Test Report

Prepared for: Suntech Medical

Model: WK100

Serial Number: M00127246

Project No: p2430014

Test Results: Pass

To

FCC Part 15.249: 2024
and
RSS-210: Issue 10 (December 2019)

Date of Issue: May 2, 2024

On the behalf of the applicant:	**Suntech Medical** **5827 S. Miami Blvd.** **Suite 100** **Morrisville, NC 27560**
Attention of:	**Philip Schmidt, Sr. Director of Engineering** **Ph: (919)654-2300** **E-Mail: pschmidt@suntechmed.com**
Prepared By:	**Compliance Testing, LLC** **Mesa, AZ 85204** **(480) 926-3100 phone / (480) 926-3598 fax** **www.compliancetesting.com** **ANAB Cert#: AT-2901** **FCC Site Reg. #US2901** **ISED Site Reg. #2044A-2**

Reviewed / Authorized By:

Jeremiah Darden, Principal Engineer

Test Results Summary

Test Date Range: May 1 – May 2, 2024

Specification		Test Name	Pass, Fail, N/A	Comments
FCC	**RSS**			
15.249(a)	Annex B.10	Field Strength of Fundamental	Pass	
15.249(a), 15.249(d), 15.209(a), 15.205	Annex B.10, Section 7.1, 7.2, 7.3 / RSS-GEN 8.9 and 8.10	General Field Strength Emissions, Spurious Harmonic Emission, Restricted Bands	Pass	
-	Section 5 / RSS-Gen 6.7	99% Occupied Bandwidth	Complete	
15.207	RSS-GEN Section 8.8	A/C Powerline Conducted Emissions	N/A	Battery Powered. No AC input
Method Deviations/Additions: No				

Statements of conformity are reported as:

- Pass - the measured value is below the acceptance limit, *acceptance limit = test limit*.
- Fail - the measured value is above the acceptance limit, *acceptance limit = test limit*.

References/Methods	Description
ANSI C63.4-2014	Method and Measurements of Radio-Noise Emissions from low-Voltage Electrical and Electronic Equipment in the range 9kHz to 40GHz.
ANSI C63.10:2020	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
558074 D01 15.247 Meas Guidance v05r02	Guidance for Compliance Measurements on DTS, FHSS, and Hybrid System Devices Operating Under Section 15.247 of the FCC Rules
RSS-GEN Issue 5: 2018	General Requirements for Compliance of Radio Apparatus
ISO/IEC 17025:2017	General requirements for the Competence of Testing and Calibrations Laboratories

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Test Report Revision History

Revision	Date	Revised By	Reason for Revision
1.0	May 2, 2024	Jeremiah Darden	Original Document
2.0	May 16, 2024	Racheal Roberts	Updated attention of, and added Firmware information
3.0	June 12, 2024	Racheal Roberts	Removed unnecessary bandwidth measurement data

Current revision of the test report replaces any prior versions. Only the current version of the test report is valid.

EUT Description

Model:	**WK100**
Serial:	**M00127246**
Firmware:	**WK100 UI Firmware**
Software:	**N/A**
Description:	**Blood Pressure Monitor**
Additional Information:	**Radio Frequency Range and Operational Info: 2401-2481MHz, GFSK, 41 channels, 250kbs data rate** **EUT operates on removeable Li-Ion Battery (7.2VDC)** **Usage: Portable**
Receipt of Sample(s):	**April 17, 2024**
EUT Condition:	**Visual Damage** No **State of Development** Production/Production Equivalent

The applicant has been cautioned as to the following

15.21 - Information to User

The user's manual or instruction manual for an intentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

15.27(a) - Special Accessories

Equipment marked to a consumer must be capable of complying with the necessary regulations in the configuration in which the equipment is marketed. Where special accessories, such as shielded cables and/or special connectors are required to enable an unintentional or intentional radiator to comply with the emission limits in this part, the equipment must be marketed with, i.e. shipped and sold with, those special accessories. However, in lieu of shipping or packaging the special accessories with the unintentional or intentional radiator, the responsible party may employ other methods of ensuring that the special accessories are provided to the consumer without an additional charge.

Information detailing any alternative method used to supply the special accessories for a grant of equipment authorization or retained in the verification records, as appropriate. The party responsible for the equipment, as detailed in § 2.909 of this chapter, shall ensure that these special accessories are provided with the equipment. The instruction manual for such devices shall include appropriate instructions on the first page of text concerned with the installation of the device that these special accessories must be used with the device. It is the responsibility of the user to use the needed special accessories supplied with the equipment.

Authorization Requirements

Intentional Radios may require authorization covered under the following rule parts or standards:

-47 CFR Part 2 Subpart J

-RSS-Gen — General Requirements for Compliance of Radio Apparatus

Note: These notices are specific to the methods and standards related to the testing within this report. Customers should also consider and review additional legal regulations for import/export documentation and labeling for the countries and geographies under consideration by the manufacturer.

Test and Measurement Data

Subpart 2.1033(b)

All tests and measurement data shown were performed in accordance with FCC Rule Parts: 15.249.

All tests and measurement data shown are deemed satisfactory evidence of compliance with Industry Canada Radio Standards Specification RSS-Gen and RSS-210.

Standard Engineering Practices

Unless otherwise indicated, the procedures contained in ANSI C63.10 and ANSI C63.4 were observed during testing.

Prior to testing, the EUT was tuned up in accordance with the manufacturer's alignment procedures. All external gain controls were maintained at the position of maximum and/or optimum gain throughout the testing. Measurement results, unless otherwise noted, are worst case measurement.

Standard Test Conditions and Engineering Practices

Unless otherwise indicated in the specific measurement results, the ambient temperature was maintained within the range of 10º to 40ºC (50º to 104ºF) and the relative humidity levels were in the range of 10% to 90%.

Environmental Conditions		
Temperature (ºC)	**Humidity (%)**	**Barometric Pressure (mbar)**
26.56 - 27.22	26.5 – 26.9	963.9 – 966.9

Test Setup and Modes of Operation

EUT Operation during Tests

EUT was tested by using radio test modes pre-programmed into the firmware of the EUT that allowed continuous >98% duty cycle at the low, mid and high channel frequencies. The EUT is powered by a detachable lithium ion battery.

EUT:

Qty	Description	Manufacturer	Model	S/N
1	Blood Pressure Monitor	Suntech Medical	WK100	M00127246

Accessories:

Qty	Description	Manufacturer	Model	S/N
1	Li-Ion Battery	Suntech Medical	97-0242-00	LOT 2023-09-26

Cables: N/A

Software/Firmware:

Name	Description	Version	Installation Info
WK100 UI Firmware	System FW	UI124	Installed on EUT

Modifications to EUT(s) (Y/N): N

15.203: Antenna Requirement:

X	The antenna is permanently attached to the EUT
	The antenna uses a unique coupling
	The EUT must be professionally installed
	The antenna requirement does not apply

The antenna gain stated by the manufacturer is 2 dBi

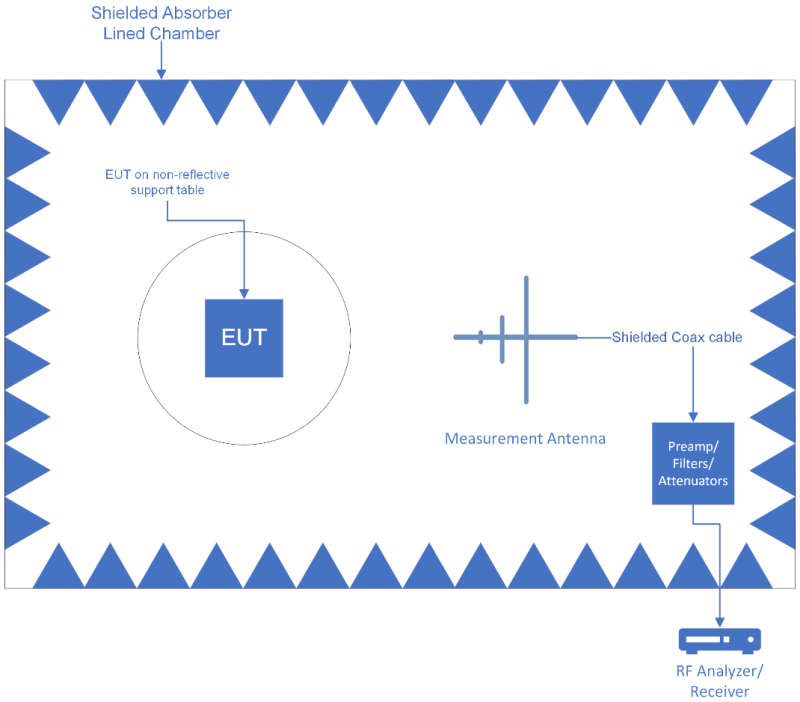
Field Strength of Fundamental

Engineer: Jeremiah Darden
Test Date: May 1, 2024

Test Procedure

RADIATED METHOD
The EUT was setup in a semi-anechoic test chamber set 3m from the receiving antenna. The EUT was set to transmit on the lowest, middle and highest frequency of operation at the maximum power level. The EUT was tested, in 3 orthogonal axis, by rotating it 360° with the receive antenna in both the vertical and horizontal orientation while raised from 1 to 4 meters to ensure the TX signal levels were maximized. A spectrum analyzer was used to verify that the EUT met the requirements for Output Power.

