

RF Test Report

Test Report Number	STA-24041661-LC-FCC-IC-RF-NII
FCC ID ISED ID	N6C-USBAC 4908A-USBAC
Applicant Applicant Address Product Name Model Number Date of Receipt Date of Test Report Issue Date Test Standards Test Result	Silex technology, Inc. 2-3-1 Hikaridai, Seika-cho, Kyoto 619-0237, Japan Embedded Wireless Module SX-USBAC 04/26/2024 04/30/2024- 05/08/2024 05/20/2024 47 CFR Part 15.247 RSS-247 Issue 3, Aug 2023 PASS
	<p>Issued by:</p> <p>Vista Compliance Laboratories 1261 Puerta Del Sol, San Clemente, CA 92673 USA www.vista-compliance.com</p>
<p style="font-size: 2em; font-family: cursive;">Lining</p> <hr style="width: 80%; margin: auto;"/> <p>Lining Li (Test Engineer)</p>	<p style="font-size: 2em; font-family: cursive;">David Zhang</p> <hr style="width: 80%; margin: auto;"/> <p>David Zhang (Technical Manager)</p>
<p><small>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.</small></p>	

REVISION HISTORY

Report Number	Version	Description	Issued Date
STA-24041661-LC-FCC-IC-RF-NII	Original	Initial report	05/20/2024

TABLE OF CONTENTS

1 TEST SUMMARY4

2 GENERAL INFORMATION.....5

 2.1 Applicant5

 2.2 Product information.....5

 2.3 Test standard and method.....5

3 TEST SITE INFORMATION.....6

4 MODIFICATION OF EUT / DEVIATIONS FROM STANDARDS.....6

5 TEST CONFIGURATION AND OPERATION6

 5.1 EUT Test Configuration6

 5.2 EUT Power setting7

 5.3 Supporting Equipment.....7

6 UNCERTAINTY OF MEASUREMENT7

7 TEST SUMMARY AND RESULTS8

 7.1 Antenna Requirements.....8

 7.2 Radiated Emissions & Unwanted Emissions into Restricted Frequency Bands.....9

9 TEST INSTRUMENT LIST52

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)	N/A
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-USBAC and ISED ID: 4908A-USBAC. 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-USBAC
Family Models	N/A
Serial Number	N/A
Frequency Band	Bluetooth_Classic: 2402-2480MHz BLE: 2402-2480MHz WLAN 2.4G: 2412-2462MHz WLAN 5G: U-NII-1: 5150-5250MHz, U-NII-2A: 5250-5350MHz U-NII-2C: 5470-5725MHz, U-NII-3: 5725-5850MHz
Type of modulation	BT BDR/EDR: GFSK, $\pi/4$ DQPSK, 8DPSK BLE: GFSK 802.11b: DSSS (CCK, DQPSK, DBPSK) 802.11g: OFDM-CCK (BPSK, QPSK, 16QAM, 64QAM) 802.11a/n/ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM)
Equipment Class	NII
Antenna Information	Hercules Wi-Fi 6 Permanent Mount Antenna (Part No.: WS.03.B.205151.vj) (omni-directional with cable) Peak Gain: 3.43 dBi for 2 GHz, 5.02 dBi for 5 GHz
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	N/A

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	24.8°C	42.7%	996 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.MX6Q EVK Kit 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
QRCT Application	Set the module into different mode, to change channel, modulation, power setting, data rate, etc.

5.2 EUT Power setting

802.11a/n/ac			802.11n40/ac40		
Channel	Frequency (MHz)	Power Setting	Channel	Frequency (MHz)	Power Setting
36	5180	10.5	38	5190	9.5
44	5220	11.5	46	5230	12
48	5240	11.5	54	5270	12
52	5260	11.5	62	5310	10.5
60	5300	11.5	102	5510	7
64	5320	10	110	5590	10.5
100	5500	9.5	134	5670	10.5
116	5580	9.5	151	5755	10
140	5700	10	159	5795	10
149	5745	10.5			
157	5785	10.5			
165	5825	10.5			
802.11ac80					
Channel	Frequency (MHz)	Power Setting			
42	5210	9.5			
58	5290	9.5			
106	5530	10			
122	5610	11.5			
155	5775	11.5			

5.3 Supporting Equipment

Description	Manufacturer	Model #	Serial #	Remark
Laptop	Dell	Latitude E6510	6V9S2M1	Send command
i.MX6Q EVK Kit	N/A	N/A	N/A	Test Fixture
AC Adapter	SCEPTRE	ATS030-A050	PS2D-5050APL05	Power to i.MX6Q EVK Kit
Ethernet cable	N/A	N/A	N/A	Communication with Test PC
Micro USB Cable	N/A	N/A	N/A	

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 Hercules Wi-Fi 6 Permanent Mount Antenna, has reversed-SMA connector, which connects to SX-USBAC through a u.FL to RSMA pitable cable.

Conclusion:

- EUT and its antenna meet FCC requirements.

7.2 Radiated Emissions & Unwanted Emissions into Restricted Frequency Bands

7.2.1 Requirement

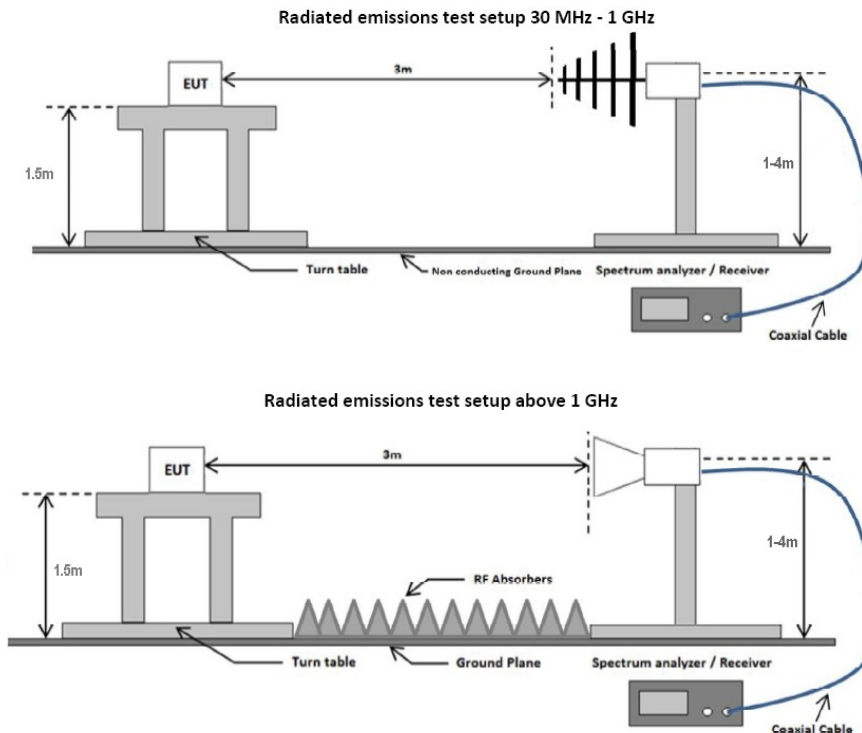
§ 15.407 (b)

- 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

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



7.2.3 Test Procedure

According to subclause 12.7, radiated spurious emission measurements, in ANSI C63.10-2013:

- 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 300Hz for frequencies below 150kHz.
- 4) The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 10kHz for frequency between 150kHz-30MHz.
- 5) The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz 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.

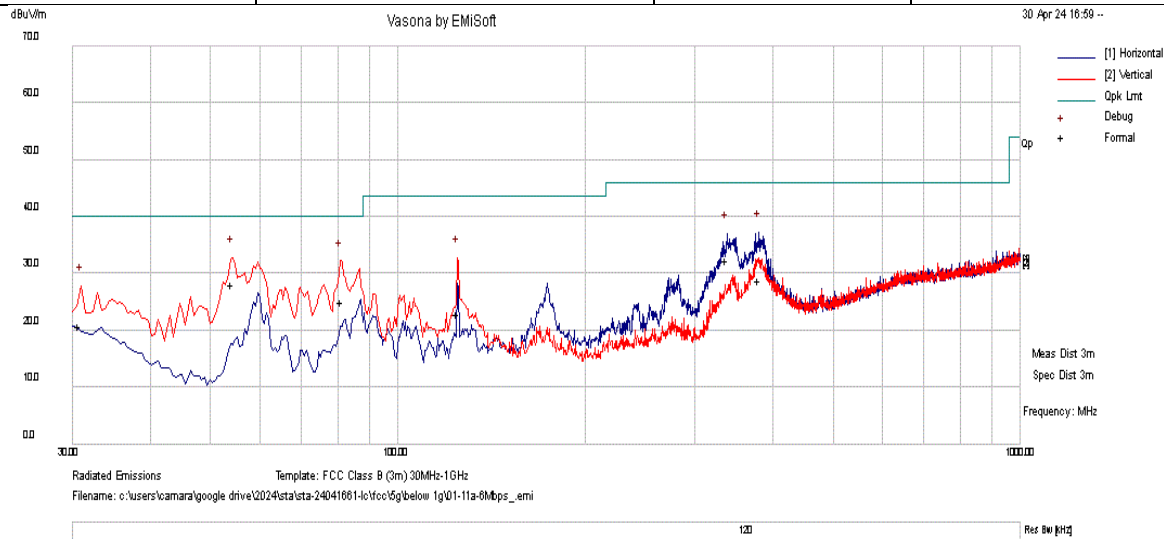
7.2.4 Test Result

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:	802.11a Mode
Frequency Range:	30 MHz - 1 GHz	Test Date:	04/30/2024
Antenna Type/Polarity:	Bi-Log/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 60	Test Result:	Pass

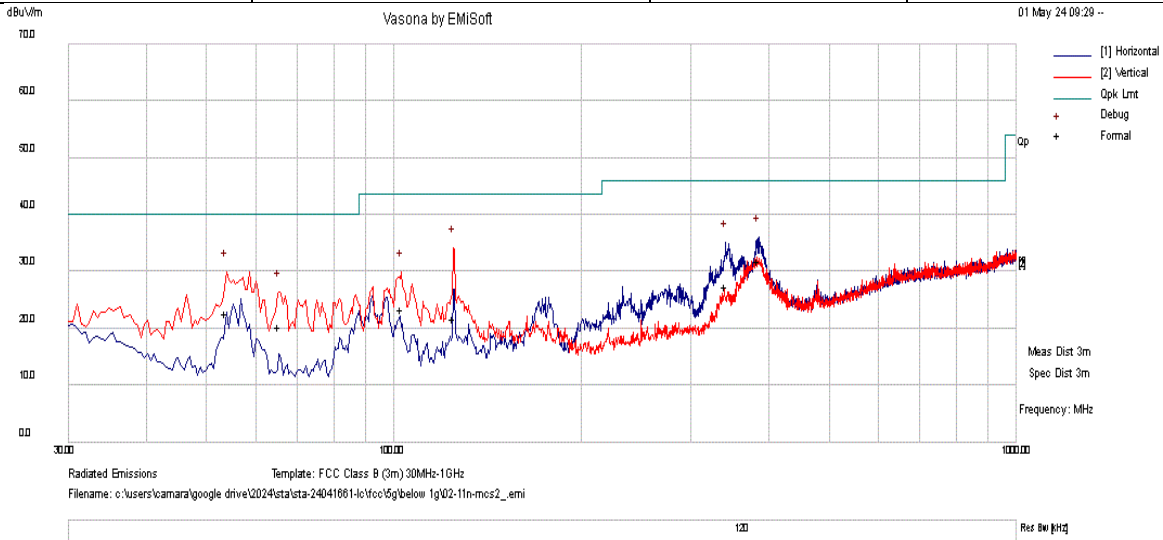


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	54.11	47.27	2.88	-21.90	28.25	Quasi Max	V	153	0	40.00	-11.75	Pass
2	81.10	43.08	3.33	-21.22	25.19	Quasi Max	V	144	41	40.00	-14.81	Pass
3	379.67	32.95	6.24	-10.41	28.78	Quasi Max	H	288	193	46.00	-17.22	Pass
4	337.59	39.07	5.96	-12.66	32.37	Quasi Max	H	100	0	46.00	-13.63	Pass
5	124.81	38.12	3.94	-19.18	22.88	Quasi Max	V	103	215	43.50	-20.62	Pass
6	30.76	31.69	2.25	-13.00	20.94	Quasi Max	V	130	0	40.00	-19.06	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)

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n Mode
Frequency Range:	30 MHz - 1 GHz	Test Date:	05/01/2024
Antenna Type/Polarity:	Bi-Log/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 100	Test Result:	Pass



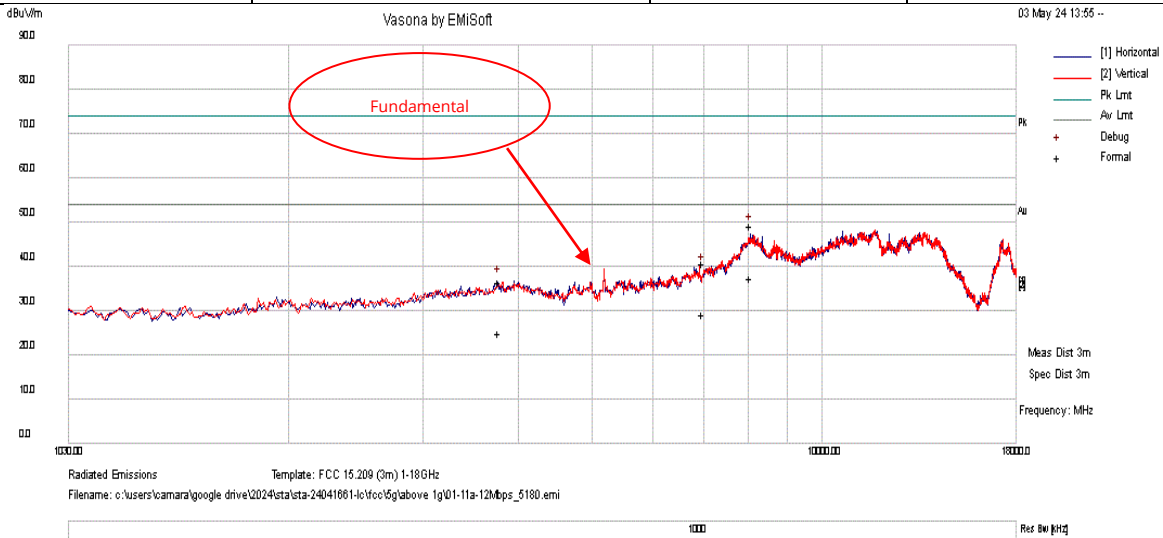
No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	124.50	37.12	3.93	-19.19	21.86	Quasi Max	V	126	300	43.50	-21.64	Pass
2	385.71	35.81	6.28	-10.09	32.00	Quasi Max	H	122	142	46.00	-14.00	Pass
3	53.79	41.75	2.87	-21.91	22.71	Quasi Max	V	143	96	40.00	-17.29	Pass
4	341.50	33.80	5.99	-12.46	27.33	Quasi Max	H	250	158	46.00	-18.67	Pass
5	102.72	39.84	3.61	-19.91	23.54	Quasi Max	V	126	210	43.50	-19.96	Pass
6	65.49	38.61	3.09	-21.31	20.39	Quasi Max	V	103	338	40.00	-19.61	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)

RADIATED SPURIOUS EMISSION ABOVE 1GHZ

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11a Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	05/03/2024
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 36	Test Result:	Pass

