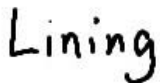


RF Test Report

Test Report Number	STA-25011432-LC-FCC-IC-RF-NII
FCC ID ISED ID Applicant Applicant Address Product Name Model Number Date of Receipt Date of Test Report Issue Date Test Standards Test Result	N6C-SDMAX 4908A-SDMAX Silex technology, Inc. 2-3-1 Hikaridai, Seika-cho, Kyoto 619-0237, Japan Embedded Wireless Module SX-SDMAX 02/18/2025 03/14/2025 - 04/09/2025 04/10/2025 47 CFR Part 15.247 RSS-247 Issue 3, Aug 2023 PASS
	Issued by: Vista Compliance Laboratories 1261 Puerta Del Sol, San Clemente, CA 92673 USA www.vista-compliance.com
 Lining Li (Test Engineer)	 David Zhang (Technical Manager)
This report is for the exclusive use of the applicant. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. Note that the results contained in this report pertain only to the test samples identified herein, and the results relate only to the items tested and the results that were obtained in the period between the date of initial receipt of samples and the date of issue of the report. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested and the results thereof based upon the information provided to us. The applicant has 60 days from date of issuance of this report to notify us of any material error or omission. Failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents. Unless specific mention, the uncertainty of measurement has been explicitly taken into account to declare the compliance or non-compliance to the specification. The report must not be used by the client to claim product certification, approval, or endorsement by any government agencies. This report is not to be reproduced by any means except in full and in any case not without the written approval of Vista Laboratories.	

REVISION HISTORY

Report Number	Version	Description	Issued Date
STA-25011432-LC-FCC-IC-RF-NII	Original	Initial report	04/10/2025

TABLE OF CONTENTS

1	TEST SUMMARY	4
2	GENERAL INFORMATION.....	5
2.1	Applicant.....	5
2.2	Product information.....	5
2.3	Test standard and method.....	6
3	TEST SITE INFORMATION.....	6
4	MODIFICATION OF EUT / DEVIATIONS FROM STANDARDS.....	6
5	TEST CONFIGURATION AND OPERATION	6
5.1	EUT Test Configuration	6
5.2	Supporting Equipment.....	6
6	UNCERTAINTY OF MEASUREMENT	7
7	TEST SUMMARY AND RESULTS	8
7.1	Antenna Requirements.....	8
7.2	Radiated Emissions & Unwanted Emissions into Restricted Frequency Bands	9
9	TEST INSTRUMENT LIST	61

1 Test Summary

Test Item	Test Requirement	Test Method	Result
Antenna Requirement	47 CFR Part 15.203	N/A	Pass
AC Power Line Conducted Emissions	47 CFR Part 15.207 RSS-Gen Issue 5, Feb 2021	ANSI C63.10 (2013) RSS-Gen Issue 5, Feb 2021	N/A
26 dB Bandwidth	47 CFR Part 15.247 RSS-247 Issue 3, Aug 2023	ANSI C63.10 (2013)	N/A
Occupied Bandwidth	RSS-247 Issue 3, Aug 2023	RSS-247 Issue 3, Aug 2023	N/A
Maximum Conducted Output Power	47 CFR Part 15.247 RSS-247 Issue 3, Aug 2023	ANSI C63.10 (2013)	N/A
Power Spectral Density	47 CFR Part 15.247 RSS-247 Issue 3, Aug 2023	ANSI C63.10 (2013)	N/A
Radiated Band-Edge into Restricted Frequency Bands	47 CFR Part 15.247 RSS-247 Issue 3, Aug 2023	ANSI C63.10 (2013)	Pass
Radiated Spurious Emission	47 CFR Part 15.247 RSS-247 Issue 3, Aug 2023	ANSI C63.10 (2013)	Pass

Note: N/A. The EUT is a certified BT and WLAN module, for more test details please see FCC ID: N6C-SDMAX and ISSED ID: 4908A-SDMAX. Current report is additional evaluation due to adding new antenna for C2PC filing.

2 General Information

2.1 Applicant

Applicant	Silex technology, Inc.
Applicant address	2-3-1 Hikaridai, Seika-cho, Kyoto 619-0237, Japan
Manufacturer	Silex technology, Inc.
Manufacturer Address	2-3-1 Hikaridai, Seika-cho, Kyoto 619-0237, Japan

2.2 Product information

Product Name	Embedded Wireless Module		
Model Number	SX-SDMAX		
Family Models	N/A		
Serial Number	1CBCEC3064CA		
Frequency Band	Bluetooth_Classic: 2402-2480MHz BLE: 2402-2480MHz WLAN 2.4G: 2412-2462MHz WLAN 5G: 5180-5240MHz, 5260-5320MHz 5500-5720MHz, 5725-5825MHz		
Type of modulation	GFSK, $\pi/4$ DQPSK, 8DPSK for Bluetooth Classic GFSK for BLE CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode 1024QAM for OFDMA in 11ax mode		
Equipment Class	NII		
Antenna Information	External dual-band WiFi antenna Manufacturer: PANOPRAMA ANTENNAS, Model: LG-IN2929		
	Frequency Range (MHz)	Peak Gain without cable (dBi)	Net Peak Gain with cable loss (dBi)
	2396-2485	4.9	3.16
	5150-5250	4.7	2.2
	5250-5350	5.2	2.7
	5470-5725	6.1	3.6
	5725-5900	6.3	3.8
	(only WiFi1 element will be used in this antenna; RF cable is 2m CS32 external cable)		
Clock Frequencies	N/A		
Input Power	3.3VDC		
Power Adapter Manufacturer/Model	N/A		
Power Adapter SN	N/A		
Hardware version	N/A		
Software version	N/A		
Additional Info	Antenna information is for the new antenna to be added and used with this radio module.		

2.3 Test standard and method

Test standard	47CFR Part 15.407 RSS-247 Issue 3, Aug 2023
Test method	ANSI C63.10 (2013) 789033 D02 General UNII Test Procedures New Rules v02r01

3 Test Site Information

Lab performing tests	Vista Laboratories, Inc.
Lab Address	1261 Puerta Del Sol, San Clemente, CA 92673 USA
Phone Number	+1 (949) 393-1123
Website	www.vista-compliance.com

Test Condition	Temperature	Humidity	Atmospheric Pressure
Radiated Emission Testing	23.5°C	45.1%	1003 mbar

4 Modification of EUT / Deviations from Standards

The EUT is an engineering test sample loaded with RF testing firmware specifically designed to support the RF TX measurement in different aspects.

5 Test Configuration and Operation

5.1 EUT Test Configuration

The EUT is mounted onto an i.MX 93 EVK to support testing. EUT is set to different transmission modes in terms of radio mode bandwidth, power level, test channel, etc.

The following software was used for testing and to monitor EUT performance.

Software	Description
EMISoft Vasona	EMC/RF Spurious emission test software used during testing
Tera Term	Set the module word at WLAN mode

5.2 Supporting Equipment

Description	Manufacturer	Model #	Serial #	Remark
Laptop	Lenovo	81WA	PF2AJYV1	Send command
i.MX 93 EVK	N/A	N/A	TR24500332	Test Fixture
AC Adapter	EDAC	EA1045CR	N/A	Power to Support board
Type C to USB Cable	N/A	N/A	N/A	Communication with Test PC

6 Uncertainty of Measurement

Test item	Measurement Uncertainty (dB)
RF Output Power (Conducted)	±1.2 dB
Power Spectral Density	±0.9 dB
Unwanted Emission (conducted)	±2.6 dB
Occupied Channel Bandwidth	±5 %
Radiated Emission (9KHz-30MHz)	±3.5 dB
Radiated Emission (30MHz-1GHz)	±4.6 dB
Radiated Emission (1-18GHz)	±4.9 dB
Radiated Emission (18-40GHz)	±3.5 dB

7 Test Summary and Results

7.1 Antenna Requirements

7.1.1 Requirement

Per § 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site.

7.1.2 Conclusion

Analysis:

- EUT has u.FL antenna connector which is a unique type that is acceptable for FCC. The added external dual-band WiFi antenna, has reversed-SMA connector, which connects to SX-USBAC through a u.FL to RSMA adapter or pigtail cable. The entire connection is considered unique coupling.

-

Conclusion:

- EUT and its antenna meet FCC requirements.

7.2 Radiated Emissions & Unwanted Emissions into Restricted Frequency Bands

7.2.1 Requirement

§ 15.407 (b), RSS-247 6.2

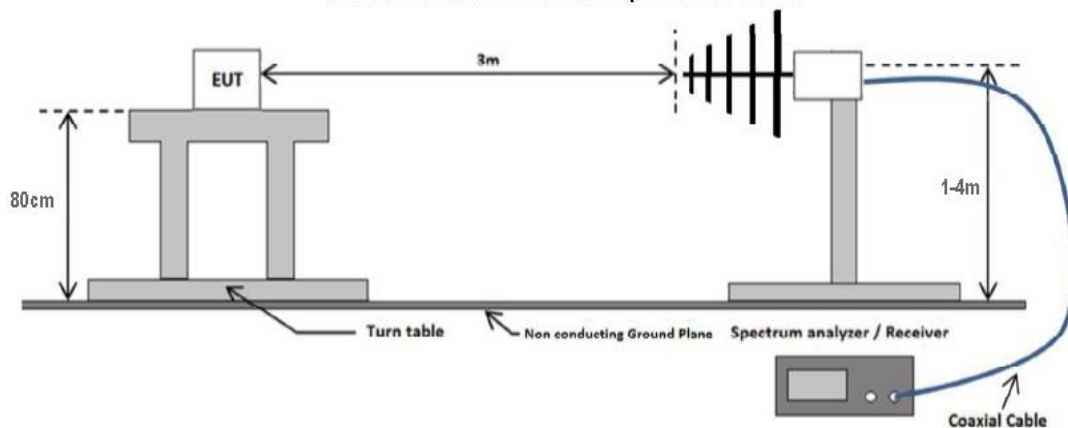
- 1) For transmitters operating in the 5.15-5.25 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz.
- 2) For transmitters operating in the 5.25-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- 3) For transmitters operating in the 5.47-5.725 GHz band: all emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz.
- 4) For transmitters operating in the 5.725-5.825 GHz band: all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
- 5) Restricted band, emission must also comply with the radiated emission limits specified in 15.209

Restricted band, emission must also comply with the radiated emission limits specified in 15.209. Attenuation below the general limits specified in §15.209(a) and RSS-Gen is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

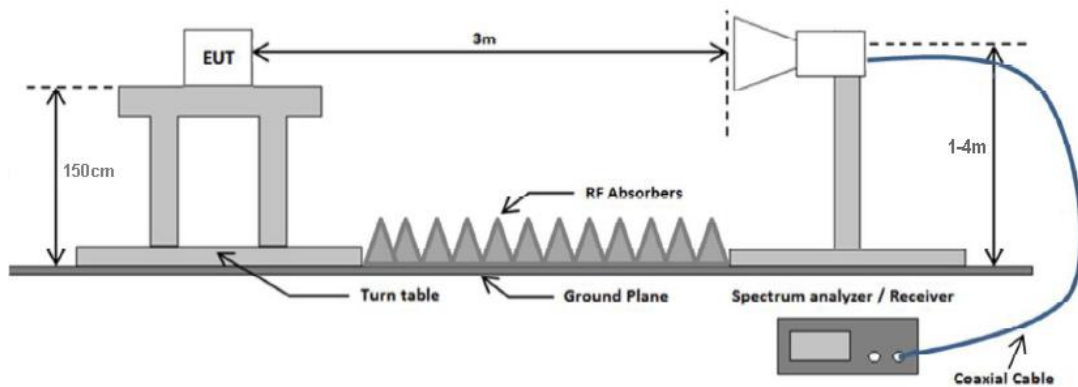
Frequency Range (MHZ)	Field Strength (µV/m)	Measurement Distance (m)
0.009~0.490	2400/F(kHz)	300
0.490~1.705	24000/F(kHz)	30
1.705~30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 960	200	3
Above 960	500	3

7.2.2 Test Setup

Radiated emissions test setup 30 MHz - 1 GHz



Radiated emissions test setup above 1 GHz



7.2.3 Test Procedure

According to subclause 12.7, Radiated spurious emission measurements in ANSI C63.10-2013 as well as the procedures for maximizing and measuring radiated emissions that are described in ANSI C63.10 was followed. Boresight antenna mast was used during the scanning to point to EUT to maximize the emission. The process will be repeated in 3 EUT orientations.

1. The EUT was switched on and allowed to warm up to its normal operating condition.
2. The test was carried out at the selected frequency points obtained from the EUT characterization. Maximization of the emissions, was carried out by rotating the EUT, changing the antenna polarization, and adjusting the antenna height in the following manner:
 - a. Vertical or horizontal polarization (whichever gave the higher emission level over a full rotation of the EUT) was chosen.
 - b. The EUT was then rotated to the direction that gave the maximum emission.
 - c. Finally, the antenna height was adjusted to the height that gave the maximum emission.
3. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 300 Hz for frequency below 150KHz.
4. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 10 kHz for frequency between 150KHz – 30MHz.
5. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-Peak detection at frequency between 30MHz - 1GHz.
6. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz with Peak detection for Peak and average measurement at frequency above 1GHz.
7. Steps 2 and 3 were repeated for the next frequency point, until all selected frequency points were measured.

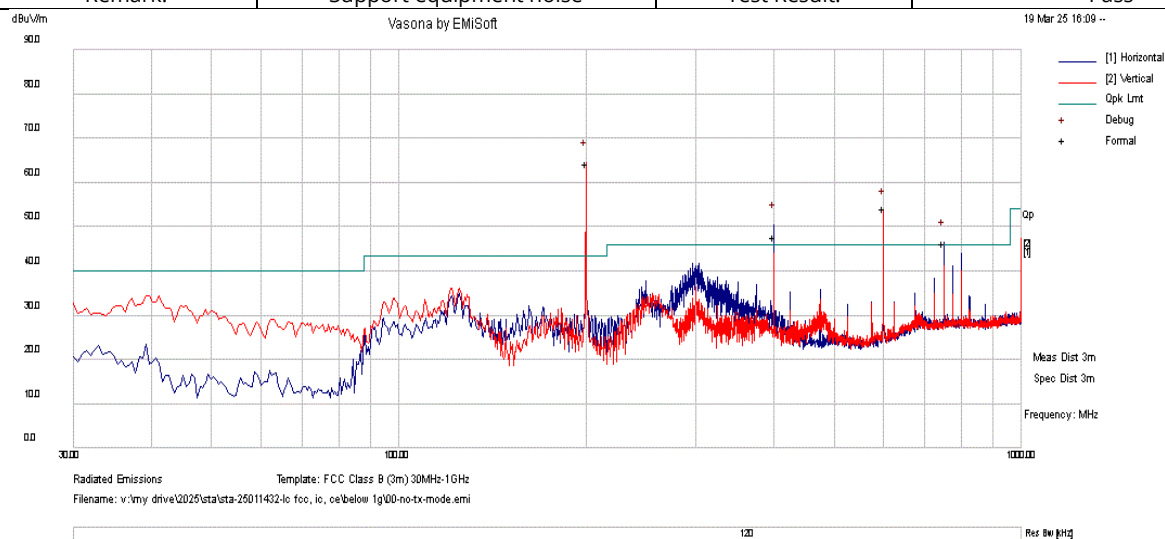
7.2.4 Test Result

Radiated Emission between 9KHz – 30MHz test result

Note: no substantial emission is found other than the noise floor. Different modes have been verified.

