

CERTIFICATION TEST REPORT

Report Number. : 4791082054-E6V2

Applicant : SAMSUNG ELECTRONICS CO., LTD.
129 SAMSUNG-RO, YEONGTONG-GU, SUWON-SI,
GYEONGGI-DO, 16677, KOREA

Model : SM-A556E, SM-A556E/DS

FCC ID : A3LSMA556E

EUT Description : GSM/WCDMA/LTE/5G NR Phone + BT/BLE, DTS/UNII a/b/g/n/ac/ax,
and NFC

Test Standard(s) : FCC 47 CFR PART 15 SUBPART C

Date Of Issue:

2024-01-18

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Revision History

<u>Rev.</u>	<u>Issue Date</u>	<u>Revisions</u>	<u>Revised By</u>
V1	2024-01-12	Initial issue	Dexter(Hyunsik) Yun
V2	2024-01-18	Updated to address TCB's question	Dexter(Hyunsik) Yun

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: SAMSUNG ELECTRONICS CO., LTD.

EUT DESCRIPTION: GSM/WCDMA/LTE/5G NR Phone + BT/BLE, DTS/UNII a/b/g/n/ac/ax, and NFC

MODEL NUMBER: SM-A556E, SM-A556E/DS

SERIAL NUMBER: 7ab3c3a5dc2c7ece, 7ab406b5152c7ece, 7ab40a900e2c7ece (CONDUCTED); R3CWB0A1BAL, R3CWB0FCVHD, R3CWB0A1AYP, R3CWB0A1A3B, R3CWB0A1DBF, R3CWB0A14XD, R3CWB0A14WV (RADIATED);

DATE TESTED: 2023-11-24 ~ 2024-01-12

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
47 CFR Part 15 Subpart C	Complies

UL KOREA LTD. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by UL KOREA LTD. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by UL KOREA LTD. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL KOREA LTD. will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by IAS, any agency of the Federal Government, or any agency of any government.

Approved & Released For
UL KOREA LTD. By:



Seokhwan Hong
Suwon Lab Engineer
UL KOREA LTD.

Tested By:



Dexter(Hyunsik) Yun
Suwon Lab Engineer
UL KOREA LTD.

2. TEST METHODOLOGY

1. FCC 47 CFR Part 2.
2. FCC 47 CFR Part 15.
3. KDB 558074 D01 15.247 Meas Guidance v05r02.
4. ANSI C63.10-2013.

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 218 Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16675, Korea. Line conducted emissions are measured only at the 218 address. The following table identifies which facilities were utilized for radiated emission measurements documented in this report. Specific facilities are also identified in the test results sections.

218 Maeyeong-ro	
<input checked="" type="checkbox"/>	Chamber 1(3m semi-anechoic chamber)
<input checked="" type="checkbox"/>	Chamber 2(3m semi-anechoic chamber)
<input checked="" type="checkbox"/>	Chamber 3(3m semi-anechoic chamber)
<input type="checkbox"/>	Chamber 4(3m Full-anechoic chamber)
<input type="checkbox"/>	Chamber 5(3m Full-anechoic chamber)

UL KOREA LTD. is accredited by IAS, Laboratory Code TL-637. The full scope of accreditation can be viewed at <https://www.iasonline.org/wp-content/uploads/2017/05/TL-637-cert-New.pdf>.

4. DECISION RULES AND MEASUREMENT UNCERTAINTY

4.1. METROLOGICAL TRACEABILITY

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

4.2. SAMPLE CALCULATION

Where relevant, the following sample calculation is provided:

$$\begin{aligned} \text{Field Strength (dBuV/m)} &= \text{Measured Voltage (dBuV)} + \text{Antenna Factor (dB/m)} + \\ &\text{Cable Loss (dB)} - \text{Preamp Gain (dB)} \\ 28.9 \text{ dBuV/m} &= 36.5 \text{ dBuV} + 18.7 \text{ dB/m} + 0.6 \text{ dB} - 26.9 \text{ dB} \end{aligned}$$

$$\begin{aligned} \text{AC Corrected Reading (dBuV)} &= \text{Measured Voltage (dBuV)} + \text{Extension Cord} \\ &\text{Loss (dB)} + \text{Cable Loss (dB)} \\ 44.72 \text{ dBuV} &= 34.72 \text{ dBuV} + 9.9 \text{ dB} + 0.1 \text{ dB} \end{aligned}$$

4.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

PARAMETER	UNCERTAINTY
Conducted Disturbance, 0.15 to 30 MHz	2.80 dB
Radiated Disturbance, 30 MHz to 1 GHz	3.92 dB
Radiated Disturbance, 1 GHz to 18 GHz	5.06 dB
Radiated Disturbance, 18 GHz to 40 GHz	6.02 dB

Uncertainty figures are valid to a confidence level of 95%.

4.4. DECISION RULES

Decision rule for statement(s) of conformity is based on Procedure 2, Clause 4.4.3 in IEC Guide 115:2021.

5. EQUIPMENT UNDER TEST

5.1. EUT DESCRIPTION

The EUT is a GSM/WCDMA/LTE/5G NR Phone + BT/BLE, DTS/UNII a/b/g/n/ac/ax, and NFC. This test report addresses the DTS (BLE) operational mode.

Representative model	Difference	Derivative model
		SM-A556E/DS
SM-A556E	Hardware	Different SIM tray SM-A556E/DS has dual sim tray
	Software	Same as SM-A556E

Thus, SM-A556E was set for final test.

5.2. MAXIMUM OUTPUT POWER

The transmitter has a maximum peak conducted output power as follows:

Frequency Range[MHz]	Mode	Power Mode	Output Power [dBm]	Output Power [mW]
2 402 ~ 2 480	1 Mbps (255 pkt)	Peak	15.370	34.435
		Average	14.997	31.601
	2Mbps (255 pkt)	Peak	15.450	35.075
		Average	14.905	30.939

5.3. DESCRIPTION OF AVAILABLE ANTENNAS

An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can 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 internal antenna was Permanently attached.
Therefore this E.U.T Complies with the requirement of §15.203.**

The radio utilizes a internal antenna, with a maximum gain of: -6.97 dBi

“BT/WIFI #1_2.4GHz, 5GHz (SUB4)” as indicated in antenna specification are written as ANT1 in this report.

5.4. WORST-CASE CONFIGURATION AND MODE

The fundamentals of the EUT were investigated in three orthogonal orientations X, Y and Z. It was determined that below table's orientation was the worst-case orientation.

ANT1
X

Radiated and power line conducted tests were performed with EUT connected to AC power adapter as the worst-case configuration. Radiated harmonics spurious 1~18 GHz Low/Mid/High channels, 18-26GHz were performed with the EUT set at the 1Tx mode. Radiated emission below 1GHz and power line conducted emission were performed with the EUT set to transmit at the channel with highest output power as worst-case scenario.

For Radiated band-edge and spurious test, tests were performed on 1Tx mode.

Due to modulation characteristics, 125 kbps data is worse than 1Mbps in the RBW 3kHz PSD setting. However, based on the RBW (1MHz) when measuring radiated spurious, the PSD of 1Mbps is higher, so 1Mbps was selected as the worst case to suit the radiation test environment.

For 6 dB bandwidth, 125 kbps 6dB bandwidth was measured(for PSD span setting purpose).

All radiated and power line conducted tests were performed attached with travel adapter for the worst-case condition mode.

Power verification

The Output Power of all data rate are all investigated, the 1 Mbps(255 pkt) and 2 Mbps(255 pkt) power is the worst case for symbol rate. All tests were performed in these two modes.

Symbol Rate [Ms/s]	Mode	Freq. [MHz]	Conducted Burst Avg [dBm]	Symbol Rate [Ms/s]	Mode	Freq. [MHz]	Conducted Burst Avg [dBm]
1	1 Mbps 37 pkt ANT1	2 402	14.996	2	2 Mbps 37 pkt ANT1	2 402	14.759
		2 440	14.865			2 440	14.774
		2 480	14.789			2 480	14.740
	1 Mbps 255 pkt ANT1	2 402	14.997		2 Mbps 255 pkt ANT1	2 402	14.905
		2 440	14.771			2 440	14.754
		2 480	14.652			2 480	14.650
1 Coded S=8	125 kbps 37 pkt ANT1	2 402	13.198	1 Coded S=2	500 kbps 37 pkt ANT1	2 402	13.172
		2 440	11.831			2 440	11.850
		2 480	13.549			2 480	13.597
	125 kbps 255 pkt ANT1	2 402	13.179		500 kbps 255 pkt ANT1	2 402	13.180
		2 440	11.669			2 440	11.713
		2 480	13.360			2 480	13.355

5.5. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacturer	Model	Serial Number	FCC ID
Charger	SAMSUNG	EP-TA800	R37W61WENTASEA	N/A
Data Cable	SAMSUNG	EP-DN980	GH39-02117A	N/A

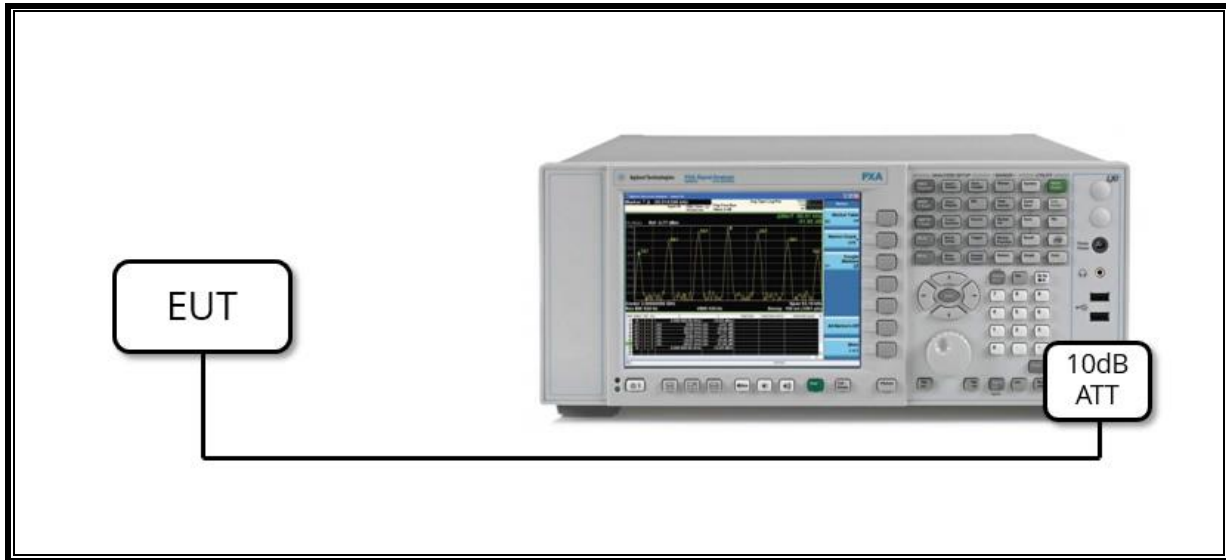
I/O CABLE

I/O Cable List						
Cable No.	Port	# of identical ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	DC Power	1	C Type	Shielded	1.0 m	N/A

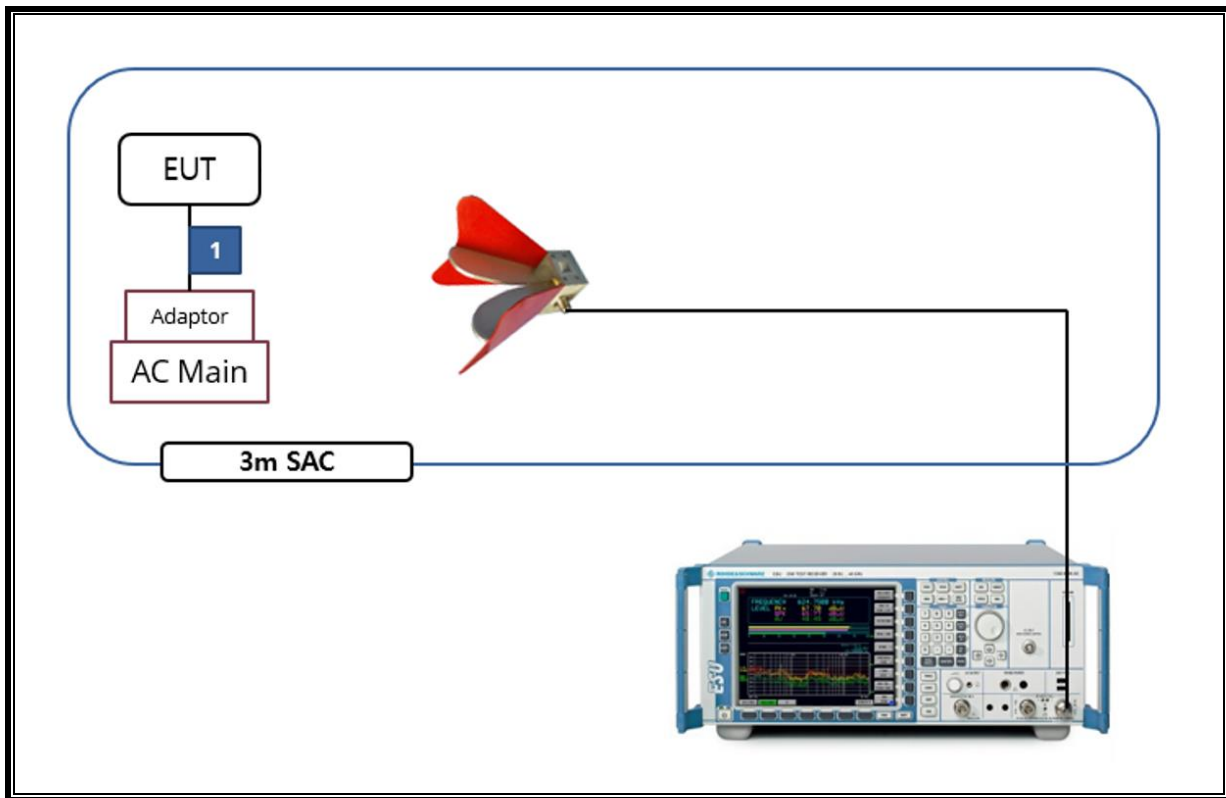
TEST SETUP

The EUT is a stand-alone unit during the tests.
 Test software in hidden menu exercised the EUT to enable BLE mode.

