



CERTIFICATION TEST REPORT

Report Number. : S-4791754791-E6V2

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

Model : SM-A176B/DS, SM-A176B

FCC ID : A3LSMA176B

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

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

Date Of Issue:
2025-06-05

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Revision History

Rev.	Issue Date	Revisions	Prepared By
V1	2025-05-29	Initial issue	David Jung
V2	2025-06-05	Updated to address TCB's question	David Jung

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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 and NFC

MODEL NUMBER: SM-A176B/DS, SM-A176B

SERIAL NUMBER: R3Y40DGNR, 9111c31449337ece (CONDUCTED);
R3CY40ZVMAH, R3CY40ZVM0B (RADIATED)

DATE TESTED: 2025-04-18 – 2025-05-29

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:



David Jung
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 C63.10-2020.

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	
☒	Chamber 1(3m semi-anechoic chamber)
☒	Chamber 2(3m semi-anechoic chamber)
☒	Chamber 3(3m semi-anechoic chamber)
☐	Chamber 4(3m Full-anechoic chamber)
☐	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:

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

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

4.3. MEASUREMENT UNCERTAINTY

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

PARAMETER	UNCERTAINTY
RF Output Power	0.69 dB
Power Spectral Density	1.4 dB
Occupied Bandwidth	0.04 %
Conducted Spurious Emissions	1.4 dB
Conducted Disturbance, 0.15 to 30 MHz	1.84 dB
Radiated Disturbance, 9 kHz to 30 MHz	2.41 dB
Radiated Disturbance, 30 MHz to 1 GHz	3.69 dB
Radiated Disturbance, 1 GHz to 18 GHz	5.18 dB
Radiated Disturbance, above 18 GHz	5.07 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 Clause 4.4.3 in IEC Guide 115:2023.

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 and NFC.
This test report addresses the DTS (BLE) operational mode.

Representative model	Difference	Derivative model
		SM-A176B
SM-A176B/DS	Hardware	Except for the SIM socket tray, all hardware parts are the same
	Software	All features are the same except for SIM recognition algorithms and subsequently User Interface changes.

The model SM-A176B/DS was used for final testing and is representative of the test results in this report.

5.2. MAXIMUM OUTPUT POWER

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

Frequency Range[MHz]	Mode	Power Mode	Output Power [dBm]	Output Power [mW]
2 402 ~ 2 480	500kbps coded (37 pkt)	Peak	11.290	13.459
		Average	11.045	12.720
2 404 ~ 2 478	2Mbps (255 pkt)	Peak	11.370	13.709
		Average	10.909	12.328

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: -4.1 dBi

“SUB2” as indicated in antenna specification are written as ANT1 in this report.

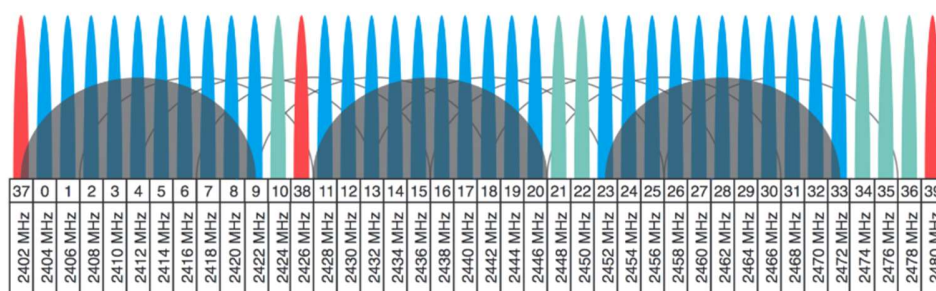
5.4. WORST-CASE CONFIGURATION AND MODE

The fundamentals of the EUT were investigated in three orthogonal orientations X, Y and Z. For the radiated band-edge, the Z-axis orientation of the antenna was identified as the worst-case configuration, while for spurious emissions testing, the X-axis orientation demonstrated the most critical emissions profile.

Radiated and power line conducted tests were performed with EUT connected to AC power adapter as the worst-case configuration. Radiated harmonics spurious for 1~18 GHz were tested under Low, Mid and High channels and spurious emissions testing for above 18GHz were performed with the EUT set at the worst 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.

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

The EUT does not supported Primary PHY channels (2402[37] / 2426[38] / 2480[39] MHz) at the BLE 2Mbps data-rate. BLE Channels that used for testing are follows in below.



Power verification

The Output Power of all data rate are all investigated, the 500 kbps(37 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 Average Power [dBm]	Symbol Rate [Ms/s]	Mode	Freq. [MHz]	Conducted Burst Average Power [dBm]
1	1 Mbps 37 pkt ANT1	2 402	10.613	2	2 Mbps 37 pkt ANT1	2 404	10.506
		2 440	10.972			2 440	10.851
		2 480	9.650			2 478	9.594
	1 Mbps 255 pkt ANT1	2 402	10.668		2 Mbps 255 pkt ANT1	2 404	10.568
		2 440	11.017			2 440	10.909
		2 480	9.654			2 478	9.640
1 Coded S=8	125 kbps 37 pkt ANT1	2 402	10.688	1 Coded S=2	500 kbps 37 pkt ANT1	2 402	10.726
		2 440	11.013			2 440	11.045
		2 480	9.635			2 480	9.677
	125 kbps 255 pkt ANT1	2 402	10.704		500 kbps 255 pkt ANT1	2 402	10.680
		2 440	11.030			2 440	11.003
		2 480	9.643			2 480	9.625

5.5. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacturer	Model	Serial Number	FCC ID
Charger	SAMSUNG	EP-TA800	R37XBMJF8FBDKA	N/A
Data Cable	SAMSUNG	EP-DN980B	N/A	N/A

