

TEST REPORT

Report Number: R15872942-E3

Applicant : Samsung Electronics Co., Ltd.
129, Samsung-ro, Yeongtong-gu, Suwon-si,
Gyeonggi-do, 16677, Republic of Korea

Model : SM-A175F / SM-A175F/DS

FCC ID : A3LSMA175F

EUT Description : Smartphone

Test Standard(s) : FCC 47 CFR PART 15 SUBPART C: 2025

Date Of Issue:
2025-07-23

Prepared by:
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REPORT REVISION HISTORY

Rev.	Issue Date	Revisions	Revised By
1	2025-07-16	Initial Issue	B. Kiewra
2	2025-07-23	Added additional model number	B. Kiewra

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: Samsung Electronics Co., Ltd.
129, Samsung-ro, Yeongtong-gu, Suwon-si,
Gyeonggi-do, 16677, Republic of Korea

EUT DESCRIPTION: Smartphone

MODEL: SM-A175F / SM-A175F/DS

SERIAL NUMBER: R38Y500BA5H, R38Y50033YM

SAMPLE RECEIPT DATE: 2025-06-20

DATE TESTED: 2025-06-27 to 2025-07-11

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

UL LLC tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. All samples tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise.

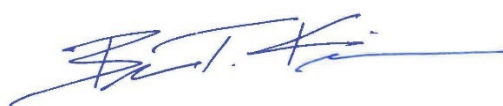
This document may not be altered or revised in any way unless done so by UL LLC and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL LLC will constitute fraud and shall nullify the document.

Approved & Released
For UL LLC By:

Prepared By:



Jeffrey Moser
Operations Manager
Consumer, Medical and IT Segment
UL LLC



Brian Kiewra
Project Engineer
Consumer, Medical and IT Segment
UL LLC

2. TEST RESULTS SUMMARY

This report contains data provided by the customer which can impact the validity of results. UL LLC is only responsible for correctly integrating customer-provided data with measurements performed by UL LLC.

Below is a list of the data provided by the customer:

- 1) Antenna gain and type (section 6.3)

FCC Clause	Requirement	Result	Comment
See Comment	Duty Cycle	Reporting purposes only	ANSI C63.10 Section 11.6.
15.247 (a) (2)	6dB BW	Compliant	None.
15.247 (b) (3)	Output Power		None.
See Comment	Average power	Reporting purposes only	Per ANSI C63.10, Section 11.9.2.3.2.
15.247 (e)	PSD	Compliant	None.
15.247 (d)	Conducted Spurious Emissions		None.
15.209, 15.205	Radiated Emissions		None.
15.207	AC Mains Conducted Emissions		None.

3. TEST METHODOLOGY

The tests documented in this report were performed in accordance with FCC 47 CFR Part 2, FCC 47 CFR Part 15, ANSI C63.10-2020, KDB 558074 D01 15.247 Meas Guidance v05r02, KDB 414788 D01 Radiated Test Site v01r01.

4. FACILITIES AND ACCREDITATION

UL LLC is accredited by A2LA, Certificate Number 0751.06, for all testing performed within the scope of this report. Testing was performed at the locations noted below.

	Address	ISED CABID	ISED Company Number	FCC Registration
☐	Building: 12 Laboratory Dr Durham, NC 27713, U.S.A	US0067	2180C	825374
☒	Building: 2800 Perimeter Park Dr. Suite B Morrisville, NC 27560, U.S.A		27265	

5. DECISION RULES AND MEASUREMENT UNCERTAINTY

5.1. METROLOGICAL TRACEABILITY

All test and measuring equipment utilized to perform the tests documented in this report are calibrated on a regular basis, with a maximum time between calibrations of one year or the manufacturers' recommendation, whichever is less, and where applicable is traceable to recognized national standards.

5.2. DECISION RULES

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4:2012 Clause 8.2. (Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

5.3. MEASUREMENT UNCERTAINTY

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

PARAMETER	UNCERTAINTY
Radio Frequency (Spectrum Analyzer)	141.2 Hz
Occupied Channel Bandwidth	1.22%
RF output power, conducted	1.3 dB (PK) 0.45 dB (AV)
Power Spectral Density, conducted	2.47 dB
Unwanted Emissions, conducted	1.94 dB
All emissions, radiated	6.01 dB
Conducted Emissions (0.150-30MHz) - LISN	3.40 dB
Temperature	0.57°C
Humidity	3.39%
DC Supply voltages	1.70%
Time	3.39%

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

5.4. SAMPLE CALCULATION

RADIATED EMISSIONS

Where relevant, the following sample calculation is provided:

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

MAINS CONDUCTED EMISSIONS

Where relevant, the following sample calculation is provided:

Final Voltage (dBuV) = Measured Voltage (dBuV) + Cable Loss (dB) + Limiter Factor (dB) + LISN Insertion Loss.
 $36.5 \text{ dBuV} + 0 \text{ dB} + 10.1 \text{ dB} + 0 \text{ dB} = 46.6 \text{ dBuV}$

6. EQUIPMENT UNDER TEST

6.1. EUT DESCRIPTION

The EUT is a smartphone. This report covers the emissions testing of the BT radio.

6.2. MAXIMUM OUTPUT POWER

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

Frequency Range (MHz)	Mode	Output Power (dBm)	Output Power (mW)
2402 - 2480	BLE	7.15	5.19

6.3. DESCRIPTION OF AVAILABLE ANTENNAS

The antenna gain and type, as provided by the manufacturer' are as follows:

Frequency (MHz)	Gain (dBi)	Type
2400-2483.5	-3.8	PIFA

6.4. SOFTWARE AND FIRMWARE

Manufacturer will disclose upon request.

6.5. WORST-CASE CONFIGURATION AND MODE

Radiated emissions below 1GHz and above 18GHz and AC Mains emissions were performed with the EUT set to transmit at the mode and channel with the highest PSD as a worst-case mode.

Band edge was performed with the EUT set to transmit at the highest power on low and high channels at 125kbps (highest PSD) and 2Mbps (widest signal). Radiated spurious emissions between 1GHz and 18GHz were performed with the EUT set to transmit on low, mid, and high channels at 125kbps (highest PSD) and 2Mbps (widest signal).

The fundamental of the EUT was investigated in three orthogonal orientations X,Y, and Z. It was determined that Y orientation was the worst-case orientation; therefore, all final radiated testing was performed with the antennas in Y orientation.

6.6. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacturer	Model	Serial Number	FCC ID
AC Adaptor	Samsung	EP-T2510	R3738S0231SEA	n/a

I/O CABLES

I/O Cable List						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	USB-C	1	USB-C	Shielded	<3m	Connects to AC adaptor

TEST SETUP

Test software exercised the radio card.

SETUP DIAGRAMS

Please refer to R15872942-EP1 for setup diagrams

7. TEST AND MEASUREMENT EQUIPMENT

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

Test Equipment Used - Radiated Disturbance Emissions Test Equipment (Morrisville – Chamber 4)

Equipment ID	Description	Manufacturer/Brand	Model Number	Last Cal.	Next Cal.
1-18 GHz					
206211	Double-Ridged Waveguide Horn Antenna, 1 to 18 GHz	ETS Lindgren	3117	2024-04-09	2026-04-09
18-40 GHz					
91186	Horn Antenna, 18-26.5GHz	ARA	MWH-1826/B	2024-05-16	2026-05-16
Gain-Loss Chains					
207640	Gain-loss string: 1-18GHz	Various	Various	2025-06-13	2026-06-13
225795	Gain-loss string: 18-40GHz	Various	Various	2025-06-13	2026-06-13
Receiver & Software					
197954	Spectrum Analyzer	Rohde & Schwarz	ESW44	2025-04-21	2026-04-21
SOFTEMI	EMI Software	UL	Version 9.5 (18 Oct 2021)		
Additional Equipment used					
241204	Environmental Meter	Fisher Scientific	15-077-963	2023-09-05	2025-09-05

Test Equipment Used - Radiated Disturbance Emissions Test Equipment (Morrisville – Chamber 1)

Equipment ID	Description	Manufacturer	Model Number	Last Cal.	Next Cal.
0.009-30MHz					
135144	Active Loop Antenna	ETS-Lindgren	6502	2024-10-02	2025-10-02
30-1000 MHz					
90629	Hybrid Broadband Antenna	Sunol Sciences Corp.	JB3	2024-01-30	2026-01-30
Gain-Loss Chains					
91974	Gain-loss string: 0.009-30MHz	Various	Various	2025-05-31	2026-05-31
91976	Gain-loss string: 25-1000MHz	Various	Various	2025-05-31	2026-05-31
Receiver & Software					
197955	Spectrum Analyzer	Rohde & Schwarz	ESW44	2025-05-12	2026-05-12
SOFTEMI	EMI Software	UL	Version 9.5 (18 Oct 2021)		
Additional Equipment used					
241205	Environmental Meter	Fisher Scientific	15-077-963	2023-09-05	2025-09-05

Test Equipment Used - Line-Conducted Emissions – Voltage (Morrisville – Conducted 1)

Equipment ID	Description	Manufacturer	Model Number	Last Cal.	Next Cal.
70374	EMI Test Receiver	ROHDE & SCHWARZ	ESCI7	2024-07-30	2025-07-30
CBL087	Coax cable, RG223, N-male to BNC-male, 20-ft.	Pasternack	PE3W06143-240	2025-04-17	2026-04-17
179892	Environmental Meter	Fisher Scientific	15-077-963	2024-08-12	2025-08-12
52859	Transient Limiter, 0.009-100MHz	Electro-Metrics	EM-7600	2025-04-17	2026-04-17
80391	LISN, 50-ohm/50-uH, 250uH 2-conductor, 25A	Fischer Custom Com.	FCC-LISN-50/250-25-2-01	2024-08-01	2025-08-01
236852	CW-AC Power Source	Ametek	CW2501	NA	NA
SOFTEMI	EMI Software	UL	Version 9.5 (18 Oct 2021)		

Test Equipment Used - Wireless Conducted Measurement Equipment

Equipment ID	Description	Manufacturer	Model Number	Last Cal.	Next Cal.
214284	Spectrum Analyzer	Rohde & Schwarz	FSW50	2025-03-14	2026-03-14
207726	Temp/Humid Chamber	Thermotron	SM-32-8200	2025-01-15	2026-01-15
179892	Environmental Meter	Fisher Scientific	15-077-963	2024-08-12	2025-08-12
76022	DC Regulated Power Supply	CircuitSpecialists.Com	CSI3005X5	NA	NA
SOFTEMI	Antenna Port Software	UL	Version 2024.2.23		
Power Software	Boonton Power Analyzer	Boonton	Version 3.0.13.0		
CBL010	Micro-Coax UTiFLEX Cable Assembly, Low Loss	Carlisle Interconnect Technologies	UFB293C-0-2400-300300	2025-06-06	2026-06-06
CBL036	N-Type Cable	NA	NA	2025-04-1	2026-04-01
Pad II	SMA Coaxial 10dB Attenuator 25MHz-18GHz	CentricRF	C27S-10	2025-05-20	2026-05-20
238018 (CPL003-SAR)	Ultra-Wideband Directional Coupler 0.5-18GHz	Mini-Circuits	ZUDC10-183+	2025-04-16	2026-04-16

8. MEASUREMENT METHOD

6 dB BW: ANSI C63.10 Subclause -11.8.1

Occupied BW (99%): ANSI C63.10 Section 6.9.3

Output Power: ANSI C63.10 Subclause -11.9.1.3 Method PKPM1 Peak-reading power meter
ANSI C63.10 Subclause -11.9.2.3.2 Method AVGPM-G (Measurement using a
gated RF average-reading power meter)

PSD: ANSI C63.10 Subclause -11.10.2 Method PKPSD (peak PSD)

Conducted emissions non-restricted frequency bands: ANSI C63.10 Subclause -11.11 and
6.10.4

Radiated emissions restricted & unrestricted frequency bands: ANSI C63.10 Subclause -11.12.1
and 6.10.5, 6.3 to 6.6.

AC Power-line conducted emissions: ANSI C63.10, Section 6.2.

9. ANTENNA PORT TEST RESULTS

9.1. ON TIME AND DUTY CYCLE

LIMITS

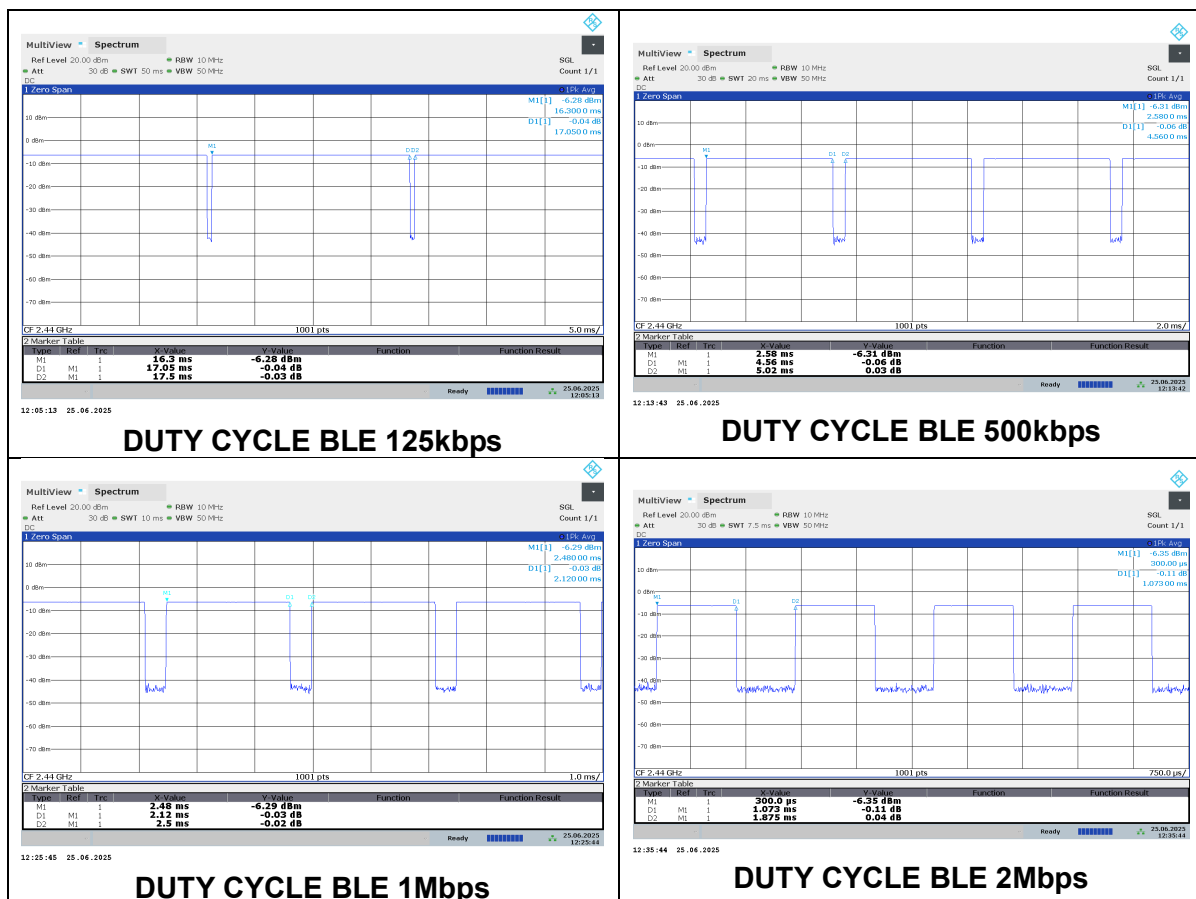
None; for reporting purposes only.

PROCEDURE

KDB 558074 Zero-Span Spectrum Analyzer Method.

Mode	ON Time B (msec)	Period (msec)	Duty Cycle x (linear)	Duty Cycle	Duty Cycle Correction Factor (dB)	1/B Minimum VBW (kHz)
BLE 125kbps	17.050	17.500	0.974	97.43%	0.23	0.059
BLE 500kbps	4.560	5.020	0.908	90.84%	0.83	0.219
BLE 1Mbps	2.120	2.500	0.848	84.80%	1.43	0.472
BLE 2Mbps	1.073	1.875	0.572	57.23%	4.85	0.932

Tester ID: 19289



9.2. 6 dB BANDWIDTH

LIMITS

FCC §15.247 (a) (2)

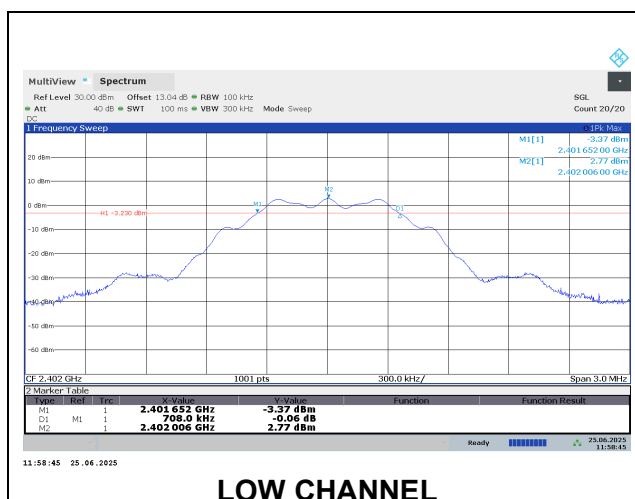
The minimum 6 dB bandwidth shall be at least 500 kHz.