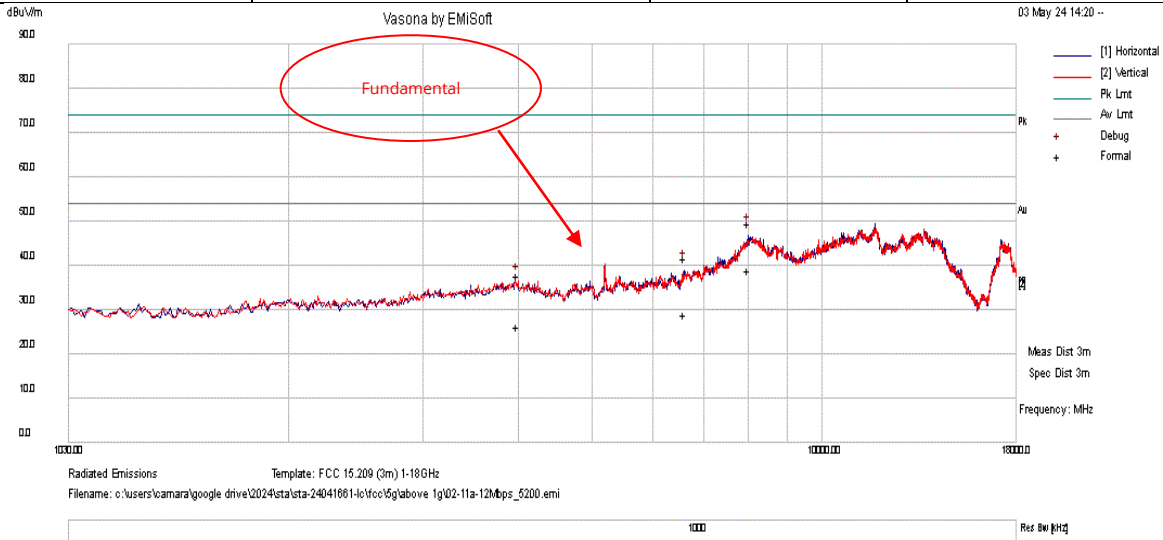


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	8061.50	19.21	14.24	15.80	49.25	Peak Max	H	296	60	74.00	-24.75	Pass
2	6983.40	19.35	12.56	8.93	40.84	Peak Max	V	309	0	74.00	-33.16	Pass
3	3784.21	22.23	8.97	5.23	36.43	Peak Max	H	327	129	74.00	-37.57	Pass
4	8061.50	7.21	14.24	15.80	37.25	Average Max	H	296	60	54.00	-16.75	Pass
5	6983.40	7.59	12.56	8.93	29.08	Average Max	V	309	0	54.00	-24.92	Pass
6	3784.21	10.67	8.97	5.23	24.87	Average Max	H	327	129	54.00	-29.13	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)

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11a Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	05/03/2024
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 40	Test Result:	Pass

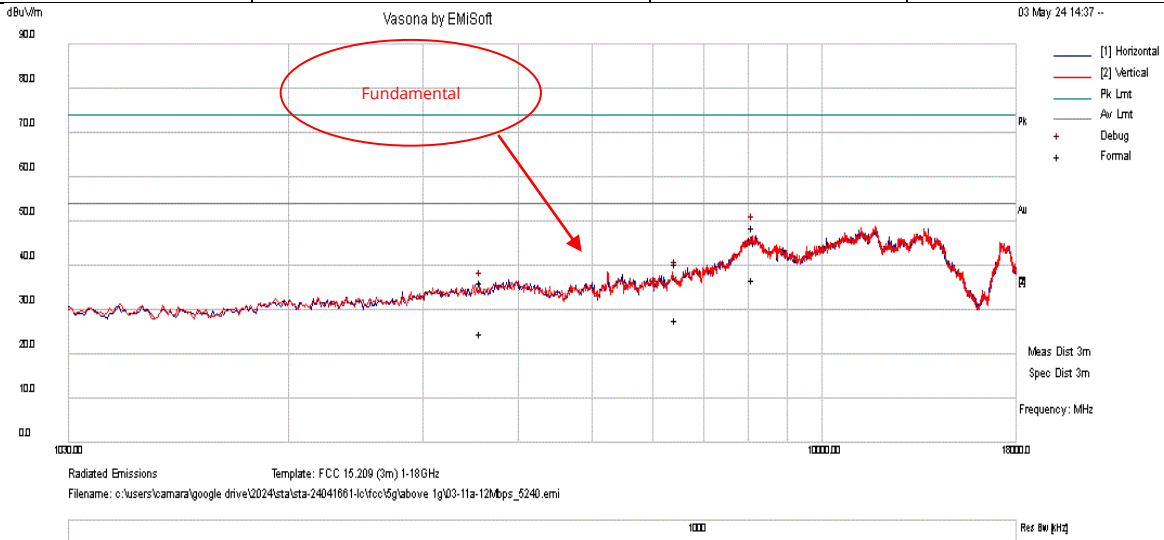


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	8010.11	19.44	14.27	15.85	49.56	Peak Max	H	351	121	74.00	-24.44	Pass
2	6622.15	21.61	12.14	7.78	41.53	Peak Max	H	100	104	74.00	-32.47	Pass
3	3992.52	22.65	9.93	5.21	37.79	Peak Max	V	296	222	74.00	-36.21	Pass
4	8010.11	8.77	14.27	15.85	38.89	Average Max	H	351	121	54.00	-15.11	Pass
5	6622.15	8.84	12.14	7.78	28.76	Average Max	H	100	104	54.00	-25.24	Pass
6	3992.52	11.03	9.93	5.21	26.17	Average Max	V	296	222	54.00	-27.83	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)

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11a Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	05/03/2024
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 48	Test Result:	Pass

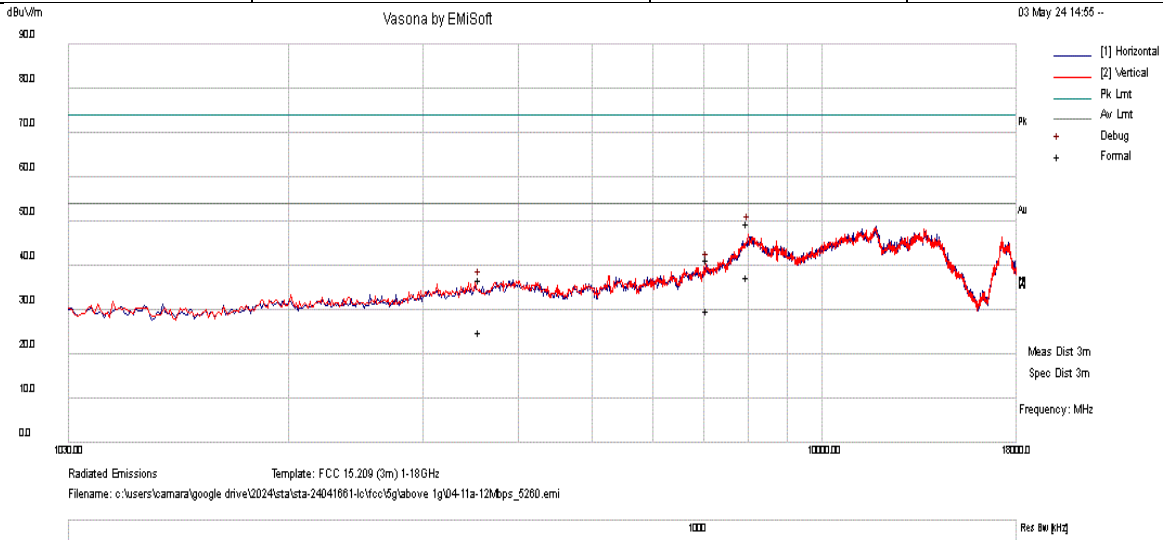


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	8115.70	18.66	14.22	15.69	48.57	Peak Max	V	201	57	74.00	-25.43	Pass
2	6435.43	21.44	12.17	6.95	40.56	Peak Max	H	139	0	74.00	-33.44	Pass
3	3579.87	23.35	8.40	4.47	36.22	Peak Max	V	137	210	74.00	-37.78	Pass
4	8115.70	6.82	14.22	15.69	36.73	Average Max	V	201	57	54.00	-17.27	Pass
5	6435.43	8.54	12.17	6.95	27.66	Average Max	H	139	0	54.00	-26.34	Pass
6	3579.87	11.80	8.40	4.47	24.67	Average Max	V	137	210	54.00	-29.33	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)

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11a Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	05/03/2024
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 52	Test Result:	Pass

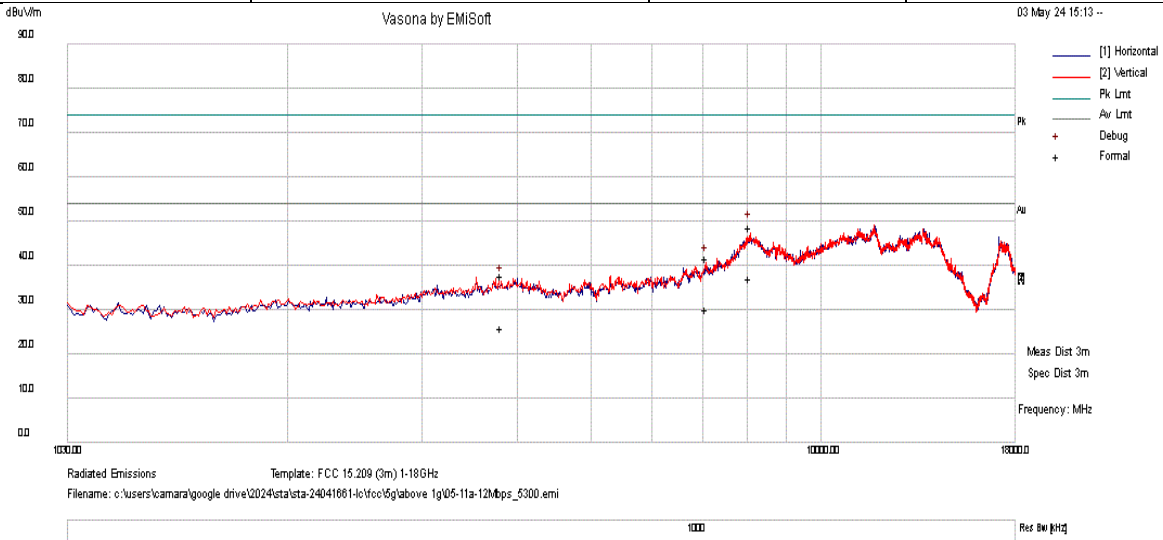


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	8008.42	19.27	14.27	15.85	49.39	Peak Max	V	309	337	74.00	-24.61	Pass
2	7093.17	19.55	12.64	9.19	41.38	Peak Max	H	188	104	74.00	-32.62	Pass
3	3560.99	23.91	8.36	4.43	36.70	Peak Max	V	258	360	74.00	-37.30	Pass
4	8008.42	7.31	14.27	15.85	37.43	Average Max	V	309	337	54.00	-16.57	Pass
5	7093.17	7.92	12.64	9.19	29.75	Average Max	H	188	104	54.00	-24.25	Pass
6	3560.99	12.10	8.36	4.43	24.89	Average Max	V	258	360	54.00	-29.11	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)

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11a Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	05/03/2024
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 60	Test Result:	Pass

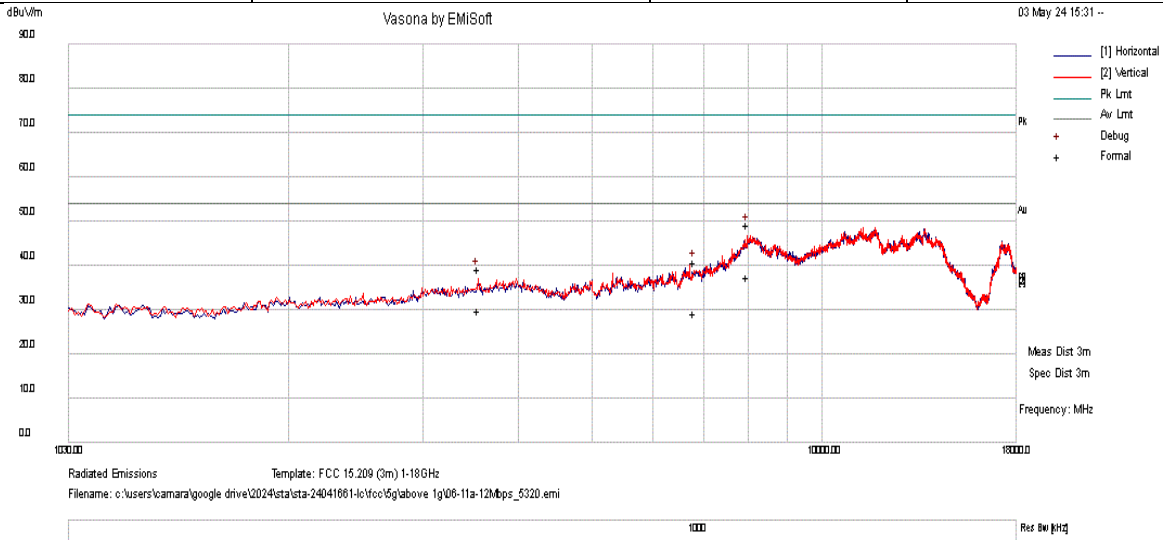


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	8084.49	18.57	14.23	15.75	48.55	Peak Max	V	182	0	74.00	-25.45	Pass
2	7073.33	19.95	12.63	9.17	41.75	Peak Max	H	167	0	74.00	-32.25	Pass
3	3813.16	23.28	9.11	5.37	37.76	Peak Max	V	227	286	74.00	-36.24	Pass
4	8084.49	7.07	14.23	15.75	37.05	Average Max	V	182	0	54.00	-16.95	Pass
5	7073.33	8.20	12.63	9.17	30.00	Average Max	H	167	0	54.00	-24.00	Pass
6	3813.16	11.29	9.11	5.37	25.77	Average Max	V	227	286	54.00	-28.23	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)

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11a Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	05/03/2024
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 64	Test Result:	Pass

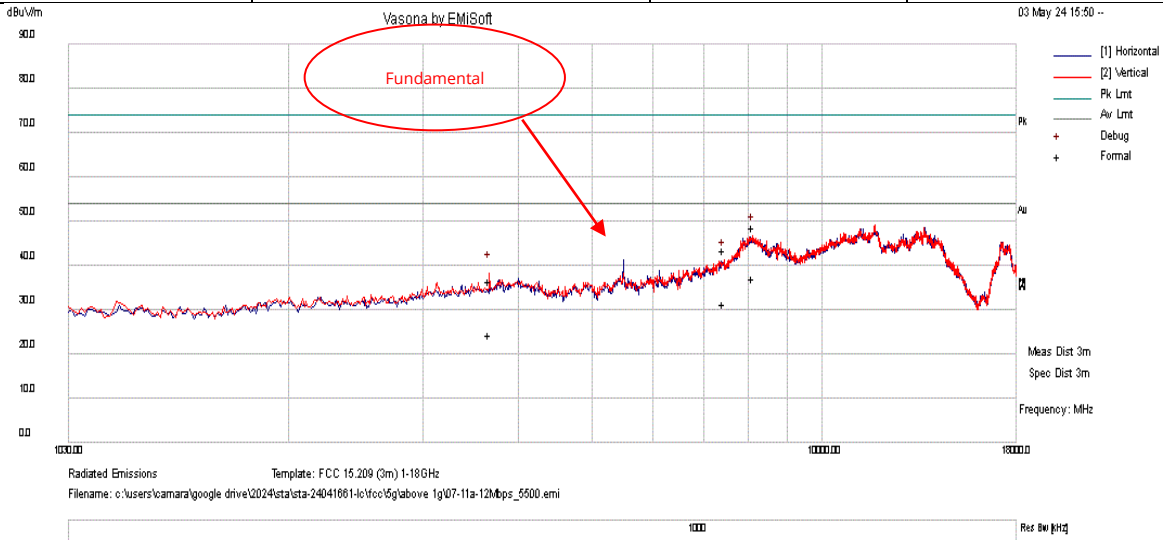


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	7996.48	19.12	14.26	15.81	49.19	Peak Max	V	277	186	74.00	-24.81	Pass
2	6804.45	20.21	12.13	8.52	40.86	Peak Max	V	364	125	74.00	-33.14	Pass
3	3546.63	26.48	8.32	4.39	39.19	Peak Max	V	138	0	74.00	-34.81	Pass
4	7996.48	7.33	14.26	15.81	37.40	Average Max	V	277	186	54.00	-16.60	Pass
5	6804.45	8.56	12.13	8.52	29.21	Average Max	V	364	125	54.00	-24.79	Pass
6	3546.63	16.96	8.32	4.39	29.67	Average Max	V	138	0	54.00	-24.33	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)