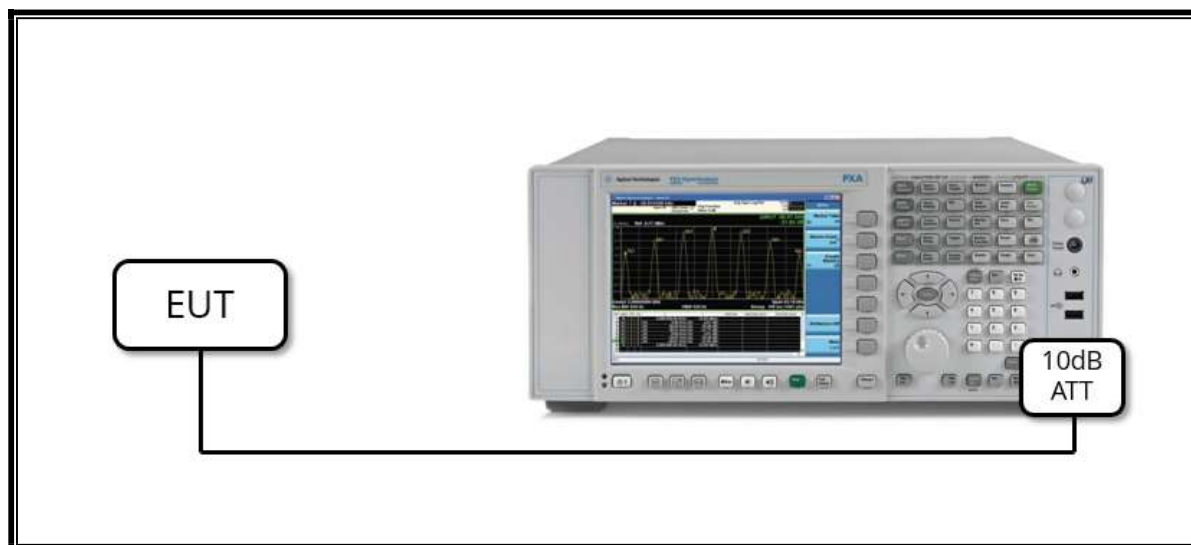
I/O CABLE

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

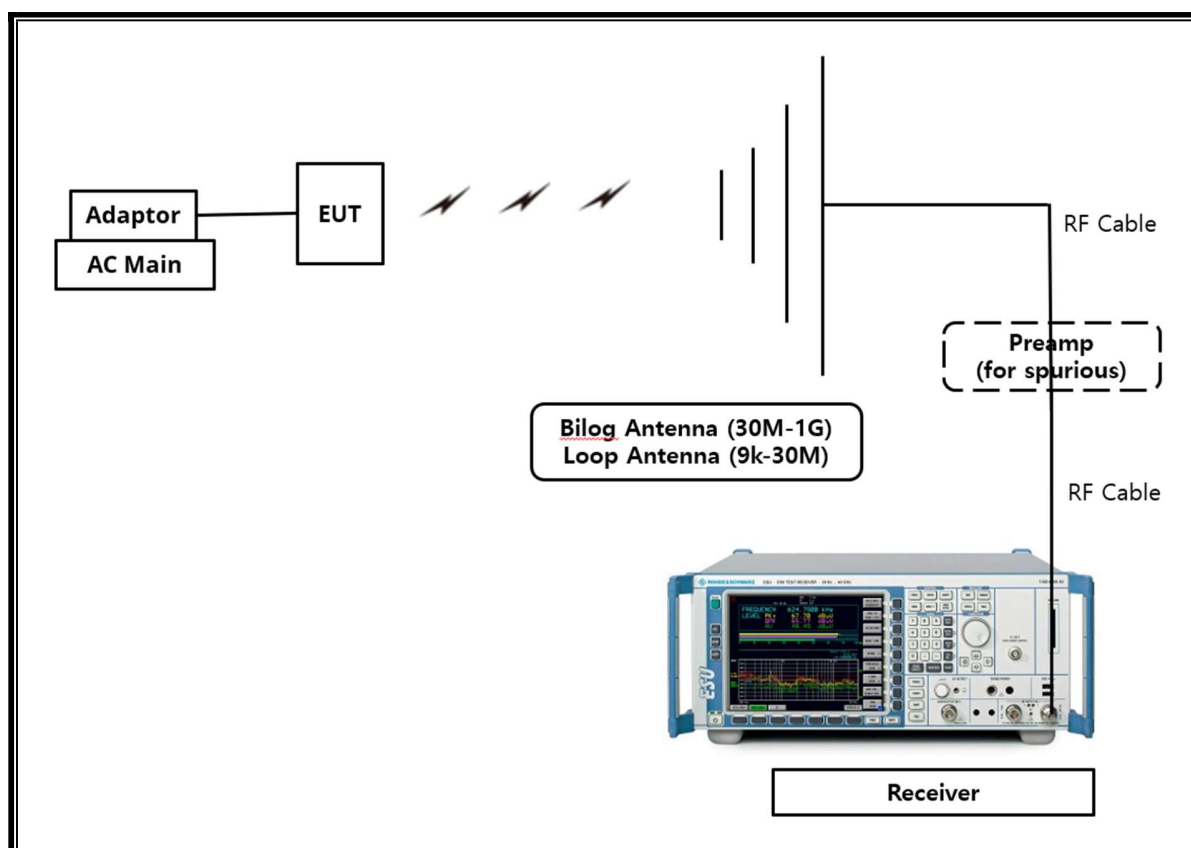
TEST SETUP

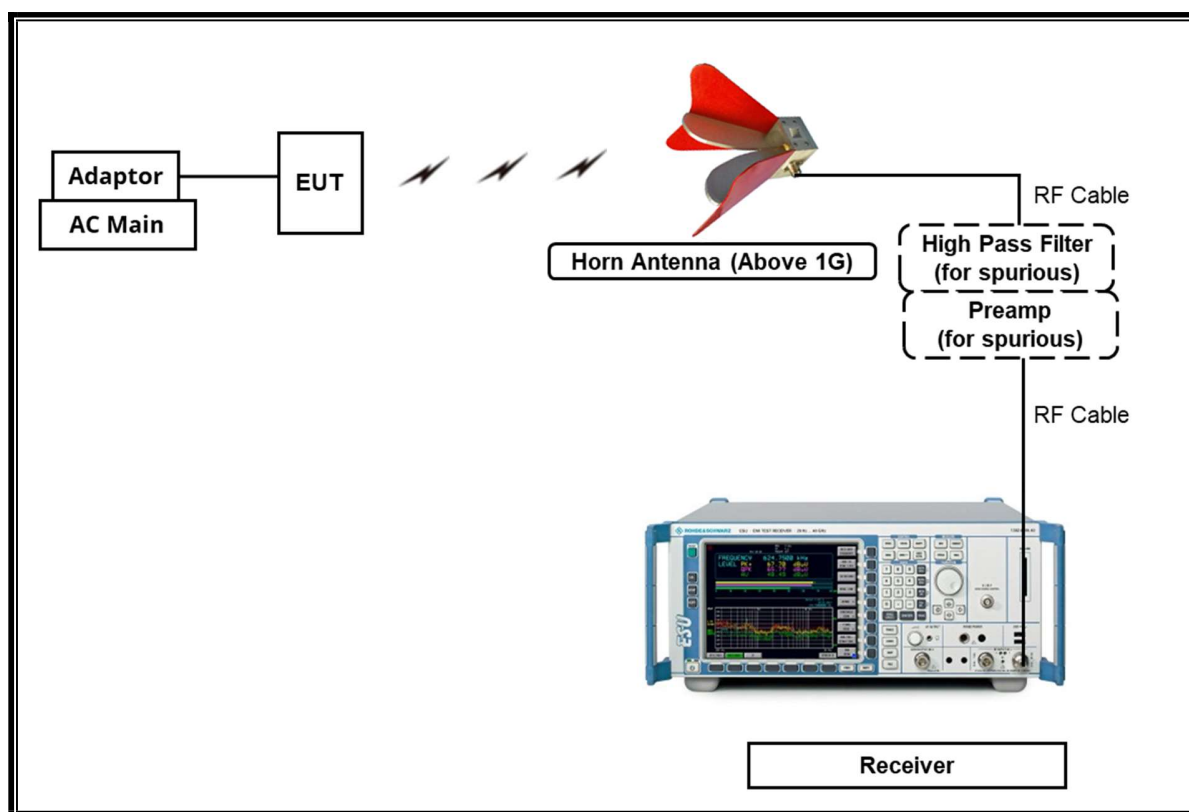
The EUT is a stand-alone unit during the tests.
Test software in hidden menu exercised the EUT to enable BLE mode.

SETUP DIAGRAM FOR TESTS (CONDUCTED TEST SETUP)



SETUP DIAGRAM FOR TESTS (RADIATED TEST SETUP)





6. MEASUREMENT METHOD

6 dB BW : ANSI C63.10-2020, Section 11.8.2 Option 2

OUTPUT POWER: ANSI C63.10-2020, Section 11.9.1.1 $RBW \geq$ DTS bandwidth

POWER SPECTRAL DENSITY: ANSI C63.10-2020, Section 11.10.2 Method PKPSD (peak PSD)

Out-of-band Emissions (Conducted): ANSI C63.10-2020, Section 11.11 Emissions in nonrestricted frequency bands

Out-of-band Emissions in Non-restricted Bands: ANSI C63.10-2020, Section 11.11 Emissions in nonrestricted frequency bands

Out-of-band Emissions in Restricted Bands: ANSI C63.10-2020, Section 11.12 Emissions in restricted frequency bands

AC Power Line Conducted Emission: ANSI C63.10-2020, 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	VULB 9163	750	2026-07-30
Antenna, Horn, 18 GHz	ETS	3117	00168717	2026-07-17
Antenna, Horn, 40 GHz	ETS	3116C	00166155	2026-07-23
Preamplifier	ETS	3116C-PA	00168841	2025-07-25
Preamplifier, 1000 MHz	Sonoma	310N	341282	2025-07-22
Preamplifier, 18 GHz	Miteq	AFS42-00101800-25-S-42	2029169	2025-07-23
Spectrum Analyzer, 44 GHz	Agilent / HP	N9030A	MY54170614	2025-07-24
Spectrum Analyzer, 44 GHz	Agilent / HP	N9030A	MY54490312	2026-01-02
Spectrum Analyzer, 44 GHz	KEYSIGHT	N9040B	MY60080268	2025-12-24
RF Switching Unit	TA Engineering	TA-018S-16	SW-1	N/A
Average Power Sensor	Agilent / HP	U2000A	MY54270007	2025-07-23
Average Power Sensor	Agilent / HP	U2000A	MY54260010	2025-07-23
Attenuator	PASTERNAK	PE7087-10	A001	2025-07-23
Attenuator	PASTERNAK	PE7087-10	A008	2025-07-23
EMI Test Receive, 40 GHz	R&S	ESU40	100439	2025-07-23
EMI Test Receive, 40 GHz	R&S	ESU40	100457	2025-07-22
EMI Test Receive, 3 GHz	R&S	ESR 3	101832	2025-07-22
Low Pass Filter 5GHz	Micro-Tronics	LPS17541	009	2025-07-22
High Pass Filter 3GHz	Micro-Tronics	HPM17543	010	2025-07-22
High Pass Filter 6GHz	Micro-Tronics	HPS17542	21	2025-07-23
LISN	R&S	ENV216	101837	2025-07-22
Antenna, Loop, 9kHz-30MHz	R&S	HFH2-Z2	100418	2025-09-07
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) < 74dBuV/m(PK)	Radiated	Complies

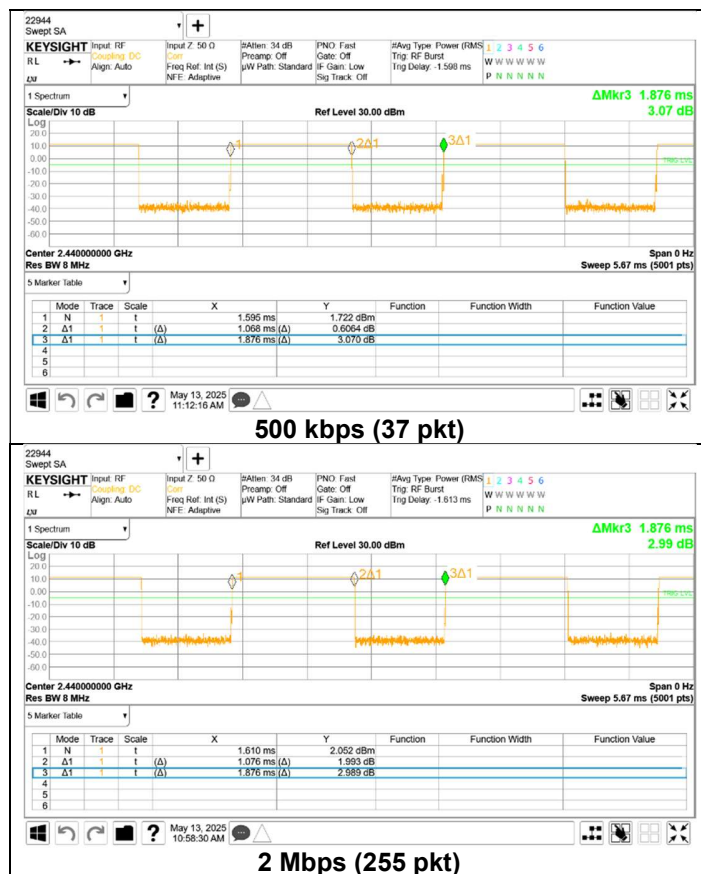
9. ANTENNA PORT TEST RESULTS

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						
500 kbps [37 pkt]	1.068	1.876	0.5693	56.93	2.45	0.936
2 Mbps [255 pkt]	1.076	1.876	0.5736	57.36	2.41	0.929



9.2. 6 dB BANDWIDTH

LIMITS

FCC §15.247 (a) (2)