RADIATED SPURIOUS EMISSION BELOW 1GHZ

Test Standard:	15.209, 15.407, RSS-247	Mode:	WLAN Non TX Mode
Frequency Range:	30 MHz - 1 GHz	Test Date:	03/19/2025
Antenna Type/Polarity:	Bi-Log/Hor & Ver	Test Personnel:	Lining
Remark:	Support equipment noise	Test Result:	Pass

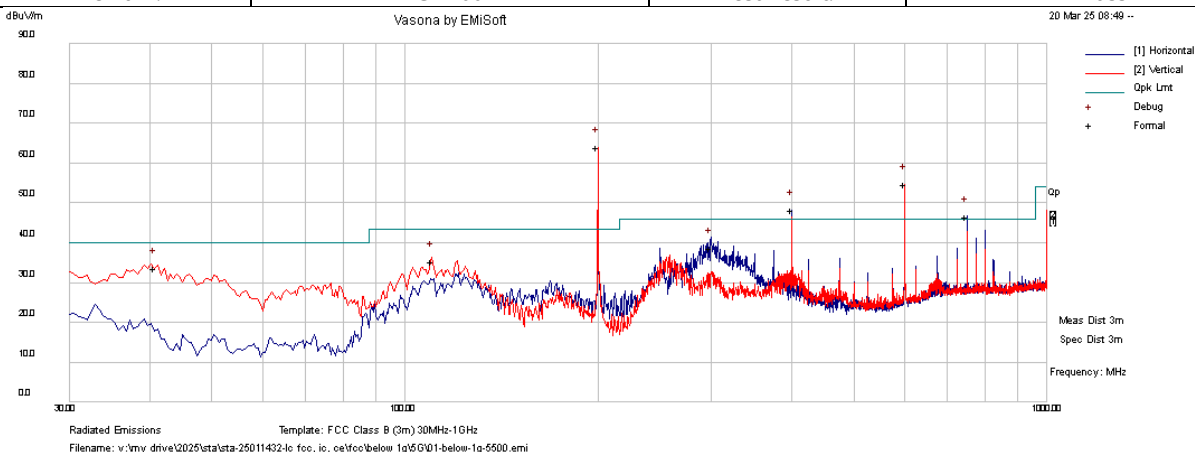


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	199.99	69.56	4.73	-10.05	64.24	Quasi Max	V	100	236	43.50	20.74	N/A
2	599.98	45.94	7.16	1.03	54.13	Quasi Max	V	166	63	46.00	8.13	N/A
3	399.99	43.29	6.37	-1.89	47.77	Quasi Max	H	100	314	46.00	1.77	N/A
4	750.03	35.61	7.28	3.53	46.42	Quasi Max	H	103	223	46.00	0.42	N/A

Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. These results measured under WLAN non-TX mode are for comparison purpose only as proof of digital emission from the high speed PCIE port of the EVK (i.MX 93 EVK) after the driver is loaded and PCIE is activated. No Pass/Fail conclusion is given. These identified digital emission will be ignored in the TX mode measurement.

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11a Mode
Frequency Range:	30 MHz - 1 GHz	Test Date:	03/20/2025
Antenna Type/Polarity:	Bi-Log/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 100	Test Result:	Pass



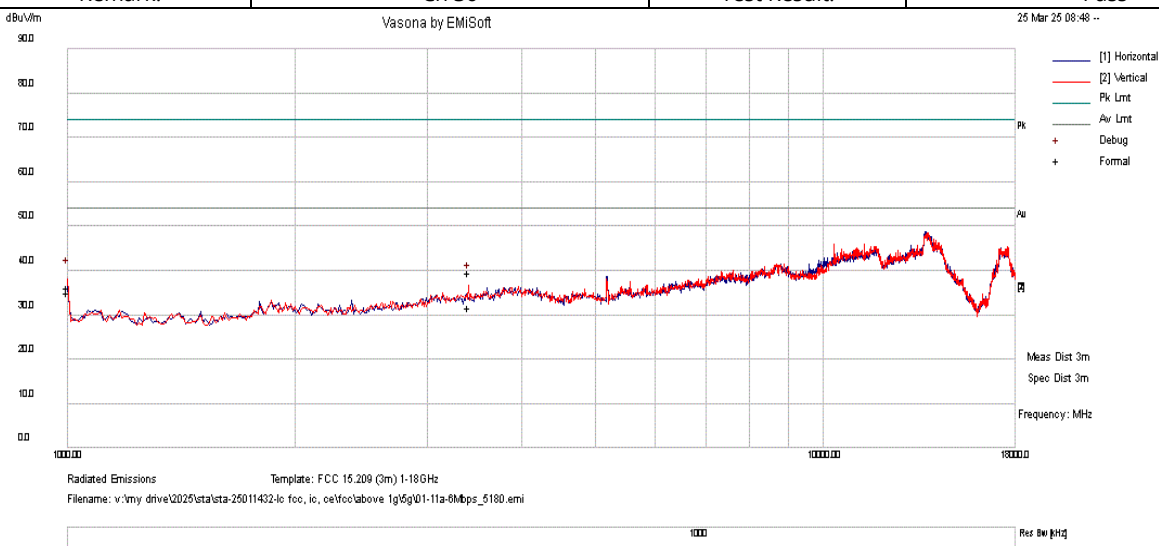
No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	200.0	68.62	4.73	-10.05	63.30	Quasi Max	V	100	232	43.50	19.80	N/A
2	599.98	44.85	7.16	1.03	53.04	Quasi Max	V	176	46	46.00	7.04	N/A
3	400.0	42.86	6.37	-1.89	47.34	Quasi Max	H	101	210	46.00	1.34	N/A
4	750.03	35.49	7.28	3.53	46.30	Quasi Max	H	195	199	46.00	0.30	N/A
5	110.375	41.02	4.04	-9.69	35.37	Quasi Max	V	100	54	43.50	-8.13	Pass
6	298.846	36.08	5.21	-2.48	38.81	Quasi Max	H	133	294	46.00	-7.19	Pass
7	40.702	42.00	2.85	-11.14	33.71	Quasi Max	V	147	57	40.00	-6.29	Pass

Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. These results of No.1 to No.4 are digital emission from the high speed PCIE port of the EVK (i.MX 93 EVK) which exists when radio is not operating. See the previous result for comparison. No Pass/Fail conclusion is given.

RADIATED EMISSIONS 1 - 18 GHZ

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11a Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	03/25/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 36	Test Result:	Pass



No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	1000.0	34.49	4.01	-2.27	36.23	Peak Max	V	152	30	74.00	-37.77	Pass
2	3399.94	28.01	8.12	3.57	39.70	Peak Max	V	154	19	74.00	-34.30	Pass
3	1000.0	33.38	4.01	-2.27	35.12	Average Max	V	152	30	54.00	-18.88	Pass
4	3399.94	19.94	8.12	3.57	31.63	Average Max	V	154	19	54.00	-22.37	Pass

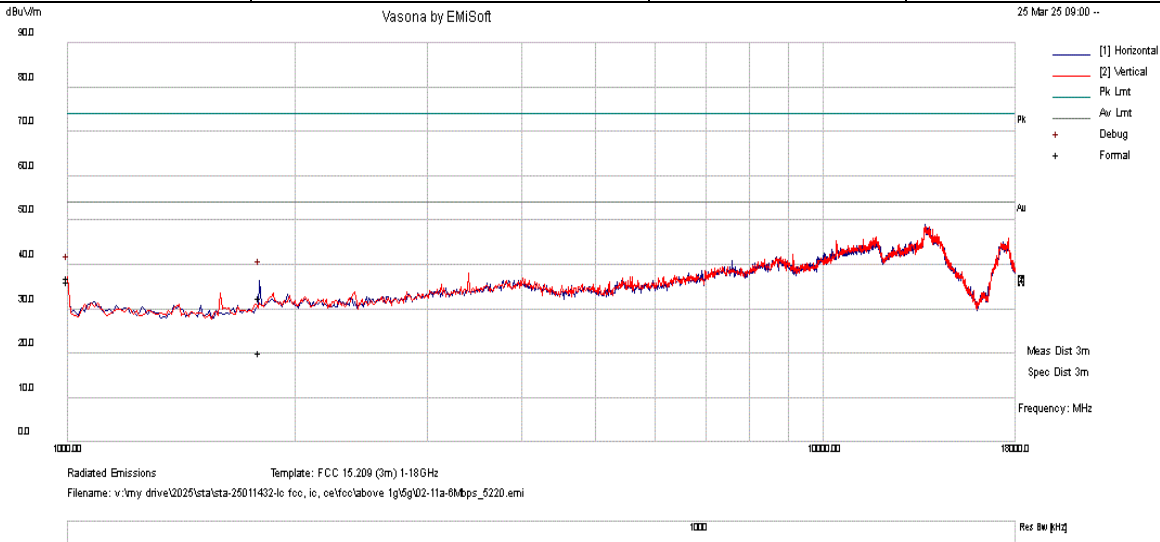
Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Report #

STA-25011432-LC-FCC-IC-RF-NII

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11a Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	03/25/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 44	Test Result:	Pass

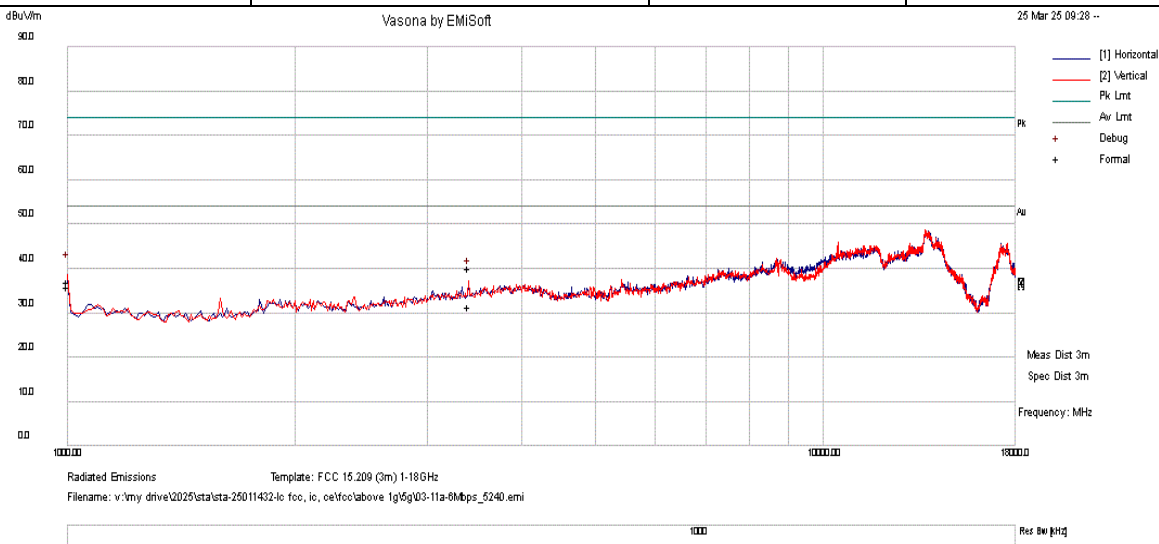


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	1000.0	35.43	4.01	-2.27	37.17	Peak Max	V	149	28	74.00	-36.83	Pass
2	1795.66	26.90	6.06	-0.49	32.47	Peak Max	H	100	110	74.00	-41.53	Pass
3	1000.0	34.42	4.01	-2.27	36.16	Average Max	V	149	28	54.00	-17.84	Pass
4	1795.66	14.62	6.06	-0.49	20.19	Average Max	H	100	110	54.00	-33.81	Pass

Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11a Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	03/25/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 48	Test Result:	Pass

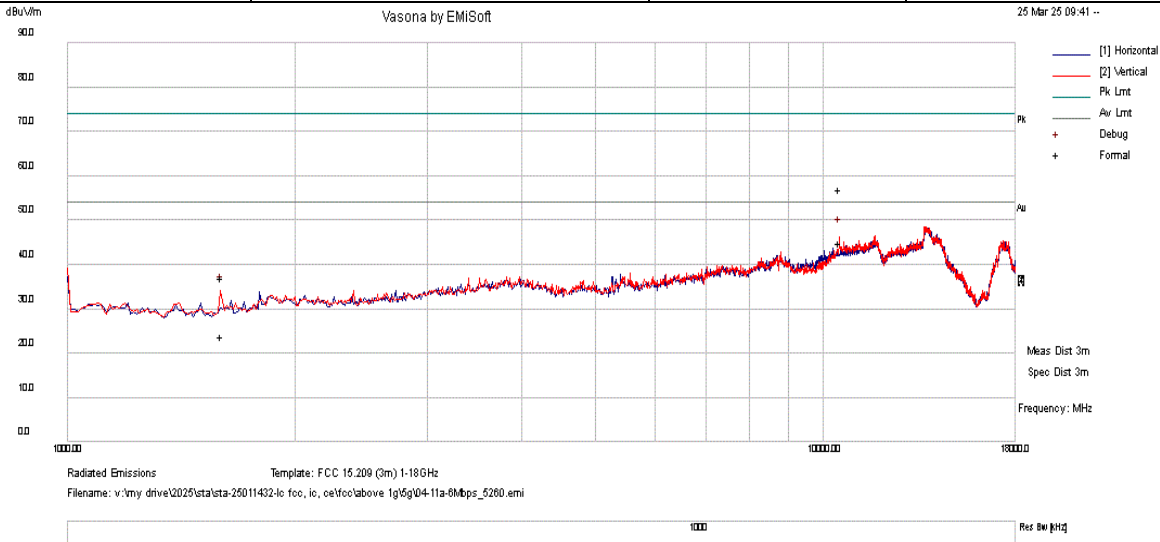


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	1000.0	35.35	4.01	-2.27	37.09	Peak Max	V	152	27	74.00	-36.91	Pass
2	3399.84	28.46	8.12	3.57	40.15	Peak Max	V	174	0	74.00	-33.85	Pass
3	1000.0	34.32	4.01	-2.27	36.06	Average Max	V	152	27	54.00	-17.94	Pass
4	3399.84	19.67	8.12	3.57	31.36	Average Max	V	174	0	54.00	-22.64	Pass

Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11a Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	03/25/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 52	Test Result:	Pass

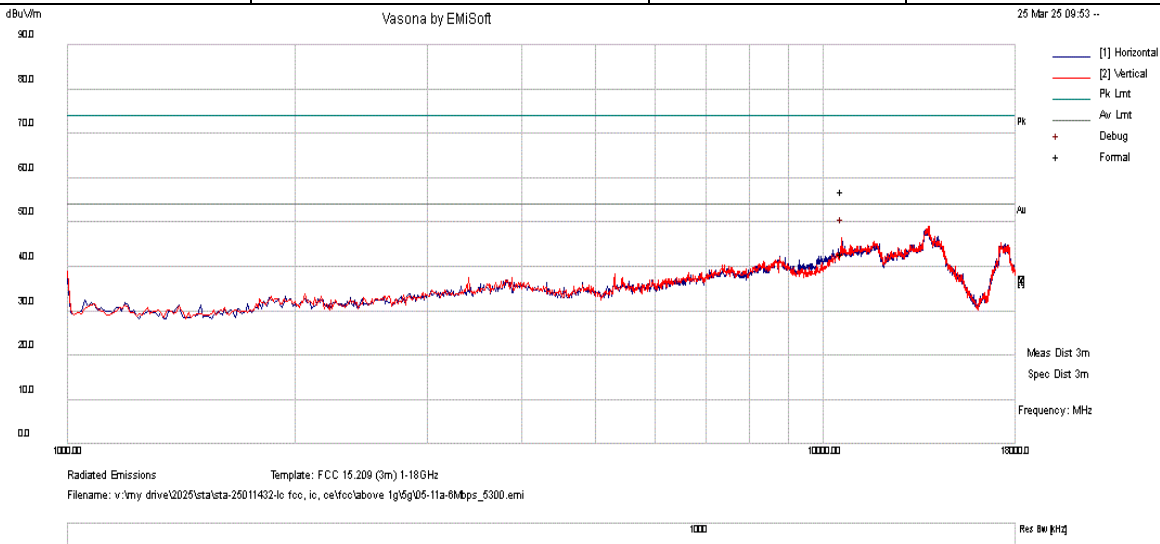


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	10522.56	26.58	17.18	13.18	56.94	Peak Max	V	156	0	74.00	-17.06	Pass
2	1599.88	33.43	5.55	-1.83	37.15	Peak Max	V	102	106	74.00	-36.85	Pass
3	10522.56	14.61	17.18	13.18	44.97	Average Max	V	156	0	54.00	-9.03	Pass
4	1599.88	20.11	5.55	-1.83	23.83	Average Max	V	102	106	54.00	-30.17	Pass

Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11a Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	03/25/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 60	Test Result:	Pass



No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	10604.36	26.68	17.21	13.08	56.97	Peak Max	V	116	60	74.00	-17.03	Pass
2	10604.36	12.72	17.21	13.08	43.01	Average Max	V	116	60	54.00	-10.99	Pass