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11a Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	05/03/2024
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 100	Test Result:	Pass

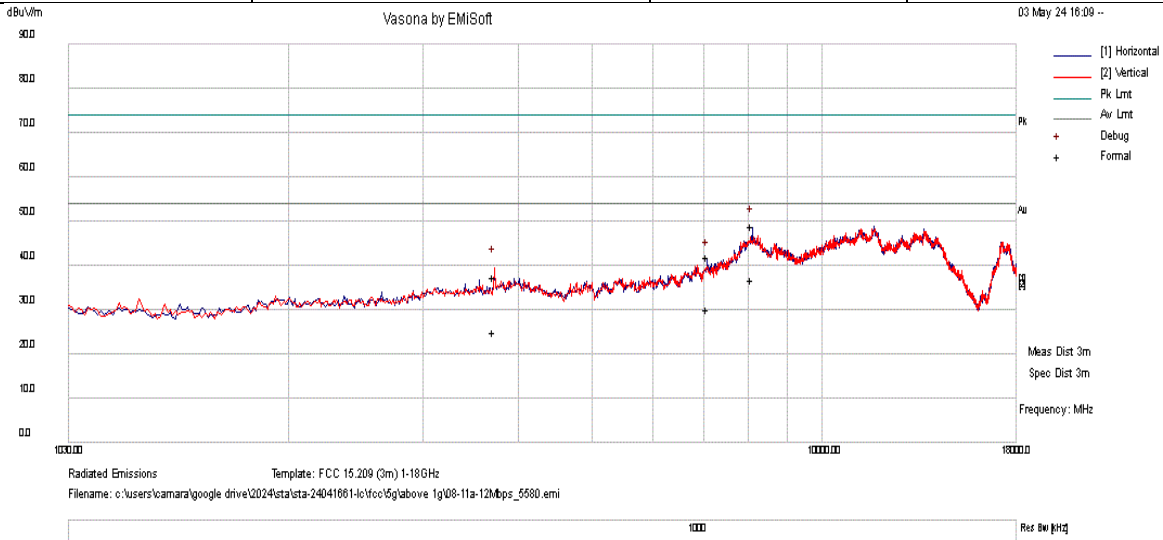


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	8127.57	18.73	14.21	15.67	48.61	Peak Max	V	181	286	74.00	-25.39	Pass
2	7447.05	20.15	13.20	10.01	43.36	Peak Max	V	199	297	74.00	-30.64	Pass
3	3671.02	23.16	8.62	4.64	36.42	Peak Max	H	350	243	74.00	-37.58	Pass
4	8127.57	7.09	14.21	15.67	36.97	Average Max	V	181	286	54.00	-17.03	Pass
5	7447.05	8.16	13.20	10.01	31.37	Average Max	V	199	297	54.00	-22.63	Pass
6	3671.02	11.19	8.62	4.64	24.45	Average Max	H	350	243	54.00	-29.55	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)

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11a Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	05/03/2024
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 116	Test Result:	Pass

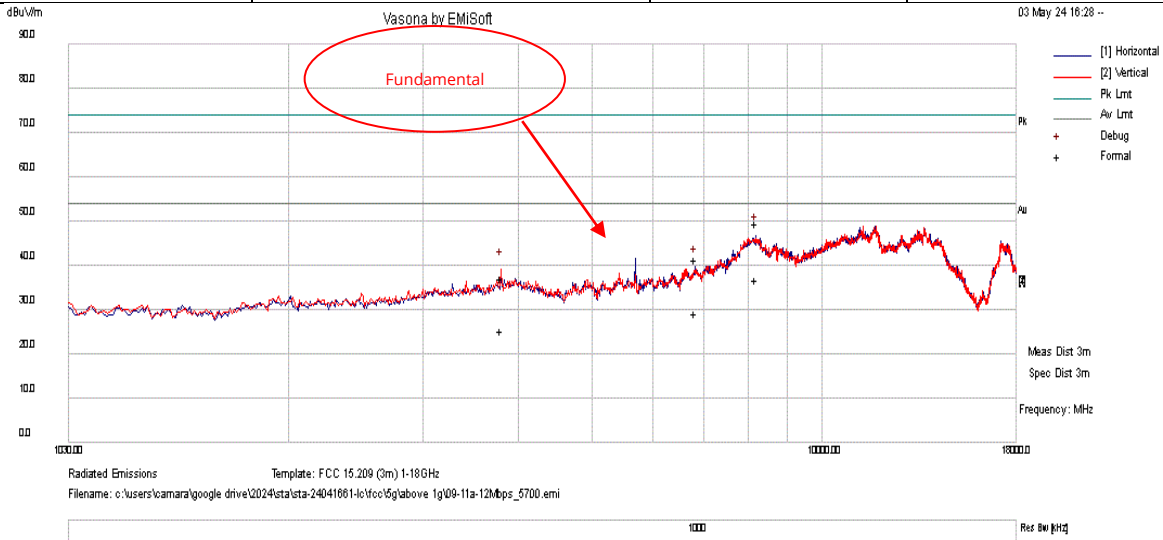


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	8105.63	18.86	14.22	15.71	48.79	Peak Max	H	318	209	74.00	-25.21	Pass
2	7086.36	20.24	12.64	9.18	42.06	Peak Max	H	142	20	74.00	-31.94	Pass
3	3724.17	23.72	8.75	4.89	37.36	Peak Max	V	330	178	74.00	-36.64	Pass
4	8105.63	6.97	14.22	15.71	36.90	Average Max	H	318	209	54.00	-17.10	Pass
5	7086.36	8.17	12.64	9.18	29.99	Average Max	H	142	20	54.00	-24.01	Pass
6	3724.17	11.44	8.75	4.89	25.08	Average Max	V	330	178	54.00	-28.92	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)

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11a Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	05/03/2024
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 140	Test Result:	Pass

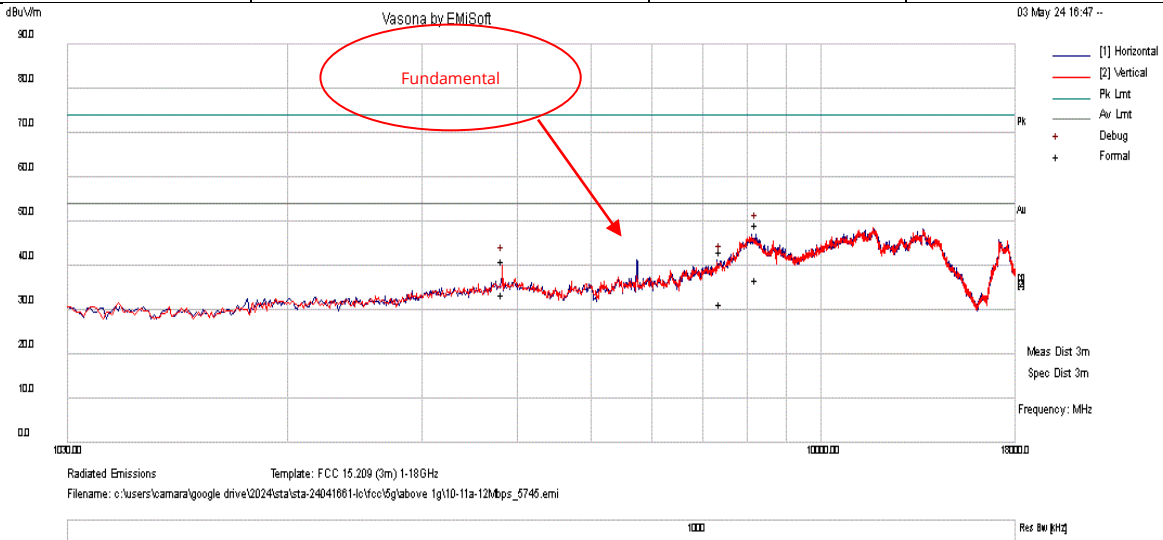


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	8200.25	19.81	14.18	15.60	49.59	Peak Max	H	171	332	74.00	-24.41	Pass
2	6834.58	20.63	12.20	8.53	41.36	Peak Max	H	162	146	74.00	-32.64	Pass
3	3798.99	22.62	9.04	5.32	36.98	Peak Max	H	166	332	74.00	-37.02	Pass
4	8200.25	7.05	14.18	15.60	36.83	Average Max	H	171	332	54.00	-17.17	Pass
5	6834.58	8.58	12.20	8.53	29.31	Average Max	H	162	146	54.00	-24.69	Pass
6	3798.99	11.04	9.04	5.32	25.40	Average Max	H	166	332	54.00	-28.60	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)

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11a Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	05/03/2024
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 149	Test Result:	Pass

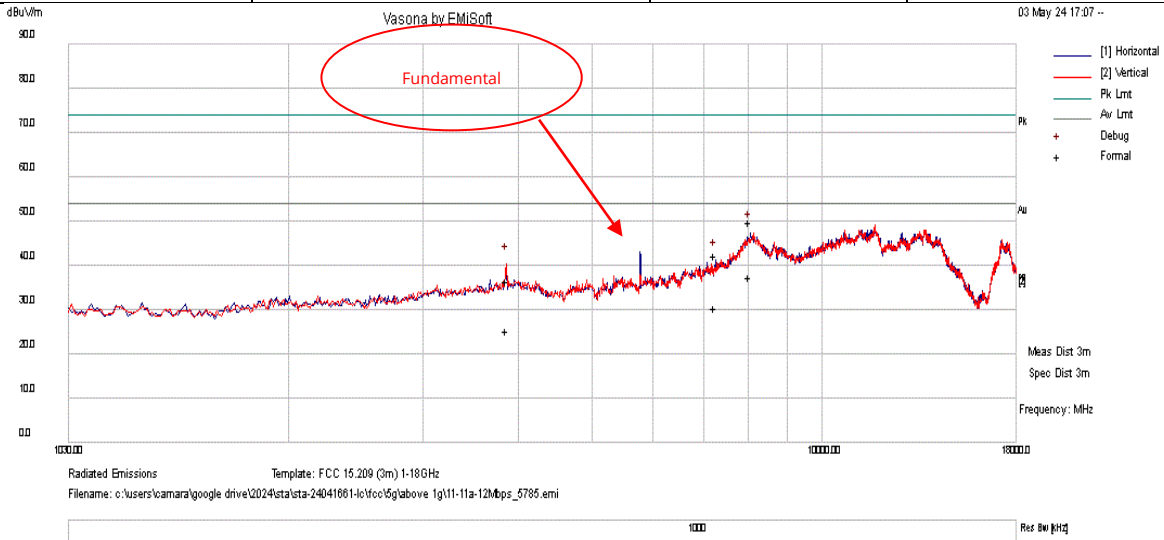


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	8221.42	19.28	14.17	15.61	49.06	Peak Max	H	101	64	74.00	-24.94	Pass
2	7384.98	20.26	13.04	9.90	43.20	Peak Max	V	296	0	74.00	-30.80	Pass
3	3829.97	26.39	9.19	5.43	41.01	Peak Max	H	139	360	74.00	-32.99	Pass
4	8221.42	6.91	14.17	15.61	36.69	Average Max	H	101	64	54.00	-17.31	Pass
5	7384.98	8.32	13.04	9.90	31.26	Average Max	V	296	0	54.00	-22.74	Pass
6	3829.97	18.86	9.19	5.43	33.48	Average Max	H	139	360	54.00	-20.52	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)

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11a Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	05/03/2024
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 157	Test Result:	Pass

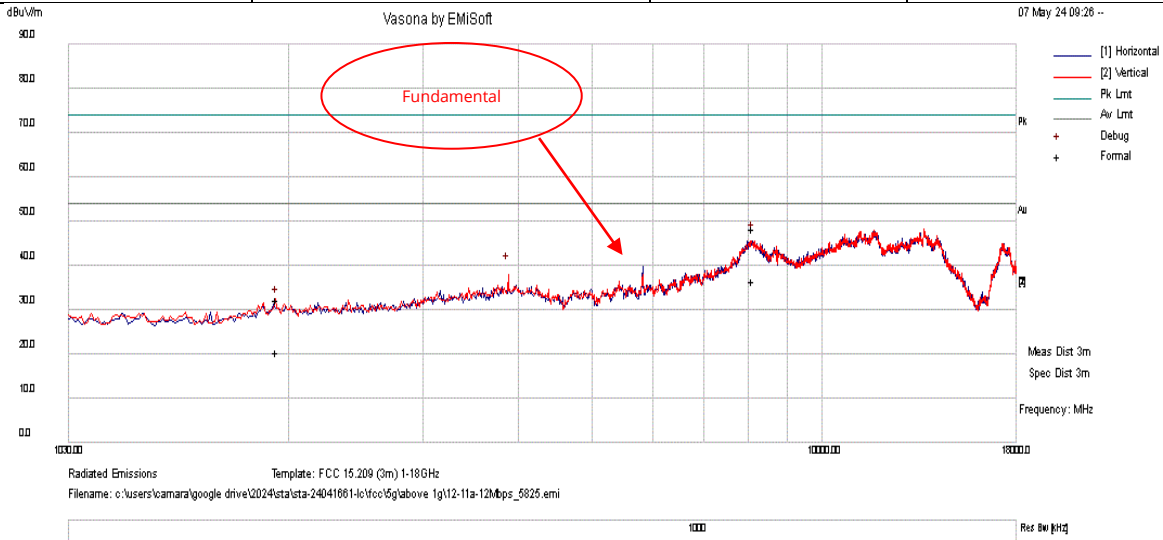


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	8052.72	19.89	14.25	15.82	49.96	Peak Max	H	220	296	74.00	-24.04	Pass
2	7254.65	20.15	12.71	9.43	42.29	Peak Max	H	191	0	74.00	-31.71	Pass
3	3861.29	21.75	9.33	5.51	36.59	Peak Max	V	395	271	74.00	-37.41	Pass
4	8052.72	7.30	14.25	15.82	37.37	Average Max	H	220	296	54.00	-16.63	Pass
5	7254.65	8.27	12.71	9.43	30.41	Average Max	H	191	0	54.00	-23.59	Pass
6	3861.29	10.40	9.33	5.51	25.24	Average Max	V	395	271	54.00	-28.76	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)

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11a Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	05/07/2024
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 165	Test Result:	Pass

