

WaveLynx Technologies Corporation

REVISED TEST REPORT TO 111609-32

**RFID Access Control Reader, APEX
Model: AX-15***

*(See Appendix A for Manufacturers Declaration)

Tested to The Following Standards:

FCC Part 15 Subpart C Section(s)

**15.207 & 15.247
(DTS 2400-2483.5 MHz)**

Report No.: 111609-32A

Date of issue: November 18, 2025



Test Certificate # 803.01

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.

This report contains a total of 79 pages and may be reproduced in full only. Partial reproduction may only be done with the written consent of CKC Laboratories, Inc.



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 15 Subpart C - 15.247 (DTS 2400-2483.5 MHz)	5
Modifications During Testing	5
Conditions During Testing	5
Equipment Under Test (EUT)	6
General Product Information:	7
FCC Part 15 Subpart C	10
15.247(a)(2) 6dB Bandwidth	10
15.247(b)(3) Output Power	16
15.247(e) Power Spectral Density	23
15.247(d) RF Conducted Emissions & Band Edge	29
15.247(d) Radiated Emissions & Band Edge	33
15.207 AC Conducted Emissions	70
Appendix A: Manufacturer Declaration	77
Supplemental Information	78
Measurement Uncertainty	78
Emissions Test Details	78

Administrative Information

Test Report Information

REPORT PREPARED FOR:

WaveLynx Technologies Corporation
100 Technology Drive, Suite B130.
Broomfield, CO 80021

Representative: Daniel Field
Customer Reference Number: PO575

REPORT PREPARED BY:

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

Project Number: 111609

DATE OF EQUIPMENT RECEIPT:

July 22, 2025

DATE(S) OF TESTING:

July 22, 23, 30, and 31, 2025
and August 1, 21, and 22, 2025

Revision History

Original: Testing of the RFID Access Control Reader, APEX, Model: AX-15 to FCC Part 15 Subpart C Section(s) 15.207 & 15.247 (DTS 2400-2483.5 MHz).

Revision A: To remove the modification statement and to update dates, General Product Information, and AC Conducted Emissions and Radiated Spurious Emissions 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.



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.
1120 Fulton Place
Fremont, CA 94539

Software Versions

CKC Laboratories Proprietary Software	Version
EMITest Emissions	5.03.20

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 15 Subpart C - 15.247 (DTS 2400-2483.5 MHz)

Test Procedure	Description	Modifications	Results
15.247(a)(2)	6dB Bandwidth	NA	PASS
15.247(b)(3)	Output Power	NA	PASS
15.247(e)	Power Spectral Density	NA	PASS
15.247(d)	RF Conducted Emissions & Band Edge	NA	PASS
15.247(d)	Radiated Emissions & Band Edge	NA	PASS
15.207	AC Conducted Emissions	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
None.

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
Emission profile of the EUT rotated along three orthogonal axis was investigated. Recorded data represent worse case emission

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
RFID Access Control Reader, APEX	WaveLynx Technologies Corporation	AX-15	AXR-2U-C-1-4D

Support Equipment:

Device	Manufacturer	Model #	S/N
Digital Power Supply	Korad	KA 3005D	202011032416

Configuration 4

Equipment Tested:

Device	Manufacturer	Model #	S/N
RFID Access Control Reader, APEX	WaveLynx Technologies Corporation	AX-15	SPECTRUM

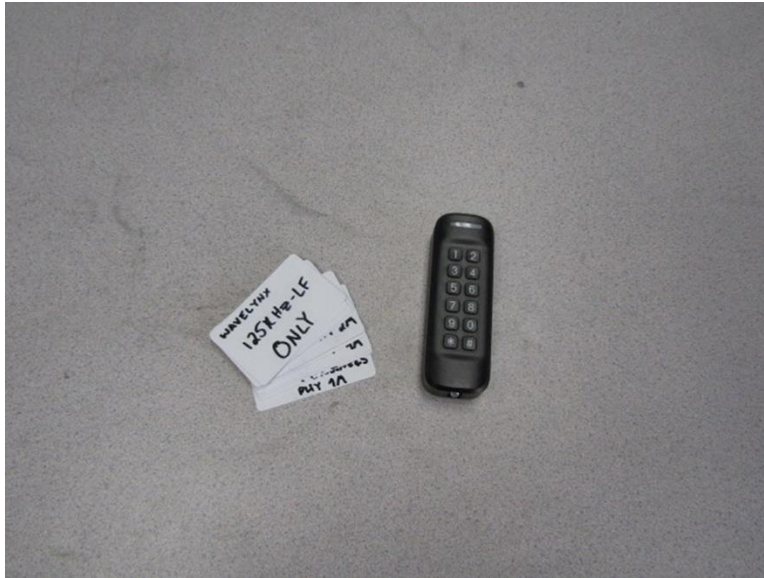
Support Equipment:

Device	Manufacturer	Model #	S/N
Digital Power Supply	Korad	KA 3005D	202011032416

General Product Information:

Description of EUT	
RFID Access Control Reader	
Product Information	Manufacturer-Provided Details
Operating Frequencies Tested:	2.402GHz, 2.426GHz, 2.48GHz
Equipment Type:	Stand-Alone Equipment
Type of Wideband System:	DTS
Maximum Duty Cycle:	EUT is placed into a testing mode with 100% transmission
Modulation Type(s):	GFSK
Number of TX Chains:	1
Beamforming Type:	N/A
Antenna Type(s) and Gain:	Chip Antenna (AANI-CH-0070) Peak Gain: 2.8dBi
Antenna Connection Type:	Integral (External connector provided to facilitate testing)
Nominal Input Voltage:	12VDC
Firmware / Software Version(s):	5.1.8
Firmware / Software Description:	Standard Apex Firmware The middle channel, defined by the customer as 2426 MHz, was chosen due to its having the highest power level within the mid-band range.
Firmware / Software Setting(s):	N/A
Tune-up or Adjustment(s):	N/A
The validity of results is dependent on the stated product details, the accuracy of which the manufacturer assumes full responsibility.	

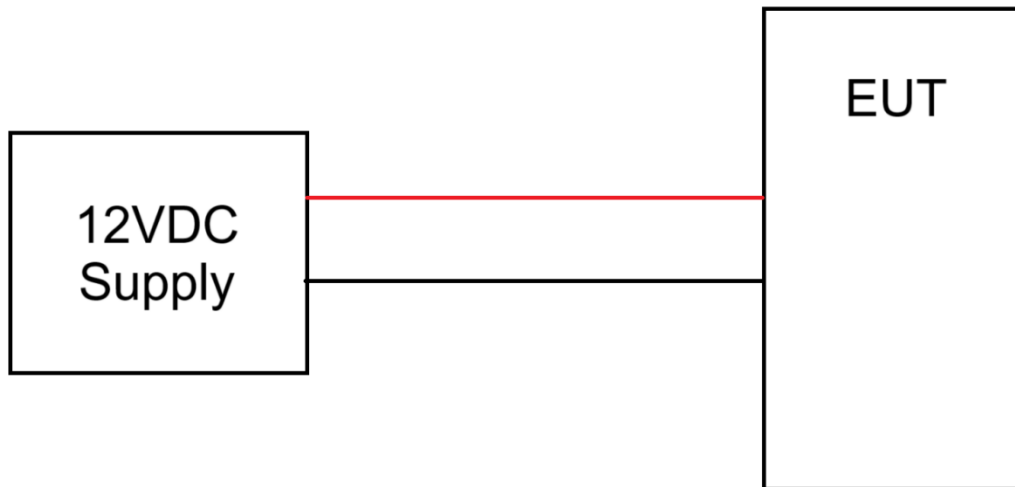
EUT and Accessory Photo(s)



AX-15

Block Diagram of Test Setup(s)

Config#	Setup Description of Block Diagram
2/4	EUT is powered by a 12VDC supply. Tested standalone



FCC Part 15 Subpart C

15.247(a)(2) 6dB Bandwidth

Test Setup/Conditions			
Test Location:	Fremont Chamber 3	Test Engineer:	Jonathan Wharton
Test Method:	ANSI C63.10 (2020), KDB 558074	Test Date(s):	7/23/2025
Configuration:	2		
Test Setup:	Conducted Antenna Port		

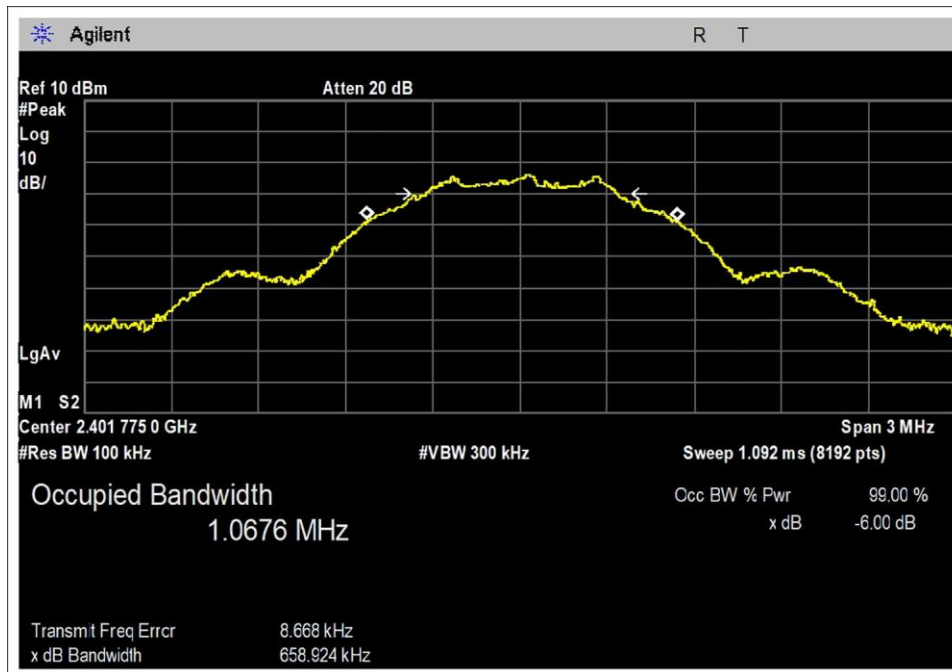
Environmental Conditions			
Temperature (°C)	23.1	Relative Humidity (%):	43

Test Equipment					
Asset#	Description	Manufacturer	Model	Cal Date	Cal Due
02660	Spectrum Analyzer	Agilent	E4446A	1/7/2025	1/7/2027

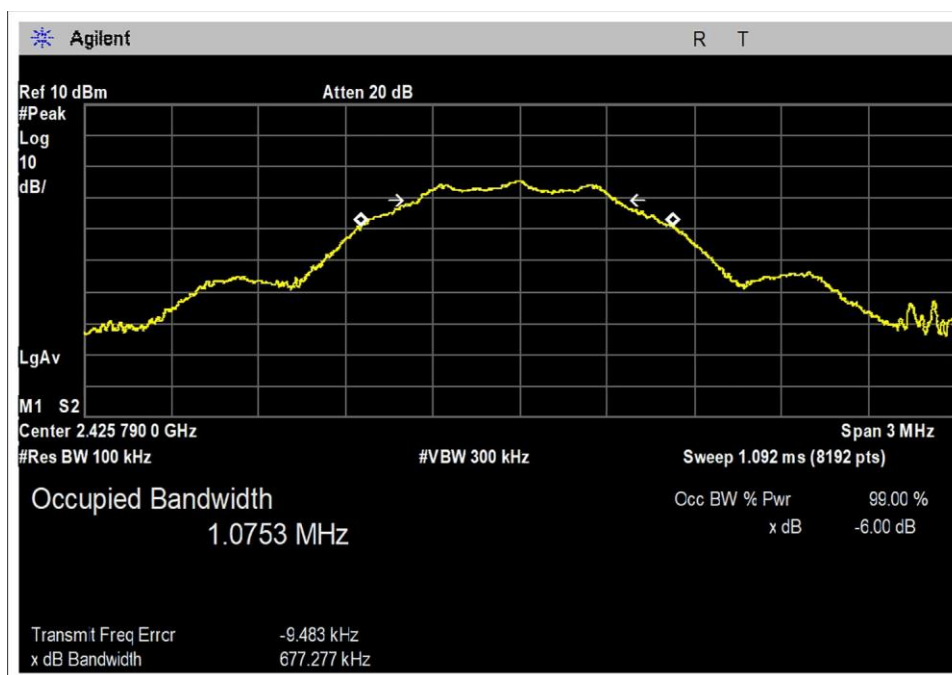
Test Data Summary					
Frequency (MHz)	Antenna Port	Modulation	Measured (kHz)	Limit (kHz)	Results
2402	1	GFSK 1MHz	658.9	≥500	Pass
2426	1	GFSK 1MHz	677.3	≥500	Pass
2480	1	GFSK 1MHz	671.5	≥500	Pass
2402	1	GFSK 2MHz	1097	≥500	Pass
2426	1	GFSK 2MHz	1230	≥500	Pass
2480	1	GFSK 2MHz	1123	≥500	Pass

Plot(s)

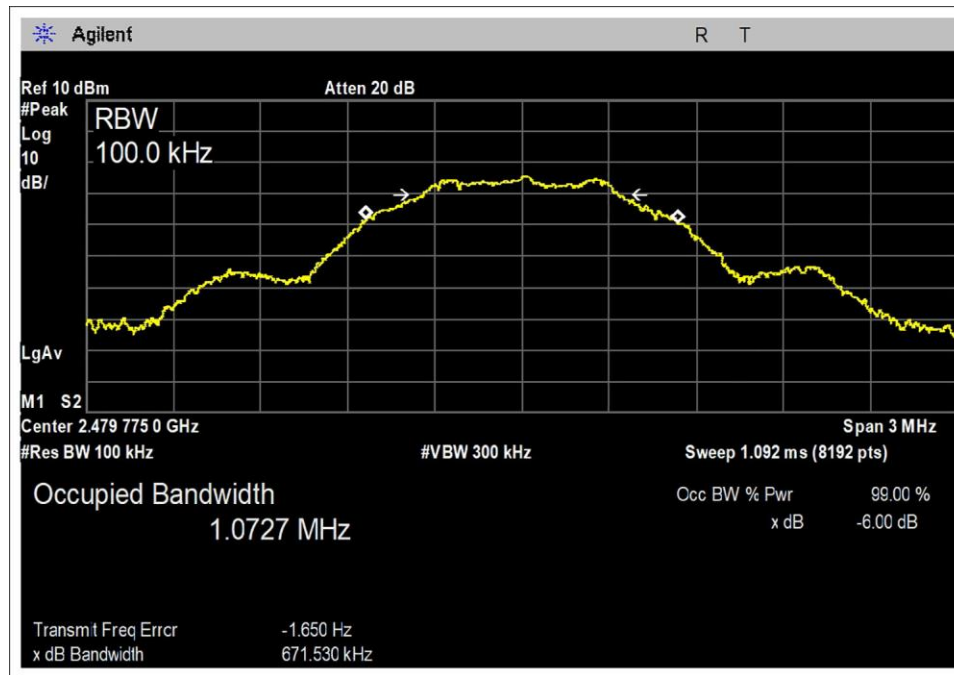
1MHz



Low Channel

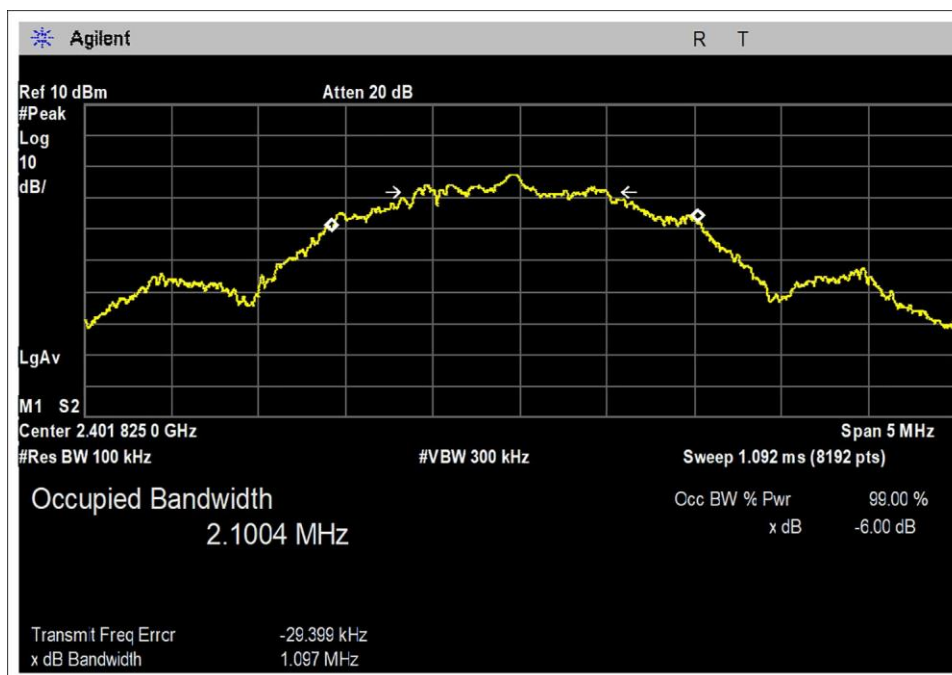


Middle Channel

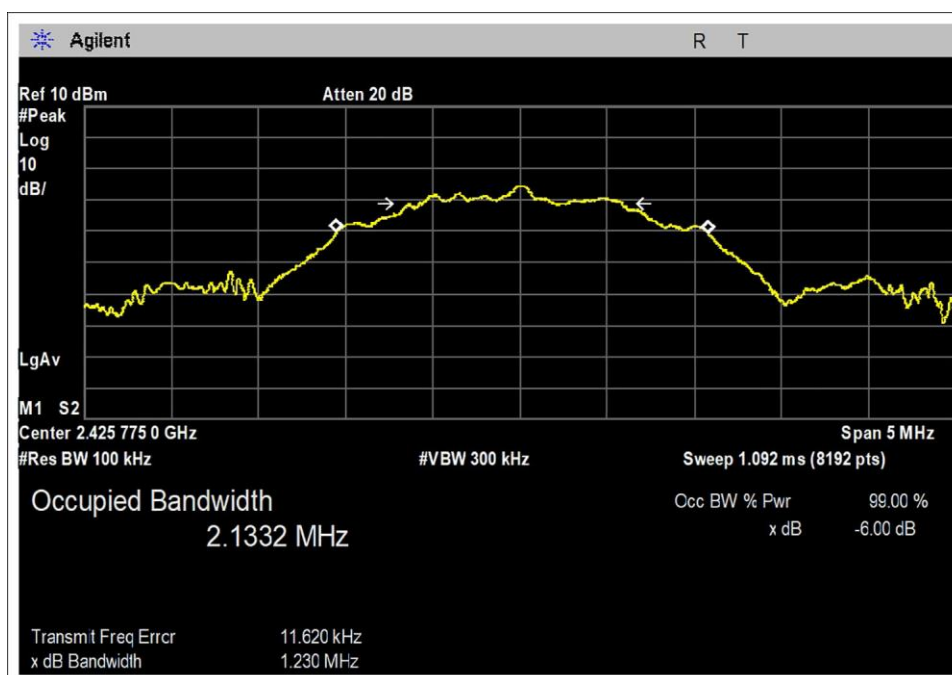


High Channel

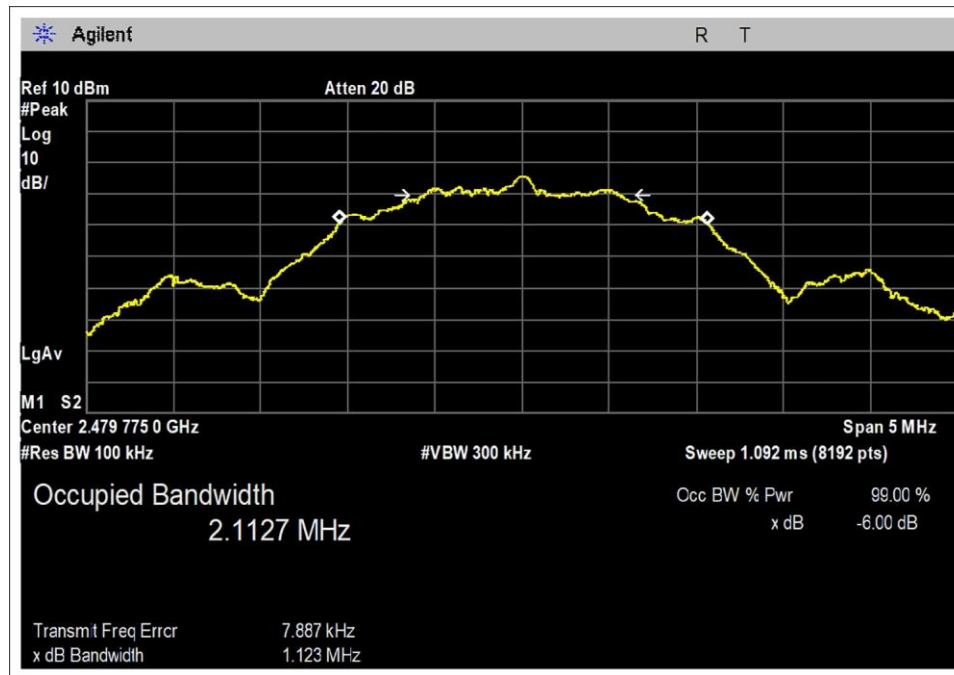
2MHz



Low Channel

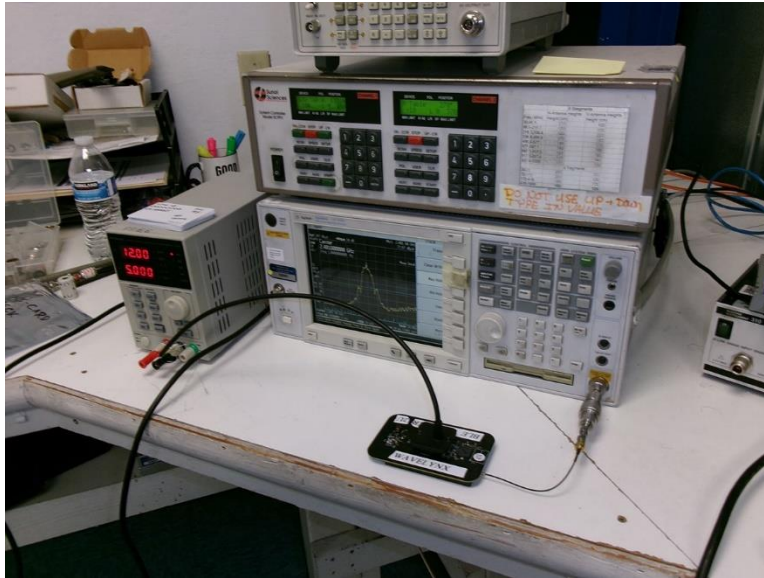


Middle Channel



High Channel

Test Setup Photo(s)



15.247(b)(3) Output Power

Test Setup/Conditions

Test Location:	Fremont Chamber 3	Test Engineer:	Jonathan Wharton
Test Method:	ANSI C63.10 (2020), KDB 558074	Test Date(s):	7/23/2025
Configuration:	2		
Test Setup:	Conducted Antenna Port		

Environmental Conditions

Temperature (°C)	23.1	Relative Humidity (%):	43
------------------	------	------------------------	----

Test Equipment

Asset#	Description	Manufacturer	Model	Cal Date	Cal Due
02660	Spectrum Analyzer	Agilent	E4446A	1/7/2025	1/7/2027

Test Data Summary - Voltage Variations

Frequency (MHz)	Modulation / Ant Port	V _{Minimum} (dBm)	V _{Nominal} (dBm)	V _{Maximum} (dBm)	Max Deviation from V _{Nominal} (dB)
2402	GFSK 1MHz	-10.38	-9.67	-10.0	0.71
2426	GFSK 1MHz	-9.63	-10.51	-11.47	0.96
2480	GFSK 1MHz	-14.61	-15.22	-17.09	1.87
2402	GFSK 2MHz	-11.08	-11.86	-12.18	0.78
2426	GFSK 2MHz	-11.86	-10.11	-10.57	1.75
2480	GFSK 2MHz	-9.94	-9.80	-10.33	0.53

Test performed using operational mode with the highest output power, representing worst case.