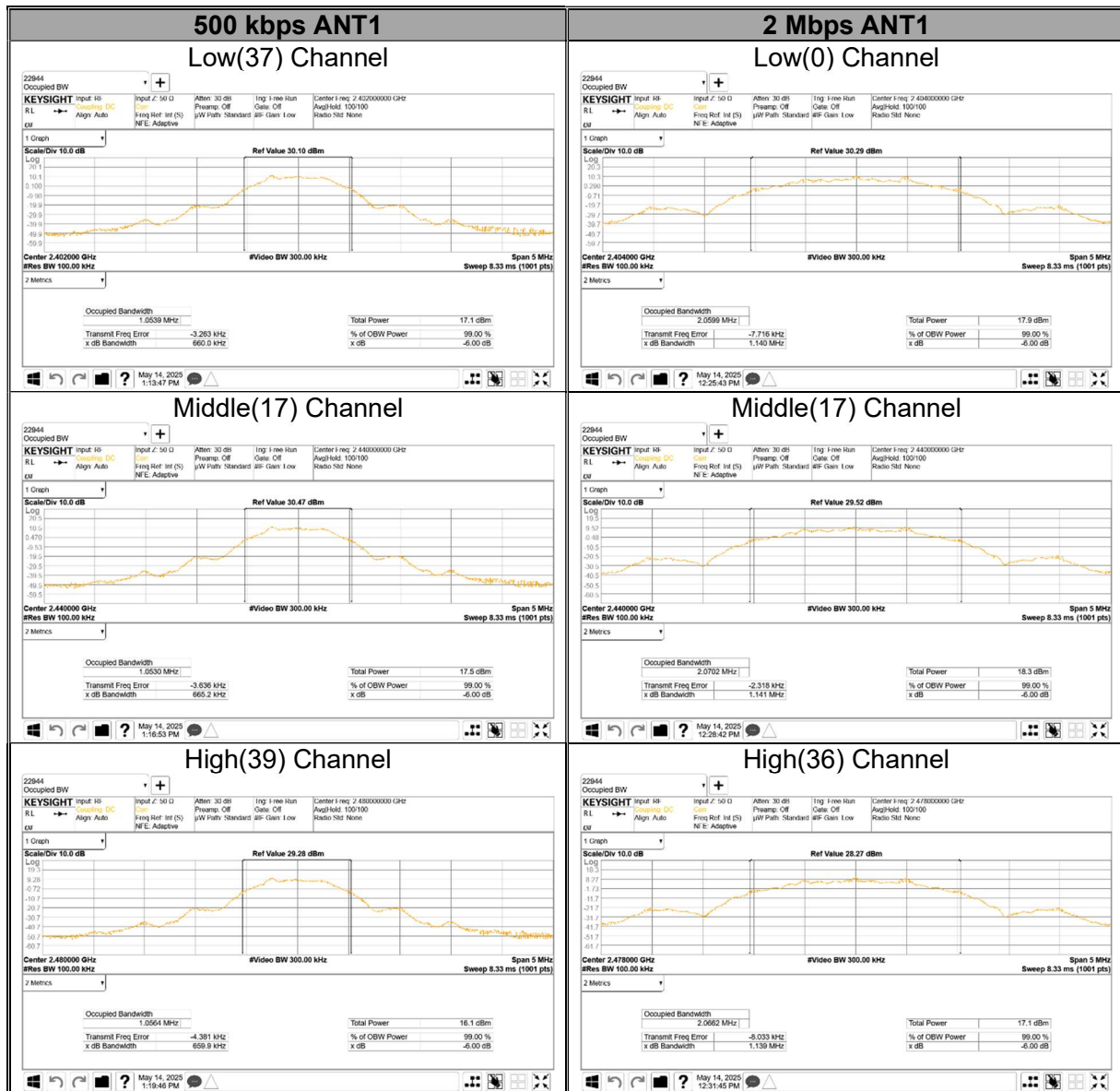
The minimum 6 dB bandwidth shall be at least 500 kHz.

RESULTS

9.2.1. TEST DATA

Mode	Antenna	Channel	Frequency [MHz]	6 dB Bandwidth [kHz]	Minimum Limit [kHz]
500 kbps (37pkt)	ANT1	37	2 402	660.0	500.0
		17	2 440	665.2	
		39	2 480	659.9	
2 Mbps (255pkt)	ANT1	0	2 404	1 140.0	
		17	2 440	1 141.0	
		36	2 478	1 139.0	
Worst				659.9	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

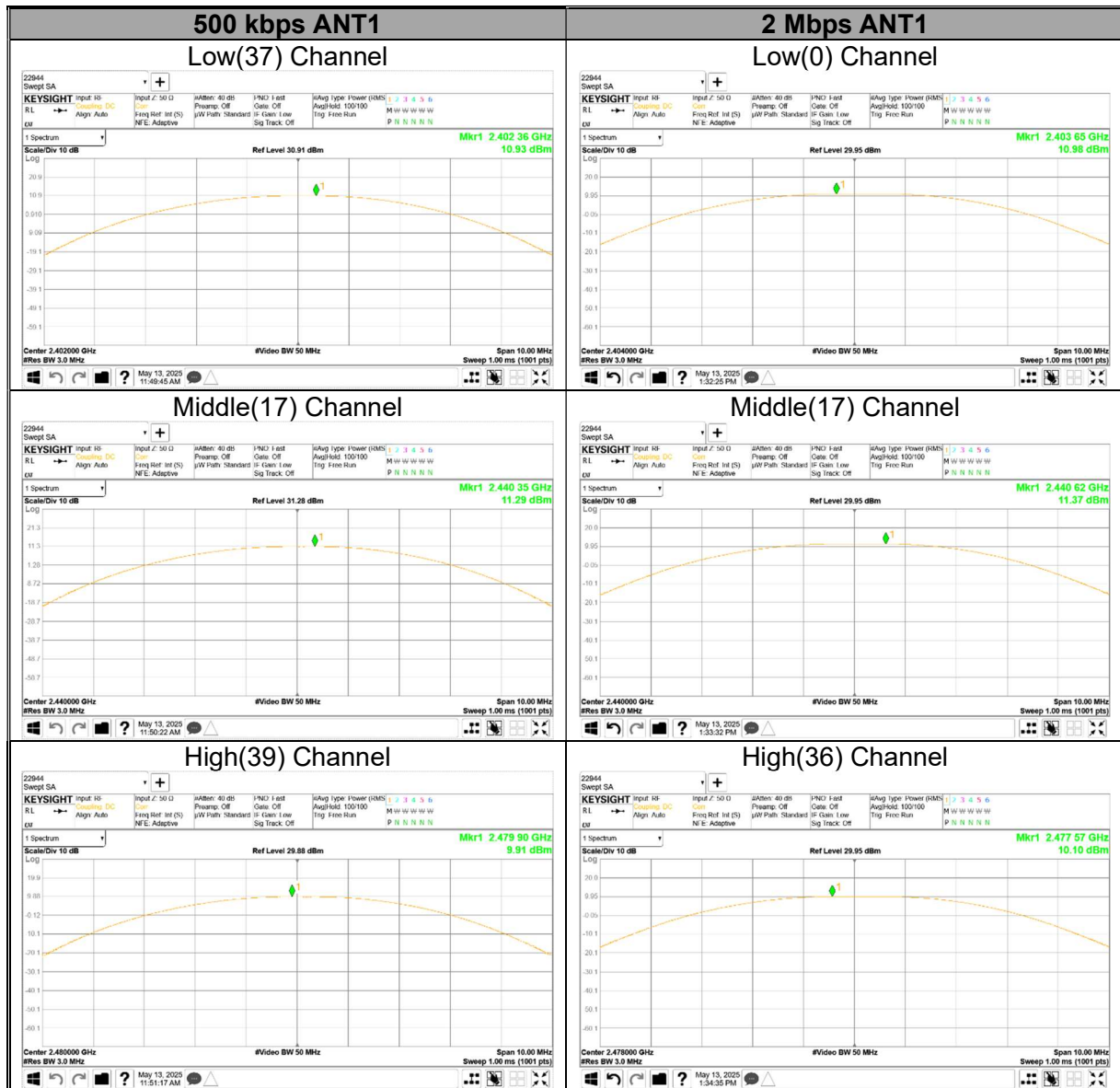
Peak power is measured using ANSI C63.10(2020) under section 11.9.1.1 utilizing spectrum analyzer(RBW $\geq$ DTS bandwidth).

RESULTS

9.3.1. TEST DATA

Mode	Antenna	Channel	Frequency [MHz]	Peak Output Power [dBm]	Limit [dBm]	Margin [dB]
500 kbps (37 pkt)	ANT1	37	2 402	10.93	30	-19.07
		17	2 440	11.29		-18.71
		39	2 480	9.91		-20.09
2 Mbps (255 pkt)	ANT1	0	2 404	10.98		-19.02
		17	2 440	11.37		-18.63
		36	2 478	10.10		-19.90
Worst				11.37		-18.63

9.3.2. PEAK POWER PLOTS



9.4. AVERAGE POWER

LIMITS

None; for reporting purposes only.

TEST PROCEDURE

Measurements performed 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

9.4.1. SISO MODE TEST DATA

Mode	Antenna	Channel	Frequency [MHz]	Average Output Power [dBm]	Average Output Power [mW]
500 kbps (37 pkt)	ANT1	37	2 402	10.726	11.820
		17	2 440	11.045	12.720
		39	2 480	9.677	9.283
2 Mbps (255 pkt)	ANT1	0	2 404	10.568	11.397
		17	2 440	10.909	12.328
		36	2 478	9.640	9.205

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

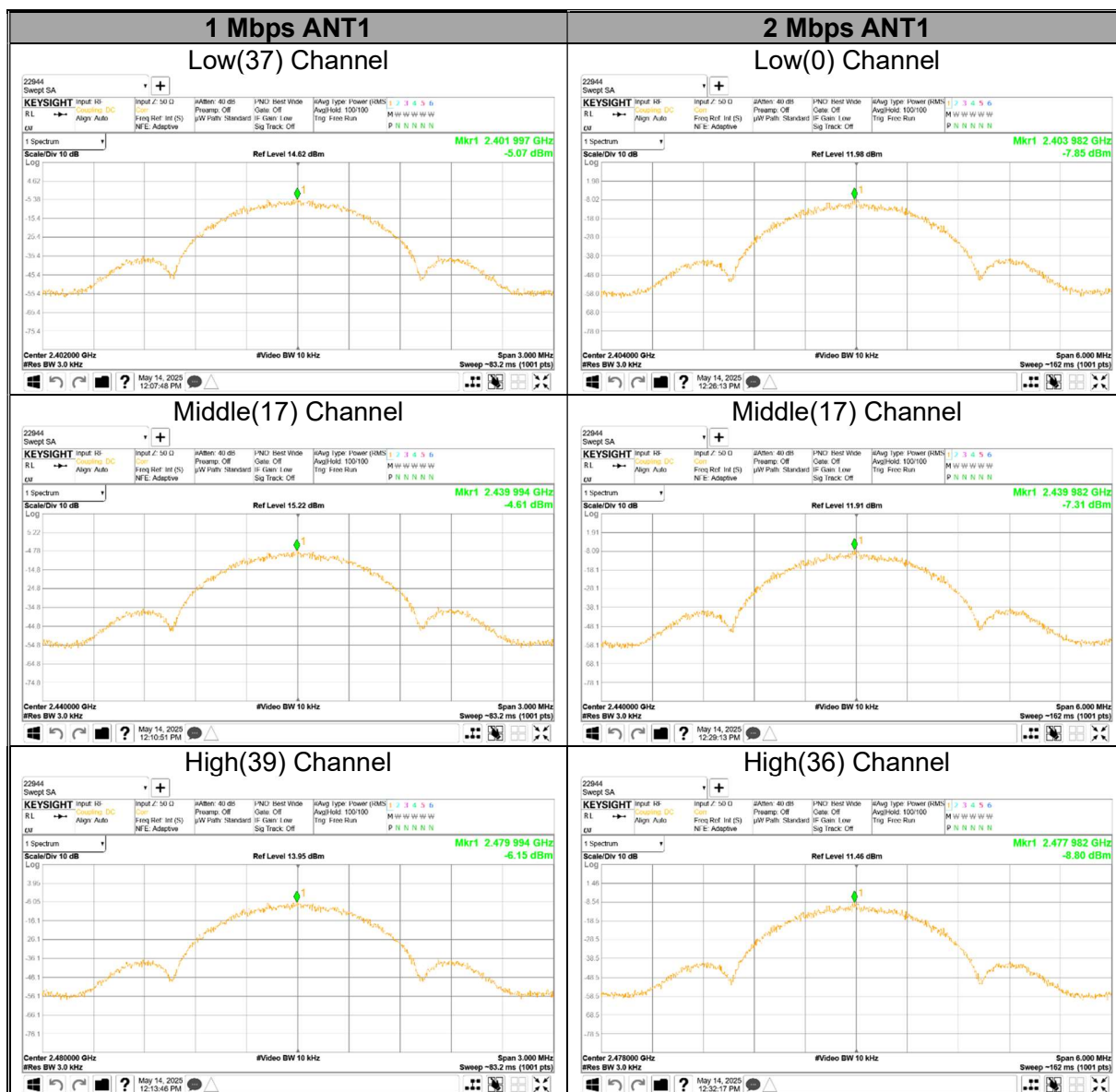
ANSI C63.10-2020, Section 11.10.2 Method PKPSD (peak PSD)