SETUP DIAGRAM FOR TESTS (CONDUCTED TEST SETUP)



SETUP DIAGRAM FOR TESTS (RADIATED TEST SETUP)



6. MEASUREMENT METHOD

6 dB BW : ANSI C63.10-2013, Section 11.8.2 Option 2

OUTPUT POWER : ANSI C63.10-2013, Section 11.9.1.1 RBW \geq DTS bandwidth

POWER SPECTRAL DENSITY : ANSI C63.10-2013, Section 11.10.2 Method PKPSD (peak PSD)

Out-of-band Emissions (Conducted) : ANSI C63.10-2013, Section 11.11 Emissions in nonrestricted frequency bands

Out-of-band Emissions in Non-restricted Bands: ANSI C63.10-2013, Section 11.11 Emissions in nonrestricted frequency bands

Out-of-band Emissions in Restricted Bands: ANSI C63.10-2013, Section 11.12 Emissions in restricted frequency bands and Section 11.13 Band-edge measurements

AC Power Line Conducted Emission : ANSI C63.10-2013, Section 6.2

7. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

Test Equipment List				
Description	Manufacturer	Model	S/N	Cal Due
Antenna, Bilog, 30MHz-1GHz	SCHWARZBECK	VULB9163	750	2024-08-15
Antenna, Horn, 18 GHz	ETS	3117	00168717	2024-08-21
Antenna, Horn, 40 GHz	ETS	3116C	00166155	2024-08-02
Preamplifier	ETS	3116C-PA	00168841	2024-07-25
Preamplifier, 1000 MHz	Sonoma	310N	341282	2024-07-24
Preamplifier, 18 GHz	Miteq	AFS42-00101800-25-S-42	2029169	2024-07-24
Spectrum Analyzer, 44 GHz	Agilent / HP	N9030A	MY54170614	2024-07-25
Spectrum Analyzer, 44 GHz	Agilent / HP	N9030A	MY54490312	2024-07-24
Spectrum Analyzer, 44 GHz	KEYSIGHT	N9040B	MY60080268	2025-01-03
Average Power Sensor	Agilent / HP	U2000A	MY54270007	2024-07-23
Average Power Sensor	Agilent / HP	U2000A	MY54260010	2024-07-24
Attenuator	PASTERNAK	PE7087-10	A001	2024-07-23
Attenuator	PASTERNAK	PE7087-10	A008	2024-07-27
EMI Test Receive, 40 GHz	R&S	ESU40	100439	2024-07-23
EMI Test Receive, 40 GHz	R&S	ESU40	100457	2024-07-24
EMI Test Receive, 3 GHz	R&S	ESR3	101832	2024-07-23
Low Pass Filter 5GHz	Micro-Tronics	LPS17541	009	2024-07-23
High Pass Filter 3GHz	Micro-Tronics	HPM17543	010	2024-07-23
High Pass Filter 6GHz	Micro-Tronics	HPS17542	021	2024-07-24
LISN	R&S	ENV-216	101837	2024-07-23
Antenna, Loop, 9kHz-30MHz	R&S	HFH2-Z2	100418	2025-09-06
UL Software				
Description	Manufacturer	Model	Version	
Radiated software	UL	UL EMC	Ver 9.5	
AC Line Conducted software	UL	UL EMC	Ver 9.5	

8. TEST RESULTS SUMMARY

FCC Part Section	Test Description	Test Limit	Test Condition	Test Result
15.247 (a)(2)	Occupied Bandwidth(6dB)	> 500kHz	Conducted	Complies
2.1051, 15.247(d)	Band Edge / Conducted Spurious Emission	-20 dBc		Complies
15.247 (b)(3)	TX conducted output power	< 30 dBm		Complies
15.247(e)	PSD	< 8 dBm/3kHz		Complies
15.207(a)	AC Power Line conducted emissions	Section 11	Power Line conducted	Complies
15.205, 15.209	Radiated Spurious Emission	< 54dBuV/m(Av)	Radiated	Complies

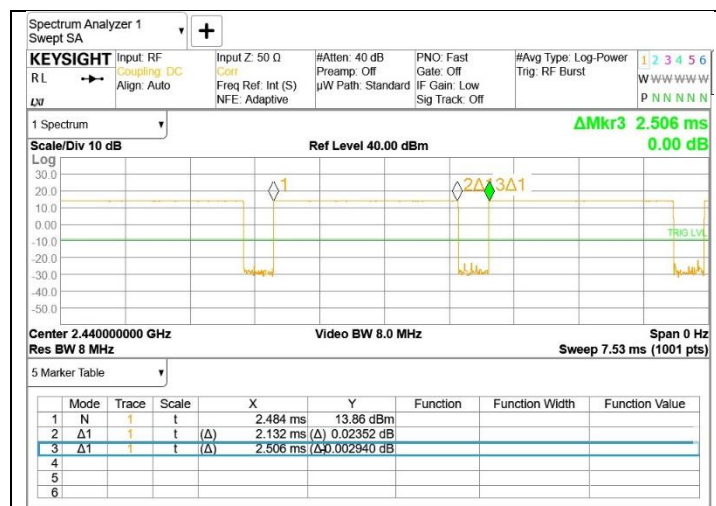
9. ANTENNA PORT TEST RESULTS

9.1. ON TIME AND DUTY CYCLE

LIMITS

None; for reporting purposes only.

Mode	On time [msec]	Period [msec]	Duty cycle x [Linear]	Duty Cycle [%]	Duty Cycle Correction Factor [dB]	1/T Minimum VBW [kHz]
2 400 ~ 2 483.5 MHz Bands						
1 Mbps [255 pkt]	2.132	2.506	0.851	85.076	0.70	0.47
2 Mbps [255 pkt]	1.077	1.876	0.574	57.409	2.41	0.93



1 Mbps (255 pkt)



2 Mbps (255 pkt)

9.2. 6 dB BANDWIDTH

LIMITS

FCC §15.247 (a) (2)

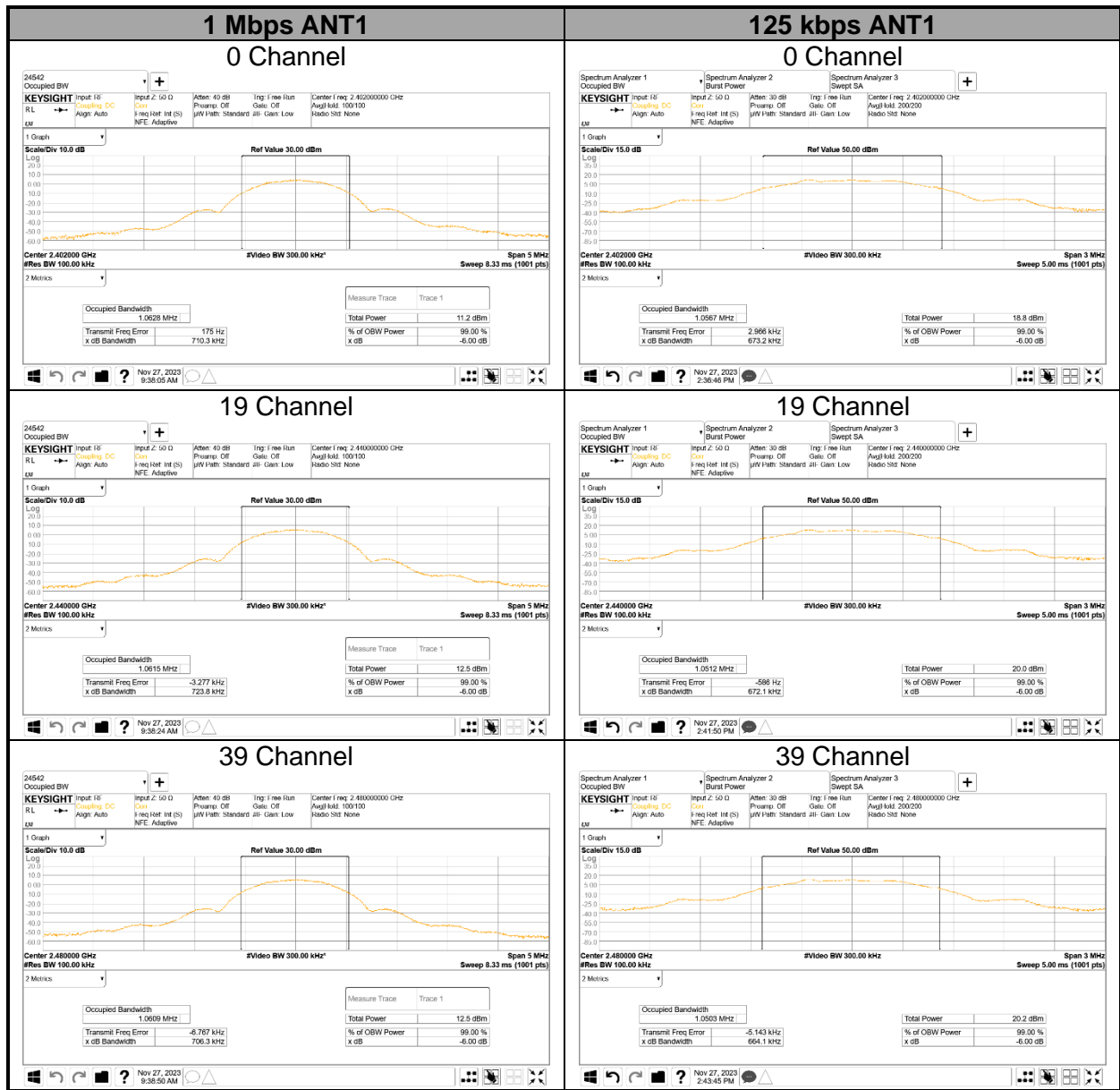
The minimum 6 dB bandwidth shall be at least 500 kHz.

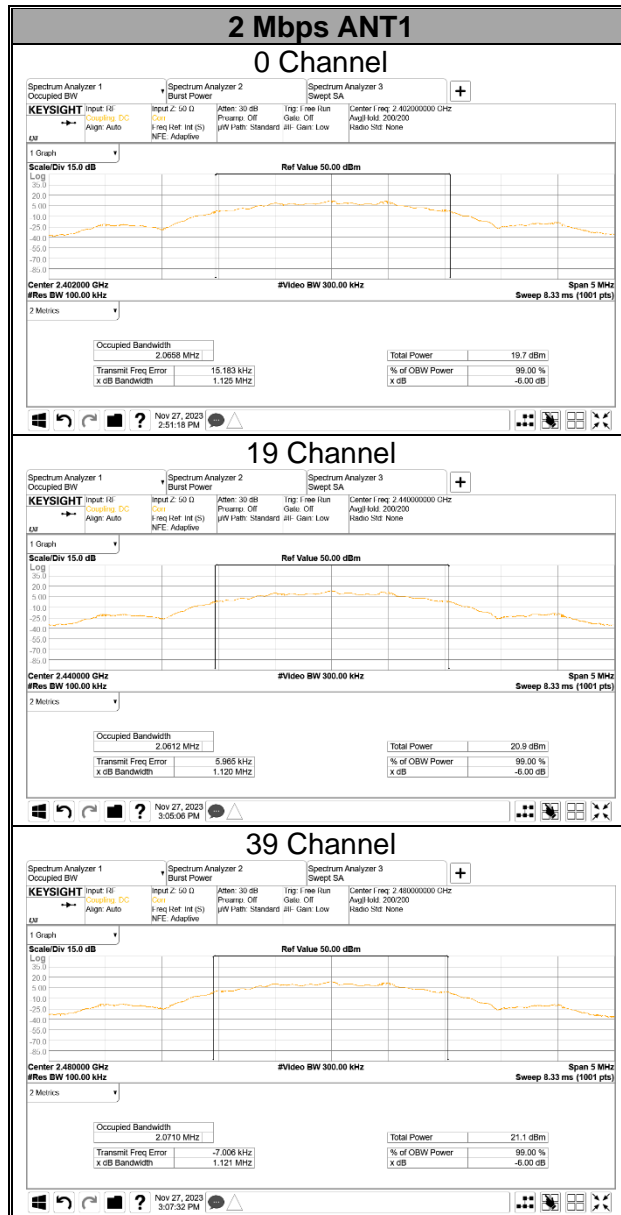
RESULTS

9.2.1. Test data

Mode	Antenna	Channel	Frequency [MHz]	6 dB Bandwidth [kHz]	Minimum Limit [kHz]
1 Mbps (255 pkt)	ANT1	0	2 402	710.3	500.0
		19	2 440	723.8	
		39	2 480	706.3	
125 kbps (255 pkt)		0	2 402	673.2	
		19	2 440	672.1	
		39	2 480	664.1	
2 Mbps (255 pkt)		0	2 402	1 125.0	
		19	2 440	1 120.0	
		39	2 480	1 121.0	
Worst				664.1	500.0

9.2.2. 6 dB BANDWIDTH PLOTS





9.3. OUTPUT POWER

LIMITS

FCC §15.247 (b) (3)

The maximum antenna gain is less than or equal to 6 dBi, therefore the limit is 30 dBm.

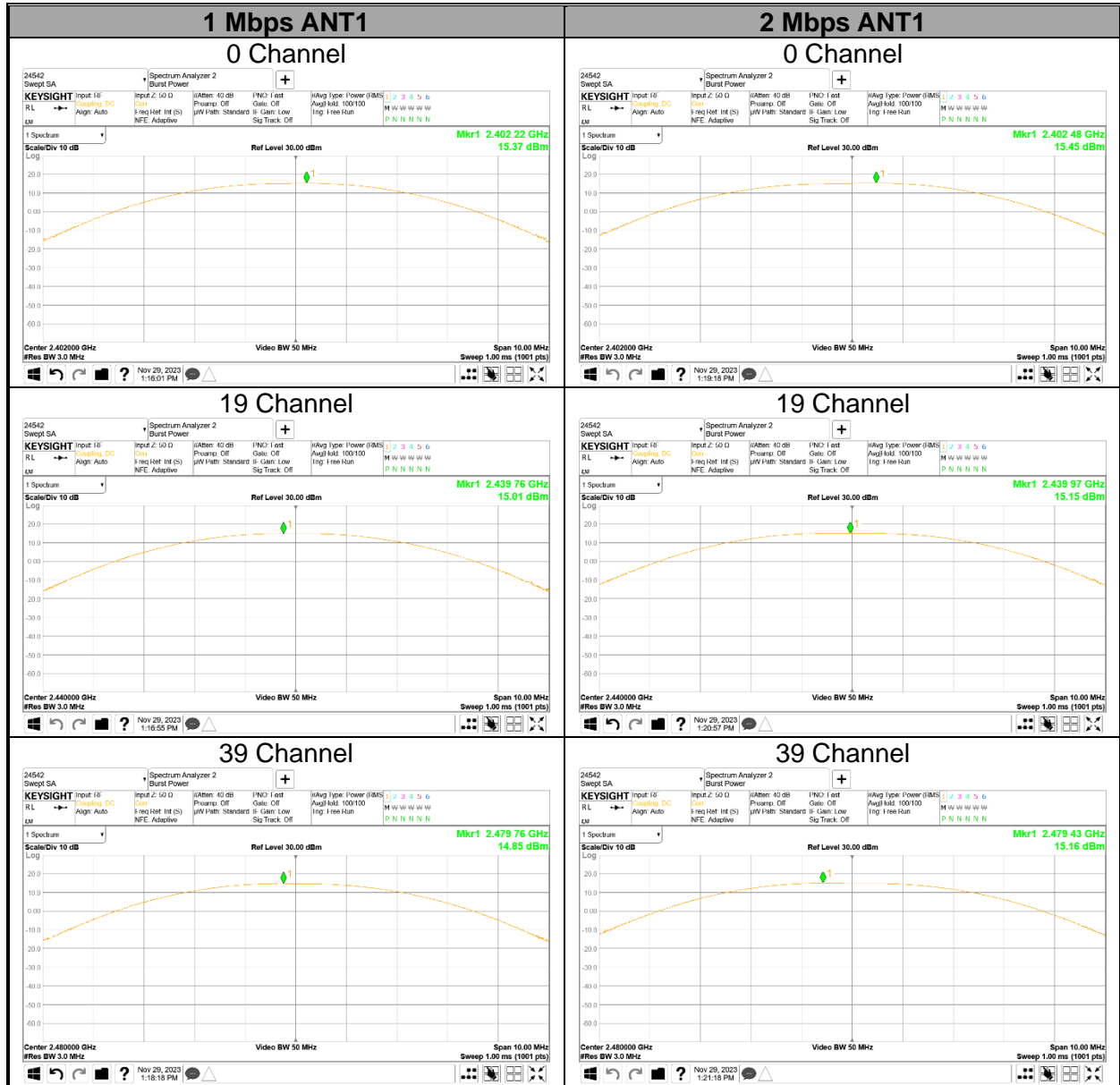
TEST PROCEDURE

Peak power is measured using ANSI C63.10(2013) under section 11.9.1.1 utilizing spectrum analyzer(RBW \cong DTS bandwidth).