Parameter Definitions:

Measurements performed at input voltage according to manufacturer specification.

Parameter	Value
V _{Nominal} :	12 VDC
V _{Minimum} :	4.25 VDC
V _{Maximum} :	27.6 VDC

Test Data Summary - RF Conducted Measurement							
Measurement Option: RBW > DTS Bandwidth							
Frequency (MHz)	Modulation	Ant. Type / Gain (dBi)	RF Conducted (dBm)		EIRP (dBm)		Results
			Measured	Limit	Calculated	Limit	
2402	GFSK 1MHz	Integral / 2.8	-9.67	≤30	-6.87	≤36	Pass
2426	GFSK 1MHz	Integral / 2.8	-10.51	≤30	-7.71	≤36	Pass
2480	GFSK 1MHz	Integral / 2.8	-15.22	≤30	-12.42	≤36	Pass
2402	GFSK 2MHz	Integral / 2.8	-11.86	≤30	-9.06	≤36	Pass
2426	GFSK 2MHz	Integral / 2.8	-10.11	≤30	-7.31	≤36	Pass
2480	GFSK 2MHz	Integral / 2.8	-9.80	≤30	-7.0	≤36	Pass

EIRP is calculated as RF conducted power (dBm) + antenna gain (dBi)

For fixed point-to-point antennas, the limit is calculated in accordance with 15.247(c)(1):

$$Limit = 30 - Roundup\left(\frac{G-6}{3}\right)$$

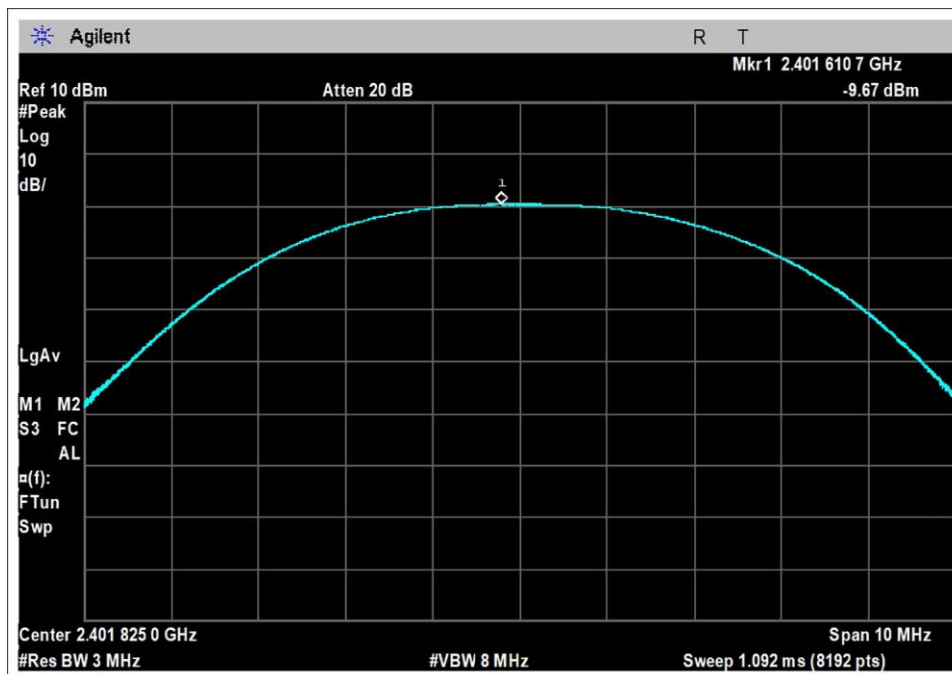
For all other antennas, the RF conducted power limit is calculated according to a maximum of 1W (30 dBm) conducted power with a maximum of 6dBi gain antenna in accordance with 15.247(b)

$$Limit = 30 - Roundup(G - 6)$$

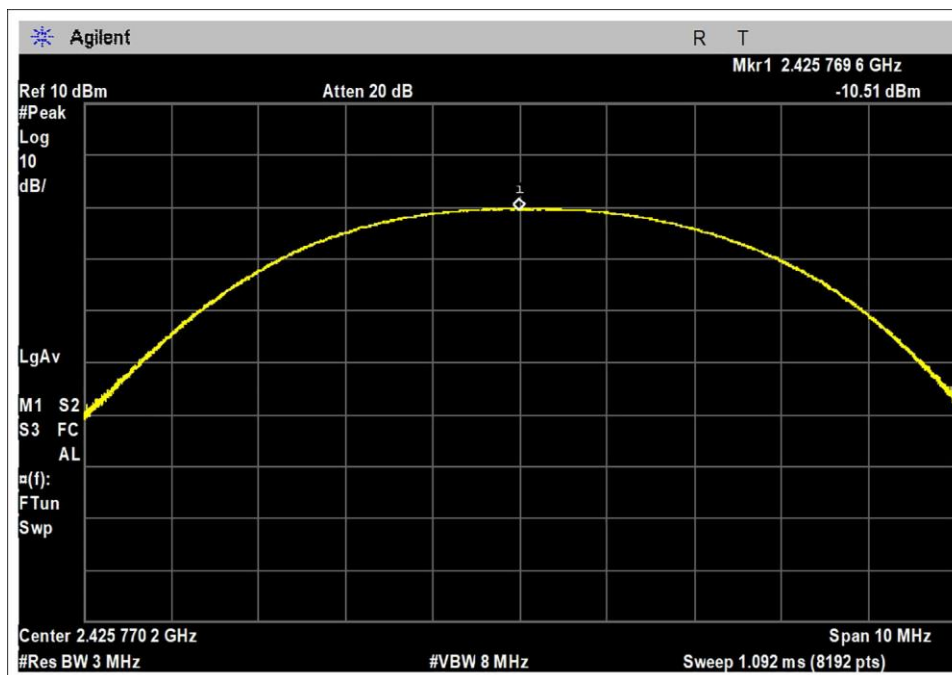
For directional beamforming antennas, the limit is calculated in accordance with 15.247(c)(2) and KDB 662911.

Plots

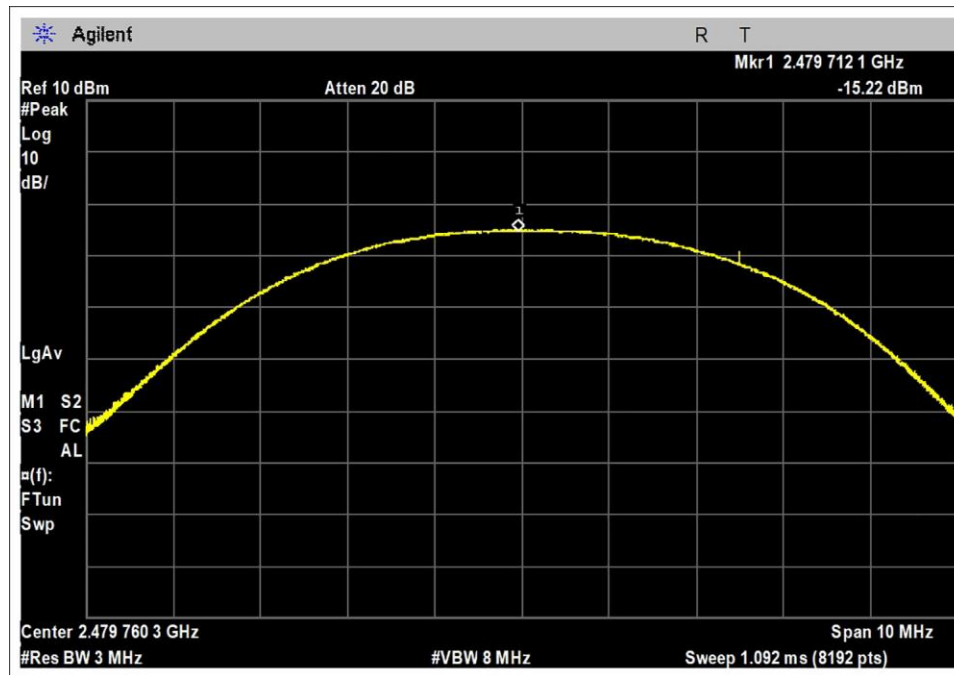
1MHz



Low Channel

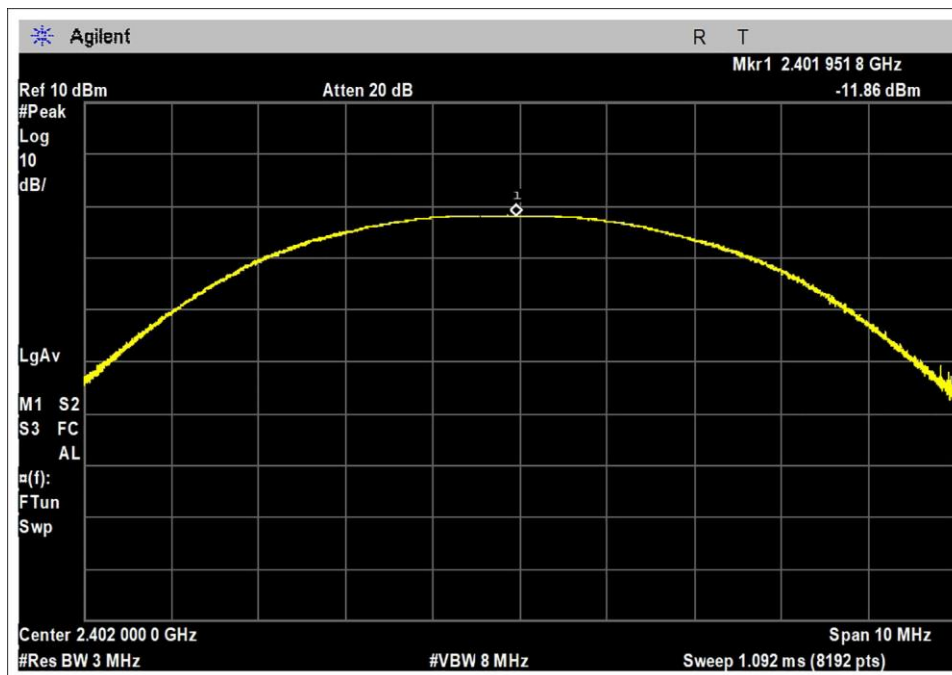


Middle Channel

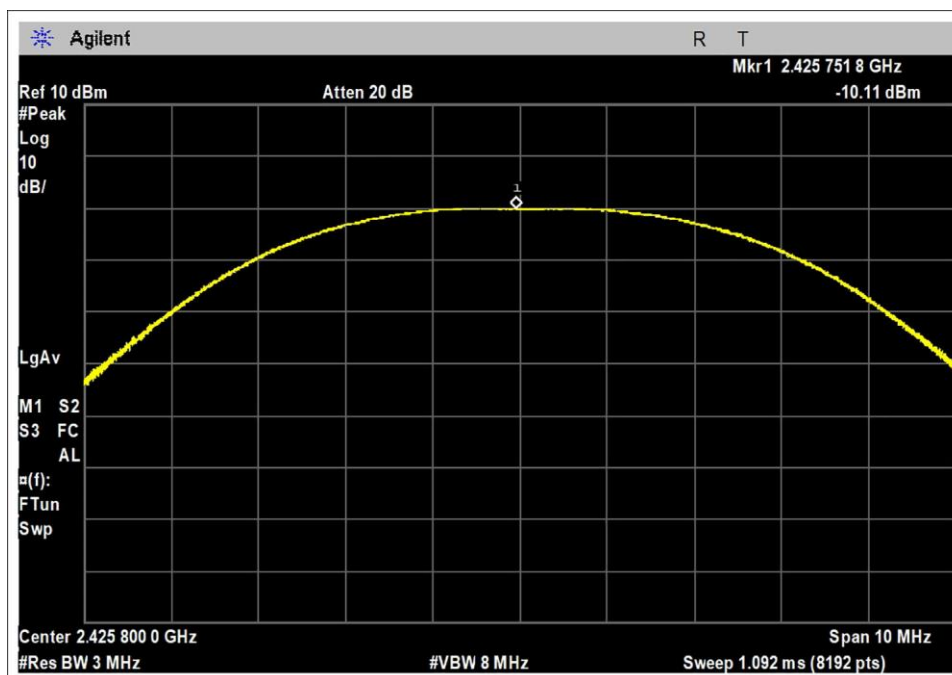


High Channel

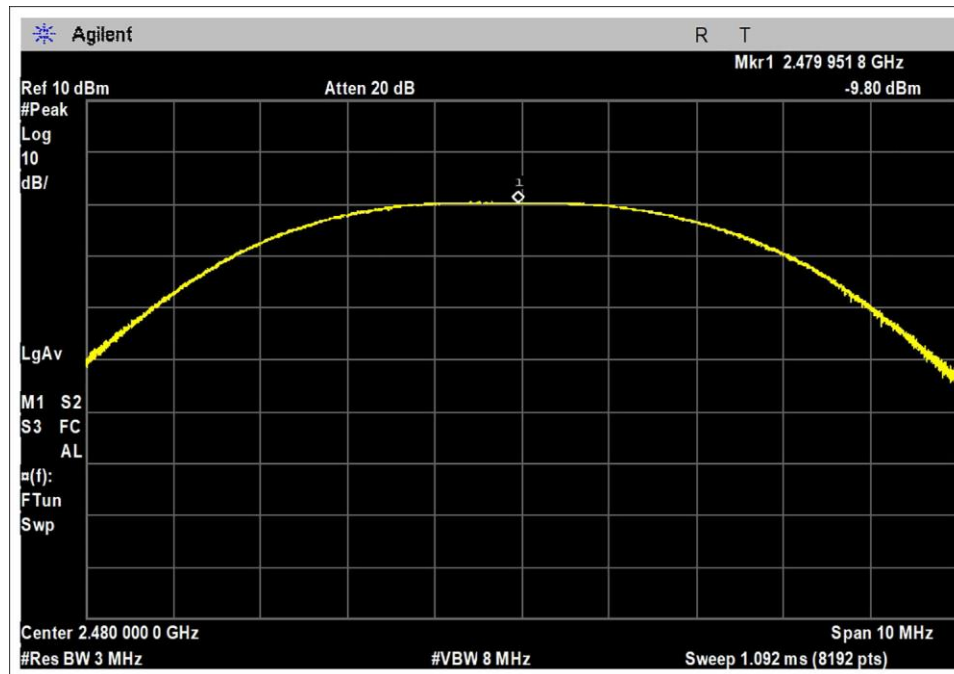
2MHz



Low Channel

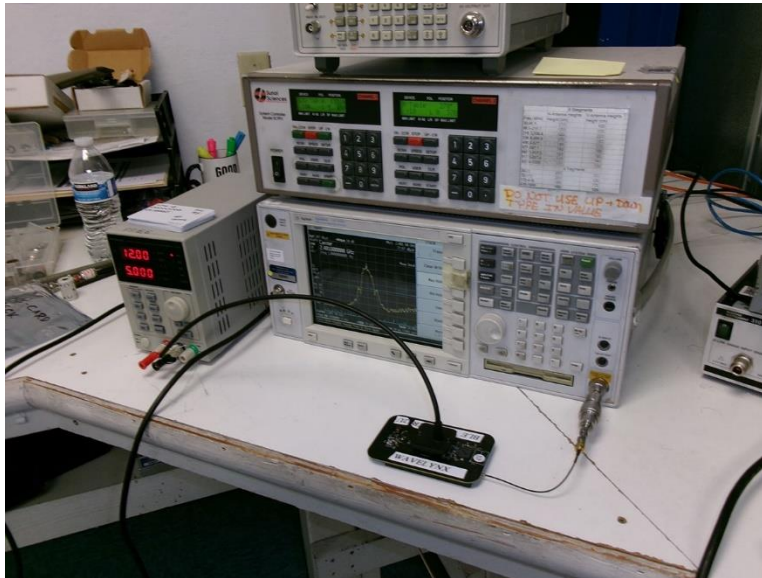


Middle Channel



High Channel

Test Setup Photo(s)



15.247(e) Power Spectral Density

Test Setup/Conditions

Test Location:	Fremont Chamber 3	Test Engineer:	Jonathan Wharton
Test Method:	ANSI C63.10 (2020), KDB 558074	Test Date(s):	7/23/2025
Configuration:	2		
Test Setup:	Conducted Antenna Port		

Environmental Conditions

Temperature (°C)	23.1	Relative Humidity (%):	43
------------------	------	------------------------	----

Test Equipment

Asset#	Description	Manufacturer	Model	Cal Date	Cal Due
02660	Spectrum Analyzer	Agilent	E4446A	1/7/2025	1/7/2027

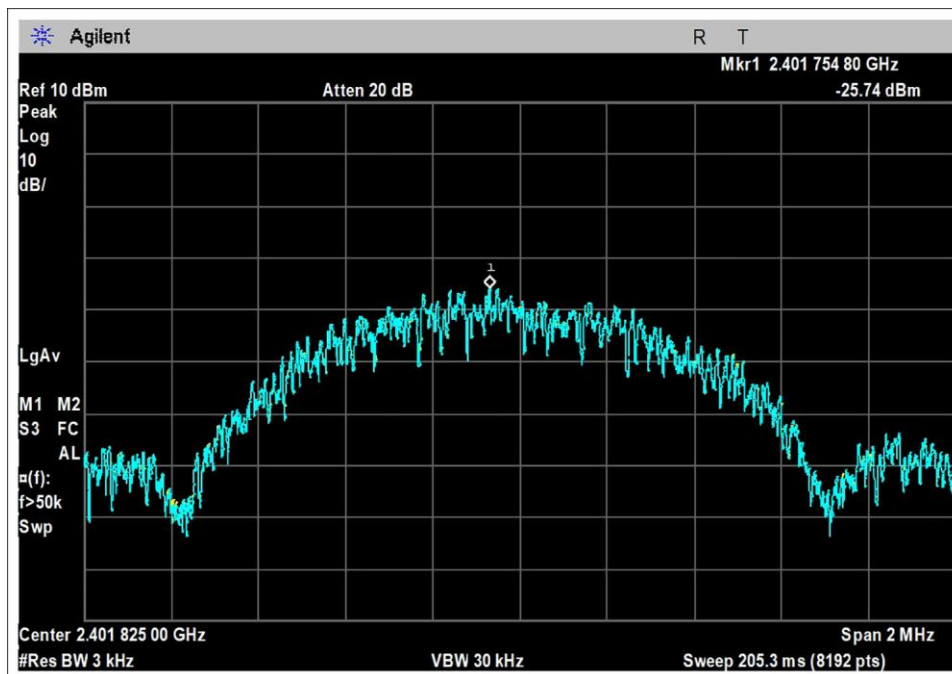
Test Data Summary - RF Conducted Measurement