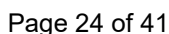
RESULTS

9.5.1. TEST DATA

Mode	Antenna	Channel	Frequency [MHz]	PSD [dBm/3kHz]	Limit [dBm/3kHz]	Margin [dB]
1 Mbps (255pkt)	ANT1	37	2 402	-5.07	8.00	-13.07
		17	2 440	-4.61		-12.61
		39	2 480	-6.15		-14.15
2 Mbps (255 pkt)	ANT1	0	2 404	-7.85		-15.85
		17	2 440	-7.31		-15.31
		36	2 478	-8.80		-16.80
125 kbps (255 pkt)	ANT1	37	2 402	4.53		-3.47
		17	2 440	4.97		-3.03
		39	2 480	3.61		-4.39
500 kbps (37 pkt)	ANT1	37	2 402	4.35		-3.65
		17	2 440	4.76		-3.24
		39	2 480	3.42		-4.58
Worst				4.97		-3.03

9.5.2. PSD TEST PLOTS





9.6. CONDUCTED SPURIOUS EMISSIONS

LIMITS

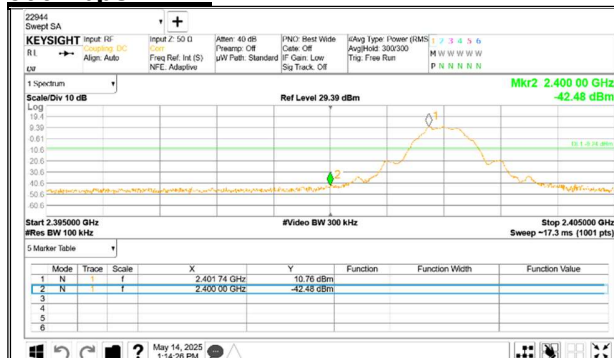
FCC §15.247 (d)

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

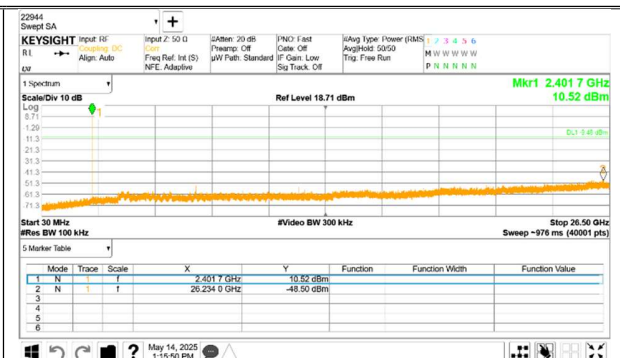
RESULTS

9.6.1. TEST PLOT

500 kbps ANT1



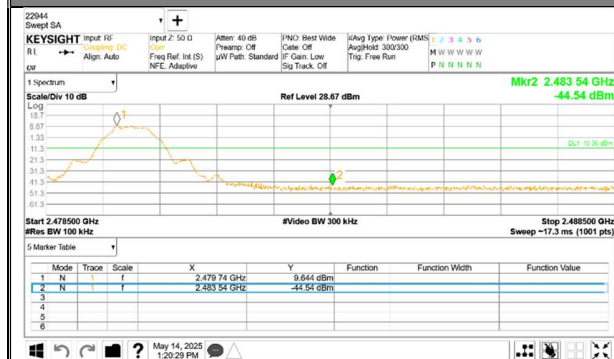
LOW(37) CHANNEL BANDEDGE



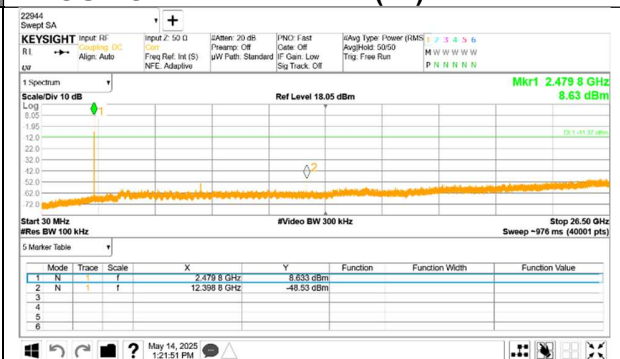
OUT-OF-BAND LOW(37) CHANNEL



OUT-OF-BAND MIDDLE(17) CHANNEL

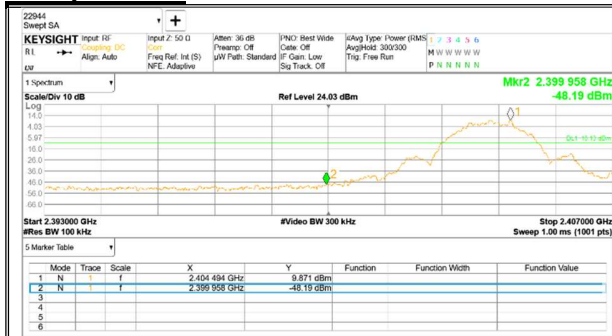


HIGH(39) CHANNEL BANDEDGE

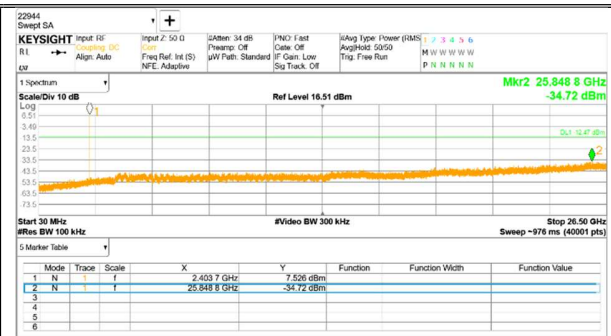


OUT-OF-BAND HIGH(39) CHANNEL

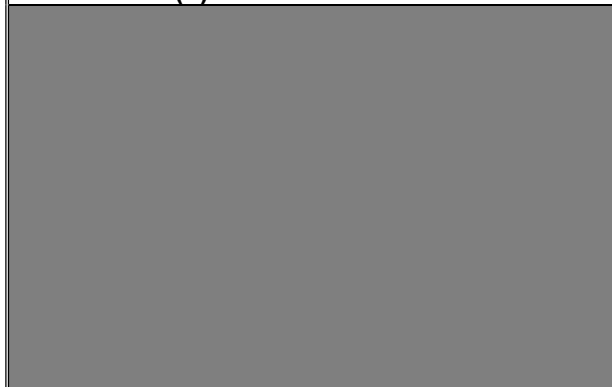
2 Mbps ANT1



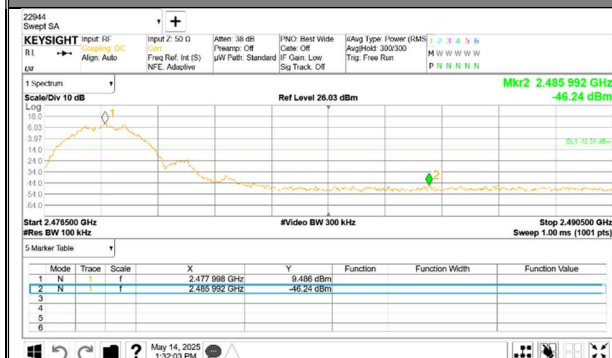
LOW(0) CHANNEL BANDEDGE



OUT-OF-BAND LOW(0) CHANNEL



OUT-OF-BAND MIDDLE(17) CHANNEL



HIGH(36) CHANNEL BANDEDGE



OUT-OF-BAND HIGH(36) 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 (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

** 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 500 kbps, DCF = $10 \log (1/0.5693) = 2.45 \text{ dB}$ (Spectrum Analyzer round it up to 2.45 dB) and for 2 Mbps, DCF = $10 \log (1/0.5736) = 2.41 \text{ dB}$ (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.