Tester ID: 104463/85502

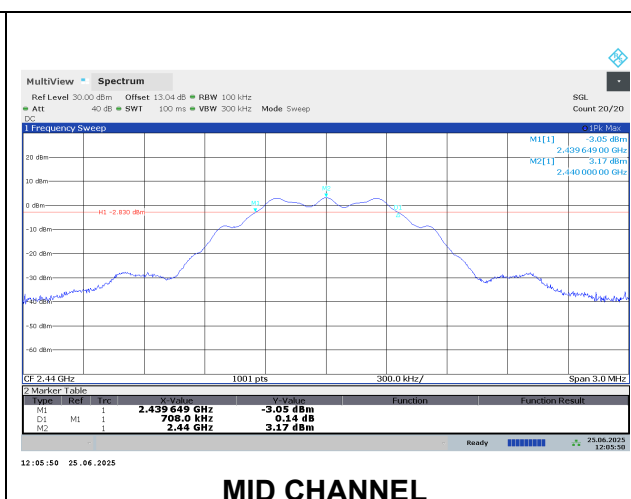
RESULTS

9.2.1. BLE (125kbps)

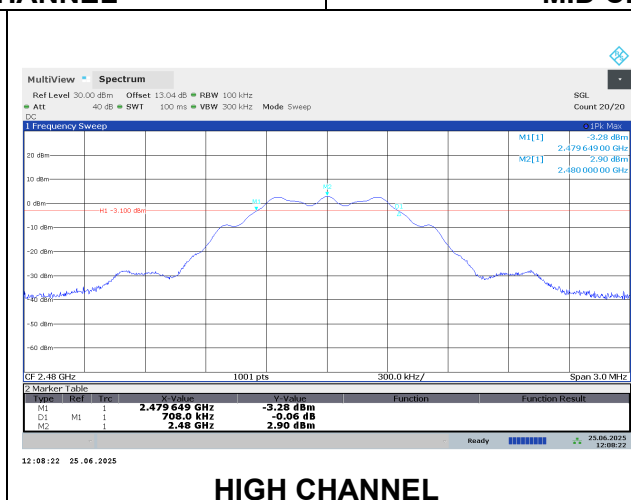
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	2402	0.708	0.500
Middle	2440	0.708	0.500
High	2480	0.708	0.500



LOW CHANNEL



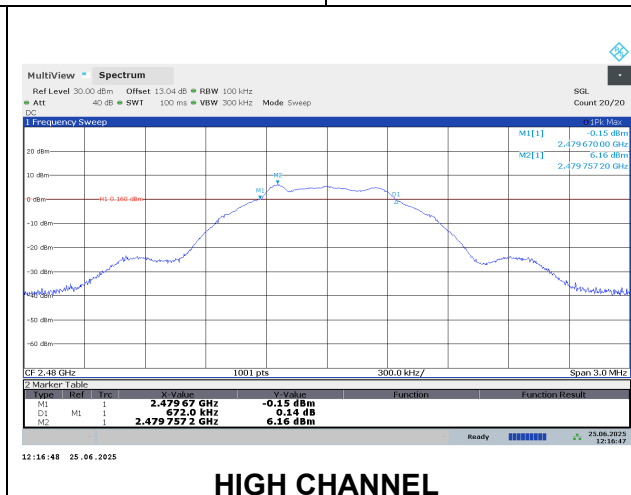
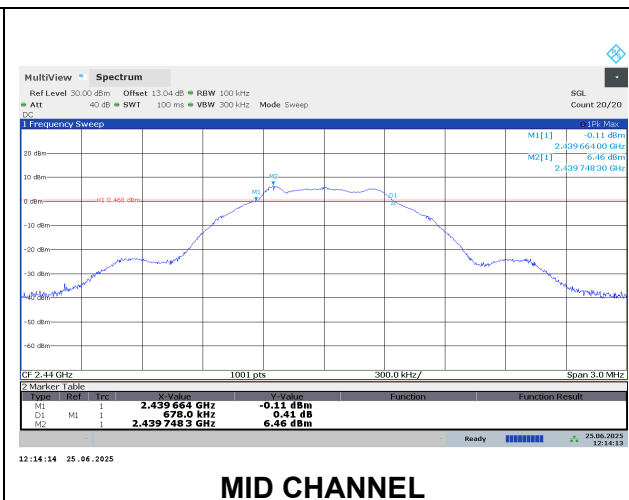
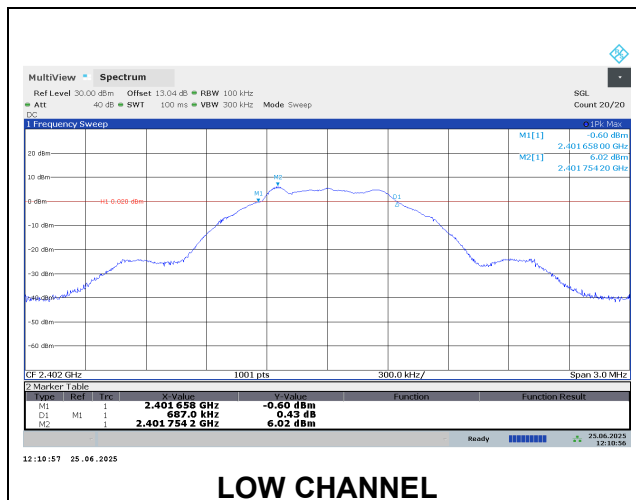
MID CHANNEL



HIGH CHANNEL

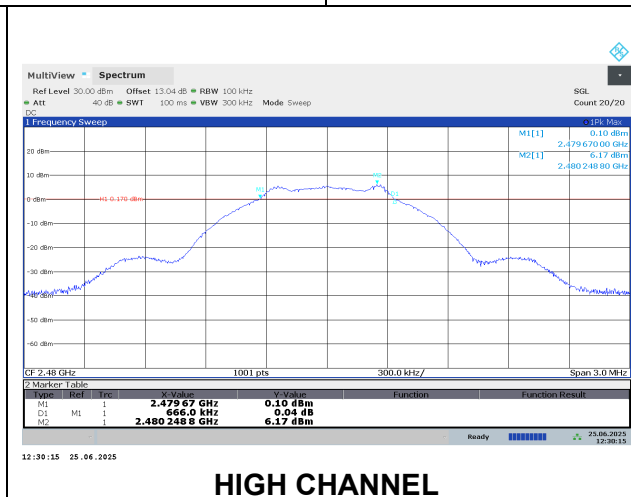
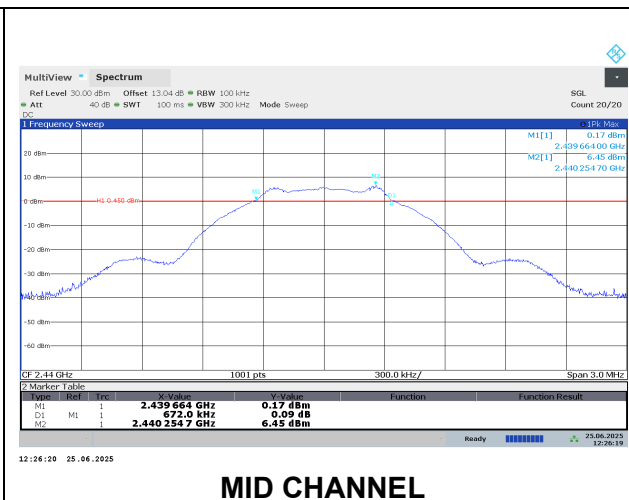
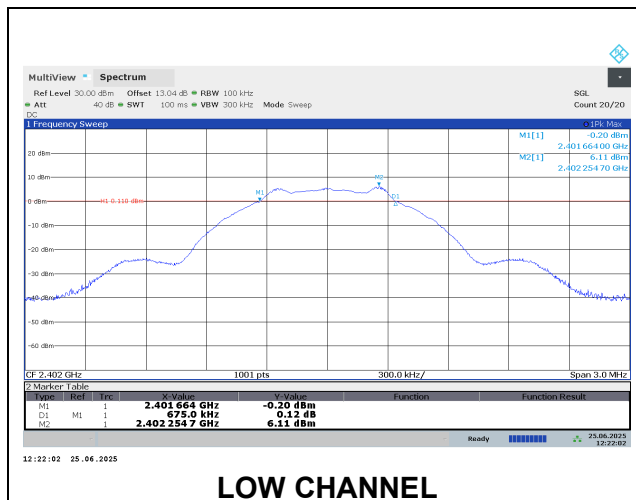
9.2.2. BLE (500kbps)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	2402	0.687	0.500
Middle	2440	0.678	0.500
High	2480	0.672	0.500



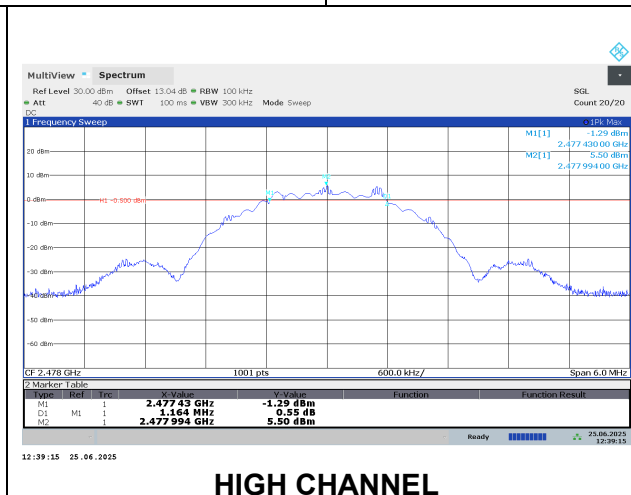
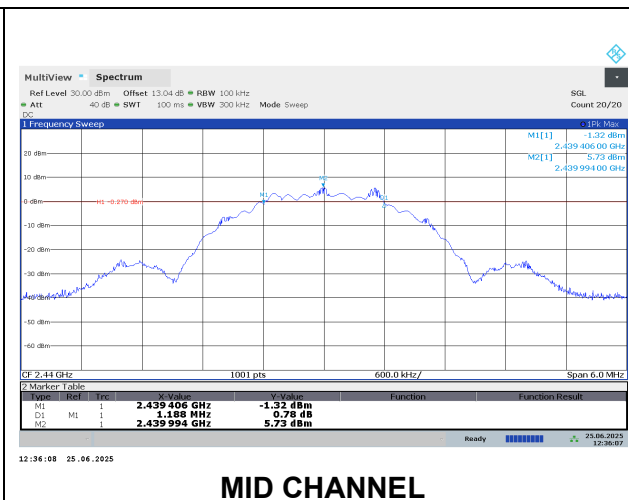
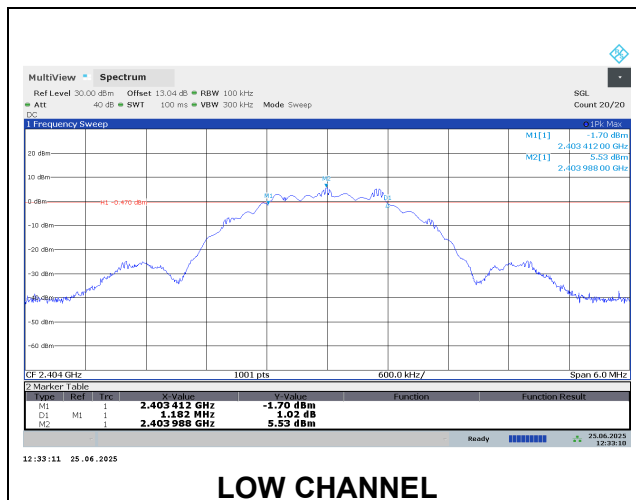
9.2.3. BLE (1Mbps)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	2402	0.675	0.500
Middle	2440	0.672	0.500
High	2480	0.666	0.500



9.2.4. BLE (2Mbps)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	2404	1.182	0.500
Middle	2440	1.188	0.500
High	2478	1.164	0.500



9.3. PEAK 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.

Avg Power is for reporting purposes only.

TEST PROCEDURE

The transmitter output is connected to a power meter for Peak power measurements. .

The EUT cable assembly insertion loss of 1.22 dB was entered as an offset in the power meter.

The power output was measured on the EUT antenna port using SMA cable connected to a power meter via wideband power sensor. Output power was read directly from power meter.

Tested By:	104463/85502
Date:	2025-06-25

9.3.1. BLE (125kbps)

Channel	Frequency (MHz)	Peak Power Reading (dBm)	Limit (dBm)	Margin (dB)
Low	2402	6.55	30	-23.45
Middle	2440	7.13	30	-22.87
High	2480	6.85	30	-23.15

9.3.2. BLE (500kbps)

Channel	Frequency (MHz)	Peak Power Reading (dBm)	Limit (dBm)	Margin (dB)
Low	2402	6.54	30	-23.46
Middle	2440	7.12	30	-22.88
High	2480	6.86	30	-23.14

9.3.3. BLE (1Mbps)

Channel	Frequency (MHz)	Peak Power Reading (dBm)	Limit (dBm)	Margin (dB)
Low	2402	6.54	30	-23.46
Middle	2440	7.11	30	-22.89
High	2480	6.85	30	-23.15

9.3.4. BLE (2Mbps)

Channel	Frequency (MHz)	Peak Power Reading (dBm)	Limit (dBm)	Margin (dB)
Low	2402	6.74	30	-23.26
Middle	2440	7.15	30	-22.85
High	2480	7.01	30	-22.99

9.4. AVERAGE POWER

LIMITS

None; for reporting purposes only

TEST PROCEDURE

The transmitter output is connected to a wideband gated RF power meter.

The EUT cable assembly insertion loss of 1.22 dB was entered as an offset in the power meter.

The power output was measured on the EUT antenna port using SMA cable connected to a power meter via wideband power sensor. Gated average power was read directly from the power meter.

Tested By:	104463/85502
Date:	2025-06-25

9.4.1. BLE (125kbps)

Channel	Frequency (MHz)	AV power (dBm)
Low	2402	6.184
Middle	2440	6.811
High	2480	6.507

9.4.2. BLE (500kbps)

Channel	Frequency (MHz)	AV power (dBm)
Low	2402	6.195
Middle	2440	6.798
High	2480	6.510

9.4.3. BLE (1Mbps)

Channel	Frequency (MHz)	AV power (dBm)
Low	2402	6.19
Middle	2440	6.812
High	2480	6.516

9.4.4. BLE (2Mbps)

Channel	Frequency (MHz)	AV power (dBm)
Low	2402	6.368
Middle	2440	6.845
High	2480	6.655

9.5. POWER SPECTRAL DENSITY

LIMITS

FCC §15.247 (e)

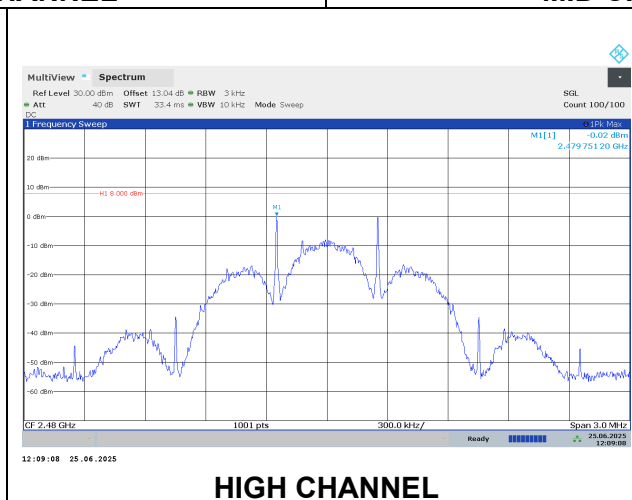
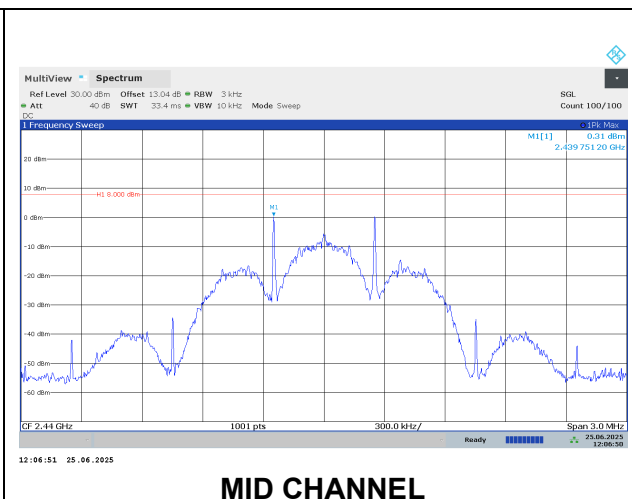
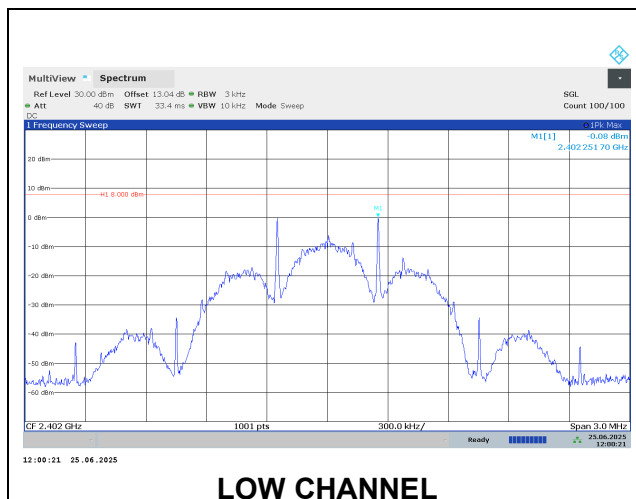
The power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

Tester ID: 104463/85502

RESULTS

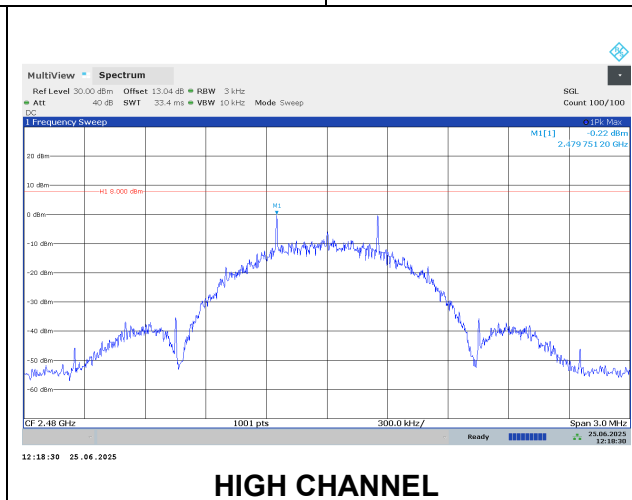
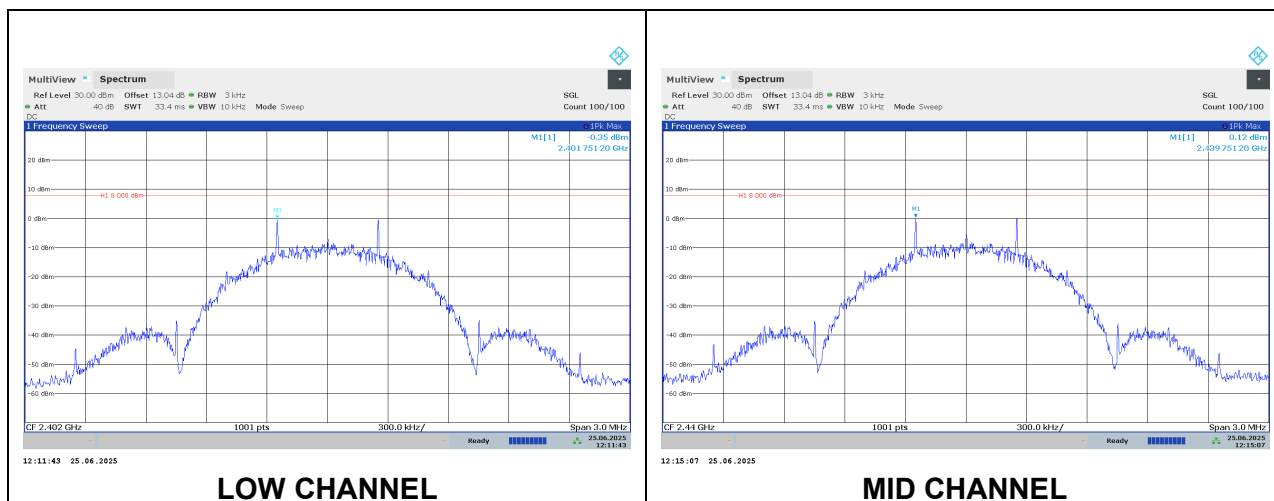
9.5.1. BLE (125kbps)

Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Margin (dB)
Low	2402	-0.080	8	-8.08
Middle	2440	0.310	8	-7.69
High	2480	-0.020	8	-8.02



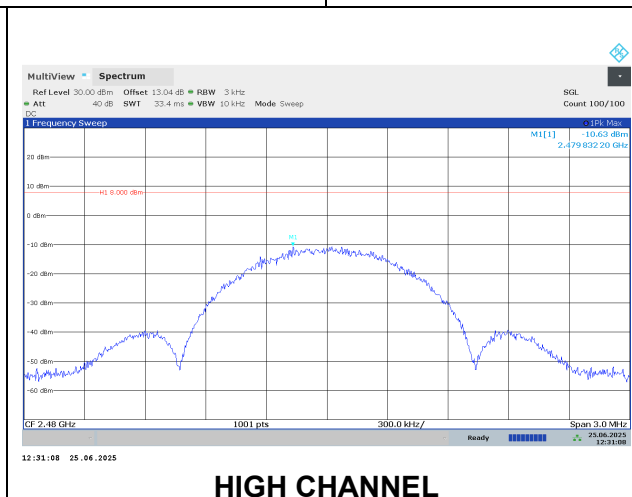
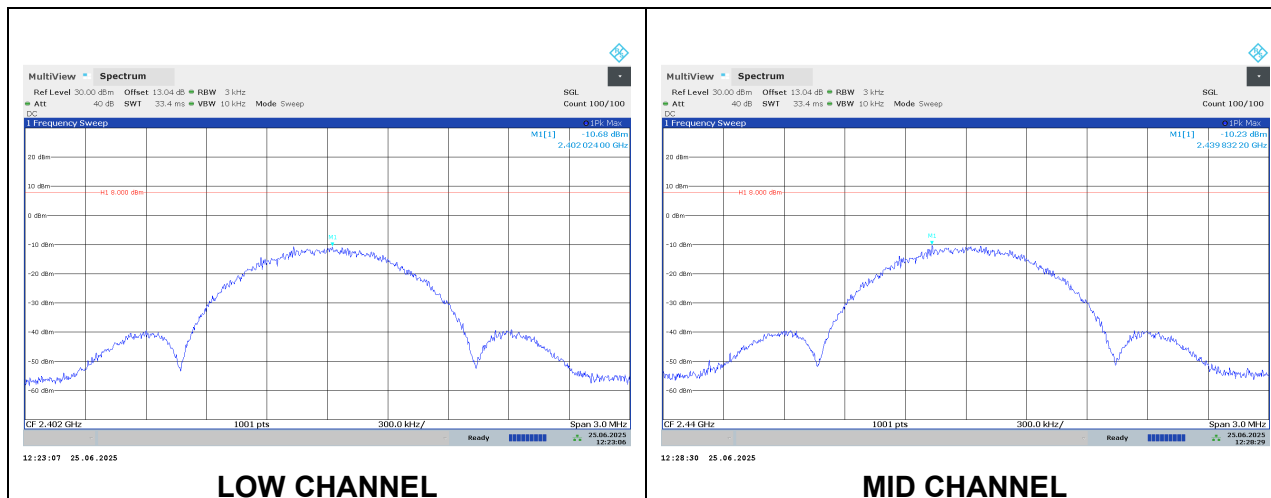
9.5.2. BLE (500kbps)

Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Margin (dB)
Low	2402	-0.350	8	-8.35
Middle	2440	0.120	8	-7.88
High	2480	-0.220	8	-8.22



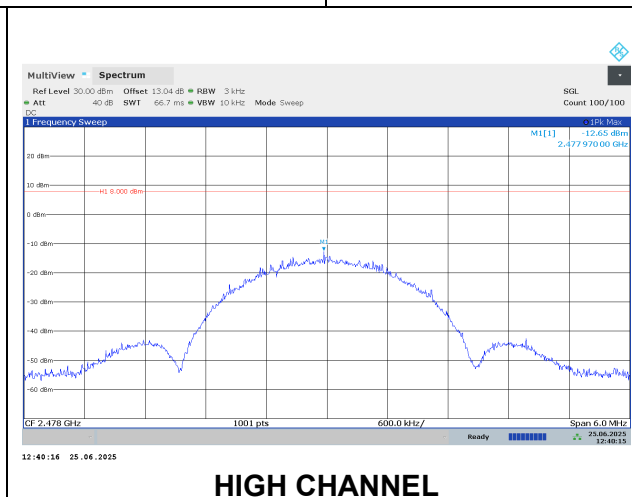
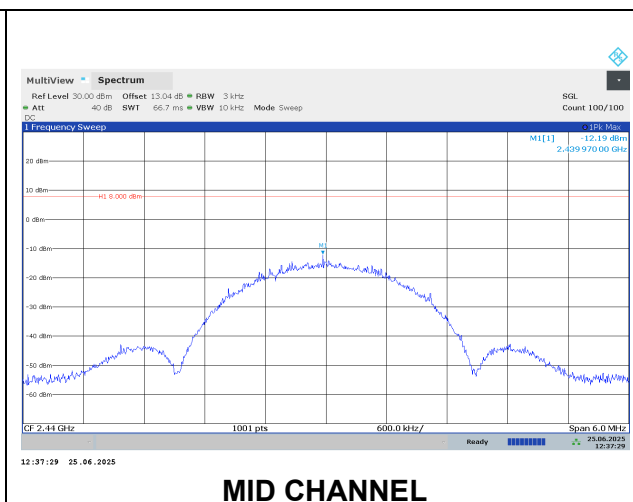
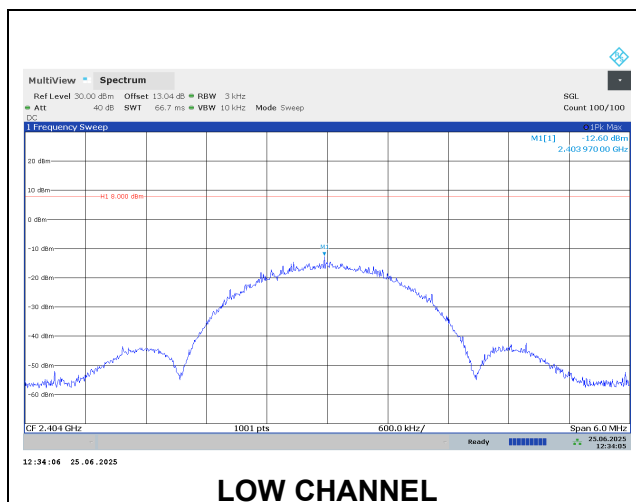
9.5.3. BLE (1Mbps)

Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Margin (dB)
Low	2402	-10.680	8	-18.68
Middle	2440	-10.230	8	-18.23
High	2480	-10.630	8	-18.63



9.5.4. BLE (2Mbps)

Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Margin (dB)
Low	2404	-12.600	8	-20.60
Middle	2440	-12.190	8	-20.19
High	2478	-12.650	8	-20.65



9.6. CONDUCTED SPURIOUS EMISSIONS

LIMITS

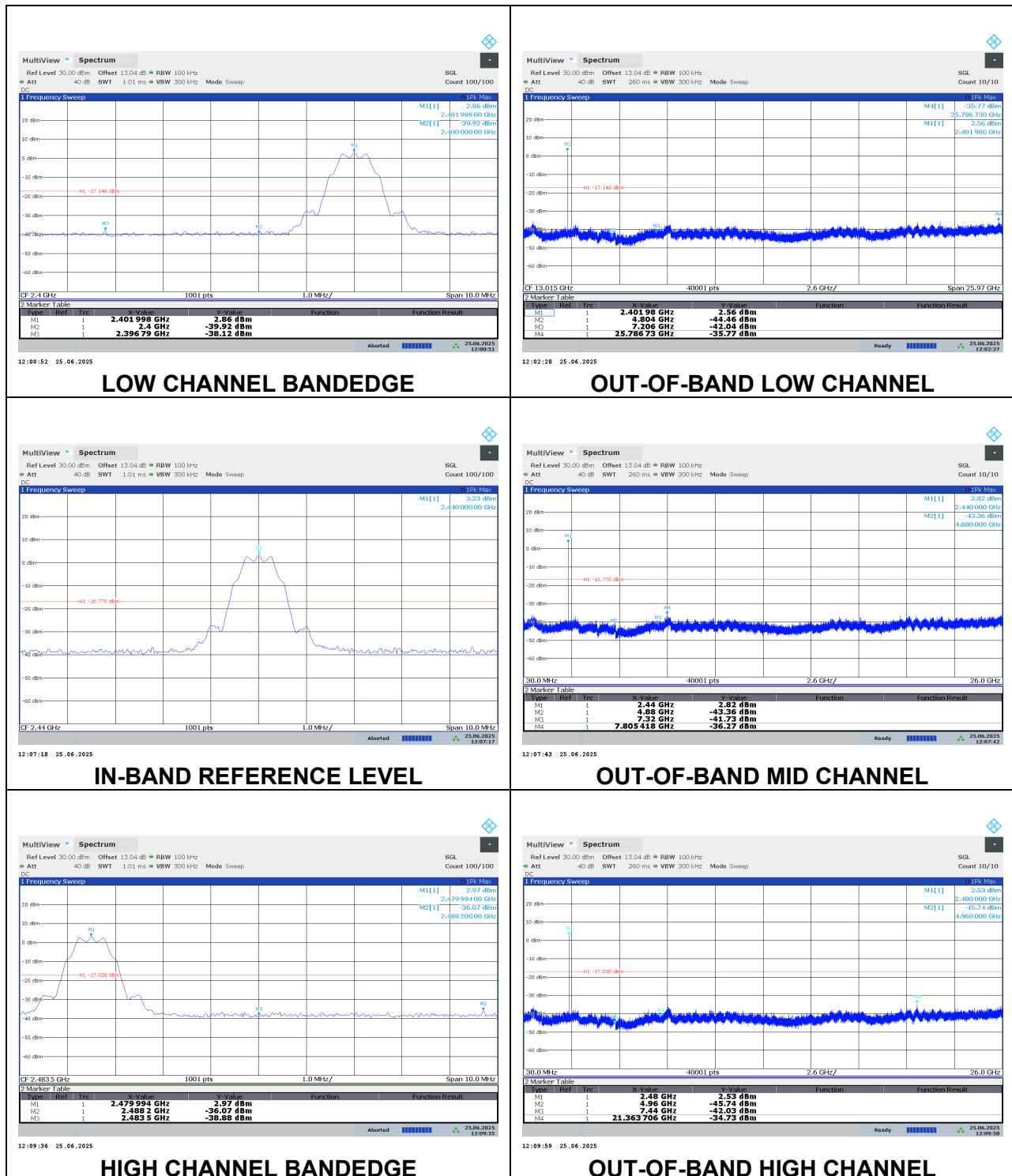
FCC §15.247 (d)

Output power was measured based on the use of peak measurements, so the required attenuation is -20 dBc.

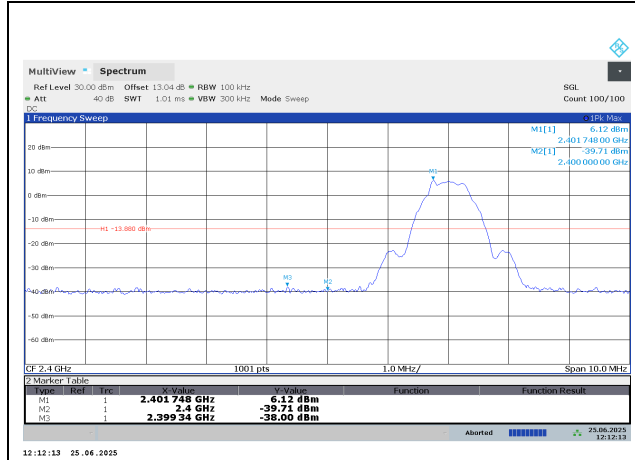
Tester ID: 104463/85502

RESULTS

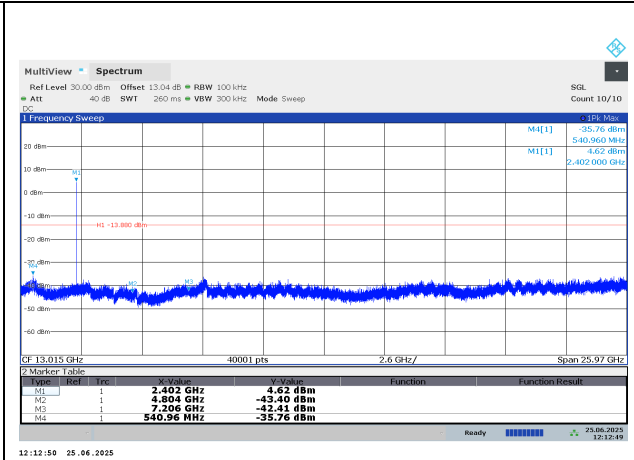
9.6.1. BLE (125kbps)



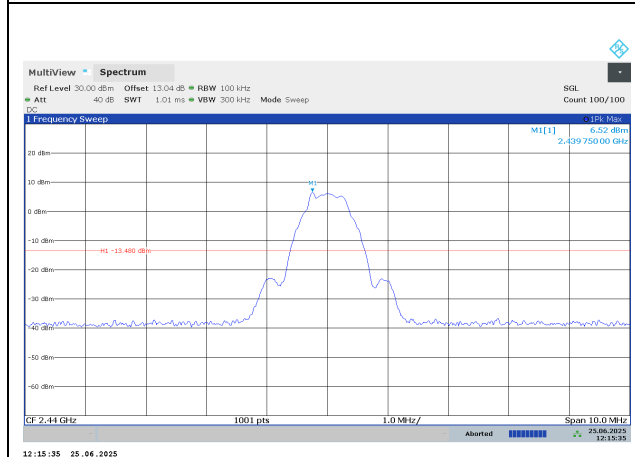
9.6.2. BLE (500kbps)



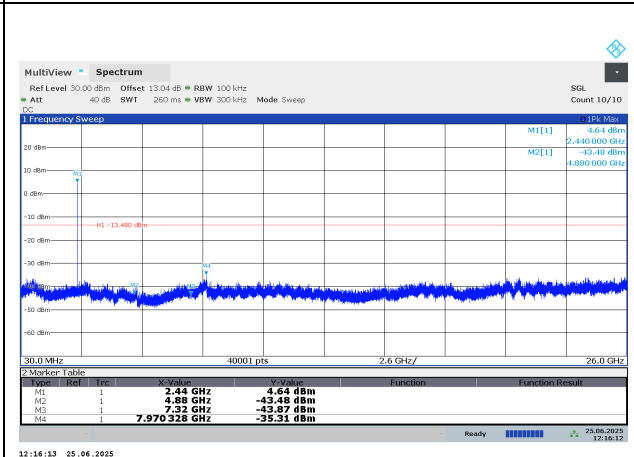
LOW CHANNEL BANDEDGE



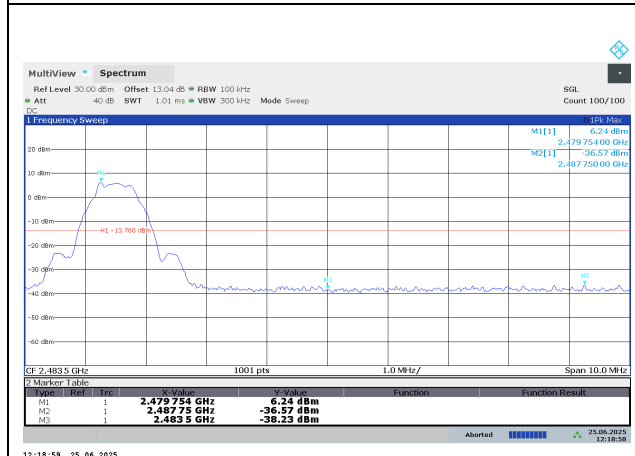
OUT-OF-BAND LOW CHANNEL



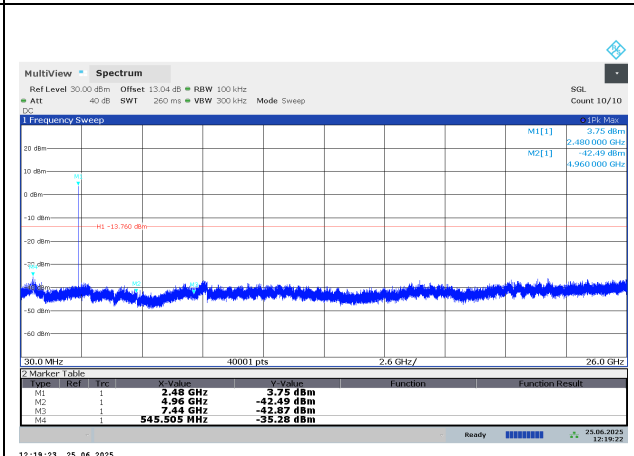
IN-BAND REFERENCE LEVEL



OUT-OF-BAND MID CHANNEL

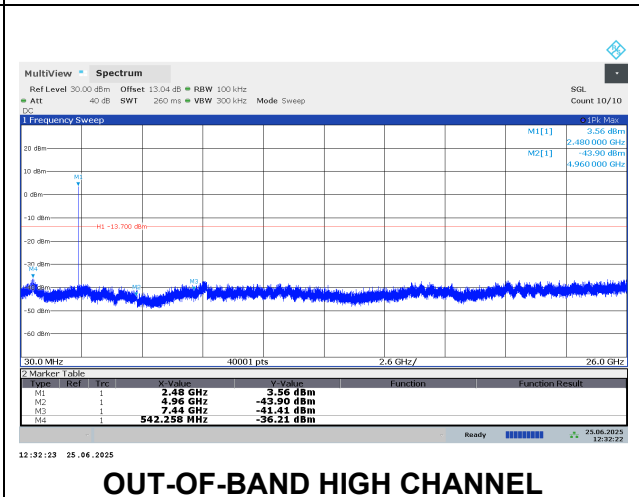
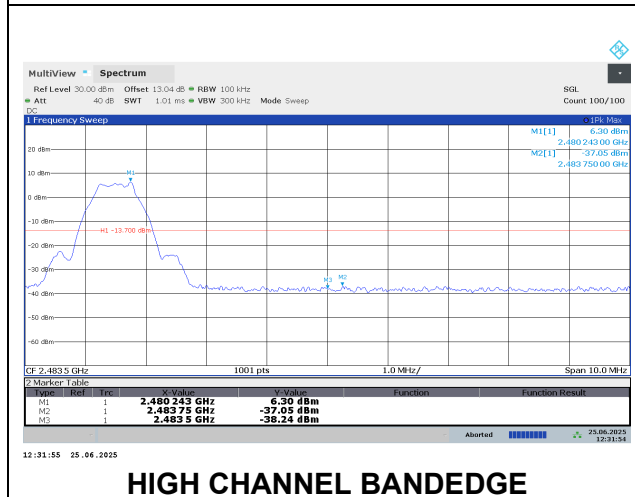
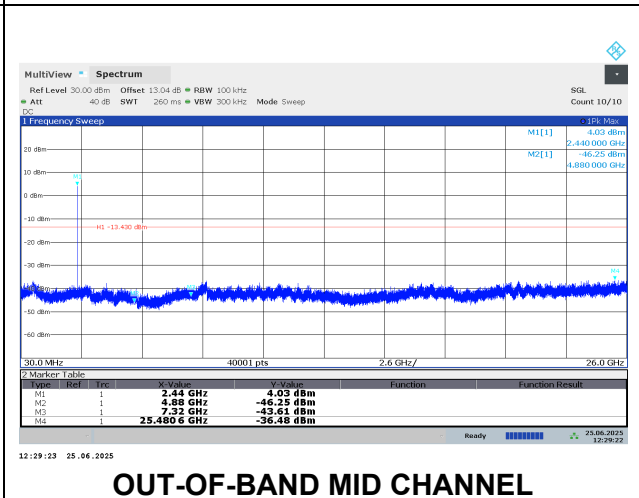
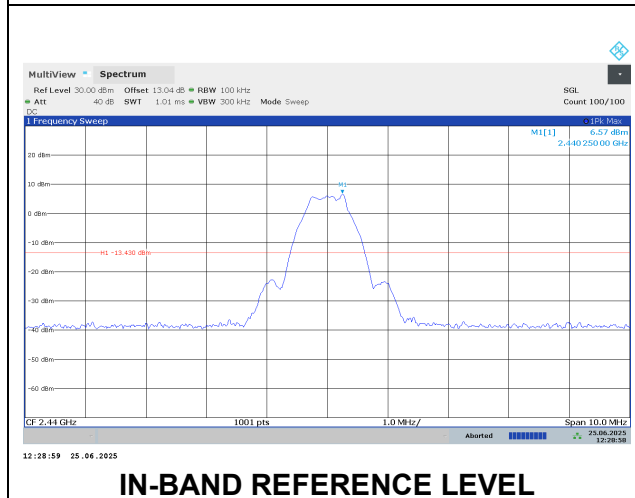
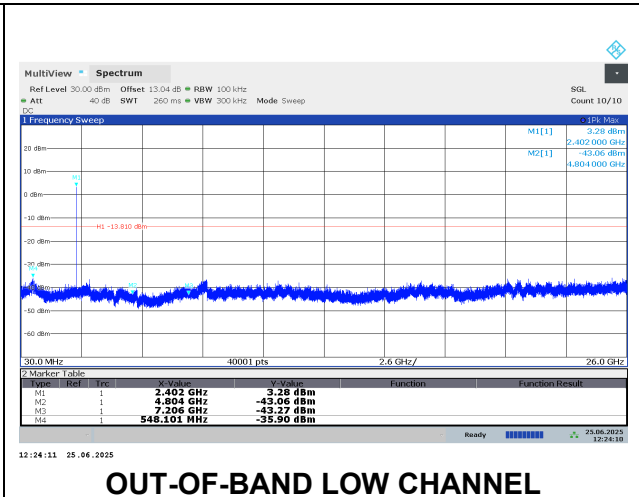
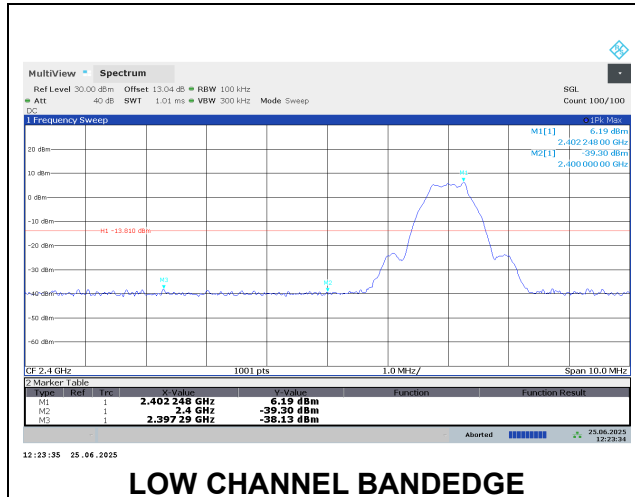