Test Setup



The Spectrum Analyzer was set to the following:

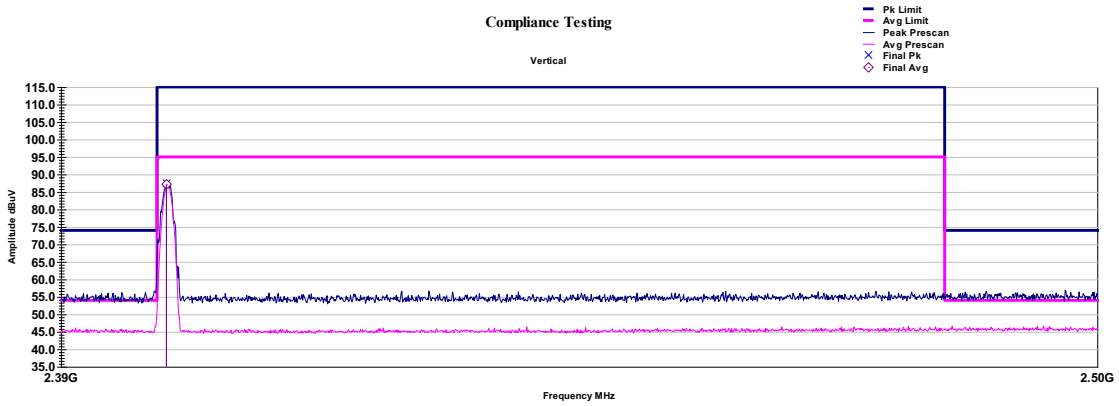
RBW ≥ DTS Bandwidth
VBW ≥ 3 x RBW
Span ≥ 3 x RBW
Sweep time = auto couple
Detector = peak
Trace Mode = max hold

Field Strength of Fundamental Summary Table (worse case axis and polarity)

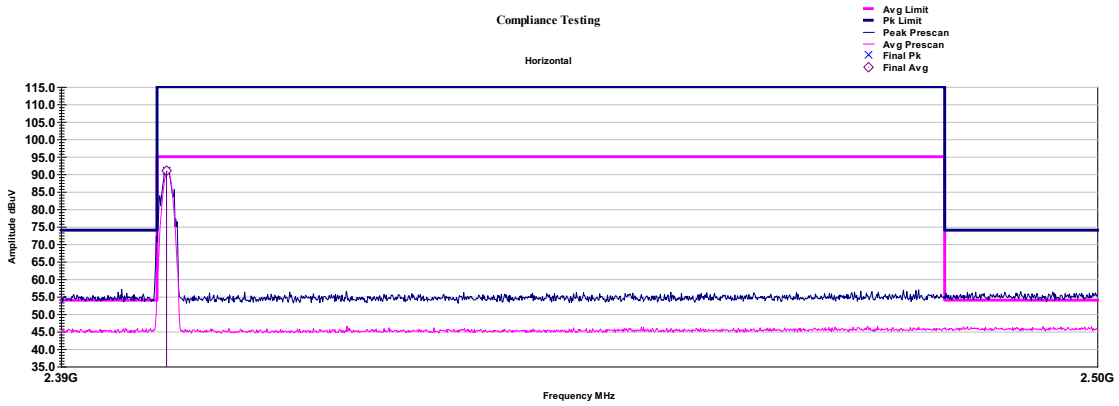
Tuned Frequency (MHz)	Mode of Operation	AVG Measured Value (dBuV/m)	PK Measured Value (dBuV/m)	AVG / PK Specification Limit (dBuV/m)	Result
2401	Continuous TX Low Ch	90.89	91.01	94 / 114	Pass
2441	Continuous TX Mid Ch	92.05	92.12	94 / 114	Pass
2481	Continuous TX High Ch	90.10	90.29	94 / 114	Pass

Field Strength of Fundamental Plots

Low Channel

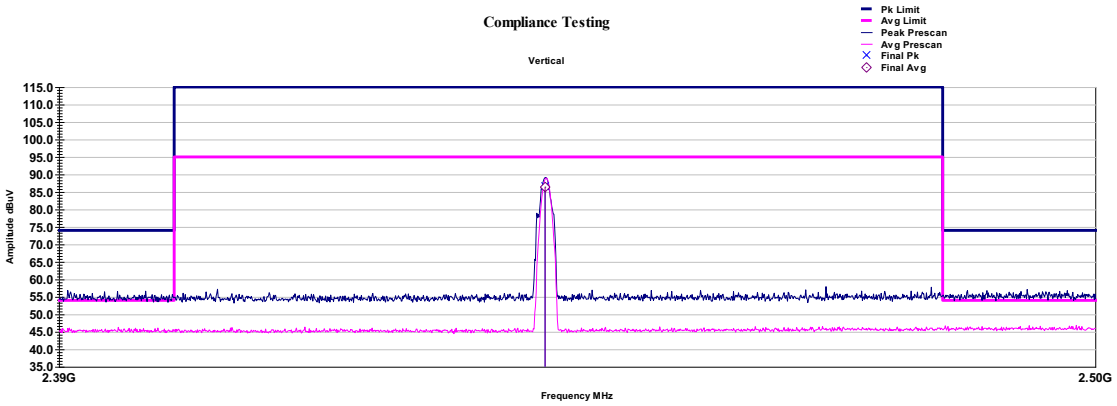


Frequency	Azimuth	Height	Raw Pk	Raw Avg	Correction	Final Pk	Pk Limit	Pk Margin	Final Avg	Avg Limit	Avg Margin
GHz	deg	cm	dBuV	dBuV	dB	dBuV/m	dBuV/m	dB	dBuV/m	dBuV/m	dB
2.40098	52.00	100.00	79.92	79.70	7.50	87.42	73.98	13.44	87.20	53.98	33.22
Final = Raw + Path Loss											
Margin = Final - Limit											

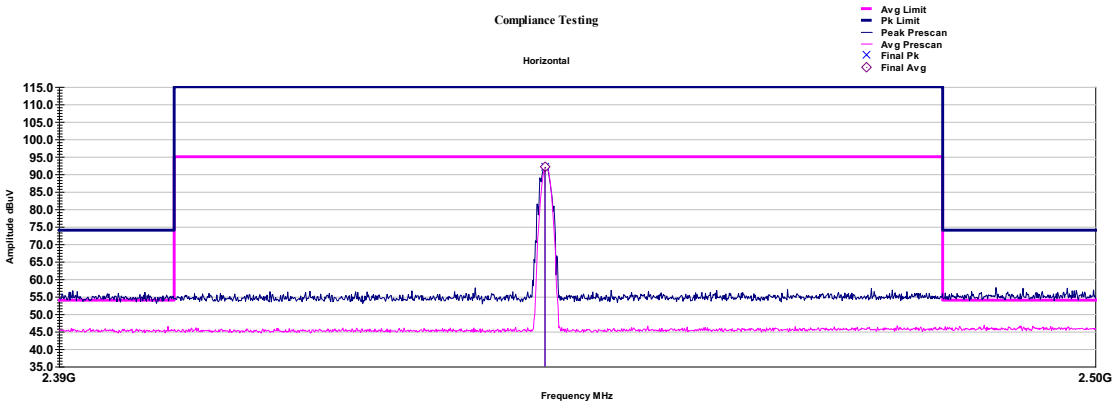


Frequency	Azimuth	Height	Raw Pk	Raw Avg	Correction	Final Pk	Pk Limit	Pk Margin	Final Avg	Avg Limit	Avg Margin
GHz	deg	cm	dBuV	dBuV	dB	dBuV/m	dBuV/m	dB	dBuV/m	dBuV/m	dB
2.400985	204.00	400.00	83.51	83.38	7.50	91.01	73.98	17.03	90.89	53.98	36.91
Final = Raw + Path Loss											
Margin = Final - Limit											

Mid Channel

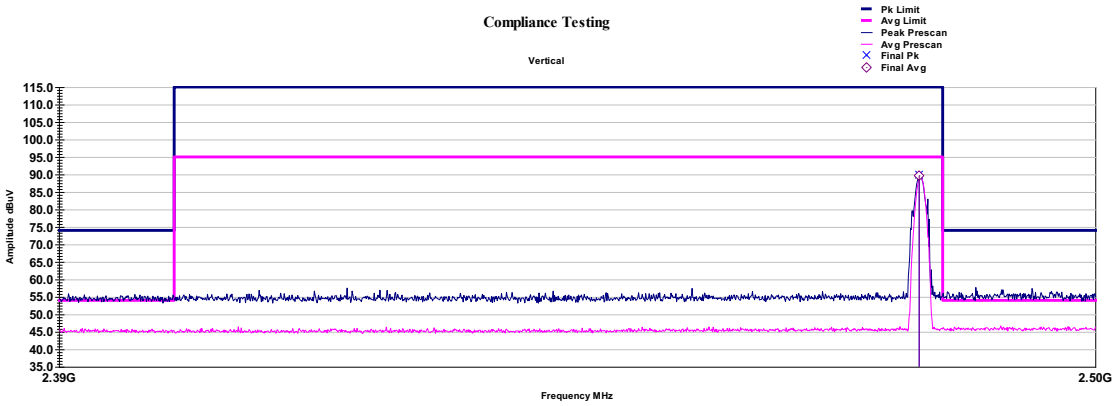


Frequency	Azimuth	Height	Raw Pk	Raw Avg	Correction	Final Pk	Pk Limit	Pk Margin	Final Avg	Avg Limit	Avg Margin
GHz	deg	cm	dBuV	dBuV	dB	dBuV/m	dBuV/m	dB	dBuV/m	dBuV/m	dB
2.4409935	5.00	100.00	78.93	78.75	7.71	86.64	114.98	-28.34	86.46	94.98	-8.52
Final = Raw + Path Loss											
Margin = Final - Limit											