RESULTS

Mode	Antenna	Channel	Frequency [MHz]	Peak Output Power [dBm]	Limit [dBm]	Margin [dB]
1 Mbps (255 pkt)	ANT1	0	2 402	15.37	30.000	-14.63
		19	2 440	15.01		-14.99
		39	2 480	14.85		-15.15
2 Mbps (255 pkt)		0	2 402	15.45		-14.55
		19	2 440	15.15		-14.85
		39	2 480	15.16		-14.84
Worst				15.45		-14.55

9.3.1. PEAK POWER PLOTS



9.4. AVERAGE POWER

LIMITS

None; for reporting purposes only.

TEST PROCEDURE

Measurements perform using a wideband RF frame average power sensor. The cable assembly insertion loss and duty cycle correction factor were entered as an offset in the power meter to allow for direct reading of power.

RESULTS

Mode	Antenna	Channel	Frequency [MHz]	Average Output Power [dBm]	Average Output Power [mW]
1 Mbps (255 pkt)	ANT1	0	2 402	14.997	31.601
		19	2 440	14.771	29.999
		39	2 480	14.652	29.188
2 Mbps (255 pkt)		0	2 402	14.905	30.939
		19	2 440	14.754	29.881
		39	2 480	14.650	29.174

9.5. POWER SPECTRAL DENSITY

LIMITS

FCC §15.247 (e)

The power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

TEST PROCEDURE

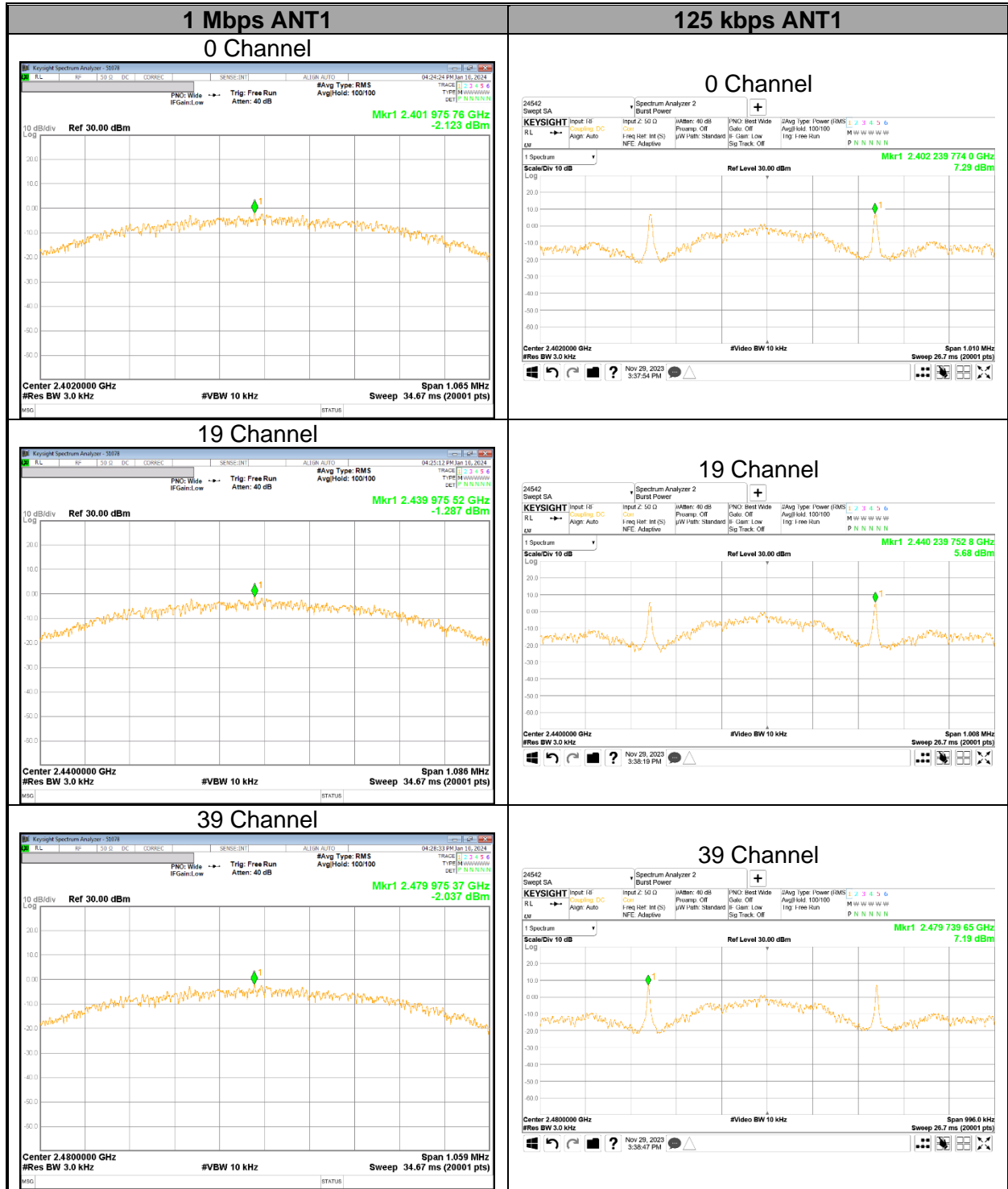
ANSI C63.10-2013, Section 11.10.2 Method PKPSD (peak PSD)

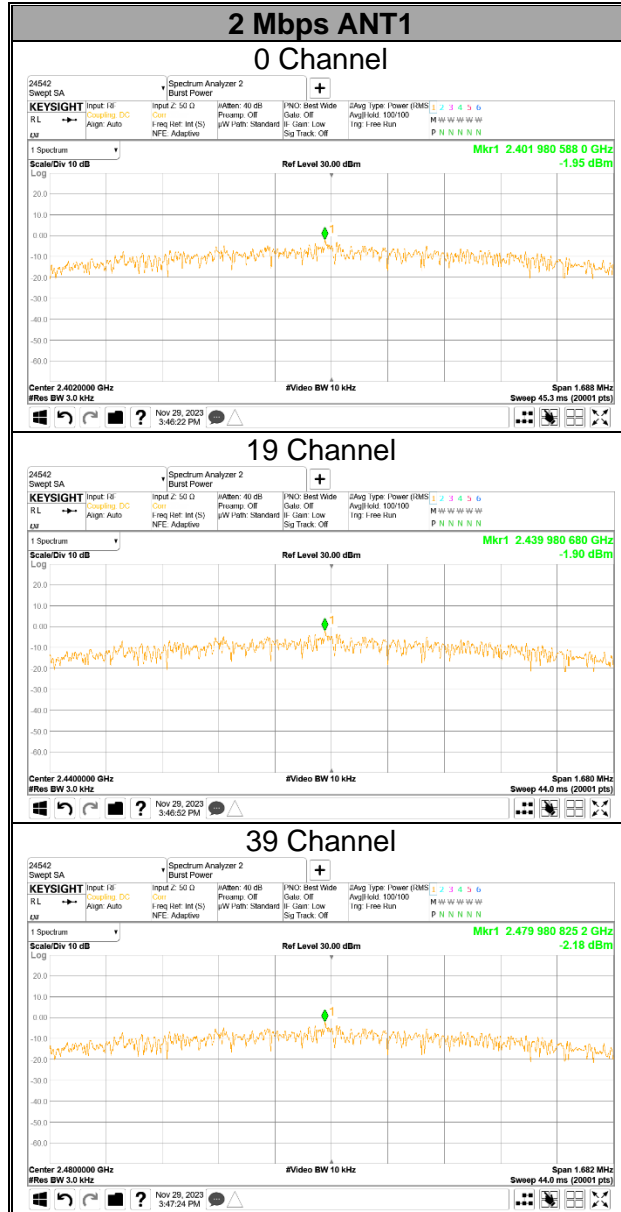
RESULTS

9.5.1. Test data

Mode	Antenna	Channel	Frequency [MHz]	PSD [dBm/3kHz]	Limit [dBm/3kHz]	Margin [dB]
1 Mbps (255 pkt)	ANT1	0	2 402	-2.12	8.00	-10.12
		19	2 440	-1.29		-9.29
		39	2 480	-2.04		-10.04
125 kbps (255 pkt)		0	2 402	7.29		-0.71
		19	2 440	5.68		-2.32
		39	2 480	7.19		-0.81
2 Mbps (255 pkt)		0	2 402	-1.95		-9.95
		19	2 440	-1.90		-9.90
		39	2 480	-2.18		-10.18
Worst				7.29		-0.71

9.5.2. PSD TEST PLOTS





9.6. CONDUCTED SPURIOUS EMISSIONS

LIMITS

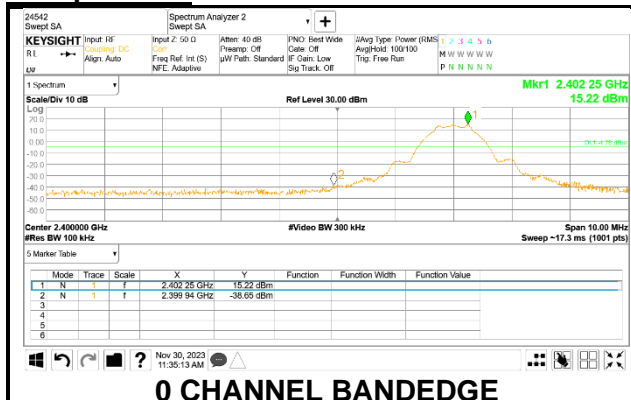
FCC §15.247 (d)

Output power was measured based on the use of a peak measurement.
Therefore, spurious emissions are required to be 20 dBc.