Measurement Method: PKPSD

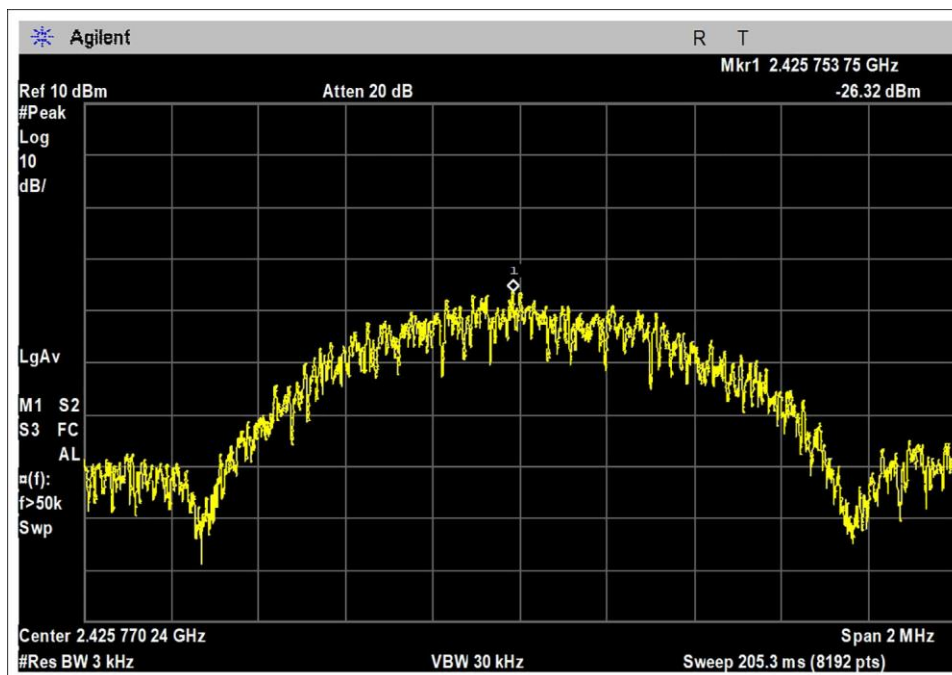
Frequency (MHz)	Modulation	Measured (dBm/3kHz)	Limit (dBm/3kHz)	Results
2402	GFSK 1MHz	-25.74	≤8	Pass
2426	GFSK 1MHz	-26.32	≤8	Pass
2480	GFSK 1MHz	-28.50	≤8	Pass
2402	GFSK 2MHz	-27.36	≤8	Pass
2426	GFSK 2MHz	-26.84	≤8	Pass
2480	GFSK 2MHz	-26.75	≤8	Pass

Plots

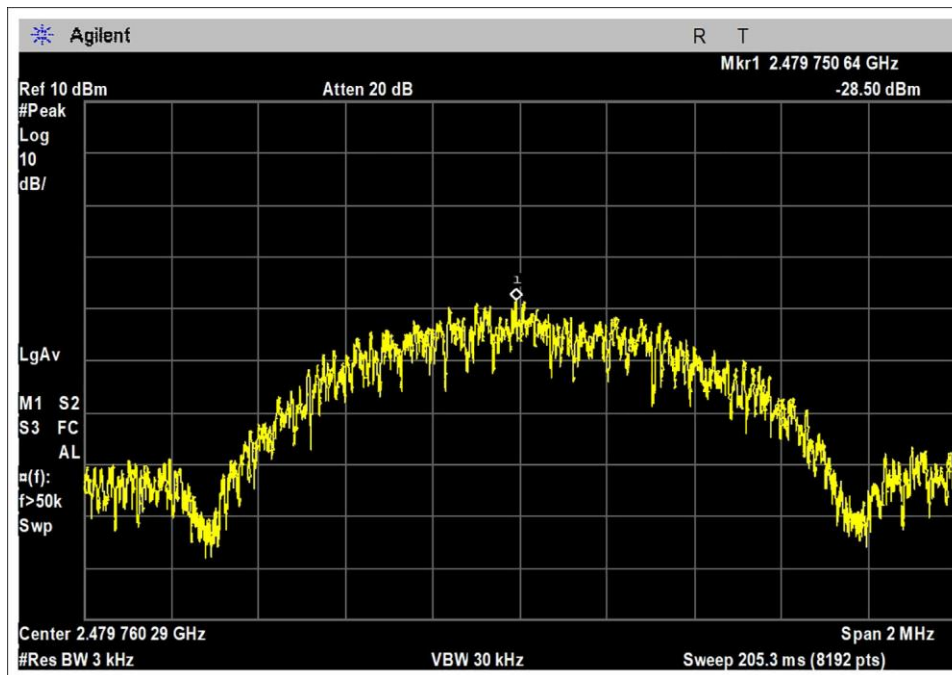
1MHz



Low Channel

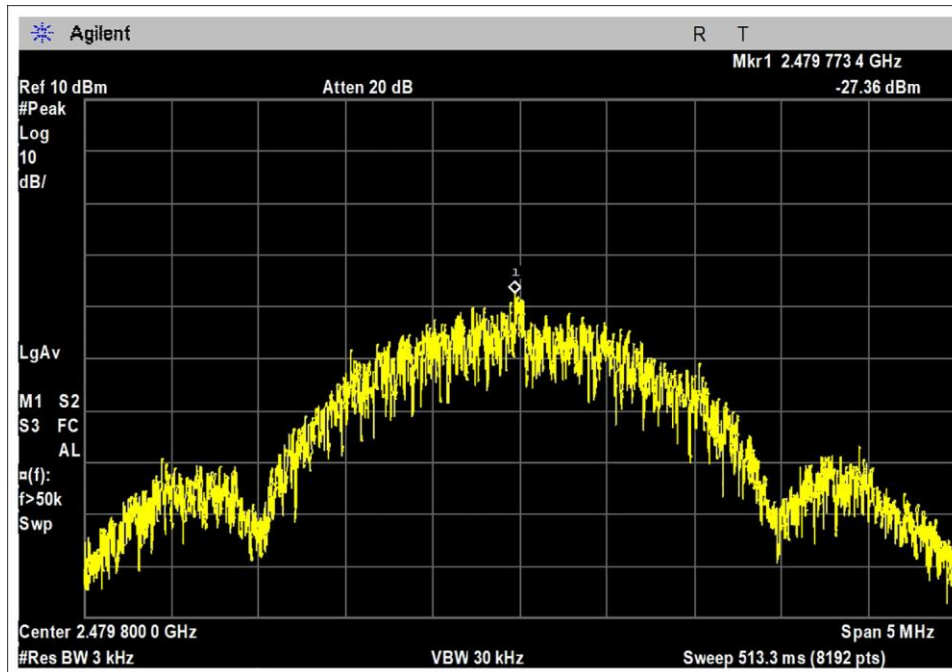


Middle Channel

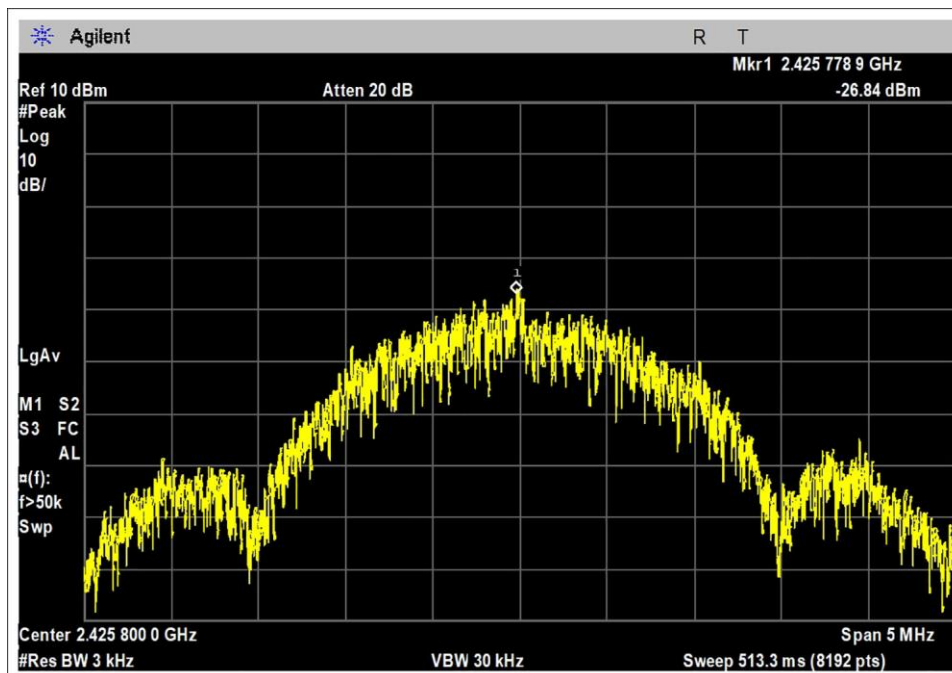


High Channel

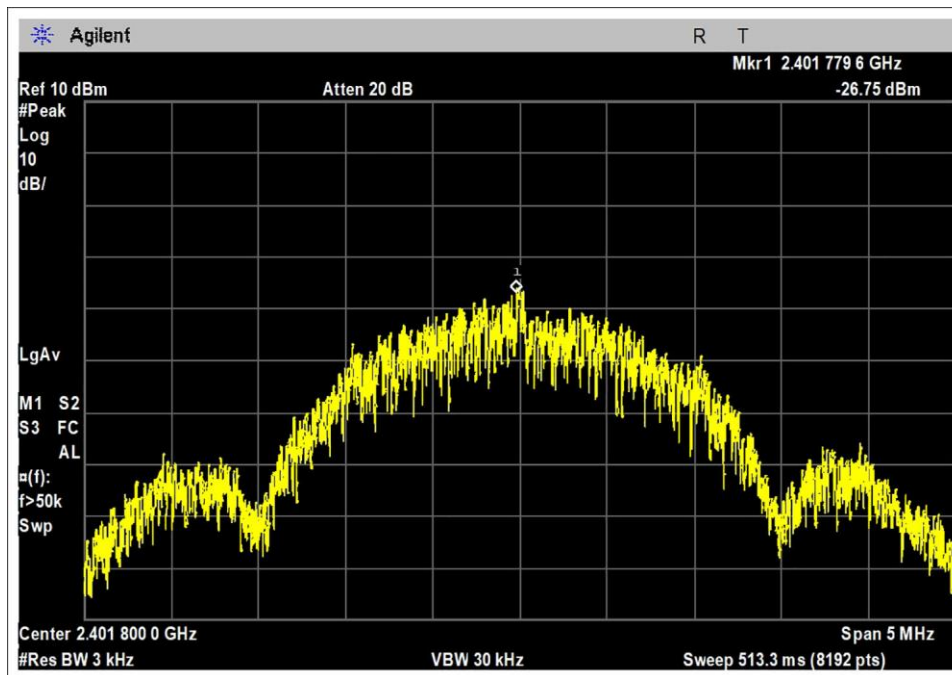
2MHz



Low Channel

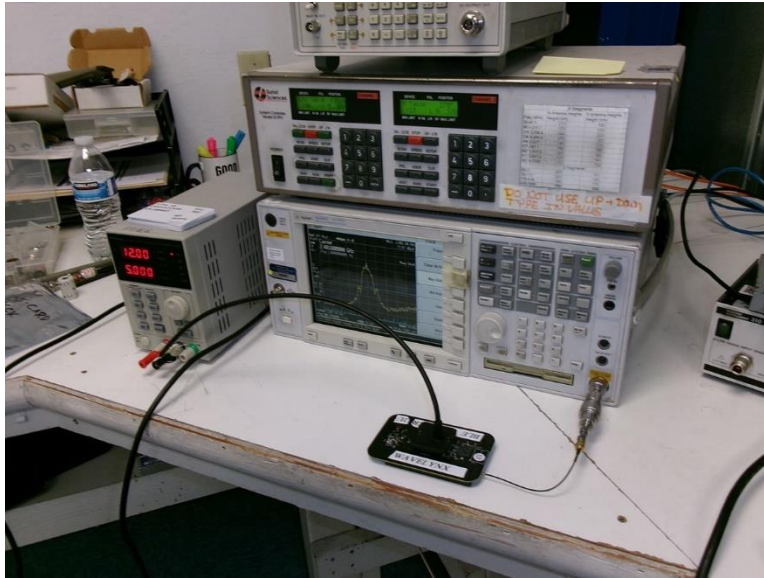


Middle Channel



High Channel

Test Setup Photo(s)



15.247(d) RF Conducted Emissions & Band Edge

Test Setup/Conditions

Test Location:	Fremont Chamber 3	Test Engineer:	Jonathan Wharton
Test Method:	ANSI C63.10 (2020), KDB 558074	Test Date(s):	7/23/2025
Configuration:	2		

Environmental Conditions

Temperature (°C)	23.1	Relative Humidity (%):	43
------------------	------	------------------------	----

Band Edge

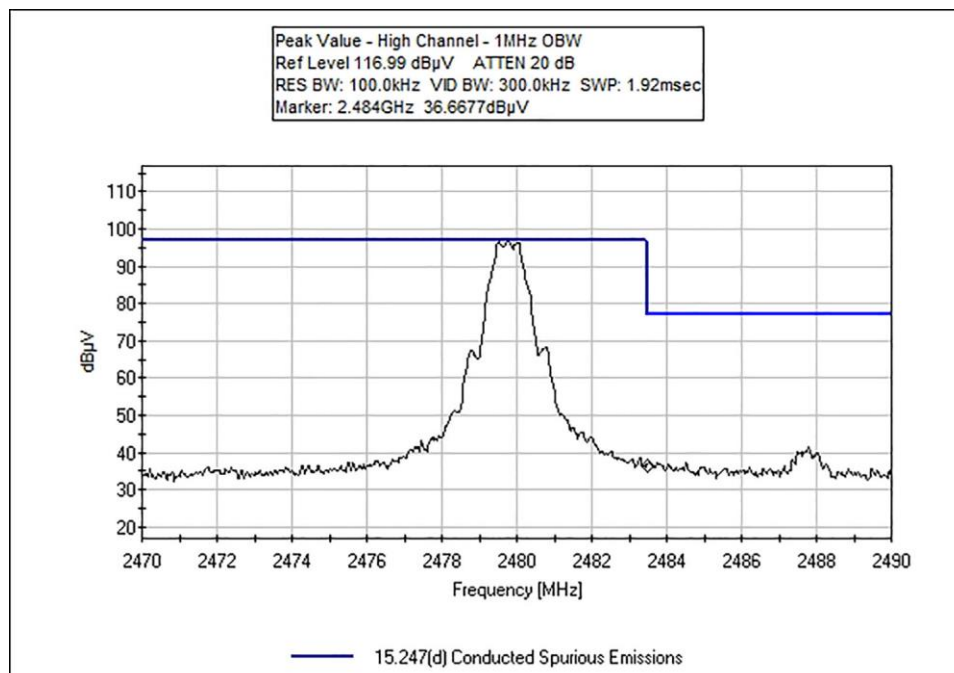
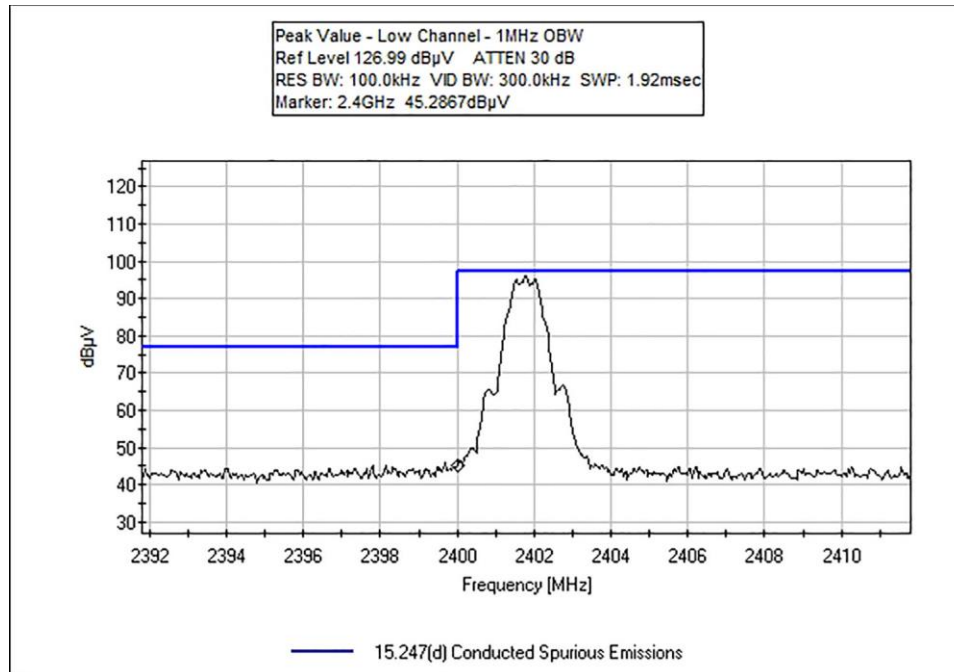
Band Edge Summary

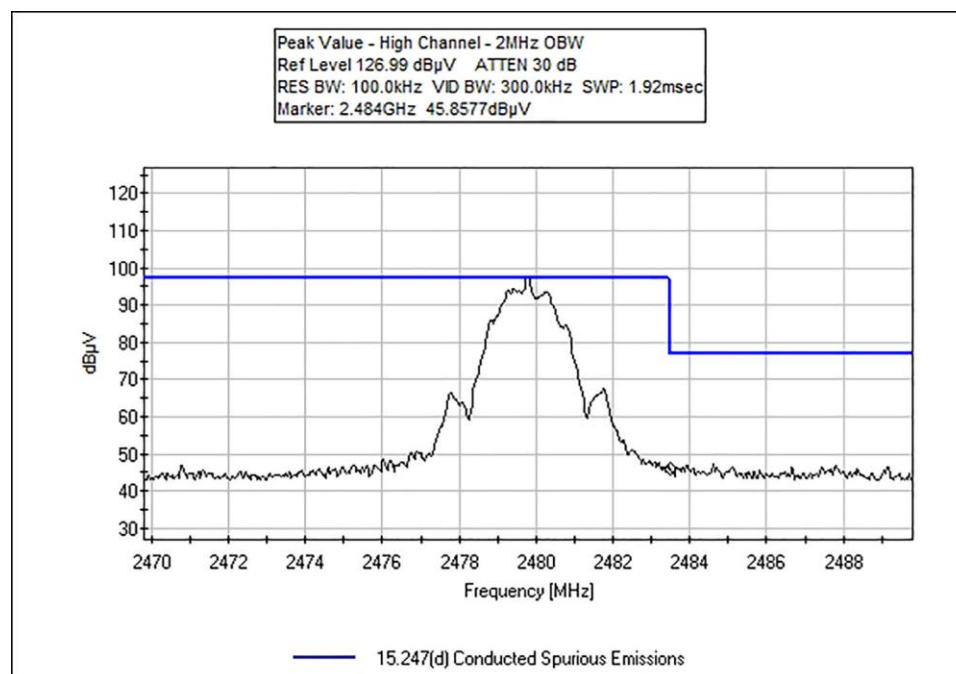
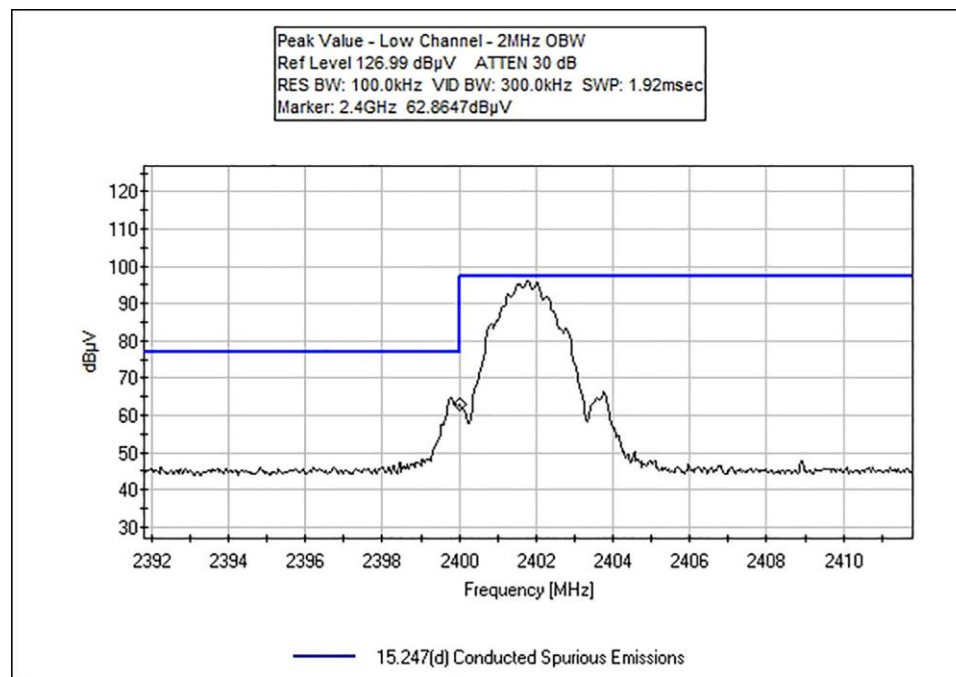
Limit applied: Max Power/100kHz - 20dB.

Frequency (MHz)	Modulation	Measured (dBm)	Limit (dBm)	Results
2400	GFSK 1MHz	-50.7	<-29.67	Pass
2400	GFSK 2MHz	-42.2	<-31.08	Pass
2483.5	GFSK 1MHz	-62.1	<-34.61	Pass
2483.5	GFSK 2MHz	-62.0	<-29.80	Pass

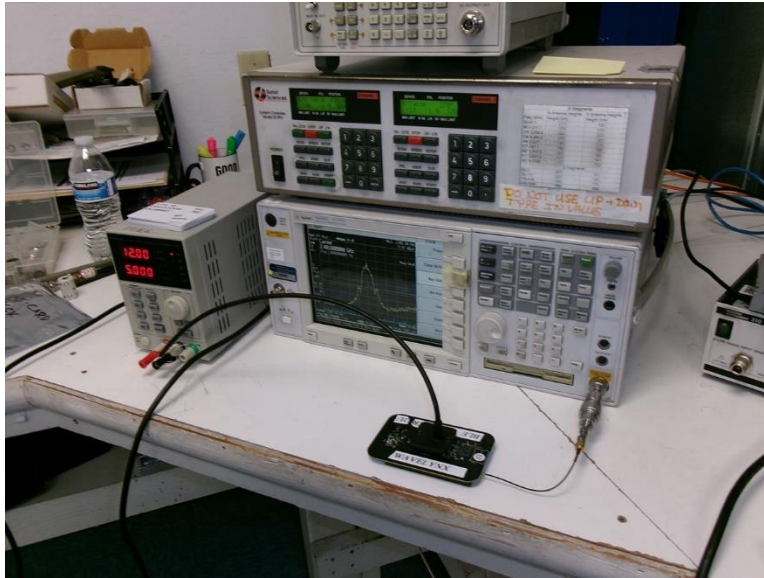
Band Edge Plots

NOTE: Displayed limit corrected for all measuring equipment for comparison with the data.