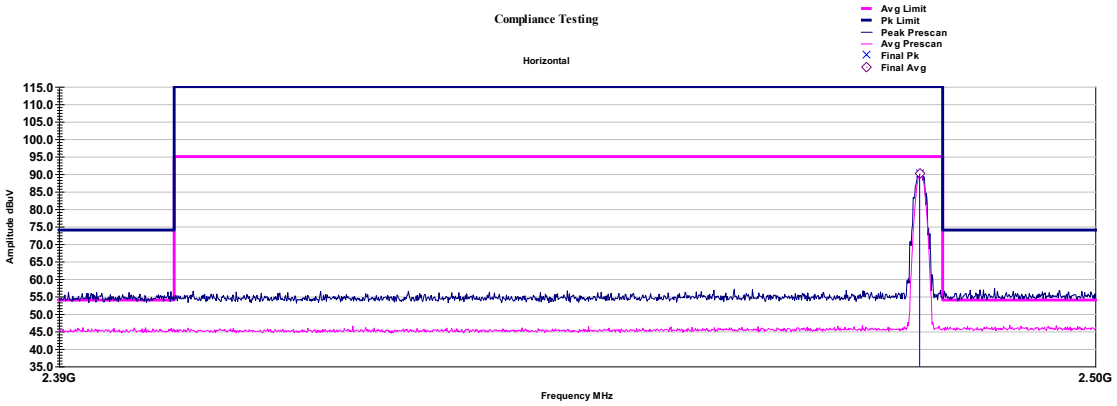


Frequency	Azimuth	Height	Raw Pk	Raw Avg	Correction	Final Pk	Pk Limit	Pk Margin	Final Avg	Avg Limit	Avg Margin
GHz	deg	cm	dBuV	dBuV	dB	dBuV/m	dBuV/m	dB	dBuV/m	dBuV/m	dB
2.4409875	211.00	105.00	84.41	84.34	7.71	92.12	114.98	-22.86	92.05	94.98	-2.93
Final = Raw + Path Loss											
Margin = Final - Limit											

High Channel



Frequency	Azimuth	Height	Raw Pk	Raw Avg	Correction	Final Pk	Pk Limit	Pk Margin	Final Avg	Avg Limit	Avg Margin
GHz	deg	cm	dBuV	dBuV	dB	dBuV/m	dBuV/m	dB	dBuV/m	dBuV/m	dB
2.48097075	57.00	100.00	81.88	81.69	8.02	89.90	114.98	-25.08	89.71	94.98	-5.27
Final = Raw + Path Loss											
Margin = Final - Limit											



Frequency	Azimuth	Height	Raw Pk	Raw Avg	Correction	Final Pk	Pk Limit	Pk Margin	Final Avg	Avg Limit	Avg Margin
GHz	deg	cm	dBuV	dBuV	dB	dBuV/m	dBuV/m	dB	dBuV/m	dBuV/m	dB
2.481011	207.00	100.00	82.26	82.08	8.02	90.29	114.98	-24.69	90.10	94.98	-4.88
Final = Raw + Path Loss											
Margin = Final - Limit											

General Field Strength Emissions / Spurious Harmonic Emissions / Restricted Bands

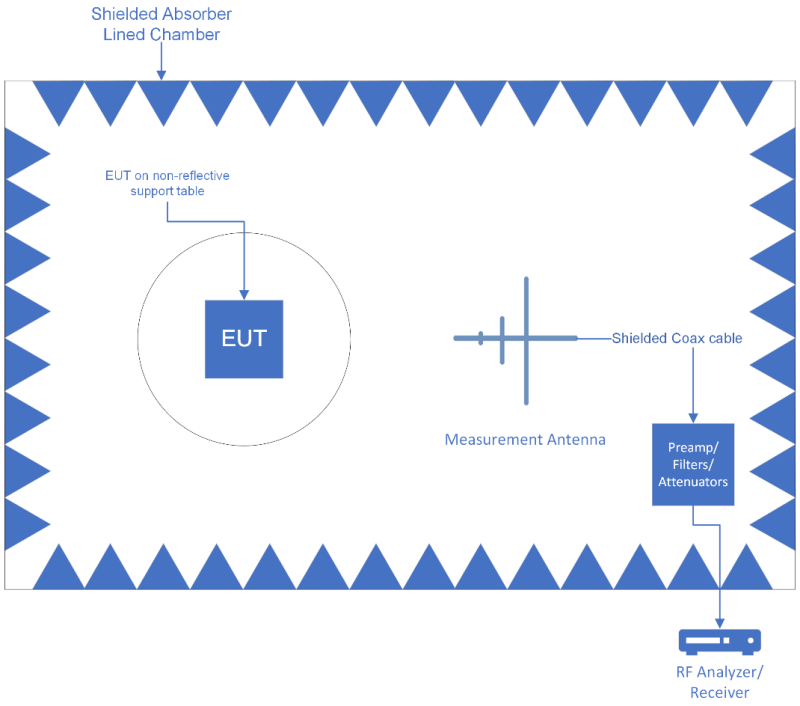
Engineer: Jeremiah Darden

Test Date: May 1, 2024

Test Procedure
Radiated Spurious Emissions: 30 – 1000 MHz and Above 1GHz

The EUT was setup in a semi-anechoic test chamber set 3m from the receiving antenna. The EUT was set to transmit on the lowest, middle and highest frequency of operation at the maximum power level into its permanently attached antenna. The EUT was tested, in 3 orthogonal axis, by rotating it 360° with the receive antenna in both the vertical and horizontal orientation while raised from 1 to 4 meters to ensure the TX signal levels were maximized. A spectrum analyzer was used to verify that the EUT met the requirements for Radiated Spurious Emissions. All emissions across the required range were evaluated.

Basic Test Setup



	Settings Below 1GHz	Settings Above 1GHz
RBW	120 kHz	1 MHz
VBW	300 kHz	3 MHz
Detector	Quasi Peak	Peak / Average

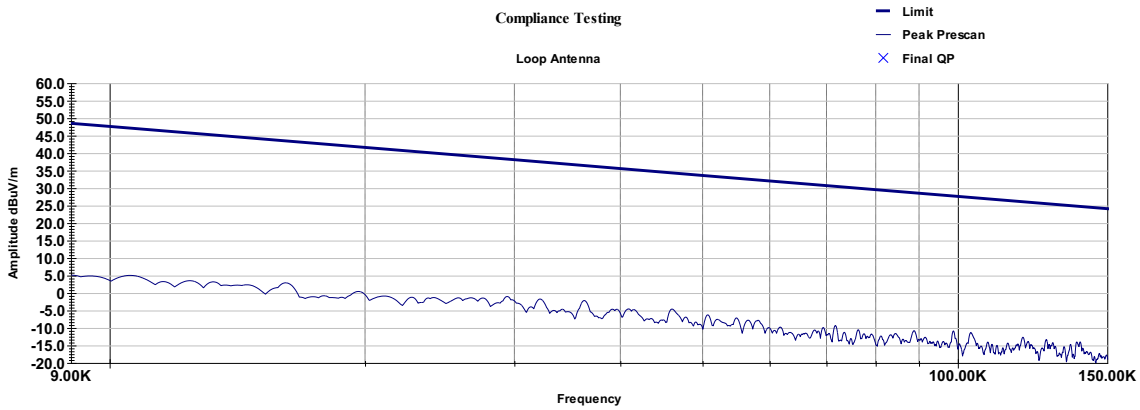
Sample Calculations

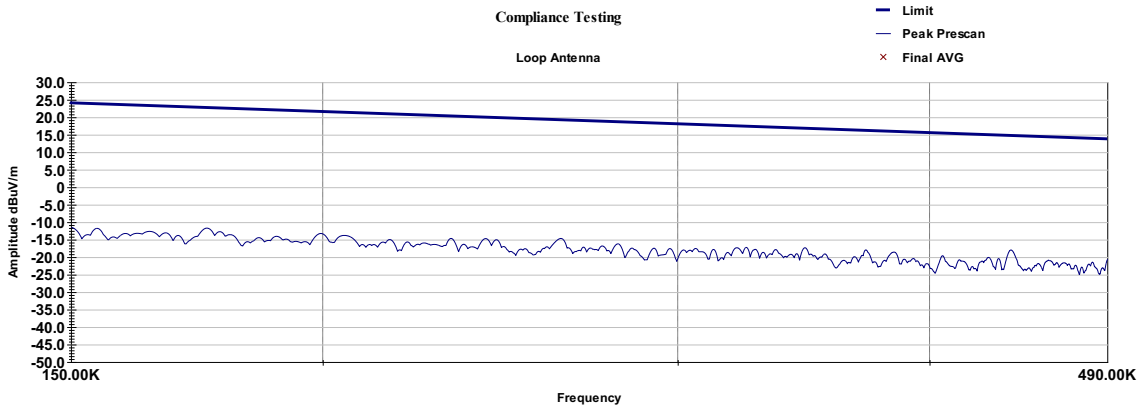
Corrected Value = Measured Value + Correction factor

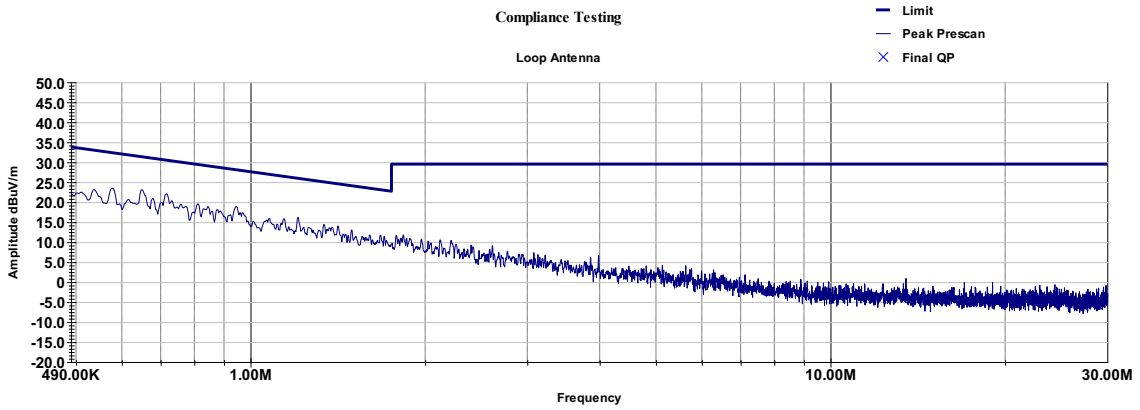
Correction factor = Antenna Correction Factor + Cable loss + Preamp/Attenuator Factor