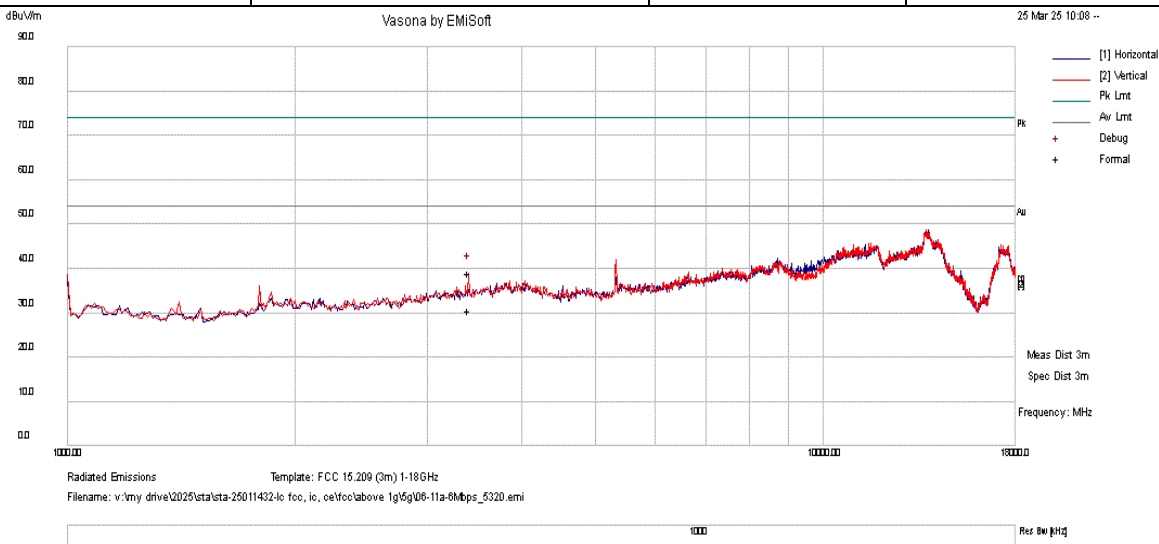
Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Report #

STA-25011432-LC-FCC-IC-RF-NII

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11a Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	03/25/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 64	Test Result:	Pass



No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	3399.84	27.27	8.12	3.57	38.96	Peak Max	V	158	10	74.00	-35.04	Pass
2	3399.84	18.82	8.12	3.57	30.51	Average Max	V	158	10	54.00	-23.49	Pass

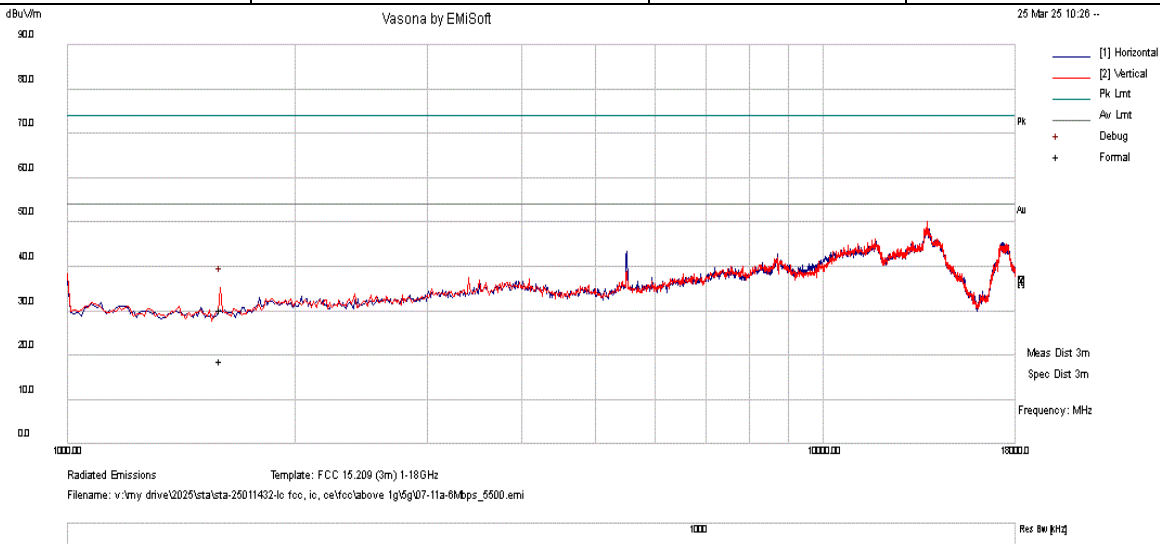
Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Report #

STA-25011432-LC-FCC-IC-RF-NII

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11a Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	03/25/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 100	Test Result:	Pass

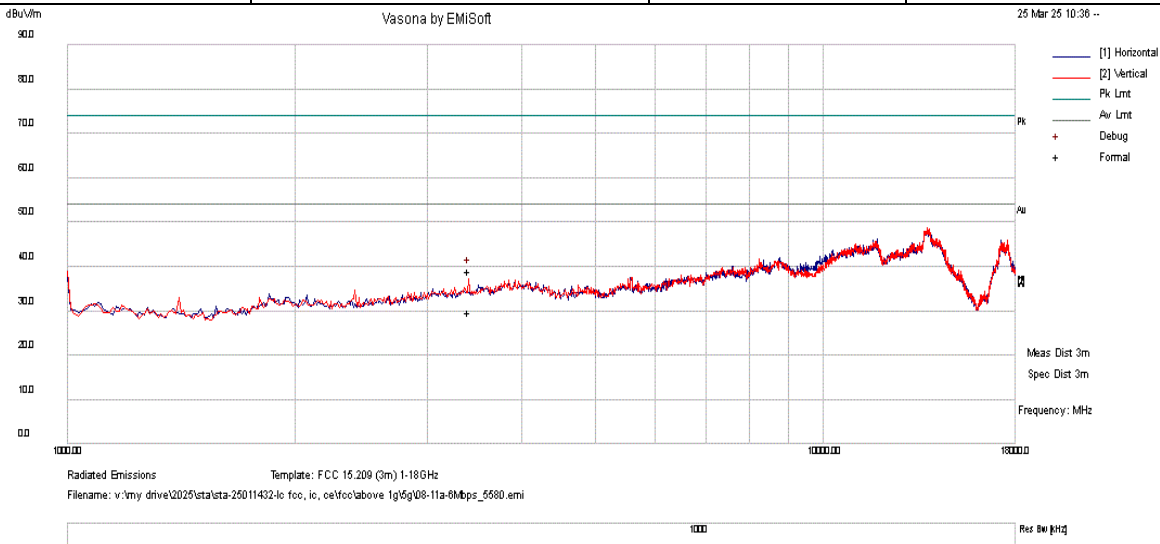


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	1595.46	26.75	5.53	-1.84	30.44	Peak Max	V	193	0	74.00	-43.56	Pass
2	1595.46	15.02	5.53	-1.84	18.71	Average Max	V	193	0	54.00	-35.29	Pass

Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11a Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	03/25/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 116	Test Result:	Pass

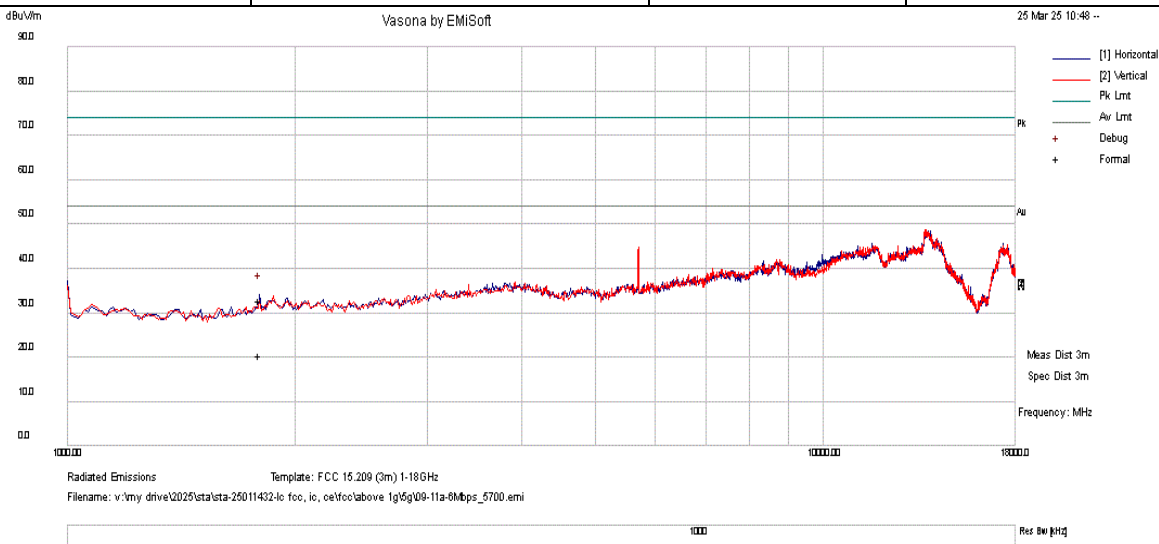


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	3399.86	27.28	8.12	3.57	38.97	Peak Max	V	182	8	74.00	-35.03	Pass
2	3399.86	18.09	8.12	3.57	29.78	Average Max	V	182	8	54.00	-24.22	Pass

Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11a Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	03/25/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 140	Test Result:	Pass



No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	1797.17	27.16	6.06	-0.47	32.75	Peak Max	H	117	47	74.00	-41.25	Pass
2	1797.17	14.85	6.06	-0.47	20.44	Average Max	H	117	47	54.00	-33.56	Pass

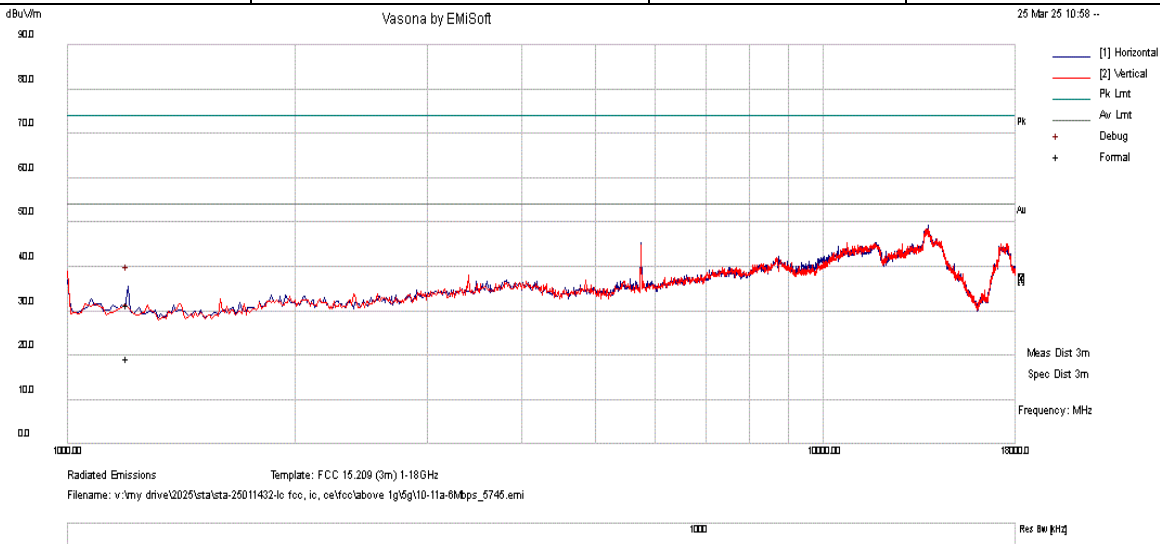
Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Report #

STA-25011432-LC-FCC-IC-RF-NII

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11a Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	03/25/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 149	Test Result:	Pass

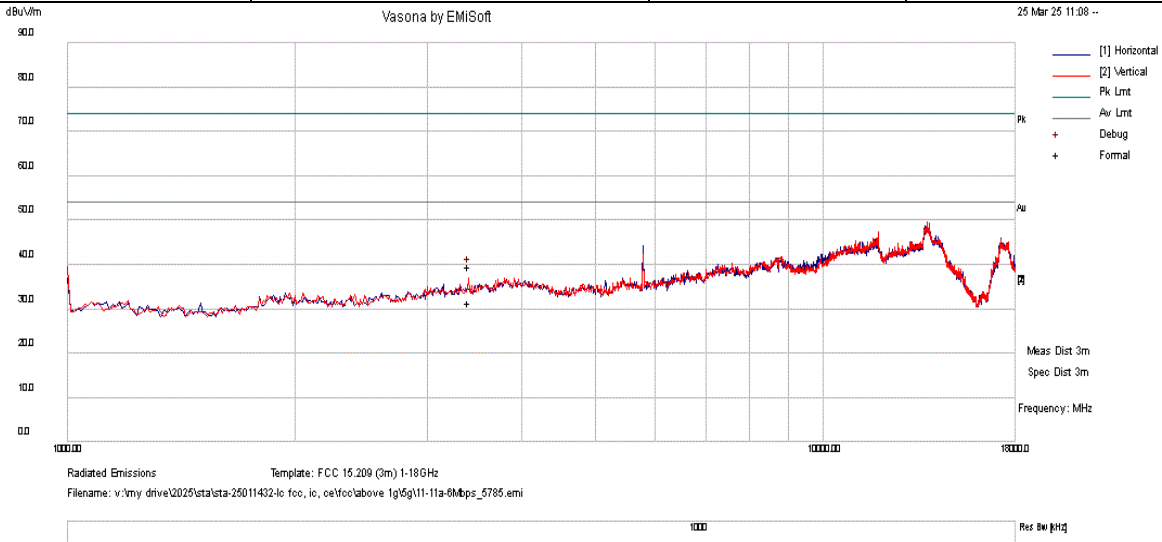


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	1202.75	28.26	4.64	-1.41	31.49	Peak Max	H	178	9	74.00	-42.51	Pass
2	1202.75	16.07	4.64	-1.41	19.30	Average Max	H	178	9	54.00	-34.70	Pass

Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11a Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	03/25/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 157	Test Result:	Pass

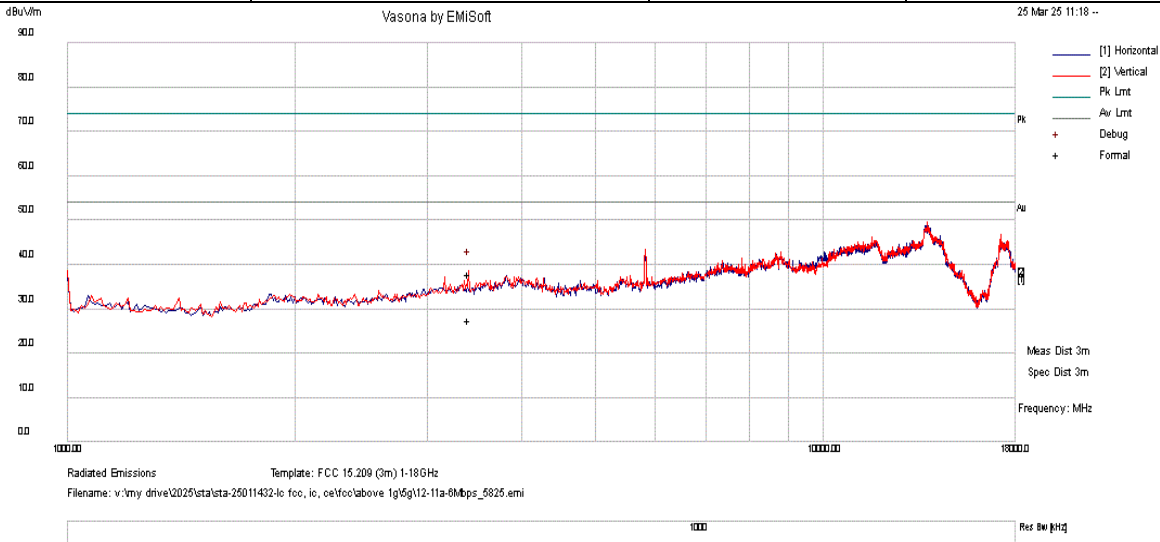


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	3399.98	27.92	8.12	3.57	39.61	Peak Max	V	184	18	74.00	-34.39	Pass
2	3399.98	19.66	8.12	3.57	31.35	Average Max	V	184	18	54.00	-22.65	Pass

Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11a Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	03/25/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 165	Test Result:	Pass