Test Setup Photo(s)



15.247(d) Radiated Emissions & Band Edge

Test Setup/Conditions

Test Location:	Fremont Chamber 3	Test Engineer:	Jonathan Wharton
Test Method:	ANSI C63.10 (2020), KDB 558074	Test Date(s):	7/30/2025, 8/1/2025, 8/21/2025, and 8/22/2025
Configuration:	2 and 4		

Environmental Conditions

Temperature (°C)	23.0	Relative Humidity (%):	47
------------------	------	------------------------	----

Test Setup / Conditions / Data

Test Location: CKC Laboratories, Inc. • 1120 Fulton Place • Fremont, CA 94539 • (510) 249-1170
 Customer: **WaveLynx Technologies Corporation**
 Specification: **15.247(d) / 15.209 Radiated Spurious Emissions**
 Work Order #: **111609** Date: 8/21/2025
 Test Type: **Radiated Scan** Time: 10:43:56
 Tested By: Jonathan Wharton Sequence#: 40
 Software: EMITest 5.03.20

Equipment Tested:

Device	Manufacturer	Model #	S/N
Configuration 2			

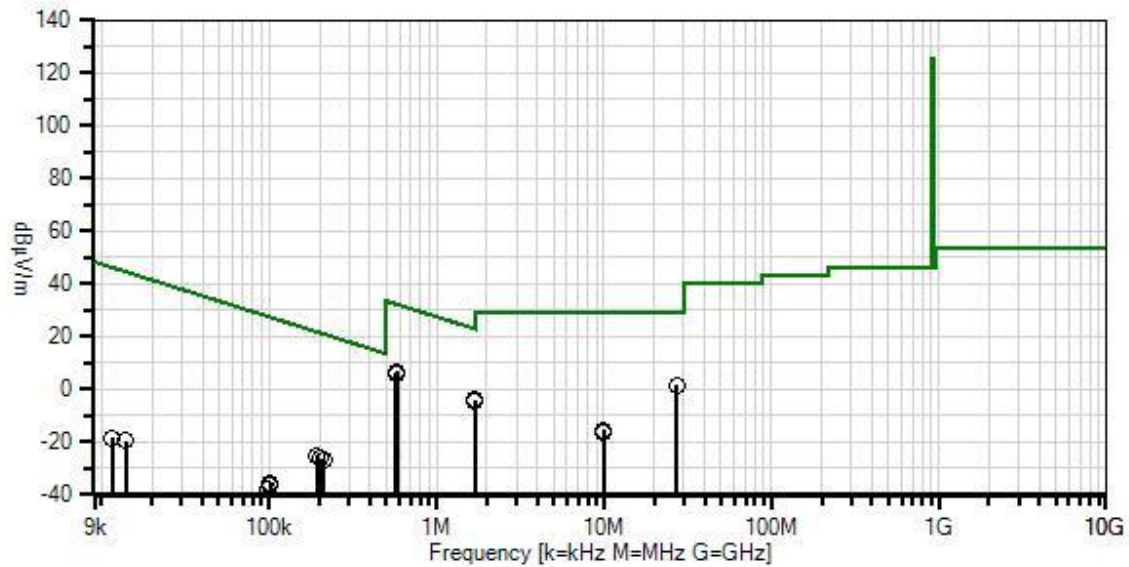
Support Equipment:

Device	Manufacturer	Model #	S/N
Configuration 2			

Test Conditions / Notes:

Radiated Spurious Emissions Frequency Range: 9kHz-30MHz Method: ANSI C63.10 Test Environment Conditions: Temperature: 22.9°C Humidity: 44% Pressure: 101.7kPa Highest generated frequency: 2480MHz The EUT is operated as intended. It is powered by a DC power supply at 12VDC. All functions are operational Note EUT does not have access to a receive only mode, EUT in normal operation.

WaveLynx Technologies Corporation W/O#: 111609 Sequence#: 40 Date: 8/21/2025
15.247(d) / 15.209 Radiated Spurious Emissions Test Distance: 3 Meters Ground Facing



— Readings
× QP Readings
▼ Ambient
○ Peak Readings
* Average Readings
Software Version: 5.03.20
— 1 - 15.247(d) / 15.209 Radiated Spurious Emissions

Test Equipment:

ID	Asset #	Description	Model	Calibration Date	Cal Due Date
	AN02660	Spectrum Analyzer	E4446A	1/7/2025	1/7/2027
T1	ANP06691	Cable	PE3062-180	3/20/2024	3/20/2026
T2	ANP00987	Cable		1/12/2024	1/12/2026
T3	AN00314	Loop Antenna	6502	5/3/2024	5/3/2026

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	578.790k	37.1	+0.0	+0.1	+9.8		-40.0	7.0	32.4	-25.4	Groun
2	572.930k	36.7	+0.0	+0.1	+9.8		-40.0	6.6	32.4	-25.8	Perpe
3	574.412k	36.0	+0.0	+0.1	+9.8		-40.0	5.9	32.4	-26.5	Paral
4	1.697M	26.2	+0.0	+0.1	+9.8		-40.0	-3.9	23.0	-26.9	Paral
5	1.694M	26.2	+0.0	+0.1	+9.8		-40.0	-3.9	23.1	-27.0	Perpe
6	1.690M	25.6	+0.0	+0.1	+9.8		-40.0	-4.5	23.1	-27.6	Groun
7	27.121M	35.1	+0.2	+0.6	+5.9		-40.0	1.8	29.5	-27.7	Groun
8	10.000M	15.5	+0.1	+0.3	+8.7		-40.0	-15.4	29.5	-44.9	Groun
9	10.005M	15.1	+0.1	+0.3	+8.7		-40.0	-15.8	29.5	-45.3	Paral
10	10.000M	14.4	+0.1	+0.3	+8.7		-40.0	-16.5	29.5	-46.0	Perpe
11	193.800k	45.3	+0.0	+0.0	+9.7		-80.0	-25.0	21.9	-46.9	Perpe
12	212.960k	43.9	+0.0	+0.0	+9.7		-80.0	-26.4	21.0	-47.4	Groun
13	203.360k	44.3	+0.0	+0.0	+9.7		-80.0	-26.0	21.4	-47.4	Paral
14	101.005k	34.6	+0.0	+0.0	+9.9		-80.0	-35.5	27.5	-63.0	Groun
15	101.755k	33.6	+0.0	+0.0	+9.9		-80.0	-36.5	27.4	-63.9	Paral
16	13.965k	45.1	+0.0	+0.0	+15.4		-80.0	-19.5	44.7	-64.2	Groun
17	11.610k	44.8	+0.0	+0.0	+16.8		-80.0	-18.4	46.3	-64.7	Paral
18	98.045k	32.1	+0.0	+0.0	+9.9		-80.0	-38.0	27.8	-65.8	Perpe

Test Location: CKC Laboratories, Inc. • 1120 Fulton Place • Fremont, CA 94539 • (510) 249-1170
 Customer: **WaveLynx Technologies Corporation**
 Specification: **15.209 Radiated Emissions**
 Work Order #: **111609** Date: 8/22/2025
 Test Type: **Radiated Scan** Time: 11:00:11
 Tested By: Jonathan Wharton Sequence#: 47
 Software: EMITest 5.03.20

Equipment Tested:

Device	Manufacturer	Model #	S/N
Configuration 4			

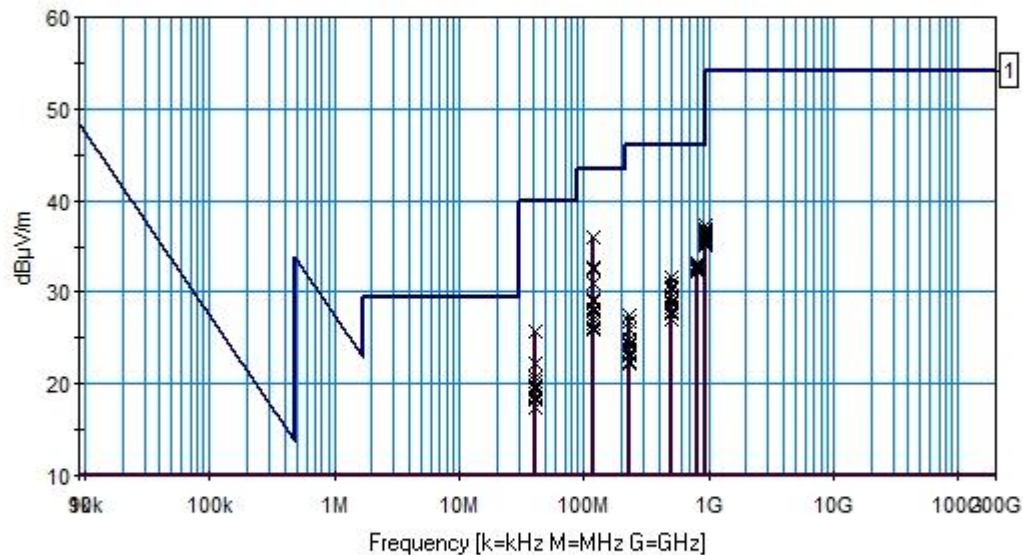
Support Equipment:

Device	Manufacturer	Model #	S/N
Configuration 4			

Test Conditions / Notes:

Radiated Spurious Emissions Frequency Range: 30MHz to 1GHz Test Environment Conditions: Temperature: 22.7°C Humidity: 45% Pressure: 101.6kPa Highest generated frequency: 2480MHz The EUT is operated as intended. It is powered by a DC power supply at 12VDC. All functions are operational Note Low Channel (1MHz/2MHz) / Mid Channel (1MHz/2MHz) / High Channel (1MHz/2MHz) / 125kHz / 13.5MHz

WaveLynx Technologies Corporation WO#: 111609 Sequence#: 47 Date: 8/22/2025
15.209 Radiated Emissions Test Distance: 3 Meters Horiz



— Sweep Data
— Readings
Software Version: 5.03.20

— 1 - 15.209 Radiated Emissions
× Peak Readings

Test Equipment:

ID	Asset #	Description	Model	Calibration Date	Cal Due Date
T1	AN01995	Biconilog Antenna	CBL6111C	5/16/2024	5/16/2026
T2	ANP00987	Cable		1/12/2024	1/12/2026
T3	ANP06691	Cable	PE3062-180	3/20/2024	3/20/2026
T4	ANP07508	Preamplifier	310N	4/5/2024	4/5/2026
T5	ANP01187	Cable	CNT-195	7/3/2024	7/3/2026
	AN02660	Spectrum Analyzer	E4446A	1/7/2025	1/7/2027

Measurement Data:

Reading listed by frequency.

Test Distance: 3 Meters

#	Freq MHz	Rdng dBμV	T1 T5 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBμV/m	Spec dBμV/m	Margin dB	Polar Ant
1	40.652M	34.2	+19.0 +0.2	+0.7	+0.2	-32.1	+0.0	22.2	40.0 13.56MHz Transmitter	-17.8	Horiz
2	40.657M	31.6	+19.0 +0.2	+0.7	+0.2	-32.1	+0.0	19.6	40.0 BLE High Channel (2MHz)	-20.4	Horiz
3	40.666M	30.3	+19.0 +0.2	+0.7	+0.2	-32.1	+0.0	18.3	40.0 BLE Mid Channel (2MHz)	-21.7	Vert
4	40.669M	32.3	+19.0 +0.2	+0.7	+0.2	-32.1	+0.0	20.3	40.0 BLE Low Channel (1MHz)	-19.7	Vert
5	40.671M	31.6	+19.0 +0.2	+0.7	+0.2	-32.1	+0.0	19.6	40.0 BLE Low Channel (2MHz)	-20.4	Vert
6	40.672M	30.6	+19.0 +0.2	+0.7	+0.2	-32.1	+0.0	18.6	40.0 BLE High Channel (2MHz)	-21.4	Vert
7	40.674M	29.4	+19.0 +0.2	+0.7	+0.2	-32.1	+0.0	17.4	40.0 BLE Mid Channel (2MHz)	-22.6	Horiz
8	40.676M	30.9	+19.0 +0.2	+0.7	+0.2	-32.1	+0.0	18.9	40.0 BLE Mid Channel (1MHz)	-21.1	Vert
9	40.678M	37.8	+19.0 +0.2	+0.7	+0.2	-32.1	+0.0	25.8	40.0 125kHz Transmitter	-14.2	Horiz
10	40.682M	31.9	+19.0 +0.2	+0.7	+0.2	-32.1	+0.0	19.9	40.0 BLE Low Channel (2MHz)	-20.1	Horiz
11	40.690M	34.2	+19.0 +0.2	+0.7	+0.2	-32.1	+0.0	22.2	40.0 BLE Low Channel (1MHz)	-17.8	Horiz
12	40.697M	32.8	+19.0 +0.2	+0.7	+0.2	-32.1	+0.0	20.8	40.0 BLE Mid Channel (1MHz)	-19.2	Horiz
13	40.697M	31.4	+19.0 +0.2	+0.7	+0.2	-32.1	+0.0	19.4	40.0 13.56MHz Transmitter	-20.6	Vert
14	40.698M	31.7	+19.0 +0.2	+0.7	+0.2	-32.1	+0.0	19.7	40.0 125kHz Transmitter	-20.3	Vert
15	40.702M	29.5	+19.0 +0.2	+0.7	+0.2	-32.1	+0.0	17.5	40.0 BLE High Channel (1MHz)	-22.5	Vert
16	40.732M	30.5	+19.0 +0.2	+0.7	+0.2	-32.1	+0.0	18.5	40.0 BLE High Channel (1MHz)	-21.5	Horiz

17	120.253M	44.6	+17.7 +0.3	+1.4	+0.4	-32.0	+0.0	32.4	43.5 13.56MHz Transmitter	-11.1	Vert
18	120.256M	40.4	+17.7 +0.3	+1.4	+0.4	-32.0	+0.0	28.2	43.5 BLE High Channel (1MHz)	-15.3	Vert
19	120.260M	43.2	+17.7 +0.3	+1.4	+0.4	-32.0	+0.0	31.0	43.5 BLE Low Channel (1MHz)	-12.5	Vert
20	120.278M	40.2	+17.7 +0.3	+1.4	+0.4	-32.0	+0.0	28.0	43.5 BLE High Channel (2MHz)	-15.5	Vert
21	120.282M	39.2	+17.7 +0.3	+1.4	+0.4	-32.0	+0.0	27.0	43.5 BLE High Channel (1MHz)	-16.5	Horiz
22	120.285M	41.2	+17.7 +0.3	+1.4	+0.4	-32.0	+0.0	29.0	43.5 BLE Mid Channel (1MHz)	-14.5	Vert
23	120.291M	38.3	+17.7 +0.3	+1.4	+0.4	-32.0	+0.0	26.1	43.5 BLE Low Channel (2MHz)	-17.4	Horiz
24	120.292M	38.9	+17.7 +0.3	+1.4	+0.4	-32.0	+0.0	26.7	43.5 BLE Mid Channel (1MHz)	-16.8	Horiz
25	120.295M	39.6	+17.7 +0.3	+1.4	+0.4	-32.0	+0.0	27.4	43.5 BLE High Channel (2MHz)	-16.1	Horiz
26	120.300M	43.1	+17.7 +0.3	+1.4	+0.4	-32.0	+0.0	30.9	43.5 BLE Low Channel (2MHz)	-12.6	Vert
27	120.314M	38.7	+17.7 +0.3	+1.4	+0.4	-32.0	+0.0	26.5	43.5 13.56MHz Transmitter	-17.0	Horiz
28	120.324M	38.2	+17.7 +0.3	+1.4	+0.4	-32.0	+0.0	26.0	43.5 BLE Low Channel (1MHz)	-17.5	Horiz
29	120.330M	48.2	+17.7 +0.3	+1.4	+0.4	-32.0	+0.0	36.0	43.5 125kHz Transmitter	-7.5	Horiz
30	120.334M	39.3	+17.7 +0.3	+1.4	+0.4	-32.0	+0.0	27.1	43.5 BLE Mid Channel (2MHz)	-16.4	Horiz
31	120.335M	44.8	+17.7 +0.3	+1.4	+0.4	-32.0	+0.0	32.6	43.5 125kHz Transmitter	-10.9	Vert
32	120.341M	41.4	+17.7 +0.3	+1.4	+0.4	-32.0	+0.0	29.2	43.5 BLE Mid Channel (2MHz)	-14.3	Vert
33	230.971M	37.6	+16.4 +0.4	+2.0	+0.5	-32.0	+0.0	24.9	46.0 BLE High Channel (2MHz)	-21.1	Vert
34	230.973M	37.1	+16.4 +0.4	+2.0	+0.5	-32.0	+0.0	24.4	46.0 BLE High Channel (2MHz)	-21.6	Horiz

35	230.984M	36.1	+16.4 +0.4	+2.0	+0.5	-32.0	+0.0	23.4	46.0 BLE Low Channel (2MHz)	-22.6	Horiz
36	231.008M	35.7	+16.4 +0.4	+2.0	+0.5	-32.0	+0.0	23.0	46.0 BLE Mid Channel (1MHz)	-23.0	Horiz
37	231.010M	39.6	+16.4 +0.4	+2.0	+0.5	-32.0	+0.0	26.9	46.0 125kHz Transmitter	-19.1	Vert
38	231.027M	38.7	+16.4 +0.4	+2.0	+0.5	-32.0	+0.0	26.0	46.0 BLE Low Channel (1MHz)	-20.0	Vert
39	231.033M	36.5	+16.4 +0.4	+2.0	+0.5	-32.0	+0.0	23.8	46.0 BLE Mid Channel (2MHz)	-22.2	Horiz
40	231.033M	36.5	+16.4 +0.4	+2.0	+0.5	-32.0	+0.0	23.8	46.0 BLE High Channel (1MHz)	-22.2	Vert
41	231.036M	37.2	+16.4 +0.4	+2.0	+0.5	-32.0	+0.0	24.5	46.0 BLE Mid Channel (2MHz)	-21.5	Vert
42	231.048M	35.0	+16.4 +0.4	+2.0	+0.5	-32.0	+0.0	22.3	46.0 13.56MHz Transmitter	-23.7	Horiz
43	231.051M	38.7	+16.4 +0.4	+2.0	+0.5	-32.0	+0.0	26.0	46.0 BLE Low Channel (2MHz)	-20.0	Vert
44	231.054M	35.1	+16.4 +0.4	+2.0	+0.5	-32.0	+0.0	22.4	46.0 BLE Low Channel (1MHz)	-23.6	Horiz
45	231.067M	36.4	+16.4 +0.4	+2.0	+0.5	-32.0	+0.0	23.7	46.0 BLE High Channel (1MHz)	-22.3	Horiz
46	231.080M	39.6	+16.4 +0.4	+2.0	+0.5	-32.0	+0.0	26.9	46.0 125kHz Transmitter	-19.1	Horiz
47	231.081M	37.0	+16.4 +0.4	+2.0	+0.5	-32.0	+0.0	24.3	46.0 BLE Mid Channel (1MHz)	-21.7	Vert
48	231.083M	40.1	+16.4 +0.4	+2.0	+0.5	-32.0	+0.0	27.4	46.0 13.56MHz Transmitter	-18.6	Vert
49	500.285M	30.2	+24.2 +0.7	+3.2	+0.8	-32.0	+0.0	27.1	46.0 BLE Low Channel (1MHz)	-18.9	Vert
50	500.295M	34.0	+24.2 +0.7	+3.2	+0.8	-32.0	+0.0	30.9	46.0 BLE High Channel (1MHz)	-15.1	Horiz
51	500.305M	30.9	+24.2 +0.7	+3.2	+0.8	-32.0	+0.0	27.8	46.0 BLE High Channel (1MHz)	-18.2	Vert
52	500.309M	31.9	+24.2 +0.7	+3.2	+0.8	-32.0	+0.0	28.8	46.0 BLE Low Channel (2MHz)	-17.2	Vert

53	500.319M	33.3	+24.2 +0.7	+3.2	+0.8	-32.0	+0.0	30.2	46.0 BLE High Channel (2MHz)	-15.8	Horiz
54	500.322M	32.2	+24.2 +0.7	+3.2	+0.8	-32.0	+0.0	29.1	46.0 125kHz Transmitter	-16.9	Vert
55	500.323M	31.5	+24.2 +0.7	+3.2	+0.8	-32.0	+0.0	28.4	46.0 13.56MHz Transmitter	-17.6	Vert
56	500.325M	33.6	+24.2 +0.7	+3.2	+0.8	-32.0	+0.0	30.5	46.0 13.56MHz Transmitter	-15.5	Horiz
57	500.328M	30.8	+24.2 +0.7	+3.2	+0.8	-32.0	+0.0	27.7	46.0 BLE Mid Channel (1MHz)	-18.3	Vert
58	500.328M	34.0	+24.2 +0.7	+3.2	+0.8	-32.0	+0.0	30.9	46.0 BLE Low Channel (2MHz)	-15.1	Horiz
59	500.329M	34.1	+24.2 +0.7	+3.2	+0.8	-32.0	+0.0	31.0	46.0 BLE Mid Channel (1MHz)	-15.0	Horiz
60	500.330M	32.5	+24.2 +0.7	+3.2	+0.8	-32.0	+0.0	29.4	46.0 125kHz Transmitter	-16.6	Horiz
61	500.335M	34.1	+24.2 +0.7	+3.2	+0.8	-32.0	+0.0	31.0	46.0 BLE Low Channel (1MHz)	-15.0	Horiz
62	500.335M	30.8	+24.2 +0.7	+3.2	+0.8	-32.0	+0.0	27.7	46.0 BLE High Channel (2MHz)	-18.3	Vert
63	500.340M	34.8	+24.2 +0.7	+3.2	+0.8	-32.0	+0.0	31.7	46.0 BLE Mid Channel (2MHz)	-14.3	Horiz
64	500.376M	31.4	+24.2 +0.7	+3.2	+0.8	-32.0	+0.0	28.3	46.0 BLE Mid Channel (2MHz)	-17.7	Vert
65	823.684M	29.9	+28.4 +0.9	+4.3	+1.2	-31.9	+0.0	32.8	46.0 BLE Mid Channel (1MHz)	-13.2	Vert
66	823.741M	29.3	+28.4 +0.9	+4.3	+1.2	-31.9	+0.0	32.2	46.0 BLE Mid Channel (1MHz)	-13.8	Horiz
67	823.780M	30.0	+28.4 +0.9	+4.3	+1.2	-31.9	+0.0	32.9	46.0 125kHz Transmitter	-13.1	Horiz
68	823.811M	29.6	+28.4 +0.9	+4.3	+1.2	-31.9	+0.0	32.5	46.0 BLE Low Channel (1MHz)	-13.5	Horiz
69	823.818M	29.3	+28.4 +0.9	+4.3	+1.2	-31.9	+0.0	32.2	46.0 BLE High Channel (2MHz)	-13.8	Vert
70	823.832M	30.2	+28.4 +0.9	+4.3	+1.2	-31.9	+0.0	33.1	46.0 BLE Low Channel (2MHz)	-12.9	Vert