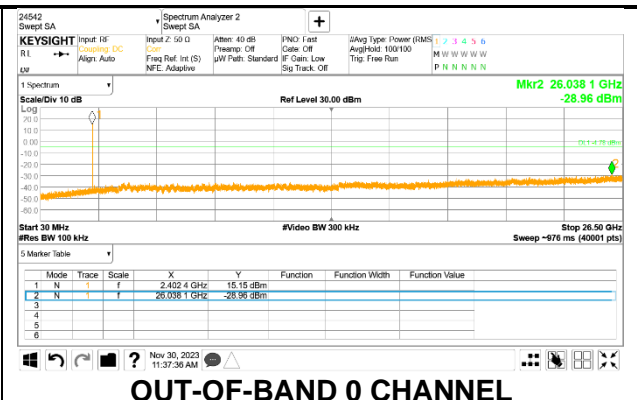
RESULTS

9.6.1. Test plot

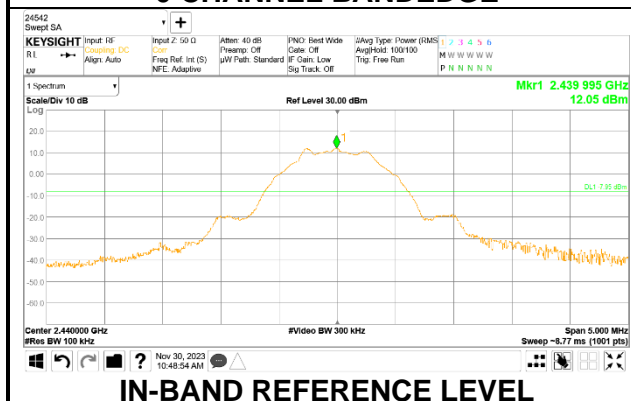
1 Mbps ANT1



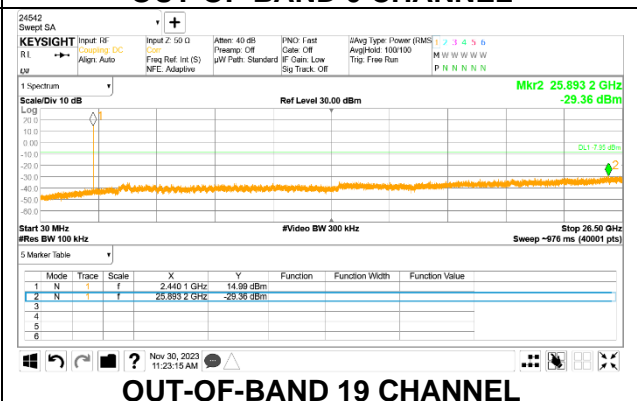
0 CHANNEL BANDEDGE



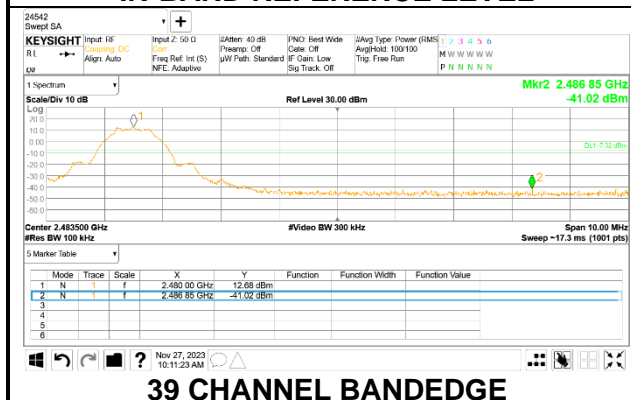
OUT-OF-BAND 0 CHANNEL



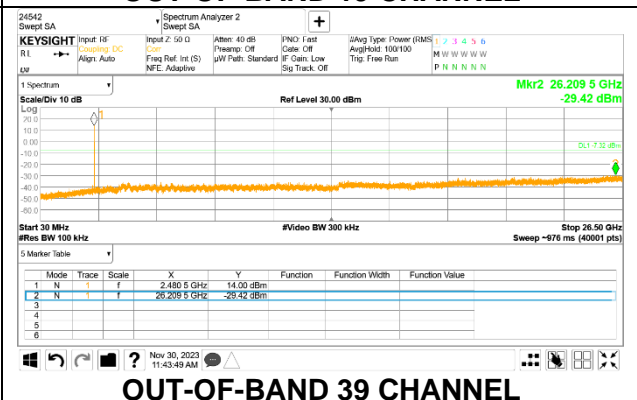
IN-BAND REFERENCE LEVEL



OUT-OF-BAND 19 CHANNEL

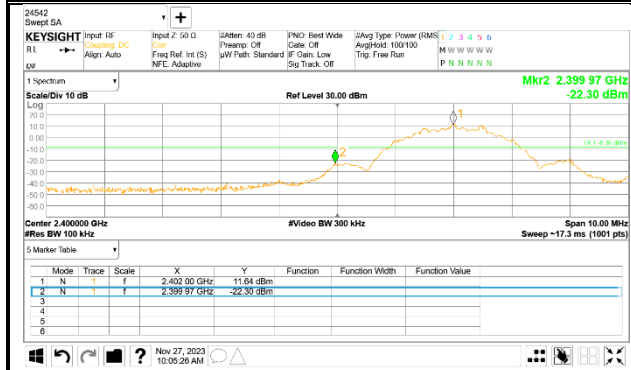


39 CHANNEL BANDEDGE

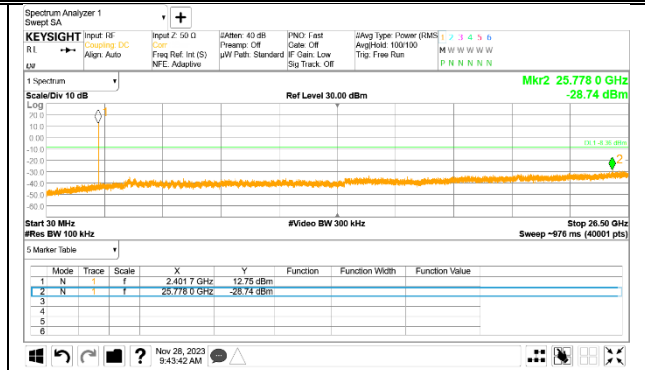


OUT-OF-BAND 39 CHANNEL

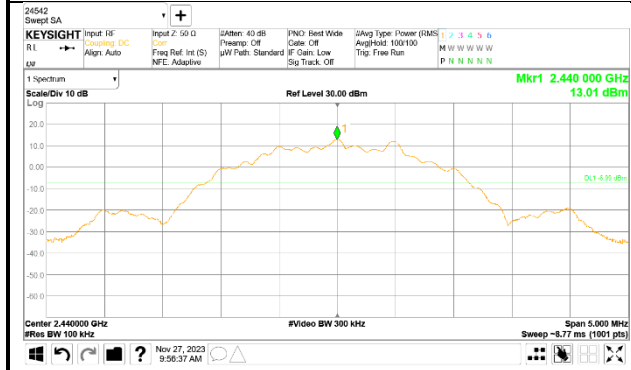
2 Mbps ANT1



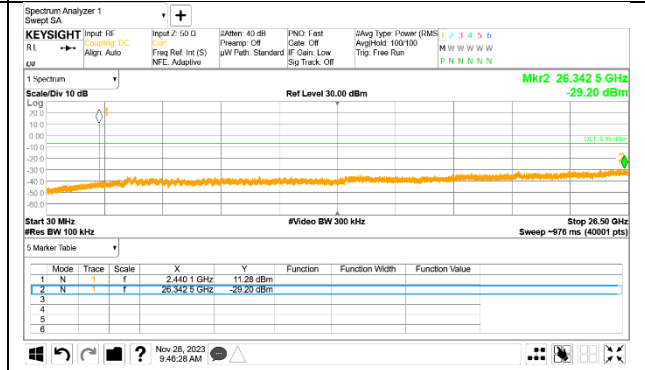
0 CHANNEL BANDEGE



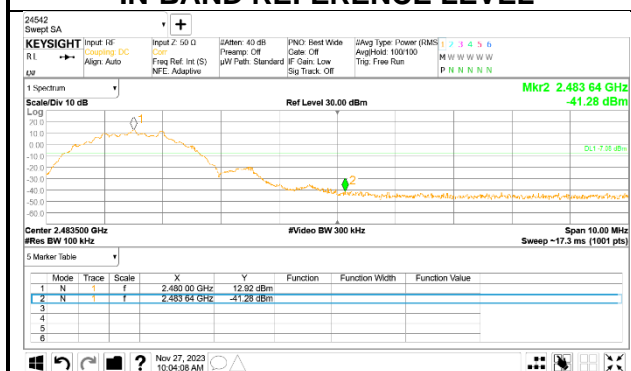
OUT-OF-BAND 0 CHANNEL



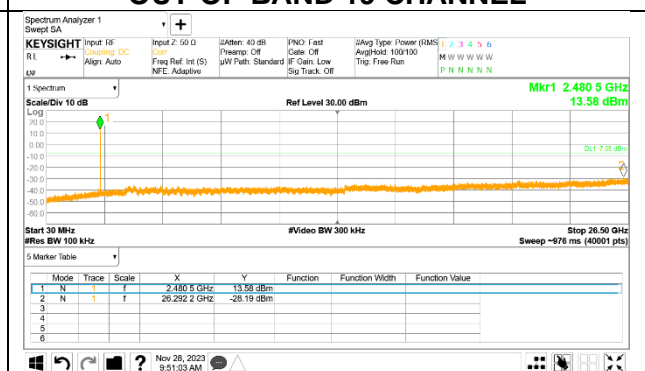
IN-BAND REFERENCE LEVEL



OUT-OF-BAND 19 CHANNEL



39 CHANNEL BANDEGE



OUT-OF-BAND 39 CHANNEL

10. RADIATED TEST RESULTS

10.1. LIMITS AND PROCEDURE

LIMITS

FCC §15.205 and §15.209

Limits for radiated disturbance of an intentional radiator		
Frequency range (MHz)	Limits ($\mu\text{V}/\text{m}$)	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

** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g. §§ 15.231 and 15.241.

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for below 1GHz and 150 cm for above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and add duty cycle factor for average measurements. (Restricted band-edge, Final detection of spurious harmonic emissions)
Duty cycle factor = $10 \log(1/x)$. For this sample: For 1 Mbps, DCF = $10\log(1/0.851)=0.702$ dB (Spectrum Analyzer round it up to 0.70 dB) and for 2 Mbps, DCF = $10\log(1/0.574)=2.410$ dB (Spectrum Analyzer round it up to 2.41 dB).

Pre-scans to detect harmonic and spurious emissions, the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 kHz for peak measurements.

The spectrum from 1 GHz to 26 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in the 2.4 GHz band.
(From 30MHz to 1GHz, test was performed with the EUT set to transmit at the channel with highest output power)

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

Note : Emission was pre-scanned from 9kHz to 30MHz; No emissions were detected which was at least 20dB below the specification limit (consider distance correction factor).
Per FCC part 15.31(o), test results were not reported.

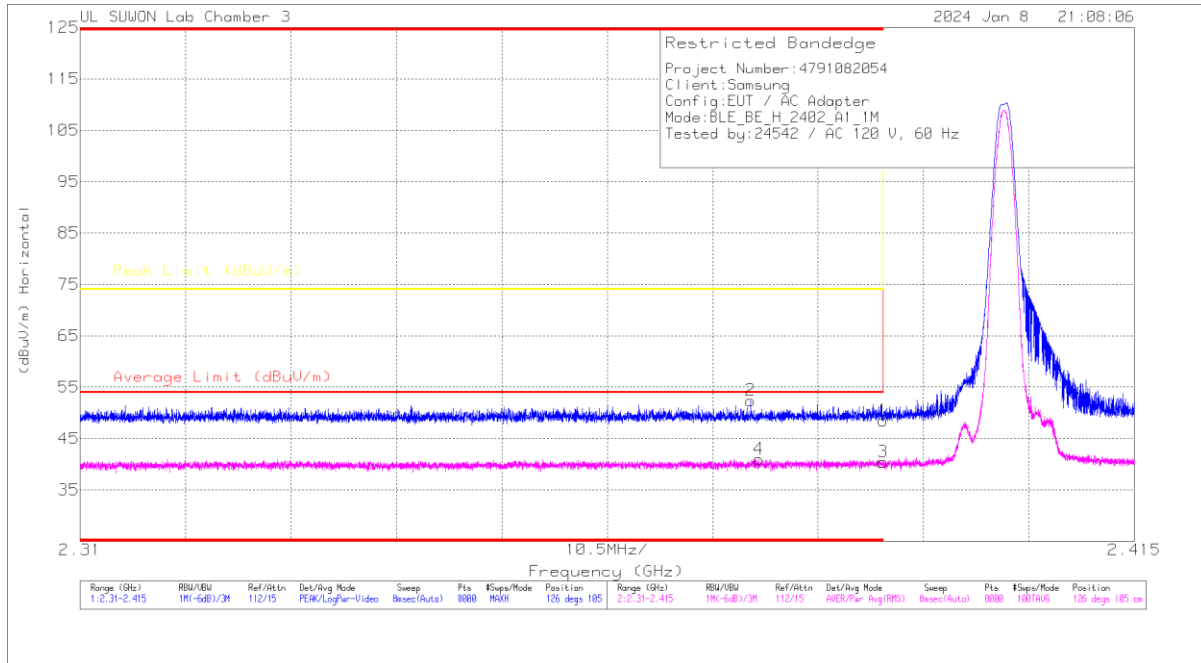
Although these tests were performed other than open field test site, adequate comparison measurements were confirmed against 30 m open are test site.
Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the one of tests made in an open field based on KDB 414788.

10.2. TRANSMITTER ABOVE 1 GHz

10.2.1. 1 Mbps ANT1

BANDEDGE (0 CHANNEL)

HORIZONTAL RESULT

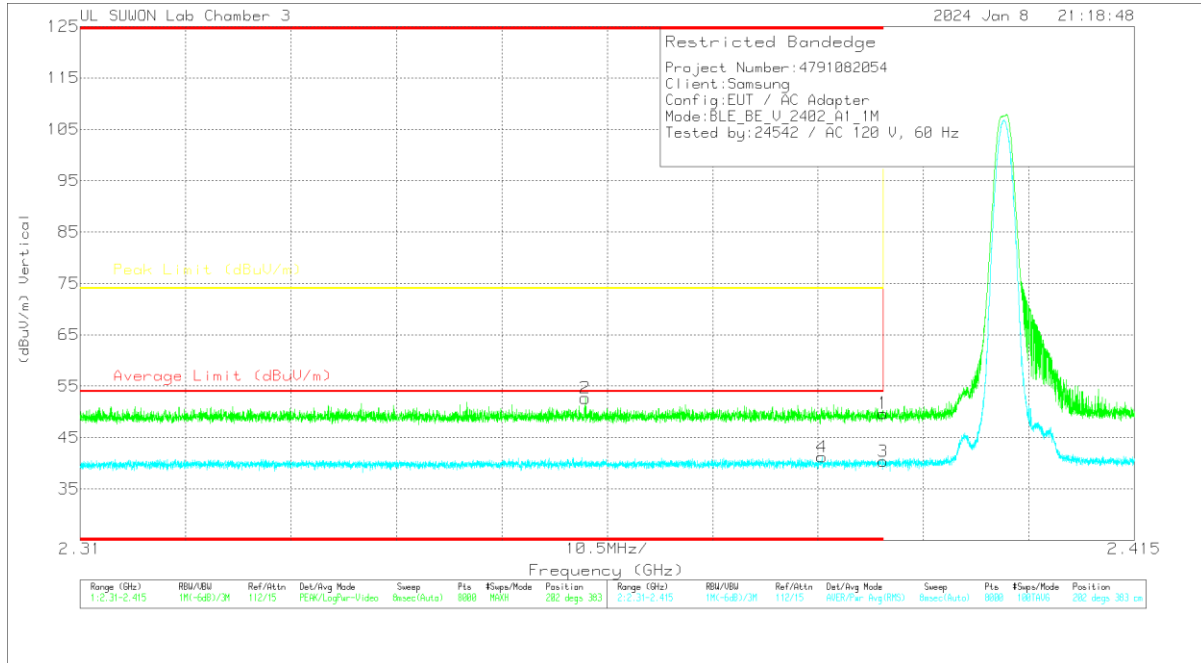


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor(dBm)	Loss(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	41.24	Pk	32.1	-24.8	0	48.54	-	-	74	-25.46	126	105	H
2	* 2.37679	45.12	Pk	32.1	-24.8	0	52.42	-	-	74	-21.58	126	105	H
3	* 2.39	32.45	RMS	32.1	-24.8	.7	40.45	54	-13.55	-	-	126	105	H
4	* 2.37759	33	RMS	32.1	-24.8	.7	41	54	-13	-	-	126	105	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT



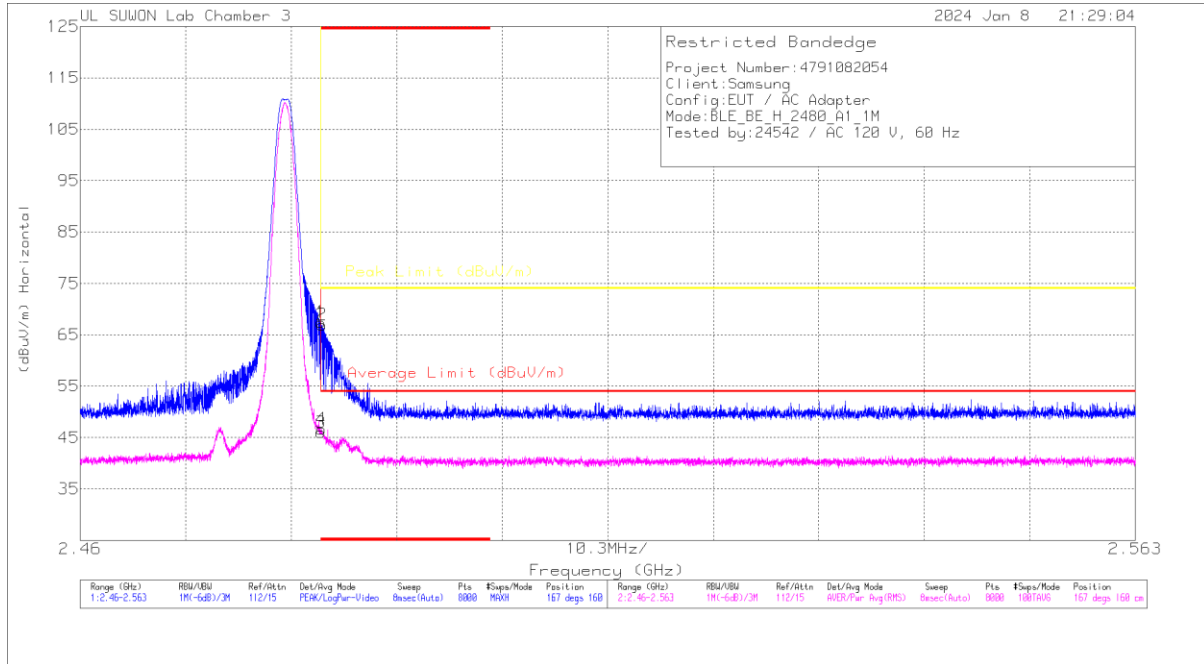
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor (dB/m)	Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (Degs)	Height (cm)	Polarity
1	* 2.39	42.41	PK	32.1	-24.8	0	49.71	-	-	74	-24.29	202	383	V
2	* 2.3603	45.58	PK	32	-24.9	0	52.68	-	-	74	-21.32	202	383	V
3	* 2.39	32.37	RMS	32.1	-24.8	.7	40.37	54	-13.63	-	-	202	383	V
4	* 2.38388	33.32	RMS	32.1	-24.9	.7	41.22	54	-12.78	-	-	202	383	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