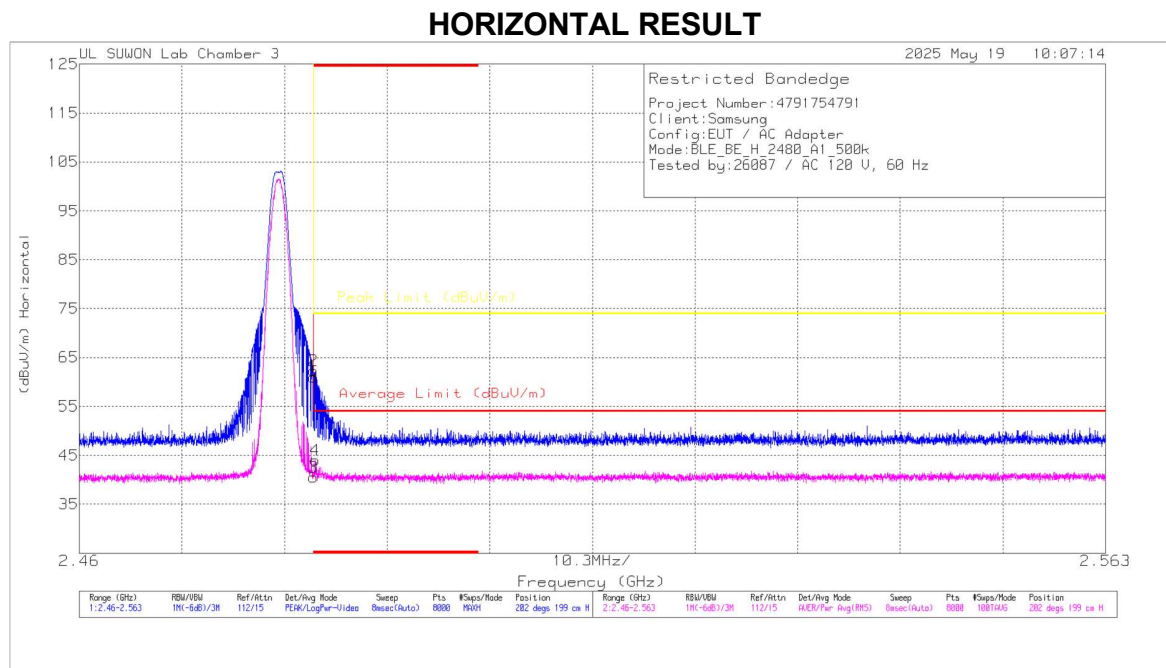
Although these tests were performed other than open field test site, adequate comparison measurements were confirmed against 30 m open are test site.

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.

10.1. TRANSMITTER ABOVE 1 GHz

10.1.1. TX ABOVE 1 GHz BLUETOOTH LE 500 kbps_ANT1

BANDEDGE (WORST CASE: 2480 MHz, ANT1)



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	Antenna_Factor (dBm)	10dB_Path 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	53.47	Pk	32.4	-24.9	0	60.97	-	-	74	-13.03	202	199	H
2	* 2.48351	54.89	Pk	32.4	-24.9	0	62.39	-	-	74	-11.61	202	199	H
3	* 2.4835	30.56	RMS	32.4	-24.9	2.45	40.51	54	-13.49	-	-	202	199	H
4	* 2.48371	34.04	RMS	32.4	-24.9	2.45	43.99	54	-10.01	-	-	202	199	H

* - indicates frequency in 47 CFR Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detector

BANDEDGE TEST DATA

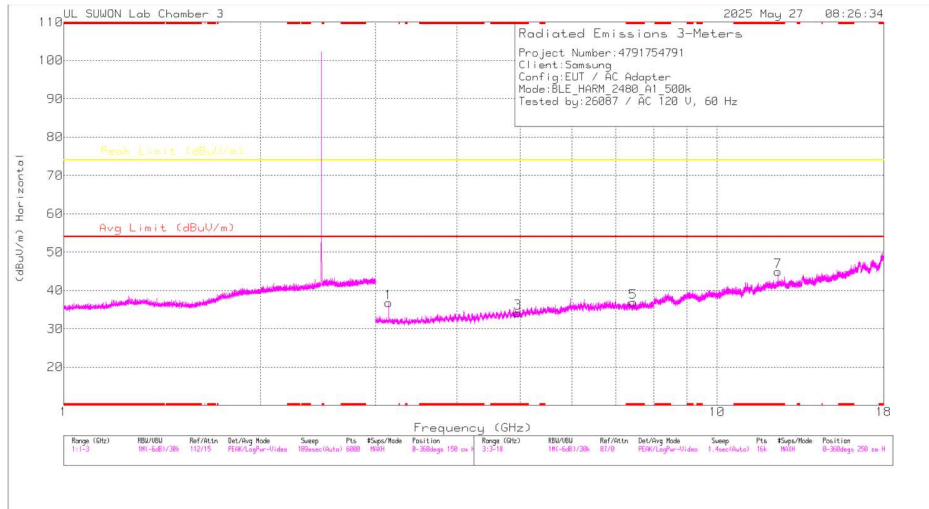
Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor [dB/m]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2402	ANT1	* 2.39	39.56	Pk	32.10	-24.90	0.00	46.76	-	-	74.00	-27.24	205	100	H
		* 2.36017	43.61	Pk	32.00	-25.10	0.00	50.51	-	-	74.00	-23.49	205	100	H
		* 2.39	31.13	RMS	32.10	-24.90	2.45	40.78	54.00	-13.22	-	-	205	100	H
		* 2.36523	31.70	RMS	32.00	-25.10	2.45	41.05	54.00	-12.95	-	-	205	100	H
		* 2.39	40.80	Pk	32.10	-24.90	0.00	48.00	-	-	74.00	-26.00	268	113	V
		* 2.35014	43.08	Pk	32.00	-25.00	0.00	50.08	-	-	74.00	-23.92	268	113	V
		* 2.39	30.38	RMS	32.10	-24.90	2.45	40.03	54.00	-13.97	-	-	268	113	V
		* 2.38317	31.61	RMS	32.10	-25.00	2.45	41.16	54.00	-12.84	-	-	268	113	V
2480	ANT1	* 2.4835	53.47	Pk	32.40	-24.90	0.00	60.97	-	-	74.00	-13.03	202	199	H
		* 2.48351	54.89	Pk	32.40	-24.90	0.00	62.39	-	-	74.00	-11.61	202	199	H
		* 2.4835	30.56	RMS	32.40	-24.90	2.45	40.51	54.00	-13.49	-	-	202	199	H
		* 2.48371	34.04	RMS	32.40	-24.90	2.45	43.99	54.00	-10.01	-	-	202	199	H
		* 2.4835	41.89	Pk	32.40	-24.90	0.00	49.39	-	-	74.00	-24.61	281	104	V
		* 2.48362	50.96	Pk	32.40	-24.90	0.00	58.46	-	-	74.00	-15.54	281	104	V
		* 2.4835	30.47	RMS	32.40	-24.90	2.45	40.42	54.00	-13.58	-	-	281	104	V
		2.555	31.69	RMS	32.40	-24.70	2.45	41.84	54.00	-12.16	-	-	281	104	V

Note1. Pk - Peak detector, RMS - RMS detector

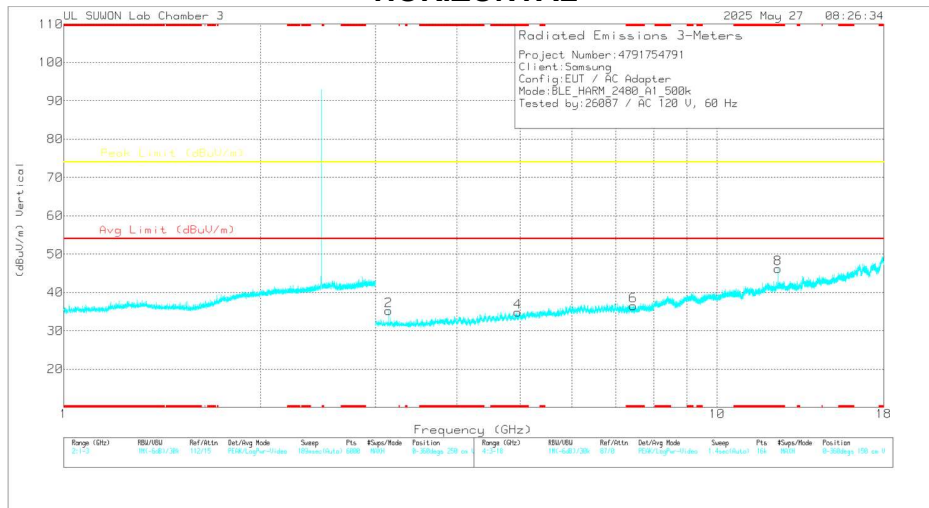
Note2. * - indicates frequency in 47 CFR Pt 15 / IC RSS-Restricted Band

HARMONICS AND SPURIOUS EMISSIONS(WORST CASE: 2480 MHz, ANT1)

2480 MHz 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 Factor (dB/m)	3GHz_HP_Pat h 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
3.14331	44.07	PK2	33	-33.1	0	43.97	-	-	74	-30.03	204	125	H
3.14275	43.29	PK2	33	-33.1	0	43.19	-	-	74	-30.81	215	128	V
* 4.9595	39.78	PK2	34.3	-30.4	0	43.68	-	-	74	-30.32	352	101	H
* 4.95967	28.22	MAV1	34.3	-30.4	2.45	34.57	54	-19.43	-	-	352	101	H
* 4.96494	39.05	PK2	34.3	-30.3	0	43.05	-	-	74	-30.95	214	115	V
* 4.95793	27.4	MAV1	34.3	-30.3	2.45	33.85	54	-20.15	-	-	214	115	V
* 7.43928	35.66	PK2	35.7	-25	0	46.36	-	-	74	-27.64	345	104	H
* 7.44093	24.34	MAV1	35.7	-25	2.45	37.49	54	-16.51	-	-	345	104	H
* 7.4408	35.88	PK2	35.7	-25	0	46.58	-	-	74	-27.42	179	108	V
* 7.43942	24.84	MAV1	35.7	-25	2.45	37.99	54	-16.01	-	-	179	108	V
* 12.39857	37.42	PK2	39.2	-21.7	0	54.92	-	-	74	-19.08	352	113	H
* 12.39874	26.84	MAV1	39.2	-21.6	2.45	46.89	54	-7.11	-	-	352	113	H
* 12.39871	38.27	PK2	39.2	-21.6	0	55.87	-	-	74	-18.13	204	100	V
* 12.3988	27.68	MAV1	39.2	-21.6	2.45	47.73	54	-6.27	-	-	204	100	V

* - indicates frequency in 47 CFR Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