71	823.833M	30.2	+28.4 +0.9	+4.3	+1.2	-31.9	+0.0	33.1	46.0 13.56MHz Transmitter	-12.9	Horiz
72	823.837M	29.3	+28.4 +0.9	+4.3	+1.2	-31.9	+0.0	32.2	46.0 BLE High Channel (1MHz)	-13.8	Vert
73	823.848M	29.6	+28.4 +0.9	+4.3	+1.2	-31.9	+0.0	32.5	46.0 BLE Mid Channel (2MHz)	-13.5	Horiz
74	823.849M	30.1	+28.4 +0.9	+4.3	+1.2	-31.9	+0.0	33.0	46.0 125kHz Transmitter	-13.0	Vert
75	823.849M	29.8	+28.4 +0.9	+4.3	+1.2	-31.9	+0.0	32.7	46.0 BLE Low Channel (2MHz)	-13.3	Horiz
76	823.853M	29.5	+28.4 +0.9	+4.3	+1.2	-31.9	+0.0	32.4	46.0 BLE Mid Channel (2MHz)	-13.6	Vert
77	823.860M	30.2	+28.4 +0.9	+4.3	+1.2	-31.9	+0.0	33.1	46.0 BLE High Channel (2MHz)	-12.9	Horiz
78	823.886M	29.9	+28.4 +0.9	+4.3	+1.2	-31.9	+0.0	32.8	46.0 13.56MHz Transmitter	-13.2	Vert
79	823.906M	29.9	+28.4 +0.9	+4.3	+1.2	-31.9	+0.0	32.8	46.0 BLE Low Channel (1MHz)	-13.2	Vert
80	823.918M	29.3	+28.4 +0.9	+4.3	+1.2	-31.9	+0.0	32.2	46.0 BLE High Channel (1MHz)	-13.8	Horiz
81	938.070M	29.2	+30.4 +1.0	+4.6	+1.3	-31.1	+0.0	35.4	46.0 BLE High Channel (1MHz)	-10.6	Horiz
82	938.087M	30.2	+30.4 +1.0	+4.6	+1.3	-31.1	+0.0	36.4	46.0 BLE Mid Channel (2MHz)	-9.6	Horiz
83	938.096M	28.9	+30.4 +1.0	+4.6	+1.3	-31.1	+0.0	35.1	46.0 BLE High Channel (2MHz)	-10.9	Vert
84	938.107M	29.7	+30.4 +1.0	+4.6	+1.3	-31.1	+0.0	35.9	46.0 BLE Mid Channel (2MHz)	-10.1	Vert
85	938.118M	29.2	+30.4 +1.0	+4.6	+1.3	-31.1	+0.0	35.4	46.0 BLE Low Channel (2MHz)	-10.6	Vert
86	938.127M	29.3	+30.4 +1.0	+4.6	+1.3	-31.1	+0.0	35.5	46.0 BLE Mid Channel (1MHz)	-10.5	Horiz
87	938.127M	29.3	+30.4 +1.0	+4.6	+1.3	-31.1	+0.0	35.5	46.0 BLE Mid Channel (1MHz)	-10.5	Vert
88	938.166M	30.4	+30.4 +1.0	+4.6	+1.3	-31.1	+0.0	36.6	46.0 BLE High Channel	-9.4	Horiz

									(2MHz)		
89	938.200M	29.7	+30.5 +1.0	+4.6	+1.3	-31.1	+0.0	36.0	46.0 125kHz Transmitter	-10.0	Vert
90	938.218M	29.4	+30.5 +1.0	+4.6	+1.3	-31.1	+0.0	35.7	46.0 13.56MHz Transmitter	-10.3	Horiz
91	938.226M	30.9	+30.5 +1.0	+4.6	+1.3	-31.1	+0.0	37.2	46.0 BLE High Channel (1MHz)	-8.8	Vert
92	938.230M	30.1	+30.5 +1.0	+4.6	+1.3	-31.1	+0.0	36.4	46.0 125kHz Transmitter	-9.6	Horiz
93	938.265M	30.6	+30.5 +1.0	+4.6	+1.3	-31.1	+0.0	36.9	46.0 BLE Low Channel (2MHz)	-9.1	Horiz
94	938.281M	30.9	+30.5 +1.0	+4.6	+1.3	-31.1	+0.0	37.2	46.0 13.56MHz Transmitter	-8.8	Vert
95	938.324M	30.4	+30.5 +1.0	+4.6	+1.3	-31.1	+0.0	36.7	46.0 BLE Low Channel (1MHz)	-9.3	Vert
96	938.329M	29.9	+30.5 +1.0	+4.6	+1.3	-31.1	+0.0	36.2	46.0 BLE Low Channel (1MHz)	-9.8	Horiz

Test Location: CKC Laboratories, Inc. • 1120 Fulton Place • Fremont, CA 94539 • (510) 249-1170
 Customer: **WaveLynx Technologies Corporation**
 Specification: **15.247(d) / 15.209 Radiated Spurious Emissions**
 Work Order #: **111609** Date: 7/30/2025
 Test Type: **Radiated Scan** Time: 09:25:12
 Tested By: Jonathan Wharton Sequence#: 16
 Software: EMITest 5.03.20

Equipment Tested:

Device	Manufacturer	Model #	S/N
Configuration 4			

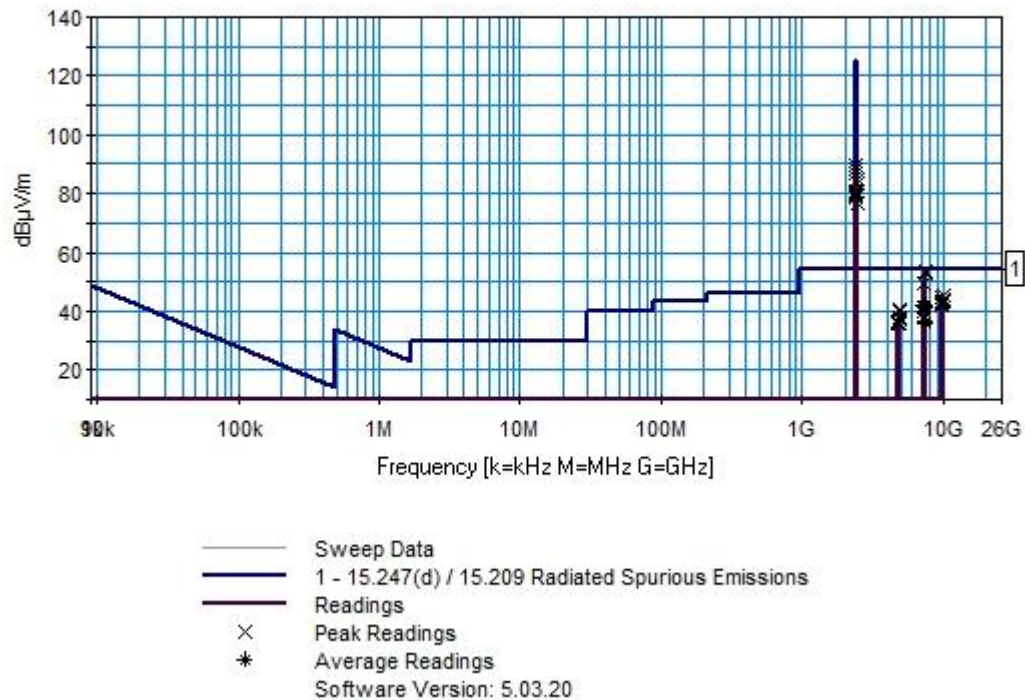
Support Equipment:

Device	Manufacturer	Model #	S/N
Configuration 4			

Test Conditions / Notes:

Radiated Spurious Emissions Frequency Range: 1GHz to 12GHz Test Environment Conditions: Temperature: 22.7°C Humidity: 45% Pressure: 101.6kPa Highest generated frequency: 2480MHz The EUT is operated as intended. It is powered by a DC power supply at 12VDC. All functions are operational Note Low Channel (1MHz/2MHz) / Mid Channel (1MHz/2MHz) / High Channel (1MHz/2MHz) / 125kHz / 13.5MHz

WaveLynx Technologies Corporation WO#: 111609 Sequence#: 16 Date: 7/30/2025
15.247(d) / 15.209 Radiated Spurious Emissions Test Distance: 3 Meters Vert



Test Equipment:

ID	Asset #	Description	Model	Calibration Date	Cal Due Date
T1	AN02157ANSI	Horn Antenna	3115	2/12/2025	2/12/2027
T2	ANP06904	Cable	32022-29094K-29094K-36TC	1/9/2024	1/9/2026
T3	AN03309	High Pass Filter	11SH10-3000/T10000-O/O	4/28/2025	4/28/2027
T4	AN03861	Preamp	BZRY-00101800-251057-202222	2/11/2025	2/11/2027
T5	ANP01210	Cable	FSJ1P-50A-4A	1/9/2024	1/9/2026
T6	AN03302	Cable	32026-29094K-29094K-72TC	1/9/2024	1/9/2026
	AN02660	Spectrum Analyzer	E4446A	1/7/2025	1/7/2027

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	7440.100M	71.0	+36.4 +4.6	+1.4 +2.6	+0.3	-62.9	+0.0	53.4	54.0 High Channel (1MHz)	-0.6	Horiz
2	7440.100M	70.3	+36.4 +4.6	+1.4 +2.6	+0.3	-62.9	+0.0	52.7	54.0 High Channel (1MHz)	-1.3	Vert
3	7206.760M	68.0	+35.4 +4.5	+1.4 +2.5	+0.3	-62.5	+0.0	49.6	54.0 Low Channel (2MHz)	-4.4	Horiz
4	9920.820M	59.4	+38.1 +5.8	+1.7 +3.0	+0.3	-63.1	+0.0	45.2	54.0 High Channel (2MHz)	-8.8	Vert
5	9781.920M	59.2	+37.8 +5.9	+1.6 +3.0	+0.3	-63.0	+0.0	44.8	54.0 Mid Channel (2MHz)	-9.2	Vert
6	9781.700M	58.8	+37.8 +5.9	+1.6 +3.0	+0.3	-63.0	+0.0	44.4	54.0 Mid Channel (1MHz)	-9.6	Horiz
7	9920.100M	58.0	+38.1 +5.8	+1.7 +3.0	+0.3	-63.1	+0.0	43.8	54.0 High Channel (1MHz)	-10.2	Horiz
8	9920.100M	58.0	+38.1 +5.8	+1.7 +3.0	+0.3	-63.1	+0.0	43.8	54.0 High Channel (1MHz)	-10.2	Vert
9	9920.820M	57.5	+38.1 +5.8	+1.7 +3.0	+0.3	-63.1	+0.0	43.3	54.0 High Channel (2MHz)	-10.7	Horiz
10	9608.740M	58.2	+37.4 +5.9	+1.6 +3.0	+0.3	-63.2	+0.0	43.2	54.0 Low Channel (2MHz)	-10.8	Horiz
11	9608.740M	58.2	+37.4 +5.9	+1.6 +3.0	+0.3	-63.2	+0.0	43.2	54.0 Low Channel (2MHz)	-10.8	Vert
12	9781.860M	57.2	+37.8 +5.9	+1.6 +3.0	+0.3	-63.0	+0.0	42.8	54.0 Mid Channel (2MHz)	-11.2	Horiz
13	9608.000M	57.7	+37.4 +5.9	+1.6 +3.0	+0.3	-63.2	+0.0	42.7	54.0 Low Channel (1MHz)	-11.3	Vert
14	7278.100M Ave	60.3	+35.9 +4.5	+1.4 +2.6	+0.3	-62.8	+0.0	42.2	54.0 Mid Channel (1MHz)	-11.8	Horiz
^	7278.100M	72.4	+35.9 +4.5	+1.4 +2.6	+0.3	-62.8	+0.0	54.3	54.0 Mid Channel (1MHz)	+0.3	Horiz
16	7440.000M Ave	59.6	+36.4 +4.6	+1.4 +2.6	+0.3	-62.9	+0.0	42.0	54.0 High Channel	-12.0	Horiz

									(1MHz)		
17	9606.000M	56.7	+37.4 +5.9	+1.6 +3.0	+0.3	-63.2	+0.0	41.7	54.0 Low Channel (1MHz)	-12.3	Horiz
18	7329.920M	59.1	+36.3 +4.6	+1.4 +2.6	+0.3	-62.7	+0.0	41.6	54.0 Mid Channel (2MHz)	-12.4	Vert
19	7440.000M Ave	59.0	+36.4 +4.6	+1.4 +2.6	+0.3	-62.9	+0.0	41.4	54.0 High Channel (1MHz)	-12.6	Vert
20	4960.100M	63.5	+32.7 +3.6	+1.1 +2.0	+0.3	-62.9	+0.0	40.3	54.0 High Channel (1MHz)	-13.7	Vert
21	7329.860M	57.6	+36.3 +4.6	+1.4 +2.6	+0.3	-62.7	+0.0	40.1	54.0 Mid Channel (2MHz)	-13.9	Horiz
22	4877.920M	62.8	+33.0 +3.6	+1.1 +2.0	+0.3	-63.0	+0.0	39.8	54.0 Mid Channel (2MHz)	-14.2	Vert
23	7206.000M	56.6	+35.4 +4.5	+1.4 +2.5	+0.3	-62.5	+0.0	38.2	54.0 Low Channel (1MHz)	-15.8	Vert
24	4877.860M	61.0	+33.0 +3.6	+1.1 +2.0	+0.3	-63.0	+0.0	38.0	54.0 Mid Channel (2MHz)	-16.0	Horiz
25	4960.820M	60.6	+32.7 +3.6	+1.1 +2.0	+0.3	-62.9	+0.0	37.4	54.0 High Channel (2MHz)	-16.6	Vert
26	4960.100M	60.2	+32.7 +3.6	+1.1 +2.0	+0.3	-62.9	+0.0	37.0	54.0 High Channel (2MHz)	-17.0	Horiz
27	4804.000M	60.2	+32.6 +3.6	+1.1 +2.0	+0.3	-63.0	+0.0	36.8	54.0 Low Channel (2MHz)	-17.2	Vert
28	4804.000M	60.2	+32.6 +3.6	+1.1 +2.0	+0.3	-63.0	+0.0	36.8	54.0 Low Channel (1MHz)	-17.2	Vert
29	7440.820M Ave	54.2	+36.4 +4.6	+1.4 +2.6	+0.3	-62.9	+0.0	36.6	54.0 High Channel (2MHz)	-17.4	Horiz
^	7440.820M	71.0	+36.4 +4.6	+1.4 +2.6	+0.3	-62.9	+0.0	53.4	54.0 High Channel (2MHz)	-0.6	Horiz
31	4851.620M	59.0	+33.0 +3.6	+1.1 +2.0	+0.3	-62.8	+0.0	36.2	54.0 Mid Channel (1MHz)	-17.8	Horiz
32	7440.820M Ave	53.7	+36.4 +4.6	+1.4 +2.6	+0.3	-62.9	+0.0	36.1	54.0 High Channel (2MHz)	-17.9	Vert
^	7440.820M	69.5	+36.4 +4.6	+1.4 +2.6	+0.3	-62.9	+0.0	51.9	54.0 High Channel (2MHz)	-2.1	Vert

34	4803.780M	59.4	+32.6 +3.6	+1.1 +2.0	+0.3	-63.0	+0.0	36.0	54.0 Low Channel (1MHz)	-18.0	Horiz
35	4960.100M	58.9	+32.7 +3.6	+1.1 +2.0	+0.3	-62.9	+0.0	35.7	54.0 High Channel (1MHz)	-18.3	Horiz
36	4804.760M	59.0	+32.6 +3.6	+1.1 +2.0	+0.3	-63.0	+0.0	35.6	54.0 Low Channel (2MHz)	-18.4	Horiz
37	2425.380M	85.0	+28.3 +2.5	+0.8 +1.4	+33.7	-62.1	+0.0	89.6	125.2 Mid Channel (2MHz)	-35.6	Vert
38	2402.000M	82.4	+28.1 +2.5	+0.7 +1.4	+35.2	-62.2	+0.0	88.1	125.2 Low Channel (1MHz)	-37.1	Vert
39	2402.000M	81.5	+28.1 +2.5	+0.7 +1.4	+35.2	-62.2	+0.0	87.2	125.2 Low Channel (2MHz)	-38.0	Vert
40	2480.100M	84.7	+28.4 +2.6	+0.8 +1.4	+29.1	-62.3	+0.0	84.7	125.2 High Channel (1MHz)	-40.5	Vert
41	2479.220M	83.3	+28.4 +2.6	+0.8 +1.4	+29.1	-62.3	+0.0	83.3	125.2 High Channel (2MHz)	-41.9	Vert
42	2401.780M	74.7	+28.1 +2.5	+0.7 +1.4	+35.3	-62.2	+0.0	80.5	125.2 Low Channel (1MHz)	-44.7	Horiz
43	2425.860M	75.8	+28.3 +2.5	+0.8 +1.4	+33.7	-62.1	+0.0	80.4	125.2 Mid Channel (1MHz)	-44.8	Horiz
44	2425.820M	74.9	+28.3 +2.5	+0.8 +1.4	+33.7	-62.1	+0.0	79.5	125.2 Mid Channel (2MHz)	-45.7	Horiz
45	2402.280M	72.9	+28.1 +2.5	+0.7 +1.4	+35.2	-62.2	+0.0	78.6	125.2 Low Channel (2MHz)	-46.6	Horiz
46	2480.100M	76.7	+28.4 +2.6	+0.8 +1.4	+29.1	-62.3	+0.0	76.7	125.2 High Channel (2MHz)	-48.5	Horiz
47	2480.100M	76.4	+28.4 +2.6	+0.8 +1.4	+29.1	-62.3	+0.0	76.4	125.2 High Channel (1MHz)	-48.8	Horiz

Test Location: CKC Laboratories, Inc. • 1120 Fulton Place • Fremont, CA 94539 • (510) 249-1170
 Customer: **WaveLynx Technologies Corporation**
 Specification: **15.247(d) / 15.209 Radiated Spurious Emissions**
 Work Order #: **111609** Date: 8/1/2025
 Test Type: **Radiated Scan** Time: 11:43:07
 Tested By: Jonathan Wharton Sequence#: 33
 Software: EMITest 5.03.20

Equipment Tested:

Device	Manufacturer	Model #	S/N
Configuration 4			

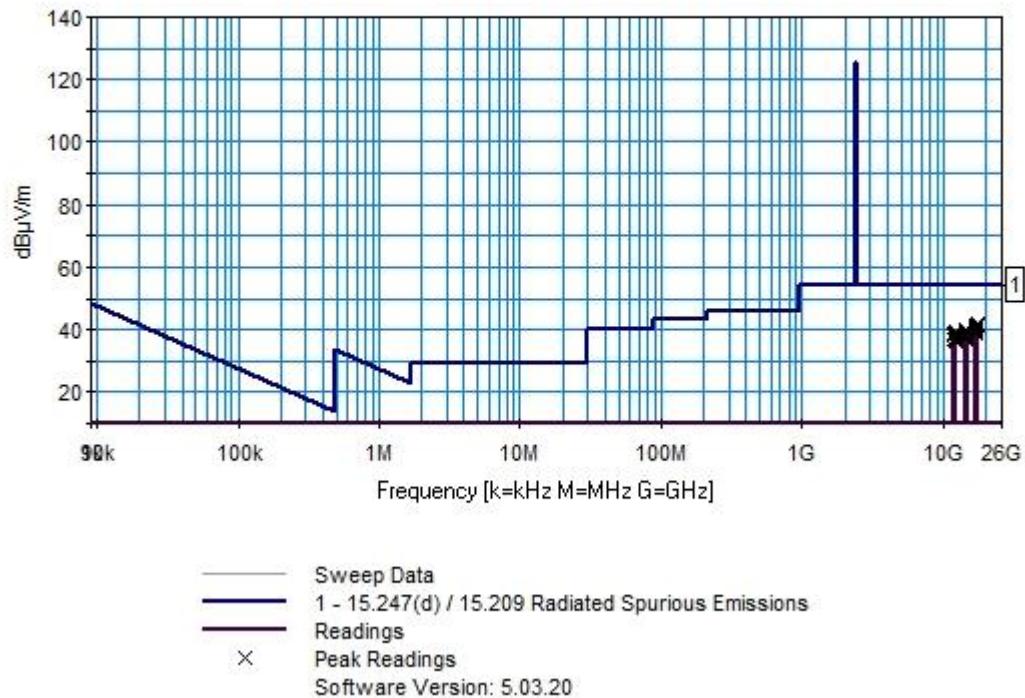
Support Equipment:

Device	Manufacturer	Model #	S/N
Configuration 4			

Test Conditions / Notes:

Radiated Spurious Emissions Frequency Range: 12GHz to 18GHz Test Environment Conditions: Temperature: 22.7°C Humidity: 45% Pressure: 101.6kPa Highest generated frequency: 2480MHz The EUT is operated as intended. It is powered by a DC power supply at 12VDC. All functions are operational Note Low Channel (1MHz/2MHz) / Mid Channel (1MHz/2MHz) / High Channel (1MHz/2MHz) / 125kHz / 13.5MHz
--

WaveLynx Technologies Corporation WO#: 111609 Sequence#: 33 Date: 8/1/2025
15.247(d) / 15.209 Radiated Spurious Emissions Test Distance: 3 Meters Horiz