BANDEDGE (39 CHANNEL)

HORIZONTAL RESULT

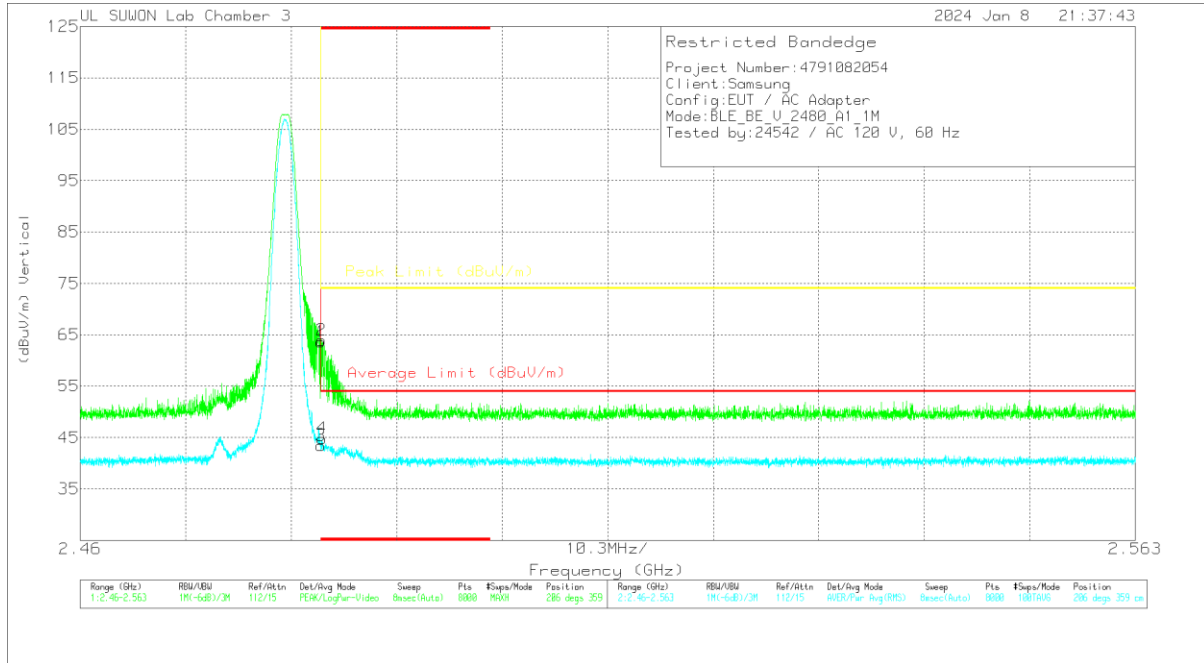


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBu/m)	Det	Antenna Correction Factor (dB/m)	Loss (dB)	DC Corr (dB)	Corrected Reading (dBu/m)	Average Limit (dBu/m)	Margin (dB)	Peak Limit (dBu/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	59.84	Pk	32.4	-24.8	0	67.44	-	-	74	-6.56	167	160	H
2	* 2.48359	59.35	Pk	32.4	-24.8	0	66.95	-	-	74	-7.05	167	160	H
3	* 2.4835	37.68	RMS	32.4	-24.8	.7	45.98	54	-8.02	-	-	167	160	H
4	* 2.48356	38.34	RMS	32.4	-24.8	.7	46.64	54	-7.36	-	-	167	160	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK - Peak detector
 RMS - RMS detection

VERTICAL RESULT



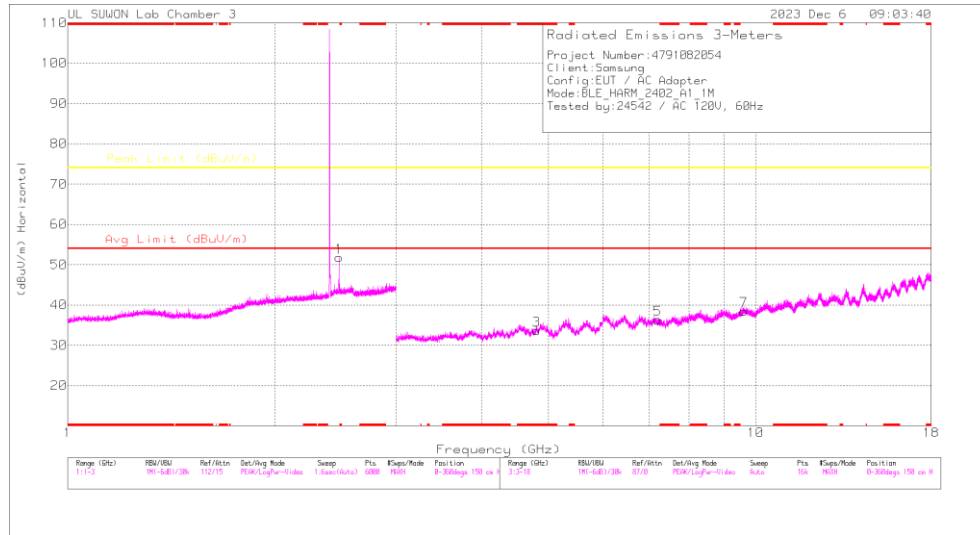
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor (dB/m)	Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Pk Margin (dB)	Acimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	56.02	Pk	32.4	-24.8	0	63.62	-	-	74	-10.38	206	359	V
2	* 2.48354	56.34	Pk	32.4	-24.8	0	63.94	-	-	74	-10.06	206	359	V
3	* 2.4835	35.16	RMS	32.4	-24.8	.7	43.46	54	-10.54	-	-	206	359	V
4	* 2.48363	36.54	RMS	32.4	-24.8	.7	44.84	54	-9.16	-	-	206	359	V

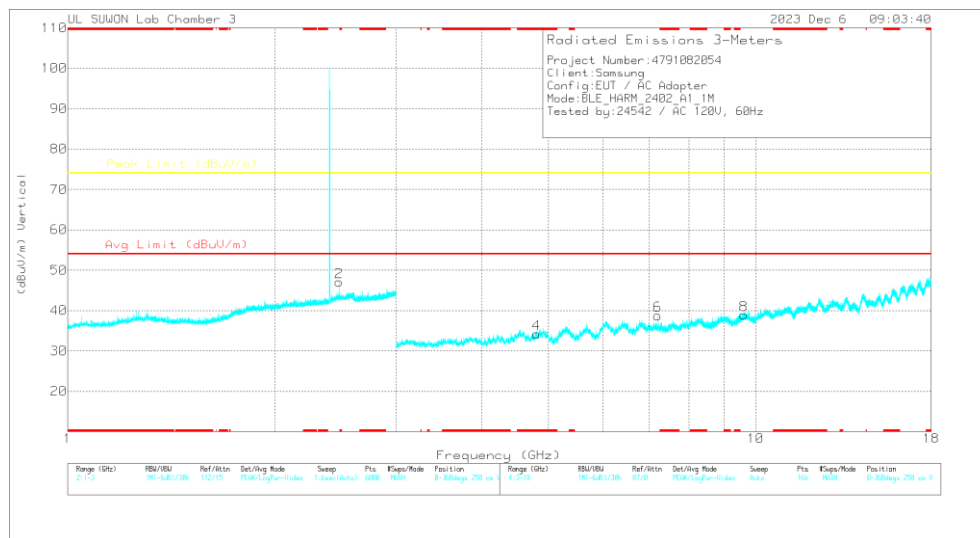
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

0 CHANNEL RESULTS



HORIZONTAL



VERTICAL

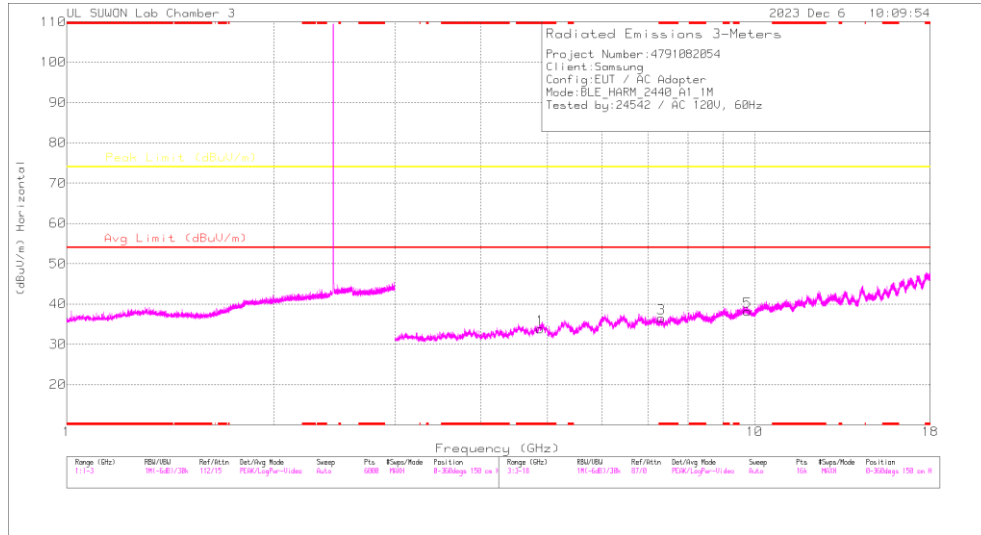
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Radiated Emissions

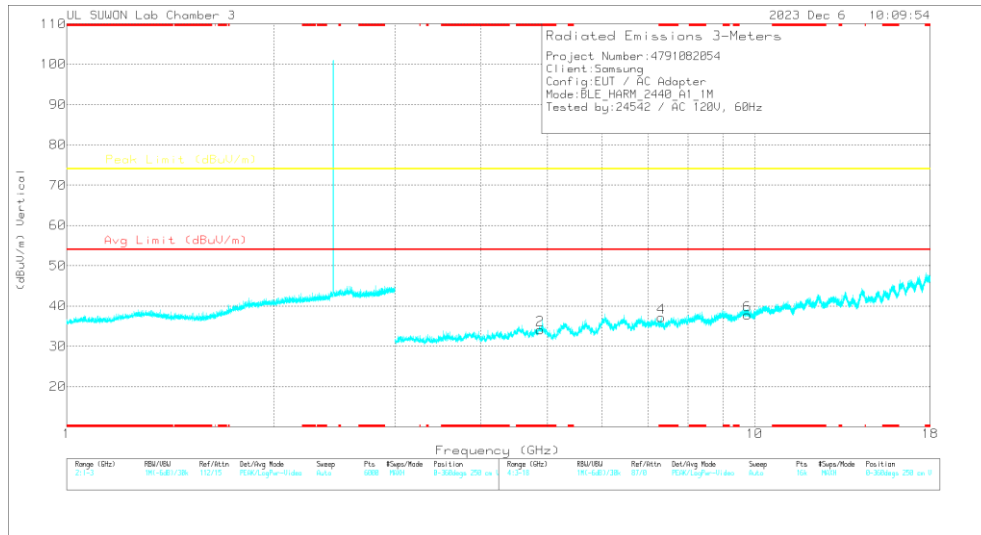
Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor(dB/m)	Loss(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.80356	40.2	PK2	34.3	-30.1	0	44.4	-	-	74	-29.6	324	104	H
* 4.8041	29.23	MAV1	34.3	-30.1	.7	34.13	54	-19.87	-	-	324	104	H
* 4.80709	39.79	PK2	34.3	-30	0	44.09	-	-	74	-29.91	0	100	V
* 4.80872	28.42	MAV1	34.3	-30.1	.7	33.32	54	-20.68	-	-	0	100	V
7.20537	36.85	PK2	35.8	-25.9	0	46.75	-	-	74	-27.25	310	100	H
7.20624	37.31	PK2	35.8	-25.9	0	47.21	-	-	74	-26.79	258	124	V
9.60476	33.65	PK2	36.7	-21.7	0	48.65	-	-	74	-25.35	0	100	H
9.60749	33.56	PK2	36.7	-21.7	0	48.56	-	-	74	-25.44	0	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAV1 - KDB558074 Option 1 Maximum RMS Average

19 CHANNEL RESULTS



HORIZONTAL



VERTICAL

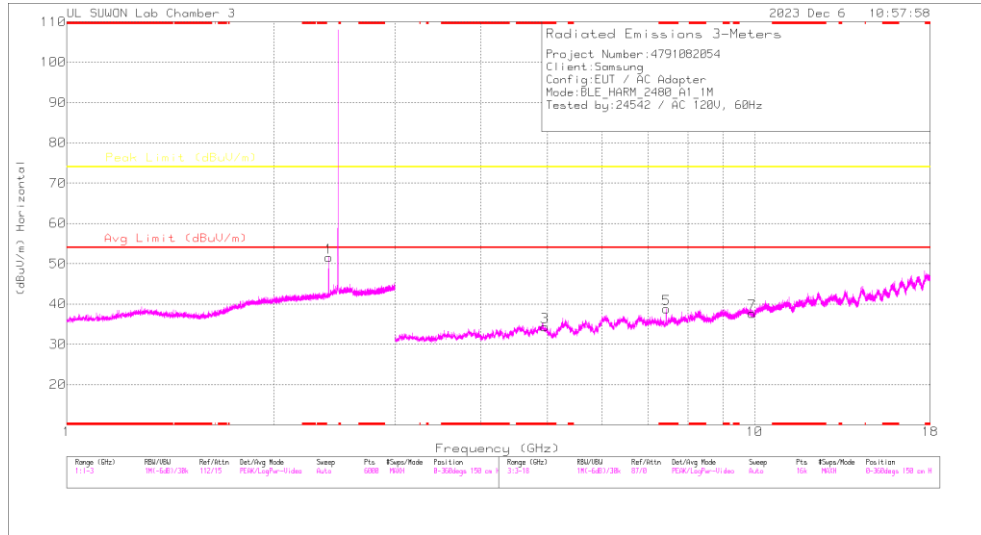
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Radiated Emissions