HIGH CHANNEL BANDEDGE

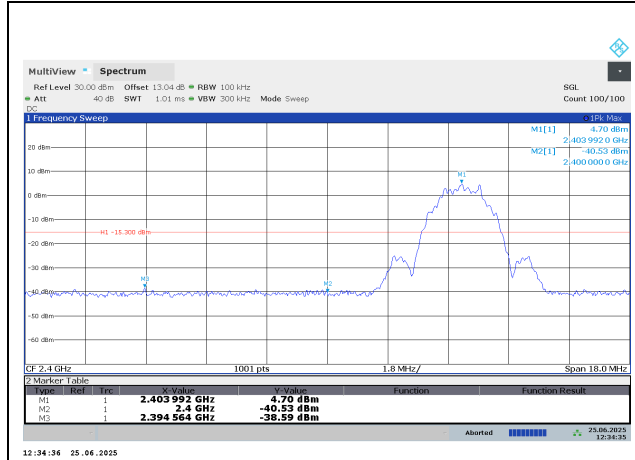


OUT-OF-BAND HIGH CHANNEL

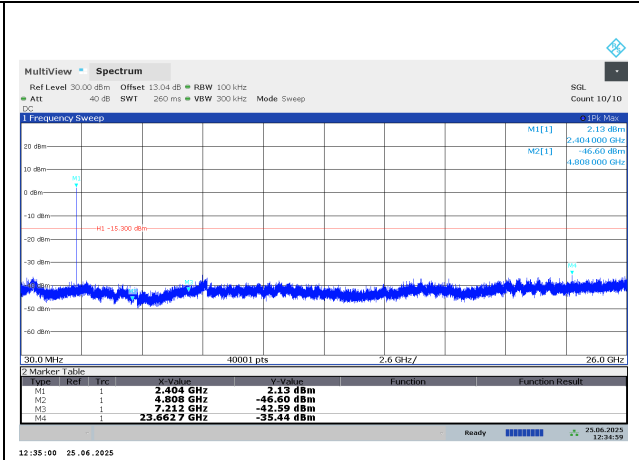
9.6.3. BLE (1Mbps)



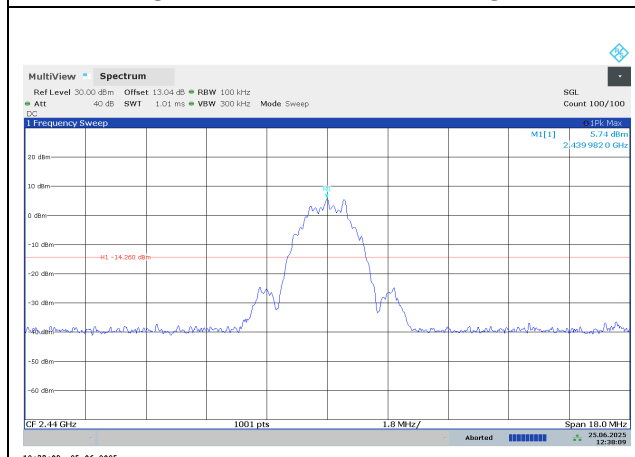
9.6.4. BLE (2Mbps)



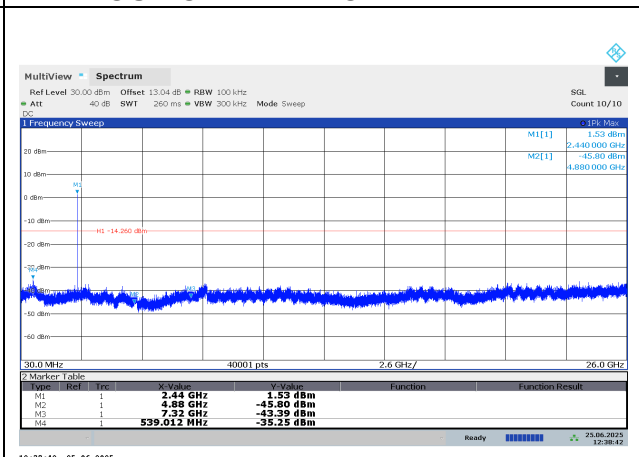
LOW CHANNEL BANDEDGE



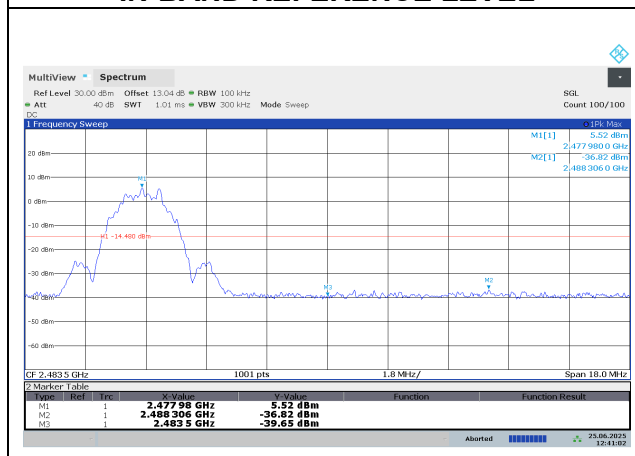
OUT-OF-BAND LOW CHANNEL



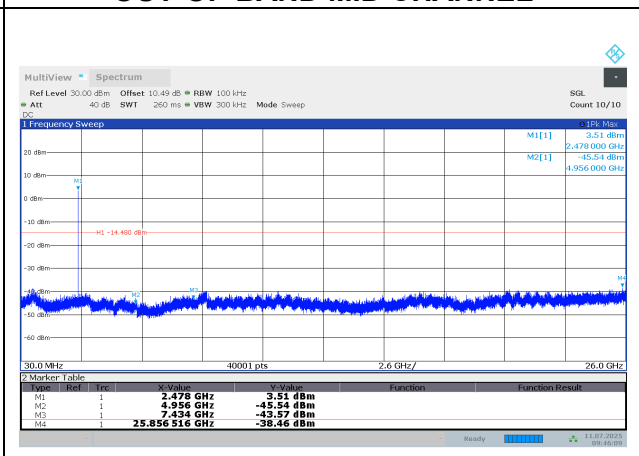
IN-BAND REFERENCE LEVEL



OUT-OF-BAND MID CHANNEL



HIGH CHANNEL BANDEDGE



OUT-OF-BAND HIGH CHANNEL

10. RADIATED TEST RESULTS

10.1. LIMITS AND PROCEDURE

LIMITS

FCC §15.205 and §15.209

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
0.009-0.490	2400/F(kHz) @ 300 m	-
0.490-1.705	24000/F(kHz) @ 30 m	-
1.705 - 30	30 @ 30m	-
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement 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 in the 30-1000MHz range, 9kHz for peak and/or quasi-peak detection measurements in the 0.15-30MHz range and 200Hz for peak and/or quasi-peak detection measurements in the 9 to 150kHz range. Peak detection is used unless otherwise noted as quasi-peak or average (9-90kHz and 110-490kHz).

For pre-scans above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3MHz for peak measurements. For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements. Linear voltage averaging was used.

The spectrum from 1 GHz to 18 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band. Below 1GHz and above 18GHz emissions, the channel with the highest output power was tested.

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.

3D antenna use - For below 30MHz testing, investigation was done on three antenna orientations (parallel, perpendicular, and ground-parallel).

Based on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

KDB 414788 Open Field Site(OFS) and Chamber Correlation Justification

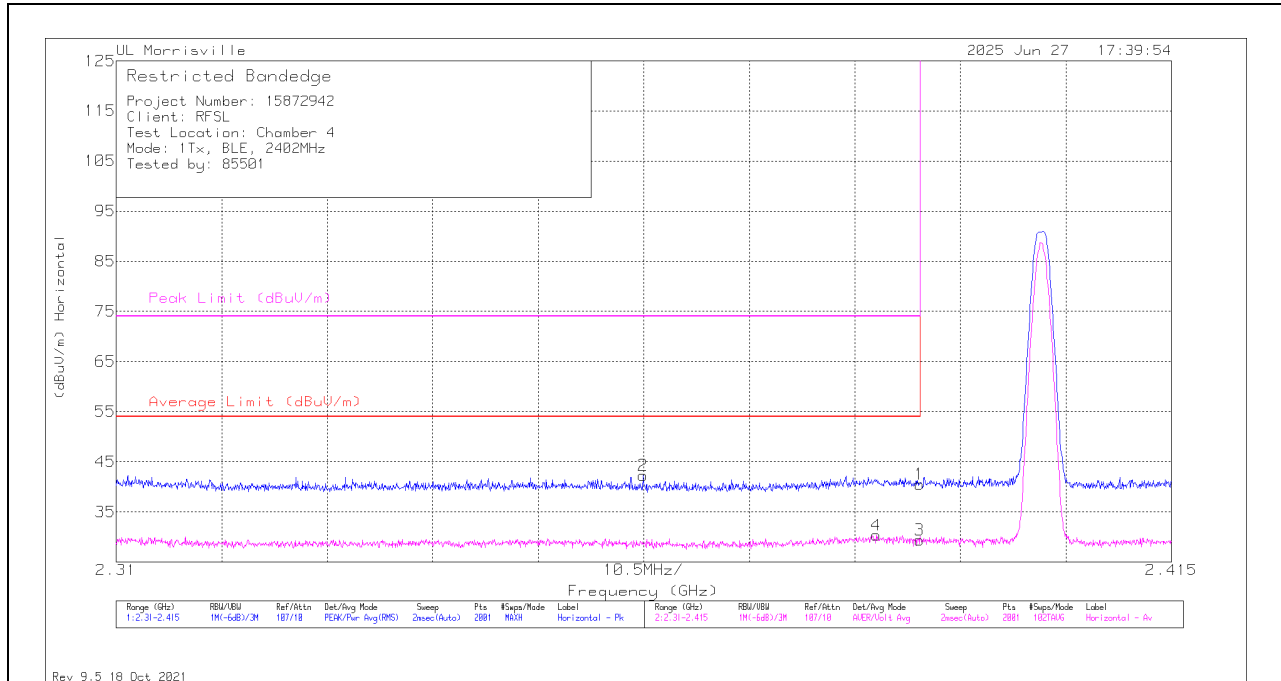
OFS and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

10.2. TRANSMITTER ABOVE 1 GHz

10.2.1. BLE (125kbps)

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/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	* ** 2.38996	31.47	Pk	32	-23	0	40.47	-	-	74	-33.53	334	356	H
2	* ** 2.36245	34.08	Pk	31.9	-23.7	0	42.28	-	-	74	-31.72	334	356	H
3	* ** 2.38996	20.17	ADV	32	-23	.23	29.4	54	-24.6	-	-	334	356	H
4	* ** 2.38565	20.89	ADV	32	-22.8	.23	30.32	54	-23.68	-	-	334	356	H

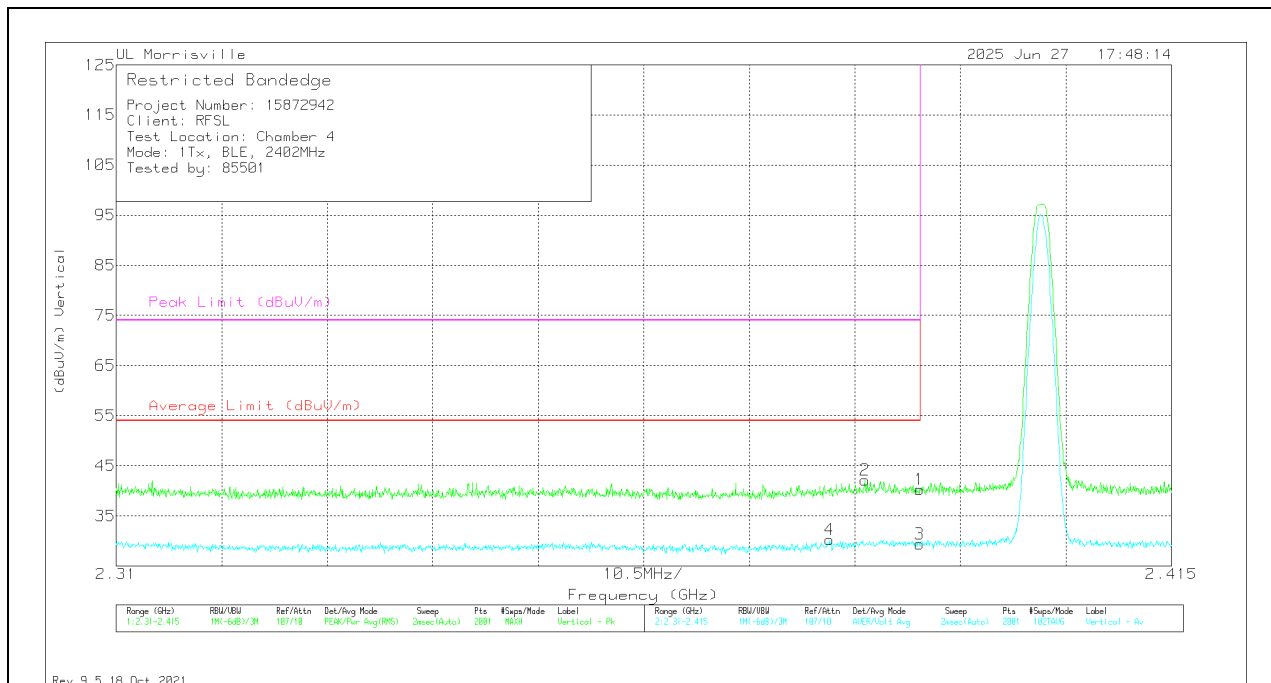
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/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	* ** 2.38996	31.23	Pk	32	-23	0	40.23	-	-	74	-33.77	98	130	V
2	* ** 2.3845	33.06	Pk	32	-22.9	0	42.16	-	-	74	-31.84	98	130	V
3	* ** 2.38996	20.12	ADV	32	-23	.23	29.35	54	-24.65	-	-	98	130	V
4	* ** 2.38098	21.29	ADV	32	-23.3	.23	30.22	54	-23.78	-	-	98	130	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

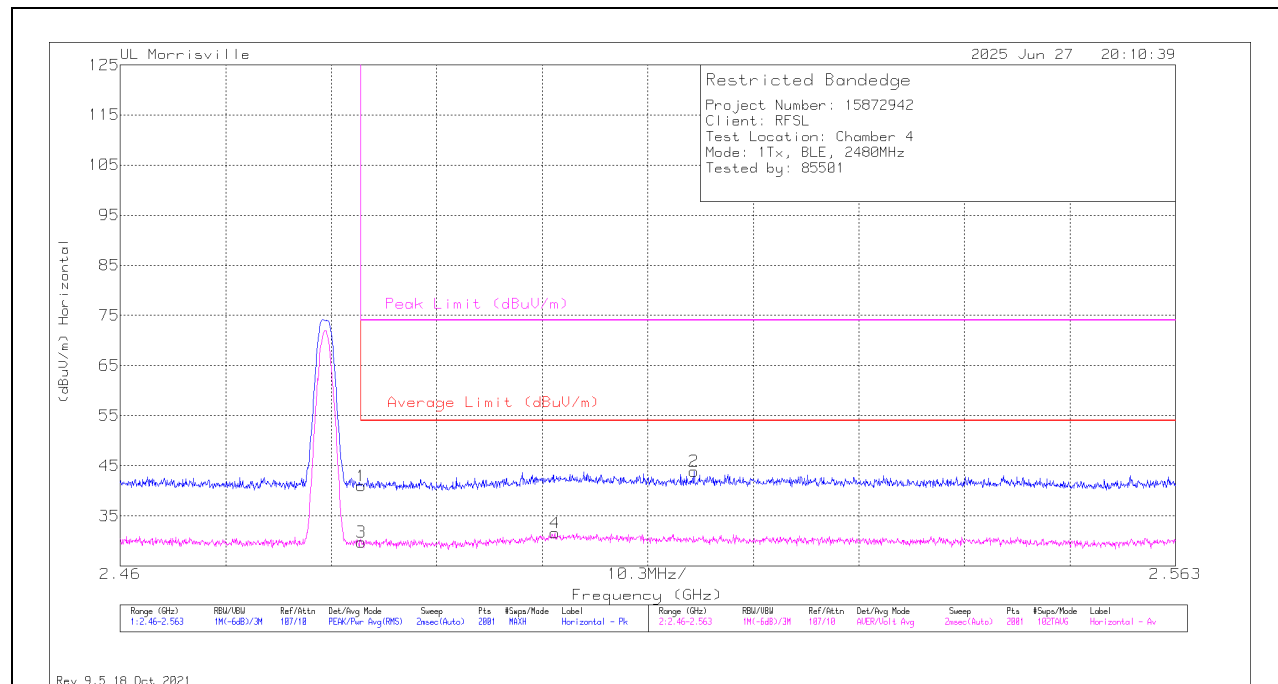
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/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	* ** 2.48354	31.86	Pk	32.3	-23.2	0	40.96	-	-	74	-33.04	290	284	H
2	** 2.51603	34.28	Pk	32.4	-22.8	0	43.88	-	-	74	-30.12	290	284	H
3	* ** 2.48354	20.47	ADV	32.3	-23.2	.23	29.8	54	-24.2	-	-	290	284	H
4	** 2.50244	21.24	ADV	32.4	-22.3	.23	31.57	54	-22.43	-	-	290	284	H

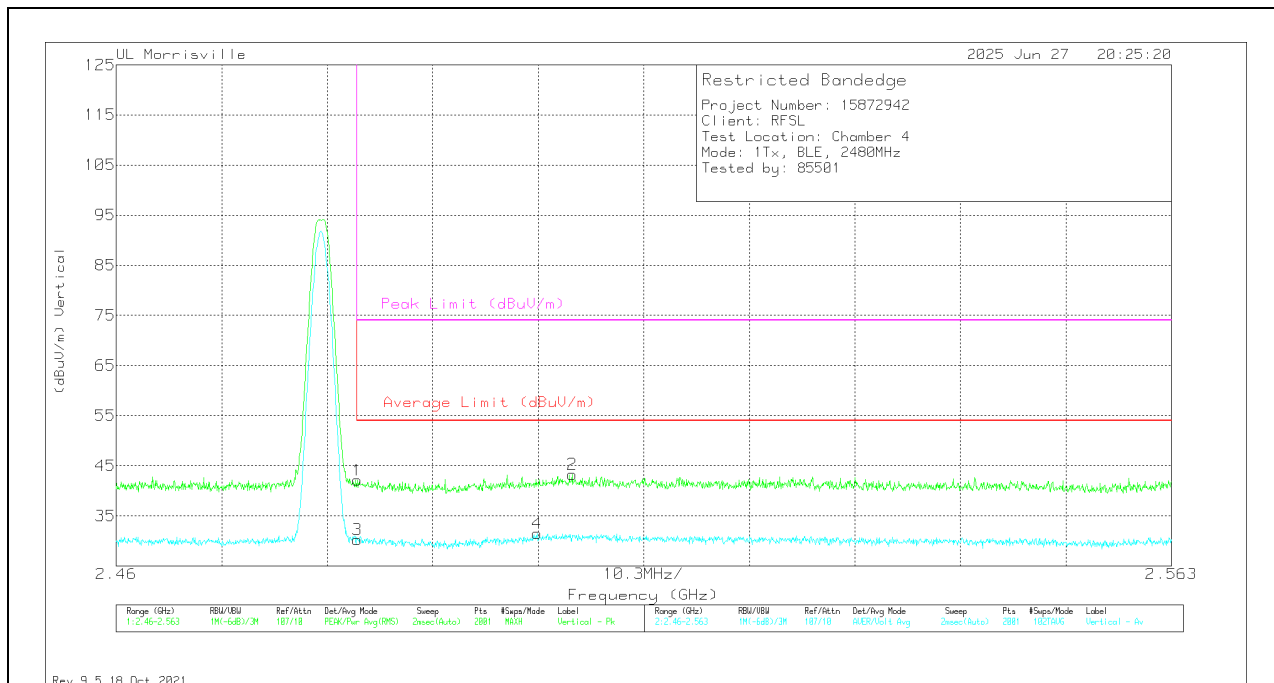
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/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	* ** 2.48354	32.98	Pk	32.3	-23.2	0	42.08	-	-	74	-31.92	98	293	V
2	** 2.5045	33.06	Pk	32.4	-22.2	0	43.26	-	-	74	-30.74	98	293	V
3	* ** 2.48354	20.91	ADV	32.3	-23.2	.23	30.24	54	-23.76	-	-	98	293	V
4	** 2.5011	21.32	ADV	32.4	-22.5	.23	31.45	54	-22.55	-	-	98	293	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