Test Equipment:

ID	Asset #	Description	Model	Calibration Date	Cal Due Date
	AN02660	Spectrum Analyzer	E4446A	1/7/2025	1/7/2027
T1	ANP07703	Cable	32022-29094K-29094K-120TC	8/16/2024	8/16/2026
T2	ANP00928	Cable	various	1/26/2024	1/26/2026
T3	ANP07705	Cable	32022-29094K-29094K-120TC	8/16/2024	8/16/2026
T4	AN02693	Active Horn Antenna	AMFW-5F-12001800-20-10P	1/9/2024	1/9/2026

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	17360.030 M	41.3	+6.0	+0.5	+5.8	-11.3	+0.0	42.3	54.0	-11.7	Horiz
									High Channel (2MHz)		
2	17360.030 M	40.7	+6.0	+0.5	+5.8	-11.3	+0.0	41.7	54.0	-12.3	Vert
									High Channel (2MHz)		
3	17360.030 M	40.7	+6.0	+0.5	+5.8	-11.3	+0.0	41.7	54.0	-12.3	Vert
									High Channel (1MHz)		
4	17360.030 M	40.6	+6.0	+0.5	+5.8	-11.3	+0.0	41.6	54.0	-12.4	Horiz
									High Channel (1MHz)		
5	16982.030 M	41.8	+6.0	+0.5	+5.8	-12.5	+0.0	41.6	54.0	-12.4	Horiz
									Mid Channel (2MHz)		
6	16982.030 M	41.5	+6.0	+0.5	+5.8	-12.5	+0.0	41.3	54.0	-12.7	Vert
									Mid Channel (1MHz)		
7	16814.030 M	41.9	+5.9	+0.5	+5.7	-13.2	+0.0	40.8	54.0	-13.2	Vert
									Low Channel (1MHz)		
8	16814.030 M	41.8	+5.9	+0.5	+5.7	-13.2	+0.0	40.7	54.0	-13.3	Horiz
									Low Channel (2MHz)		
9	16982.030 M	40.6	+6.0	+0.5	+5.8	-12.5	+0.0	40.4	54.0	-13.6	Horiz
									Mid Channel (1MHz)		
10	14412.030 M	42.4	+5.5	+0.6	+5.3	-13.6	+0.0	40.2	54.0	-13.8	Horiz
									Low Channel (2MHz)		
11	16982.030 M	40.2	+6.0	+0.5	+5.8	-12.5	+0.0	40.0	54.0	-14.0	Vert
									Mid Channel (2MHz)		
12	14556.000 M	41.9	+5.5	+0.6	+5.3	-13.4	+0.0	39.9	54.0	-14.1	Horiz
									Mid Channel (2MHz)		

13	16814.030 M	40.6	+5.9	+0.5	+5.7	-13.2	+0.0	39.5	54.0	-14.5	Vert
									Low Channel (2MHz)		
14	14412.030 M	41.7	+5.5	+0.6	+5.3	-13.6	+0.0	39.5	54.0	-14.5	Horiz
									Low Channel (1MHz)		
15	14880.030 M	41.0	+5.6	+0.6	+5.4	-13.2	+0.0	39.4	54.0	-14.6	Vert
									High Channel (2MHz)		
16	14880.030 M	41.0	+5.6	+0.6	+5.4	-13.2	+0.0	39.4	54.0	-14.6	Vert
									High Channel (1MHz)		
17	14880.030 M	41.0	+5.6	+0.6	+5.4	-13.2	+0.0	39.4	54.0	-14.6	Horiz
									High Channel (1MHz)		
18	12130.030 M	42.3	+5.0	+0.7	+4.8	-13.6	+0.0	39.2	54.0	-14.8	Horiz
									Mid Channel (1MHz)		
19	16814.030 M	40.1	+5.9	+0.5	+5.7	-13.2	+0.0	39.0	54.0	-15.0	Horiz
									Low Channel (1MHz)		
20	12010.030 M	41.9	+4.9	+0.7	+4.7	-13.2	+0.0	39.0	54.0	-15.0	Horiz
									Low Channel (1MHz)		
21	12400.030 M	42.1	+5.0	+0.6	+4.8	-13.8	+0.0	38.7	54.0	-15.3	Horiz
									High Channel (1MHz)		
22	14556.030 M	40.5	+5.5	+0.6	+5.3	-13.4	+0.0	38.5	54.0	-15.5	Horiz
									Mid Channel (1MHz)		
23	14412.030 M	40.6	+5.5	+0.6	+5.3	-13.6	+0.0	38.4	54.0	-15.6	Vert
									Low Channel (1MHz)		
24	14556.030 M	40.3	+5.5	+0.6	+5.3	-13.4	+0.0	38.3	54.0	-15.7	Vert
									Mid Channel (2MHz)		
25	12010.030 M	40.9	+4.9	+0.7	+4.7	-13.2	+0.0	38.0	54.0	-16.0	Vert
									Low Channel (2MHz)		

26	14556.030 M	39.8	+5.5	+0.6	+5.3	-13.4	+0.0	37.8	54.0	-16.2	Vert
									Mid Channel (1MHz)		
27	12400.030 M	40.9	+5.0	+0.6	+4.8	-13.8	+0.0	37.5	54.0	-16.5	Vert
									High Channel (1MHz)		
28	14880.030 M	38.9	+5.6	+0.6	+5.4	-13.2	+0.0	37.3	54.0	-16.7	Horiz
									High Channel (2MHz)		
29	12400.030 M	40.6	+5.0	+0.6	+4.8	-13.8	+0.0	37.2	54.0	-16.8	Vert
									High Channel (2MHz)		
30	12010.030 M	40.1	+4.9	+0.7	+4.7	-13.2	+0.0	37.2	54.0	-16.8	Vert
									Low Channel (1MHz)		
31	12130.030 M	40.2	+5.0	+0.7	+4.8	-13.6	+0.0	37.1	54.0	-16.9	Vert
									Mid Channel (2MHz)		
32	12130.030 M	40.1	+5.0	+0.7	+4.8	-13.6	+0.0	37.0	54.0	-17.0	Vert
									Mid Channel (1MHz)		
33	14412.030 M	39.2	+5.5	+0.6	+5.3	-13.6	+0.0	37.0	54.0	-17.0	Vert
									Low Channel (2MHz)		
34	12400.030 M	40.2	+5.0	+0.6	+4.8	-13.8	+0.0	36.8	54.0	-17.2	Horiz
									High Channel (2MHz)		
35	12010.030 M	39.7	+4.9	+0.7	+4.7	-13.2	+0.0	36.8	54.0	-17.2	Horiz
									Low Channel (2MHz)		
36	12130.000 M	39.5	+5.0	+0.7	+4.8	-13.6	+0.0	36.4	54.0	-17.6	Horiz
									Mid Channel (2MHz)		

Test Location: CKC Laboratories, Inc. • 1120 Fulton Place • Fremont, CA 94539 • (510) 249-1170
 Customer: **WaveLynx Technologies Corporation**
 Specification: **15.247(d) / 15.209 Radiated Spurious Emissions**
 Work Order #: **111609** Date: 8/1/2025
 Test Type: **Radiated Scan** Time: 12:04:12
 Tested By: Jonathan Wharton Sequence#: 34
 Software: EMITest 5.03.20

Equipment Tested:

Device	Manufacturer	Model #	S/N
Configuration 4			

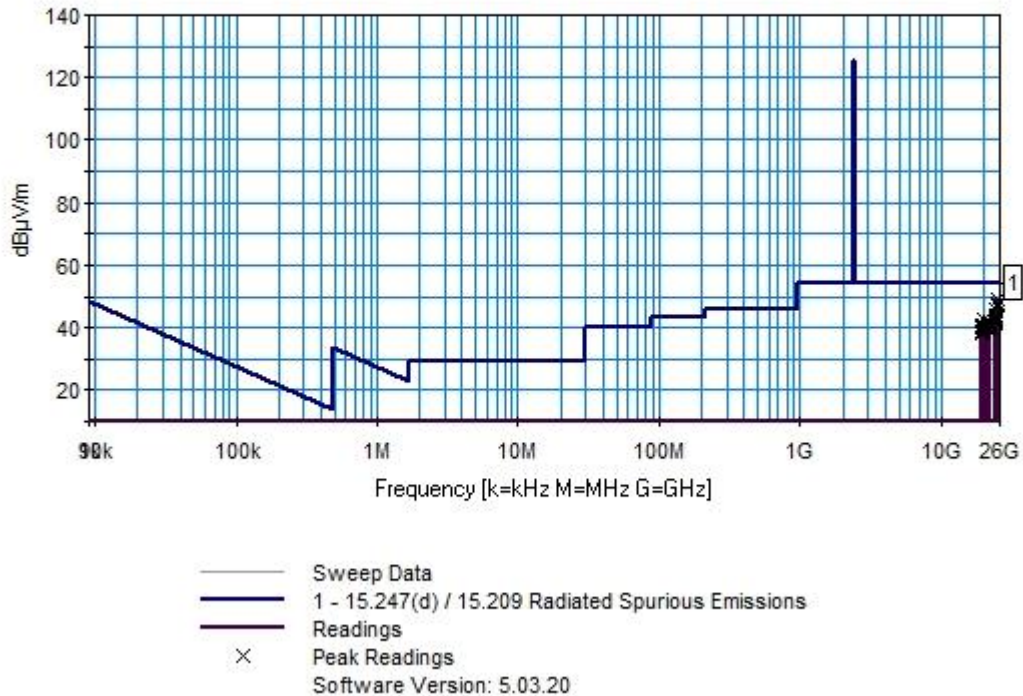
Support Equipment:

Device	Manufacturer	Model #	S/N
Configuration 4			

Test Conditions / Notes:

Radiated Spurious Emissions Frequency Range: 18GHz to 26GHz Test Environment Conditions: Temperature: 22.7°C Humidity: 45% Pressure: 101.6kPa Highest generated frequency: 2480MHz The EUT is operated as intended. It is powered by a DC power supply at 12VDC. All functions are operational Note Low Channel (1MHz/2MHz) / Mid Channel (1MHz/2MHz) / High Channel (1MHz/2MHz) / 125kHz / 13.5MHz
--

WaveLynx Technologies Corporation WO#: 111609 Sequence#: 34 Date: 8/1/2025
15.247(d) / 15.209 Radiated Spurious Emissions Test Distance: 3 Meters Horiz



Test Equipment:

ID	Asset #	Description	Model	Calibration Date	Cal Due Date
	AN02660	Spectrum Analyzer	E4446A	1/7/2025	1/7/2027
T1	ANP07703	Cable	32022-29094K-29094K-120TC	8/16/2024	8/16/2026
T2	ANP00929	Cable	various	1/26/2024	1/26/2026
T3	ANP07705	Cable	32022-29094K-29094K-120TC	8/16/2024	8/16/2026
T4	AN02694	Horn Antenna	AMFW-5F-18002650-20-10P	1/9/2024	1/9/2026

Measurement Data:

Reading listed by frequency.

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	19216.030 M	40.8	+6.4	+3.0	+6.2	-15.5	+0.0	40.9	54.0	-13.1	Horiz
									Low Channel (2MHz)		
2	19216.030 M	38.1	+6.4	+3.0	+6.2	-15.5	+0.0	38.2	54.0	-15.8	Vert
									Low Channel (2MHz)		
3	19216.030 M	38.8	+6.4	+3.0	+6.2	-15.5	+0.0	38.9	54.0	-15.1	Vert
									Low Channel (1MHz)		
4	19216.030 M	40.1	+6.4	+3.0	+6.2	-15.5	+0.0	40.2	54.0	-13.8	Horiz
									Low Channel (1MHz)		
5	19408.030 M	40.2	+6.5	+3.0	+6.2	-15.5	+0.0	40.4	54.0	-13.6	Horiz
									Mid Channel (2MHz)		
6	19408.030 M	39.9	+6.5	+3.0	+6.2	-15.5	+0.0	40.1	54.0	-13.9	Vert
									Mid Channel (2MHz)		
7	19408.030 M	39.8	+6.5	+3.0	+6.2	-15.5	+0.0	40.0	54.0	-14.0	Vert
									Mid Channel (1MHz)		
8	19408.030 M	39.9	+6.5	+3.0	+6.2	-15.5	+0.0	40.1	54.0	-13.9	Horiz
									Mid Channel (1MHz)		
9	19840.030 M	40.6	+6.6	+2.9	+6.3	-15.6	+0.0	40.8	54.0	-13.2	Horiz
									High Channel (2MHz)		
10	19840.030 M	40.1	+6.6	+2.9	+6.3	-15.6	+0.0	40.3	54.0	-13.7	Vert
									High Channel (2MHz)		
11	19840.030 M	42.3	+6.6	+2.9	+6.3	-15.6	+0.0	42.5	54.0	-11.5	Vert
									High Channel (1MHz)		
12	19840.030 M	38.8	+6.6	+2.9	+6.3	-15.6	+0.0	39.0	54.0	-15.0	Horiz
									High Channel (1MHz)		

13	21618.030 M	40.0	+6.9	+2.6	+6.6	-16.2	+0.0	39.9	54.0	-14.1	Horiz
									Low Channel (2MHz)		
14	21618.030 M	41.1	+6.9	+2.6	+6.6	-16.2	+0.0	41.0	54.0	-13.0	Vert
									Low Channel (2MHz)		
15	21618.030 M	39.5	+6.9	+2.6	+6.6	-16.2	+0.0	39.4	54.0	-14.6	Vert
									Low Channel (1MHz)		
16	21618.030 M	40.0	+6.9	+2.6	+6.6	-16.2	+0.0	39.9	54.0	-14.1	Horiz
									Low Channel (1MHz)		
17	21834.030 M	40.4	+6.9	+2.6	+6.7	-16.3	+0.0	40.3	54.0	-13.7	Horiz
									Mid Channel (2MHz)		
18	21834.030 M	40.3	+6.9	+2.6	+6.7	-16.3	+0.0	40.2	54.0	-13.8	Vert
									Mid Channel (2MHz)		
19	21834.030 M	41.6	+6.9	+2.6	+6.7	-16.3	+0.0	41.5	54.0	-12.5	Vert
									Mid Channel (1MHz)		
20	21834.030 M	40.5	+6.9	+2.6	+6.7	-16.3	+0.0	40.4	54.0	-13.6	Horiz
									Mid Channel (1MHz)		
21	22320.030 M	42.0	+7.1	+2.5	+6.8	-16.5	+0.0	41.9	54.0	-12.1	Horiz
									High Channel (2MHz)		
22	22320.030 M	40.3	+7.1	+2.5	+6.8	-16.5	+0.0	40.2	54.0	-13.8	Vert
									High Channel (2MHz)		
23	22320.030 M	41.0	+7.1	+2.5	+6.8	-16.5	+0.0	40.9	54.0	-13.1	Vert
									High Channel (1MHz)		
24	22320.030 M	41.9	+7.1	+2.5	+6.8	-16.5	+0.0	41.8	54.0	-12.2	Horiz
									High Channel (1MHz)		
25	24020.030 M	43.5	+7.3	+2.6	+7.0	-16.2	+0.0	44.2	54.0	-9.8	Horiz
									Low Channel (2MHz)		

26	24020.030 M	43.5	+7.3	+2.6	+7.0	-16.2	+0.0	44.2	54.0	-9.8	Vert
									Low Channel (2MHz)		
27	24020.030 M	41.5	+7.3	+2.6	+7.0	-16.2	+0.0	42.2	54.0	-11.8	Vert
									Low Channel (1MHz)		
28	24020.030 M	45.1	+7.3	+2.6	+7.0	-16.2	+0.0	45.8	54.0	-8.2	Horiz
									Low Channel (1MHz)		
29	24260.030 M	41.4	+7.4	+2.7	+7.1	-16.1	+0.0	42.5	54.0	-11.5	Horiz
									Mid Channel (2MHz)		
30	24260.030 M	42.0	+7.4	+2.7	+7.1	-16.1	+0.0	43.1	54.0	-10.9	Vert
									Mid Channel (2MHz)		
31	24260.030 M	40.5	+7.4	+2.7	+7.1	-16.1	+0.0	41.6	54.0	-12.4	Vert
									Mid Channel (1MHz)		
32	24260.030 M	42.8	+7.4	+2.7	+7.1	-16.1	+0.0	43.9	54.0	-10.1	Horiz
									Mid Channel (1MHz)		
33	24800.030 M	46.0	+7.5	+2.8	+7.3	-15.8	+0.0	47.8	54.0	-6.2	Horiz
									High Channel (2MHz)		
34	24800.030 M	47.5	+7.5	+2.8	+7.3	-15.8	+0.0	49.3	54.0	-4.7	Vert
									High Channel (2MHz)		
35	24800.030 M	45.3	+7.5	+2.8	+7.3	-15.8	+0.0	47.1	54.0	-6.9	Vert
									High Channel (1MHz)		
36	24800.030 M	46.0	+7.5	+2.8	+7.3	-15.8	+0.0	47.8	54.0	-6.2	Horiz
									High Channel (1MHz)		

Band Edge

Band Edge Summary

Limit applied at restricted bands: 15.209

Limit applied for other than restricted bands: Max Power/100kHz - 20dB.

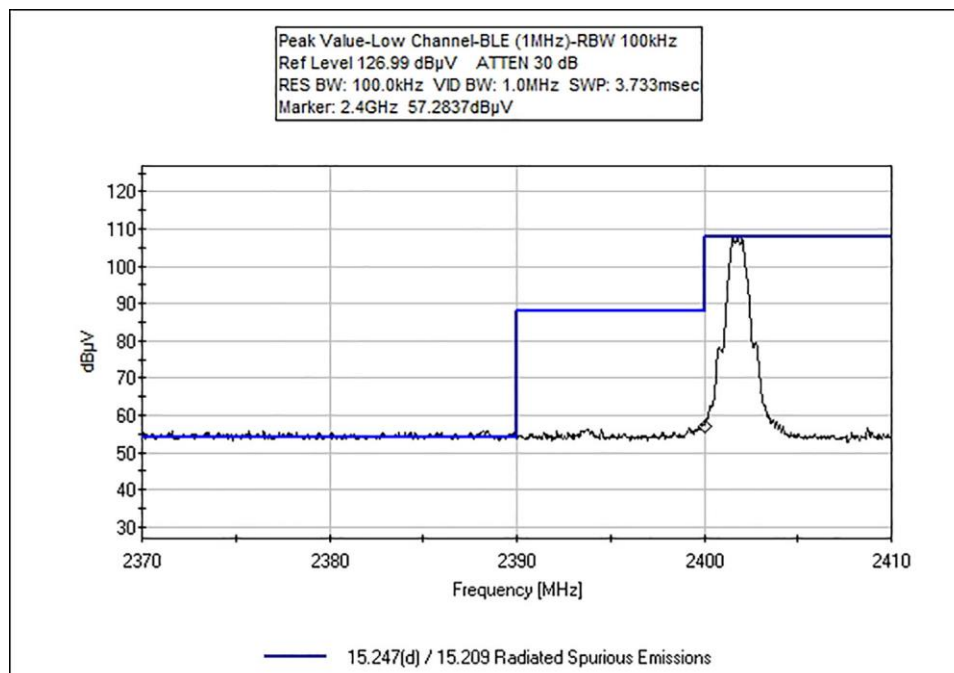
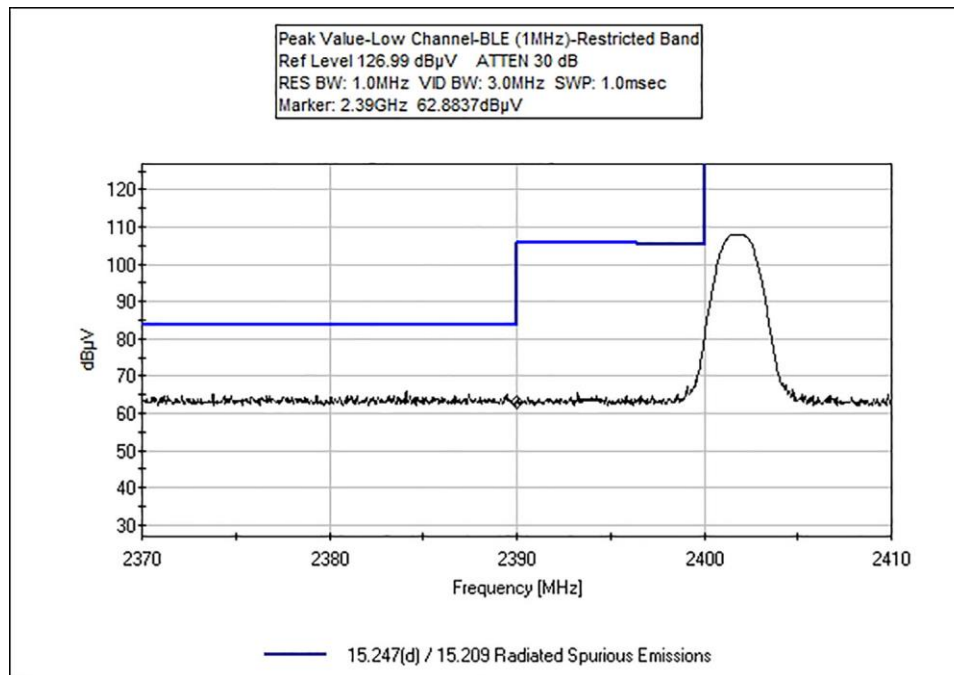
Frequency (MHz)	Modulation	Ant. Type / Gain (dBi)	Average (dBuV/m @3m)		Peak (dBuV/m @3m)		Results
			Measured	Limit	Measured	Limit	
2390.0	GFSK 1MHz	Integral / 2.8	21.7	≤54	33.3	≤74	Pass
2390.0	GFSK 2MHz	Integral / 2.8	21.9	≤54	34.7	≤74	Pass
2400.0	GFSK 1MHz	Integral / 2.8	N/A2	N/A2	57.2	≤88	Pass
2400.0	GFSK 2MHz	Integral / 2.8	N/A2	N/A2	74.0	≤88	Pass
2483.5	GFSK 1MHz	Integral / 2.8	23.5	≤54	36.6	≤74	Pass
2483.5	GFSK 2MHz	Integral / 2.8	25.5	≤54	43.7	≤74	Pass