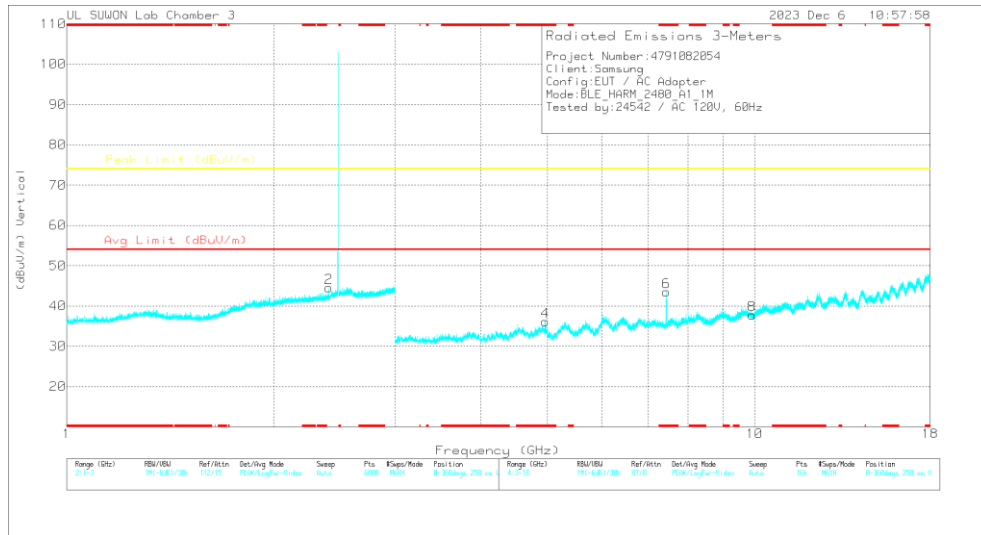
Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor (dBm)	Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.87933	41.05	PK2	34.2	-29.9	0	45.35	-	-	74	-28.65	312	100	H
* 4.87976	29.4	MAv1	34.2	-29.9	.7	34.4	54	-19.6	-	-	312	100	H
* 4.87986	41.27	PK2	34.2	-29.9	0	45.57	-	-	74	-28.43	278	339	V
* 4.87967	30.31	MAv1	34.2	-29.9	.7	35.31	54	-18.69	-	-	278	339	V
* 7.32019	35.56	PK2	35.8	-25.5	0	45.86	-	-	74	-28.14	314	100	H
* 7.32073	23.99	MAv1	35.8	-25.5	.7	34.99	54	-19.01	-	-	314	100	H
* 7.32065	36.27	PK2	35.8	-25.5	0	46.57	-	-	74	-27.43	257	124	V
* 7.32054	25.62	MAv1	35.8	-25.5	.7	36.62	54	-17.38	-	-	257	124	V
9.75757	33	PK2	36.9	-21.5	0	48.4	-	-	74	-25.6	0	100	H
9.75642	33.23	PK2	36.9	-21.6	0	48.53	-	-	74	-25.47	0	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

39 CHANNEL RESULTS



HORIZONTAL



VERTICAL

Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Radiated Emissions

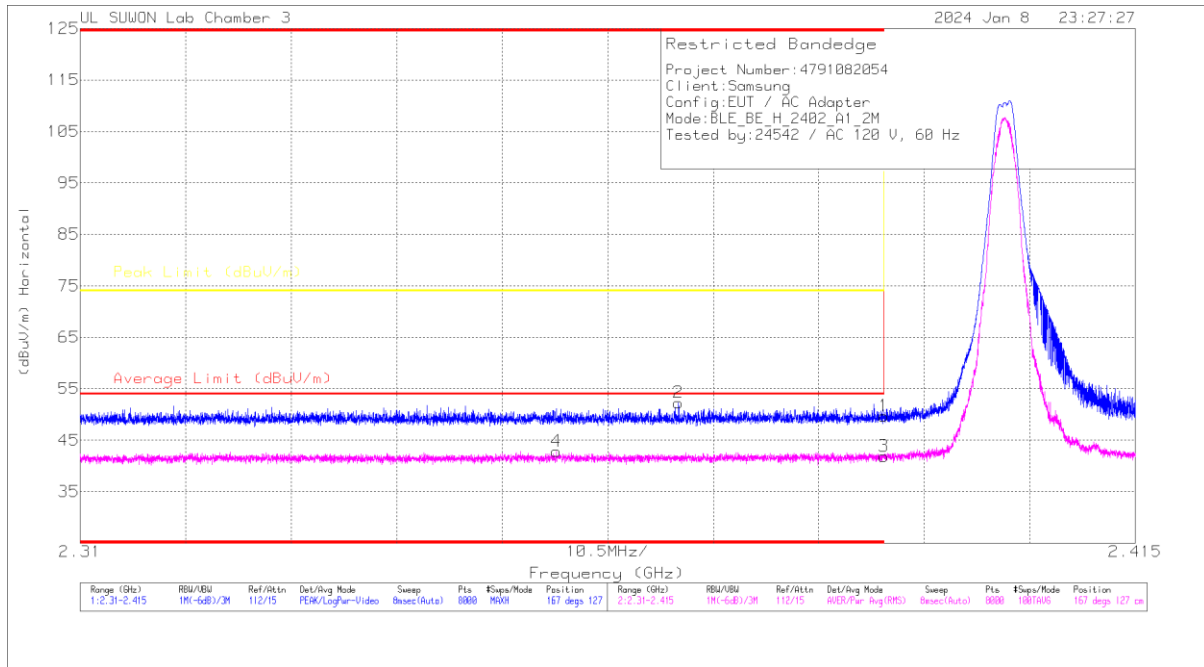
Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor (dBm)	Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.96002	40.5	PK2	34.3	-30	0	44.8	-	-	74	-29.2	308	275	H
* 4.95982	29.64	MAV1	34.3	-30	.7	34.64	54	-19.36	-	-	308	275	H
* 4.96017	42.03	PK2	34.3	-30	0	46.33	-	-	74	-27.67	275	397	V
* 4.96003	33.28	MAV1	34.3	-30	.7	36.28	54	-15.72	-	-	275	397	V
* 7.43923	37.53	PK2	35.7	-25.2	0	48.03	-	-	74	-25.97	226	334	H
* 7.43959	27.57	MAV1	35.7	-25.2	.7	38.77	54	-15.23	-	-	226	334	H
* 7.43957	40.44	PK2	35.7	-25.2	0	50.94	-	-	74	-23.06	257	118	V
* 7.43938	32.56	MAV1	35.7	-25.2	.7	43.76	54	-10.24	-	-	257	118	V
9.91688	32.01	PK2	37.1	-21.3	0	47.81	-	-	74	-26.19	0	100	H
9.92331	32.07	PK2	37.1	-21.3	0	47.87	-	-	74	-26.13	0	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAV1 - KDB558074 Option 1 Maximum RMS Average

10.2.2. 2 Mbps ANT1

BANDEDGE (0 CHANNEL)

HORIZONTAL RESULT

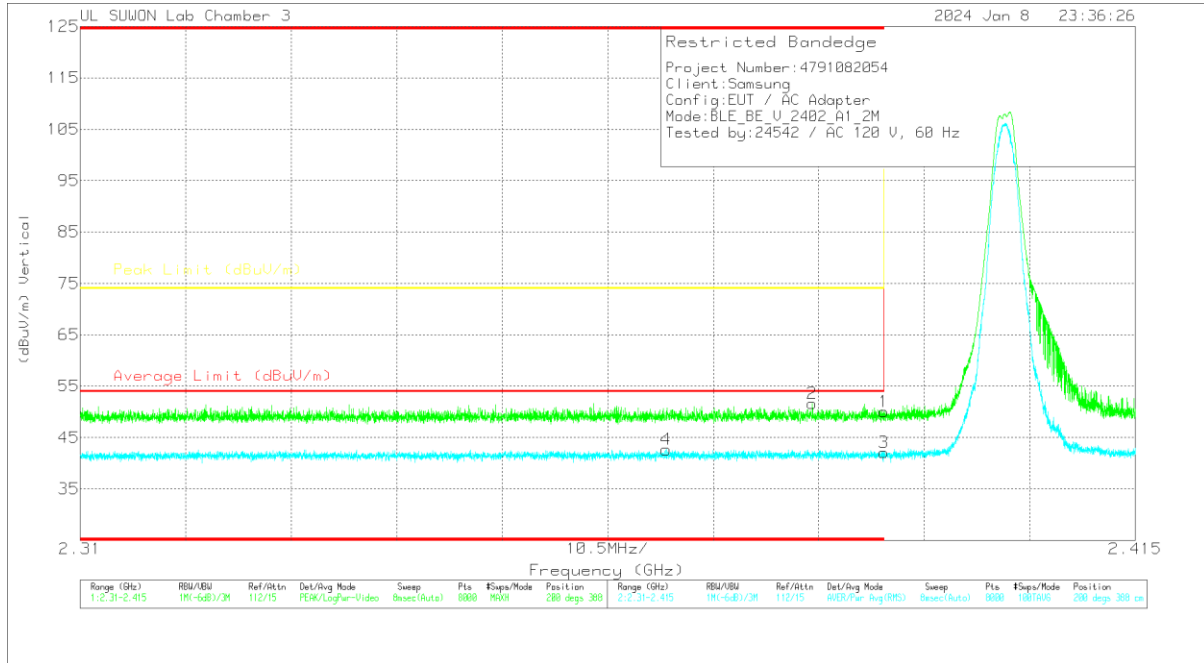


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor(dBm)	Loss(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	42.4	Pk	32.1	-24.8	0	49.7	-	-	74	-24.3	167	127	H
2	* 2.36954	45.09	Pk	32	-24.8	0	52.29	-	-	74	-21.71	167	127	H
3	* 2.39	32.18	RMS	32.1	-24.8	2.41	41.89	54	-12.11	-	-	167	127	H
4	* 2.3574	33.22	RMS	32	-24.8	2.41	42.83	54	-11.17	-	-	167	127	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT



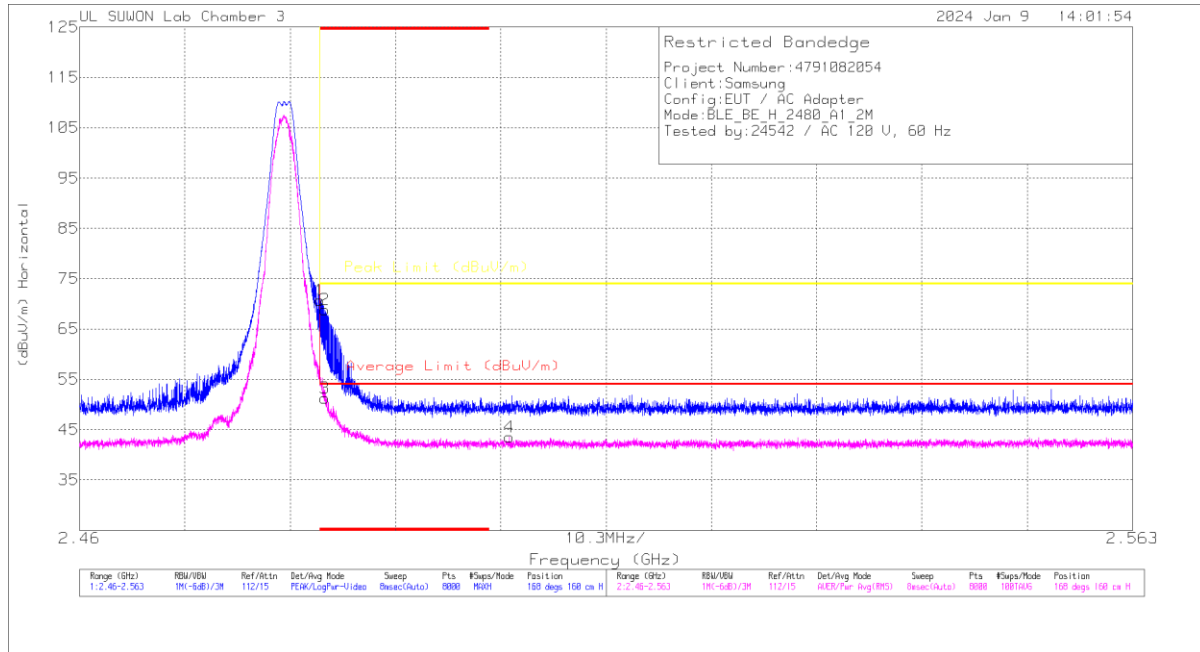
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor (dB/m)	Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Pk Margin (dB)	Acimuth (Degs)	Height (cm)	Polarity
1	* 2.39	42.74	Pk	32.1	-24.8	0	50.04	-	-	74	-23.96	200	388	V
2	* 2.38287	44.4	Pk	32.1	-24.9	0	51.6	-	-	74	-22.4	200	388	V
3	* 2.39	32.36	RMS	32.1	-24.8	2.41	42.07	54	-11.93	-	-	200	388	V
4	* 2.36831	33.15	RMS	32	-24.9	2.41	42.66	54	-11.34	-	-	200	388	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

BANDEDGE (39 CHANNEL)

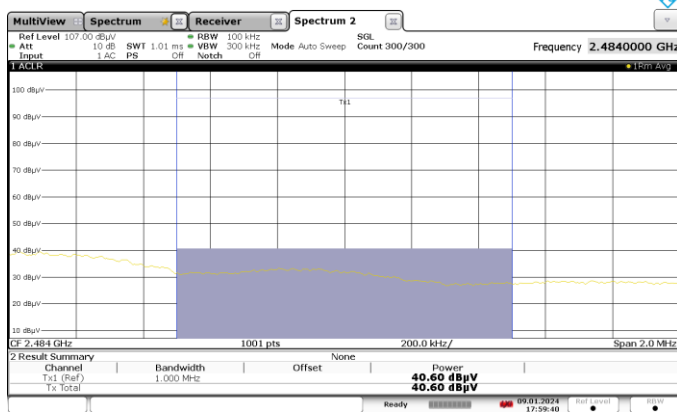
HORIZONTAL RESULT



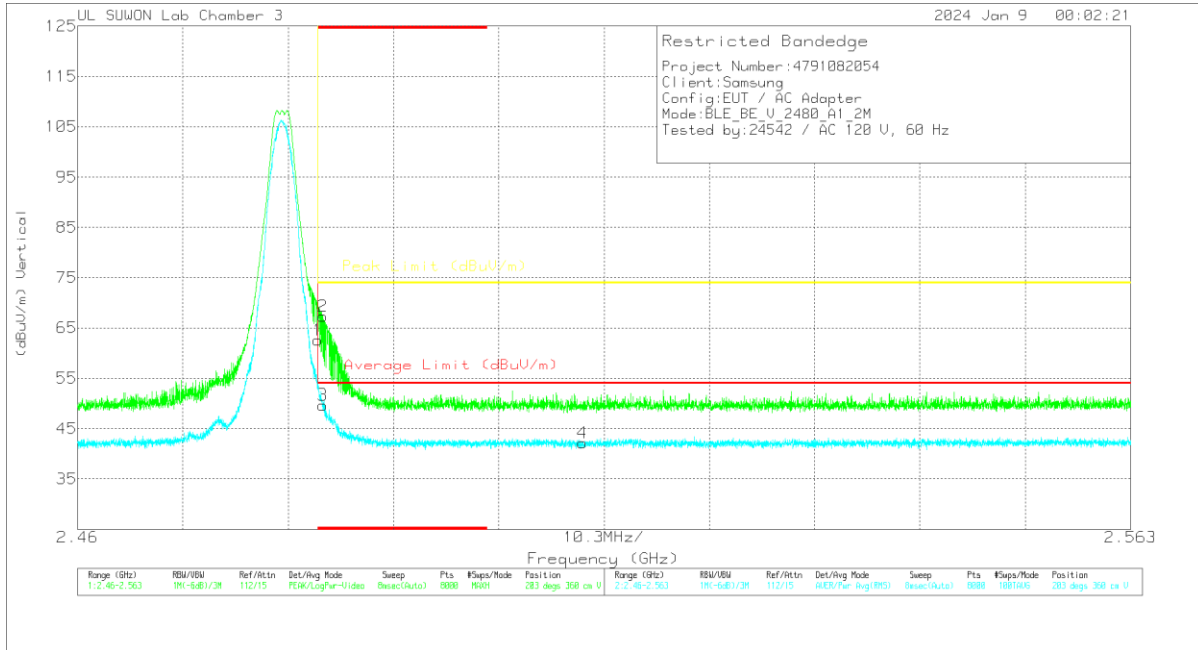
Trace Markers

Marker	Frequency (GHz)	Meas Reading (dBuV)	Det	Antenna Correction Factor(dBm)	Loss(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	63.05	PK		-24.8	0	70.65	-	-	74	-3.35	168	160	H
2	* 2.484	61.18	PK		-24.8	0	68.78	-	-	74	-5.22	168	160	H
3	* 2.484	40.6	Integ		-24.8	2.41	50.61	54	-3.39	-	-	168	160	H
4	2.50206	33.52	RMS		-24.8	2.41	43.53	54	-10.47	-	-	168	160	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK - Peak detector
 RMS - RMS detection
 Integ. - Integration method(RBW = 100 kHz, VBW = 300 kHz)