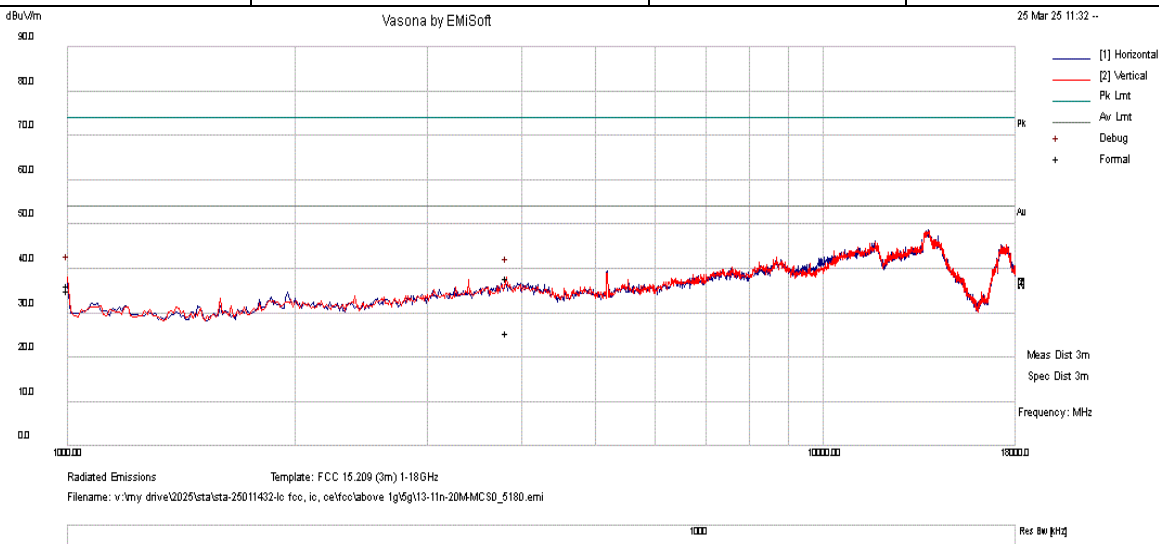


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	3399.67	26.19	8.12	3.57	37.88	Peak Max	V	207	162	74.00	-36.12	Pass
2	3399.67	15.85	8.12	3.57	27.54	Average Max	V	207	162	54.00	-26.46	Pass

Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	03/25/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 36	Test Result:	Pass

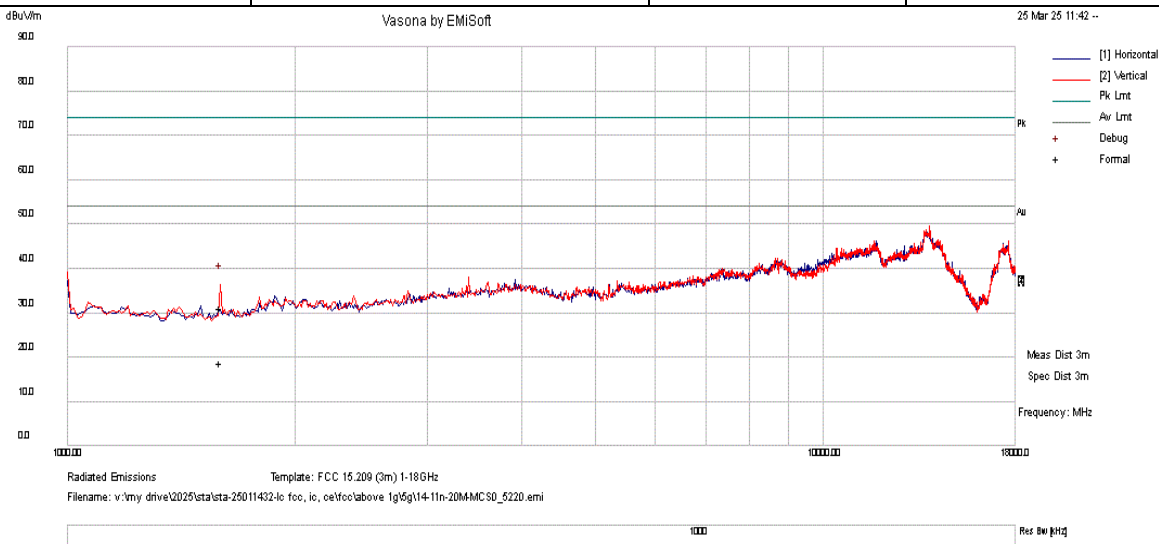


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	1000.0	34.50	4.01	-2.27	36.24	Peak Max	V	126	59	74.00	-37.76	Pass
2	3815.69	23.68	9.12	5.01	37.81	Peak Max	V	208	95	74.00	-36.19	Pass
3	1000.0	33.39	4.01	-2.27	35.13	Average Max	V	126	59	54.00	-18.87	Pass
4	3815.69	11.56	9.12	5.01	25.69	Average Max	V	208	95	54.00	-28.31	Pass

Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	03/25/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 44	Test Result:	Pass

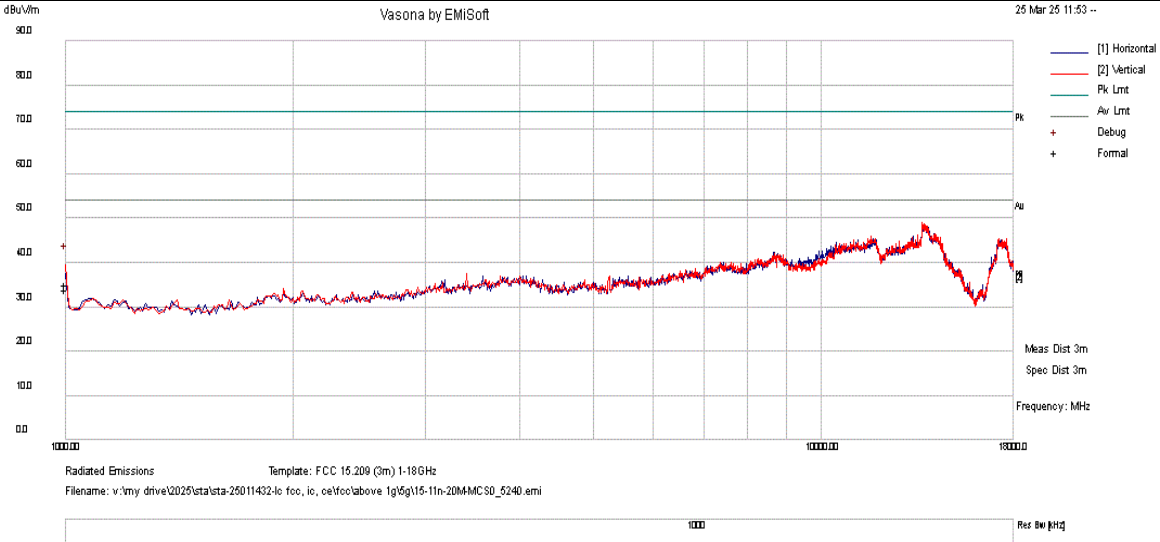


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	1593.7	27.45	5.53	-1.85	31.13	Peak Max	V	109	0	74.00	-42.87	Pass
2	1593.7	15.07	5.53	-1.85	18.75	Average Max	V	109	0	54.00	-35.25	Pass

Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	03/25/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 48	Test Result:	Pass

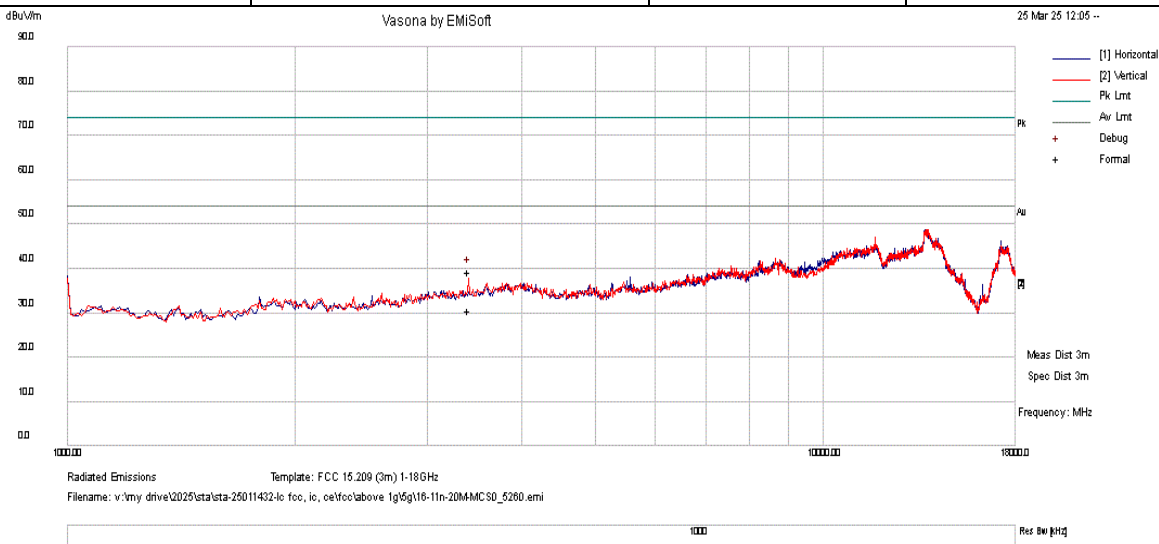


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	1000.0	33.46	4.01	-2.27	35.20	Peak Max	V	122	0	74.00	-38.80	Pass
2	1000.0	32.16	4.01	-2.27	33.90	Average Max	V	122	0	54.00	-20.10	Pass

Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	03/25/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 52	Test Result:	Pass

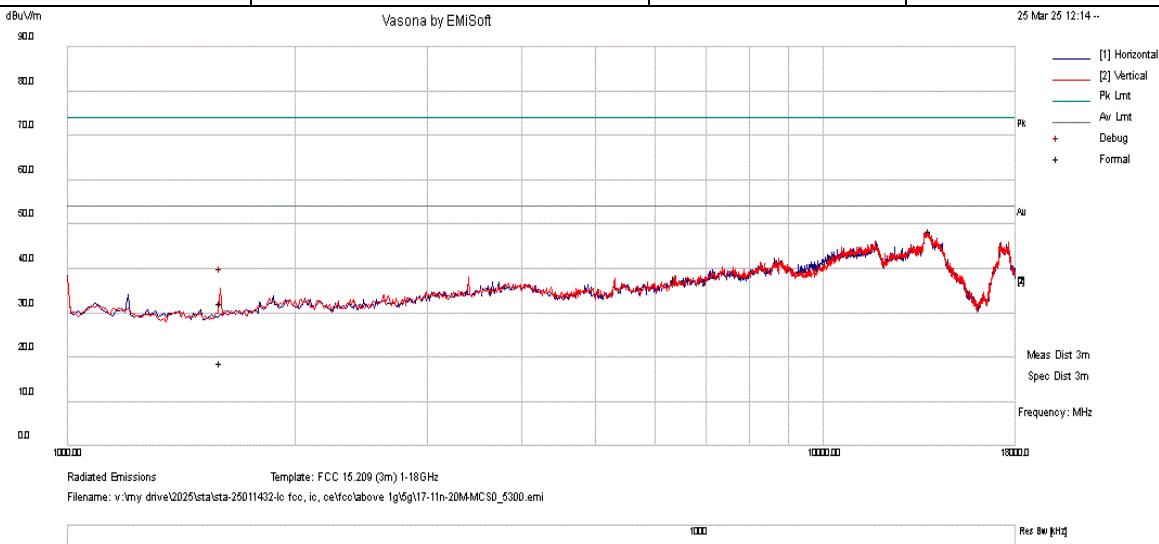


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	3400.03	27.72	8.12	3.57	39.41	Peak Max	V	179	10	74.00	-34.59	Pass
2	3400.03	19.03	8.12	3.57	30.72	Average Max	V	179	10	54.00	-23.28	Pass

Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	03/25/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 60	Test Result:	Pass



No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	1596.58	28.73	5.54	-1.84	32.43	Peak Max	V	163	56	74.00	-41.57	Pass
2	1596.58	15.10	5.54	-1.84	18.80	Average Max	V	163	56	54.00	-35.20	Pass

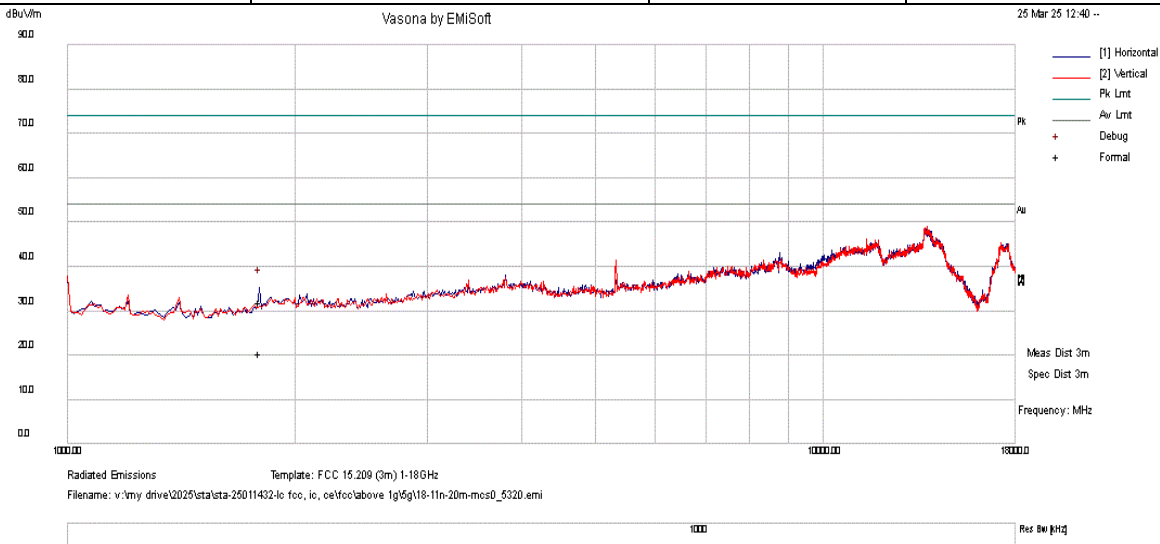
Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Report #

STA-25011432-LC-FCC-IC-RF-NII

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	03/25/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 64	Test Result:	Pass

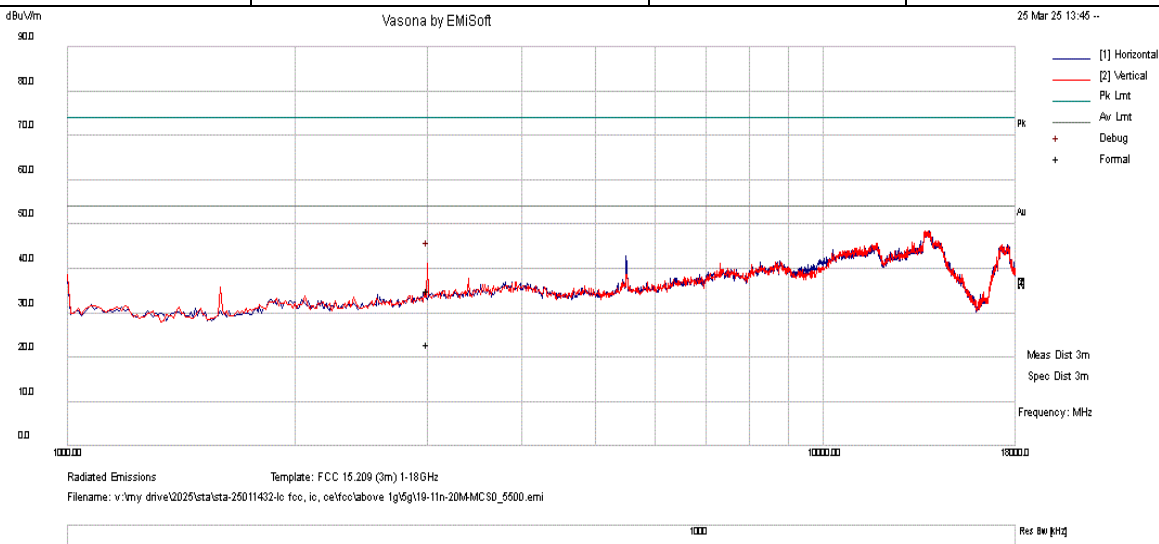


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	1797.25	26.44	6.06	-0.47	32.03	Peak Max	H	136	0	74.00	-41.97	Pass
2	1797.25	14.83	6.06	-0.47	20.42	Average Max	H	136	0	54.00	-33.58	Pass

Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	03/25/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 100	Test Result:	Pass

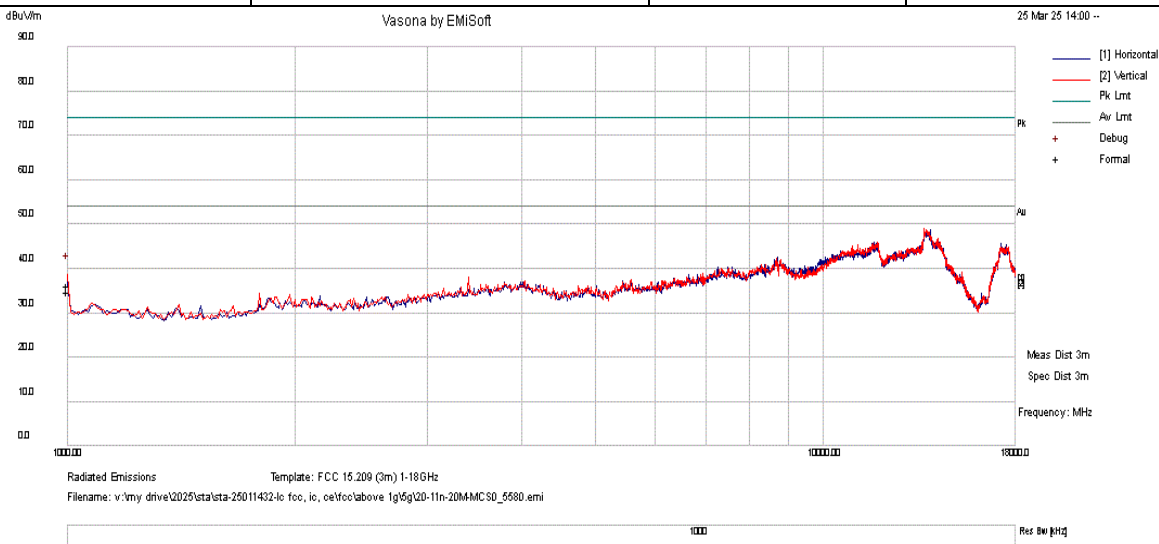


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	2999.13	25.15	7.52	2.50	35.17	Peak Max	V	119	26	74.00	-38.83	Pass
2	2999.13	12.93	7.52	2.50	22.95	Average Max	V	119	26	54.00	-31.05	Pass

Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	03/25/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 116	Test Result:	Pass

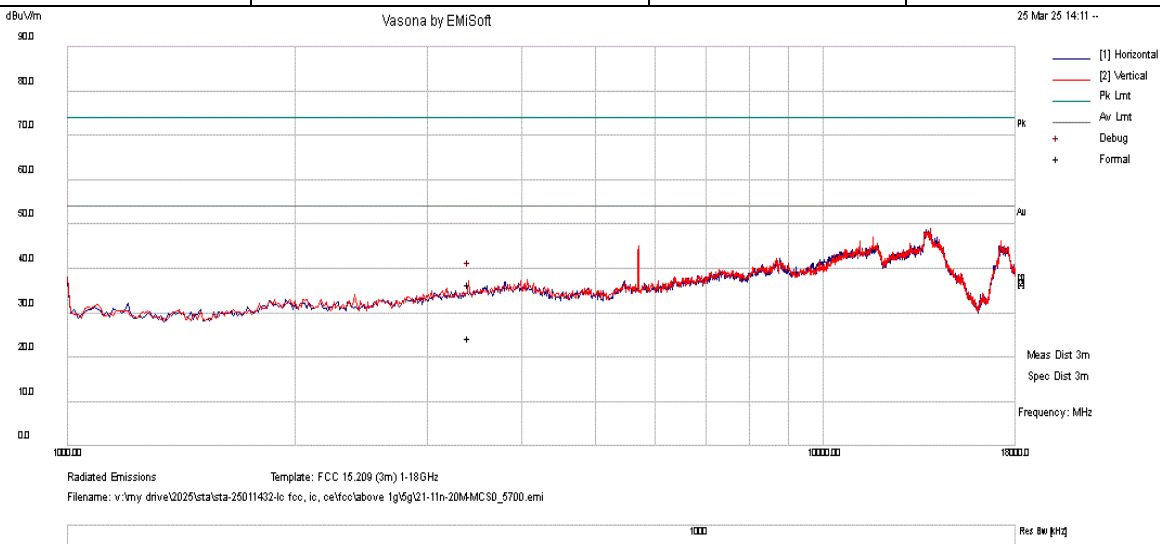


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	1000.0	34.46	4.01	-2.27	36.20	Peak Max	V	196	1	74.00	-37.80	Pass
2	1000.0	33.07	4.01	-2.27	34.81	Average Max	V	196	1	54.00	-19.19	Pass

Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	03/25/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 140	Test Result:	Pass

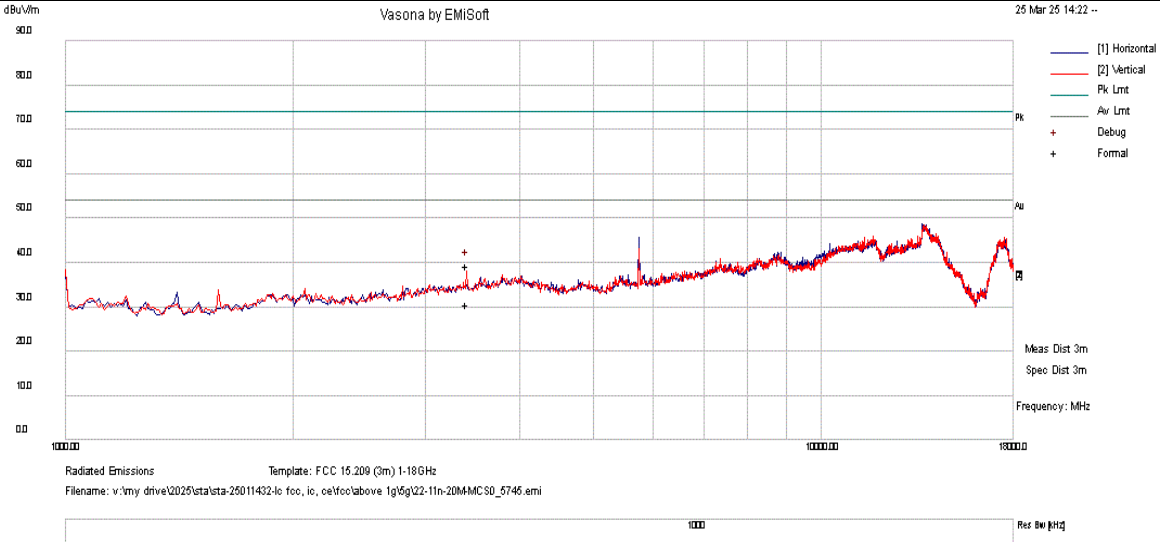


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	3402.21	24.88	8.13	3.58	36.59	Peak Max	V	180	0	74.00	-37.41	Pass
2	3402.21	12.70	8.13	3.58	24.41	Average Max	V	180	0	54.00	-29.59	Pass

Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	03/25/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 149	Test Result:	Pass



No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	3399.91	27.55	8.12	3.57	39.24	Peak Max	V	181	6	74.00	-34.76	Pass
2	3399.91	19.02	8.12	3.57	30.71	Average Max	V	181	6	54.00	-23.29	Pass

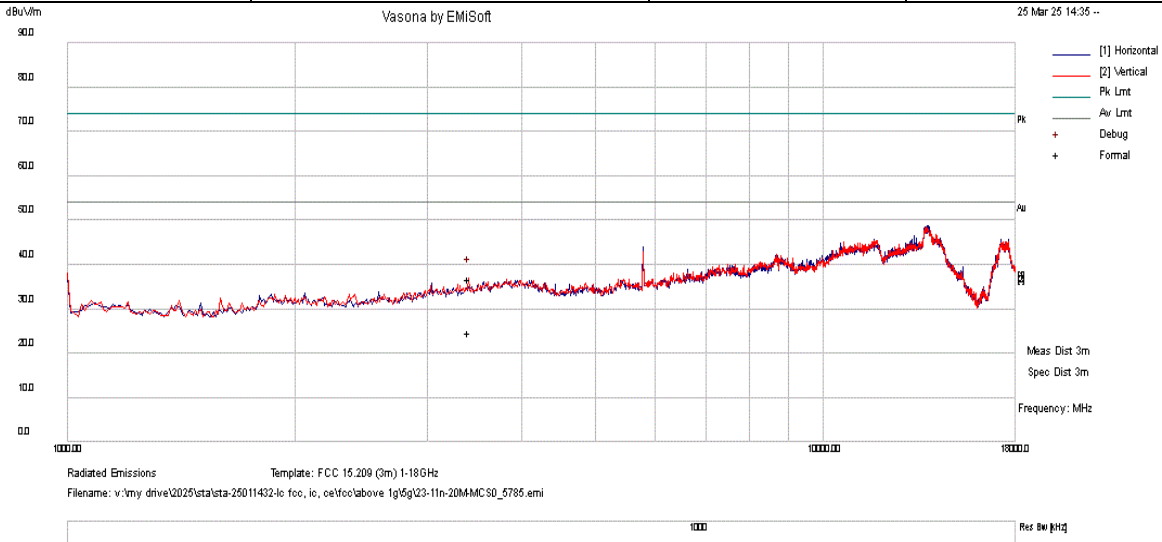
Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Report #

STA-25011432-LC-FCC-IC-RF-NII

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	03/25/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 157	Test Result:	Pass

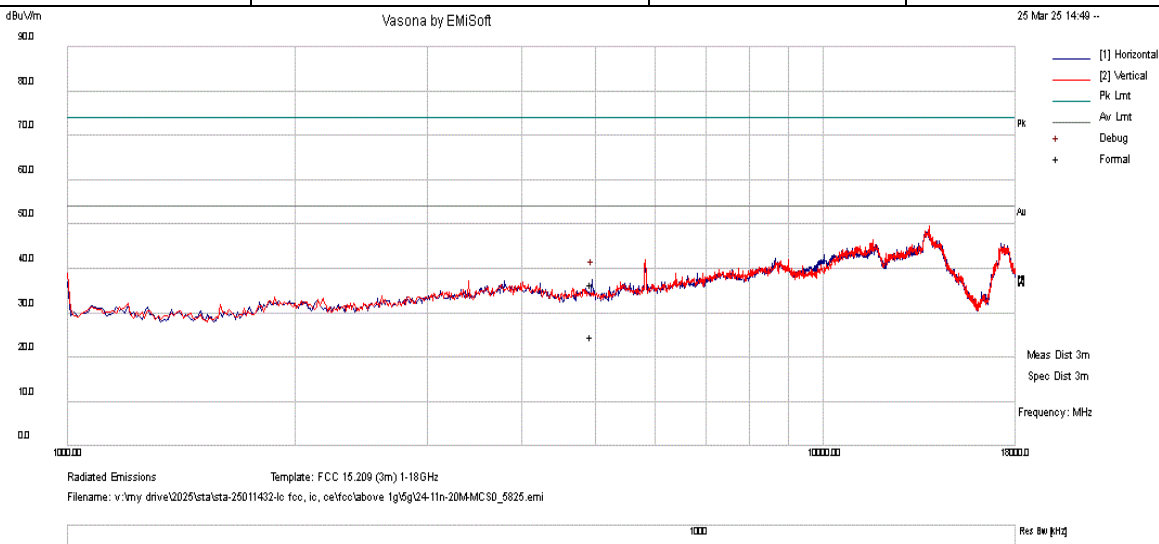


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	3399.86	24.97	8.12	3.57	36.66	Peak Max	H	170	0	74.00	-37.34	Pass
2	3399.86	12.99	8.12	3.57	24.68	Average Max	H	170	0	54.00	-29.32	Pass

Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	03/25/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 165	Test Result:	Pass

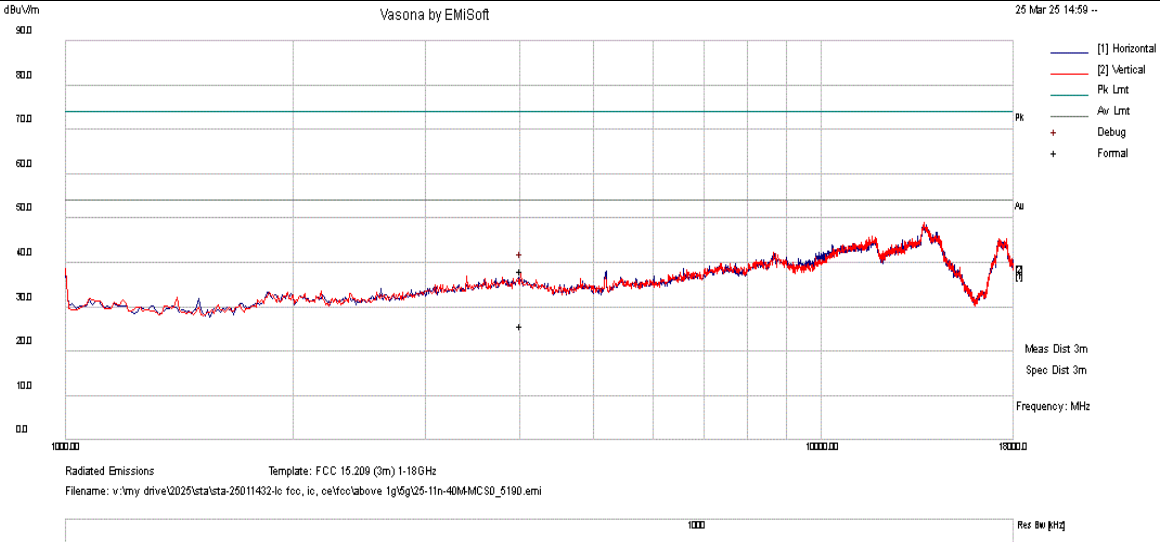


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	4949.39	22.06	9.43	5.01	36.50	Peak Max	H	150	0	74.00	-37.50	Pass
2	4949.39	10.14	9.43	5.01	24.58	Average Max	H	150	0	54.00	-29.42	Pass

Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n40 Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	03/25/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 38	Test Result:	Pass

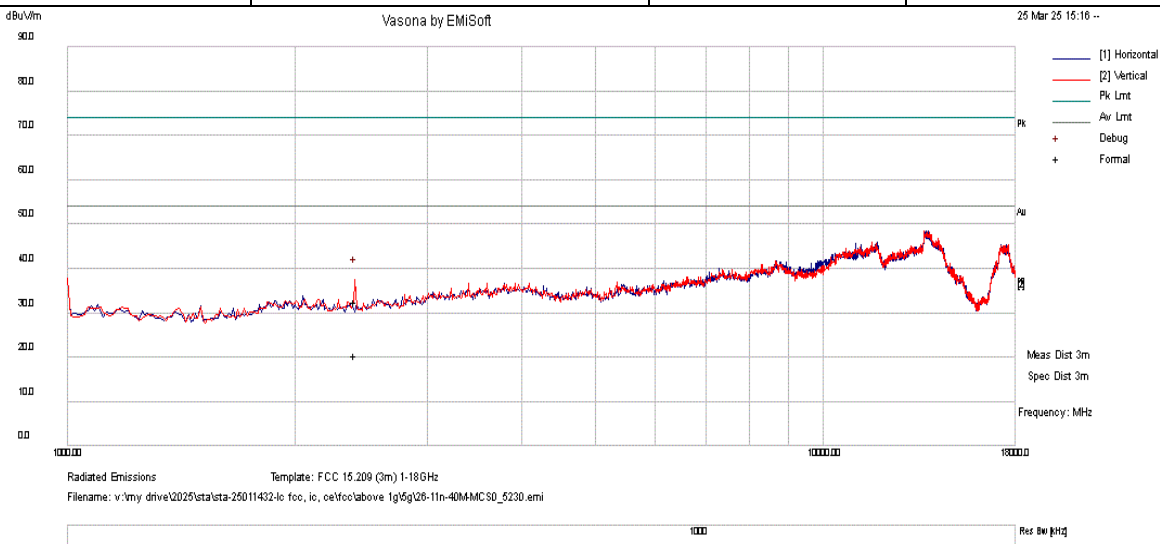


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	4008.08	23.53	9.95	4.70	38.18	Peak Max	V	138	147	74.00	-35.82	Pass
2	4008.08	11.14	9.95	4.70	25.79	Average Max	V	138	147	54.00	-28.21	Pass

Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n40 Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	03/25/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 46	Test Result:	Pass



No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	2403.38	25.80	6.72	-0.04	32.48	Peak Max	V	134	21	74.00	-41.52	Pass
2	2403.38	13.82	6.72	-0.04	20.50	Average Max	V	134	21	54.00	-33.50	Pass

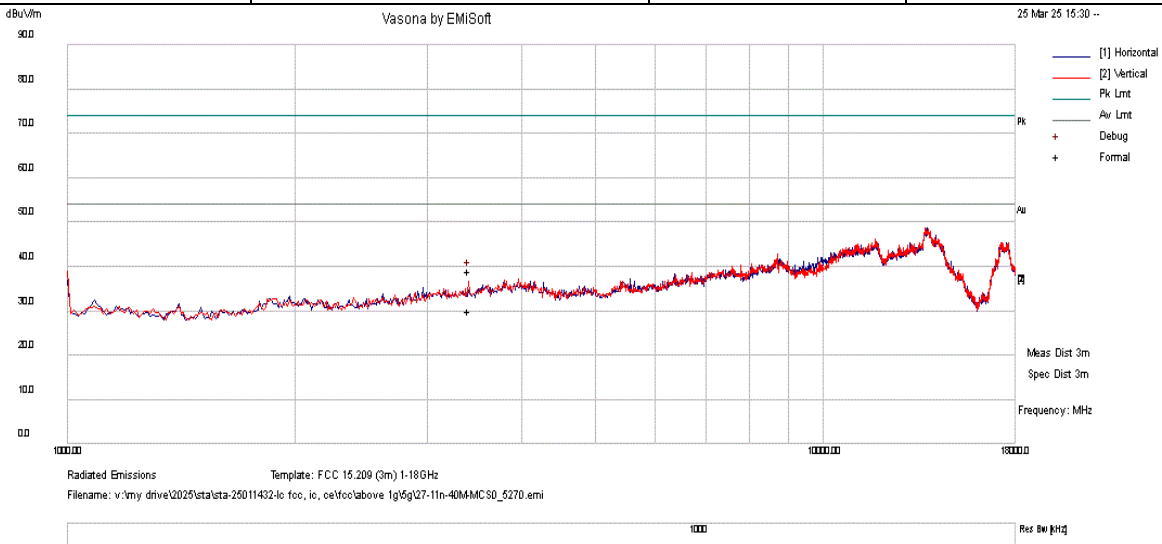
Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Report #

STA-25011432-LC-FCC-IC-RF-NII

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n40 Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	03/25/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 54	Test Result:	Pass



No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	3400.01	27.37	8.12	3.57	39.06	Peak Max	V	141	32	74.00	-34.94	Pass
2	3400.01	18.23	8.12	3.57	29.92	Average Max	V	141	32	54.00	-24.08	Pass

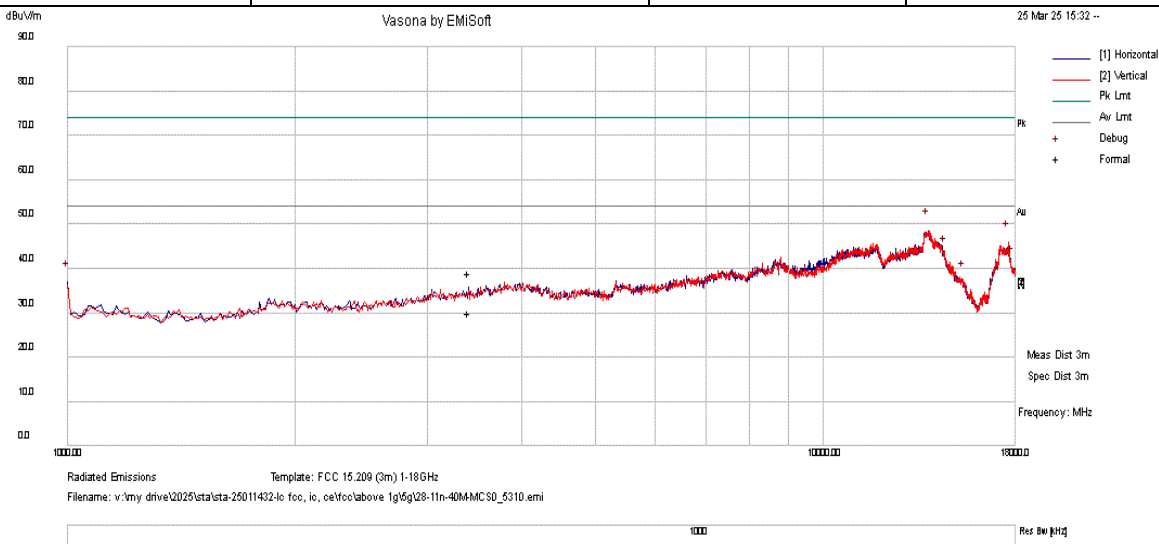
Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Report #

STA-25011432-LC-FCC-IC-RF-NII

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n40 Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	03/25/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 62	Test Result:	Pass

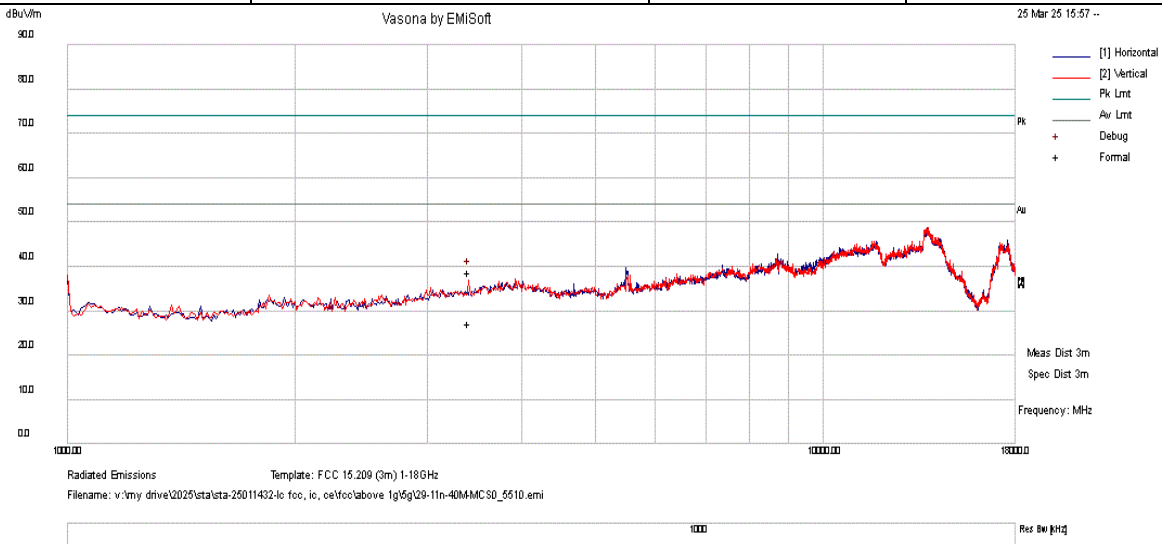


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	3400.01	27.37	8.12	3.57	39.06	Peak Max	V	141	32	74.00	-34.94	Pass
2	3400.01	18.23	8.12	3.57	29.92	Average Max	V	141	32	54.00	-24.08	Pass

Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n40 Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	03/25/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 102	Test Result:	Pass

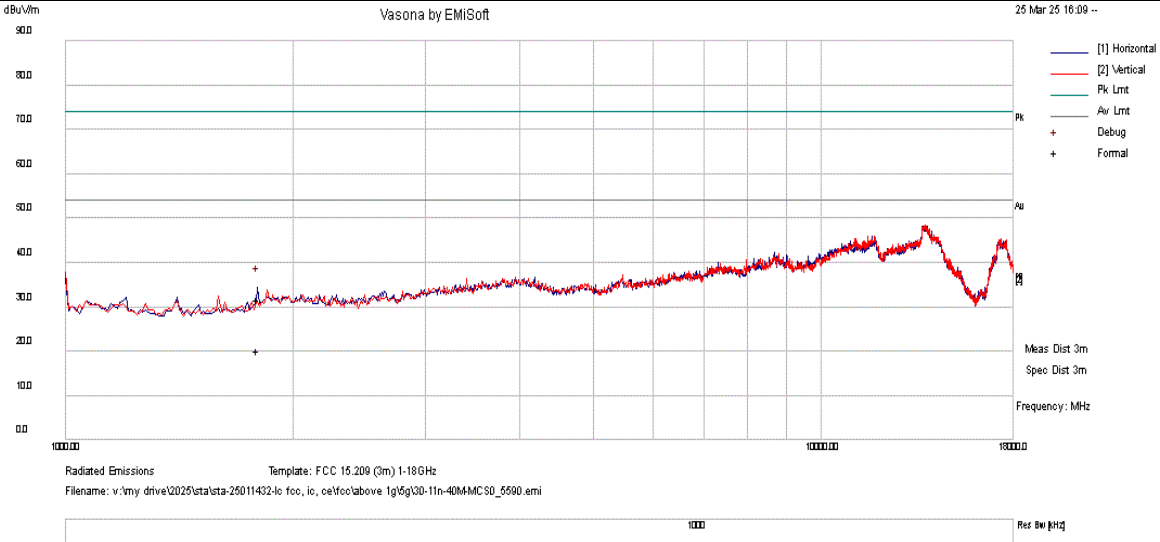


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	3400.07	27.15	8.12	3.57	38.84	Peak Max	V	183	82	74.00	-35.16	Pass
2	3400.07	15.51	8.12	3.57	27.20	Average Max	V	183	82	54.00	-26.80	Pass

Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n40 Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	03/25/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 118	Test Result:	Pass



No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	1796.62	26.28	6.06	-0.47	31.87	Peak Max	H	132	0	74.00	-42.13	Pass
2	1796.62	14.64	6.06	-0.47	20.23	Average Max	H	132	0	54.00	-33.77	Pass

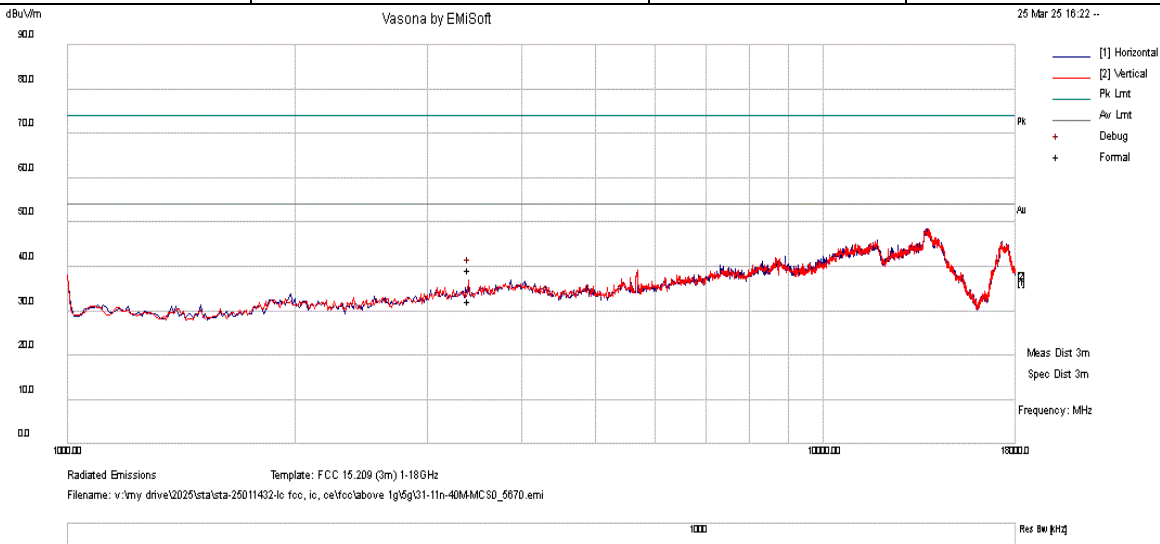
Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Report #

STA-25011432-LC-FCC-IC-RF-NII

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n40 Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	03/25/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 134	Test Result:	Pass



No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	3399.78	27.58	8.12	3.57	39.27	Peak Max	V	160	22	74.00	-34.73	Pass
2	3399.78	20.68	8.12	3.57	32.37	Average Max	V	160	22	54.00	-21.63	Pass

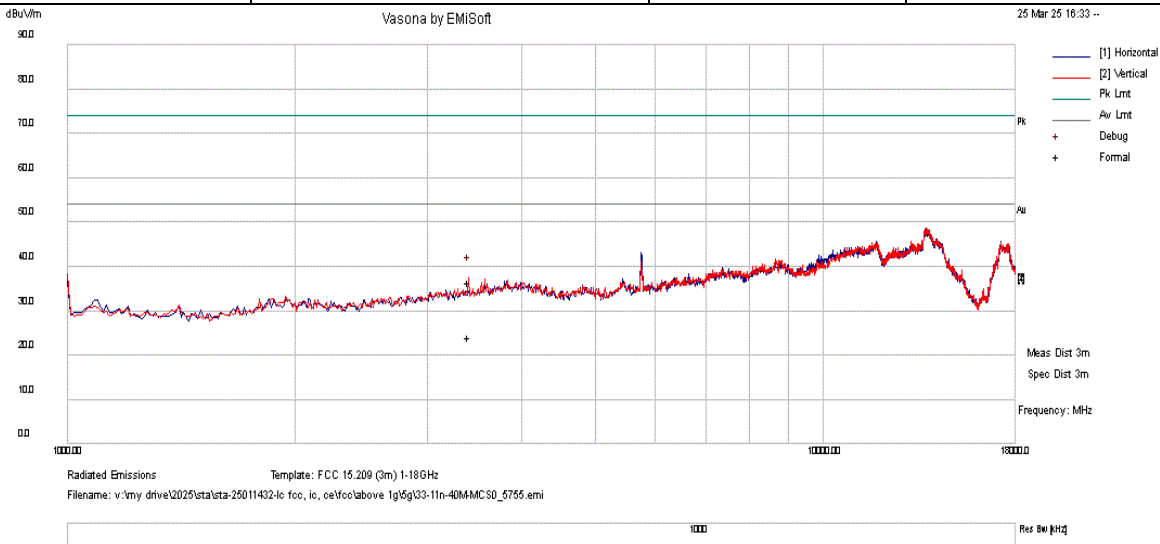
Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Report #

STA-25011432-LC-FCC-IC-RF-NII

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n40 Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	03/25/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 151	Test Result:	Pass



No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	3401.88	24.70	8.13	3.58	36.41	Peak Max	H	185	0	74.00	-37.59	Pass
2	3401.88	12.56	8.13	3.58	24.27	Average Max	H	185	0	54.00	-29.73	Pass

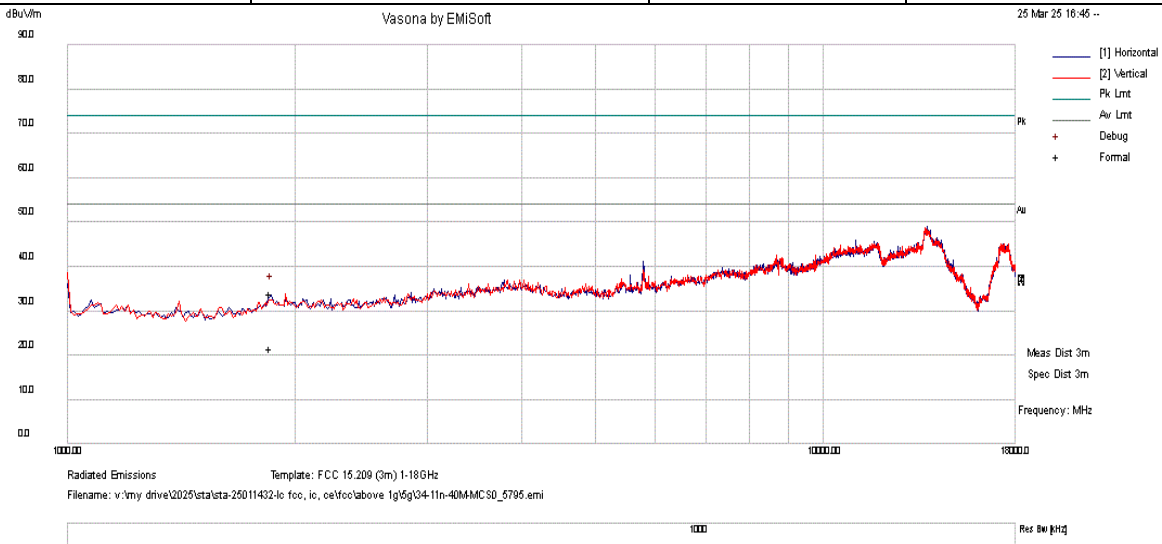
Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Report #

