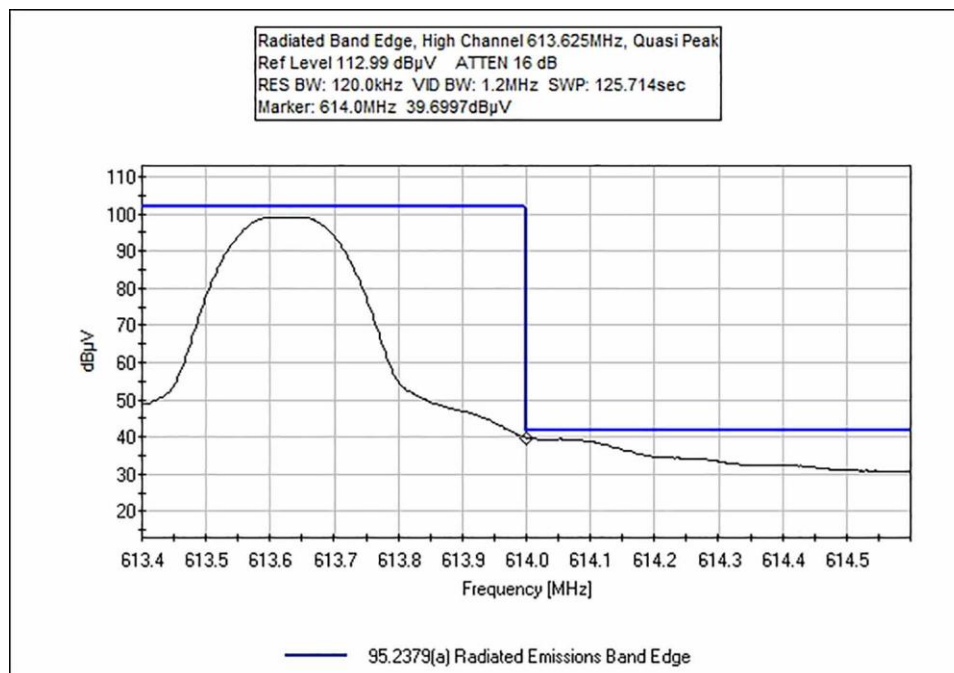
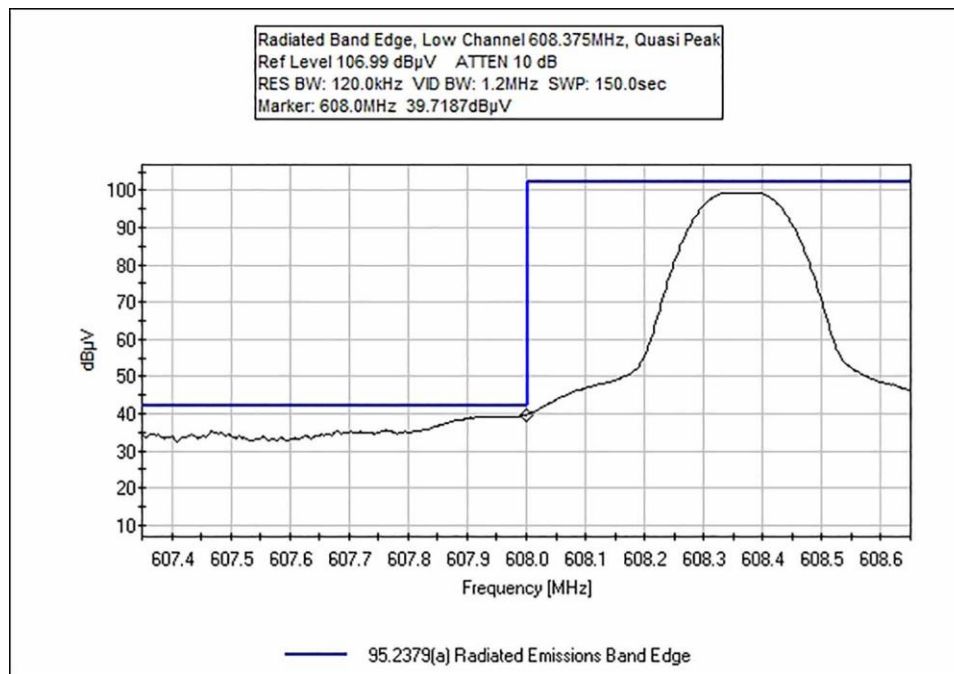
Middle Band, High Channel, Fh