HARMONICS AND SPURIOUS EMISSIONS TEST DATA

Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor [dB/m]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2402	ANT1	3.143	43.62	PK2	33.00	-33.10	0.00	43.52	-	-	74.00	-30.48	202	156	H
		3.143	42.91	PK2	33.00	-33.10	0.00	42.81	-	-	74.00	-31.19	210	127	V
		* 4.80863	31.00	PK2	34.30	-29.80	0.00	35.50	-	-	74.00	-38.50	0	100	H
		* 4.80466	39.54	PK2	34.30	-29.80	0.00	44.04	-	-	74.00	-29.96	0	100	V
		7.205	28.36	PK2	35.80	-25.70	0.00	38.46	-	-	74.00	-35.54	352	100	H
		7.207	35.49	PK2	35.80	-25.70	0.00	45.59	-	-	74.00	-28.41	179	111	V
		* 12.01097	21.32	PK2	38.70	-21.60	0.00	38.42	-	-	74.00	-35.58	281	100	H
		* 12.00882	24.09	MAv1	38.70	-21.60	2.45	43.64	54.00	-10.36	-	-	281	100	H
		* 12.01126	35.37	PK2	38.70	-21.60	0.00	52.47	-	-	74.00	-21.53	224	113	V
		* 12.01125	24.89	MAv1	38.70	-21.60	2.45	44.44	54.00	-9.56	-	-	224	113	V
2440	ANT1	3.143	43.62	PK2	33.00	-33.10	0.00	43.52	-	-	74.00	-30.48	205	127	H
		3.143	43.40	PK2	33.00	-33.10	0.00	43.30	-	-	74.00	-30.70	214	129	V
		* 4.87976	40.57	PK2	34.20	-30.50	0.00	44.27	-	-	74.00	-29.73	0	108	H
		* 4.87954	29.94	MAv1	34.20	-30.50	2.45	36.09	54.00	-17.91	-	-	0	108	H
		* 4.87688	39.28	PK2	34.20	-30.50	0.00	42.98	-	-	74.00	-31.02	0	100	V
		* 7.31949	35.93	PK2	35.80	-25.20	0.00	46.53	-	-	74.00	-27.47	349	100	H
		* 7.31961	24.51	MAv1	35.80	-25.20	2.45	37.56	54.00	-16.44	-	-	349	100	H
		* 7.32067	36.08	PK2	35.80	-25.10	0.00	46.78	-	-	74.00	-27.22	176	106	V
		* 7.31938	25.23	MAv1	35.80	-25.20	2.45	38.28	54.00	-15.72	-	-	176	106	V
		* 12.19853	35.92	PK2	39.00	-21.10	0.00	53.82	-	-	74.00	-20.18	300	111	H
		* 12.19868	25.16	MAv1	39.00	-21.10	2.45	45.51	54.00	-8.49	-	-	300	111	H
		* 12.20125	36.32	PK2	39.00	-21.10	0.00	54.22	-	-	74.00	-19.78	204	100	V
		* 12.19886	25.69	MAv1	39.00	-21.10	2.45	46.04	54.00	-7.96	-	-	204	100	V
		3.143	44.07	PK2	33.00	-33.10	0.00	43.97	-	-	74.00	-30.03	204	125	H
2480	ANT1	3.143	43.29	PK2	33.00	-33.10	0.00	43.19	-	-	74.00	-30.81	215	128	V
		* 4.9595	39.78	PK2	34.30	-30.40	0.00	43.68	-	-	74.00	-30.32	352	101	H
		* 4.95967	28.22	MAv1	34.30	-30.40	2.45	34.57	54.00	-19.43	-	-	352	101	H
		* 4.96494	39.05	PK2	34.30	-30.30	0.00	43.05	-	-	74.00	-30.95	214	115	V
		* 4.95793	27.40	MAv1	34.30	-30.30	2.45	33.85	54.00	-20.15	-	-	214	115	V
		* 7.43928	35.66	PK2	35.70	-25.00	0.00	46.36	-	-	74.00	-27.64	345	104	H
		* 7.44093	24.34	MAv1	35.70	-25.00	2.45	37.49	54.00	-16.51	-	-	345	104	H
		* 7.4408	35.88	PK2	35.70	-25.00	0.00	46.58	-	-	74.00	-27.42	179	108	V
		* 7.43942	24.84	MAv1	35.70	-25.00	2.45	37.99	54.00	-16.01	-	-	179	108	V
		* 12.39857	37.42	PK2	39.20	-21.70	0.00	54.92	-	-	74.00	-19.08	352	113	H
		* 12.39874	26.84	MAv1	39.20	-21.60	2.45	46.89	54.00	-7.11	-	-	352	113	H
		* 12.39871	38.27	PK2	39.20	-21.60	0.00	55.87	-	-	74.00	-18.13	204	100	V
		* 12.3988	27.68	MAv1	39.20	-21.60	2.45	47.73	54.00	-6.27	-	-	204	100	V

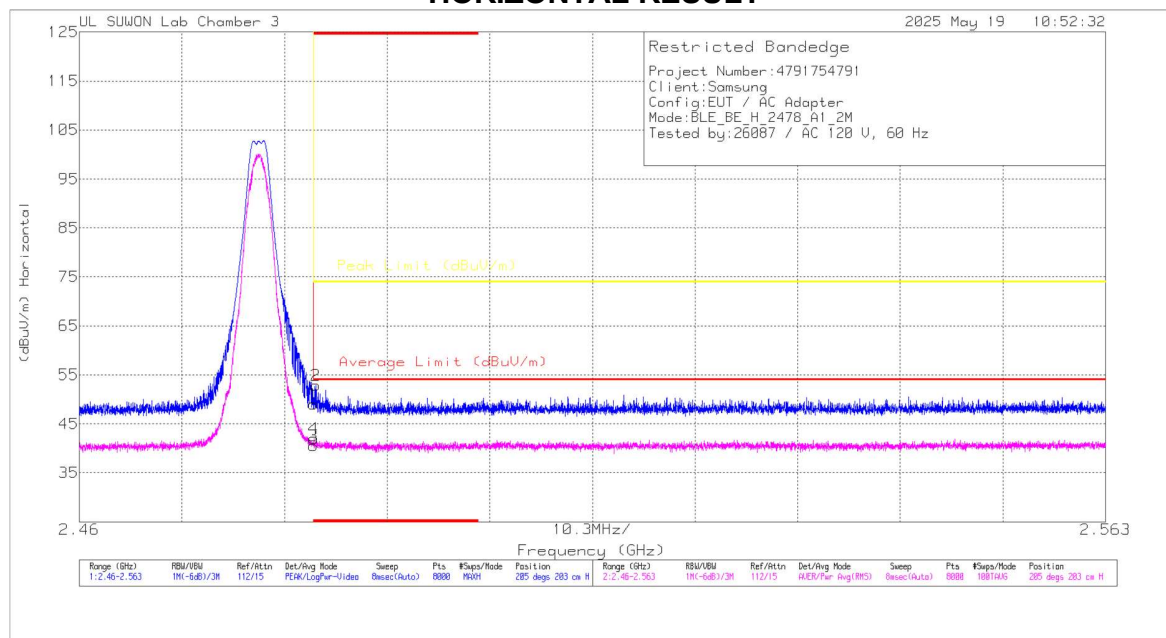
Note1. PK2 - KDB558074 Method: Maximum Peak / MAv1 - KDB558074 Option 1 Maximum RMS Average

Note2. * - indicates frequency in 47 CFR Pt 15 / IC RSS-Restricted Band

10.1.2. TX ABOVE 1 GHz BLUETOOTH LE 2 Mbps_ANT1

BANDEDGE (WORST CASE: 2478 MHz, ANT1)

HORIZONTAL RESULT



Trace Markers

Marker	Frequency (GHz)	Motor Reading (dBuV)	Det	Antenna Factor (dBm)	10dB_Path Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Altitude (m)	Height (cm)	Polarity
1	* 2.4835	41.49	PK	32.4	-24.9	0	48.99	-	-	74	-25.01	205	203	H
2	* 2.48372	45.98	PK	32.4	-24.9	0	52.88	-	-	74	-21.12	205	203	H
3	* 2.4835	30.57	RMS	32.4	-24.9	2.41	40.48	54	-13.52	-	-	205	203	H
4	* 2.48353	32.07	RMS	32.4	-24.9	2.41	41.98	54	-12.02	-	-	205	203	H

* - indicates frequency in 47 CFR Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

BANDEDGE TEST DATA

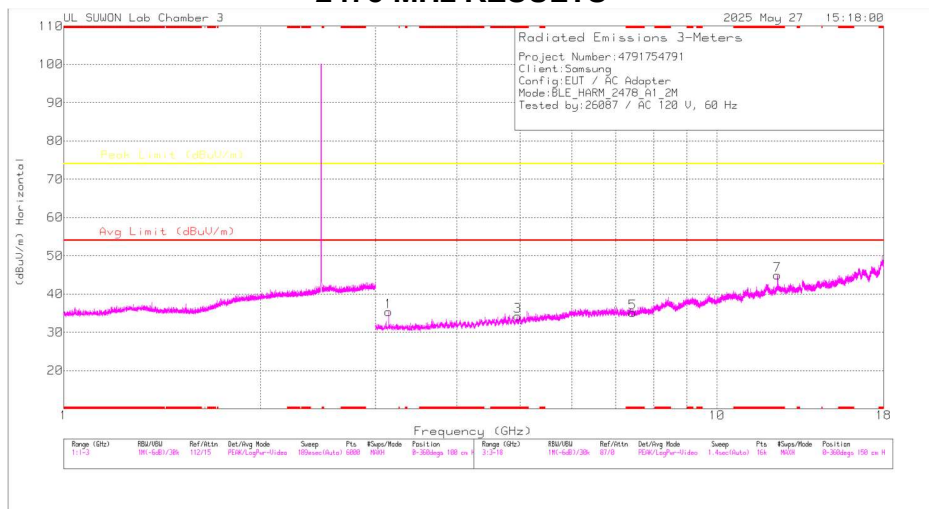
Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor [dB/m]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2404	ANT1	* 2.39	40.33	Pk	32.10	-24.90	0.00	47.53	-	-	74.00	-26.47	201	187	H
		* 2.31062	43.62	Pk	31.80	-25.00	0.00	50.42	-	-	74.00	-23.58	201	187	H
		* 2.39	30.67	RMS	32.10	-24.90	2.41	40.28	54.00	-13.72	-	-	201	187	H
		* 2.38461	31.43	RMS	32.10	-25.00	2.41	40.94	54.00	-13.06	-	-	201	187	H
		* 2.39	40.49	Pk	32.10	-24.90	0.00	47.69	-	-	74.00	-26.31	268	111	V
		* 2.37521	43.15	Pk	32.10	-25.00	0.00	50.25	-	-	74.00	-23.75	268	111	V
		* 2.39	29.93	RMS	32.10	-24.90	2.41	39.54	54.00	-14.46	-	-	268	111	V
		* 2.35967	31.75	RMS	32.00	-25.10	2.41	41.06	54.00	-12.94	-	-	268	111	V
2478	ANT1	* 2.4835	41.49	Pk	32.40	-24.90	0.00	48.99	-	-	74.00	-25.01	205	203	H
		* 2.48372	45.38	Pk	32.40	-24.90	0.00	52.88	-	-	74.00	-21.12	205	203	H
		* 2.4835	30.57	RMS	32.40	-24.90	2.41	40.48	54.00	-13.52	-	-	205	203	H
		* 2.48353	32.07	RMS	32.40	-24.90	2.41	41.98	54.00	-12.02	-	-	205	203	H
		* 2.4835	41.79	Pk	32.40	-24.90	0.00	49.29	-	-	74.00	-24.71	303	104	V
		2.531	43.03	Pk	32.40	-24.80	0.00	50.63	-	-	74.00	-23.37	303	104	V
		* 2.4835	31.21	RMS	32.40	-24.90	2.41	41.12	54.00	-12.88	-	-	303	104	V
		2.517	31.76	RMS	32.40	-24.80	2.41	41.77	54.00	-12.23	-	-	303	104	V