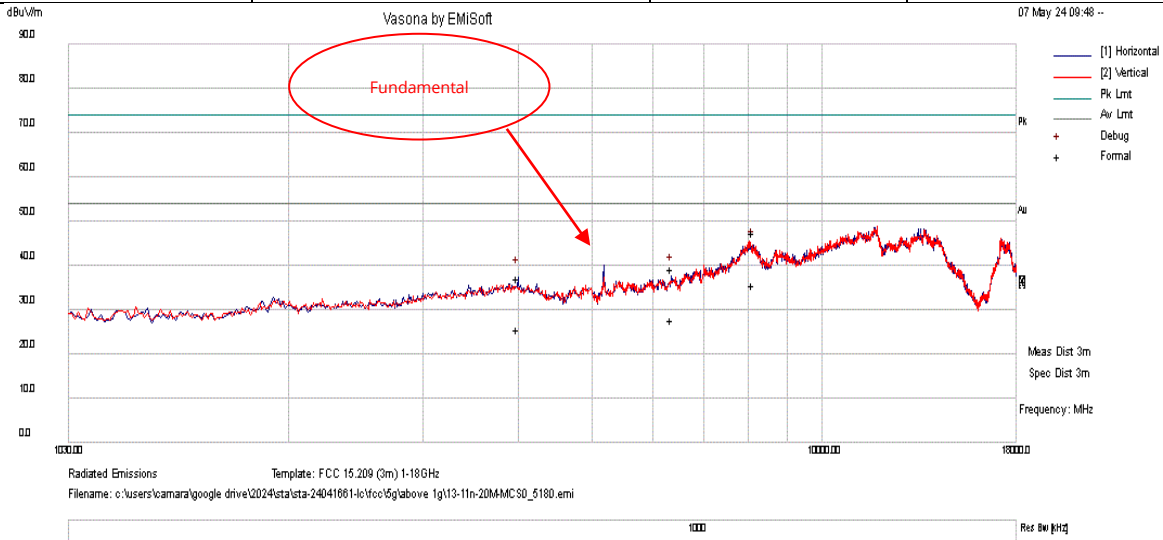


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	8115.51	18.34	14.22	15.69	48.25	Peak Max	H	261	280	74.00	-25.75	Pass
2	1000.00	21.33	4.01	-2.06	23.28	Peak Max	H	100	0	74.00	-50.72	Pass
3	1935.45	25.73	6.27	0.31	32.31	Peak Max	V	214	183	74.00	-41.69	Pass
4	8115.51	6.56	14.22	15.69	36.47	Average Max	H	261	280	54.00	-17.53	Pass
5	1000.00	13.55	4.01	-2.06	15.50	Average Max	H	100	0	54.00	-38.50	Pass
6	1935.45	13.83	6.27	0.31	20.41	Average Max	V	214	183	54.00	-33.59	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)

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11a Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	05/07/2024
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 36	Test Result:	Pass

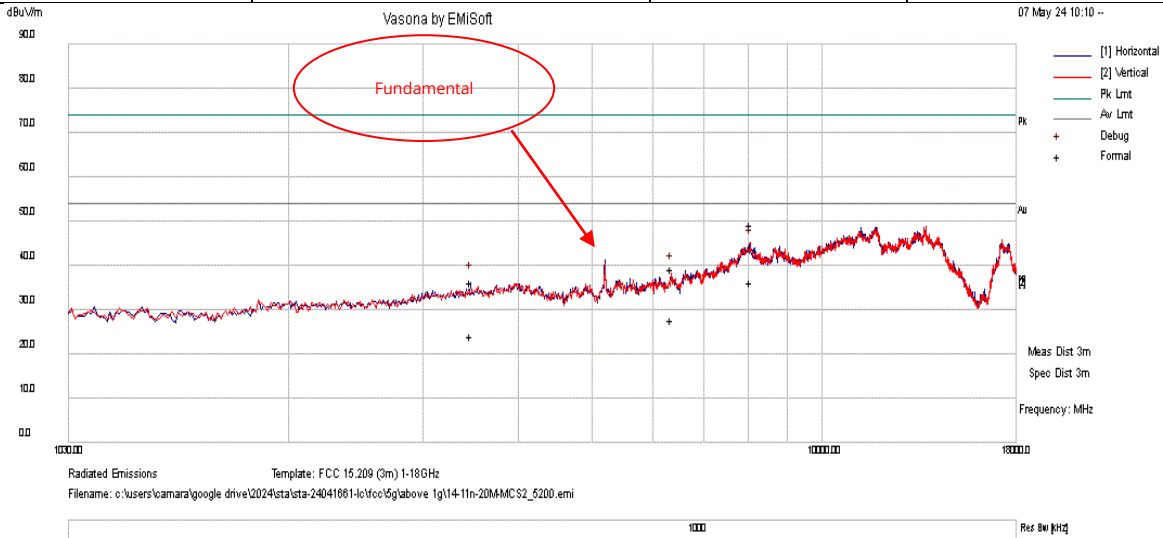


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	8115.56	17.52	14.22	15.69	47.43	Peak Max	H	394	0	74.00	-26.57	Pass
2	6356.12	20.41	12.02	6.76	39.19	Peak Max	H	164	0	74.00	-34.81	Pass
3	3999.19	21.81	9.96	5.18	36.95	Peak Max	H	214	224	74.00	-37.05	Pass
4	8115.56	5.71	14.22	15.69	35.62	Average Max	H	394	0	54.00	-18.38	Pass
5	6356.12	8.92	12.02	6.76	27.70	Average Max	H	164	0	54.00	-26.30	Pass
6	3999.19	10.39	9.96	5.18	25.53	Average Max	H	214	224	54.00	-28.47	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)

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	05/07/2024
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 40	Test Result:	Pass

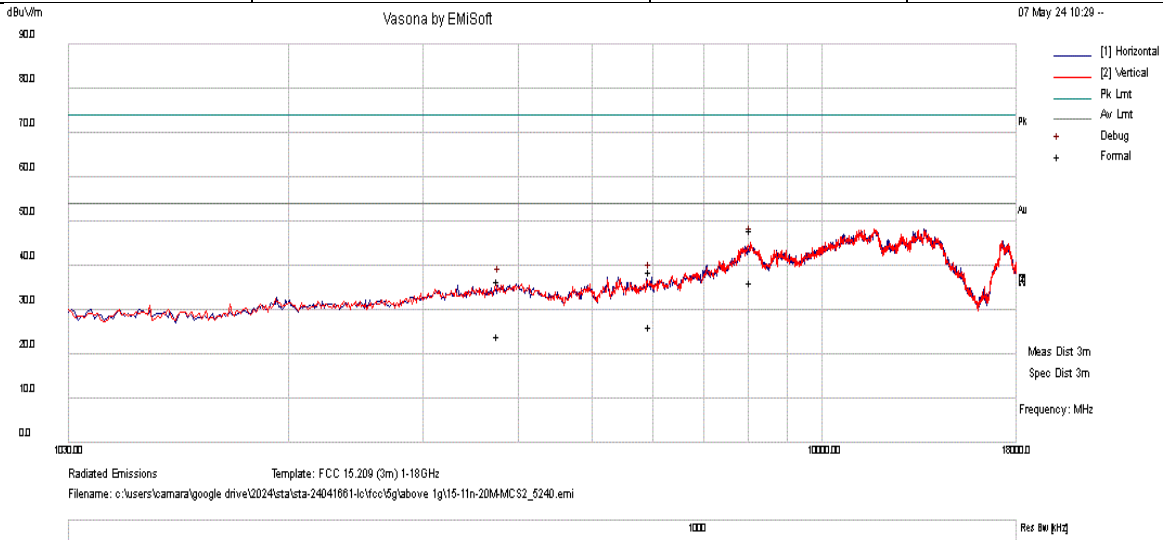


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	8068.27	19.29	14.24	15.78	49.31	Peak Max	V	128	197	74.00	-24.69	Pass
2	6354.33	20.52	12.02	6.76	39.30	Peak Max	H	118	0	74.00	-34.70	Pass
3	3469.73	23.84	8.18	4.05	36.07	Peak Max	H	307	270	74.00	-37.93	Pass
4	8068.27	6.11	14.24	15.78	36.13	Average Max	V	128	197	54.00	-17.87	Pass
5	6354.33	8.88	12.02	6.76	27.66	Average Max	H	118	0	54.00	-26.34	Pass
6	3469.73	11.74	8.18	4.05	23.97	Average Max	H	307	270	54.00	-30.03	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)

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	05/07/2024
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 48	Test Result:	Pass

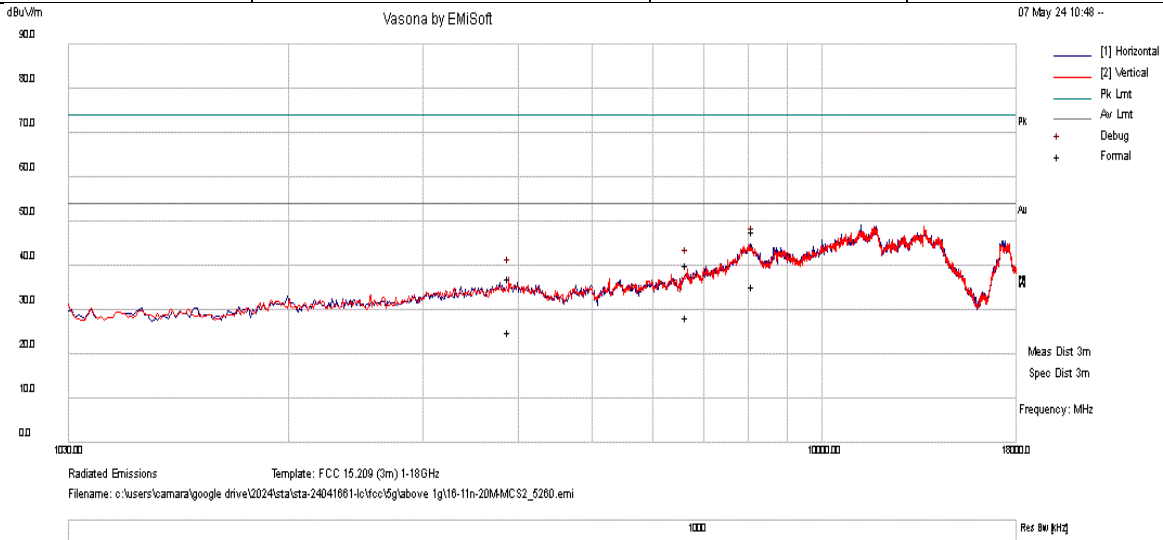


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	8066.93	17.93	14.24	15.79	47.96	Peak Max	H	146	72	74.00	-26.04	Pass
2	5950.12	20.71	11.75	6.06	38.52	Peak Max	H	311	111	74.00	-35.48	Pass
3	3773.34	22.48	8.92	5.15	36.55	Peak Max	V	198	48	74.00	-37.45	Pass
4	8066.93	6.24	14.24	15.79	36.27	Average Max	H	146	72	54.00	-17.73	Pass
5	5950.12	8.38	11.75	6.06	26.19	Average Max	H	311	111	54.00	-27.81	Pass
6	3773.34	10.12	8.92	5.15	24.19	Average Max	V	198	48	54.00	-29.81	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)

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	05/07/2024
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 52	Test Result:	Pass

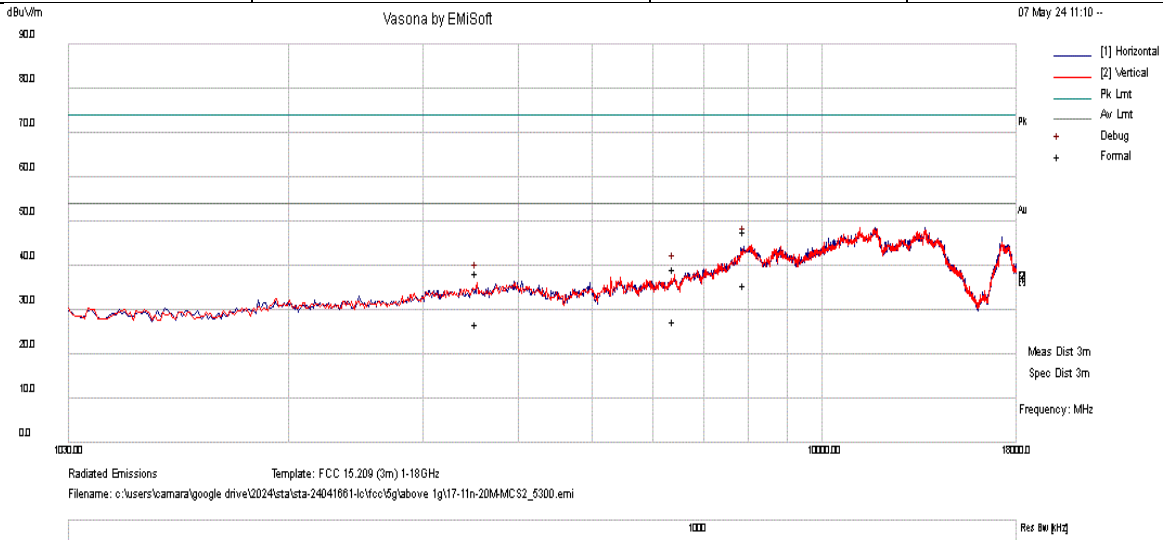


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	8114.19	17.77	14.22	15.69	47.68	Peak Max	H	246	0	74.00	-26.32	Pass
2	6659.80	20.25	12.09	7.91	40.25	Peak Max	V	132	97	74.00	-33.75	Pass
3	3893.99	22.04	9.48	5.52	37.04	Peak Max	V	199	202	74.00	-36.96	Pass
4	8114.19	5.44	14.22	15.69	35.35	Average Max	H	246	0	54.00	-18.65	Pass
5	6659.80	8.21	12.09	7.91	28.21	Average Max	V	132	97	54.00	-25.79	Pass
6	3893.99	10.00	9.48	5.52	25.00	Average Max	V	199	202	54.00	-29.00	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)

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	05/07/2024
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 60	Test Result:	Pass

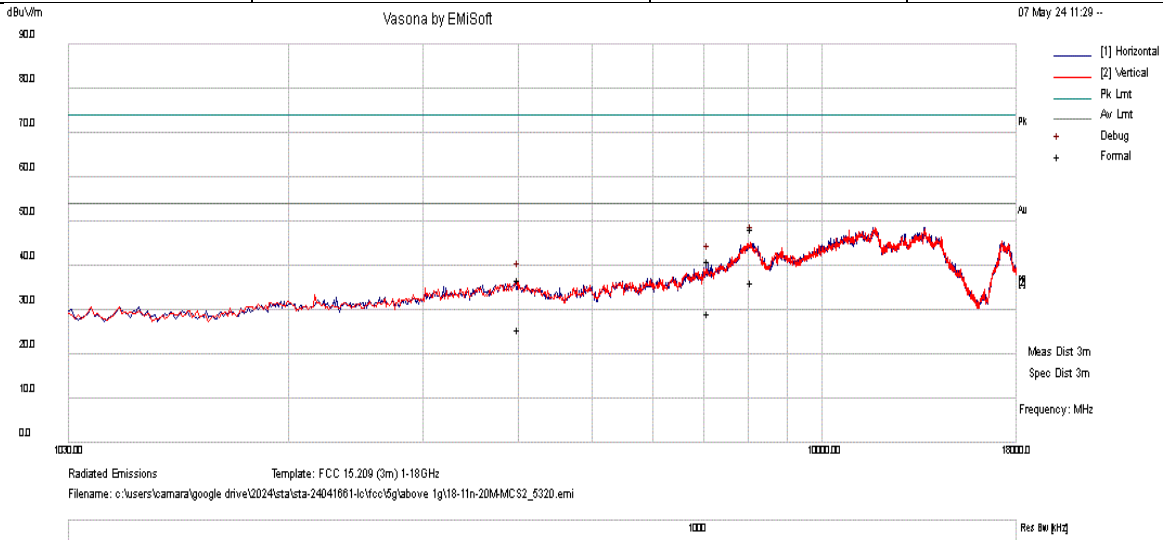


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	7910.06	19.10	14.07	14.58	47.75	Peak Max	H	164	319	74.00	-26.25	Pass
2	6408.62	20.22	12.12	6.85	39.19	Peak Max	V	344	40	74.00	-34.81	Pass
3	3533.15	25.73	8.29	4.32	38.34	Peak Max	V	107	328	74.00	-35.66	Pass
4	7910.06	6.98	14.07	14.58	35.63	Average Max	H	164	319	54.00	-18.37	Pass
5	6408.62	8.30	12.12	6.85	27.27	Average Max	V	344	40	54.00	-26.73	Pass
6	3533.15	14.28	8.29	4.32	26.89	Average Max	V	107	328	54.00	-27.11	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)