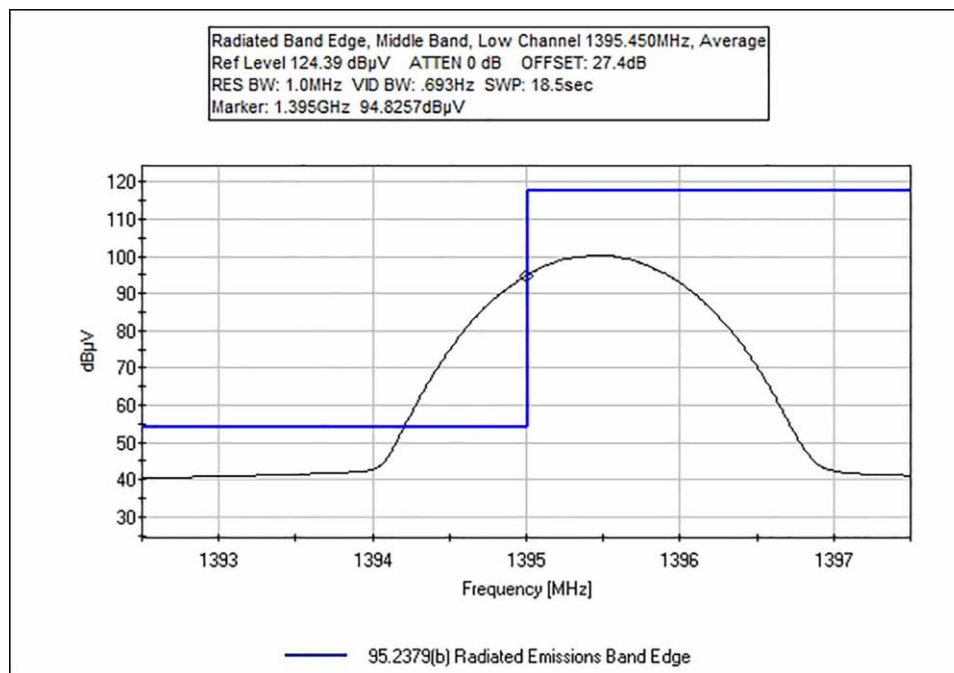
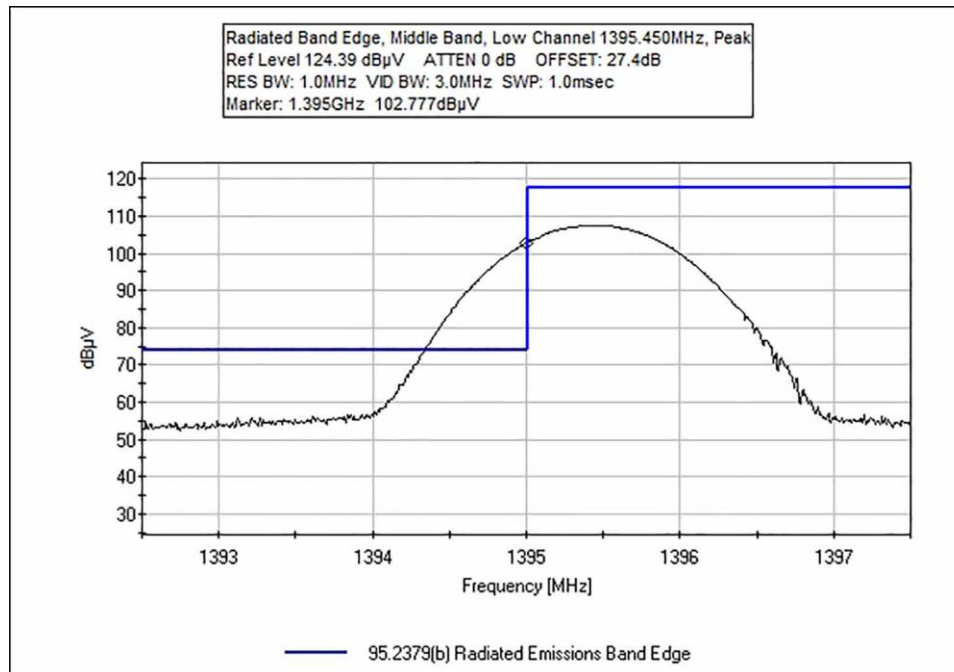