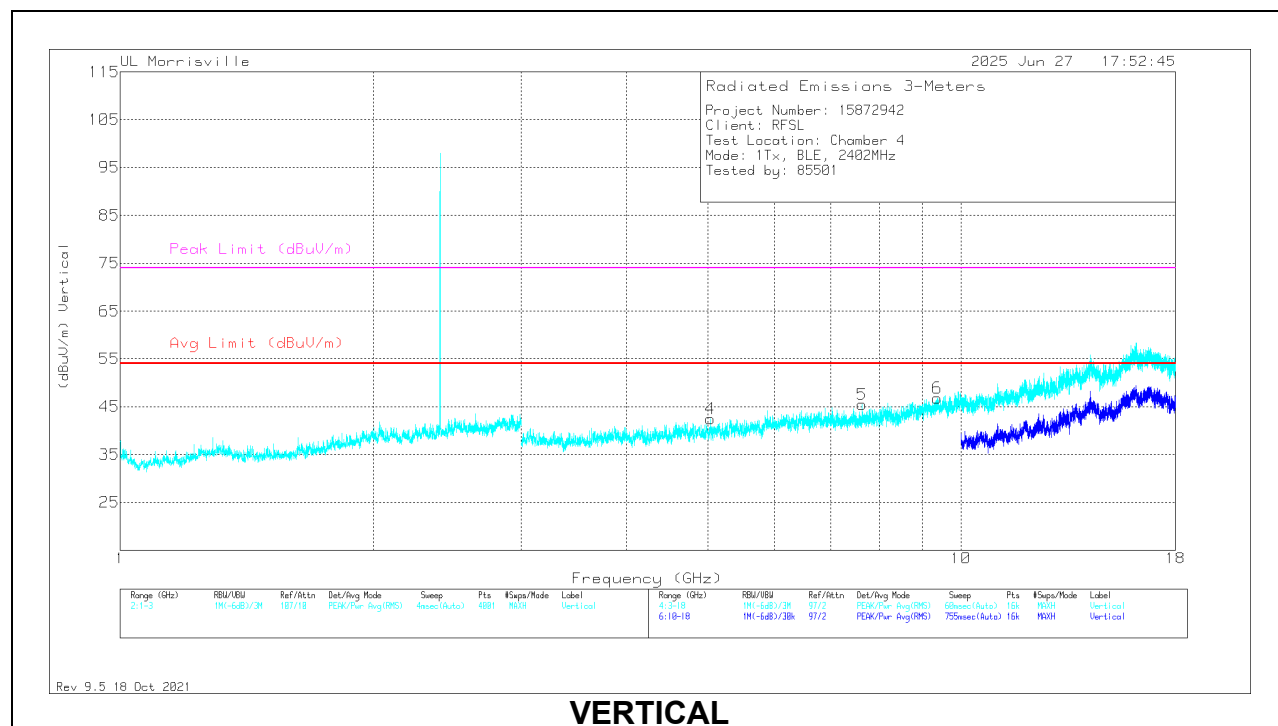
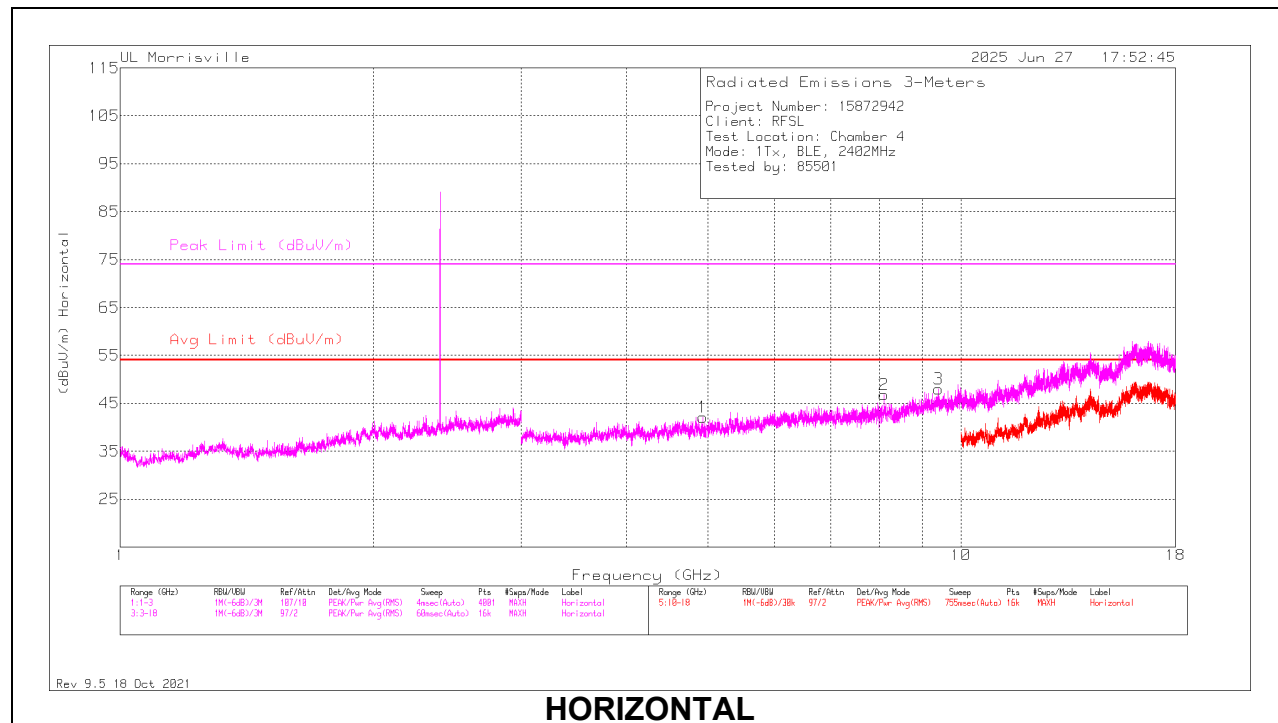
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

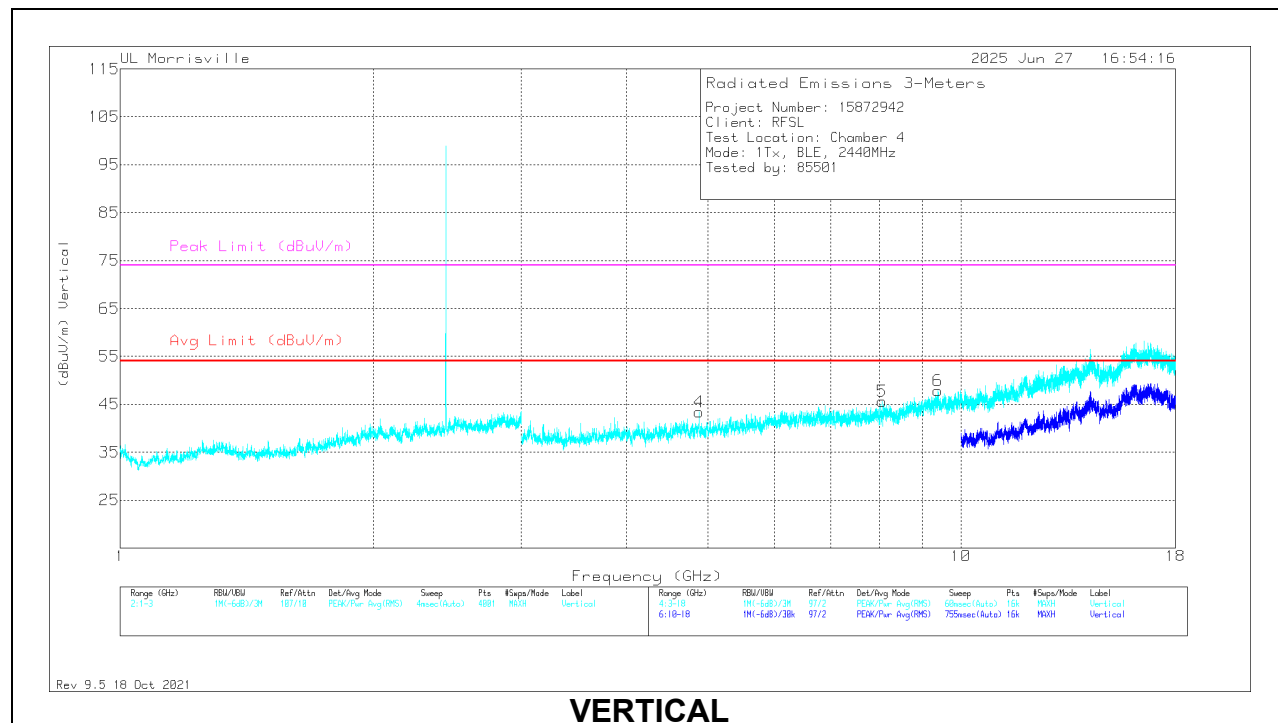
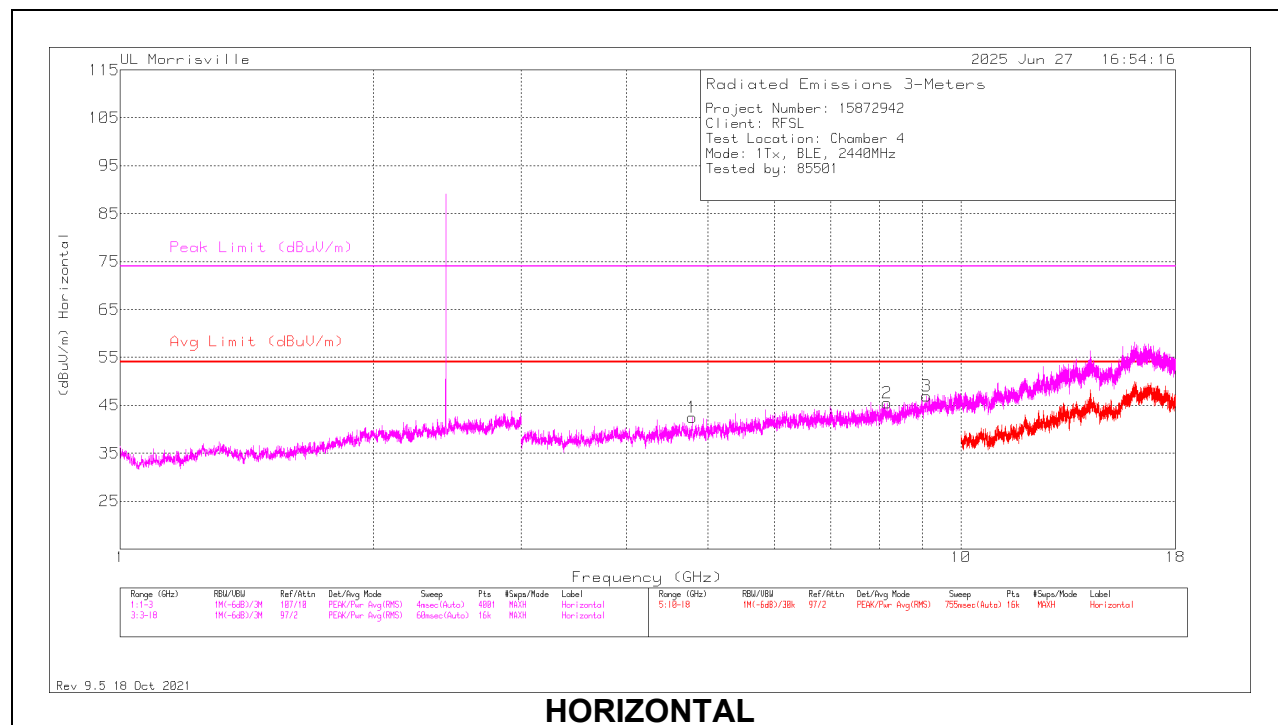
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 4.93031	40.17	Pk	33.8	-31.9	0	42.07	54	-11.93	74	-31.93	0-360	100	H
2	* ** 8.10656	37.73	Pk	35.6	-26.5	0	46.83	54	-7.17	74	-27.17	0-360	100	H
3	* ** 9.40594	35.59	Pk	36.5	-24.1	0	47.99	54	-6.01	74	-26.01	0-360	100	H
4	* ** 5.03438	40.55	Pk	34	-32.1	0	42.45	54	-11.55	74	-31.55	0-360	200	V
5	* ** 7.62375	37.24	Pk	35.6	-27.4	0	45.44	54	-8.56	74	-28.56	0-360	200	V
6	* ** 9.36844	34.88	Pk	36.4	-24.5	0	46.78	54	-7.22	74	-27.22	0-360	200	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

MID CHANNEL RESULTS



RADIATED EMISSIONS

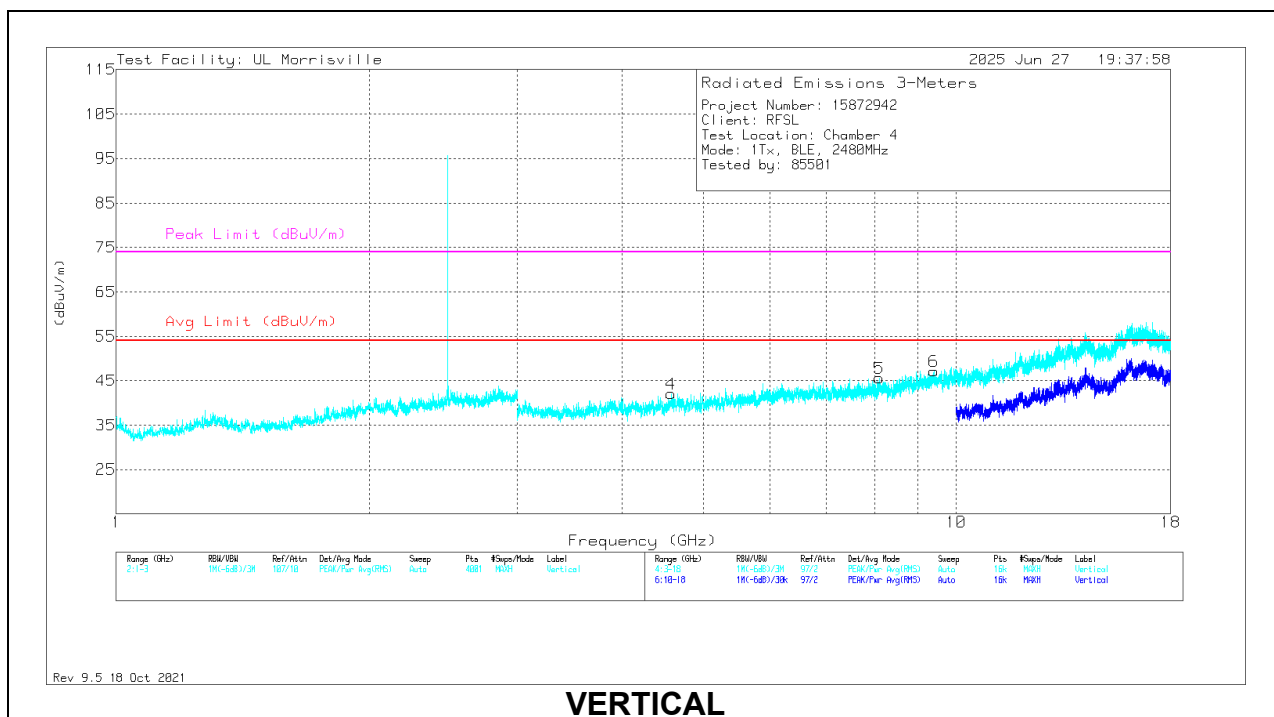
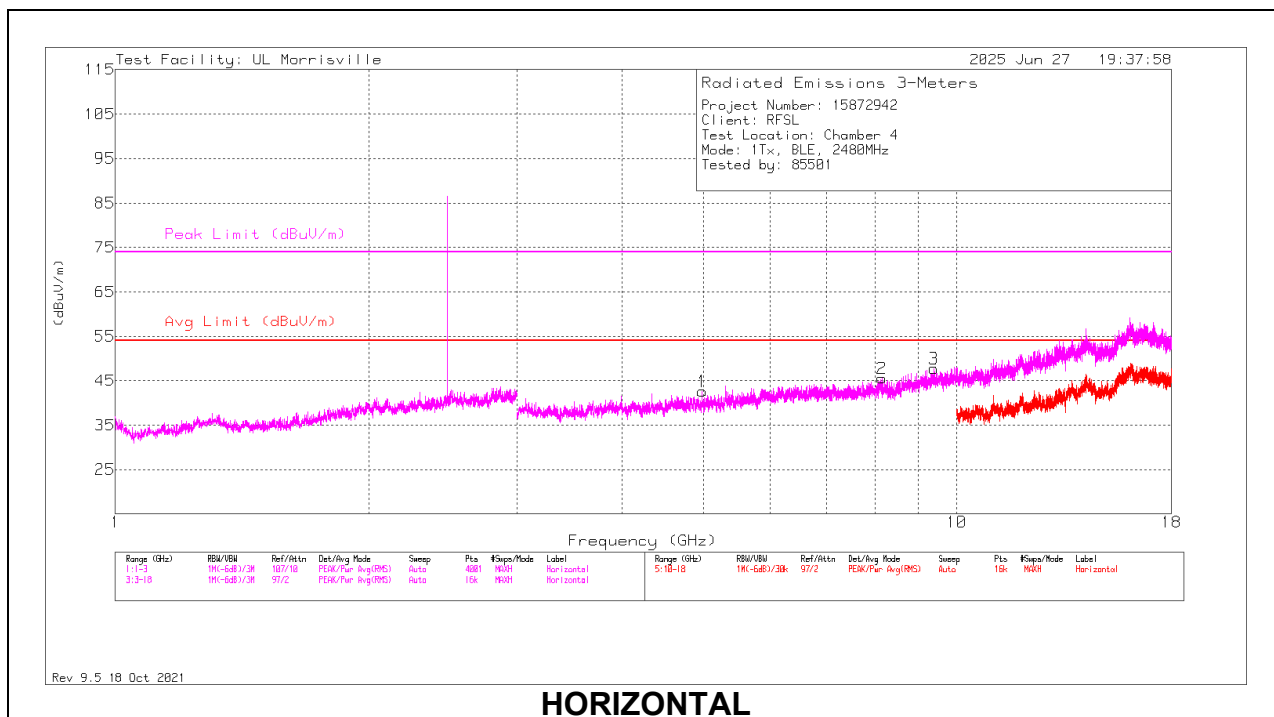
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 4.78969	39.84	Pk	33.9	-31.3	0	42.44	54	-11.56	74	-31.56	0-360	100	H
2	* ** 8.1675	36.87	Pk	35.6	-27	0	45.47	54	-8.53	74	-28.53	0-360	100	H
3	* ** 9.10781	34.69	Pk	36	-23.8	0	46.89	54	-7.11	74	-27.11	0-360	100	H
4	* ** 4.87969	41.01	Pk	33.9	-31.5	0	43.41	54	-10.59	74	-30.59	0-360	200	V
5	* ** 8.05969	37.25	Pk	35.6	-27.2	0	45.65	54	-8.35	74	-28.35	0-360	200	V
6	* ** 9.38719	36.45	Pk	36.5	-25.1	0	47.85	54	-6.15	74	-26.15	0-360	200	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 4.98281	39.62	Pk	33.9	-30.9	0	42.62	54	-11.38	74	-31.38	0-360	100	H
2	* ** 8.145	36.76	Pk	35.6	-26.8	0	45.56	54	-8.44	74	-28.44	0-360	100	H
3	* ** 9.39375	35.65	Pk	36.5	-24.4	0	47.75	54	-6.25	74	-26.25	0-360	100	H
4	*** 4.57594	39.68	Pk	34.1	-31.7	0	42.08	54	-11.92	74	-31.92	0-360	200	V
5	*** 8.09344	36.99	Pk	35.6	-27	0	45.59	54	-8.41	74	-28.41	0-360	200	V
6	* ** 9.405	34.76	Pk	36.5	-24.1	0	47.16	54	-6.84	74	-26.84	0-360	200	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