Radiated Emissions 9kHz-30MHz

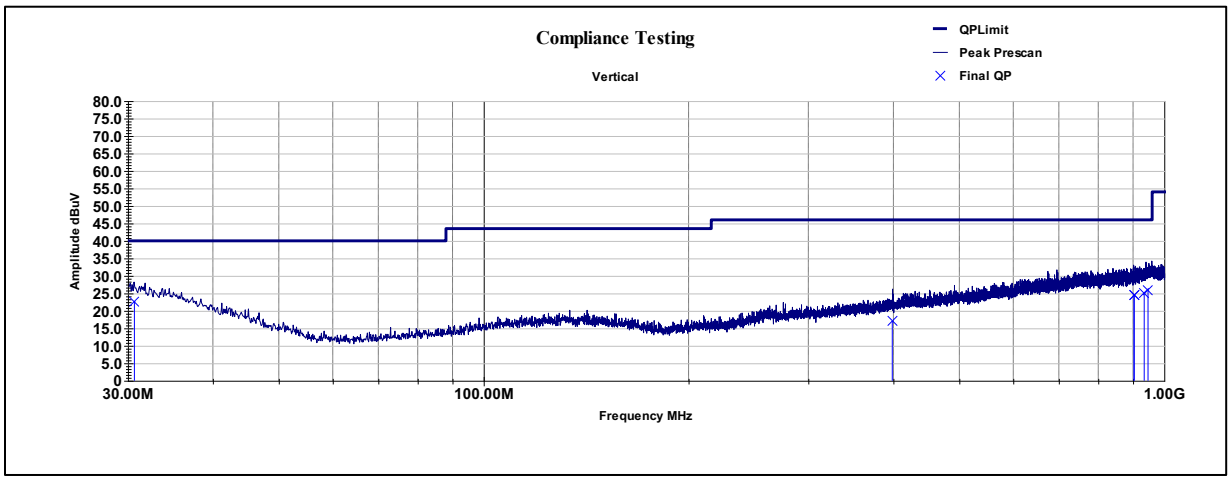
No Emissions to measure within scanned frequency range





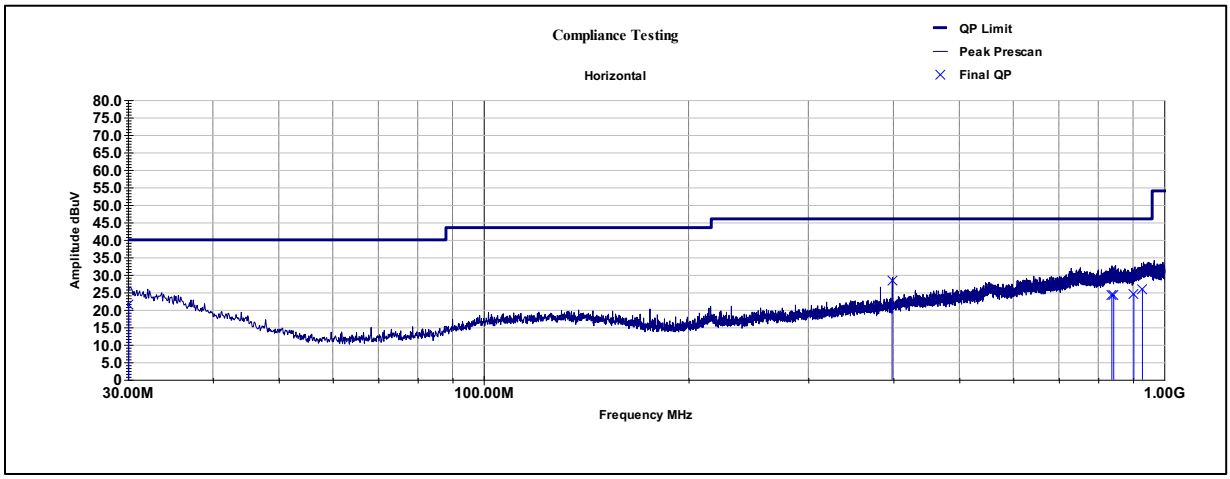


Radiated Emissions 30-1000MHz



Frequency	Azimuth	Height	Raw QP	Correction	Final QP	Limit	QP Margin
MHz	deg	cm	dBuV	dB	dBuV/m	dBuV/m	dB
30.673	183.00	277.00	38.26	-15.57	22.70	40.00	-17.30
398.474	89.00	127.00	33.96	-16.92	17.00	46.00	-29.00
902.606	33.00	359.00	32.86	-8.44	24.40	46.00	-21.60
902.606	33.00	359.00	32.86	-8.44	24.40	46.00	-21.60
903.585	52.00	325.00	32.89	-8.49	24.40	46.00	-21.60
902.606	33.00	359.00	32.86	-8.44	24.40	46.00	-21.60
934.618	355.00	389.00	33.05	-7.90	25.10	46.00	-20.90
946.832	198.00	230.00	33.09	-7.28	25.80	46.00	-20.20
Final = Raw + Path Loss							

Margin = Final - Limit



Frequency	Azimuth	Height	Raw QP	Correction	Final QP	Limit	QP Margin
MHz	deg	cm	dBuV	dB	dBuV/m	dBuV/m	dB
30.097	15.00	294.00	38.29	-16.81	21.50	40.00	-18.50
398.235	192.00	100.00	45.83	-17.47	28.40	46.00	-17.60
837.595	210.00	252.00	33.14	-8.86	24.30	46.00	-21.70
842.936	263.00	100.00	32.94	-8.74	24.20	46.00	-21.80
902.457	340.00	352.00	32.96	-8.54	24.40	46.00	-21.60
929.014	148.00	373.00	33.37	-7.55	25.80	46.00	-20.20
Final = Raw + Path Loss							
Margin = Final - Limit							

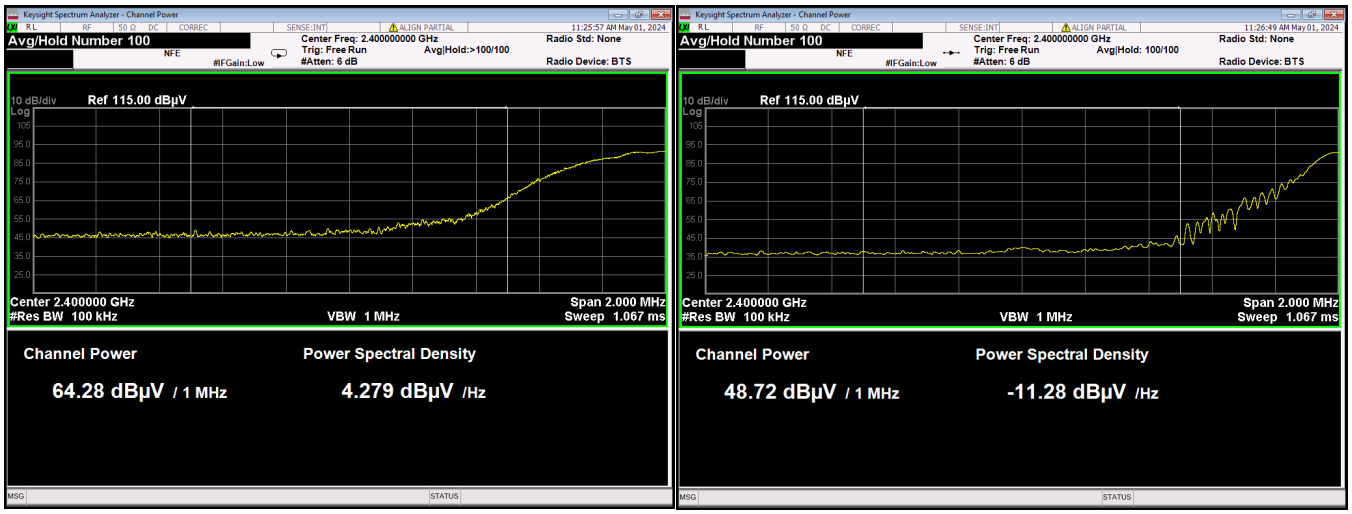
Radiated Emissions Above 1000MHz

Band Edge Using Integration Method – ANSI 11.13.3.2 and 11.13.3.3

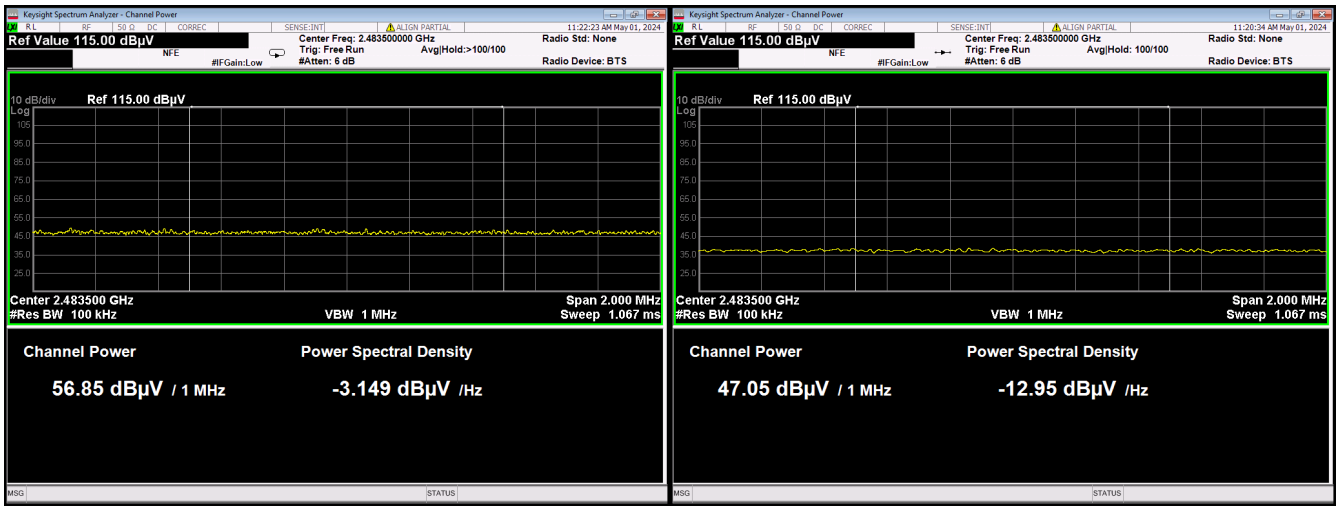
Band Edge Summary Table

Tuned Frequency (MHz)	Mode of Operation	AVG Measured Value (dBuV/m)	PK Measured Value (dBuV/m)	AVG / PK Specification Limit (dBuV/m)	Result
2401	Continuous TX Low Ch	48.72	64.28	54 / 74	Pass
2481	Continuous TX High Ch	47.05	56.85	54 / 74	Pass