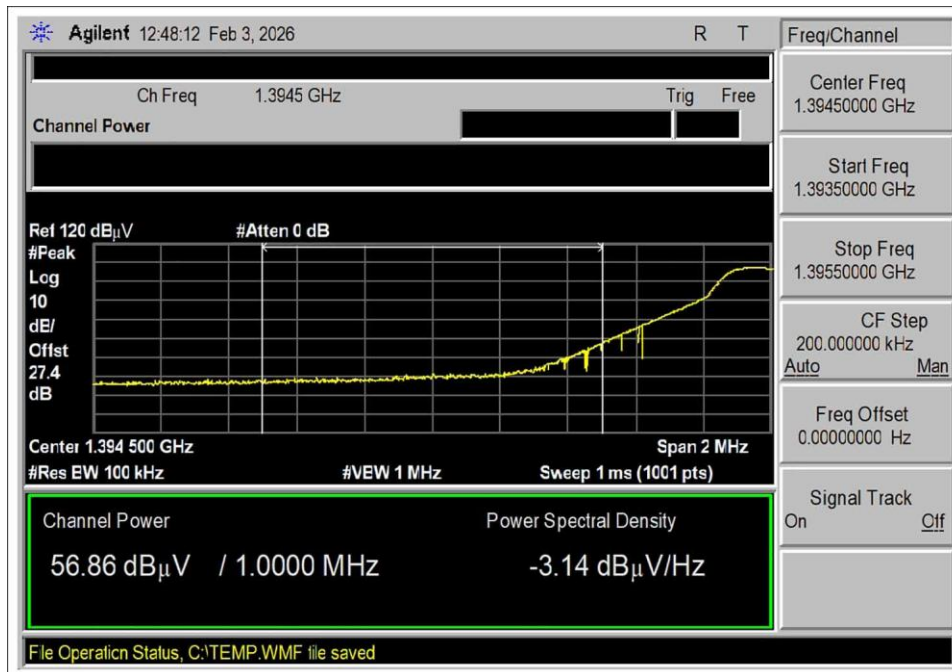
High Band, Low Channel, FI



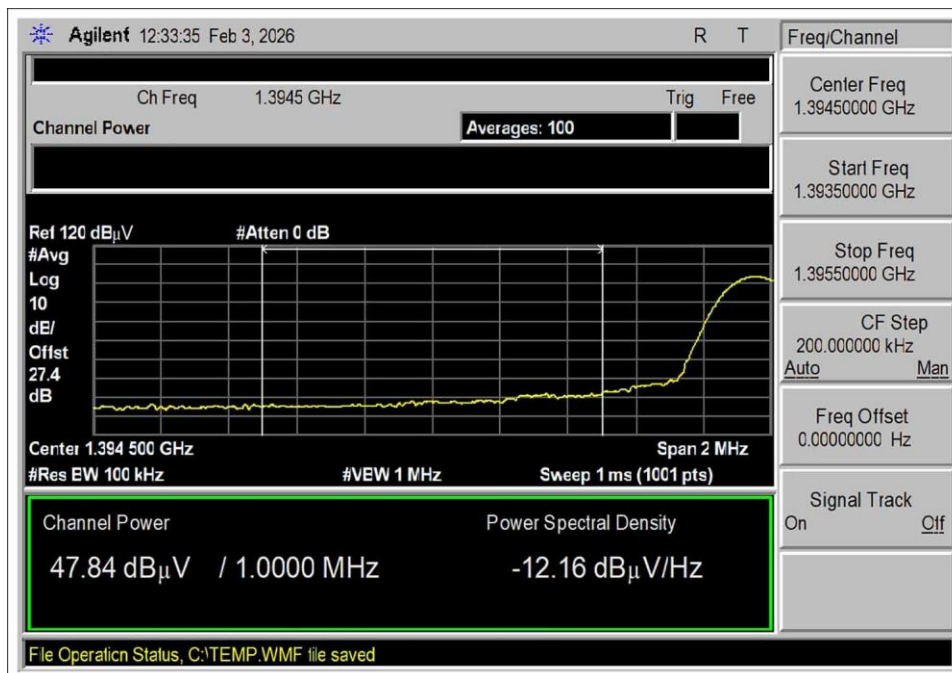
High Band, High Channel, Fh



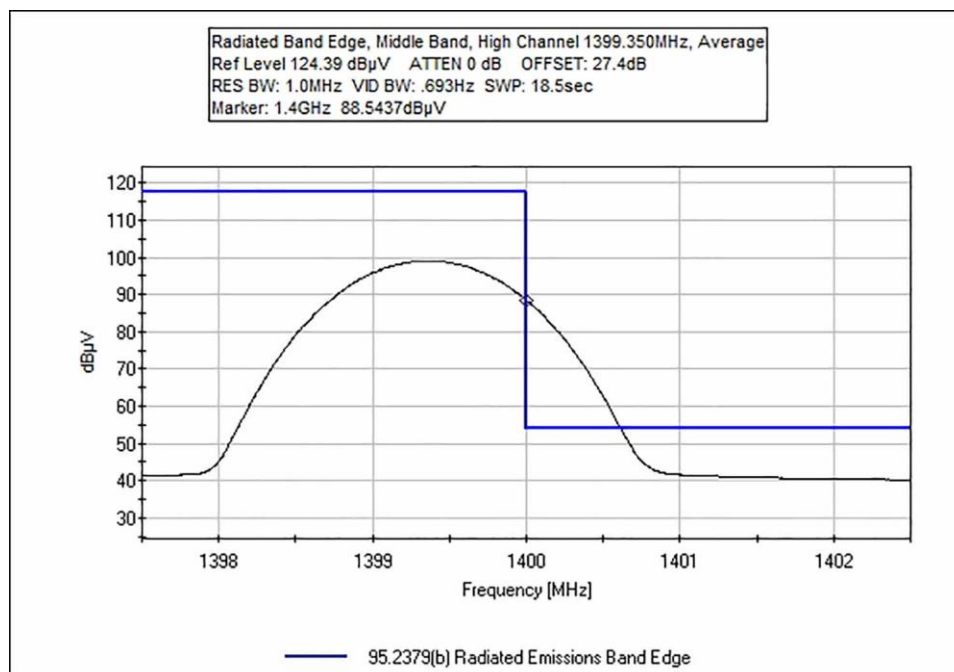
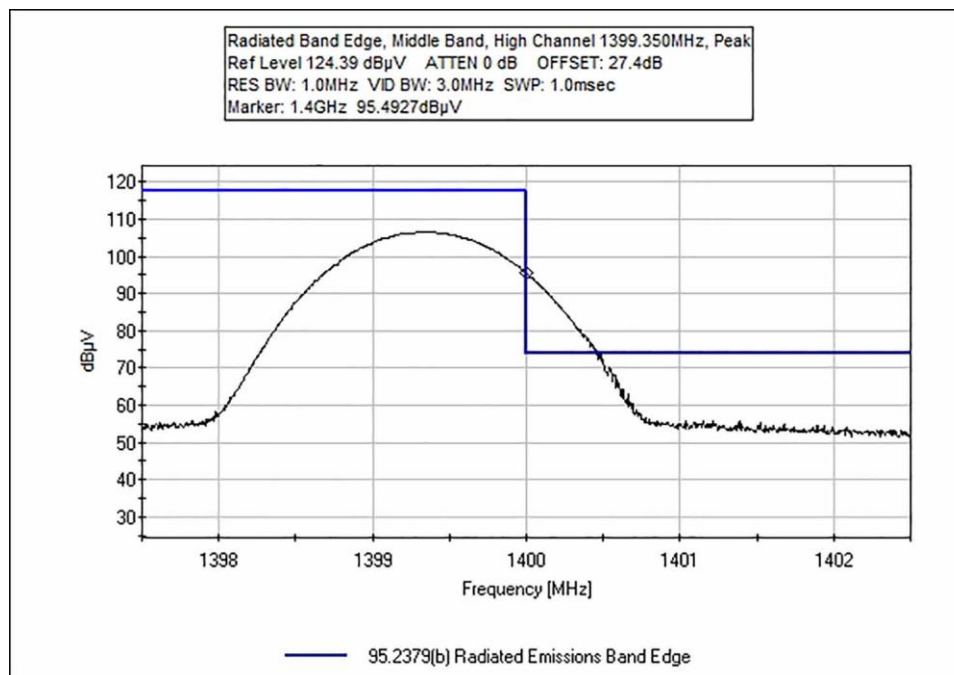