Notes:

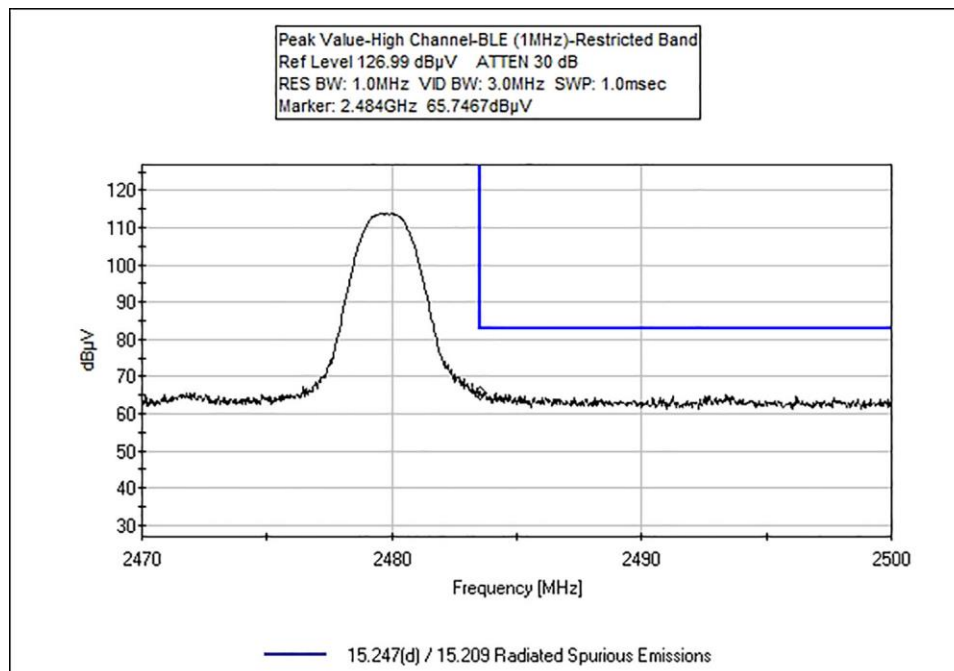
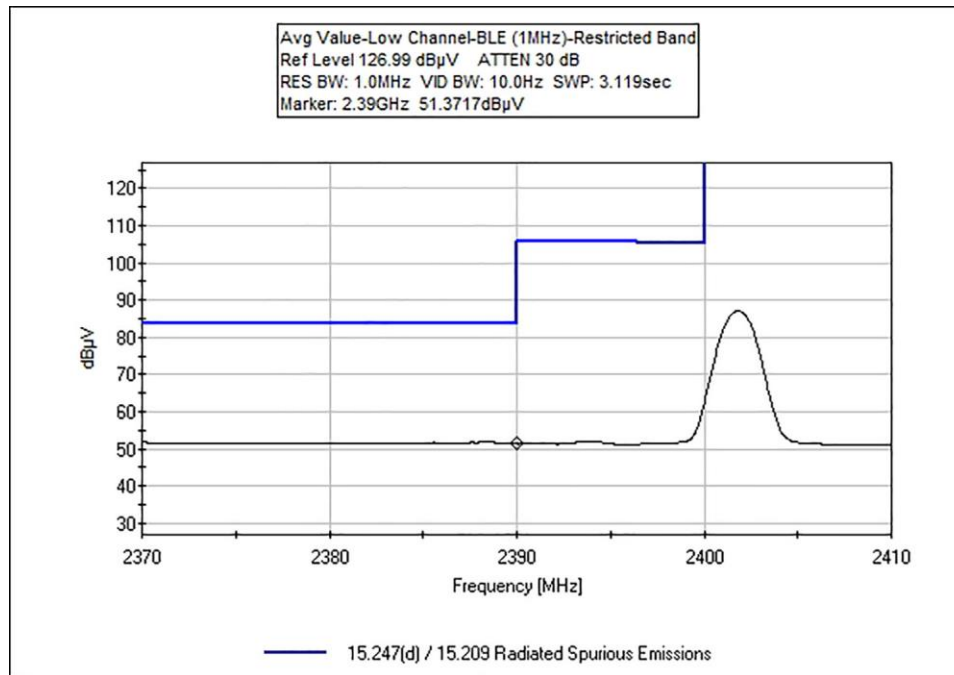
NA1	Peak measurement meets average limit.
NA2	Average limit not applicable when applying 20dBc limit.
NA3	Peak limit not applicable when applying 30dBc limit.

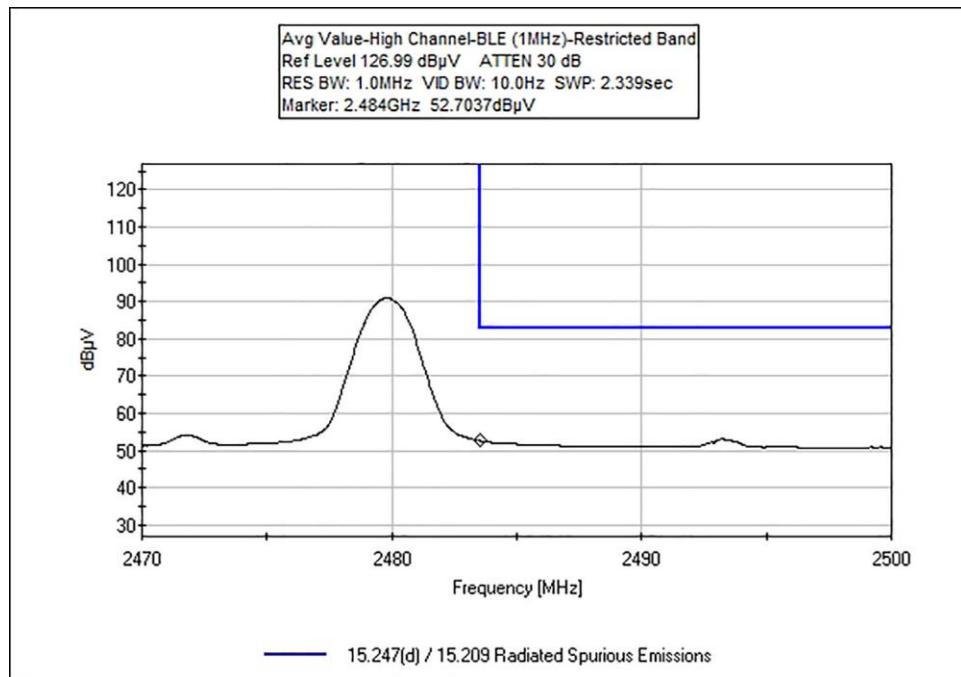
Band Edge Plots

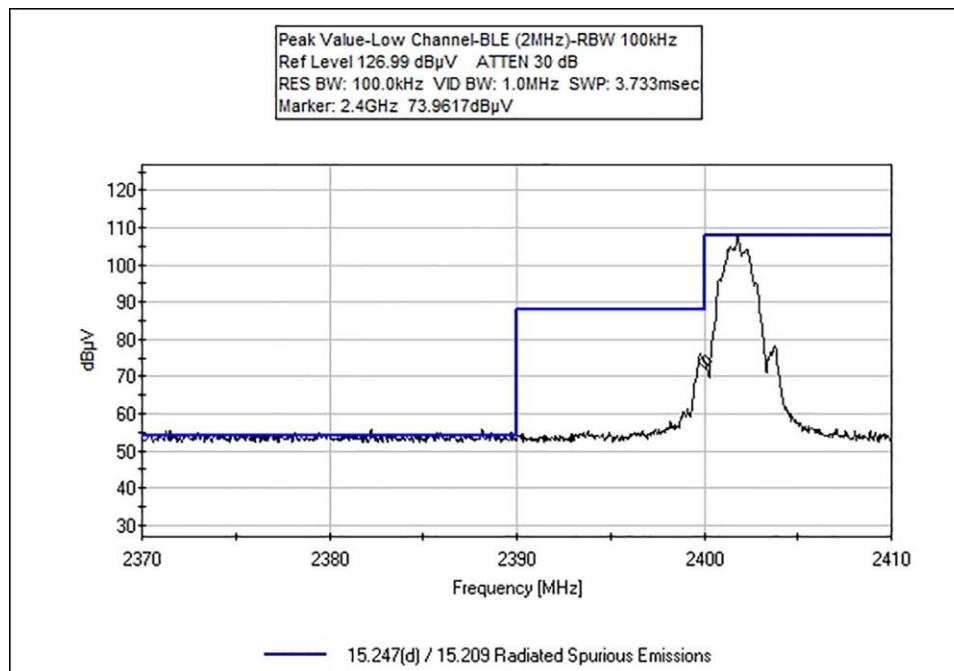
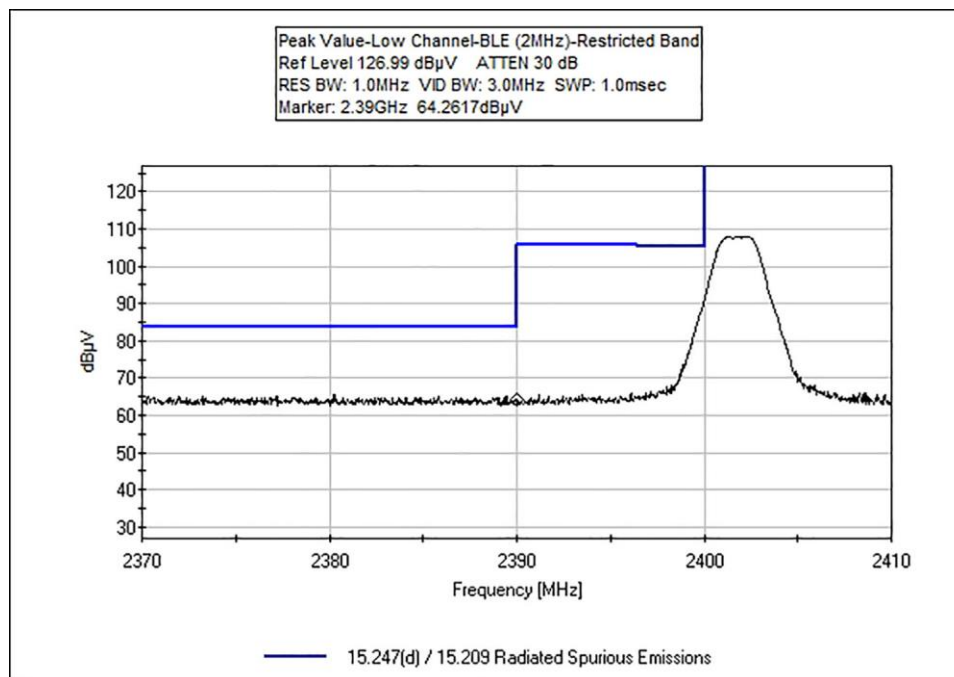
NOTE: Displayed limit corrected for all measuring equipment for comparison with the data.



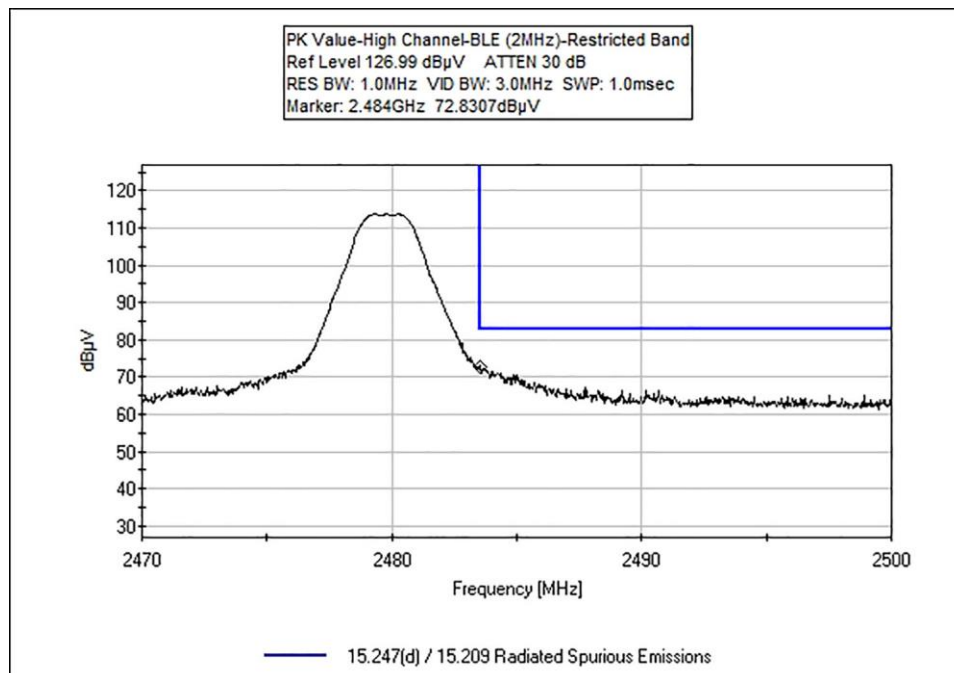
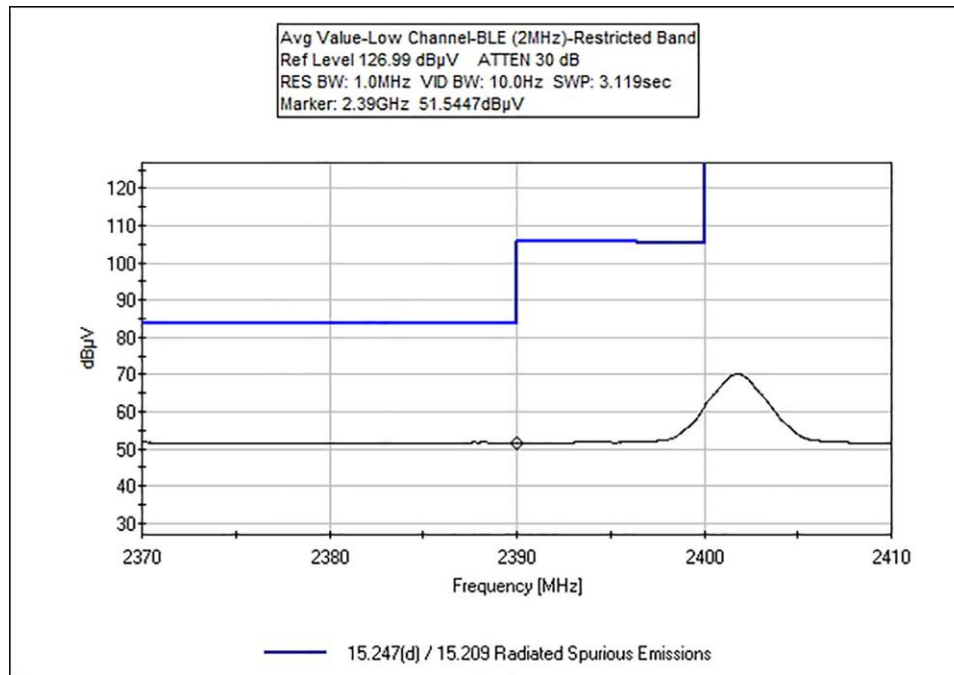
Plot representative for 2.4GHz band edge only. Frequencies <2390MHz comply with average and +20dB peak limit

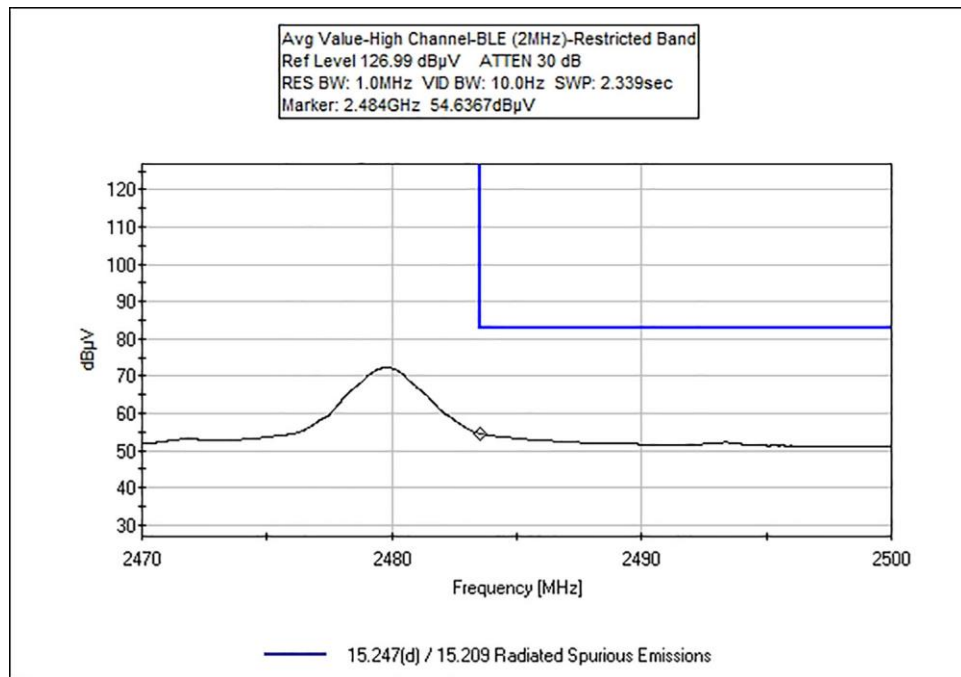






Plot representative for 2.4GHz band edge only. Frequencies <2390MHz comply with average and +20dB peak limit





Test Setup / Conditions / Data

Test Location: CKC Laboratories, Inc. • 1120 Fulton Place • Fremont, CA 94539 • (510) 249-1170
 Customer: **WaveLynx Technologies Corporation**
 Specification: **15.247(d) / 15.209 Radiated Spurious Emissions**
 Work Order #: **111609** Date: 7/30/2025
 Test Type: **Radiated Scan** Time: 16:37:58
 Tested By: Jonathan Wharton Sequence#: 19
 Software: EMITest 5.03.20

Equipment Tested:

Device	Manufacturer	Model #	S/N
Configuration 4			

Support Equipment:

Device	Manufacturer	Model #	S/N
Configuration 4			

Test Conditions / Notes:

Radiated Band Edge Emissions Frequency Range: 1GHz to 12GHz Test Environment Conditions: Temperature: 22.7°C Humidity: 45% Pressure: 101.6kPa Highest generated frequency: 2480MHz The EUT is operated as intended. It is powered by a DC power supply at 12VDC. All functions are operational Note Low Channel (1MHz/2MHz) / High Channel (1MHz/2MHz)

Test Equipment:

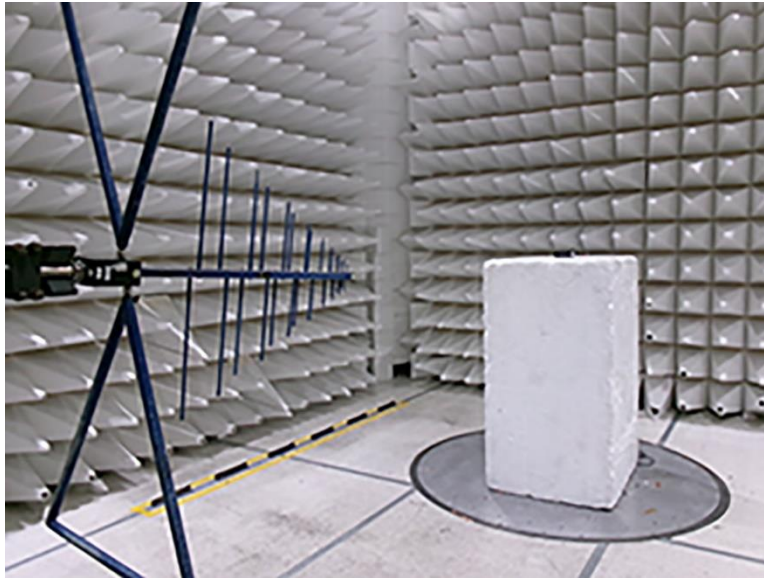
ID	Asset #	Description	Model	Calibration Date	Cal Due Date
T1	AN02157ANSI	Horn Antenna	3115	2/12/2025	2/12/2027
T2	ANP06904	Cable	32022-29094K-29094K-36TC	1/9/2024	1/9/2026
T3	AN03861	Preamp	BZRY-00101800-251057-202222	2/11/2025	2/11/2027
T4	ANP01210	Cable	FSJ1P-50A-4A	1/9/2024	1/9/2026
T5	AN03302	Cable	32026-29094K-29094K-72TC	1/9/2024	1/9/2026
	AN02660	Spectrum Analyzer	E4446A	1/7/2025	1/7/2027

Measurement Data: Reading listed by order taken.