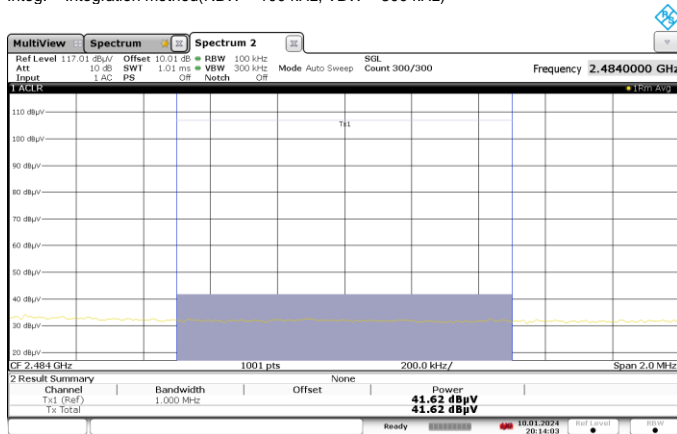
VERTICAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor(dBm)	Loss(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	54.94	Pk	32.4	-24.8	0	62.54	-	-	74	-11.46	203	360	V
2	* 2.48399	59.68	Pk	32.4	-24.8	0	67.28	-	-	74	-6.72	203	360	V
3	* 2.484	31.61	RMS	32.4	-24.8	2.41	41.62	54	-12.38	-	-	203	360	V
4	2.50936	32.25	RMS	32.4	-24.9	2.41	42.16	54	-11.84	-	-	203	360	V

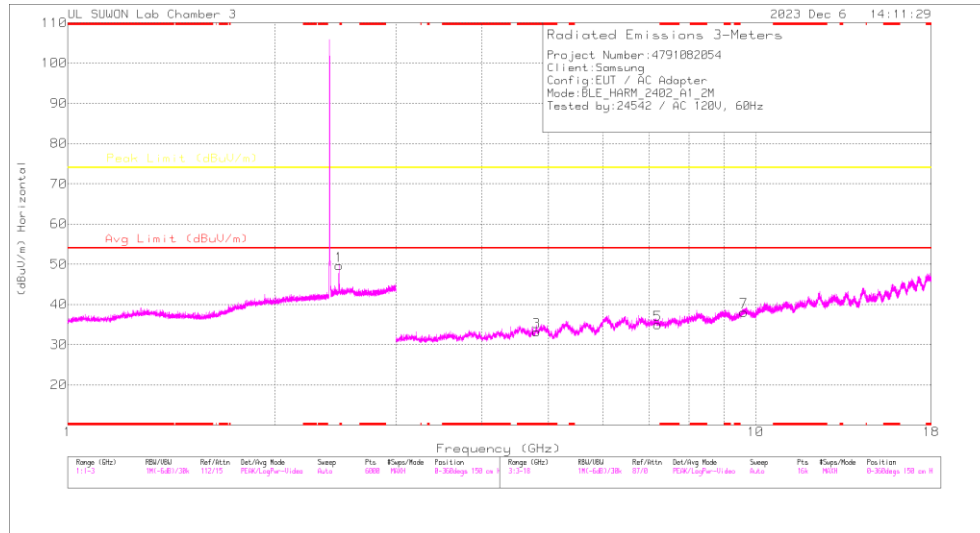
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection
 Integ. - Integration method(RBW = 100 kHz, VBW = 300 kHz)



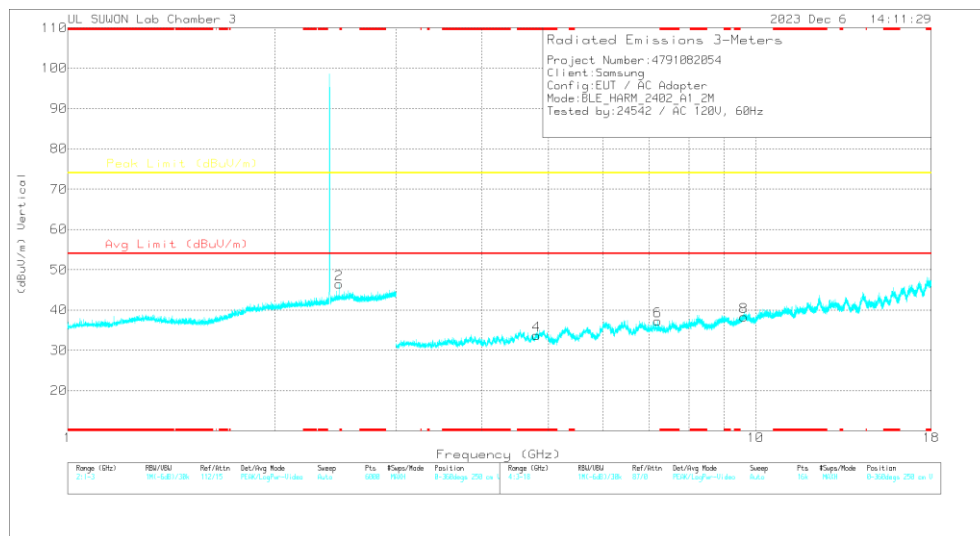
20:14:03 10.01.2024
 Note. Offset is applied(in capture plot)

HARMONICS AND SPURIOUS EMISSIONS

0 CHANNEL RESULTS



HORIZONTAL



VERTICAL

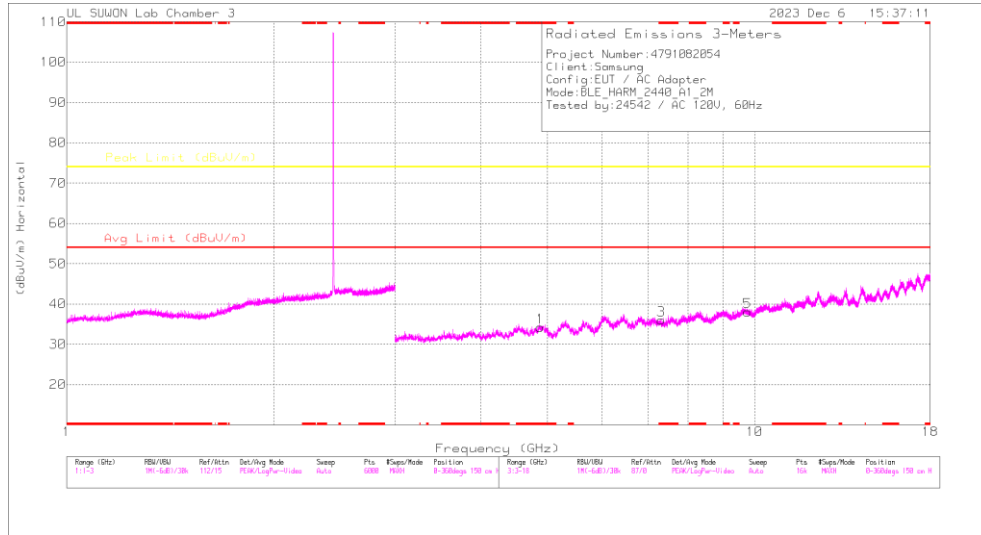
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Radiated Emissions

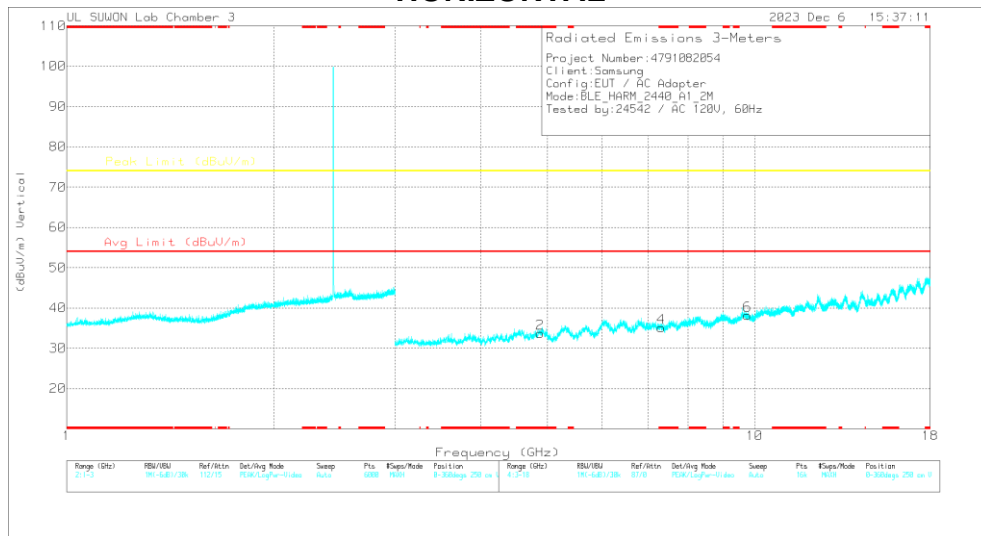
Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor(dB/m)	Loss(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.8049	40.43	PK2	34.3	-30.1	0	44.63	-	-	74	-29.37	312	108	H
* 4.80488	28.55	MAV1	34.3	-30.1	2.41	35.16	54	-18.84	-	-	312	108	H
* 4.80417	41.35	PK2	34.3	-30.1	0	45.55	-	-	74	-28.45	271	399	V
* 4.8034	29.62	MAV1	34.3	-30.1	2.41	36.23	54	-17.77	-	-	271	399	V
7.20751	36.21	PK2	35.8	-25.9	0	46.11	-	-	74	-27.89	312	100	H
7.20473	37.84	PK2	35.8	-25.9	0	47.74	-	-	74	-26.26	257	122	V
9.6087	33.2	PK2	36.7	-21.7	0	48.2	-	-	74	-25.8	0	100	H
9.60871	33.14	PK2	36.7	-21.7	0	48.14	-	-	74	-25.86	0	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAV1 - KDB558074 Option 1 Maximum RMS Average

19 CHANNEL RESULTS



HORIZONTAL



VERTICAL

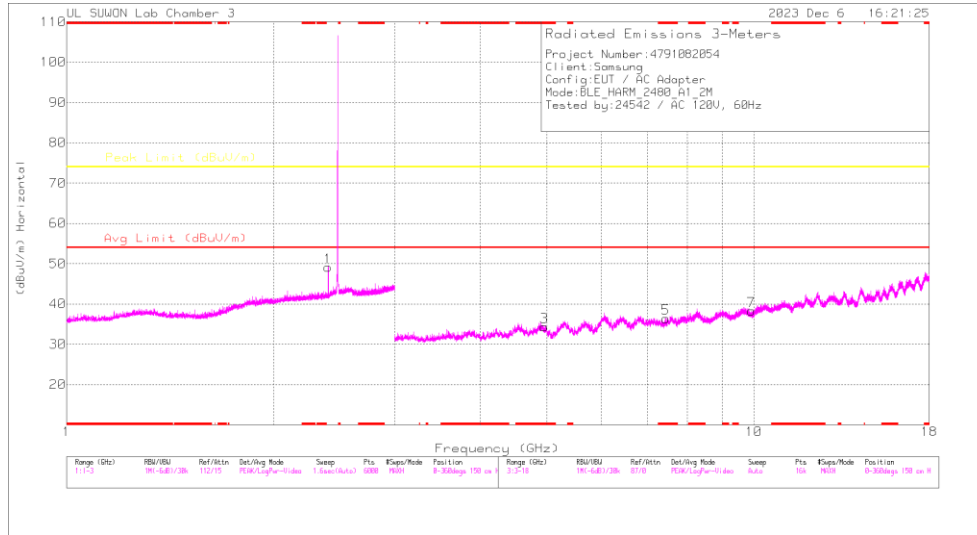
Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

Radiated Emissions

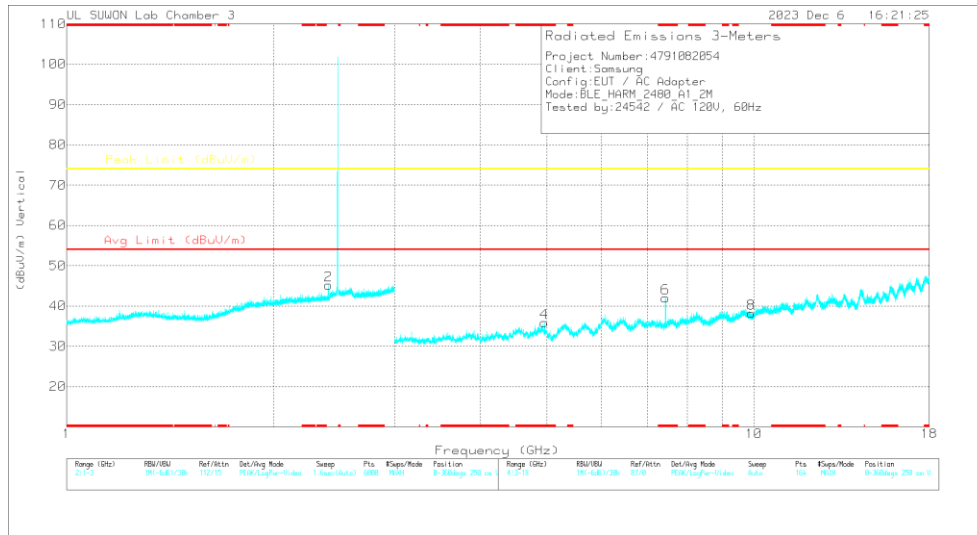
Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor (dBm)	Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.88158	39.93	PK2	34.2	-29.9	0	44.23	-	-	74	-29.77	0	100	H
* 4.87827	40.44	PK2	34.2	-29.9	0	44.74	-	-	74	-29.26	0	100	V
* 7.32062	35.11	PK2	35.8	-25.5	0	45.41	-	-	74	-28.59	0	100	H
* 7.31947	35.69	PK2	35.8	-25.5	0	45.99	-	-	74	-28.01	263	107	V
* 7.32159	24.64	MAV1	35.8	-25.5	2.41	37.35	54	-16.65	-	-	263	107	V
9.76	33.09	PK2	36.9	-21.5	0	48.49	-	-	74	-25.51	0	100	H
9.76128	32.37	PK2	36.9	-21.5	0	47.77	-	-	74	-26.23	0	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAV1 - KDB558074 Option 1 Maximum RMS Average