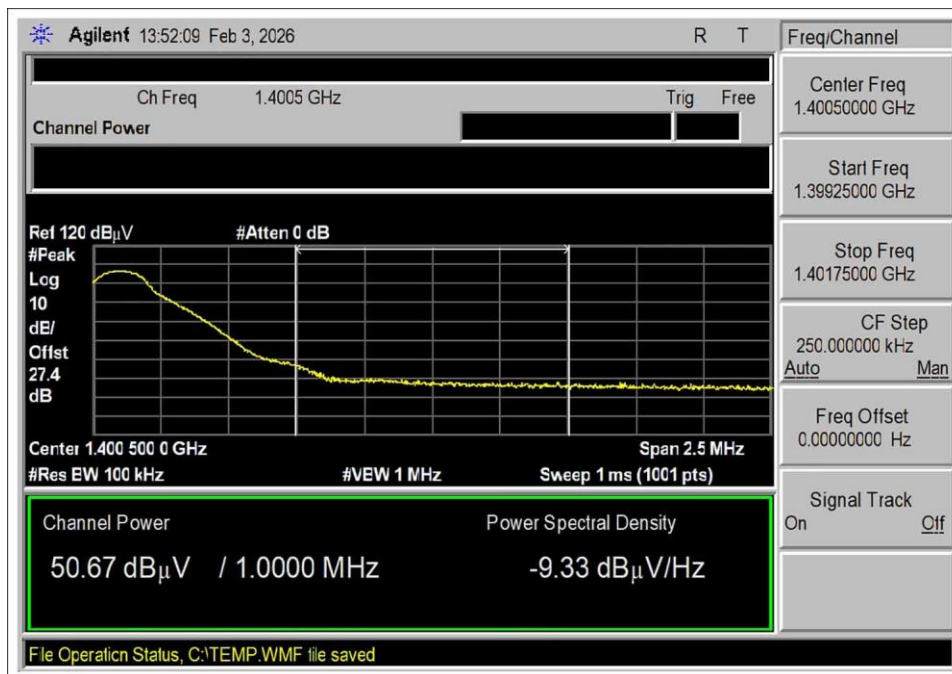


Middle Band, Low Channel, Integration, Peak

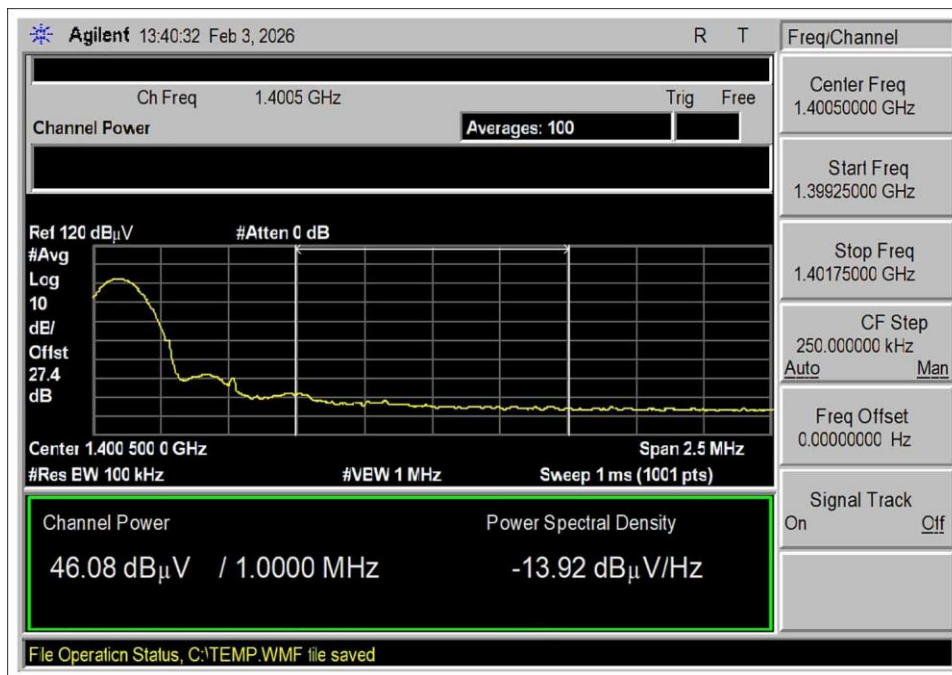


Middle Band, Low Channel, Integration, Average

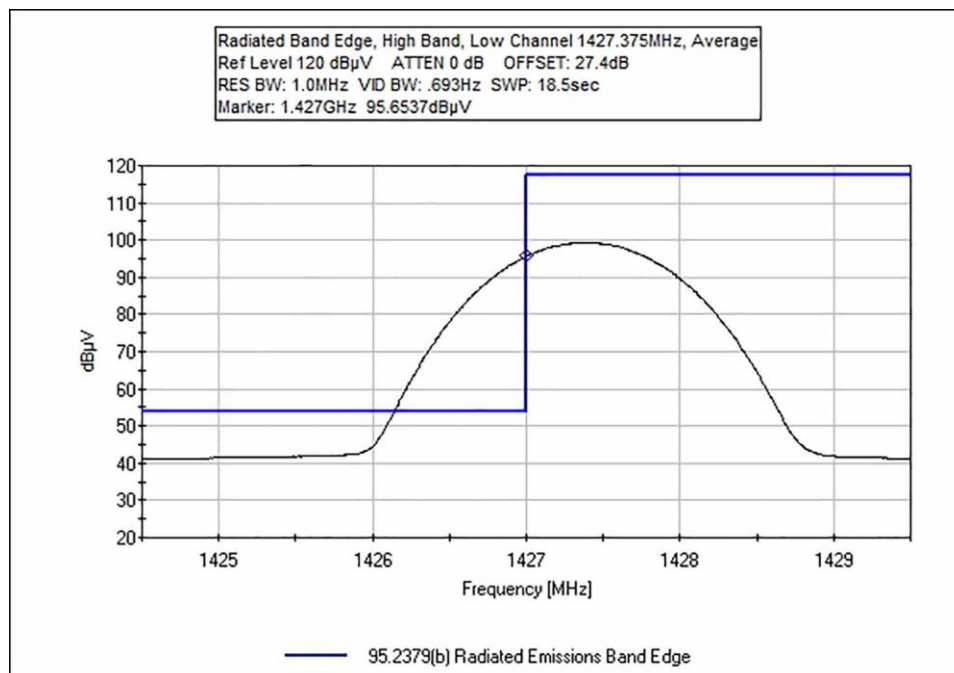
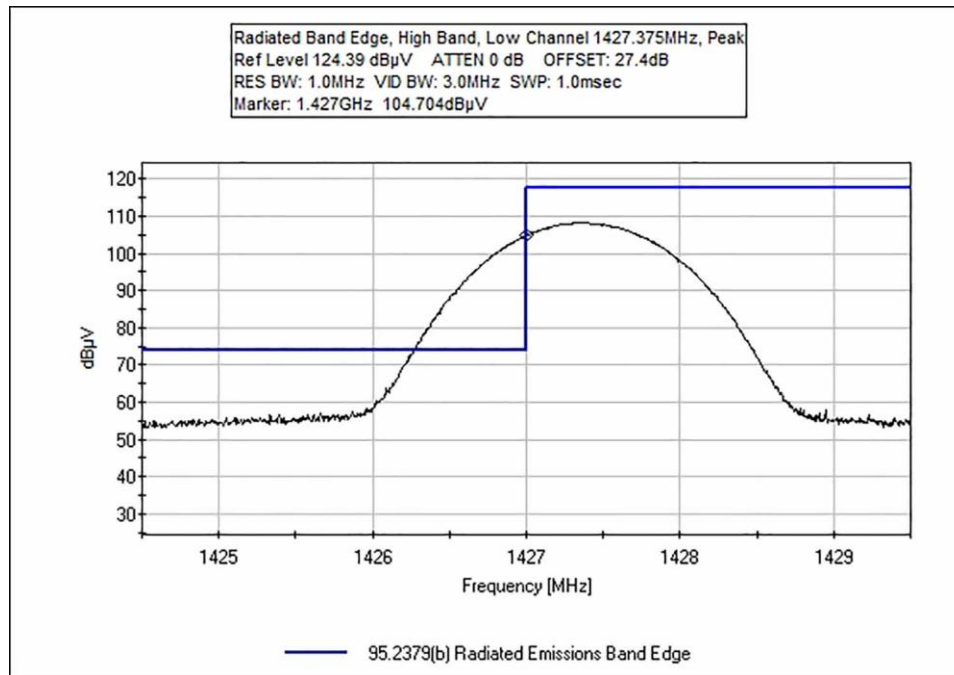