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	05/07/2024
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 64	Test Result:	Pass

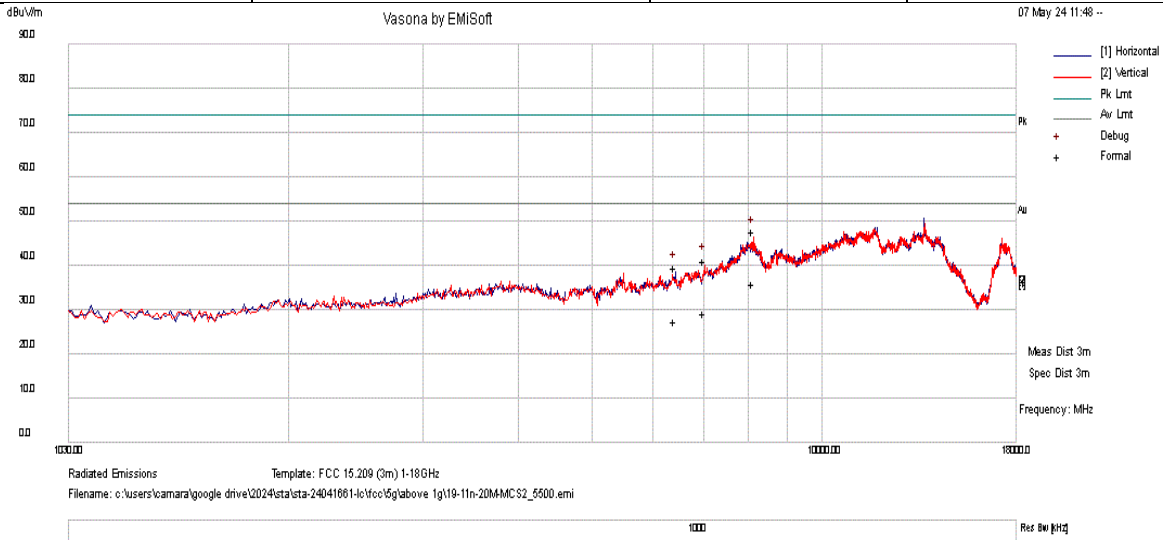


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	8092.01	18.18	14.23	15.73	48.14	Peak Max	H	337	129	74.00	-25.86	Pass
2	7107.80	19.27	12.65	9.22	41.14	Peak Max	H	250	0	74.00	-32.86	Pass
3	4010.08	21.79	9.94	5.15	36.88	Peak Max	V	277	177	74.00	-37.12	Pass
4	8092.01	6.32	14.23	15.73	36.28	Average Max	H	337	129	54.00	-17.72	Pass
5	7107.80	7.42	12.65	9.22	29.29	Average Max	H	250	0	54.00	-24.71	Pass
6	4010.08	10.46	9.94	5.15	25.55	Average Max	V	277	177	54.00	-28.45	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)

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	05/07/2024
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 100	Test Result:	Pass

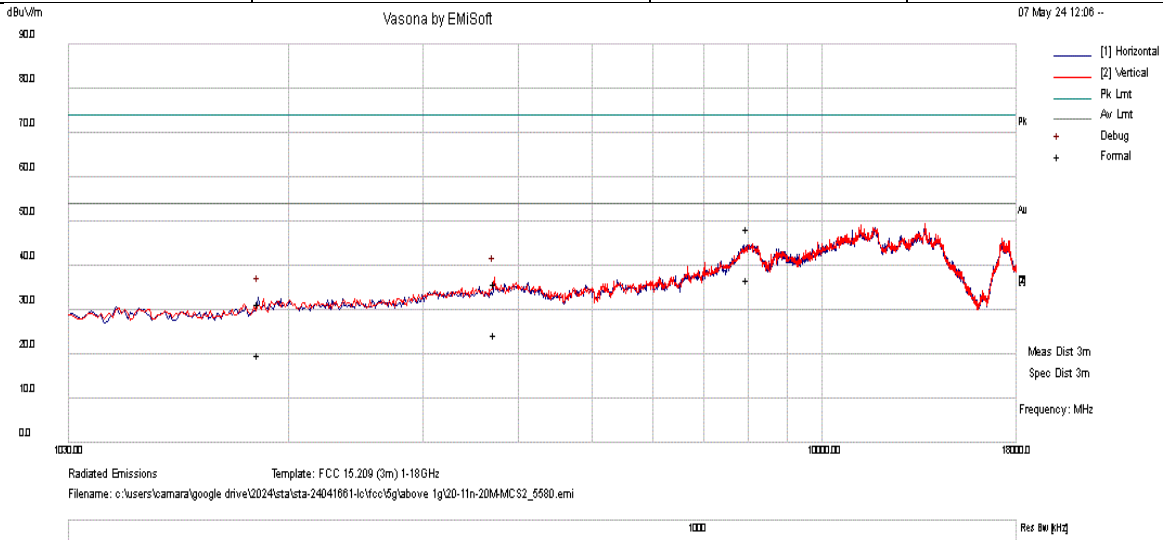


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	8135.93	17.81	14.21	15.66	47.68	Peak Max	V	302	94	74.00	-26.32	Pass
2	7021.39	19.33	12.61	9.04	40.98	Peak Max	H	100	277	74.00	-33.02	Pass
3	6427.35	20.34	12.15	6.92	39.41	Peak Max	H	383	43	74.00	-34.59	Pass
4	8135.93	5.90	14.21	15.66	35.77	Average Max	V	302	94	54.00	-18.23	Pass
5	7021.39	7.46	12.61	9.04	29.11	Average Max	H	100	277	54.00	-24.89	Pass
6	6427.35	8.43	12.15	6.92	27.50	Average Max	H	383	43	54.00	-26.50	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)

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	05/07/2024
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 116	Test Result:	Pass

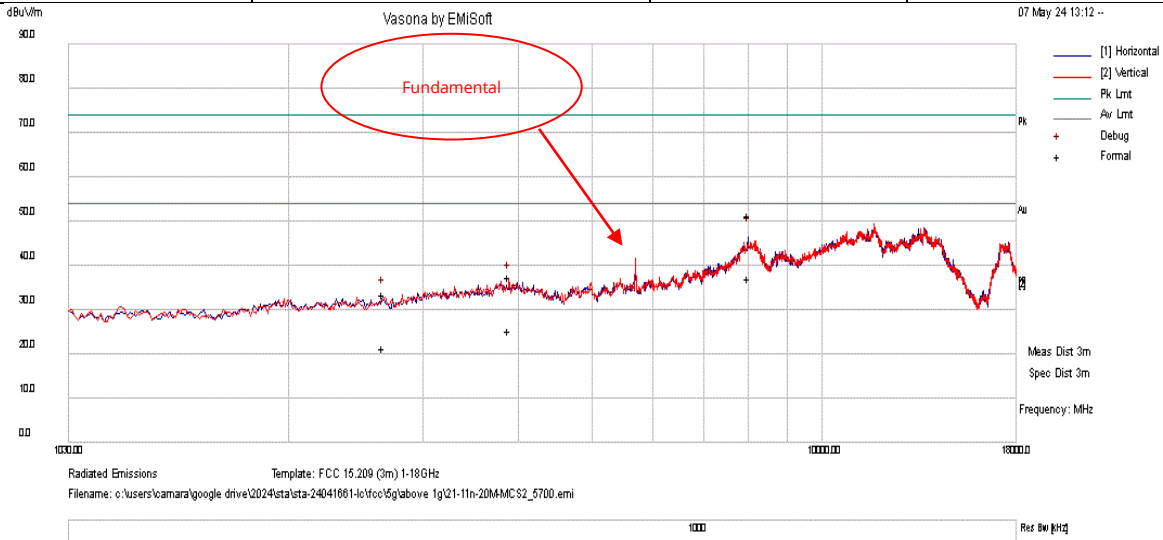


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	7988.12	18.34	14.24	15.69	48.27	Peak Max	H	253	118	74.00	-25.73	Pass
2	3724.49	22.26	8.75	4.89	35.90	Peak Max	V	395	0	74.00	-38.10	Pass
3	1826.87	25.25	6.10	0.10	31.45	Peak Max	H	192	290	74.00	-42.55	Pass
4	7988.12	6.76	14.24	15.69	36.69	Average Max	H	253	118	54.00	-17.31	Pass
5	3724.49	10.78	8.75	4.89	24.42	Average Max	V	395	0	54.00	-29.58	Pass
6	1826.87	13.75	6.10	0.10	19.95	Average Max	H	192	290	54.00	-34.05	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)

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	05/07/2024
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 140	Test Result:	Pass

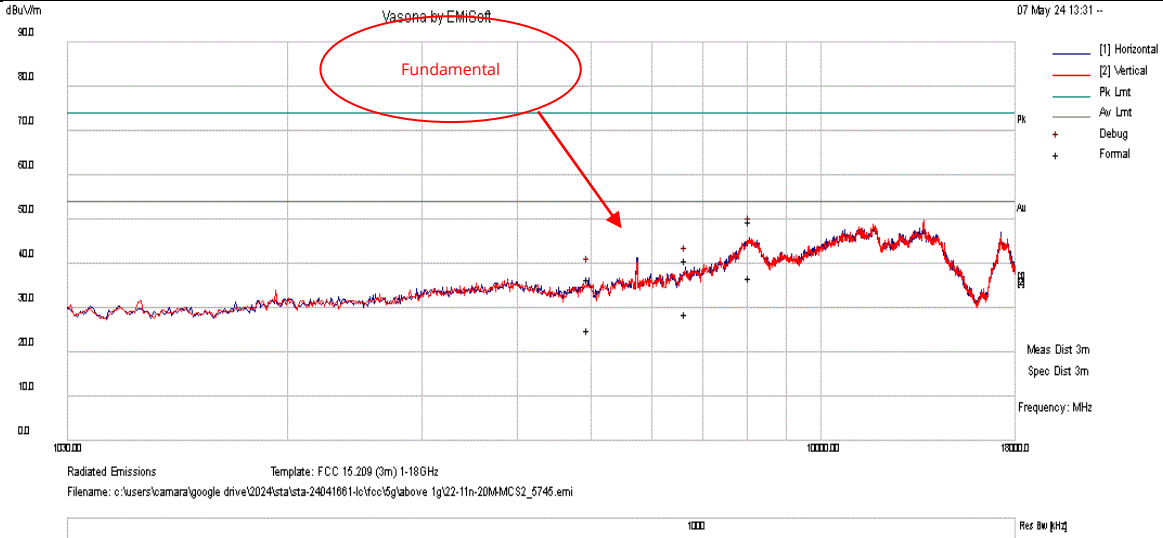


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	8009.79	21.22	14.27	15.85	51.34	Peak Max	H	194	189	74.00	-22.66	Pass
2	3895.10	22.40	9.49	5.52	37.41	Peak Max	V	252	0	74.00	-36.59	Pass
3	2658.94	25.37	7.11	1.12	33.60	Peak Max	H	326	181	74.00	-40.40	Pass
4	8009.79	6.93	14.27	15.85	37.05	Average Max	H	194	189	54.00	-16.95	Pass
5	3895.10	10.16	9.49	5.52	25.17	Average Max	V	252	0	54.00	-28.83	Pass
6	2658.94	13.21	7.11	1.12	21.44	Average Max	H	326	181	54.00	-32.56	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)

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	05/07/2024
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 149	Test Result:	Pass

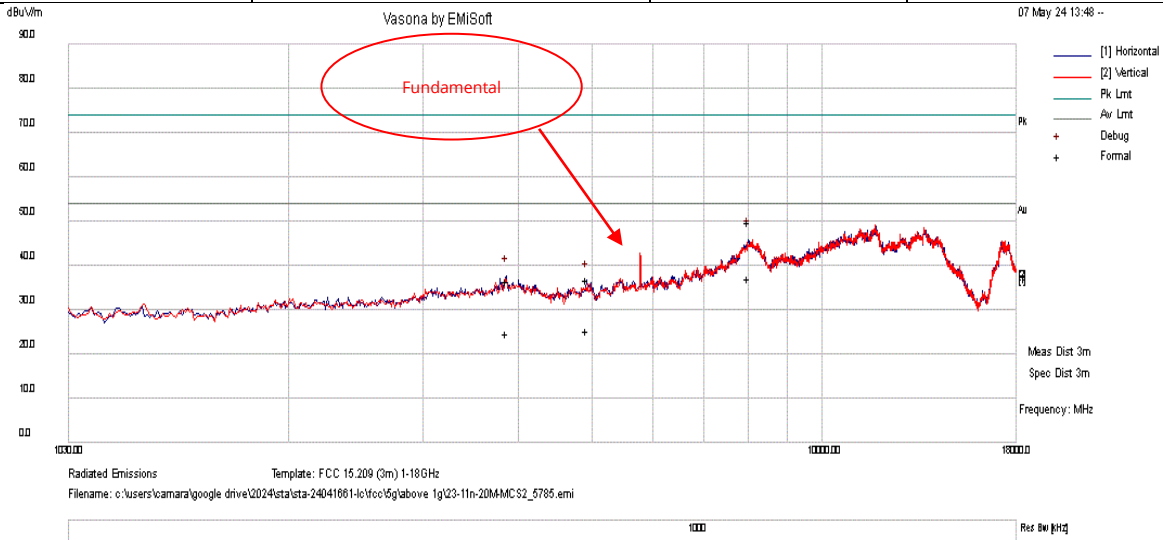


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	8061.05	19.57	14.24	15.80	49.61	Peak Max	H	339	313	74.00	-24.39	Pass
2	6649.91	20.62	12.10	7.87	40.59	Peak Max	H	205	0	74.00	-33.41	Pass
3	4964.88	21.55	9.46	5.58	36.59	Peak Max	H	113	40	74.00	-37.41	Pass
4	8061.05	6.76	14.24	15.80	36.80	Average Max	H	339	313	54.00	-17.20	Pass
5	6649.91	8.57	12.10	7.87	28.54	Average Max	H	205	0	54.00	-25.46	Pass
6	4964.88	9.85	9.46	5.58	24.89	Average Max	H	113	40	54.00	-29.11	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)

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	05/07/2024
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 157	Test Result:	Pass