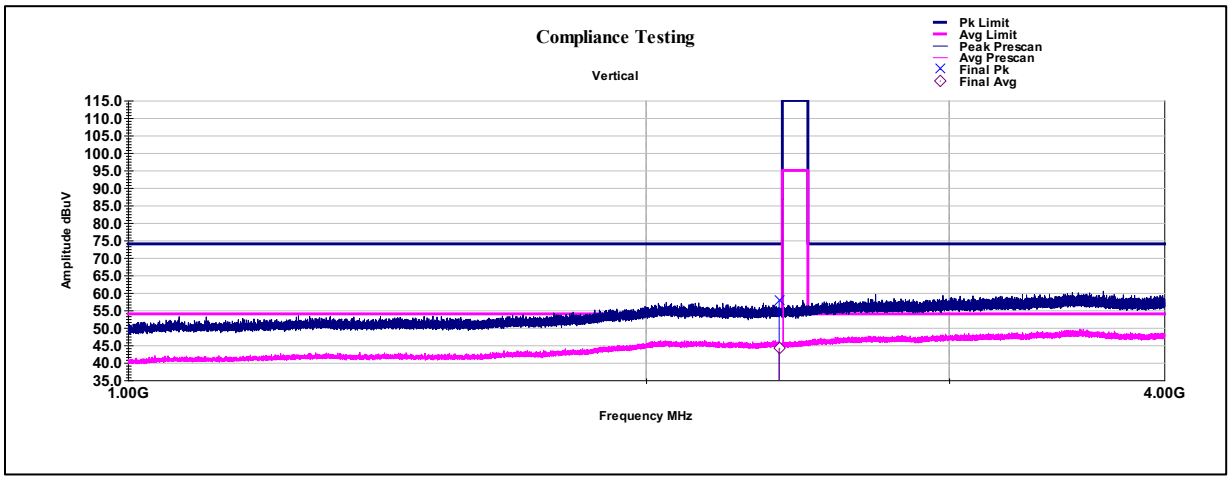
Band Edge - Low Ch (Peak | AVG)



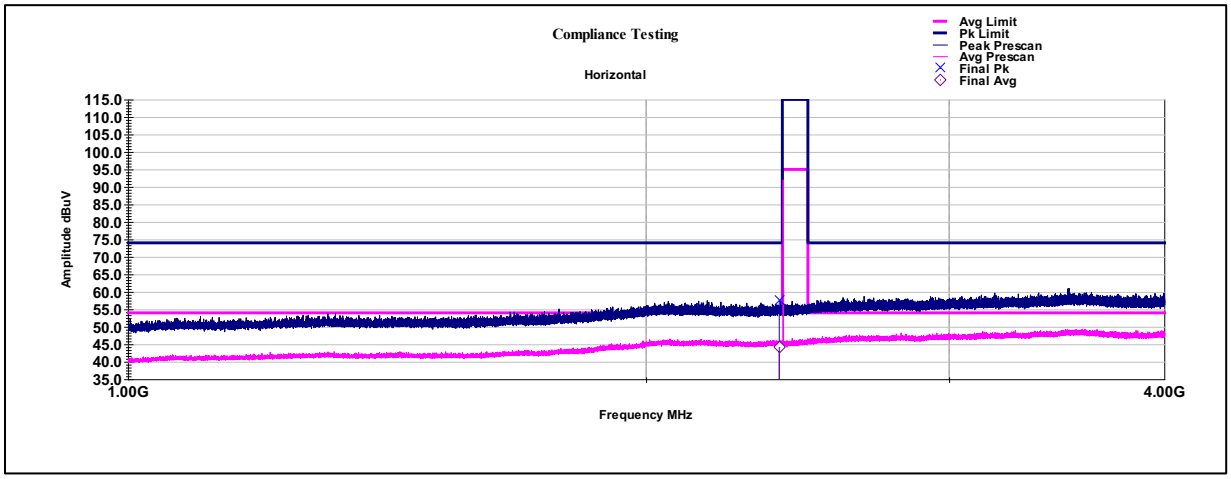
Band Edge – High Ch (Peak | AVG)



1-4GHz - Low Ch

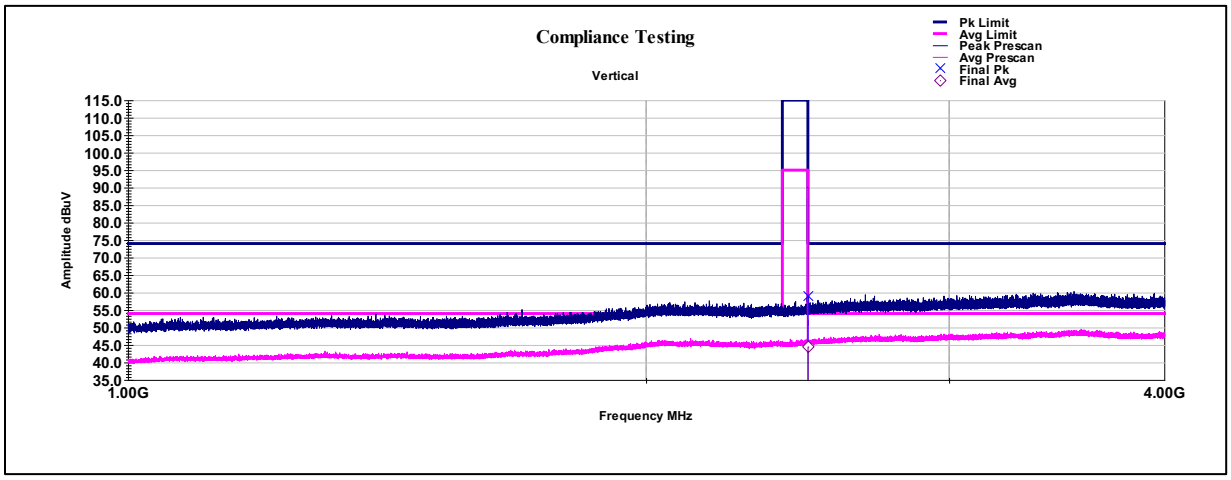


Frequency	Azimuth	Height	Raw Pk	Raw Avg	Correction	Final Pk	Pk Limit	Pk Margin	Final Avg	Avg Limit	Avg Margin
GHz	deg	cm	dBuV	dBuV	dB	dBuV/m	dBuV/m	dB	dBuV/m	dBuV/m	dB
2.389756612.5	284.00	100.00	50.45	36.67	7.46	57.90	73.98	-16.08	44.12	53.98	-9.86
Final = Raw + Path Loss											
Margin = Final - Limit											

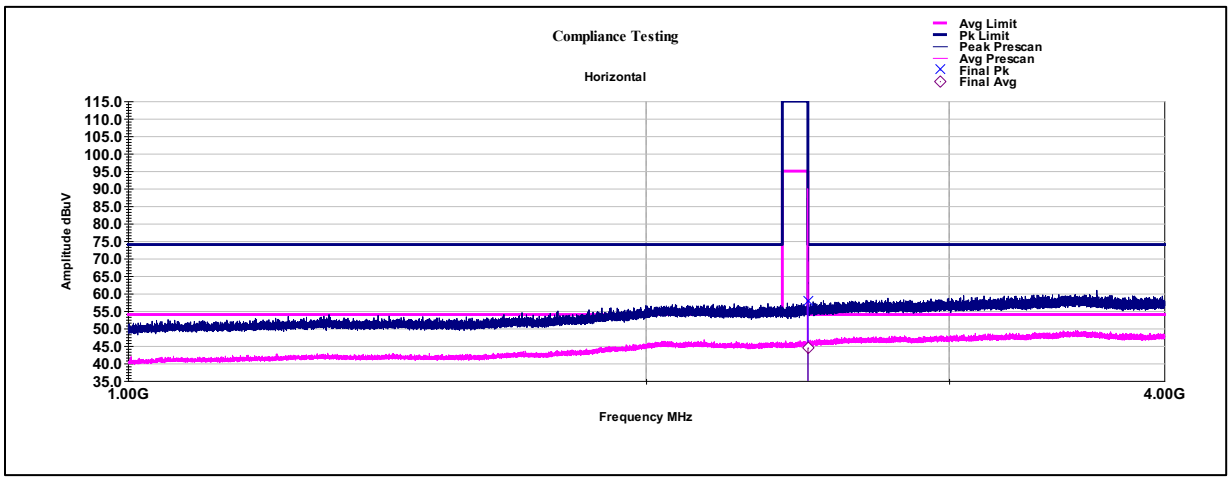


Frequency	Azimuth	Height	Raw Pk	Raw Avg	Correction	Final Pk	Pk Limit	Pk Margin	Final Avg	Avg Limit	Avg Margin
GHz	deg	cm	dBuV	dBuV	dB	dBuV/m	dBuV/m	dB	dBuV/m	dBuV/m	dB
2.39004885	308.00	400.00	50.09	36.65	7.46	57.55	73.98	-16.43	44.11	53.98	-9.87
Final = Raw + Path Loss											
Margin = Final - Limit											