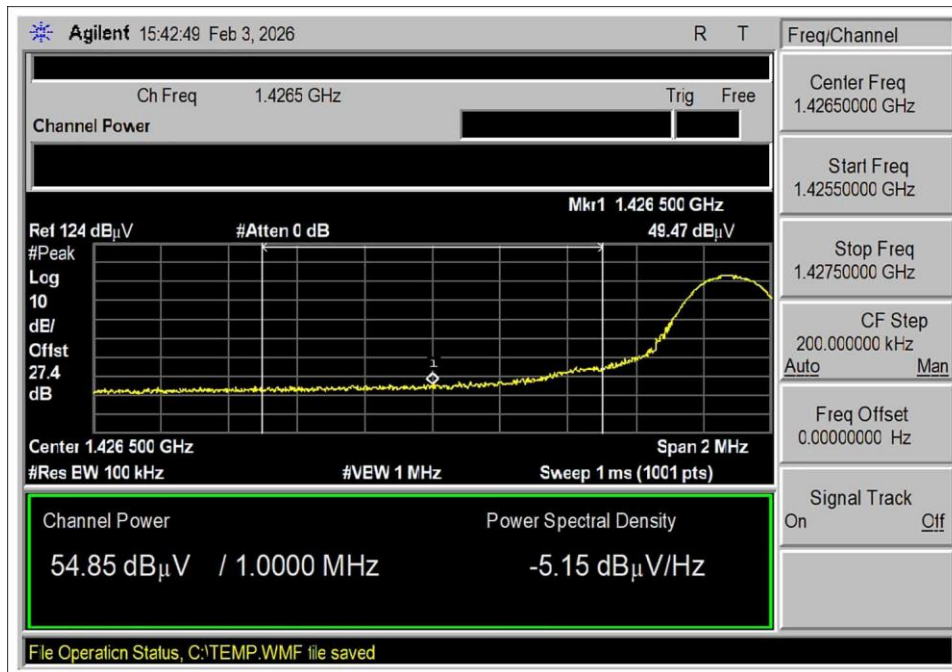


Middle Band, High Channel, Integration, Peak

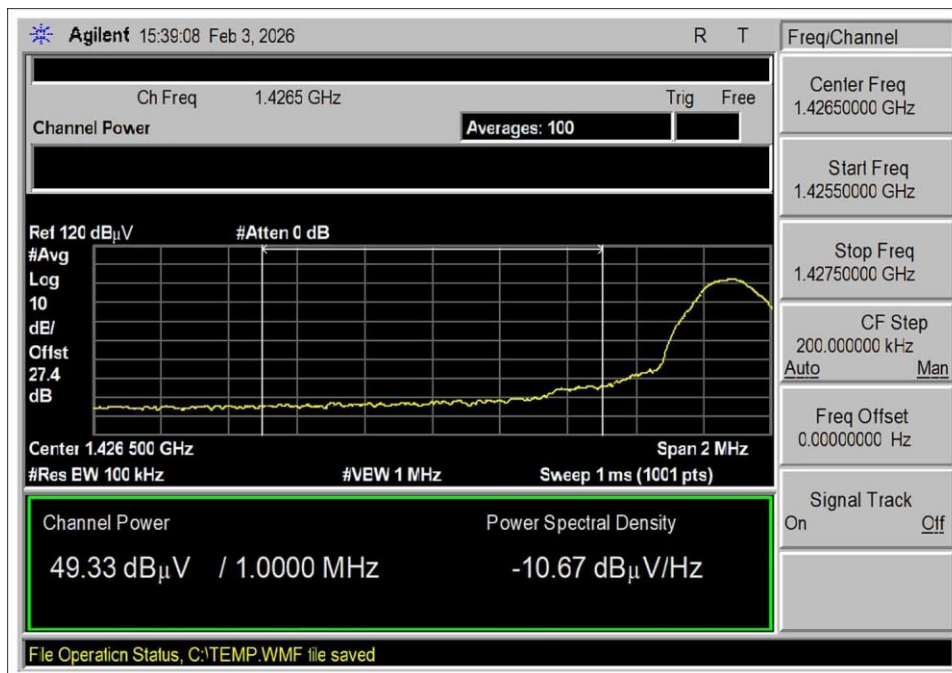


Middle Band, High Channel, Integration, Average

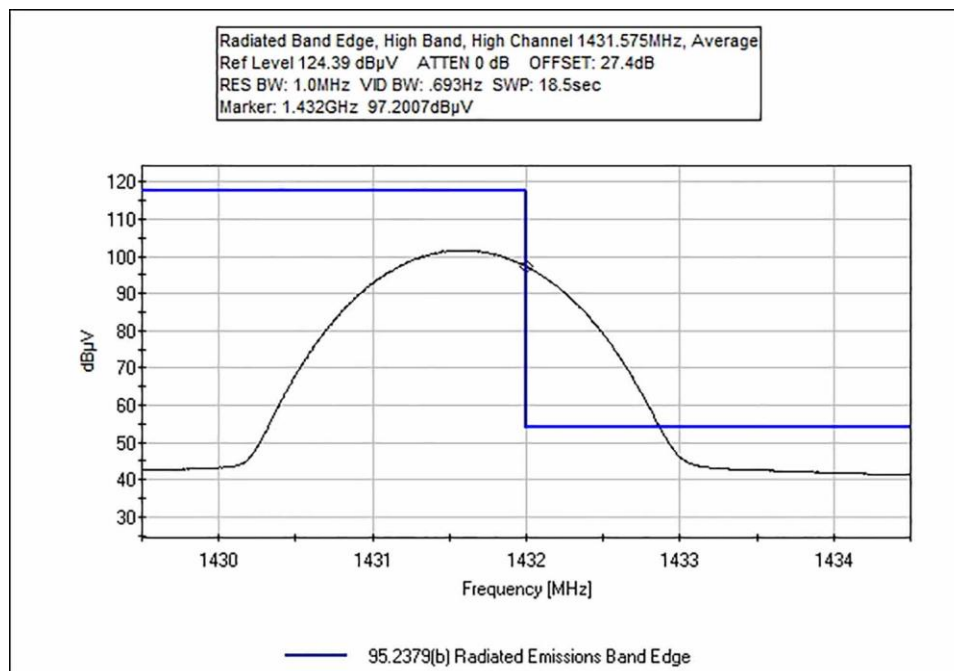
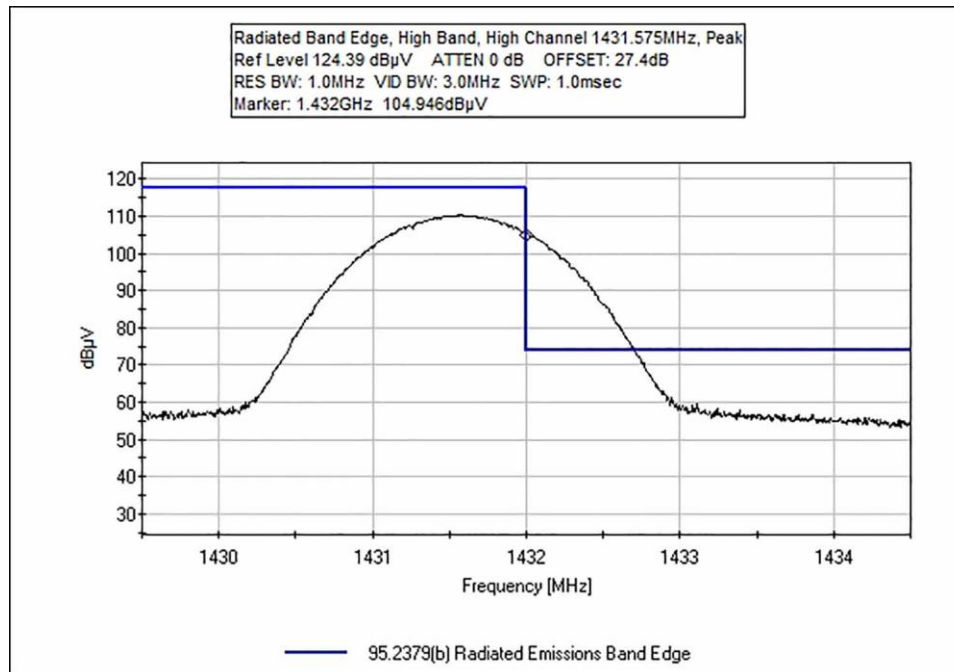