STA-25011432-LC-FCC-IC-RF-NII

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n40 Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	03/25/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 159	Test Result:	Pass

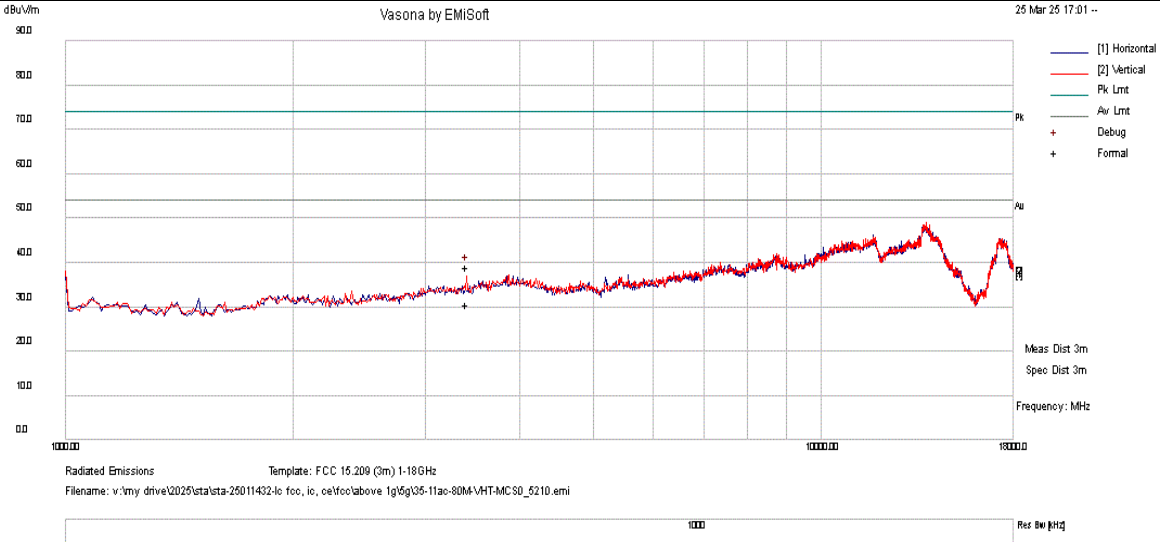


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	1860.35	27.60	6.16	0.36	34.12	Peak Max	H	196	0	74.00	-39.88	Pass
2	1860.35	15.15	6.16	0.36	21.67	Average Max	H	196	0	54.00	-32.33	Pass

Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11ac80 Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	03/25/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 42	Test Result:	Pass



No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	3399.78	27.40	8.12	3.57	39.09	Peak Max	V	140	22	74.00	-34.91	Pass
2	3399.78	18.93	8.12	3.57	30.62	Average Max	V	140	22	54.00	-23.38	Pass

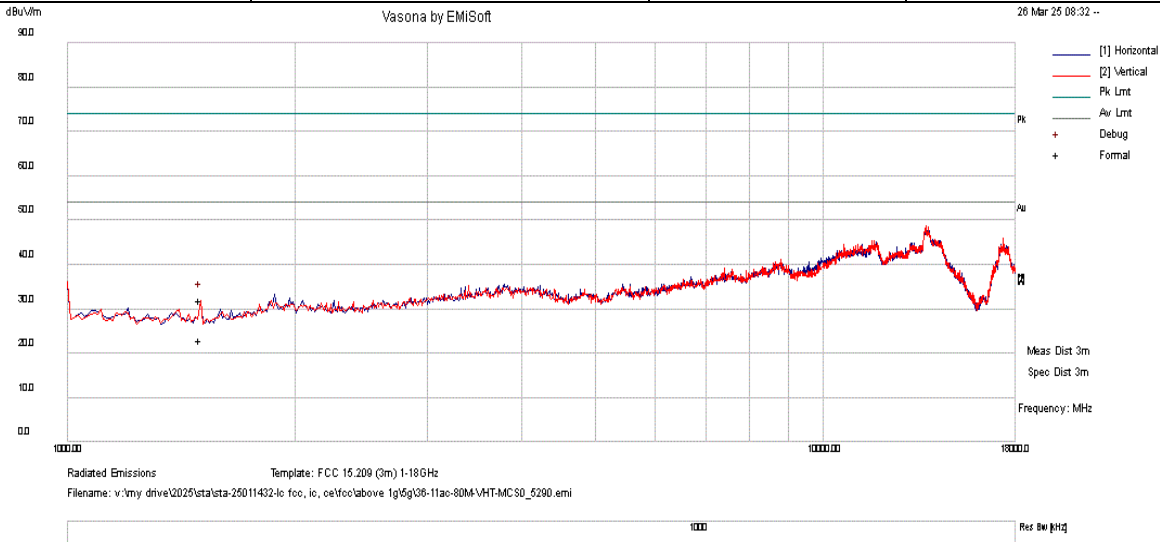
Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Report #

STA-25011432-LC-FCC-IC-RF-NII

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11ac80 Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	03/26/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 58	Test Result:	Pass



No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	1500.1	28.83	5.24	-2.13	31.94	Peak Max	V	124	180	74.00	-42.06	Pass
2	1500.1	20.01	5.24	-2.13	23.12	Average Max	V	124	180	54.00	-30.88	Pass

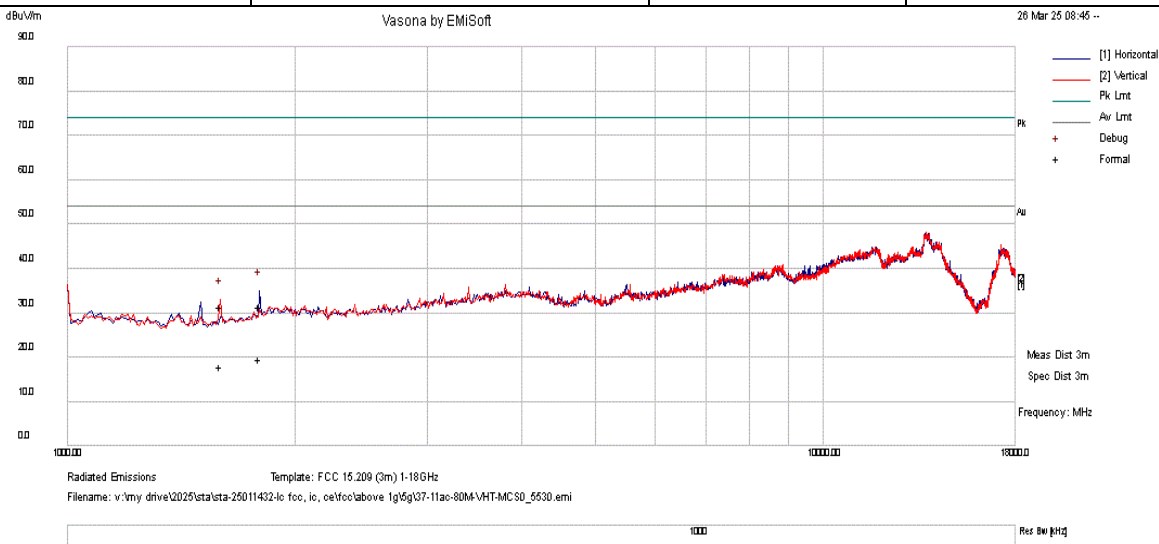
Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Report #

STA-25011432-LC-FCC-IC-RF-NII

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11ac80 Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	03/26/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 106	Test Result:	Pass

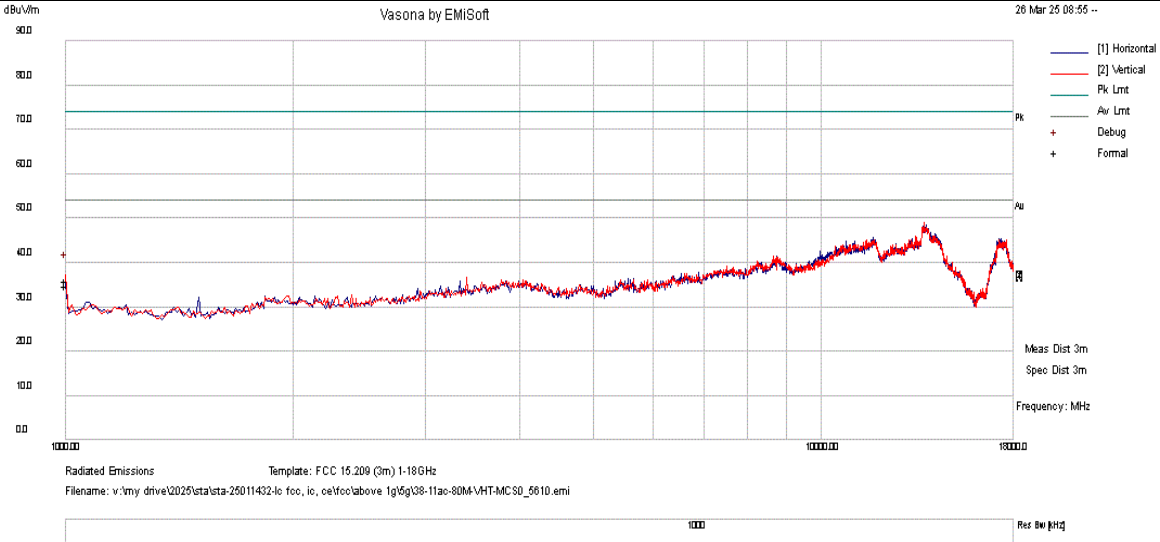


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	1798.64	25.96	6.06	-0.45	31.57	Peak Max	H	116	154	74.00	-42.43	Pass
2	1593.43	27.70	5.53	-1.85	31.38	Peak Max	V	146	147	74.00	-42.62	Pass
3	1798.64	14.17	6.06	-0.45	19.78	Average Max	H	116	154	54.00	-34.22	Pass
4	1593.43	14.28	5.53	-1.85	17.96	Average Max	V	146	147	54.00	-36.04	Pass

Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11ac80 Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	03/26/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 122	Test Result:	Pass

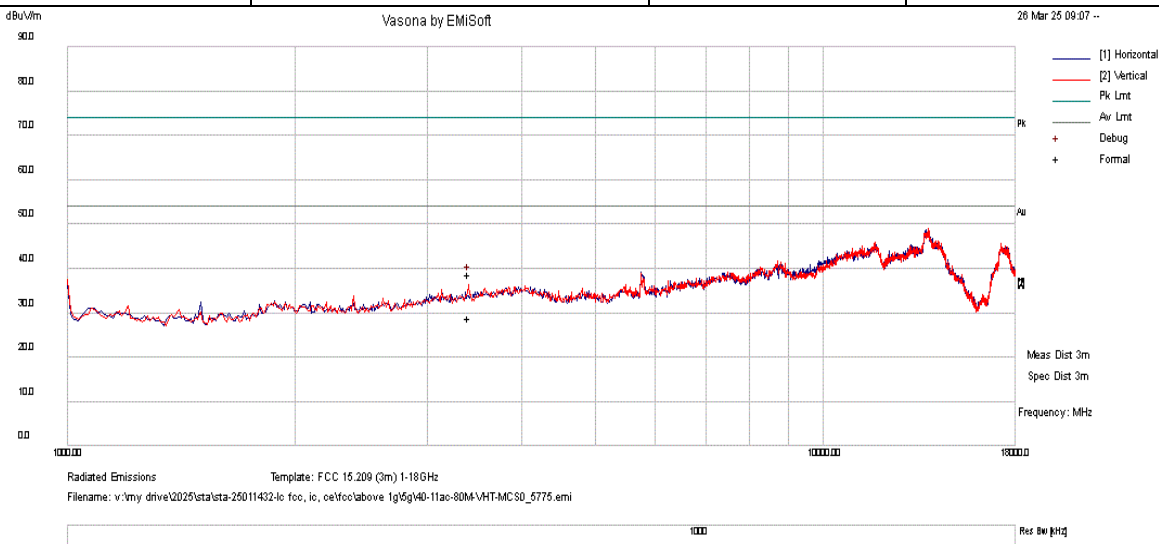


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	1000.0	34.10	4.01	-2.27	35.84	Peak Max	V	146	30	74.00	-38.16	Pass
2	1000.0	33.16	4.01	-2.27	34.90	Average Max	V	146	30	54.00	-19.10	Pass

Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11ac80 Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	03/26/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 155	Test Result:	Pass

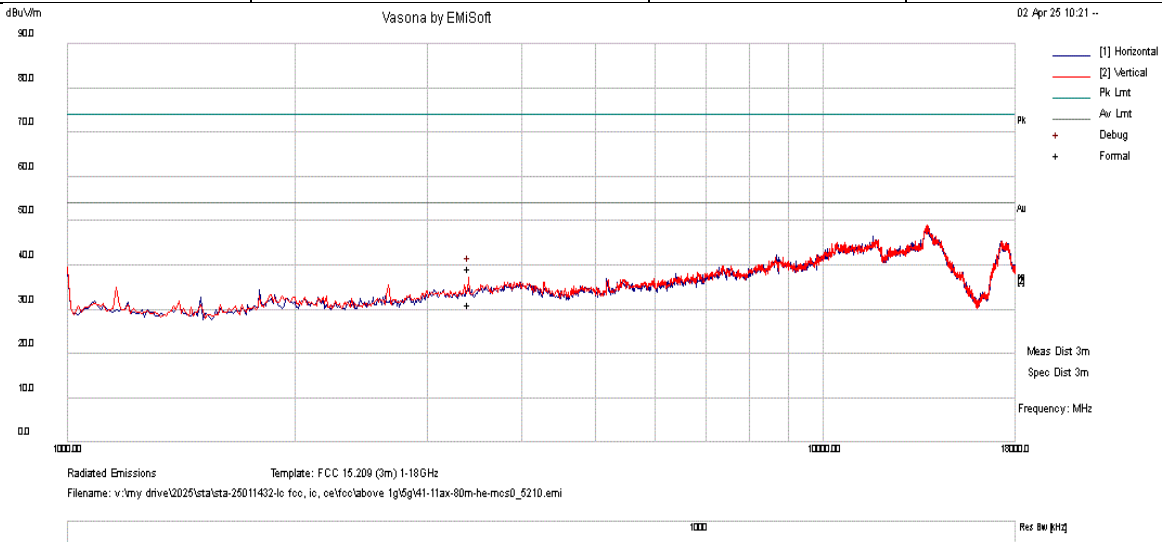


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	3400.33	27.14	8.12	3.57	38.83	Peak Max	V	141	0	74.00	-35.17	Pass
2	3400.33	17.33	8.12	3.57	29.02	Average Max	V	141	0	54.00	-24.98	Pass

Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11ax80 Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	04/02/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 42	Test Result:	Pass