1-4Ghz - High ch

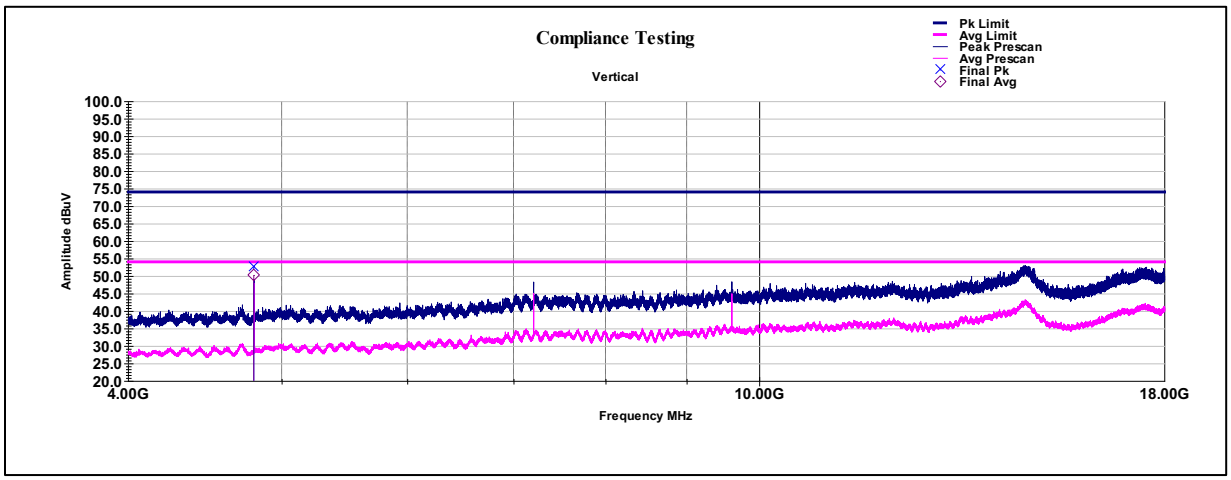


Frequency	Azimuth	Height	Raw Pk	Raw Avg	Correction	Final Pk	Pk Limit	Pk Margin	Final Avg	Avg Limit	Avg Margin
GHz	deg	cm	dBuV	dBuV	dB	dBuV/m	dBuV/m	dB	dBuV/m	dBuV/m	dB
2.483907925	30.00	364.00	50.96	36.45	8.05	59.01	73.98	-14.97	44.50	53.98	-9.48
Final = Raw + Path Loss											
Margin = Final - Limit											

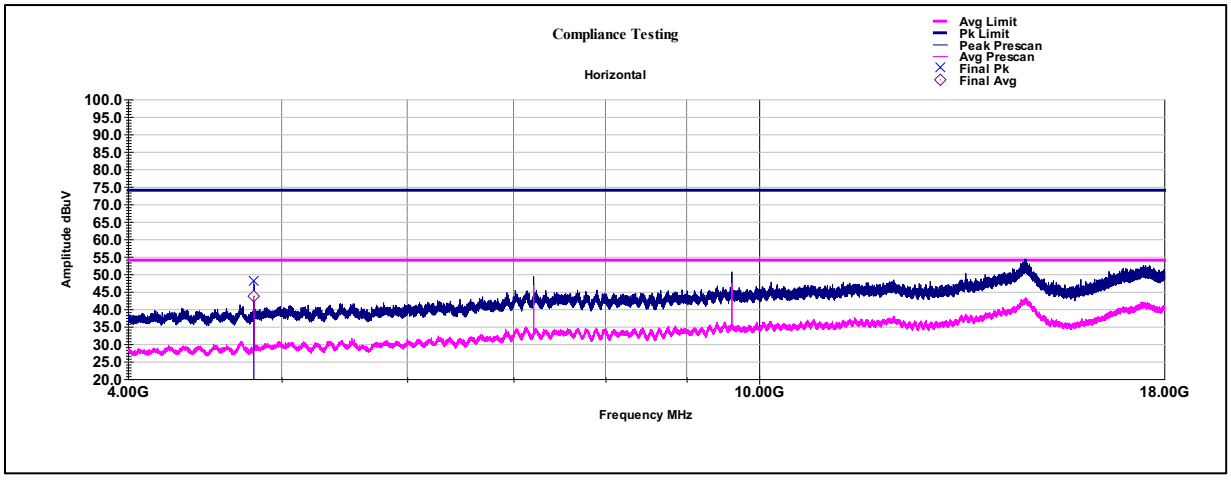


Frequency	Azimuth	Height	Raw Pk	Raw Avg	Correction	Final Pk	Pk Limit	Pk Margin	Final Avg	Avg Limit	Avg Margin
GHz	deg	cm	dBuV	dBuV	dB	dBuV/m	dBuV/m	dB	dBuV/m	dBuV/m	dB
2.483571025	281.00	175.00	49.96	36.46	8.05	58.00	73.98	-15.98	44.50	53.98	-9.48
Final = Raw + Path Loss											
Margin = Final - Limit											

4-18GHz (Low ch)

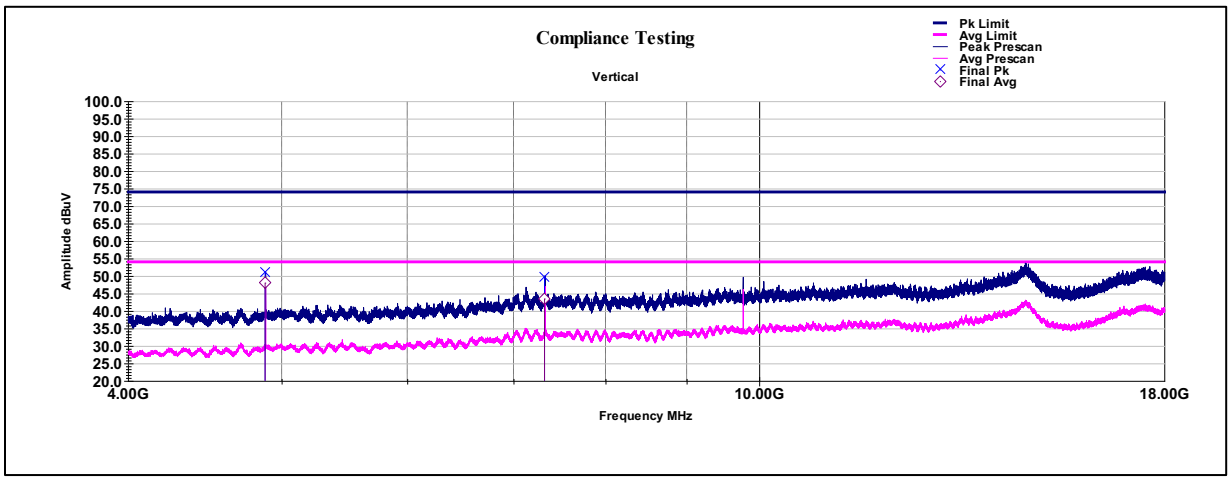


Frequency	Azimuth	Height	Raw Pk	Raw Avg	Correction	Final Pk	Pk Limit	Pk Margin	Final Avg	Avg Limit	Avg Margin
GHz	deg	cm	dBuV	dBuV	dB	dBuV/m	dBuV/m	dB	dBuV/m	dBuV/m	dB
4.801953	83.00	100.00	59.96	57.44	-7.19	52.77	74.00	-21.23	50.25	54	-3.75
Final = Raw + Path Loss											
Margin = Final - Limit											

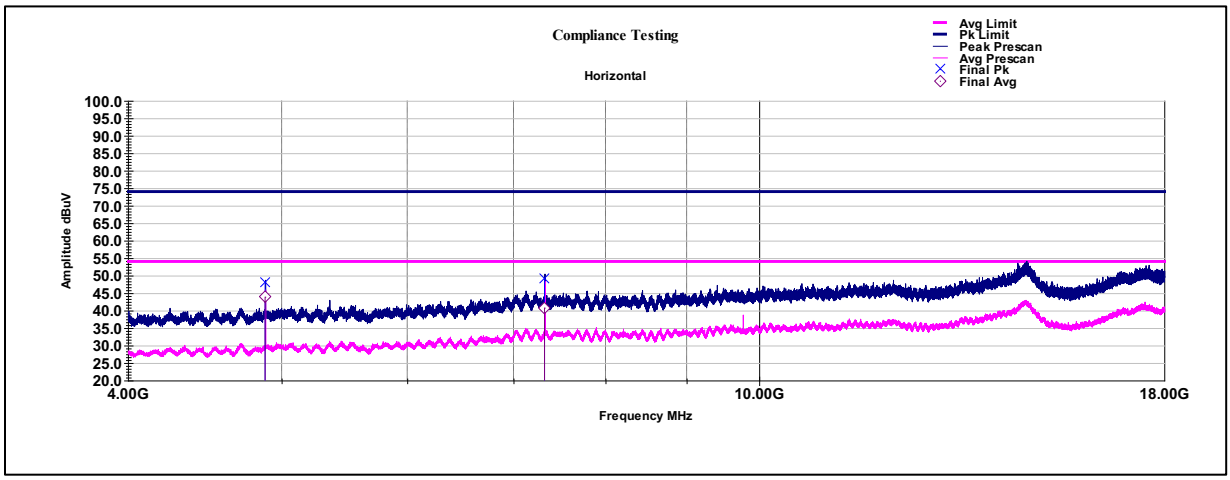


Frequency	Azimuth	Height	Raw Pk	Raw Avg	Correction	Final Pk	Pk Limit	Pk Margin	Final Avg	Avg Limit	Avg Margin
GHz	deg	cm	dBuV	dBuV	dB	dBuV/m	dBuV/m	dB	dBuV/m	dBuV/m	dB
4.80199025	0.00	100.00	55.31	50.99	-7.19	48.12	74.00	-25.88	43.80	54	-10.20
Final = Raw + Path Loss											
Margin = Final - Limit											