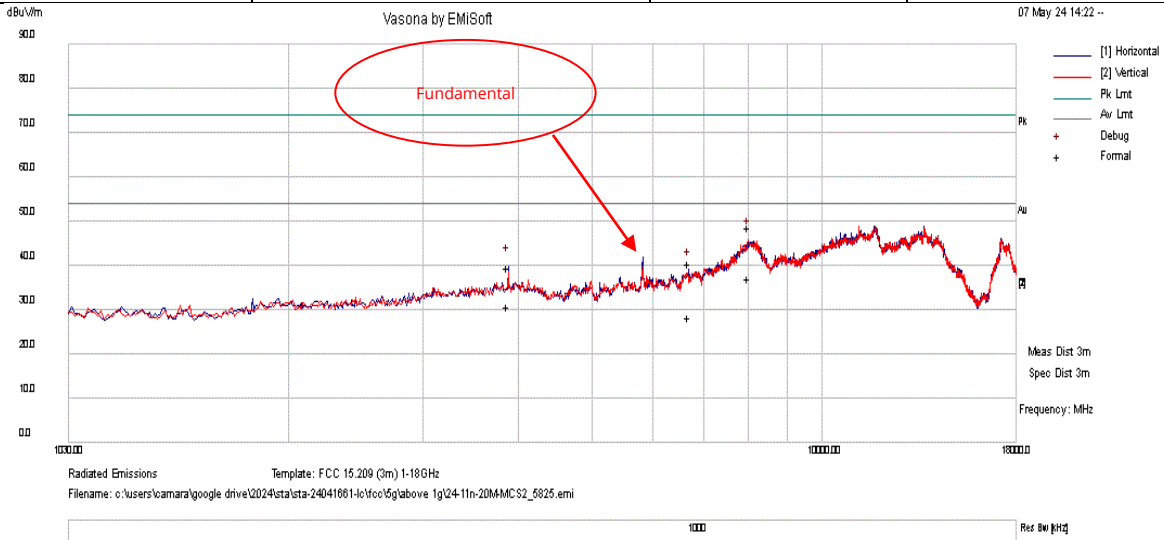


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	8010.27	19.77	14.27	15.85	49.89	Peak Max	H	143	268	74.00	-24.11	Pass
2	3861.04	21.53	9.33	5.51	36.37	Peak Max	H	192	257	74.00	-37.63	Pass
3	4926.22	21.78	9.38	5.68	36.84	Peak Max	H	242	0	74.00	-37.16	Pass
4	8010.27	6.87	14.27	15.85	36.99	Average Max	H	143	268	54.00	-17.01	Pass
5	3861.04	9.94	9.33	5.51	24.78	Average Max	H	192	257	54.00	-29.22	Pass
6	4926.22	10.13	9.38	5.68	25.19	Average Max	H	242	0	54.00	-28.81	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)

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	05/07/2024
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 165	Test Result:	Pass

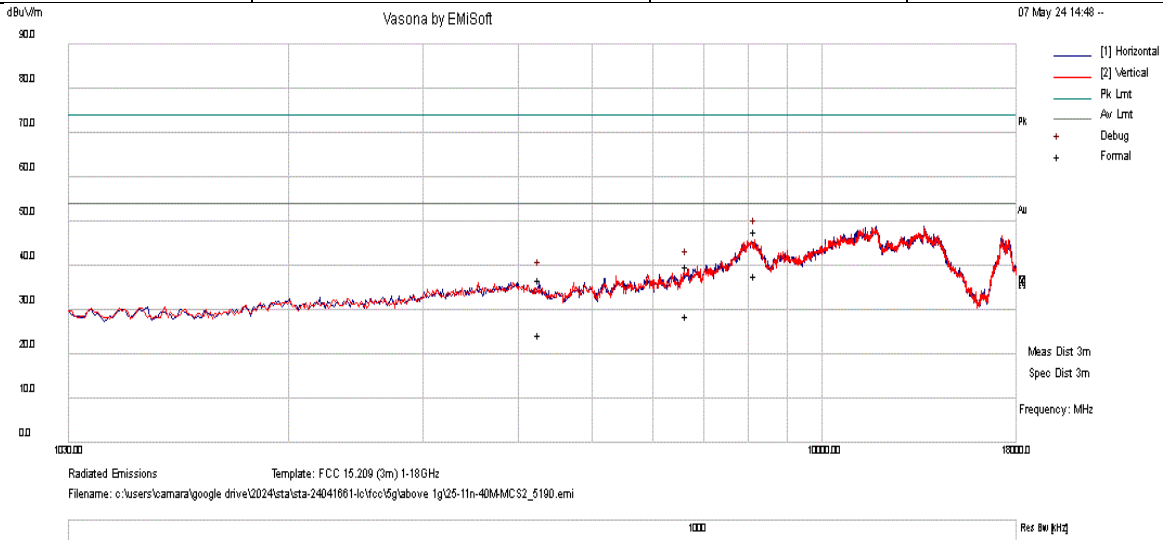


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	8008.52	18.51	14.27	15.85	48.63	Peak Max	V	365	150	74.00	-25.37	Pass
2	3883.24	24.64	9.43	5.51	39.58	Peak Max	H	216	88	74.00	-34.42	Pass
3	6695.58	20.27	12.05	8.05	40.37	Peak Max	H	272	12	74.00	-33.63	Pass
4	8008.52	6.93	14.27	15.85	37.05	Average Max	V	365	150	54.00	-16.95	Pass
5	3883.24	15.83	9.43	5.51	30.77	Average Max	H	216	88	54.00	-23.23	Pass
6	6695.58	8.24	12.05	8.05	28.34	Average Max	H	272	12	54.00	-25.66	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)

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n40 Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	05/07/2024
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 38	Test Result:	Pass

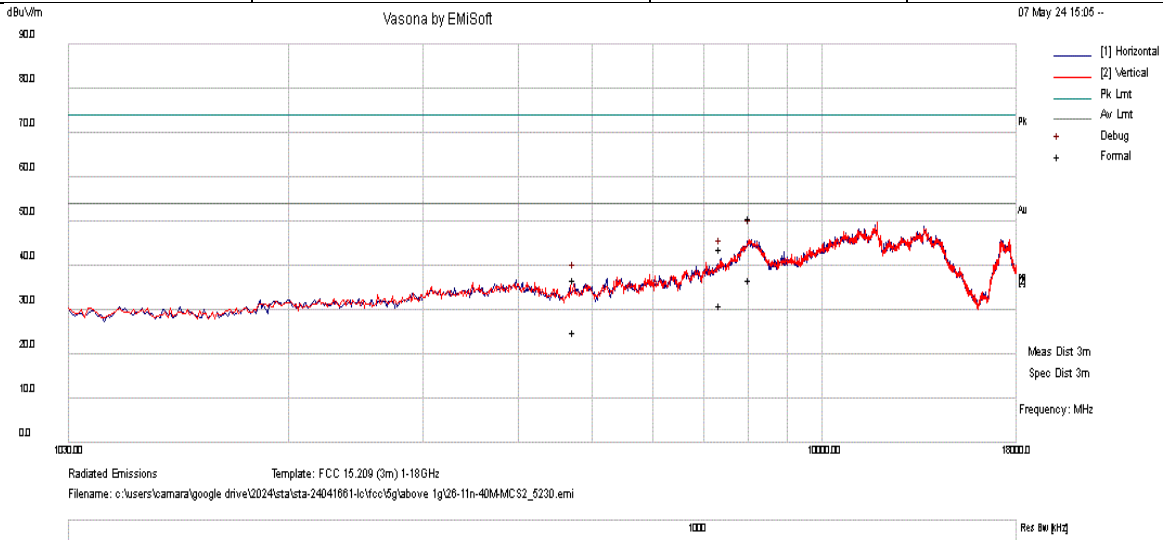


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	8168.64	17.80	14.19	15.62	47.61	Peak Max	V	284	314	74.00	-26.39	Pass
2	6662.78	19.95	12.09	7.92	39.96	Peak Max	H	100	146	74.00	-34.04	Pass
3	4263.05	22.28	9.52	4.90	36.70	Peak Max	H	243	142	74.00	-37.30	Pass
4	8168.64	7.98	14.19	15.62	37.79	Average Max	V	284	314	54.00	-16.21	Pass
5	6662.78	8.47	12.09	7.92	28.48	Average Max	H	100	146	54.00	-25.52	Pass
6	4263.05	10.08	9.52	4.90	24.50	Average Max	H	243	142	54.00	-29.50	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)

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n40 Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	05/07/2024
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 46	Test Result:	Pass

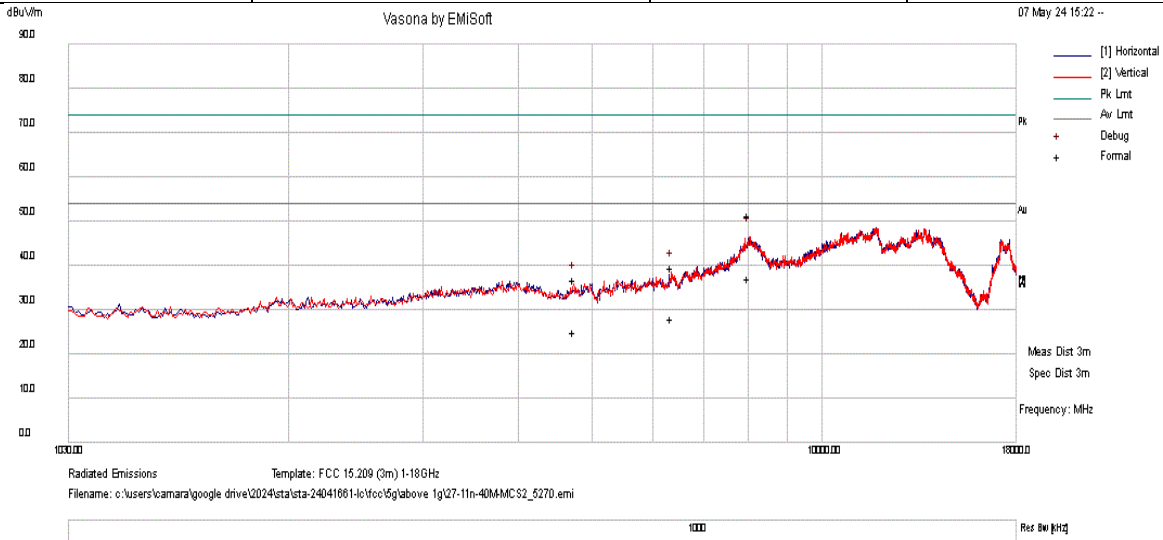


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	8040.39	20.52	14.25	15.83	50.60	Peak Max	V	277	94	74.00	-23.40	Pass
2	7371.38	20.97	13.01	9.87	43.85	Peak Max	H	273	0	74.00	-30.15	Pass
3	4731.03	21.93	8.99	5.88	36.80	Peak Max	V	266	64	74.00	-37.20	Pass
4	8040.39	6.82	14.25	15.83	36.90	Average Max	V	277	94	54.00	-17.10	Pass
5	7371.38	8.22	13.01	9.87	31.10	Average Max	H	273	0	54.00	-22.90	Pass
6	4731.03	10.14	8.99	5.88	25.01	Average Max	V	266	64	54.00	-28.99	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)

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n40 Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	05/07/2024
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 54	Test Result:	Pass

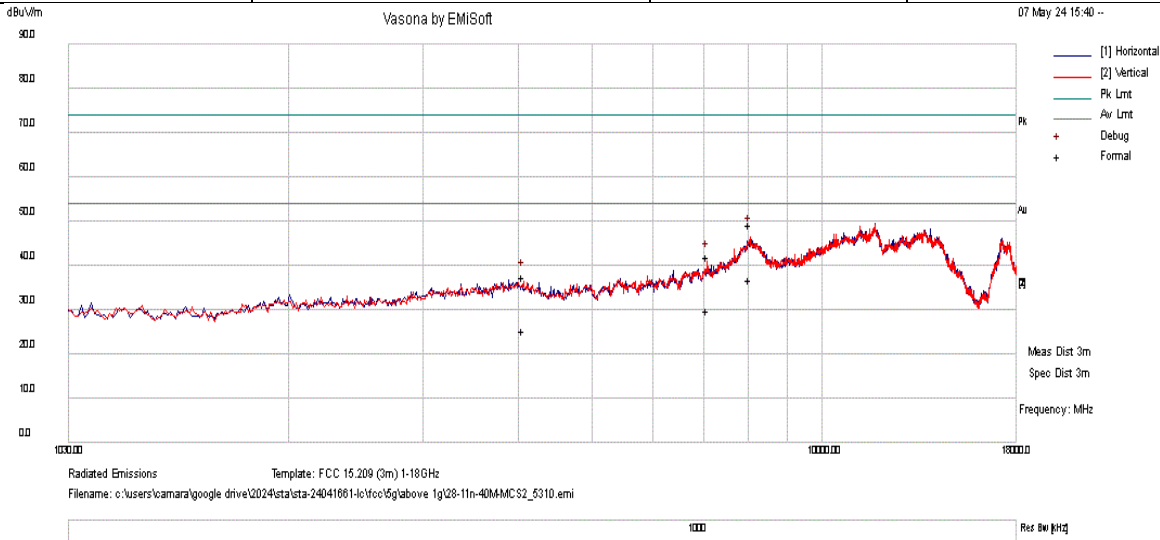


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	8029.82	21.36	14.26	15.84	51.46	Peak Max	V	197	0	74.00	-22.54	Pass
2	6352.48	20.77	12.02	6.76	39.55	Peak Max	V	221	134	74.00	-34.45	Pass
3	4730.63	21.78	8.99	5.87	36.64	Peak Max	V	270	354	74.00	-37.36	Pass
4	8029.82	7.00	14.26	15.84	37.10	Average Max	V	197	0	54.00	-16.90	Pass
5	6352.48	9.22	12.02	6.76	28.00	Average Max	V	221	134	54.00	-26.00	Pass
6	4730.63	10.14	8.99	5.87	25.00	Average Max	V	270	354	54.00	-29.00	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)

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n40 Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	05/07/2024
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 62	Test Result:	Pass