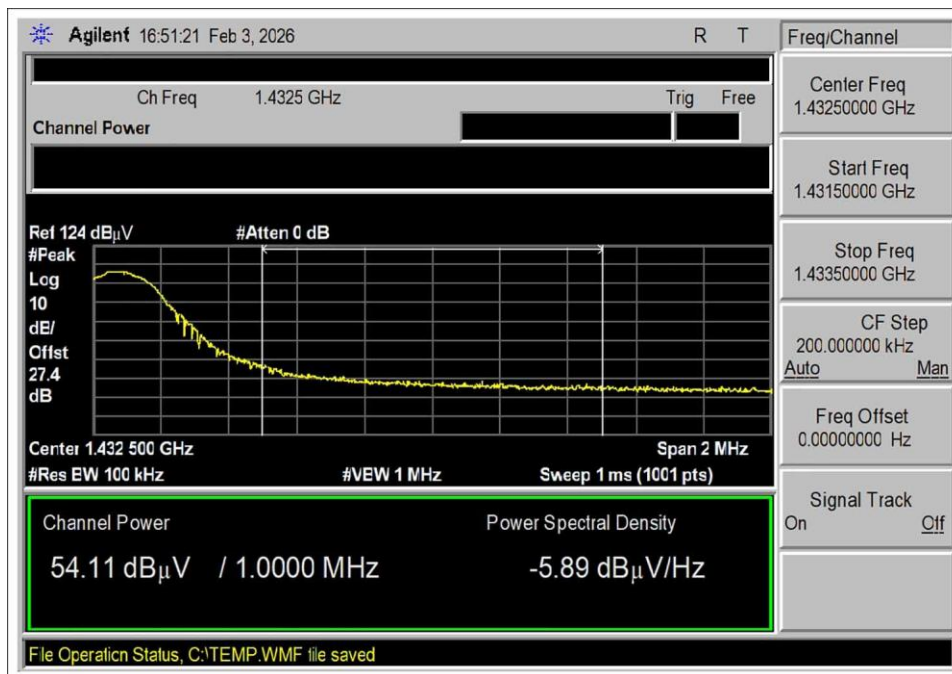


High Band, Low Channel, Integration, Peak

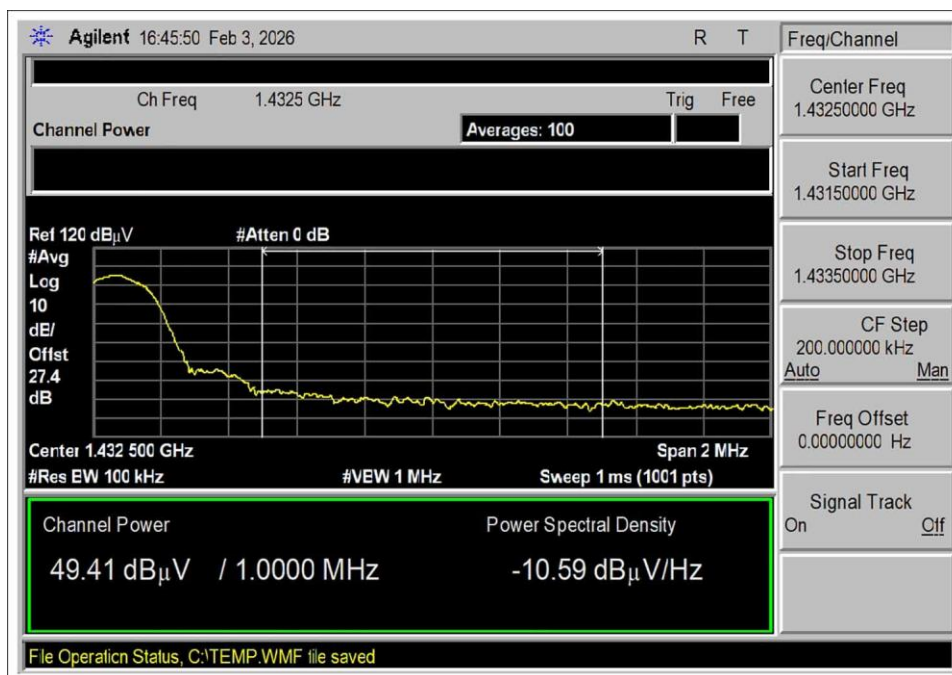


High Band, Low Channel, Integration, Average





High Band, High Channel, Integration, Peak



High Band, High Channel, Integration, Average

Test Setup / Conditions / 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 #: **111601** Date: 9/16/2025
 Test Type: **Radiated Scan** Time: 16:57:19
 Tested By: S. Yamamoto Sequence#: 7
 Software: EMITest 5.03.20

Equipment Tested:

Device	Manufacturer	Model #	S/N
Configuration 2			

Support Equipment:

Device	Manufacturer	Model #	S/N
Configuration 2			

Test Conditions / Notes:

The equipment under test (EUT) is placed stand alone on the Styrofoam tabletop. The EUT is powered from an external 5VDC power supply which is placed beneath the table.

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

Low channel 608.375MHz

High channel 613.625MHz

The EUT is only installed in one orientation and was tested in this manner.

Data listed represents worse case readings.

Site A

Test Environment Conditions:

Temperature: 24°C

Humidity: 55%

Pressure: 99kPa

Test Method ANSI C63.26 (2015)

Voltage to the external DC power supply is 120VAC 60Hz

RBW=120kHz

VBW=1200kHz

Test Equipment:

ID	Asset #	Description	Model	Calibration Date	Cal Due Date
	AN03834	Spectrum Analyzer	E4448A	5/6/2024	5/6/2026
T1	ANP05198	Cable-Amplitude +15C to +45C (dB)	RG214/U	1/10/2025	1/10/2027
T2	AN03850	Biconilog Antenna	3142E	5/23/2024	5/23/2026
T3	ANP06662	Cable	PHASEFLEX EJR01N01024.0	5/3/2024	5/3/2026
T4	AN00309	Preamp	8447D	11/21/2023	11/21/2025

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	614.000M QP	39.7	+4.8	+26.7	+0.1	-27.6	+0.0	43.7	46.0	-2.3	Horiz
2	608.000M QP	39.7	+4.7	+26.6	+0.1	-27.6	+0.0	43.5	46.0	-2.5	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 #: **111601** Date: 2/3/2026
 Test Type: **Radiated Scan** Time: 13:52:59
 Tested By: S. Yamamoto Sequence#: 9
 Software: EMITest 5.03.20

Equipment Tested:

Device	Manufacturer	Model #	S/N
Configuration 2			

Support Equipment:

Device	Manufacturer	Model #	S/N