4-18GHz (Mid ch)

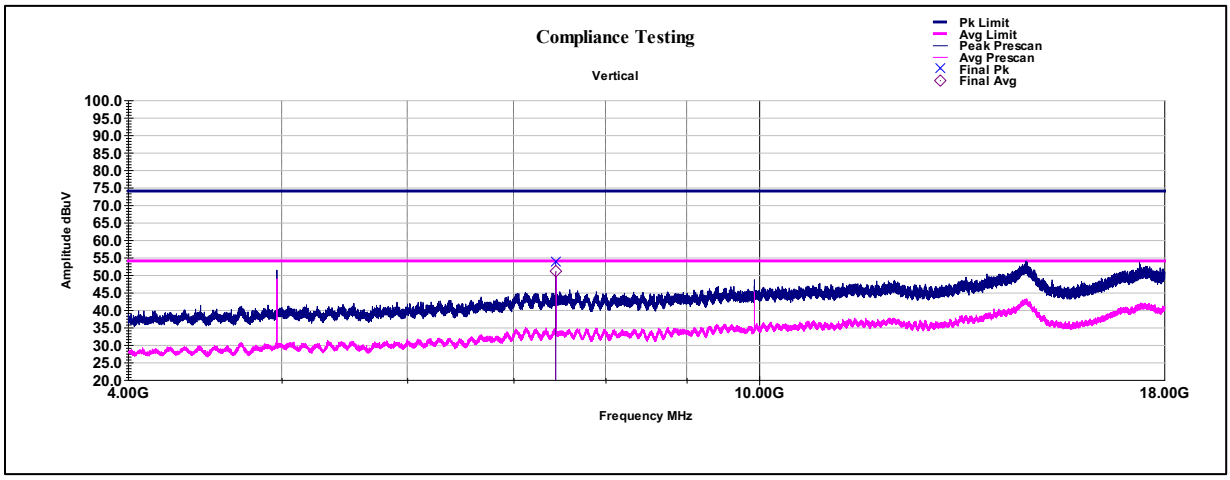


Frequency	Azimuth	Height	Raw Pk	Raw Avg	Correction	Final Pk	Pk Limit	Pk Margin	Final Avg	Avg Limit	Avg Margin
GHz	deg	cm	dBuV	dBuV	dB	dBuV/m	dBuV/m	dB	dBuV/m	dBuV/m	dB
4.8820375	134.00	100.00	58.08	55.14	-7.09	50.99	74.00	-23.01	48.04	54	-5.96
7.322922	171.00	105.00	50.35	44.05	-0.55	49.81	74.00	-24.19	43.51	54	-10.49
Final = Raw + Path Loss											
Margin = Final - Limit											

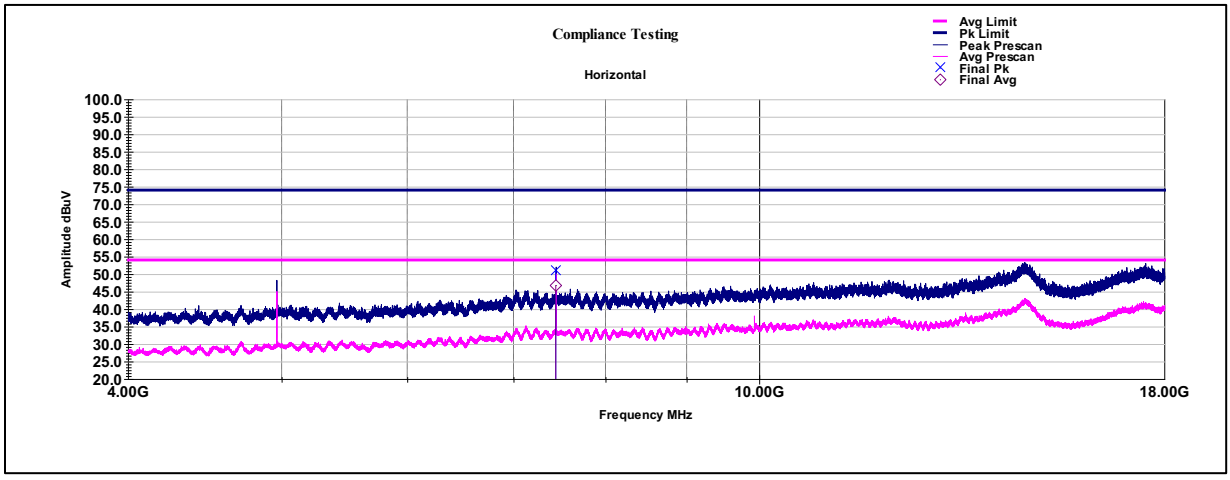


Frequency	Azimuth	Height	Raw Pk	Raw Avg	Correction	Final Pk	Pk Limit	Pk Margin	Final Avg	Avg Limit	Avg Margin
GHz	deg	cm	dBuV	dBuV	dB	dBuV/m	dBuV/m	dB	dBuV/m	dBuV/m	dB
4.88198425	47.00	325.00	55.05	51.01	-7.09	47.96	74.00	-26.04	43.92	54	-10.08
7.32306475	359.00	400.00	49.76	41.34	-0.55	49.22	74.00	-24.78	40.79	54	-13.21
Final = Raw + Path Loss											
Margin = Final - Limit											

4-18GHz (High ch)



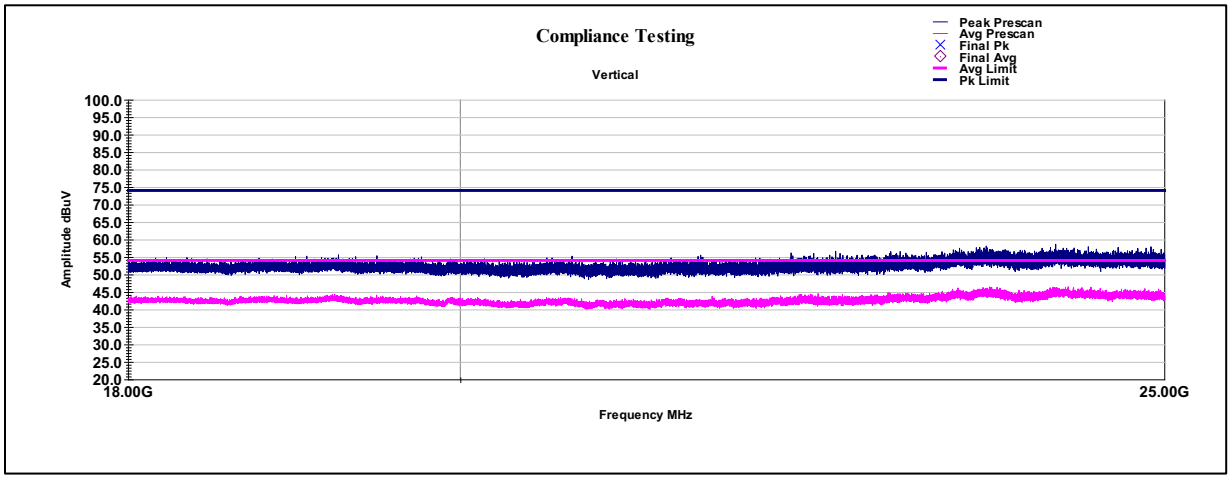
Frequency	Azimuth	Height	Raw Pk	Raw Avg	Correction	Final Pk	Pk Limit	Pk Margin	Final Avg	Avg Limit	Avg Margin
GHz	deg	cm	dBuV	dBuV	dB	dBuV/m	dBuV/m	dB	dBuV/m	dBuV/m	dB
7.442819	47.00	395.00	54.96	52.07	-1.07	53.89	74.00	-20.11	51.00	54	-3.01
Final = Raw + Path Loss											
Margin = Final - Limit											

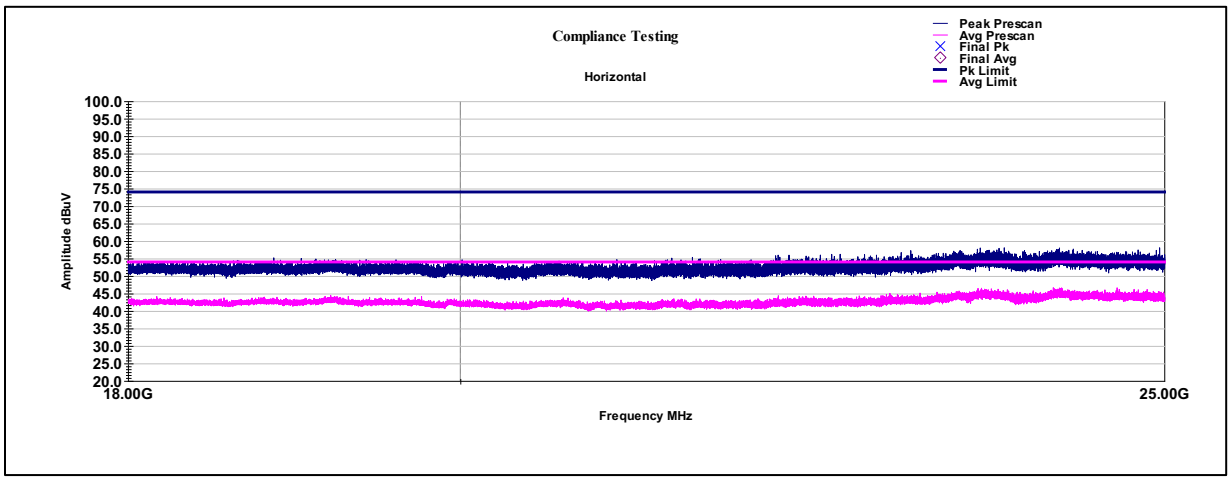


Frequency	Azimuth	Height	Raw Pk	Raw Avg	Correction	Final Pk	Pk Limit	Pk Margin	Final Avg	Avg Limit	Avg Margin
GHz	deg	cm	dBuV	dBuV	dB	dBuV/m	dBuV/m	dB	dBuV/m	dBuV/m	dB
7.44298775	281.00	210.00	52.20	47.92	-1.07	51.13	74.00	-22.87	46.85	54	-7.15
Final = Raw + Path Loss											
Margin = Final - Limit											