Note1. Pk - Peak detector, RMS - RMS detector

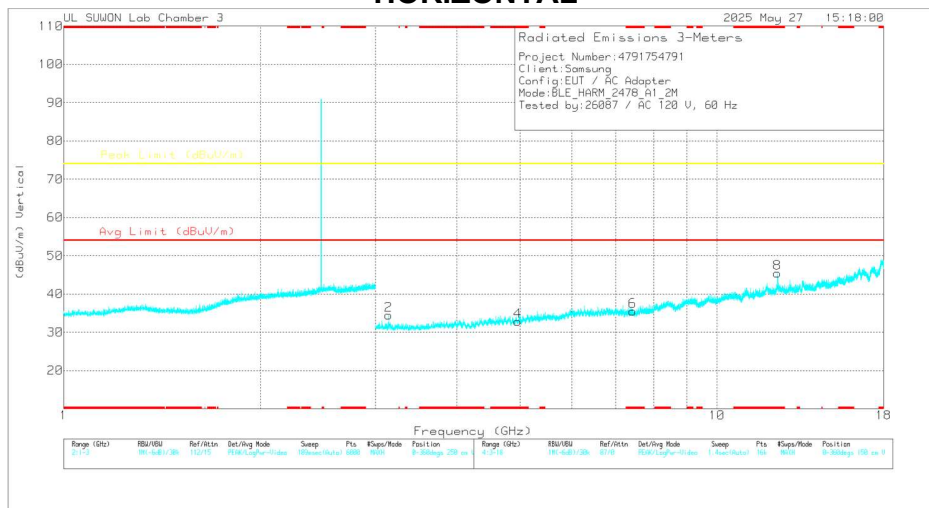
Note2. * - indicates frequency in 47 CFR Pt 15 / IC RSS-Restricted Band

HARMONICS AND SPURIOUS EMISSIONS(WORST CASE: 2478 MHz, ANT1)

2478 MHz 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 Factor (dB/m)	3GHz_HP Path 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
3.14296	44.21	PK2	33	-33.1	0	44.11	-	-	74	-29.89	211	169	H
3.14305	42.5	PK2	33	-33.1	0	42.4	-	-	74	-31.6	212	110	V
* 4.95682	39.52	PK2	34.3	-30.3	0	43.52	-	-	74	-30.48	5	100	H
* 4.95543	27.74	MAV1	34.3	-30.4	2.41	34.05	54	-19.95	-	-	5	100	H
* 4.9607	39.1	PK2	34.3	-30.3	0	43.1	-	-	74	-30.9	0	100	V
* 7.43536	35.42	PK2	35.7	-25	0	46.12	-	-	74	-27.88	341	100	H
* 7.4328	23.85	MAV1	35.7	-24.9	2.41	37.06	54	-16.94	-	-	341	100	H
* 7.43252	35.51	PK2	35.7	-24.9	0	46.31	-	-	74	-27.69	179	116	V
* 7.43261	24.39	MAV1	35.7	-24.9	2.41	37.6	54	-16.4	-	-	179	116	V
* 12.38751	36.71	PK2	39.2	-21.7	0	54.21	-	-	74	-19.79	354	120	H
* 12.38752	25.58	MAV1	39.2	-21.7	2.41	45.49	54	-8.51	-	-	354	120	H
* 12.38757	38.28	PK2	39.2	-21.7	0	55.78	-	-	74	-18.22	207	100	V
* 12.38773	27.22	MAV1	39.2	-21.7	2.41	47.13	54	-6.87	-	-	207	100	V

* - indicates frequency in 47 CFR Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

HARMONICS AND SPURIOUS EMISSIONS TEST DATA

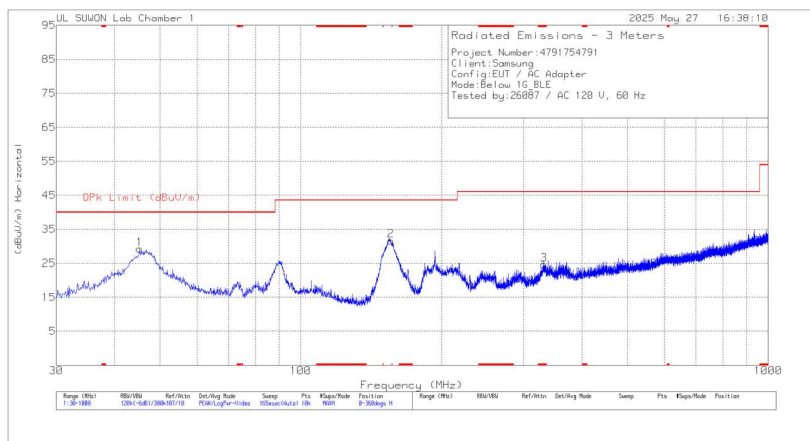
Freq. [MHz]	Antenna	Frequency [GHz]	Reading [dBuV]	Detector Mode	ANT Factor [dB/m]	Loss [dB]	DC Corr [dB]	Result [dBuV/m]	AV Limit [dBuV/m]	AV Margin [dB]	PK Limit [dBuV/m]	PK Margin [dB]	Azimuth [Degs]	Height [cm]	Polarity
2404	ANT1	3.143	42.73	PK2	33.00	-33.10	0.00	42.63	-	-	74.00	-31.37	329	101	H
		3.143	42.73	PK2	33.00	-33.10	0.00	42.63	-	-	74.00	-31.37	212	128	V
		* 4.80441	39.01	PK2	34.30	-29.80	0.00	43.51	-	-	74.00	-30.49	0	100	H
		* 4.80483	39.18	PK2	34.30	-29.80	0.00	43.68	-	-	74.00	-30.32	0	100	V
		7.206	35.05	PK2	35.80	-25.70	0.00	45.15	-	-	74.00	-28.85	355	111	H
		7.213	35.68	PK2	35.80	-25.70	0.00	45.78	-	-	74.00	-28.22	178	100	V
		* 12.01758	35.33	PK2	38.70	-21.60	0.00	52.43	-	-	74.00	-21.57	302	100	H
		* 12.01768	23.92	MAV1	38.70	-21.60	2.41	43.43	54.00	-10.57	-	-	302	100	H
		* 12.02235	35.72	PK2	38.70	-21.60	0.00	52.82	-	-	74.00	-21.18	224	108	V
		* 12.02237	24.52	MAV1	38.70	-21.60	2.41	44.03	54.00	-9.97	-	-	224	108	V
2440	ANT1	3.143	43.94	PK2	33.00	-33.10	0.00	43.84	-	-	74.00	-30.16	203	125	H
		3.143	42.80	PK2	33.00	-33.10	0.00	42.70	-	-	74.00	-31.30	212	110	V
		* 4.87917	40.42	PK2	34.20	-30.60	0.00	44.02	-	-	74.00	-29.98	0	109	H
		* 4.87897	29.03	MAV1	34.20	-30.60	2.41	35.04	54.00	-18.96	-	-	0	109	H
		* 4.87463	40.39	PK2	34.20	-30.50	0.00	44.09	-	-	74.00	-29.91	263	362	V
		* 4.88076	28.13	MAV1	34.20	-30.60	2.41	34.14	54.00	-19.86	-	-	263	362	V
		* 7.31737	35.74	PK2	35.80	-25.10	0.00	46.44	-	-	74.00	-27.56	342	103	H
		* 7.31893	24.00	MAV1	35.80	-25.20	2.41	37.01	54.00	-16.99	-	-	342	103	H
		* 7.31854	35.92	PK2	35.80	-25.20	0.00	46.52	-	-	74.00	-27.48	179	106	V
		* 7.3187	24.37	MAV1	35.80	-25.20	2.41	37.38	54.00	-16.62	-	-	179	106	V
		* 12.19748	35.90	PK2	39.00	-21.10	0.00	53.80	-	-	74.00	-20.20	319	100	H
		* 12.19778	24.34	MAV1	39.00	-21.10	2.41	44.65	54.00	-9.35	-	-	319	100	H
		* 12.20248	36.49	PK2	39.00	-21.10	0.00	54.39	-	-	74.00	-19.61	224	104	V
		* 12.20235	25.88	MAV1	39.00	-21.10	2.41	46.19	54.00	-7.81	-	-	224	104	V
2478	ANT1	3.143	44.21	PK2	33.00	-33.10	0.00	44.11	-	-	74.00	-29.89	211	169	H
		3.143	42.50	PK2	33.00	-33.10	0.00	42.40	-	-	74.00	-31.60	212	110	V
		* 4.95682	39.52	PK2	34.30	-30.30	0.00	43.52	-	-	74.00	-30.48	5	100	H
		* 4.95543	27.74	MAV1	34.30	-30.40	2.41	34.05	54.00	-19.95	-	-	5	100	H
		* 4.9607	39.10	PK2	34.30	-30.30	0.00	43.10	-	-	74.00	-30.90	0	100	V
		* 7.43536	35.42	PK2	35.70	-25.00	0.00	46.12	-	-	74.00	-27.88	341	100	H
		* 7.4328	23.85	MAV1	35.70	-24.90	2.41	37.06	54.00	-16.94	-	-	341	100	H
		* 7.43252	35.51	PK2	35.70	-24.90	0.00	46.31	-	-	74.00	-27.69	179	116	V
		* 7.43261	24.39	MAV1	35.70	-24.90	2.41	37.60	54.00	-16.40	-	-	179	116	V
		* 12.38751	36.71	PK2	39.20	-21.70	0.00	54.21	-	-	74.00	-19.79	354	120	H
		* 12.38752	25.58	MAV1	39.20	-21.70	2.41	45.49	54.00	-8.51	-	-	354	120	H
		* 12.38757	38.28	PK2	39.20	-21.70	0.00	55.78	-	-	74.00	-18.22	207	100	V
		* 12.38773	27.22	MAV1	39.20	-21.70	2.41	47.13	54.00	-6.87	-	-	207	100	V