Configuration 2			

Test Conditions / Notes:

The equipment under test (EUT) is placed stand alone on the Styrofoam tabletop. The EUT is powered from an external 5VDC power supply which is placed beneath the table.

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

Low channel 1395.450MHz

High channel 1399.350MHz

The EUT is only installed in one orientation and was tested in this manner.

Data listed represents worse case readings.

Site A

Test Environment Conditions:

Temperature: 22°C

Humidity: 36%

Pressure: 99kPa

Test methods

ANSI C63.26 2015

Integration method utilized

Voltage to the external DC power supply is 120VAC 60Hz

RBW=1MHz

VBW=3MHz

Test Equipment:

ID	Asset #	Description	Model	Calibration Date	Cal Due Date
	AN03834	Spectrum Analyzer	E4448A	5/6/2024	5/6/2026
	ANP07691	Cable	LDF1-50	9/23/2024	9/23/2026
	AN03873	Horn Antenna	3115	9/4/2025	9/4/2027

Measurement Data:

Reading listed by margin.

Test Distance: 3 Meters

#	Freq MHz	Rdng dBμV	dB	dB	dB	dB	Dist Table	Corr dBμV/m	Spec dBμV/m	Margin dB	Polar Ant
1	1395.000M Ave	94.8					+0.0	94.8	54.0	+40.8	Horiz
2	1400.000M Ave	88.5					+0.0	88.5	54.0	+34.5	Horiz
3	1395.000M Ave	47.8					+0.0	47.8	54.0	-6.2	Horiz
Integration method											
^	1395.000M	102.8					+0.0	102.8	74.0	+28.8	Horiz
^	1395.000M	56.9					+0.0	56.9	74.0	-17.1	Horiz
Integration method											
6	1400.000M Ave	46.1					+0.0	46.1	54.0	-7.9	Horiz
Integration method											
^	1400.000M	95.5					+0.0	95.5	74.0	+21.5	Horiz
^	1400.000M	50.7					+0.0	50.7	74.0	-23.3	Horiz
Integration method											

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 #: **111601** Date: 2/3/2026
 Test Type: **Radiated Scan** Time: 16:52:59
 Tested By: S. Yamamoto Sequence#: 11
 Software: EMITest 5.03.20

Equipment Tested:

Device	Manufacturer	Model #	S/N
Configuration 2			

Support Equipment:

Device	Manufacturer	Model #	S/N
Configuration 2			

Test Conditions / Notes:

The equipment under test (EUT) is placed stand alone on the Styrofoam tabletop. The EUT is powered from an external 5VDC power supply which is placed beneath the table.