18-25GHz

No emissions to measure





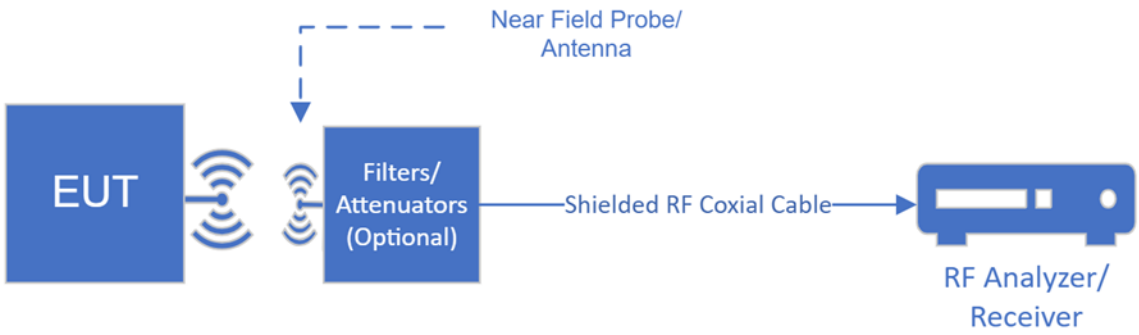
99% Occupied Bandwidth

Engineer: Jeremiah Darden
Test Date: May 2, 2024

Test Procedure

CONDUCTED METHOD
An antenna probe was placed next to the permanently attached antenna and then connected to a short shielded coax Cable. A spectrum analyzer was directly connected to this cable. The EUT was set to transmit on the low, mid and high frequencies at the maximum power level. The analyzer was offset to read the maximum power measured from radiated field strength measurements. A spectrum analyzer was used to verify that the EUT met the Bandwidth requirements.

Test Setup



The Spectrum Analyzer was set to the following:

RBW = 1-3% of OBW
VBW ≥ 3 x RBW
Peak Detector
Trace mode = max hold
Sweep = auto couple
Span = 1.5 x EBW

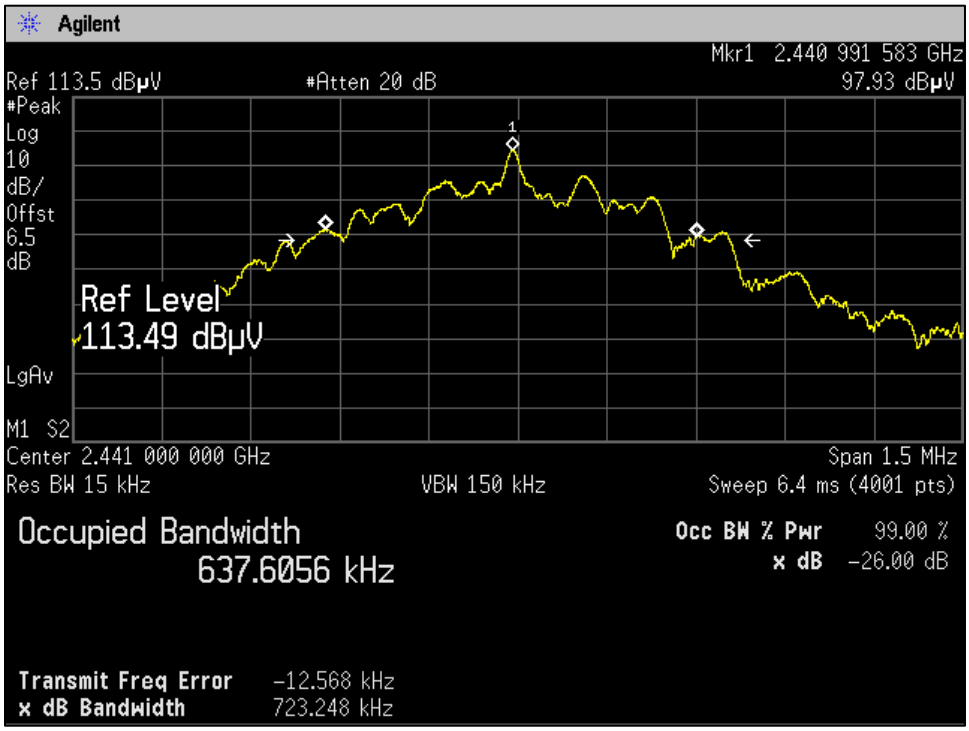
99% Bandwidth Summary

Frequency (MHz)	Mode of Operation	Measured Bandwidth (kHz)	Result
2401	Continuous TX Low Ch	650.1	Complete
2441	Continuous TX Mid Ch	637.6	Complete
2481	Continuous TX High Ch	657.5	Complete

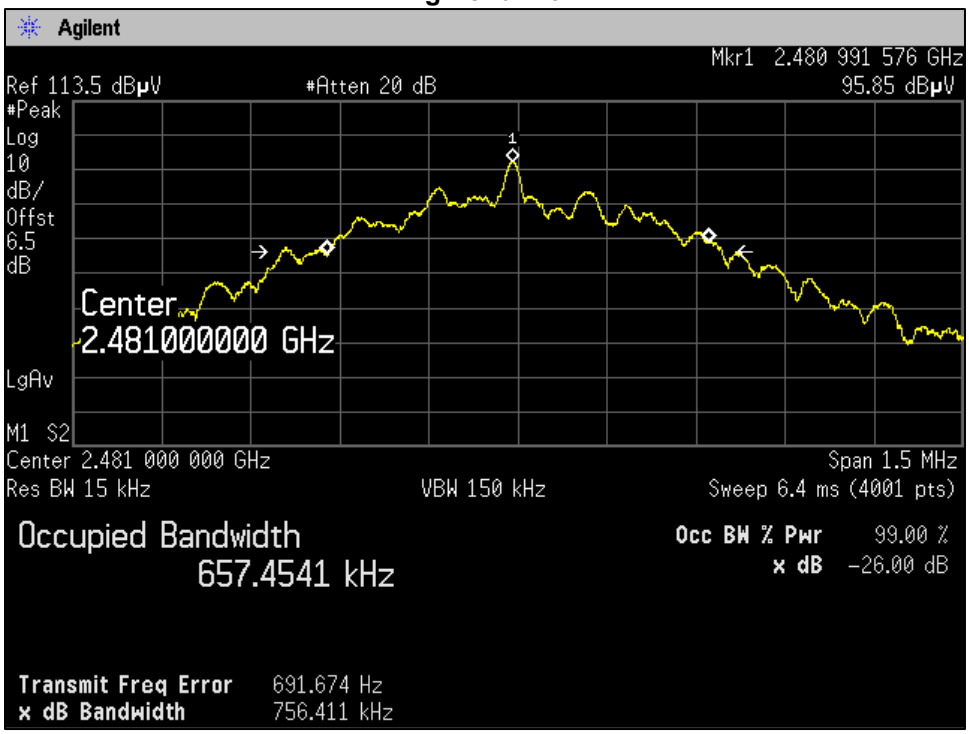
99% Bandwidth Plots

Low Channel

Mid Channel



High Channel



Test Equipment Utilized

Description	Manufacturer	Model #	CT Asset #	Last Cal Date	Cal Due Date
Bilog Antenna 0.030-1.0GHz	Schaffner	CBL6111C	i00349	02/07/23	02/06/25
ultra wideband LNA 10MHz-45GHz	RF-Lambda USA	RLNA00M45GA	i00555	02/19/24	02/19/25
9kHz-44GHz CISPR comp. receiver	Keysight	N9038A	i00552	03/01/24	03/01/25
RF Amplifier 10MHz-50GHz, 40dB gain amp.	Eravant	SBB-0115034019-2F2F-E3	i00722	02/7/24	02/7/25
1-18GHz Horn Antenna	Antenna Research Assoc	DRG-118/A	i00271	08/11/22	08/10/24
Antenna, Horn 18-40GHz	EMCO	3116	I00085	03/14/23	03/13/25
temperature/humidity/pressure probe	Omega Engineering, Inc.	iBTHX-W-5	i00629	01/25/23	01/24/25
temperature/humidity/pressure probe	Omega Engineering, Inc.	iBTHX-W	i00686	01/25/23	01/24/25
Network analyzer	HP	8753D	i00505	11/03/23	11/02/24
Spectrum Analyzer 3Hz-13.2GHz	Agilent	E4445A	I00471	01/05/24	01/05/25

In addition to the above listed equipment standard RF connectors and cables were utilized in the testing of the described equipment. Prior to testing these components were tested to verify proper operation.

Measurement Uncertainty

Measurement Uncertainty for Compliance Testing is listed in the table below.

Measurement	U_{lab}
Radio Frequency	± 3.3 x 10^{-8}
RF Power, conducted	± 1.5 dB
RF Power Density, conducted	± 1.0 dB
Conducted Emissions	± 1.8 dB
Radiated Emissions 9kHz-30MHz	± 3.6 dB
Radiated Emissions 30MHz-1000MHz	± 4.25 dB
Radiated Emissions – 1GHz-18GHz	± 4.5 dB
Temperature	± 1.5 deg C
Humidity	± 4.3 %

Measurement	U_{lab}
DC voltage	± 0.20 VDC
AC Voltage	± 1.2 VAC

The reported expanded uncertainty +/- U_{lab}(dB) has been estimated at a 95% confidence level (k=2)
U_{lab} is less than or equal to U_{EMC} therefore;

- Compliance is deemed to occur if no measured disturbance exceeds the disturbance limit.
- Non-Compliance is deemed to occur if any measured disturbance exceeds the disturbance limit.

END OF TEST REPORT