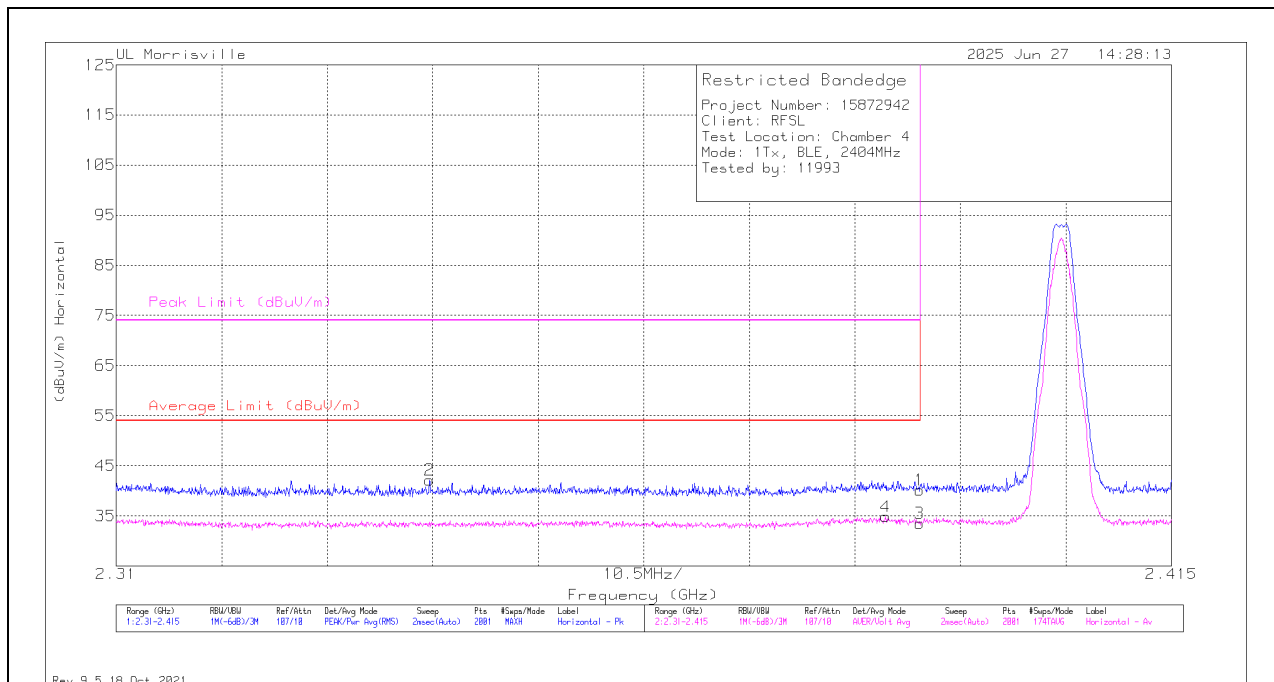
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

10.2.2. BLE (2Mbps)

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/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	*** 2.38996	31.11	Pk	32	-23	0	40.11	-	-	74	-33.89	70	328	H
2	*** 2.34119	33.71	Pk	31.9	-23.5	0	42.11	-	-	74	-31.89	70	328	H
3	* ** 2.38996	19.7	ADV	32	-23	4.85	33.55	54	-20.45	-	-	70	328	H
4	* ** 2.38655	20.87	ADV	32	-22.9	4.85	34.82	54	-19.18	-	-	70	328	H

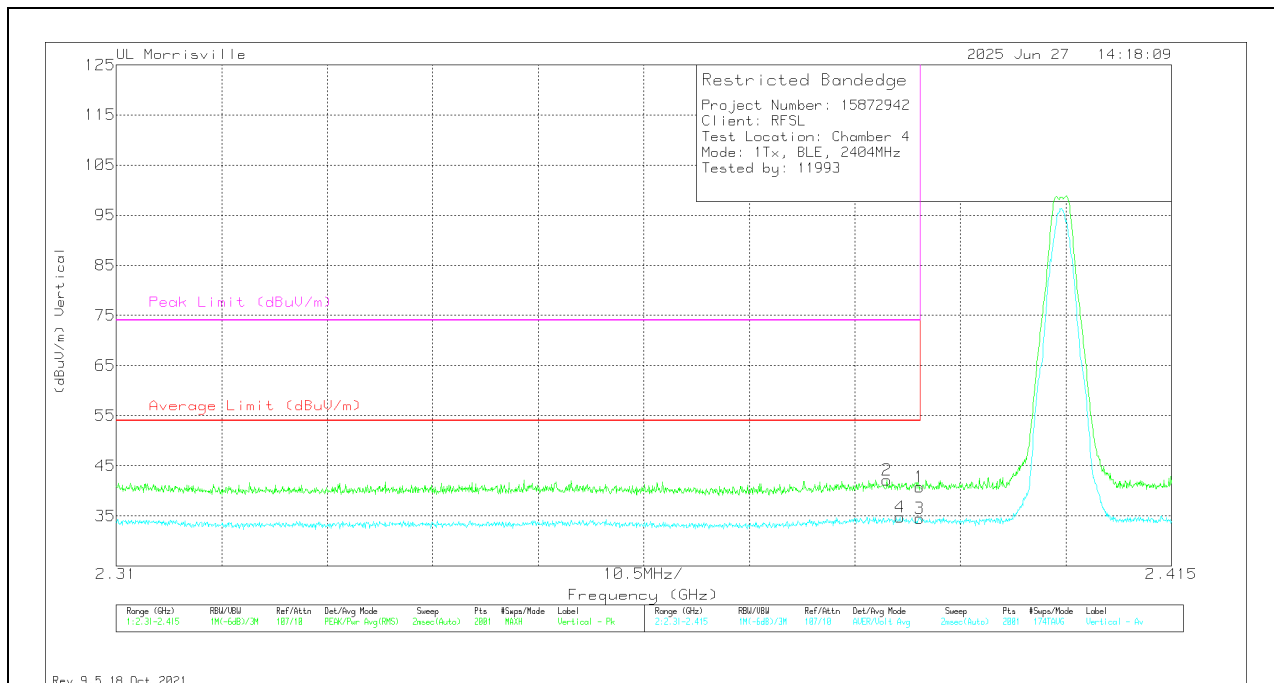
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/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	*** 2.38996	31.77	Pk	32	-23	0	40.77	-	-	74	-33.23	46	104	V
2	*** 2.3867	33.07	Pk	32	-22.9	0	42.17	-	-	74	-31.83	46	104	V
3	*** 2.38996	20.68	ADV	32	-23	4.85	34.53	54	-19.47	-	-	46	104	V
4	*** 2.38802	20.84	ADV	32	-22.9	4.85	34.79	54	-19.21	-	-	46	104	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

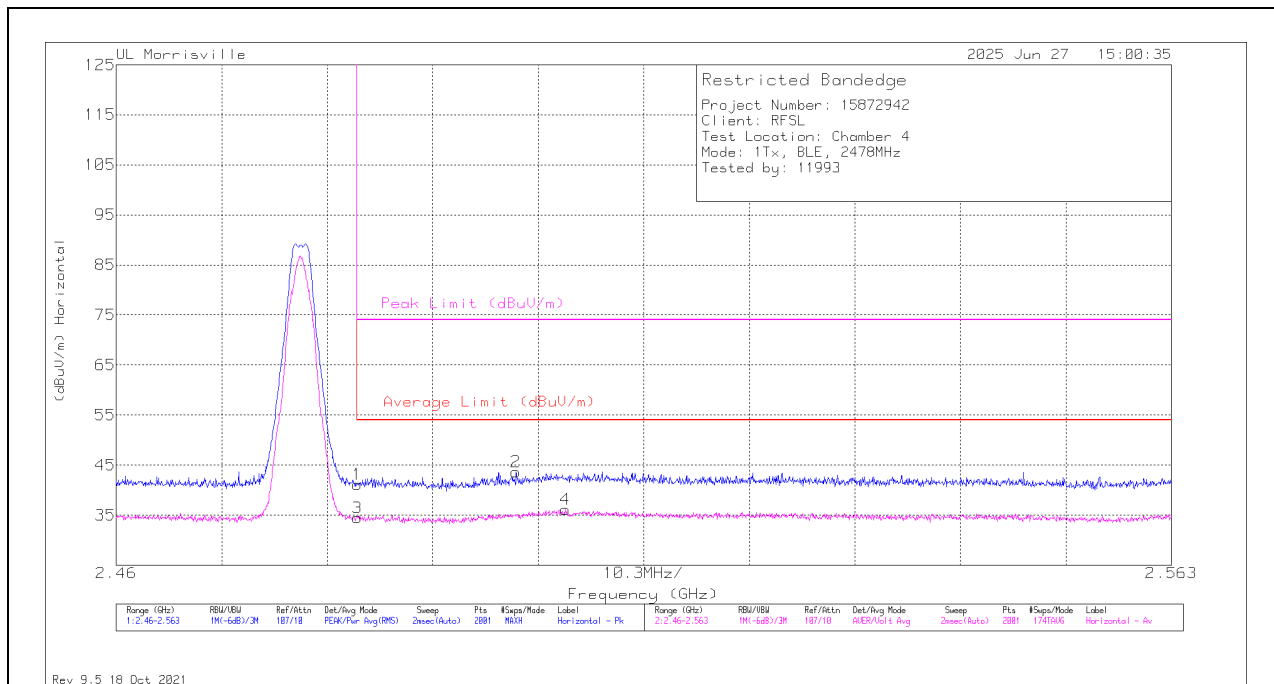
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/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	* ** 2.48354	32.02	Pk	32.3	-23.2	0	41.12	-	-	74	-32.88	72	385	H
2	* ** 2.49904	34.01	Pk	32.4	-22.8	0	43.61	-	-	74	-30.39	72	385	H
3	* ** 2.48354	20.5	ADV	32.3	-23.2	4.85	34.45	54	-19.55	-	-	72	385	H
4	** 2.50383	21.06	ADV	32.4	-22.2	4.85	36.11	54	-17.89	-	-	72	385	H

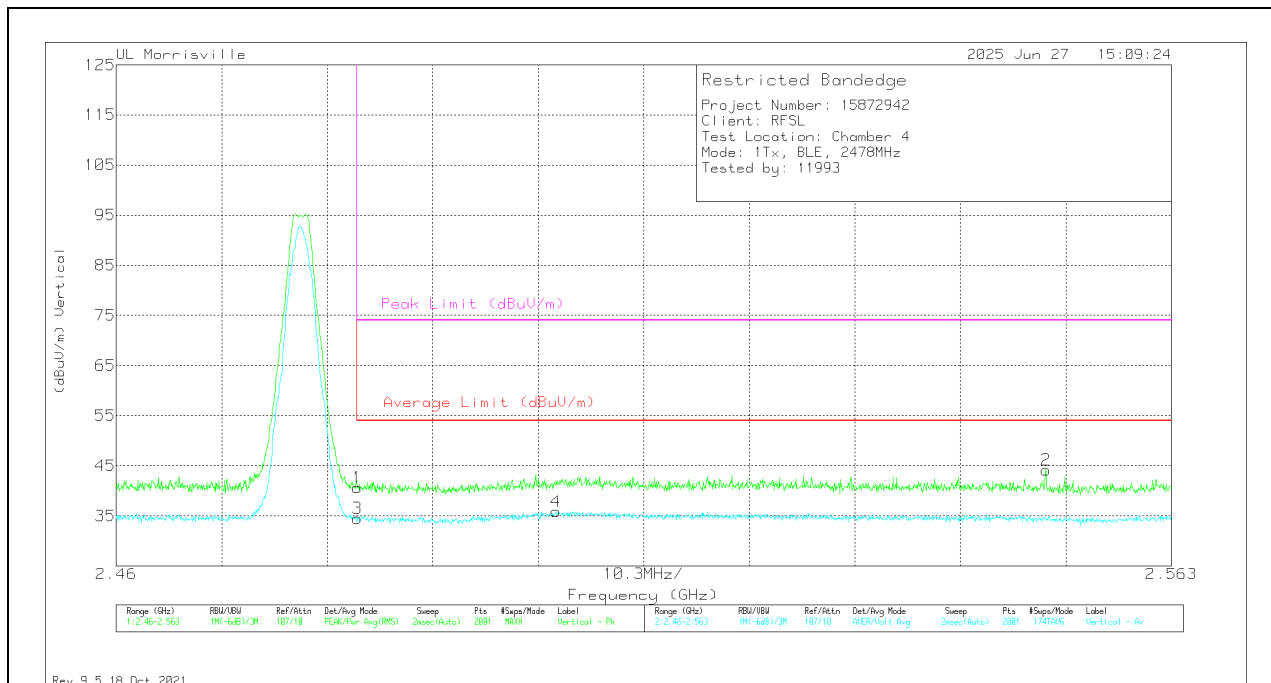
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/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	* ** 2.48354	31.56	Pk	32.3	-23.2	0	40.66	-	-	74	-33.34	310	121	V
2	** 2.55074	35.22	Pk	32.4	-23.5	0	44.12	-	-	74	-29.88	310	121	V
3	* ** 2.48354	20.51	ADV	32.3	-23.2	4.85	34.46	54	-19.54	-	-	310	121	V
4	** 2.5029	20.78	ADV	32.4	-22.2	4.85	35.83	54	-18.17	-	-	310	121	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

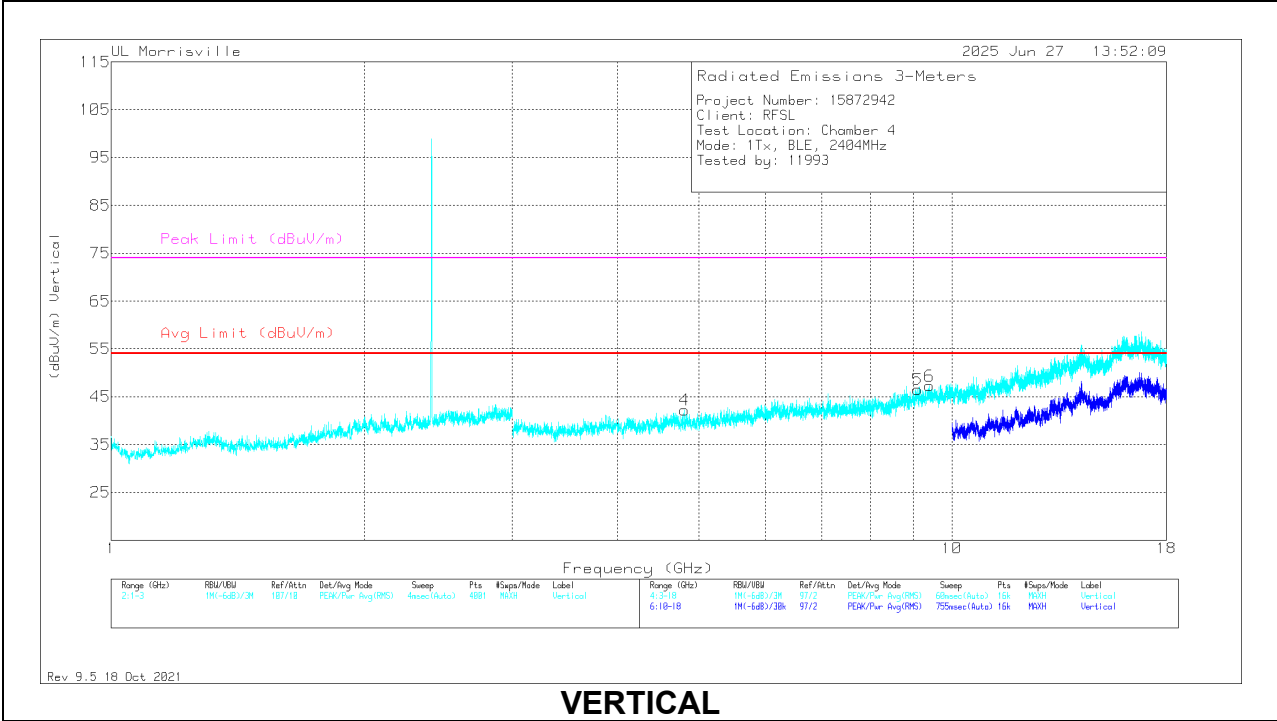
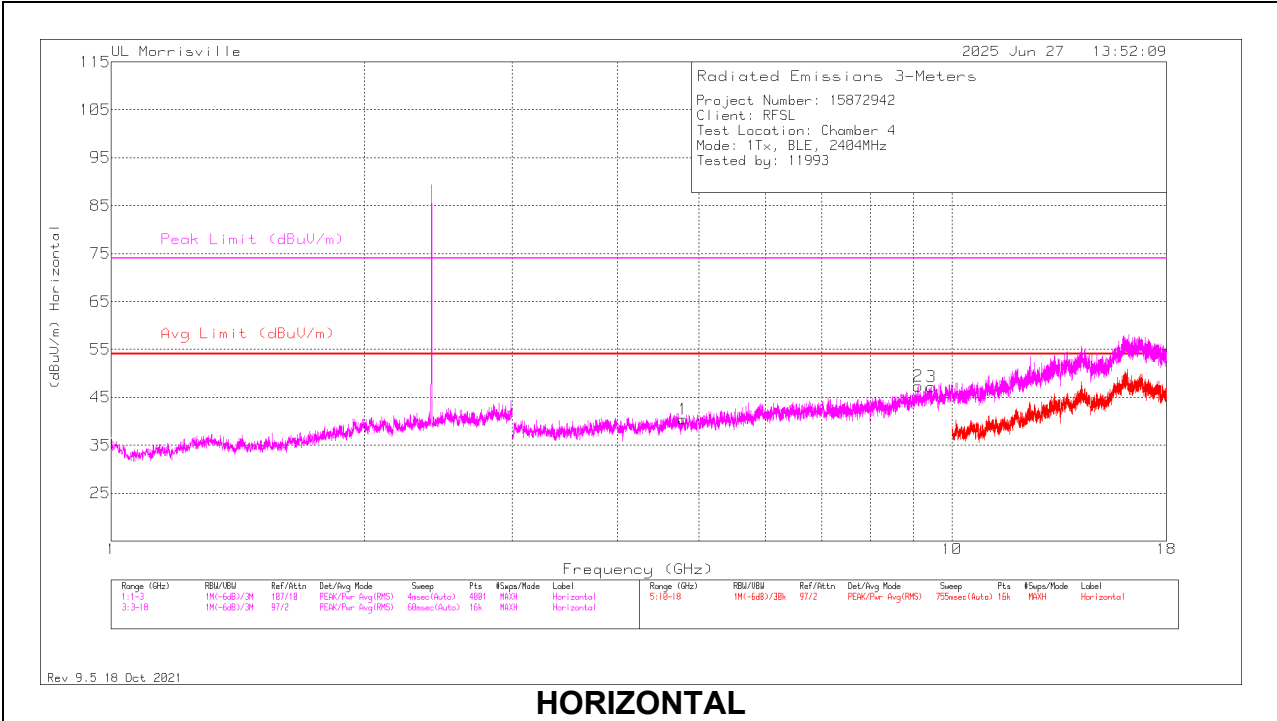
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