The EUT is setup to transmit on the lowest and highest channels within the 1427MHz to 1432MHz band.
 Low channel 1427.375MHz
 High channel 1431.575MHz

The EUT is only installed in one orientation and was tested in this manner.
 Data listed represents worse case readings.

Site A

Test Environment Conditions:
 Temperature: 22°C
 Humidity: 36%
 Pressure: 99kPa

Test methods
 ANSI C63.26 2015
 Integration method utilized

Voltage to the external DC power supply is 120VAC 60Hz

RBW=1MHz
 VBW=3MHz

Test Equipment:

ID	Asset #	Description	Model	Calibration Date	Cal Due Date
	AN03834	Spectrum Analyzer	E4448A	5/6/2024	5/6/2026
	ANP07691	Cable	LDF1-50	9/23/2024	9/23/2026
	AN03873	Horn Antenna	3115	9/4/2025	9/4/2027

Measurement Data:

Reading listed by margin.

Test Distance: 3 Meters

#	Freq MHz	Rdng dBμV	dB	dB	dB	dB	Dist Table	Corr dBμV/m	Spec dBμV/m	Margin dB	Polar Ant
1	1432.000M	97.2					+0.0	97.2	54.0	+43.2	Horiz
	Ave										
2	1427.000M	95.7					+0.0	95.7	54.0	+41.7	Horiz
	Ave										
3	1432.000M	49.4					+0.0	49.4	54.0	-4.6	Horiz
	Ave								Integration method		
^	1432.000M	104.9					+0.0	104.9	74.0	+30.9	Horiz
	^ 1432.000M	54.1					+0.0	54.1	74.0	-19.9	Horiz
									Integration method		
6	1427.000M	49.3					+0.0	49.3	54.0	-4.7	Horiz
	Ave								Integration method		
^	1427.000M	104.7					+0.0	104.7	74.0	+30.7	Horiz
	^ 1427.000M	54.9					+0.0	54.9	74.0	-19.1	Horiz
									Integration method		

Test Setup Photo(s)



Below 1GHz



Above 1GHz, Setup 1



Above 1GHz, Setup 2

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):	9/19/2025
Configuration:	Configuration 3		

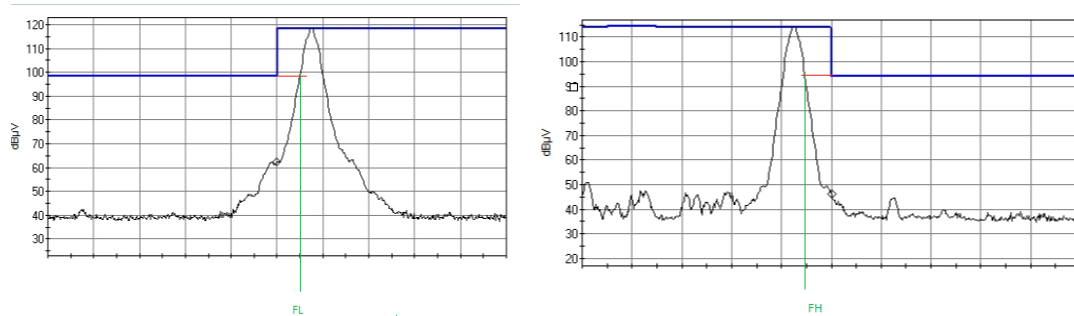
Environmental Conditions

Temperature (°C)	27	Relative Humidity (%):	50
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Test Equipment

Asset# / Serial#	Description	Manufacturer	Model	Cal Date	Cal Due
03745	Spectrum Analyzer	Agilent	E4443	07/16/2025	07/16/2026
03432	Attenuator	Aeroflex/Weinsche I	90-30-34	11/1/2023	11/1/2025
P08087	Cable 40 GHz	Astrolab	32022-29094K- 29094K-120TC	12/1/2023	12/1/2025
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 5V 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	5	608.03230	613.97470
-20	5	608.03200	613.97340
-10	5	608.03130	613.97370
0	5	608.03200	613.97710
10	5	608.03200	613.97400
20	5	608.03160	613.97340
30	5	608.03200	613.97370
40	5	608.03230	613.97370
50	5	608.03200	613.97440

Voltage Variations ($\pm 15\%$)			
Temp (C)	Voltage		
20	4.3	608.03160	613.97340
20	5.0	608.03160	613.97340
20	5.8	608.03160	613.97340

	FL min	FH max
	608.03130	613.97710
Designated band	608.00000	614.00000

		Projected OATS reading at extreme condition	
		Fl at limit	Fh at limit
		1395.132	1399.842
Temp (C)	Voltage		
-30	5	1395.13130	1399.84170
-20	5	1395.23170	1399.84170
-10	5	1395.13130	1399.84100
0	5	1395.13230	1399.84130
10	5	1395.13080	1399.84100
20	5	1395.13200	1399.84200
30	5	1395.13170	1399.84170
40	5	1395.13100	1399.84170
50	5	1395.13170	1399.84170

Voltage Variations ($\pm 15\%$)			
Temp (C)	Voltage		
20	4.3	1395.13200	1399.84200
20	5.0	1395.13200	1399.84200
20	5.8	1395.13200	1399.84200

	FL min	FH max
	1395.13080	1399.84200
Designated band	1395.00000	1400.00000

		Projected OATS reading at extreme condition	
		Fl at limit	Fh at limit
		1427.098	1431.922
Temp (C)	Voltage		
-30	5	1427.17490	1431.92200
-20	5	1427.09870	1431.92170
-10	5	1427.09800	1431.92130
0	5	1427.09770	1431.91800
10	5	1427.09800	1431.92070
20	5	1427.09800	1431.92200
30	5	1427.09870	1431.92170
40	5	1427.09840	1431.92200
50	5	1427.09840	1431.92160

Voltage Variations ($\pm 15\%$)			
Temp (C)	Voltage		
20	4.3	1427.09800	1431.92200
20	5.0	1427.09800	1431.92200
20	5.8	1427.09800	1431.92200

	FL min	FH max
	1427.09770	1431.92200
Designated band	1427.00000	1432.00000

Limit

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 Stability, View 1



Temperature Stability, View 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