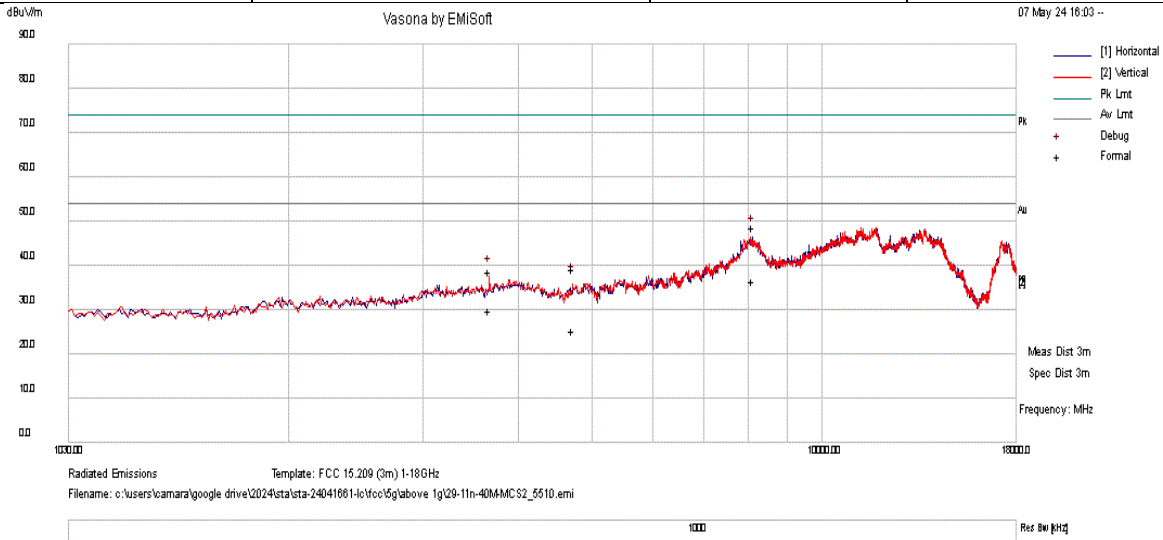


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	8050.40	19.04	14.25	15.82	49.11	Peak Max	V	164	124	74.00	-24.89	Pass
2	7088.00	20.08	12.64	9.19	41.91	Peak Max	V	276	100	74.00	-32.09	Pass
3	4065.43	22.59	9.86	5.02	37.47	Peak Max	V	0	353	74.00	-36.53	Pass
4	8050.40	6.81	14.25	15.82	36.88	Average Max	V	164	124	54.00	-17.12	Pass
5	7088.00	7.89	12.64	9.19	29.72	Average Max	V	276	100	54.00	-24.28	Pass
6	4065.43	10.41	9.86	5.02	25.29	Average Max	V	0	353	54.00	-28.71	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)

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n40 Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	05/07/2024
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 102	Test Result:	Pass

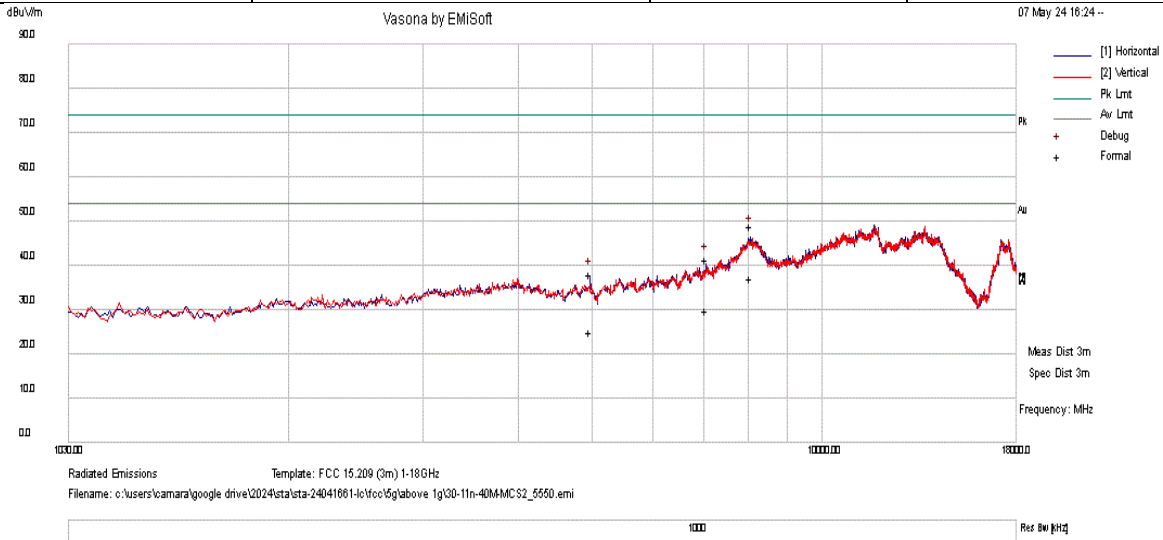


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	8125.96	18.81	14.21	15.68	48.70	Peak Max	H	405	288	74.00	-25.30	Pass
2	3673.13	25.33	8.63	4.65	38.61	Peak Max	V	0	66	74.00	-35.39	Pass
3	4719.20	24.27	8.96	5.85	39.08	Peak Max	V	404	0	74.00	-34.92	Pass
4	8125.96	6.56	14.21	15.68	36.45	Average Max	H	405	288	54.00	-17.55	Pass
5	3673.13	16.45	8.63	4.65	29.73	Average Max	V	0	66	54.00	-24.27	Pass
6	4719.20	10.43	8.96	5.85	25.24	Average Max	V	404	0	54.00	-28.76	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)

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n40 Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	05/07/2024
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 110	Test Result:	Pass

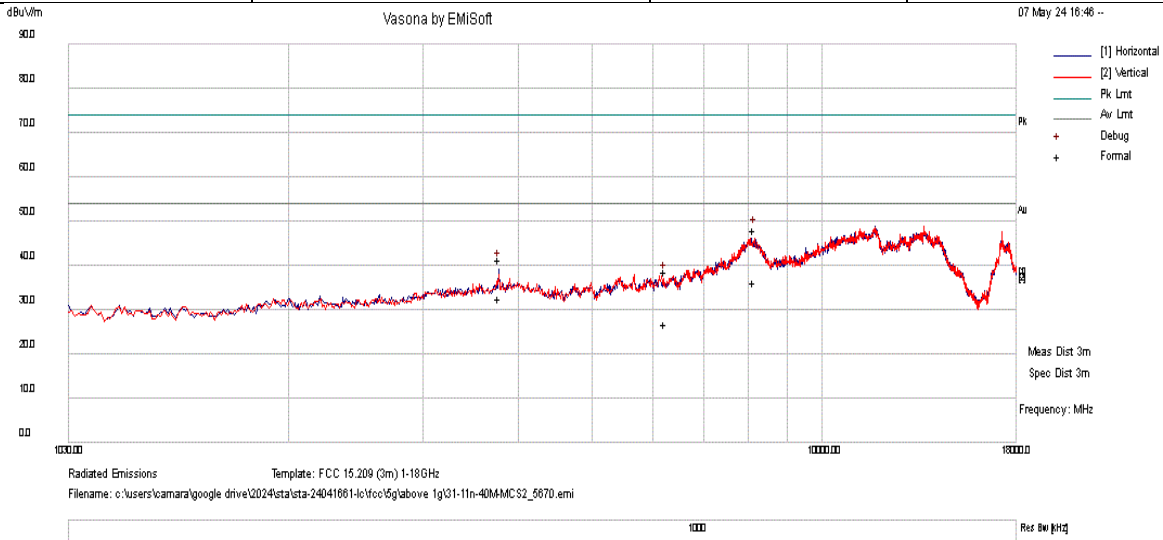


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	8063.08	18.90	14.24	15.80	48.94	Peak Max	H	197	200	74.00	-25.06	Pass
2	7057.78	19.54	12.63	9.15	41.32	Peak Max	H	321	62	74.00	-32.68	Pass
3	4976.07	23.01	9.48	5.59	38.08	Peak Max	H	100	238	74.00	-35.92	Pass
4	8063.08	6.94	14.24	15.80	36.98	Average Max	H	197	200	54.00	-17.02	Pass
5	7057.78	7.93	12.63	9.15	29.71	Average Max	H	321	62	54.00	-24.29	Pass
6	4976.07	9.94	9.48	5.59	25.01	Average Max	H	100	238	54.00	-28.99	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)

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n40 Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	05/07/2024
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 134	Test Result:	Pass

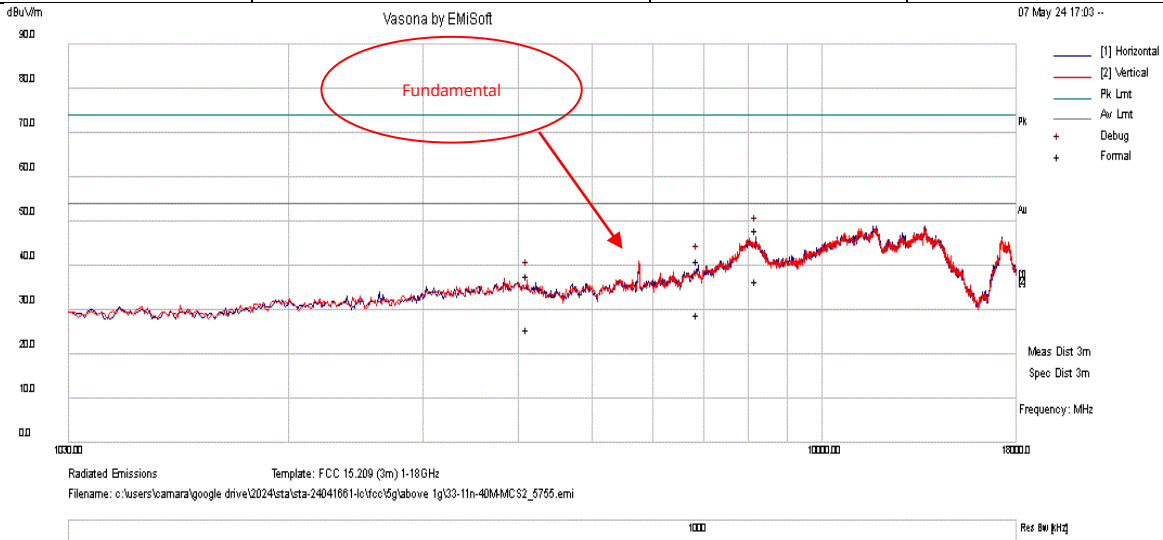


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	8166.56	18.27	14.19	15.62	48.08	Peak Max	V	145	65	74.00	-25.92	Pass
2	3779.81	27.14	8.95	5.20	41.29	Peak Max	H	252	332	74.00	-32.71	Pass
3	6226.57	19.88	11.83	6.83	38.54	Peak Max	V	126	0	74.00	-35.46	Pass
4	8166.56	6.46	14.19	15.62	36.27	Average Max	V	145	65	54.00	-17.73	Pass
5	3779.81	18.54	8.95	5.20	32.69	Average Max	H	252	332	54.00	-21.31	Pass
6	6226.57	8.15	11.83	6.83	26.81	Average Max	V	126	0	54.00	-27.19	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)

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n40 Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	05/07/2024
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 151	Test Result:	Pass

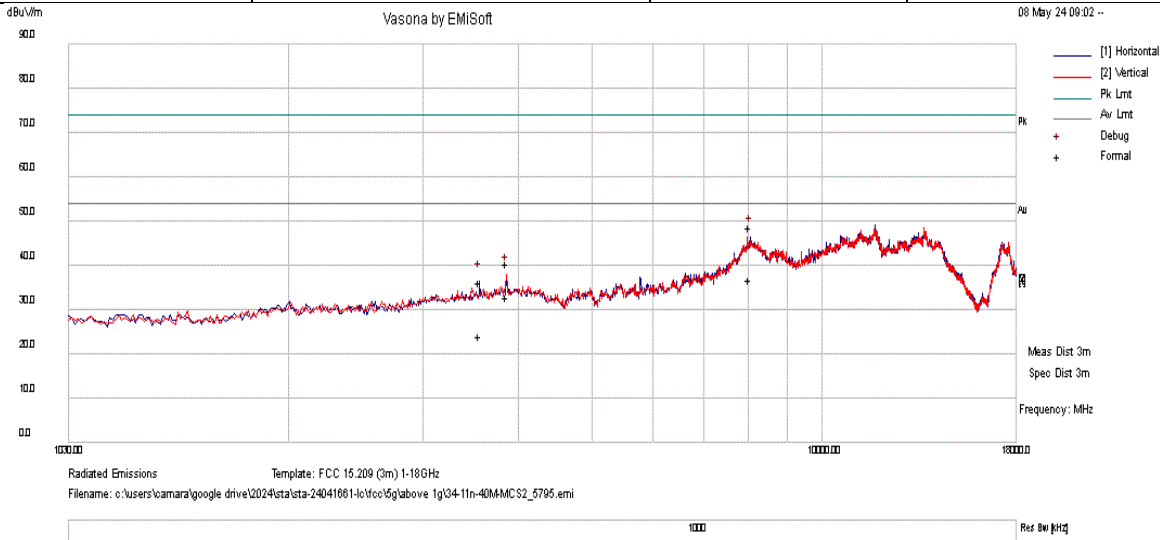


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	8208.75	18.07	14.18	15.61	47.86	Peak Max	H	236	273	74.00	-26.14	Pass
2	6885.72	20.00	12.33	8.67	41.00	Peak Max	H	159	0	74.00	-33.00	Pass
3	4117.79	22.99	9.78	4.99	37.76	Peak Max	V	320	262	74.00	-36.24	Pass
4	8208.75	6.56	14.18	15.61	36.35	Average Max	H	236	273	54.00	-17.65	Pass
5	6885.72	8.03	12.33	8.67	29.03	Average Max	H	159	0	54.00	-24.97	Pass
6	4117.79	10.83	9.78	4.99	25.60	Average Max	V	320	262	54.00	-28.40	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)

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11n40 Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	05/08/2024
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 159	Test Result:	Pass

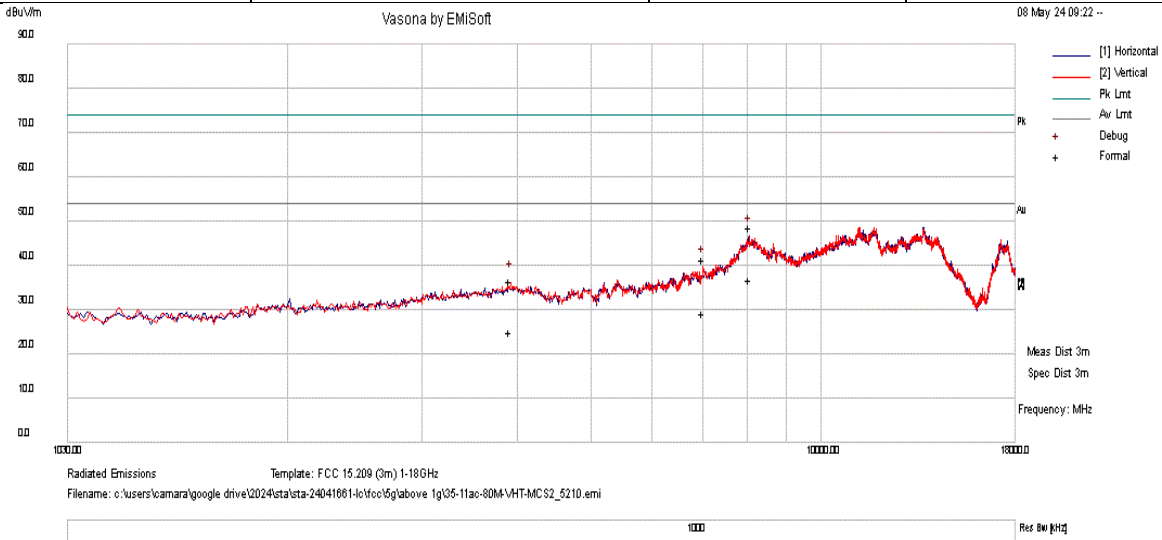


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	8060.05	18.67	14.24	15.80	48.71	Peak Max	H	173	191	74.00	-25.29	Pass
2	3863.44	25.61	9.34	5.51	40.46	Peak Max	V	100	82	74.00	-33.54	Pass
3	3565.20	23.31	8.37	4.44	36.12	Peak Max	H	100	156	74.00	-37.88	Pass
4	8060.05	6.76	14.24	15.80	36.80	Average Max	H	173	191	54.00	-17.20	Pass
5	3863.44	17.89	9.34	5.51	32.74	Average Max	V	100	82	54.00	-21.26	Pass
6	3565.20	11.35	8.37	4.44	24.16	Average Max	H	100	156	54.00	-29.84	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)