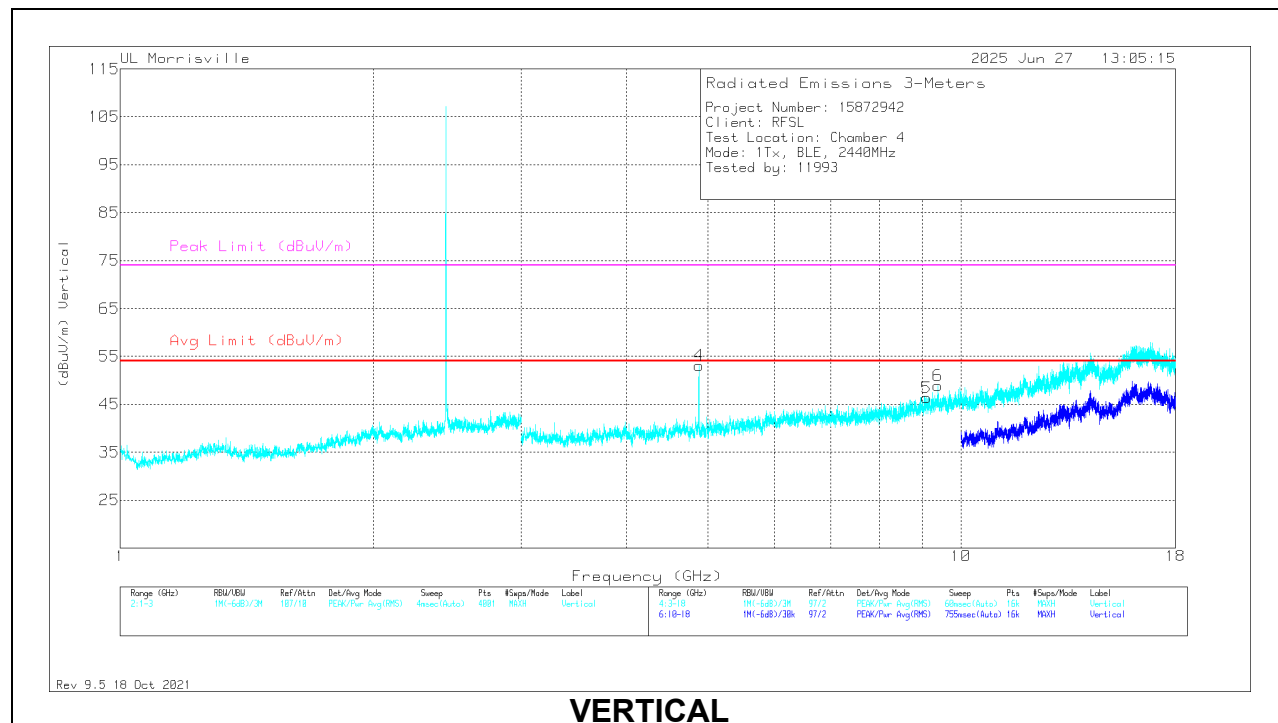
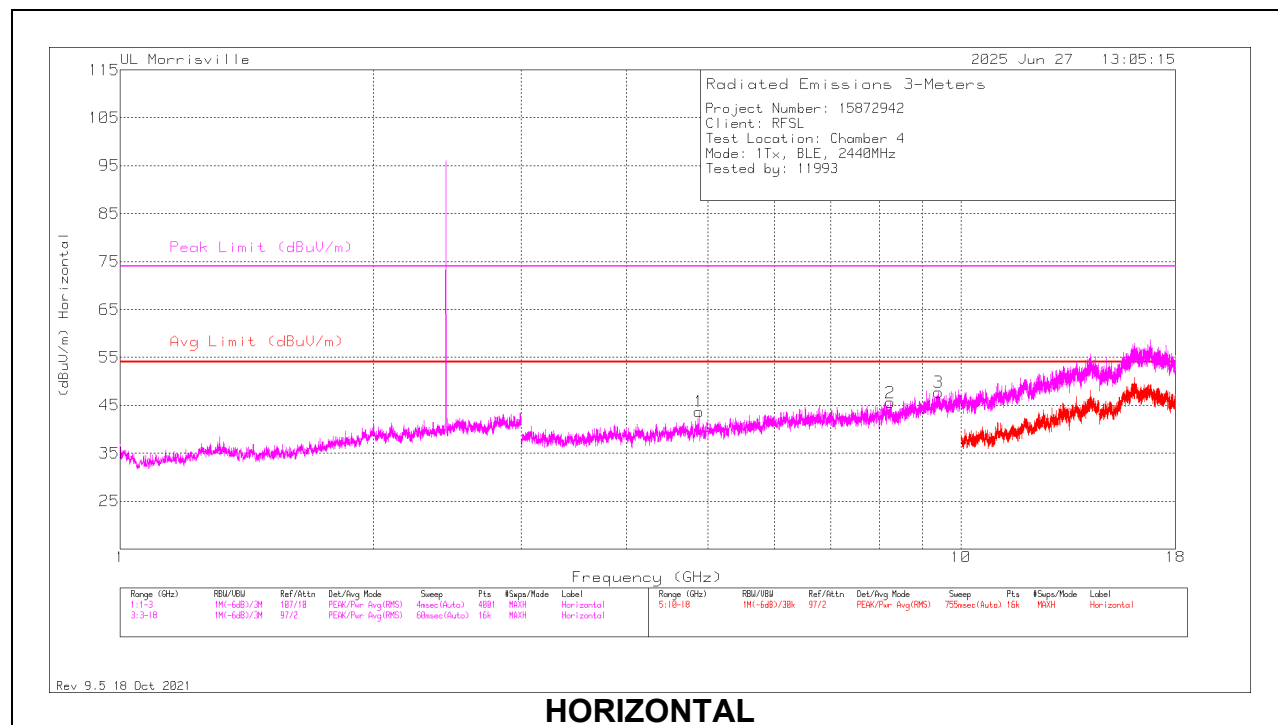
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 4.79156	37.95	Pk	33.9	-31.4	40.45	54	-13.55	74	-33.55	0-360	100	H
2	* ** 9.11531	36	Pk	36.1	-24.8	47.3	54	-6.7	74	-26.7	0-360	100	H
3	* ** 9.44906	35.67	Pk	36.5	-25	47.17	54	-6.83	74	-26.83	0-360	100	H
4	* ** 4.80844	41.12	Pk	33.9	-32.8	42.22	54	-11.78	74	-31.78	0-360	200	V
5	* ** 9.09844	34.89	Pk	36	-24.4	46.49	54	-7.51	74	-27.51	0-360	200	V
6	* ** 9.40875	35.06	Pk	36.5	-24.3	47.26	54	-6.74	74	-26.74	0-360	200	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

MID CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 4.88063	41.29	Pk	33.9	-31.5	0	43.69	54	-10.31	74	-30.31	0-360	100	H
2	* ** 8.24719	36.86	Pk	35.7	-27	0	45.56	54	-8.44	74	-28.44	0-360	100	H
3	* ** 9.40219	35.33	Pk	36.5	-24.1	0	47.73	54	-6.27	74	-26.27	0-360	100	H
4	* ** 4.88092	52.29	PK2	33.9	-31.6	0	54.59	-	-	74	-19.41	348	215	V
	* ** 4.87895	40.96	ADV	33.9	-31.4	4.85	48.31	54	-5.69	-	-	348	215	V
5	* ** 9.0975	34.75	Pk	36	-24.4	0	46.35	54	-7.65	74	-27.65	0-360	200	V
6	* ** 9.38998	36.57	PK2	36.5	-24.8	0	48.27	-	-	74	-25.73	238	272	V
	* ** 9.39233	23.95	ADV	36.5	-24.5	4.85	40.8	54	-13.2	-	-	238	272	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

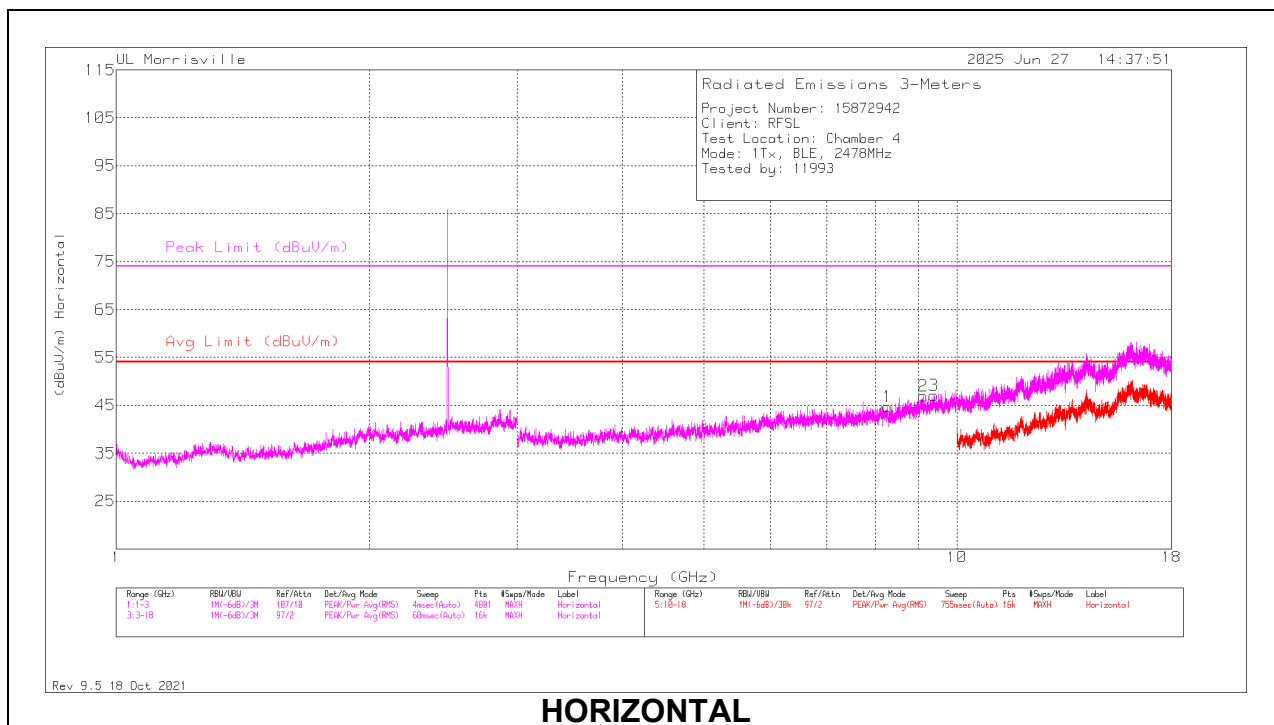
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

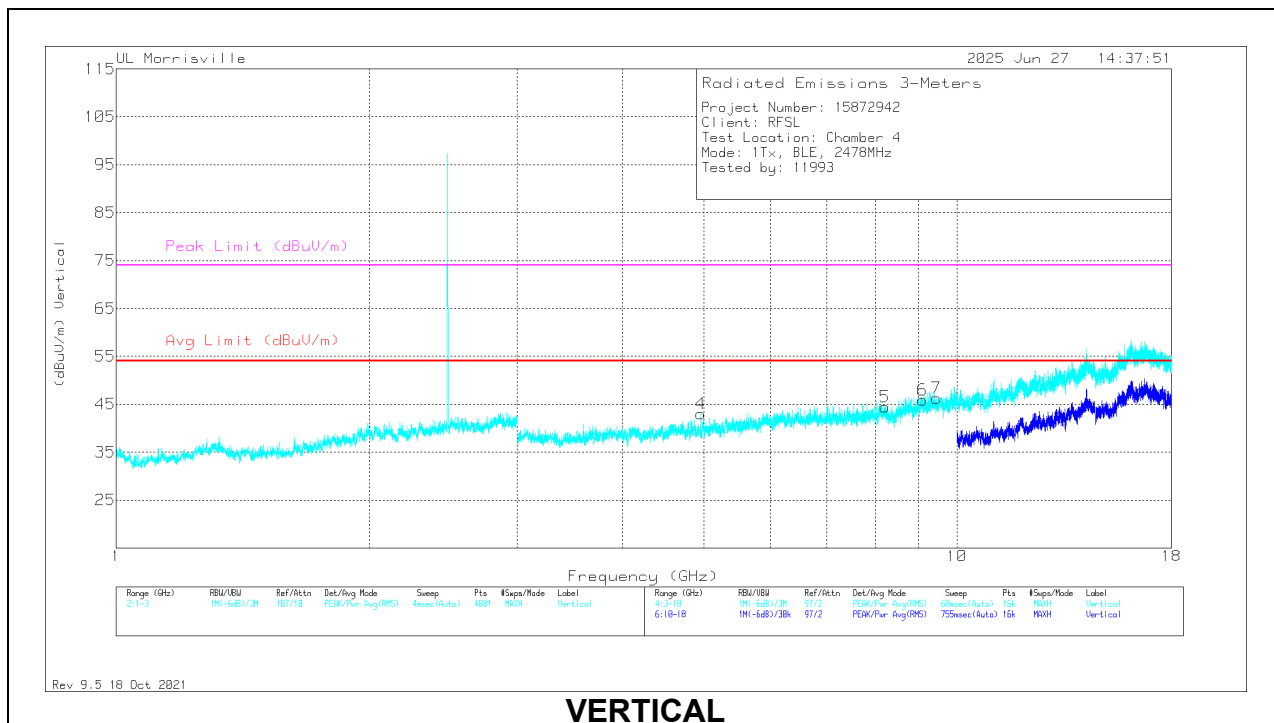
PK2 - Maximum Peak

ADV - Linear Voltage Average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	206211 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 8.27625	36.16	Pk	35.7	-27.2	44.66	54	-9.34	74	-29.34	0-360	100	H
2	* ** 9.12	36.02	Pk	36.1	-25.2	46.92	54	-7.08	74	-27.08	0-360	100	H
3	* ** 9.3975	34.56	Pk	36.5	-24	47.06	54	-6.94	74	-26.94	0-360	100	H
4	* ** 4.95656	41.06	Pk	33.8	-31.9	42.96	54	-11.04	74	-31.04	0-360	200	V
5	* ** 8.21531	35.37	Pk	35.7	-26.6	44.47	54	-9.53	74	-29.53	0-360	200	V
6	* ** 9.10219	34.04	Pk	36	-24.1	45.94	54	-8.06	74	-28.06	0-360	200	V
7	* ** 9.46219	34.62	Pk	36.5	-24.8	46.32	54	-7.68	74	-27.68	0-360	200	V

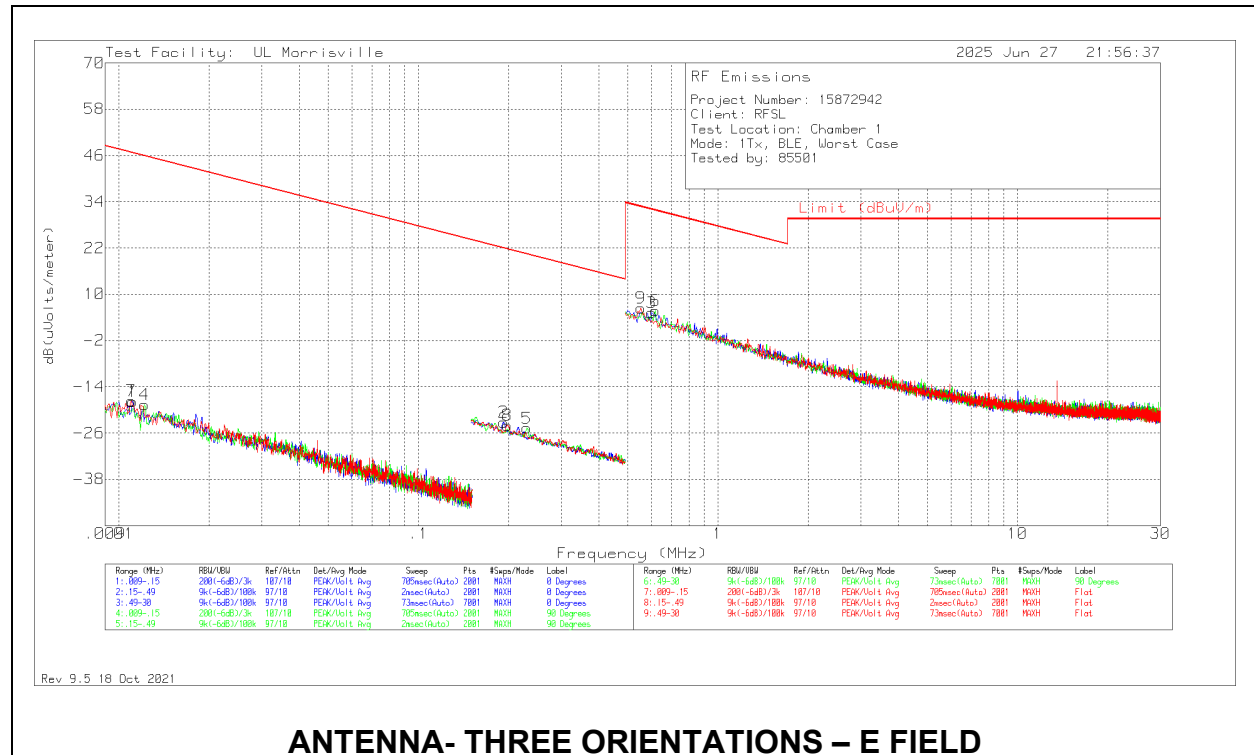
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

10.3. BELOW 30MHZ (WORST-CASE CONFIGURATION)

Note: All measurements were made at a test distance of 3 m. The measured data was extrapolated from the test distance (3m) to the specification distance (300 m from 9-490 kHz and 30 m from 490 kHz – 30 MHz) to clearly show the relative levels of fundamental and spurious emissions and demonstrate compliance with the requirement that the level of any spurious emissions be below the level of the intentionally transmitted signal. The extrapolation factor for the limits were 40*Log (test distance / specification distance).

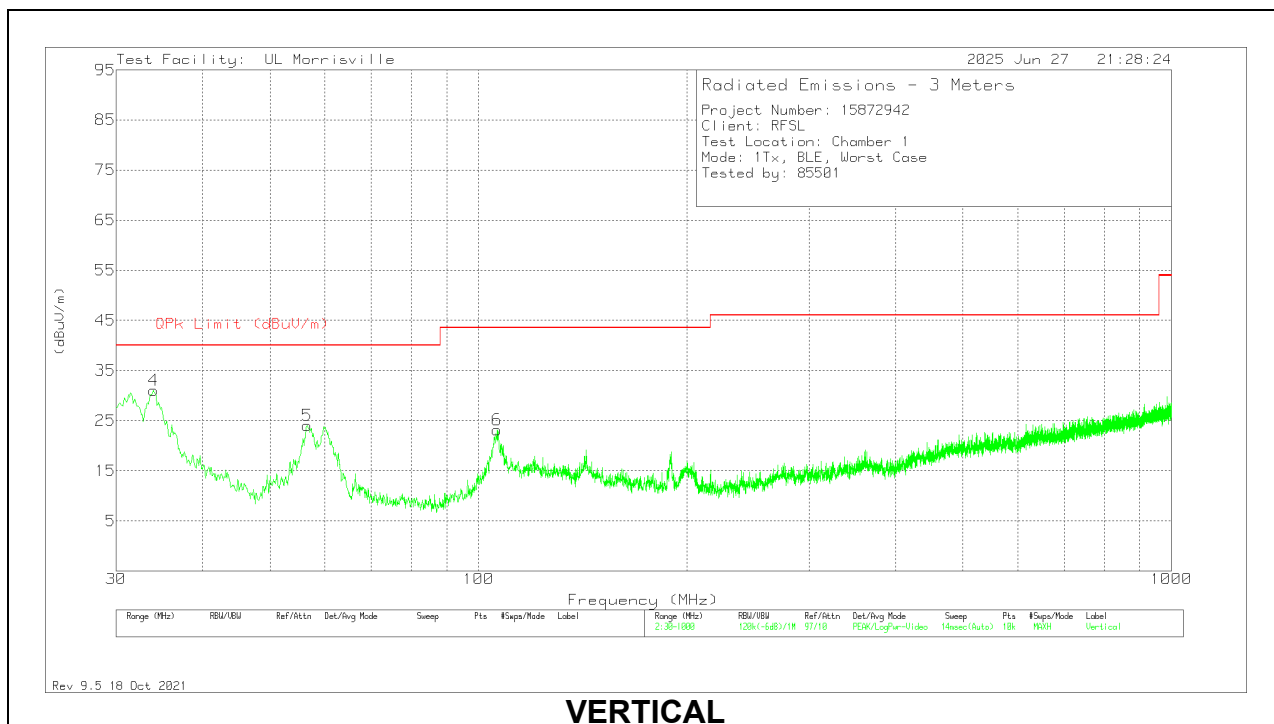
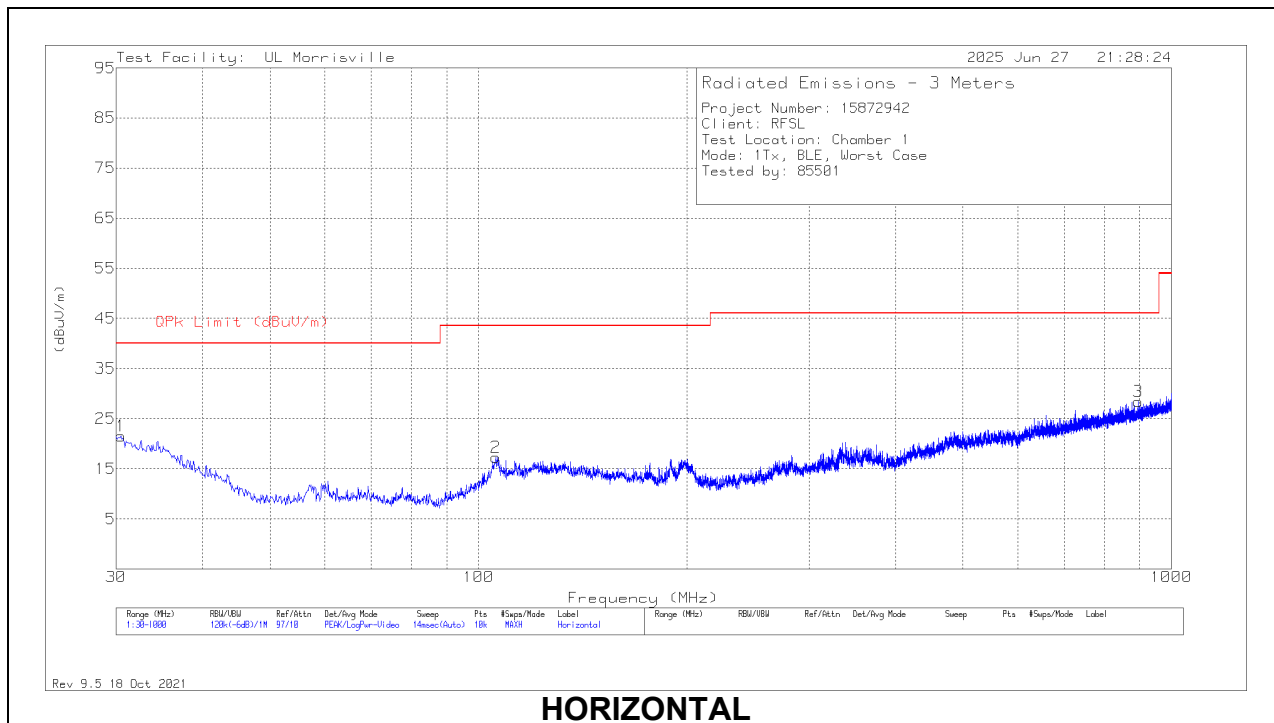