39 CHANNEL RESULTS



HORIZONTAL



VERTICAL

Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

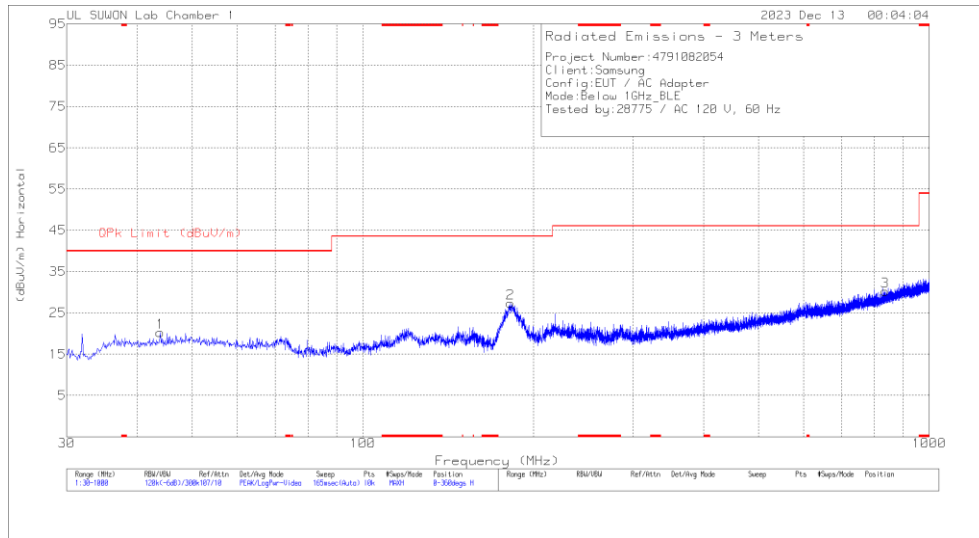
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor (dBm)	Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.96074	39.73	PK2	34.3	-30	0	44.03	-	-	74	-29.97	0	100	H
* 4.96542	28.16	MAv1	34.3	-30.1	2.41	34.77	54	-19.23	-	-	0	100	H
* 4.96111	42.24	PK2	34.3	-30	0	46.54	-	-	74	-27.46	268	350	V
* 4.95911	31.26	MAv1	34.3	-30	2.41	37.97	54	-16.03	-	-	268	350	V
* 7.43856	37.73	PK2	35.7	-25.2	0	48.23	-	-	74	-25.77	221	335	H
* 7.43859	27.14	MAv1	35.7	-25.2	2.41	40.05	54	-13.95	-	-	221	335	H
* 7.43855	40.97	PK2	35.7	-25.2	0	51.47	-	-	74	-22.53	125	100	V
* 7.43874	31.13	MAv1	35.7	-25.2	2.41	44.04	54	-9.96	-	-	125	100	V
9.92443	31.78	PK2	37.1	-21.4	0	47.48	-	-	74	-26.52	0	100	H
9.92179	32.51	PK2	37.1	-21.3	0	48.31	-	-	74	-25.69	117	112	V

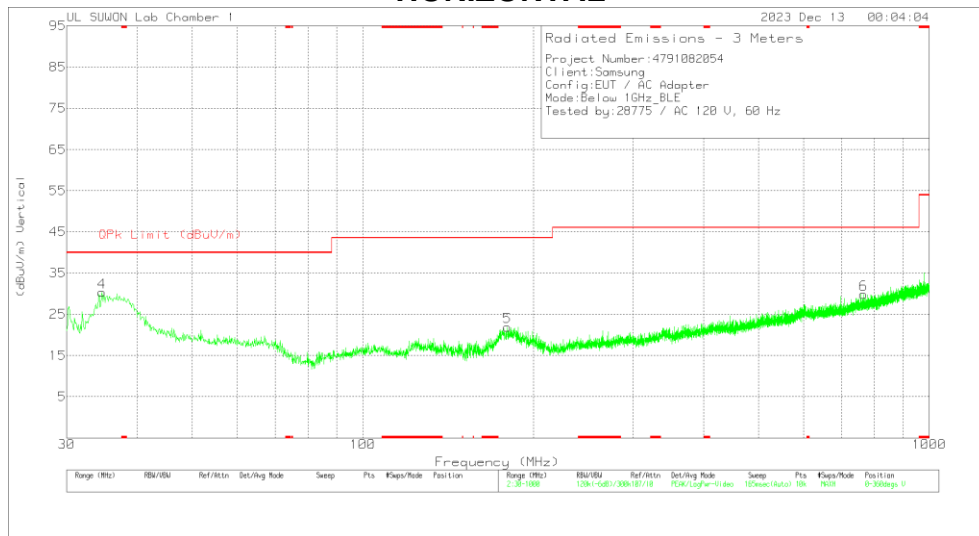
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

10.3. WORST CASE BELOW 1 GHz

SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION)



HORIZONTAL



VERTICAL

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Antenna Correction Factor(dB/m)	Loss(dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	43.871	31.77	Pk	19.4	-30.9	0	20.27	40	-19.73	0-360	100	H
2	182.096	41.4	Pk	15.4	-29.4	0	27.4	43.52	-16.12	0-360	100	H
3	836.555	29.77	Pk	26.3	-25.9	0	30.17	46.02	-15.85	0-360	100	H
4	34.656	45.1	Pk	16.4	-31.2	0	30.3	40	-9.7	0-360	200	V
5	180.059	36.14	Pk	15.2	-29.4	0	21.94	43.52	-21.58	0-360	200	V
6	765.551	30.5	Pk	25.7	-26.4	0	29.8	46.02	-16.22	0-360	200	V

Pk - Peak detector

11. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

* Decreases with the logarithm of the frequency.

TEST PROCEDURE

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

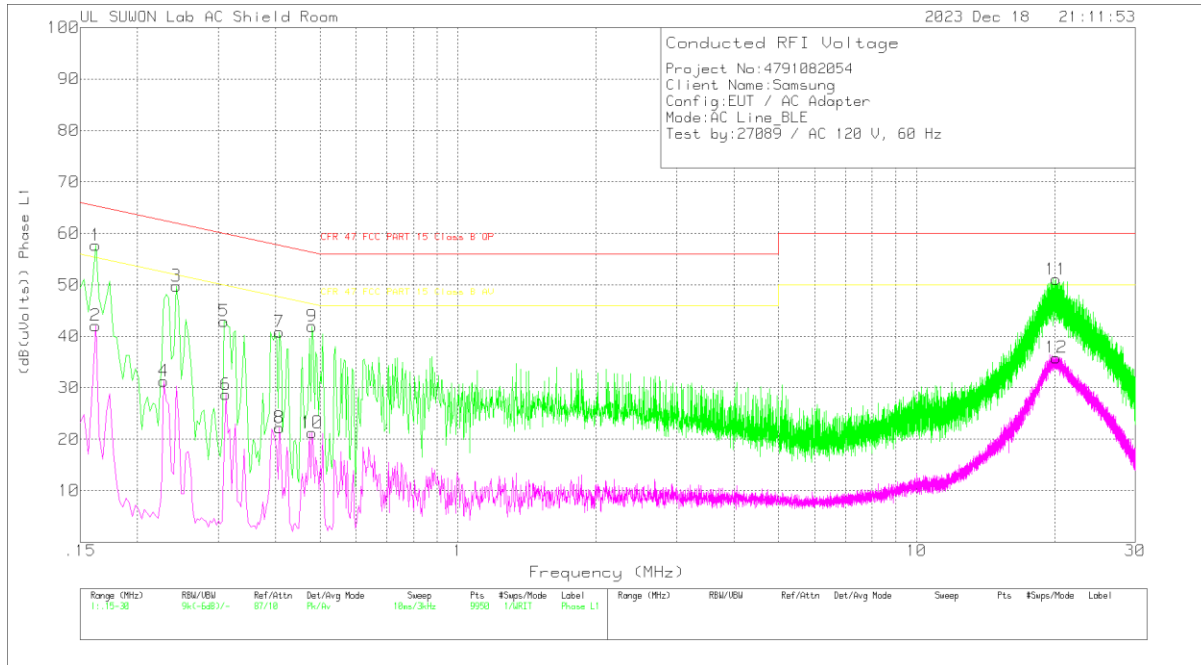
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both NEUTRAL and HOT lines.

RESULTS

11.1. AC Power Line

LINE 1 RESULTS



Trace Markers

Range 1: Phase L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101836_AU TO_With EX_L1[dB]	CABLELOS S[dB]	Corrected Reading (dB(uVolts))	CFR 47 FCC PART 15 Class B QP (dB(uVolts))	Margin (dB)	CFR 47 FCC PART 15 Class B AV (dB(uVolts))	Margin (dB)
1	.162	48.09	Pk	9.5	.1	57.69	65.36	-7.67	-	-
2	.162	32.49	Av	9.5	.1	42.09	-	-	55.36	-13.27
3	.243	40.07	Pk	9.5	.2	49.77	61.99	-12.22	-	-
4	.228	21.58	Av	9.5	.2	31.28	-	-	52.52	-21.24
5	.309	33.25	Pk	9.5	.2	42.95	60	-17.05	-	-
6	.312	18.98	Av	9.5	.2	28.68	-	-	49.92	-21.24
7	.408	31.17	Pk	9.5	.2	40.87	57.69	-16.82	-	-
8	.408	12.54	Av	9.5	.2	22.24	-	-	47.69	-25.45
9	.48	32.28	Pk	9.5	.2	41.98	56.34	-14.36	-	-
10	.48	11.56	Av	9.5	.2	21.26	-	-	46.34	-25.08
11	20.169	41.08	Pk	9.6	.4	51.08	60	-8.92	-	-
12	20.169	25.85	Av	9.6	.4	35.85	-	-	50	-14.15

Pk - Peak detector

Av - Average detection

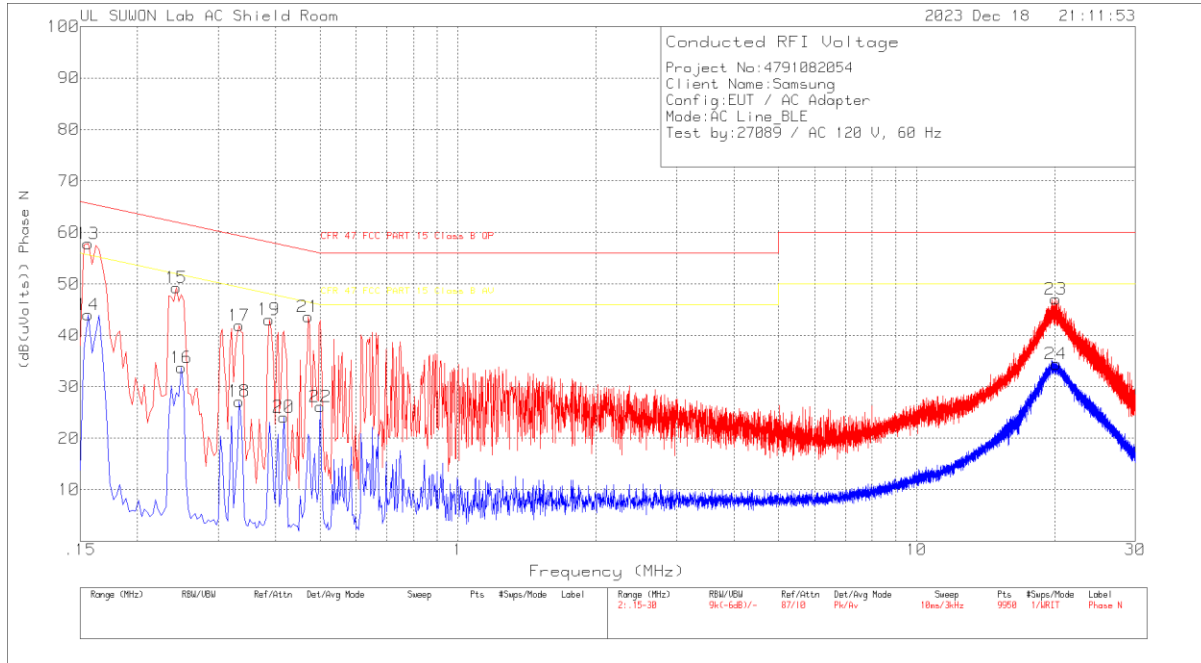
Quasi-Peak Emissions

Range 1: Phase L1 .15 - 30MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	101836_AU TO_With EX_L1[dB]	CABLELOS S[dB]	Corrected Reading (dB(uVolts))	CFR 47 FCC PART 15 Class B QP (dB(uVolts))	Margin (dB)	CFR 47 FCC PART 15 Class B AV (dB(uVolts))	Margin (dB)
.16125	44.57	Qp	9.5	.1	54.17	65.4	-11.23	-	-
20.1692	33.51	Qp	9.6	.4	43.51	60	-16.49	-	-

Qp - Quasi-Peak detector

LINE 2 RESULTS



Trace Markers

Range 2: Phase N .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101836_AU TO_With EX_N[dB]	CABLELOS S[dB]	Corrected Reading (dB(uVolts))	CFR 47 FCC PART 15 Class B QP (dB(uVolts))	Margin (dB)	CFR 47 FCC PART 15 Class B AV (dB(uVolts))	Margin (dB)
13	.156	48.18	Pk	9.5	.1	57.78	65.67	-7.89	-	-
14	.156	34.39	Av	9.5	.1	43.99	-	-	55.67	-11.68
15	.243	39.54	Pk	9.5	.2	49.24	61.99	-12.75	-	-
16	.249	24.01	Av	9.5	.2	33.71	-	-	51.79	-18.08
17	.333	32.19	Pk	9.5	.2	41.89	59.38	-17.49	-	-
18	.333	17.46	Av	9.5	.2	27.16	-	-	49.38	-22.22
19	.387	33.35	Pk	9.5	.2	43.05	58.13	-15.08	-	-
20	.417	14.39	Av	9.5	.2	24.09	-	-	47.51	-23.42
21	.471	33.92	Pk	9.5	.2	43.62	56.5	-12.88	-	-
22	.501	16.34	Av	9.6	.2	26.14	-	-	46	-19.86
23	20.115	37.02	Pk	9.6	.4	47.02	60	-12.98	-	-
24	20.133	24.41	Av	9.6	.4	34.41	-	-	50	-15.59

Pk - Peak detector

Av - Average detection

Quasi-Peak Emissions

Range 2: Phase N .15 - 30MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	101836_AU TO_With EX_N[dB]	CABLELOS S[dB]	Corrected Reading (dB(uVolts))	CFR 47 FCC PART 15 Class B QP (dB(uVolts))	Margin (dB)	CFR 47 FCC PART 15 Class B AV (dB(uVolts))	Margin (dB)
.15615	44.54	Qp	9.5	.1	54.14	65.67	-11.53	-	-

Qp - Quasi-Peak detector

END OF TEST REPORT

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