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11ac80 Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	05/08/2024
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 42	Test Result:	Pass

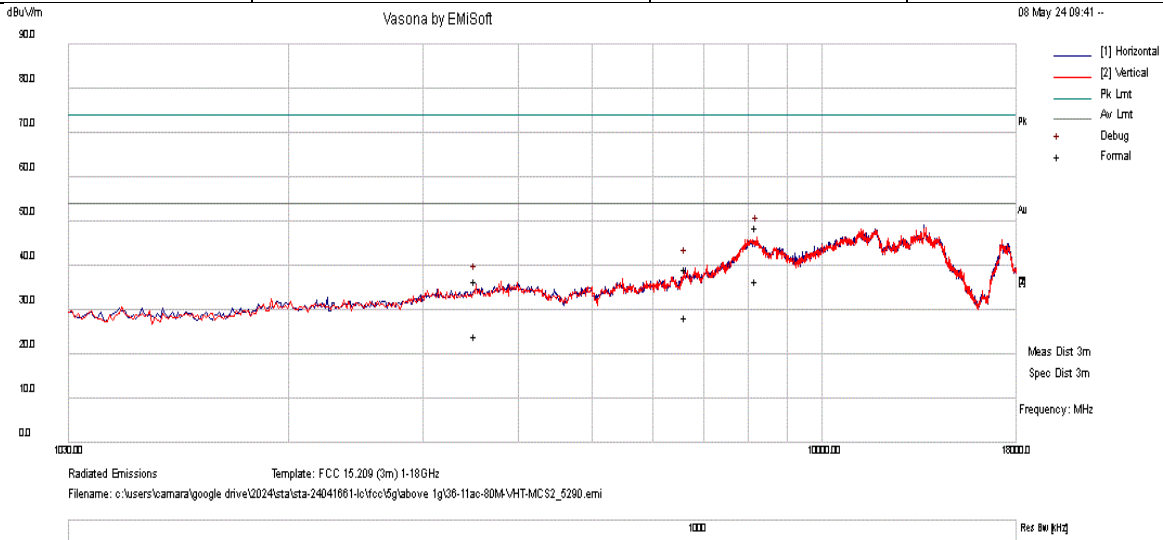


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	8062.14	18.48	14.24	15.80	48.52	Peak Max	V	308	266	74.00	-25.48	Pass
2	7014.14	19.71	12.61	9.01	41.33	Peak Max	V	309	189	74.00	-32.67	Pass
3	3923.35	21.38	9.61	5.47	36.46	Peak Max	V	227	136	74.00	-37.54	Pass
4	8062.14	6.87	14.24	15.80	36.91	Average Max	V	308	266	54.00	-17.09	Pass
5	7014.14	7.46	12.61	9.01	29.08	Average Max	V	309	189	54.00	-24.92	Pass
6	3923.35	9.95	9.61	5.47	25.03	Average Max	V	227	136	54.00	-28.97	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)

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11ac80 Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	05/08/2024
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 58	Test Result:	Pass

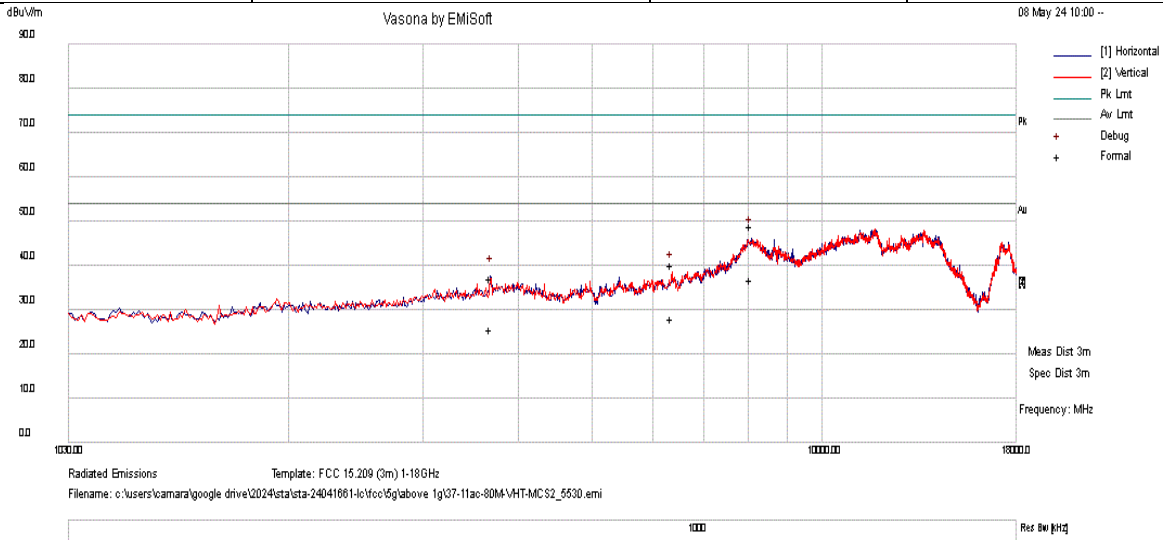


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	8219.63	18.80	14.17	15.61	48.58	Peak Max	V	176	0	74.00	-25.42	Pass
2	6630.20	19.39	12.13	7.80	39.32	Peak Max	H	267	137	74.00	-34.68	Pass
3	3522.37	24.02	8.26	4.26	36.54	Peak Max	H	172	222	74.00	-37.46	Pass
4	8219.63	6.64	14.17	15.61	36.42	Average Max	V	176	0	54.00	-17.58	Pass
5	6630.20	8.25	12.13	7.80	28.18	Average Max	H	267	137	54.00	-25.82	Pass
6	3522.37	11.59	8.26	4.26	24.11	Average Max	H	172	222	54.00	-29.89	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)

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11ac80 Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	05/08/2024
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 106	Test Result:	Pass

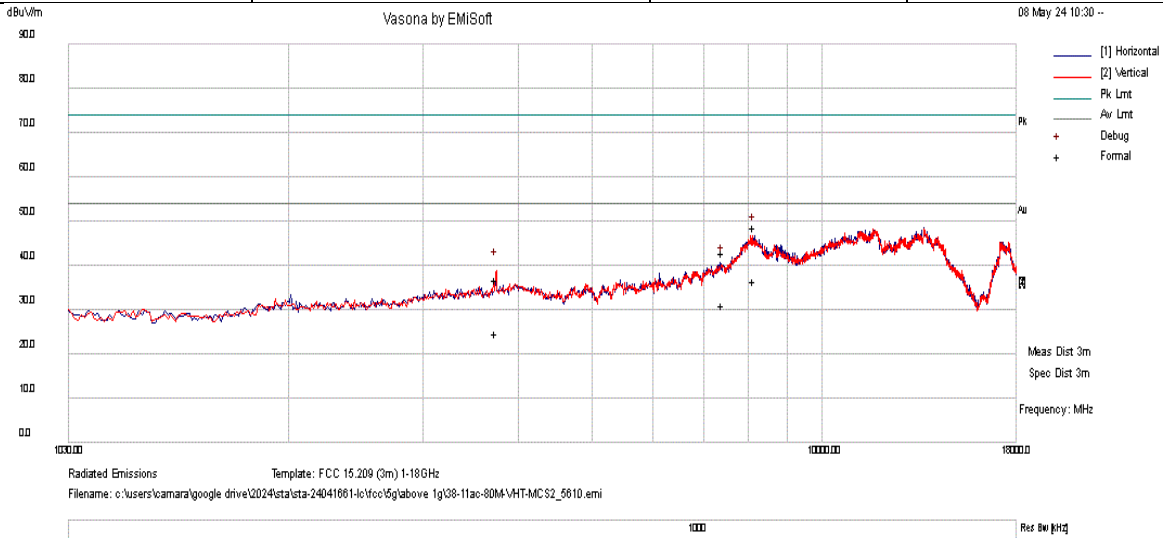


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	8084.83	18.97	14.23	15.75	48.95	Peak Max	H	117	256	74.00	-25.05	Pass
2	6364.28	21.32	12.04	6.78	40.14	Peak Max	V	224	330	74.00	-33.86	Pass
3	3686.94	23.76	8.66	4.72	37.14	Peak Max	H	180	0	74.00	-36.86	Pass
4	8084.83	6.76	14.23	15.75	36.74	Average Max	H	117	256	54.00	-17.26	Pass
5	6364.28	9.05	12.04	6.78	27.87	Average Max	V	224	330	54.00	-26.13	Pass
6	3686.94	12.28	8.66	4.72	25.66	Average Max	H	180	0	54.00	-28.34	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)

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11ac80 Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	05/08/2024
Antenna Type/Polarity:	Horn/Hor & Ver	Test Personnel:	Lining
Remark:	Ch 122	Test Result:	Pass

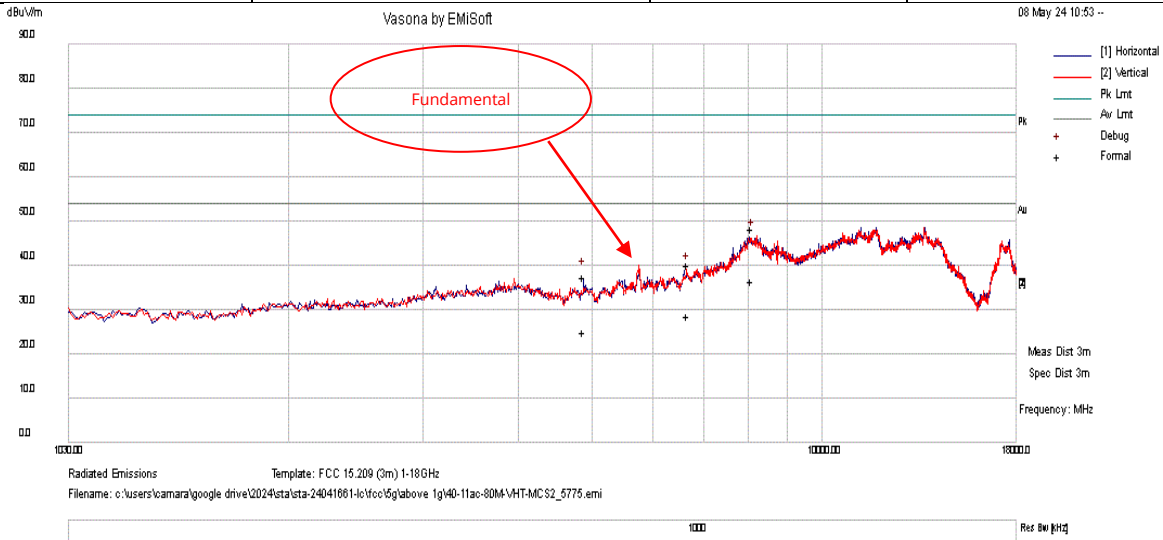


No.	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass/Fail
1	8158.01	18.82	14.20	15.63	48.65	Peak Max	H	216	343	74.00	-25.35	Pass
2	7426.47	19.86	13.15	9.97	42.98	Peak Max	H	395	0	74.00	-31.02	Pass
3	3743.44	23.17	8.79	4.97	36.93	Peak Max	V	270	251	74.00	-37.07	Pass
4	8158.01	6.80	14.20	15.63	36.63	Average Max	H	216	343	54.00	-17.37	Pass
5	7426.47	7.85	13.15	9.97	30.97	Average Max	H	395	0	54.00	-23.03	Pass
6	3743.44	10.90	8.79	4.97	24.66	Average Max	V	270	251	54.00	-29.34	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)

Test Standard:	15.209, 15.407, RSS-247	Mode:	802.11ac80 Mode
Frequency Range:	1 GHz - 18 GHz	Test Date:	05/08/2024
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	8113.56	18.30	14.22	15.70	48.22	Peak Max	H	170	103	74.00	-25.78	Pass
2	6669.44	20.19	12.08	7.95	40.22	Peak Max	V	130	202	74.00	-33.78	Pass
3	4879.98	22.08	9.29	5.87	37.24	Peak Max	H	308	348	74.00	-36.76	Pass
4	8113.56	6.59	14.22	15.70	36.51	Average Max	H	170	103	54.00	-17.49	Pass
5	6669.44	8.49	12.08	7.95	28.52	Average Max	V	130	202	54.00	-25.48	Pass
6	4879.98	9.71	9.29	5.87	24.87	Average Max	H	308	348	54.00	-29.13	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)

18GHz - 40GHz test result

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

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	10/18/2022	10/18/2024
Shielding Control Room	ETS-Lindgren	Series 81	VL006	N/A1)	N/A1)
Spectrum Analyzer	Keysight	N9020A	MY50110074	06/09/2023	06/09/2024
EMC Test Receiver	R&S	ESL6	100230	06/07/2023	06/07/2024
LISN (9KHz - 30MHz)	EMCO	3816/2	9705-1066	07/12/2023	07/12/2024
Bi-Log Antenna	ETS-Lindgren	3142E	217921	07/19/2023	07/19/2024
Horn Antenna (1-18GHz)	Electro-Metrics	EM-6961	6292	07/21/2023	07/21/2024
Horn Antenna (18-40GHz)	Com-Power	AH-840	101109	07/21/2023	07/21/2024
Preamplifier	RF Bay, Inc.	LPA-10-20	11180621	07/16/2023	07/16/2024
Temp / Humidity / Pressure Meter	PCE Instruments	PCE-THB 40	R062028	06/07/2023	06/07/2024
RF Attenuator	Pasternack	PE7005-3	VL061	07/16/2023	07/16/2024
Preamplifier 100KHz - 40GHz	Aeroflex	33711-392-77150-11	064	07/16/2023	07/16/2024
EM Center Control	ETS-Lindgren	7006-001	160136	N/A1)	N/A1)
Turn Table	ETS-Lindgren	2181-3.03	VL002	N/A1)	N/A1)
Boresight Antenna Tower	ETS-Lindgren	2171B	VL003	N/A1)	N/A1)
Loop Antenna (9k-30MHz)	Com-Power	AL-130	121012	06/09/2023	06/09/2024
RE test cable (below 6GHz)	Vista	RE-6GHz-01	RE-6GHz-01	07/16/2023	07/16/2024
RE test cable (1-18GHz)	PhaseTrack	II-240	RE-18GHz-01	07/16/2023	07/16/2024
RE test cable (>18GHz)	Sucoflex	104	344903/4	07/16/2023	07/16/2024
Pulse limiter	Com-Power	LIT-930A	531727	07/16/2023	07/16/2024
CE test cable #1	FIRST RF	FRF-C-1002-001	CE-6GHz-01	07/16/2023	07/16/2024
CE test cable#2	FIRST RF	FRF-C-1002-001	CE-6GHz-02	07/16/2023	07/16/2024
USB RF Power Sensor	ETS-Lindgren	7002-006	SN 00151268	06/07/2023	06/07/2024
Agilent Signal Generator	MXG N5182A	N5182A	US47080548	06/07/2023	06/07/2024
Power Splitter/Combiner	Mini-Circuits	ZFSC-2-9G+	VL052	N/A1)	N/A1)
Power Splitter/Combiner	Mini-Circuits	ZFSC-2-9G+	VL053	N/A1)	N/A1)
Power Splitter/Combiner	Mini-Circuits	ZFSC-2-9G+	VL054	N/A1)	N/A1)
Power Splitter/Combiner	Mini-Circuits	ZFSC-2-9G+	VL055	N/A1)	N/A1)

Note:

- 1) This equipment is not for measurement purpose and only require functional verification. Calibration is not required.

---END---