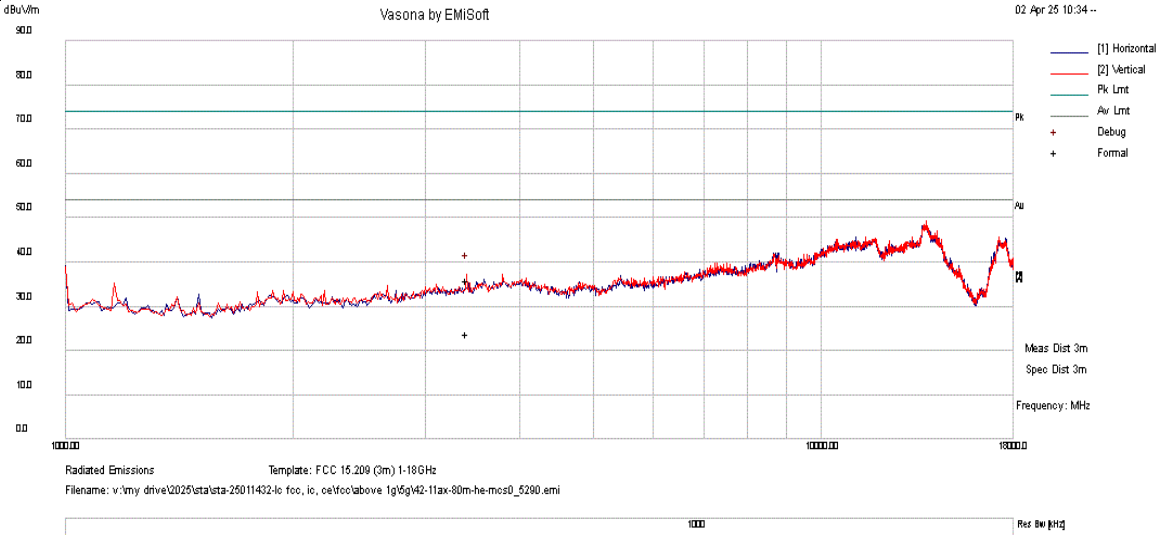


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	3400.0	27.64	8.12	3.57	39.33	Peak Max	V	175	40	74.00	-34.67	Pass
2	3400.0	19.48	8.12	3.57	31.17	Average Max	V	175	40	54.00	-22.83	Pass

Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11ax80 Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	04/02/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 58	Test Result:	Pass

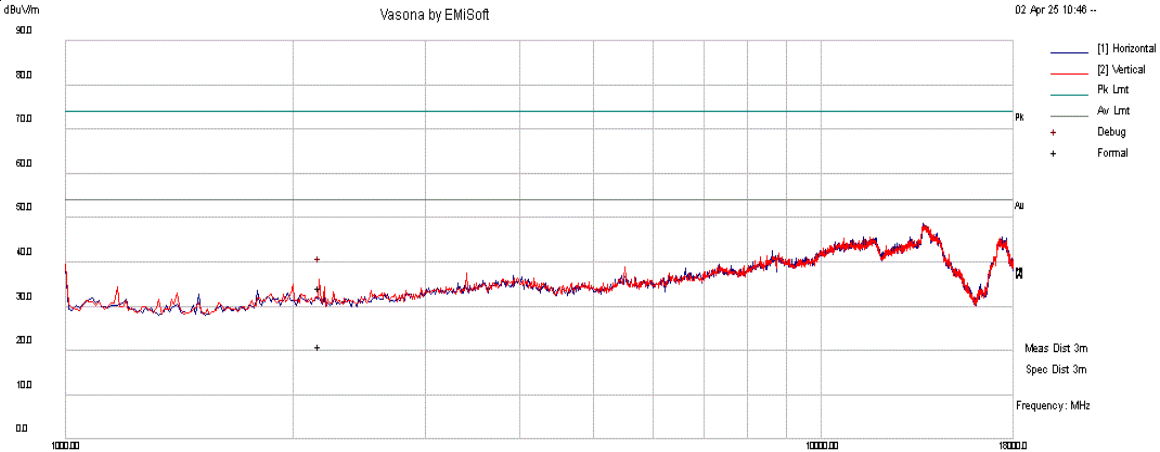


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	3403.29	24.33	8.13	3.58	36.04	Peak Max	H	131	12	74.00	-37.96	Pass
2	3403.29	12.23	8.13	3.58	23.94	Average Max	H	131	12	54.00	-30.06	Pass

Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11ax80 Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	04/02/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 106	Test Result:	Pass



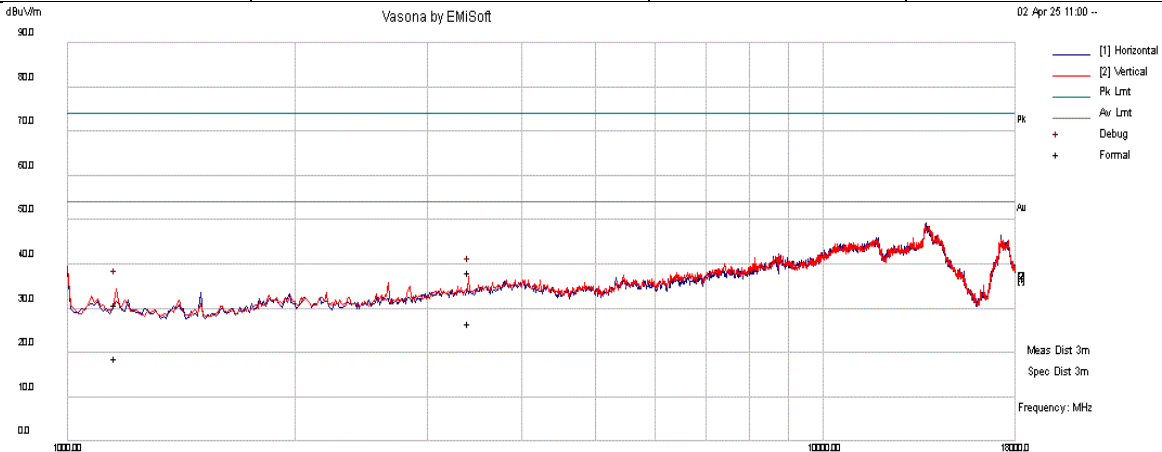
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Filename: v:\my drive\2025\sta-25011432-lc fcc, ic, ce\foolabovr 1g\5gl43-11ax-80m-he-mcs0_5530.eml

No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	2169.85	27.90	6.46	-0.03	34.33	Peak Max	V	193	94	74.00	-39.67	Pass
2	2169.85	14.60	6.46	-0.03	21.03	Average Max	V	193	94	54.00	-32.97	Pass

Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11ax80 Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	04/02/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 122	Test Result:	Pass



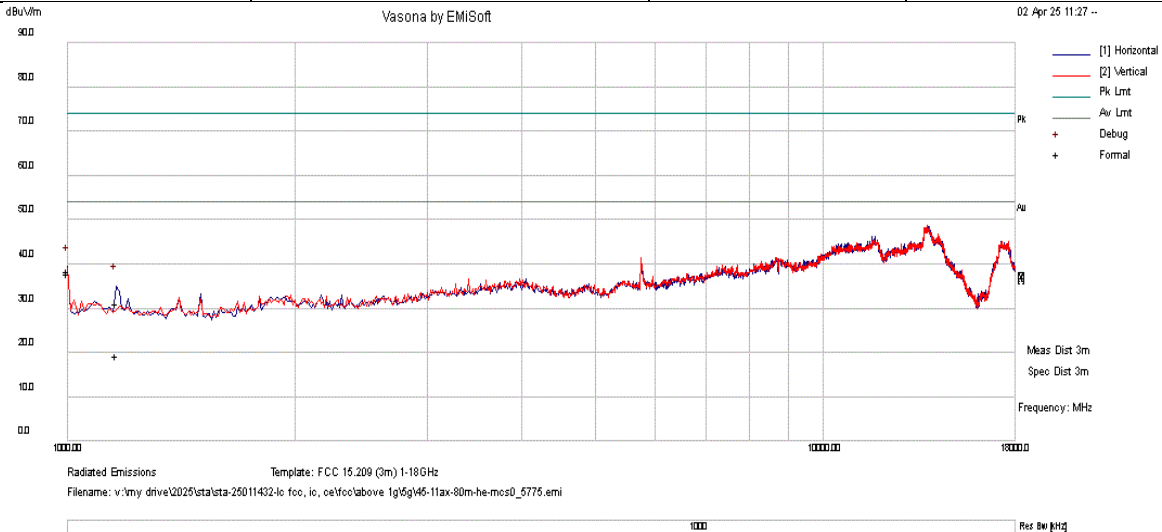
Radiated Emissions
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No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	3400.68	26.44	8.12	3.57	38.13	Peak Max	V	185	15	74.00	-35.87	Pass
2	1159.48	27.94	4.52	-1.65	30.81	Peak Max	V	104	0	74.00	-43.19	Pass
3	3400.68	14.95	8.12	3.57	26.64	Average Max	V	185	15	54.00	-27.36	Pass
4	1159.48	16.02	4.52	-1.65	18.89	Average Max	V	104	0	54.00	-35.11	Pass

Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11ax80 Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	04/02/2025
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 155	Test Result:	Pass



No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	1000.0	36.79	4.01	-2.27	38.53	Peak Max	H	169	123	74.00	-35.47	Pass
2	1161.01	28.40	4.52	-1.64	31.28	Peak Max	H	176	0	74.00	-42.72	Pass
3	1000.0	36.17	4.01	-2.27	37.91	Average Max	H	169	123	54.00	-16.09	Pass
4	1161.01	16.36	4.52	-1.64	19.24	Average Max	H	176	0	54.00	-34.76	Pass

Remarks:

1. Level (dBuV) = Raw (dBuV) + Cable loss(dB) + AF (dB).
2. AF(dB) = Antenna Factor (dB) - Preamplifier Gain (dB)
3. Margin = Level (dBuV/m) - Limit value(dBuV/m)
4. Notch filter is used during testing to block the RF fundamental not to overload preamplifier.

18GHz – 40GHz test result

Note: no substantial emission is found other than the noise floor.

Restricted Band measurement result

802.11a-5180MHz

No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB/m	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	5150	39.74	7.1	12.3	59.14	Peak	H	100	0	74	-14.86	Pass
2	5150	25.41	7.2	12.3	44.91	Average	V	100	0	54	-9.09	Pass

802.11n-5180Mhz

No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB/m	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	5150	37.64	7.6	12.3	57.54	Peak	H	100	0	74	-16.46	Pass
2	5150	22.69	7.7	12.3	42.69	Average	V	100	0	54	-11.31	Pass

802.11n-5190Mhz

No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB/m	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	5150	37.5	7.1	12.3	56.9	Peak	H	100	0	74	-17.1	Pass
2	5150	23	7.2	12.3	42.5	Average	V	100	0	54	-11.5	Pass

802.11ax80-5210Mhz

No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB/m	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	5150	35.72	7.1	12.3	55.12	Peak	H	100	0	74	-18.88	Pass
2	5150	21.73	7.8	12.3	41.83	Average	V	100	0	54	-12.17	Pass

802.11a-5320MHz

No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB/m	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	5350	39.31	7.1	12.3	58.71	Peak	H	100	0	74	-15.29	Pass
2	5350	24.36	7.2	12.3	43.86	Average	V	100	0	54	-10.14	Pass

802.11n-5320Mhz

No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB/m	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	5350	39.29	7.6	12.3	59.19	Peak	H	100	0	74	-14.81	Pass
2	5350	25.03	7.7	12.3	45.03	Average	V	100	0	54	-8.97	Pass

802.11n-5310Mhz

No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB/m	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	5350	36.61	7.1	12.3	56.01	Peak	H	100	0	74	-17.99	Pass
2	5350	25.41	7.2	12.3	44.91	Average	V	100	0	54	-9.09	Pass

802.11ax80-5290Mhz

No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB/m	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	5350	43.42	0	12.3	55.72	Peak	H	100	0	74	-18.28	Pass
2	5350	24.79	7.1	12.3	44.19	Average	V	100	0	54	-9.81	Pass

802.11a-5745MHz

No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB/m	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	5628.887	22.301	7.1	33.3	62.70	Peak	H	100	0	68.2	-5.50	Pass
2	5663.459	24.201	7.2	33.3	64.70	Peak	V	100	0	77.5	-12.80	Pass
3	5711.430	23.800	7.3	33.3	64.40	Peak	V	100	0	108.2	-43.80	Pass

802.11a-5825Mhz

No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB/m	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	5878.239	24.701	7.6	33.3	65.60	Peak	V	100	0	103.6	-38.00	Pass
2	5918.573	22.500	7.7	33.3	63.50	Peak	V	100	0	73.7	-10.20	Pass
3	5949.154	23.300	7.8	33.3	64.40	Peak	V	100	0	68.2	-3.80	Pass

802.11n-5745Mhz

No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB/m	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	5694.393	24.700	7.3	33.3	65.30	Peak	V	100	0	100.4	-35.10	Pass
2	5619.577	21.899	7.1	33.3	62.30	Peak	H	100	0	68.2	-5.90	Pass

802.11n-5825Mhz

No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB/m	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	5888.260	24.299	7.7	33.3	65.30	Peak	V	100	0	96.1	-30.80	Pass
2	5968.270	23.600	7.8	33.3	64.70	Peak	V	100	0	68.2	-3.50	Pass

802.11n-5755Mhz

No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB/m	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	5615.572	24.901	7.1	33.3	65.30	Peak	V	100	0	68.2	-2.90	Pass
2	5655.533	23.201	7.2	33.3	63.70	Peak	H	100	0	71.6	-7.90	Pass
3	5712.990	21.700	7.3	33.3	62.30	Peak	H	100	0	108.6	-46.30	Pass

802.11n-5795Mhz

No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB/m	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	5639.280	24.901	7.2	33.3	65.40	Peak	H	100	0	68.2	-2.80	Pass
2	5660.427	23.200	7.2	33.3	63.70	Peak	H	100	0	75.2	-11.50	Pass
3	5957.653	23.699	7.8	33.3	64.80	Peak	H	100	0	68.2	-3.40	Pass

802.11ax80-5775Mhz

No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB/m	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	5636.532	24.100	7.1	33.3	64.50	Peak	H	100	0	68.2	-3.70	Pass
2	5942.482	24.000	7.8	33.3	65.10	Peak	H	100	0	68.2	-3.10	Pass

8 EUT and Test Setup Photos

Refer to FCC exhibit

9 Test Instrument List

Equipment	Manufacturer	Model	Instrument Number	Cal. Date	Cal. Due
Semi-Anechoic Chamber	ETS-Lindgren	10M	VL001	05/19/2024	05/19/2026
Shielding Control Room	ETS-Lindgren	Series 81	VL006	N/A	N/A
Spectrum Analyzer	Keysight	N9020A	MY50110074	05/15/2024	05/15/2025
Spectrum Analyzer	Anritsu	MS2830A	6201145210	05/16/2024	05/16/2025
EMC Test Receiver	R&S	ESL6	100230	05/14/2024	05/14/2025
LISN (9KHz – 30MHz)	EMCO	3816/2	9705-1066	05/28/2024	05/28/2025
Impedance Stabilization Network	Teseq GmbH	ISN T8-CAT 6	41576	05/28/2024	05/28/2025
Bi-Log Antenna	ETS-Lindgren	3142E	217921	07/25/2024	07/19/2025
Horn Antenna (1-18GHz)	Electro-Metrics	EM-6961	6292	07/22/2024	07/21/2025
Horn Antenna (18-40GHz)	Com-Power	AH-840	101109	7/22/2024	7/22/2025
Preamplifier	RF Bay, Inc.	LPA-10-20	11180621	07/22/2024	07/21/2025
True RMS Multi-meter	UNI-T	UT181A	C173014829	05/15/2024	05/15/2025
Temp / Humidity / Pressure Meter	PCE Instruments	PCE-THB 40	R062028	05/17/2024	05/17/2025
RF Attenuator	Pasternack	PE7005-3	VL061	N/A	N/A
EM Center Control	ETS-Lindgren	7006-001	160136	N/A	N/A
Turn Table	ETS-Lindgren	2181-3.03	VL002	N/A	N/A
Boresight Antenna Tower	ETS-Lindgren	2171B	VL003	N/A	N/A
Loop Antenna (9k-30MHz)	Com-Power	AL-130	121012	05/17/2024	05/17/2025
RE test cable (below 6GHz)	Vista	RE-6GHz-01	RE-6GHz-01	05/17/2024	05/17/2025
RE test cable (1-18GHz)	PhaseTrack	II-240	RE-18GHz-01	05/17/2024	05/17/2025
RE test cable (>18GHz)	Sucoflex	104	344903/4	05/17/2024	05/17/2025
Pulse limiter	Com-Power	LIT-930A	531727	05/17/2024	05/17/2025
CE test cable #1	FIRST RF	FRF-C-1002-001	CE-6GHz-01	05/17/2024	05/17/2025
CE test cable#2	FIRST RF	FRF-C-1002-001	CE-6GHz-02	05/17/2024	05/17/2025

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