ANTENNA- THREE ORIENTATIONS – E FIELD

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	ANT (dB/m)	Gain/Loss (dB)	Dist. Corr. Factor (dB)	Corrected Reading dB(uVolts/meter)	QP/AV Limit (dBuV/m)	PK Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Loop Angle
7	.01099	43.69	Pk	18.5	.1	-80	-17.71	46.79	66.79	-64.5	0-360	Flat
1	.01113	43.69	Pk	18.4	.1	-80	-17.81	46.67	66.67	-64.48	0-360	0 degs
4	.0122	43.37	Pk	17.9	.1	-80	-18.63	45.88	65.88	-64.51	0-360	90 degs
2	.19233	45.65	Pk	11	.1	-80	-23.25	21.92	41.92	-45.17	0-360	0 degs
8	.19837	44.89	Pk	11	.1	-80	-24.01	21.65	41.65	-45.66	0-360	Flat
5	.2305	44.25	Pk	10.9	.1	-80	-24.75	20.35	40.35	-45.1	0-360	90 degs
9	.55324	35.33	Pk	11	.1	-40	6.43	32.75	-	-26.32	0-360	Flat
3	.59962	34.09	Pk	11	.1	-40	5.19	32.05	-	-26.86	0-360	0 degs
6	.61648	34.63	Pk	11	.1	-40	5.73	31.81	-	-26.08	0-360	90 degs

Pk - Peak detector

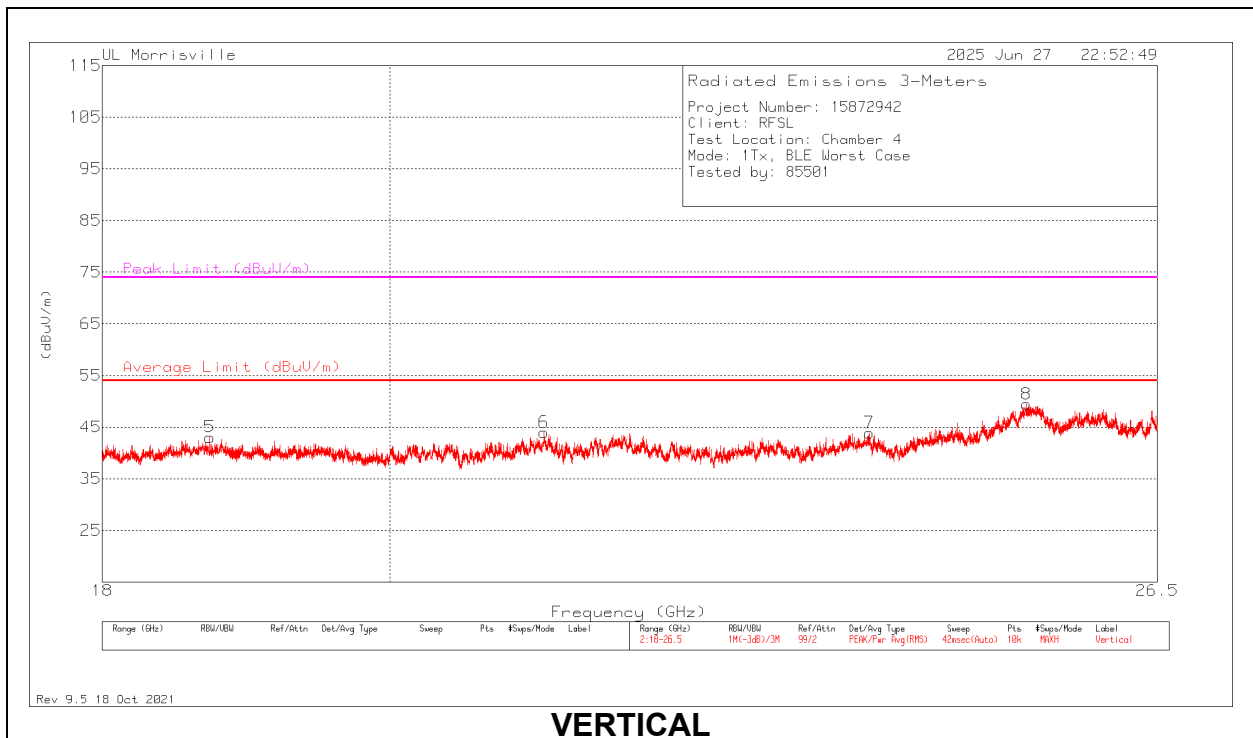
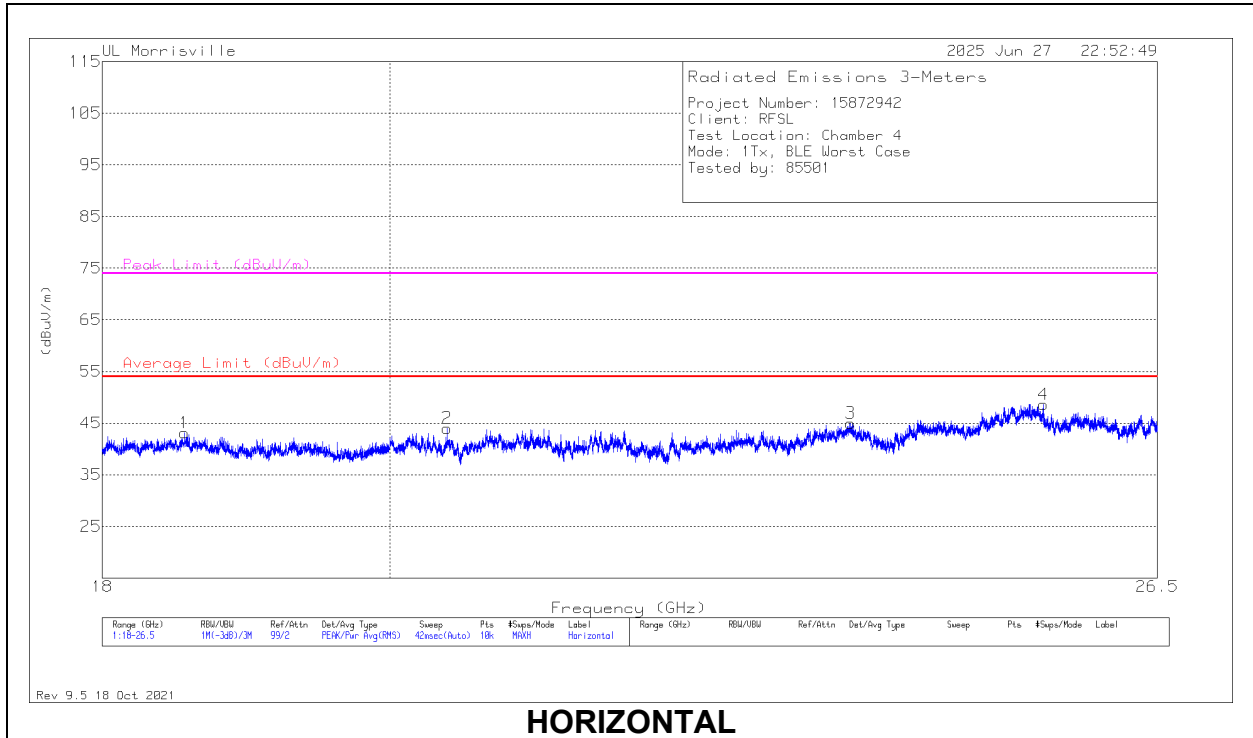
10.4. BELOW 1 GHZ (WORST-CASE CONFIGURATION)



Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	90629 (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	30.485	26.85	Pk	26.5	-31.8	21.55	40	-18.45	0-360	100	H
4	33.977	38.81	Pk	24.1	-31.9	31.01	40	-8.99	0-360	100	V
5	56.578	41.72	Pk	13.6	-31.3	24.02	40	-15.98	0-360	100	V
2	105.951	29.71	Pk	18.2	-30.6	17.31	43.52	-26.21	0-360	299	H
6	106.436	35.27	Pk	18.3	-30.4	23.17	43.52	-20.35	0-360	100	V
3	894.658	26.78	Pk	28.2	-26.6	28.38	46.02	-17.64	0-360	100	H

Pk - Peak detector

10.5. SPURIOUS 18-26 GHZ (WORST-CASE CONFIGURATION)



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	91186 (dB/m)	Gain/Loss (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* ** 18.55074	49.79	Pk	32.5	-39.2	0	43.09	54	-10.91	74	-30.91	0-360	200	H
2	* ** 20.42481	50.19	Pk	32.8	-39	0	43.99	54	-10.01	74	-30.01	0-360	250	H
3	* ** 23.67998	48.68	Pk	33.9	-37.6	0	44.98	54	-9.02	74	-29.02	0-360	150	H
5	* ** 18.72413	50.06	Pk	32.5	-39.5	0	43.06	54	-10.94	74	-30.94	0-360	200	V
6	* ** 21.16253	49.68	Pk	32.7	-38.4	0	43.98	54	-10.02	74	-30.02	0-360	300	V
7	* ** 23.84572	47.89	Pk	33.9	-37.9	0	43.89	54	-10.11	74	-30.11	0-360	250	V
8	25.25912	48.53	Pk	34.3	-33.4	0	49.43	-	-	-	-	0-360	300	V
4	25.41551	46.8	Pk	34.1	-32.3	0	48.6	-	-	-	-	0-360	250	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

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.

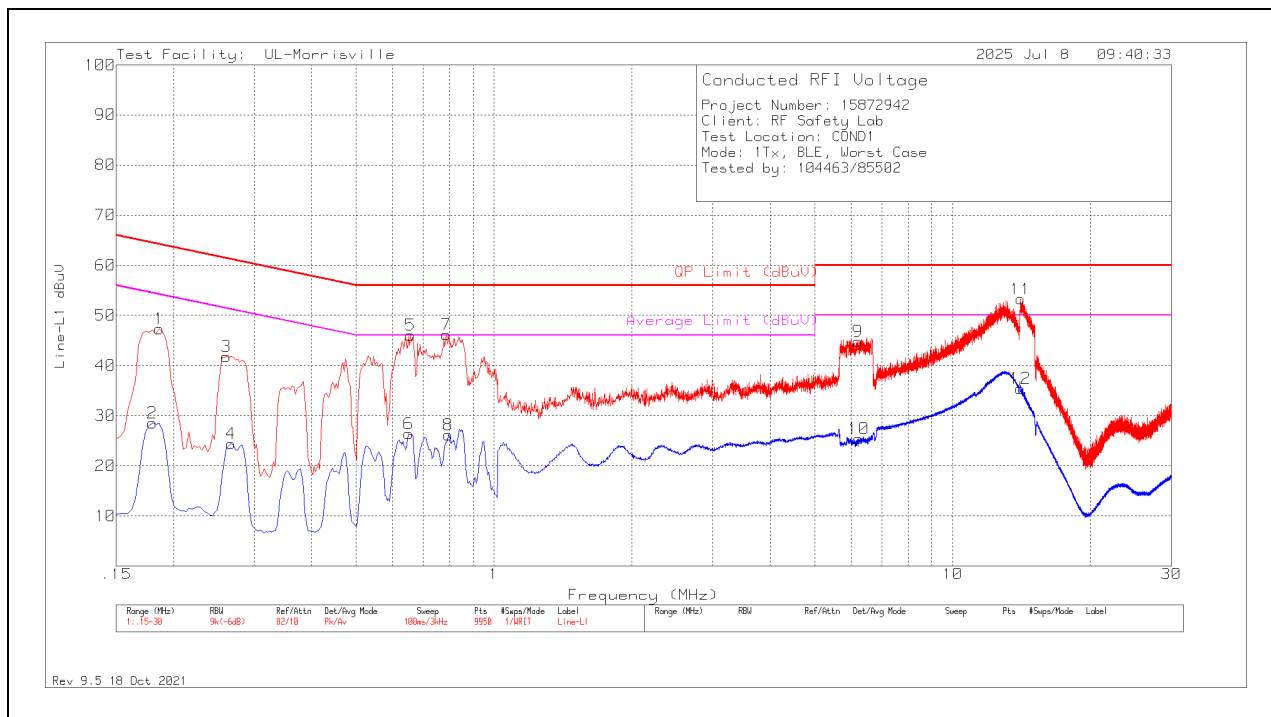
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both lines.

RESULTS

11.1.1. AC Power Line

LINE 1 RESULTS



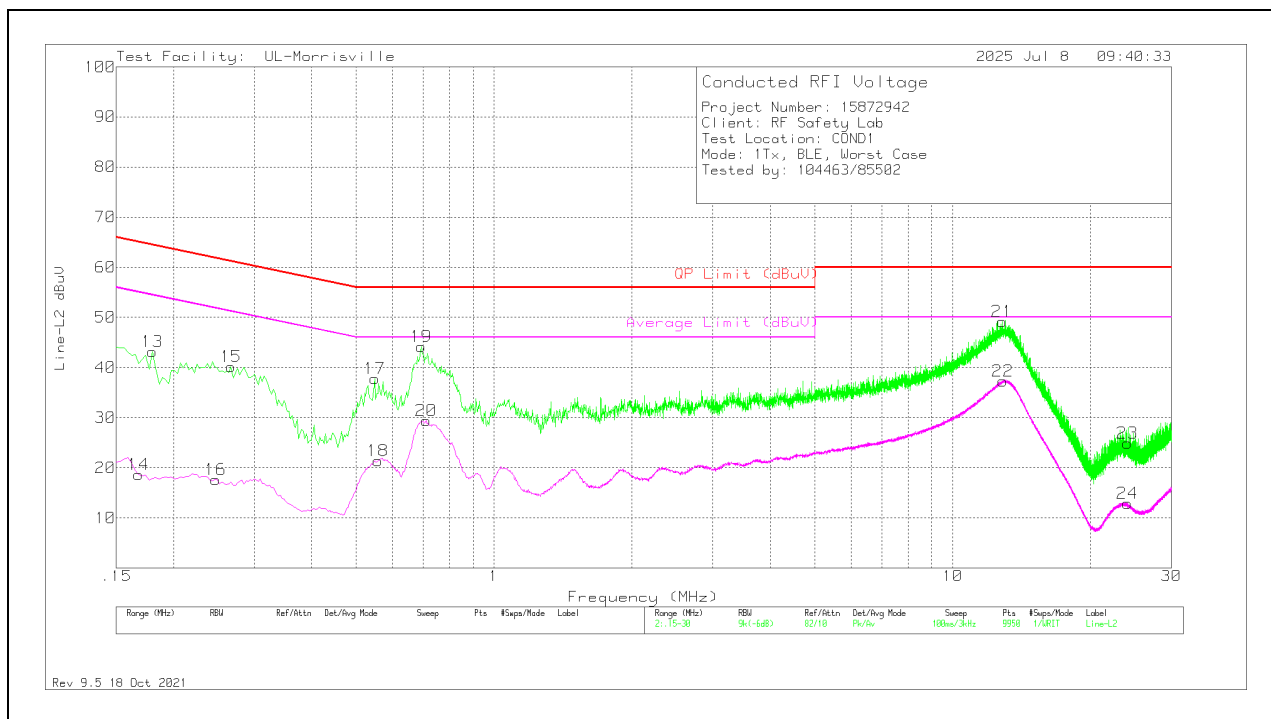
Range 1: Line-L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VDF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
2	.18	18.66	Av	.2	9.7	28.56	-	-	54.49	-25.93
1	.186	37.42	Pk	.2	9.7	47.32	64.21	-16.89	-	-
3	.261	31.99	Pk	.1	9.7	41.79	61.4	-19.61	-	-
4	.267	14.64	Av	.1	9.7	24.44	-	-	51.21	-26.77
6	.651	16.73	Av	0	9.7	26.43	-	-	46	-19.57
5	.657	36.33	Pk	0	9.7	46.03	56	-9.97	-	-
7	.786	36.44	Pk	0	9.7	46.14	56	-9.86	-	-
8	.795	16.43	Av	0	9.7	26.13	-	-	46	-19.87
9	6.222	35.03	Pk	.1	9.7	44.83	60	-15.17	-	-
10	6.231	15.58	Av	.1	9.7	25.38	-	-	50	-24.62
12	14.055	25.49	Av	.1	9.8	35.39	-	-	50	-14.61
11	14.073	43.36	Pk	.1	9.8	53.26	60	-6.74	-	-

Pk – Peak Detector

Av – Average Detector

LINE 2 RESULTS



Range 1: Line-L1 .15 - 30MHz										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN VDF (dB)	Cbl/Limiter (dB)	Corrected Reading dBuV	QP Limit (dBuV)	Margin (dB)	Average Limit (dBuV)	Margin (dB)
1	.153	36.64	Pk	.2	9.7	46.54	65.84	-19.3	-	-
2	.153	12.46	Av	.2	9.7	22.36	-	-	55.84	-33.48
3	.282	27.85	Pk	.1	9.7	37.65	60.76	-23.11	-	-
4	.282	7.13	Av	.1	9.7	16.93	-	-	50.76	-33.83
6	.738	19.85	Av	0	9.7	29.55	-	-	46	-16.45
5	.741	33.18	Pk	0	9.7	42.88	56	-13.12	-	-
7	1.305	19.14	Pk	0	9.7	28.84	56	-27.16	-	-
8	1.305	8.47	Av	0	9.7	18.17	-	-	46	-27.83
10	4.338	9.57	Av	.1	9.7	19.37	-	-	46	-26.63
9	4.365	19.22	Pk	.1	9.7	29.02	56	-26.98	-	-
11	12.309	28.8	Pk	.1	9.8	38.7	60	-21.3	-	-
12	12.324	18.62	Av	.1	9.8	28.52	-	-	50	-21.48

Pk – Peak Detector

Av – Average Detector

12. SETUP PHOTOS

Please refer to R15872942-EP1 for setup photos

END OF TEST REPORT