Note1. PK2 - KDB558074 Method: Maximum Peak / MAV1 - KDB558074 Option 1 Maximum RMS Average

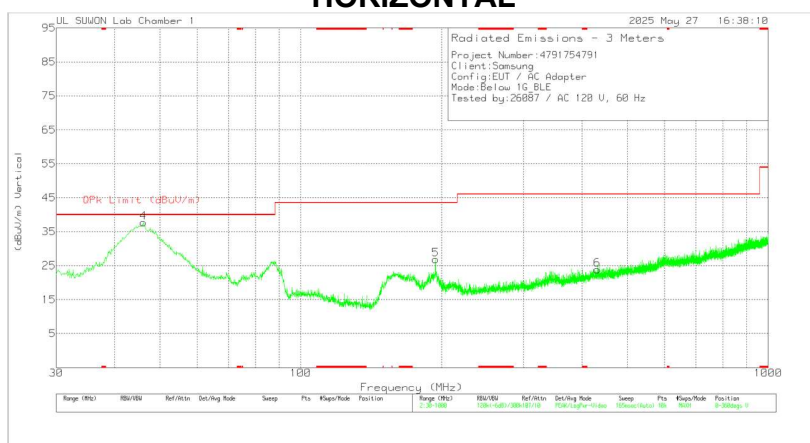
Note2. * - indicates frequency in 47 CFR Pt 15 / IC RSS-Restricted Band

10.2. 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_Factor (dB/m)	Below_1G Path Loss(dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	45.229	40.51	PK	19.6	-30.9	29.21	40	-10.79	0-360	300	H
2	155.906	47.16	PK	14.1	-29.6	31.66	43.52	-11.86	0-360	100	H
3	* 331.088	32.95	PK	20	-28.3	24.65	46.02	-21.37	0-360	100	H
4	46.102	49.01	PK	19.7	-31	37.71	40	-2.29	0-360	200	V
5	194.415	39.06	PK	17.1	-29.3	26.86	43.52	-16.66	0-360	200	V
6	430.804	29.82	PK	21.8	-27.8	23.82	46.02	-22.2	0-360	200	V

* - indicates frequency in 47 CFR Pt 15 / IC RSS-Restricted Band

PK - Peak detector

Radiated Emissions

Frequency (MHz)	Meter Reading (dBuV)	Det	Antenna_Factor (dB/m)	Below_1G Path Loss(dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
46.102	42.02	Qp	19.7	-31	30.72	40	-9.28	155	122	V

* - indicates frequency in 47 CFR Pt 15 / IC RSS-Restricted Band

Qp - Quasi-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.

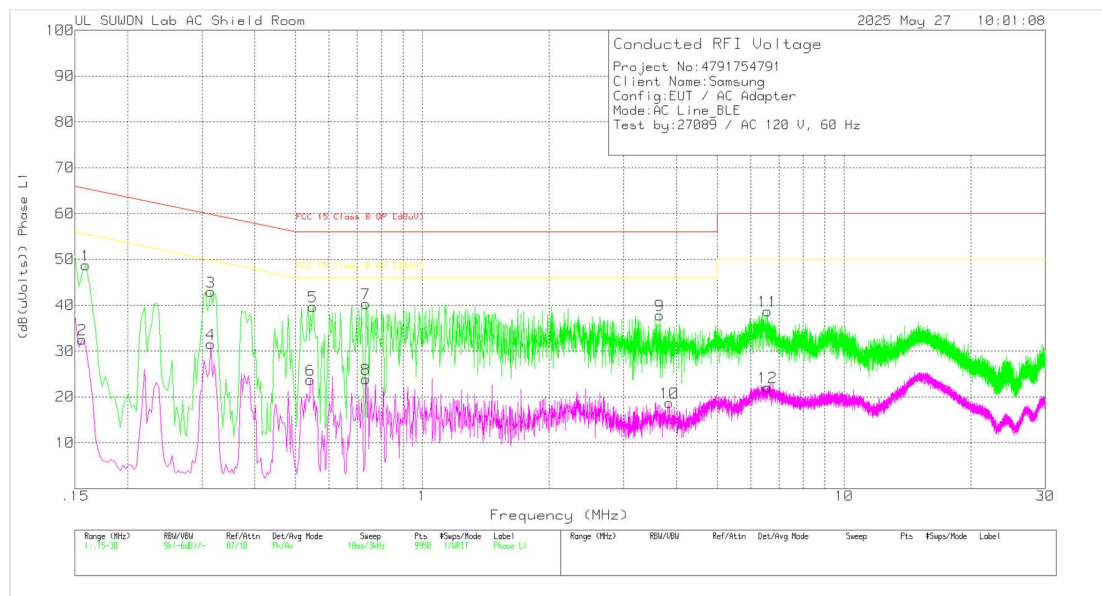
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

11.1. AC Power Line

LINE 1 RESULTS



Trace Markers

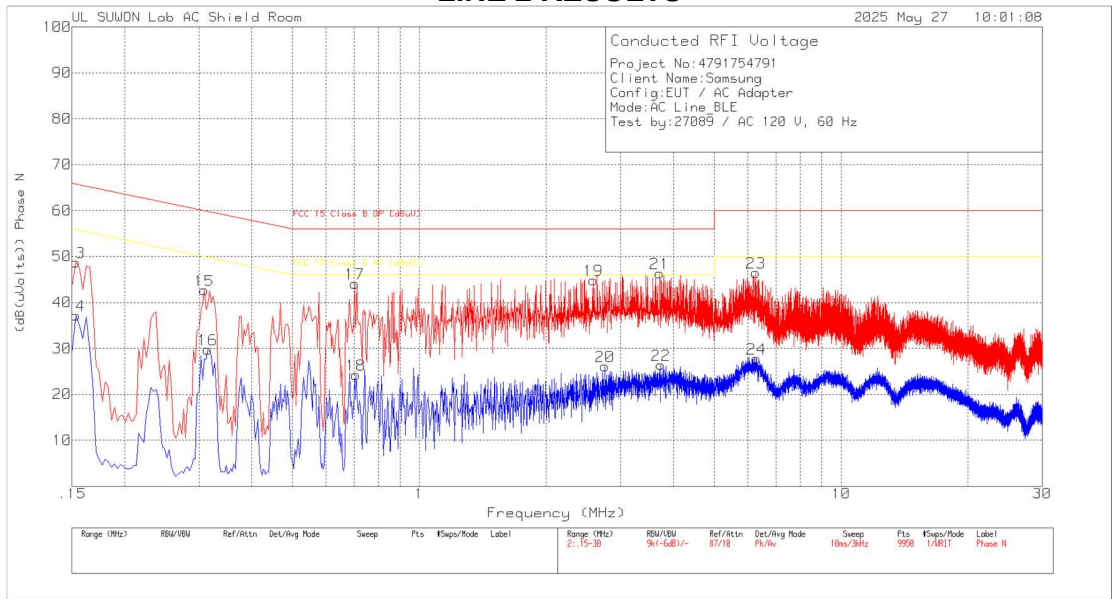
Range 1: Phase L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101836_Wit h EX_L1 [dB]	Cable Loss [dB]	Corrected Reading [dBuV]	FCC 15 Class B QP [dBuV]	Margin (dB)	FCC 15 Class B AV [dBuV]	Margin (dB)
1	.159	38.87	Pk	9.8	.1	48.77	65.52	-16.75	-	-
2	.156	22.68	Av	9.8	.1	32.58	-	-	55.67	-23.09
3	.315	33.1	Pk	9.7	.1	42.9	59.84	-16.94	-	-
4	.315	21.69	Av	9.7	.1	31.49	-	-	49.84	-18.35
5	.549	29.7	Pk	9.9	.1	39.7	56	-16.3	-	-
6	.543	13.68	Av	9.9	.1	23.68	-	-	46	-22.32
7	.735	30.43	Pk	9.8	.1	40.33	56	-15.67	-	-
8	.735	13.91	Av	9.8	.1	23.81	-	-	46	-22.19
9	3.657	28.02	Pk	9.7	.1	37.82	56	-18.18	-	-
10	3.849	8.87	Av	9.7	.1	18.67	-	-	46	-27.33
11	6.579	28.72	Pk	9.8	.2	38.72	60	-21.28	-	-
12	6.579	12.15	Av	9.8	.2	22.15	-	-	50	-27.85

Pk - Peak detector

Av - Average detector

LINE 2 RESULTS



Trace Markers

Range 2: Phase N .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101836_With EX_N [dB]	Cable Loss [dB]	Corrected Reading [dBuV]	FCC 15 Class B QP [dBuV]	Margin (dB)	FCC 15 Class B AV [dBuV]	Margin (dB)
13	.153	38.88	Pk	9.8	.1	48.78	65.84	-17.06	-	-
14	.153	27.24	Av	9.8	.1	37.14	-	-	55.84	-18.7
15	.309	32.85	Pk	9.7	.1	42.65	60	-17.35	-	-
16	.315	19.98	Av	9.7	.1	29.78	-	-	49.84	-20.06
17	.702	34.18	Pk	9.8	.1	44.08	56	-11.92	-	-
18	.708	14.3	Av	9.8	.1	24.2	-	-	46	-21.8
19	2.583	35.02	Pk	9.7	.1	44.82	56	-11.18	-	-
20	2.757	16.31	Av	9.7	.1	26.11	-	-	46	-19.89
21	3.717	36.52	Pk	9.7	.1	46.32	56	-9.68	-	-
22	3.741	16.63	Av	9.7	.1	26.43	-	-	46	-19.57
23	6.276	36.46	Pk	9.8	.2	46.46	60	-13.54	-	-
24	6.294	17.73	Av	9.8	.2	27.73	-	-	50	-22.27

Pk - Peak detector
Av - Average detection

Quasi-Peak Emissions

Range 2: Phase N .15 - 30MHz									
Frequency (MHz)	Meter Reading (dBuV)	Det	101836_With EX_N [dB]	Cable Loss [dB]	Corrected Reading [dBuV]	FCC 15 Class B QP [dBuV]	Margin (dB)	FCC 15 Class B AV [dBuV]	Margin (dB)
3.71625	24.84	Qp	9.7	.1	34.64	56	-21.36	-	-

Qp - Quasi-Peak detector

END OF TEST REPORT