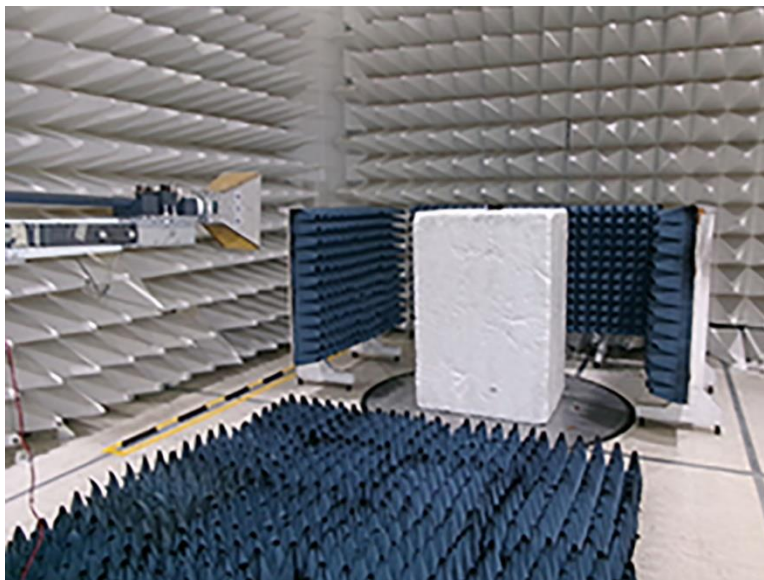
Test Distance: 3 Meters

#	Freq MHz	Rdng dB μ V	T1 T5 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dB μ V/m	Spec dB μ V/m	Margin dB	Polar Ant
1	2483.500M	65.7	+28.4 +1.4	+0.8	-62.3	+2.6	+0.0	36.6	54.0 High Channel (1MHz) Restricted Band PK	-17.4	Vert
2	2483.500M	52.6	+28.4 +1.4	+0.8	-62.3	+2.6	+0.0	23.5	54.0 High Channel (1MHz) Restricted Band AVG	-30.5	Vert
3	2483.500M	72.8	+28.4 +1.4	+0.8	-62.3	+2.6	+0.0	43.7	54.0 High Channel (2MHz) Restricted Band PK	-10.3	Vert
4	2483.500M	54.6	+28.4 +1.4	+0.8	-62.3	+2.6	+0.0	25.5	54.0 High Channel (2MHz) Restricted Band AVG	-28.5	Vert
5	2390.000M	62.9	+28.1 +1.3	+0.7	-62.2	+2.5	+0.0	33.3	54.0 Low Channel (1MHz) Restricted Band PK	-20.7	Vert
6	2390.000M	51.3	+28.1 +1.3	+0.7	-62.2	+2.5	+0.0	21.7	54.0 Low Channel (1MHz) Restricted Band Avg	-32.3	Vert
7	2401.800M	108.0	+0.0 +0.0	+0.0	+0.0	+0.0	+0.0	108.0	125.2 Low Channel (1MHz) Peak Reading 100kHz	-17.2	Vert
8	2400.000M	57.2	+0.0 +0.0	+0.0	+0.0	+0.0	+0.0	57.2	88.1 Low Channel (1MHz) 100kHz	-30.9	Vert
9	2400.000M	74.0	+0.0 +0.0	+0.0	+0.0	+0.0	+0.0	74.0	88.1 Low Channel (2MHz) 100kHz	-14.1	Vert
10	2390.000M	64.3	+28.1 +1.3	+0.7	-62.2	+2.5	+0.0	34.7	54.0 Low Channel (2MHz) Restricted Band PK	-19.3	Vert
11	2390.000M	51.5	+28.1 +1.3	+0.7	-62.2	+2.5	+0.0	21.9	54.0 Low Channel (2MHz) Restricted Band AVG	-32.1	Vert

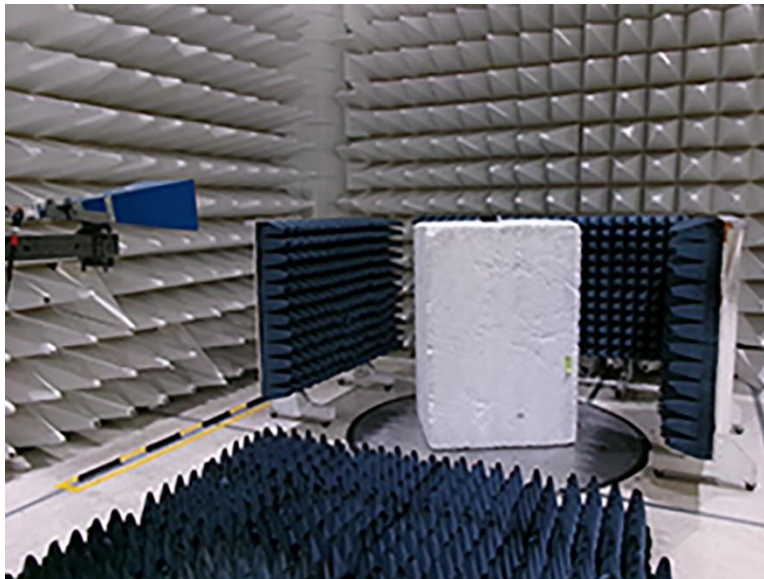
Test Setup Photo(s)



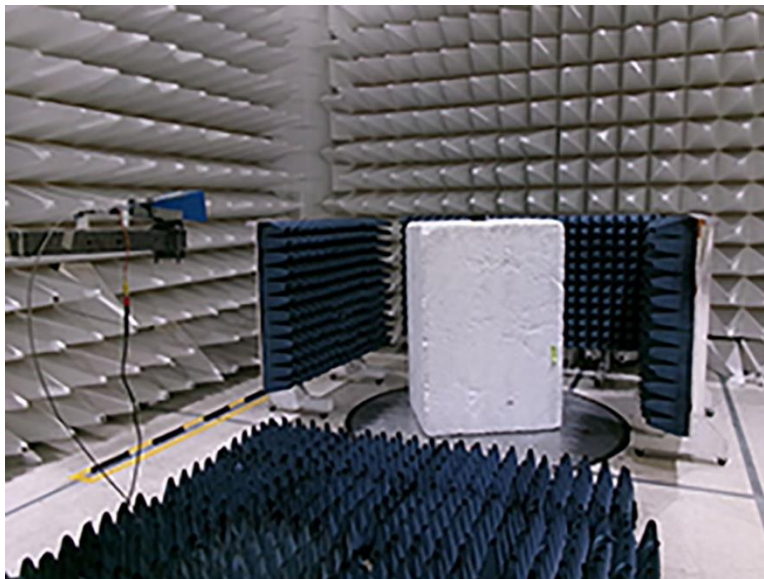
Below 1GHz



1GHz-12GHz



12GHz-18GHz



18GHz-26.5GHz

15.207 AC Conducted Emissions

Test Setup/Conditions

Test Location:	Fremont Chamber 3	Test Engineer:	Jonathan Wharton
Test Method:	ANSI C63.10 (2020)	Test Date(s):	7/22/2025 and 7/31/2025
Configuration:	2		

Environmental Conditions

Temperature (°C)	23.6	Relative Humidity (%):	44
------------------	------	------------------------	----

Test Setup / Conditions / Data

Test Location: CKC Laboratories, Inc. • 1120 Fulton Place • Fremont, CA 94539 • (510) 249-1170
 Customer: **WaveLynx Technologies Corporation**
 Specification: **15.207 AC Mains - Quasi-peak**
 Work Order #: **111609** Date: 7/31/2025
 Test Type: **Conducted Emissions** Time: 14:50:07
 Tested By: Jonathan Wharton Sequence#: 26
 Software: EMITest 5.03.20 120V 60Hz

Equipment Tested:

Device	Manufacturer	Model #	S/N
Configuration 2			

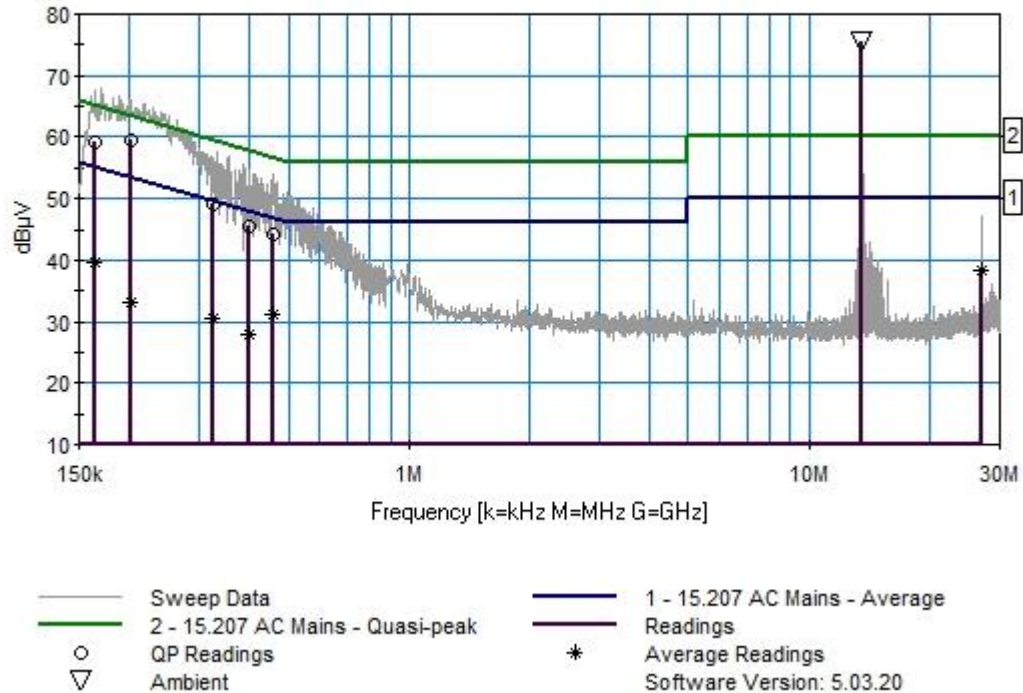
Support Equipment:

Device	Manufacturer	Model #	S/N
Configuration 2			

Test Conditions / Notes:

Conducted Emissions Frequency Range: 150kHz to 30MHz Test Environment Conditions: Temperature: 23.5°C Humidity: 46% Pressure: 101.5kPa Highest generated frequency: 2480MHz The EUT is operated as intended. It is powered by DC power supply at 12VDC. All functions is on Please see separate report demonstrating compliance for 13.56MHz transmitter. Note All the transmitter is in Normal Operate Mode. EUT transmitting at 125kHz, 13.56MHz, and 2.4GHz. Full operation.

WaveLynx Technologies Corporation WO#: 111609 Sequence#: 26 Date: 7/31/2025
15.207 AC Mains - Quasi-peak Test Lead: 120V 60Hz Power High



Test Equipment:

ID	Asset #	Description	Model	Calibration Date	Cal Due Date
	AN03471	Spectrum Analyzer	E4440A	2/23/2024	2/23/2026
T1	ANP05258	High Pass Filter	HE9615-150K-50-720B	5/6/2024	5/6/2026
T2	ANP06688	Cable	PE3062-180	4/2/2024	4/2/2026
T3	ANP06553	Cable	RG214/U	11/17/2023	11/17/2025
T4	ANP06777	Attenuator	33-20-34	8/22/2024	8/22/2026
T5	AN03814	50uH LISN-1PH-Line (dB)	NSLK 8126	1/13/2025	1/13/2027
	AN03814	50uH LISN-1PH-Neutral (dB)	NSLK 8126	1/13/2025	1/13/2027

Measurement Data: Reading listed by frequency.

Test Lead: Power High

#	Freq MHz	Rdng dBμV	T1 T5 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBμV	Spec dBμV	Margin dB	Polar Ant
1	165.271k	38.6	+0.3 +0.1	+0.0	+0.0	+20.0	+0.0	59.0	65.2	-6.2	Power
2	165.271k QP	19.4	+0.3 +0.1	+0.0	+0.0	+20.0	+0.0	39.8	55.2	-15.4	Power
3	165.271k Ave	47.1	+0.3 +0.1	+0.0	+0.0	+20.0	+0.0	67.5	55.2	+12.3	Power
4	201.632k	45.9	+0.1 +0.1	+0.0	+0.0	+20.0	+0.0	66.1	53.5	+12.6	Power
5	201.632k QP	39.2	+0.1 +0.1	+0.0	+0.0	+20.0	+0.0	59.4	63.5	-4.1	Power
6	201.632k Ave	12.9	+0.1 +0.1	+0.0	+0.0	+20.0	+0.0	33.1	53.5	-20.4	Power
7	323.075k	29.0	+0.1 +0.1	+0.0	+0.0	+20.0	+0.0	49.2	59.6	-10.4	Power
8	323.075k QP	10.2	+0.1 +0.1	+0.0	+0.0	+20.0	+0.0	30.4	49.6	-19.2	Power
9	323.075k Ave	36.3	+0.1 +0.1	+0.0	+0.0	+20.0	+0.0	56.5	49.6	+6.9	Power
10	397.250k	25.3	+0.1 +0.1	+0.0	+0.0	+20.0	+0.0	45.5	57.9	-12.4	Power
11	397.250k QP	7.5	+0.1 +0.1	+0.0	+0.0	+20.0	+0.0	27.7	47.9	-20.2	Power
12	397.250k Ave	34.5	+0.1 +0.1	+0.0	+0.0	+20.0	+0.0	54.7	47.9	+6.8	Power
13	460.517k	33.7	+0.1 +0.1	+0.0	+0.0	+20.0	+0.0	53.9	46.7	+7.2	Power
14	460.517k QP	24.1	+0.1 +0.1	+0.0	+0.0	+20.0	+0.0	44.3	56.7	-12.4	Power
15	460.517k Ave	11.1	+0.1 +0.1	+0.0	+0.0	+20.0	+0.0	31.3	46.7	-15.4	Power
16	13.562M Ambient	54.9	+0.1 +0.4	+0.1	+0.1	+20.0	+0.0	75.6	50.0 Fundamental of 13.56MHz Transmitter	+25.6	Power
17	27.121M	26.5	+0.2 +0.6	+0.2	+0.1	+20.0	+0.0	47.6	50.0	-2.4	Power
18	27.121M Ave	17.1	+0.2 +0.6	+0.2	+0.1	+20.0	+0.0	38.2	50.0	-11.8	Power

Test Location: CKC Laboratories, Inc. • 1120 Fulton Place • Fremont, CA 94539 • (510) 249-1170
 Customer: **WaveLynx Technologies Corporation**
 Specification: **15.207 AC Mains - Quasi-peak**
 Work Order #: **111609** Date: 7/31/2025
 Test Type: **Conducted Emissions** Time: 15:13:38
 Tested By: Jonathan Wharton Sequence#: 27
 Software: EMITest 5.03.20 120V 60Hz

Equipment Tested:

Device	Manufacturer	Model #	S/N
Configuration 2			

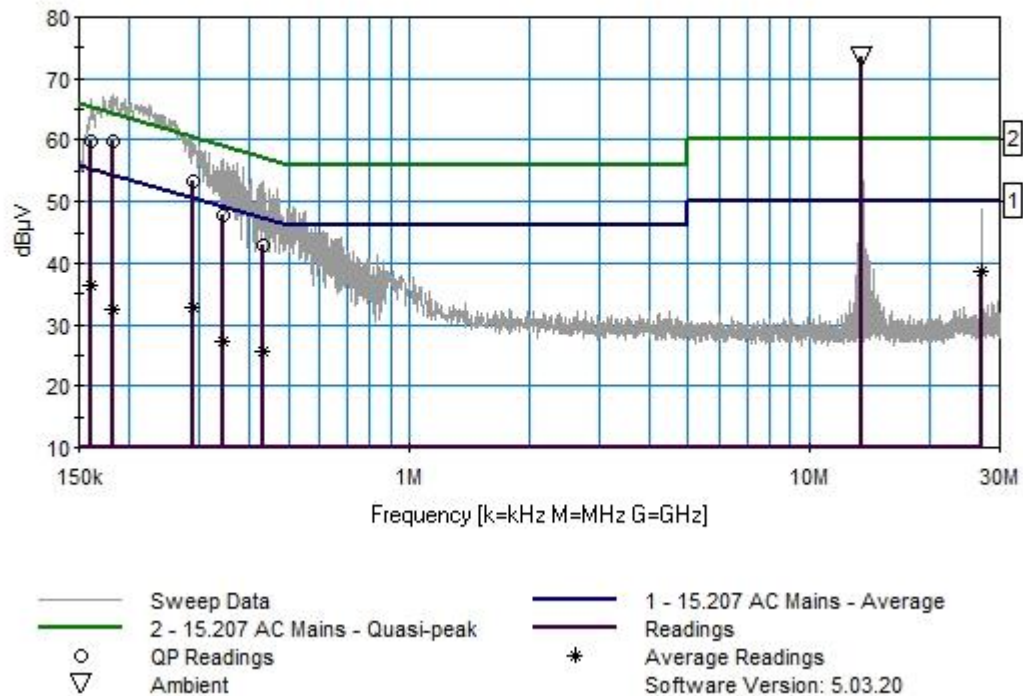
Support Equipment:

Device	Manufacturer	Model #	S/N
Configuration 2			

Test Conditions / Notes:

Conducted Emissions Frequency Range: 150kHz to 30MHz Test Environment Conditions: Temperature: 23.5°C Humidity: 46% Pressure: 101.5kPa Highest generated frequency: 2480MHz The EUT is operated as intended. It is powered by DC power supply at 12VDC. All functions is on Please see separate report demonstrating compliance for 13.56MHz transmitter. Note All the transmitter is in Normal Operate Mode. EUT transmitting at 125kHz, 13.56MHz, and 2.4GHz. Full operation.

WaveLynx Technologies Corporation WO#: 111609 Sequence#: 27 Date: 7/31/2025
15.207 AC Mains - Quasi-peak Test Lead: 120V 60Hz Power Return



Test Equipment:

ID	Asset #	Description	Model	Calibration Date	Cal Due Date
	AN03471	Spectrum Analyzer	E4440A	2/23/2024	2/23/2026
T1	ANP05258	High Pass Filter	HE9615-150K-50-720B	5/6/2024	5/6/2026
T2	ANP06688	Cable	PE3062-180	4/2/2024	4/2/2026
T3	ANP06553	Cable	RG214/U	11/17/2023	11/17/2025
T4	ANP06777	Attenuator	33-20-34	8/22/2024	8/22/2026
	AN03814	50uH LISN-1PH-Line (dB)	NSLK 8126	1/13/2025	1/13/2027
T5	AN03814	50uH LISN-1PH-Neutral (dB)	NSLK 8126	1/13/2025	1/13/2027

Measurement Data: Reading listed by frequency.

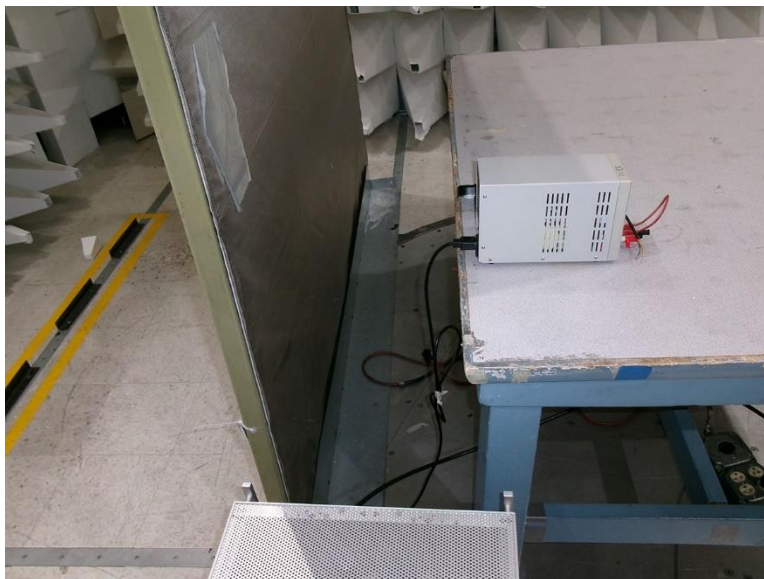
Test Lead: Power Return

#	Freq MHz	Rdng dBμV	T1 T5 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBμV	Spec dBμV	Margin dB	Polar Ant
1	161.634k QP	39.3	+0.4 +0.3	+0.0	+0.0	+20.0	+0.0	60.0	65.4	-5.4	Power
2	161.634k Ave	15.6	+0.4 +0.3	+0.0	+0.0	+20.0	+0.0	36.3	55.4	-19.1	Power
3	161.634k	45.9	+0.4 +0.3	+0.0	+0.0	+20.0	+0.0	66.6	55.4	+11.2	Power
4	183.450k QP	39.4	+0.2 +0.2	+0.0	+0.0	+20.0	+0.0	59.8	64.3	-4.5	Power
5	183.450k Ave	12.2	+0.2 +0.2	+0.0	+0.0	+20.0	+0.0	32.6	54.3	-21.7	Power
6	183.451k	46.9	+0.2 +0.2	+0.0	+0.0	+20.0	+0.0	67.3	54.3	+13.0	Power
7	288.895k QP	32.9	+0.1 +0.2	+0.0	+0.0	+20.0	+0.0	53.2	60.6	-7.4	Power
8	288.895k Ave	12.6	+0.1 +0.2	+0.0	+0.0	+20.0	+0.0	32.9	50.6	-17.7	Power
9	288.895k	39.2	+0.1 +0.2	+0.0	+0.0	+20.0	+0.0	59.5	50.6	+8.9	Power
10	344.163k QP	27.6	+0.1 +0.2	+0.0	+0.0	+20.0	+0.0	47.9	59.1	-11.2	Power
11	344.163k Ave	6.9	+0.1 +0.2	+0.0	+0.0	+20.0	+0.0	27.2	49.1	-21.9	Power
12	344.163k	35.2	+0.1 +0.2	+0.0	+0.0	+20.0	+0.0	55.5	49.1	+6.4	Power
13	432.155k	32.9	+0.1 +0.2	+0.0	+0.0	+20.0	+0.0	53.2	47.2	+6.0	Power
14	432.155k QP	22.7	+0.1 +0.2	+0.0	+0.0	+20.0	+0.0	43.0	57.2	-14.2	Power
15	432.155k Ave	5.2	+0.1 +0.2	+0.0	+0.0	+20.0	+0.0	25.5	47.2	-21.7	Power
16	13.562M Ambient	52.6	+0.1 +0.5	+0.1	+0.1	+20.0	+0.0	73.4	50.0 Fundamental of 13.56MHz Transmitter	+23.4	Power
17	27.120M	27.4	+0.2 +0.7	+0.2	+0.1	+20.0	+0.0	48.6	50.0	-1.4	Power
18	27.120M Ave	17.5	+0.2 +0.7	+0.2	+0.1	+20.0	+0.0	38.7	50.0	-11.3	Power

Test Setup Photo(s)



Front View



Side View

Appendix A: Manufacturer Declaration

The following device/models were tested by CKC Laboratories, Inc.:

Device: RFID Access Control Reader, APEX

Model: AX-15

The manufacturer declares that the following additional model is identical electrically or any differences between them do not affect their EMC characteristics, and therefore meets the level of testing equivalent to the tested model.

Model: AX-10

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