

TEST REPORT

Applicant Name: Grandstream Networks, Inc.
Address: 126 Brookline Ave., 3rd Floor Boston, MA 02215, USA
Report Number: 2601T21768E-EM-00
FCC ID: YZZGWN7713P

Test Standard (s)

FCC Part 15, Subpart B (Class A)

Sample Description

Product Type: Layer 2 Lite Managed Network PoE Switch
Model No.: GWN7713P
Multiple Model(s) No.: N/A
Trade Mark: GRANDSTREAM
Date Received: 2026/05/27
Issue Date: 2026/07/15

Test Result:	Pass [▲]
--------------	-------------------

▲ In the configuration tested, the EUT complied with the standards above.

Prepared and Checked By:

Haiguo Li

Haiguo Li
EMC Engineer

Approved By:

Moon Liu

Moon Liu
EMC Supervisor

Note: The information marked # is provided by the applicant, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report. Customer model name, addresses, names, trademarks etc. are included.

This report cannot be reproduced except in full, without prior written approval of the Company. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.

This report must not be used by the customer to claim product certification, approval, or endorsement by NVLAP or any agency of the U.S. Government.

This report may contain data that are not covered by the NVLAP accreditation and are marked with an asterisk "▼".

Bay Area Compliance Laboratories Corp. (Shenzhen)

5F(B-West), 6F, 7F, the 3rd Phase of Wan Li Industrial Building D, Shihua Rd, FuTian Free Trade Zone, Shenzhen, China

Tel: +86-755-33320018 Fax: +86-755-33320008 www.baclcorp.com.cn

TABLE OF CONTENTS

DOCUMENT REVISION HISTORY	3
GENERAL INFORMATION.....	4
PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT)	4
OBJECTIVE	4
TEST METHODOLOGY	4
MEASUREMENT UNCERTAINTY.....	4
TEST FACILITY	5
SYSTEM TEST CONFIGURATION.....	6
DESCRIPTION OF TEST CONFIGURATION	6
EUT EXERCISE SOFTWARE	6
EQUIPMENT MODIFICATIONS	6
SUPPORT EQUIPMENT LIST AND DETAILS	6
EXTERNAL I/O CABLE.....	7
BLOCK DIAGRAM OF TEST SETUP	7
SUMMARY OF TEST RESULTS	8
TEST EQUIPMENT LIST	9
FCC §15.107 - AC LINE CONDUCTED EMISSIONS.....	10
APPLICABLE STANDARD	10
EUT SETUP	10
EMI TEST RECEIVER SETUP.....	10
TEST PROCEDURE	11
LEVEL & OVER LIMIT CALCULATION	11
TEST DATA	11
FCC §15.109 - RADIATED EMISSIONS	18
APPLICABLE STANDARD	18
EUT SETUP	18
EMI TEST RECEIVER AND SPECTRUM ANALYZER SETUP	19
TEST PROCEDURE	19
LEVEL & OVER LIMIT CALCULATION	20
TEST DATA	20
EUT PHOTOGRAPHS.....	33
TEST SETUP PHOTOGRAPHS	34

DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	2601T21768E-EM-00	Original Report	2026/07/15

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Voltage Range	AC 100-240V 50/60Hz
Highest operating frequency [#]	500 MHz (Provided by the applicant)
Equipment Class	Class A
Sample number	GWN7713P: 3MMI-4 UE power supply: 3MMI-1 AOYUAN power supply: 3MMI-2 PYW power supply: 3MMI-3 (Assigned by BACL, Shenzhen)
Sample/EUT Status	Good condition
Adapter Information	N/A

Objective

This test report is in accordance with Part 2-Subpart J, Part 15B Subparts A and B of the Federal Communication Commissions rules.

The objective of the manufacturer is to determine the compliance of the EUT with FCC Part 15B.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.4-2014, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.

All emissions measurement was performed at Bay Area Compliance Laboratories Corp. (Shenzhen). The radiated testing was performed at an antenna-to-EUT distance of 3 meters. Each test item follows test standards and with no deviation.

Measurement Uncertainty

Item	Frequency Range		Expanded Measurement uncertainty
Conducted Emissions	AC Mains	150 kHz ~30MHz	3.72dB(k=2, 95% level of confidence)
Radiated Disturbance	30MHz~1000MHz	Horizontal	5.10dB(k=2, 95% level of confidence)
	30MHz~1000MHz	Vertical	6.28dB(k=2, 95% level of confidence)
	1GHz~6GHz	/	6.18dB(k=2, 95% level of confidence)
	6GHz~18GHz	/	6.62dB(k=2, 95% level of confidence)
	18GHz~40GHz	/	6.66dB(k=2, 95% level of confidence)

Note: The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Shenzhen) to collect test data is located on the 5F(B-West), 6F, 7F, the 3rd Phase of Wan Li Industrial Building D, Shihua Rd, FuTian Free Trade Zone, Shenzhen, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, test firm registration No.: 715558, the FCC Designation No.: CN5045.

Each test item follows test standards and with no deviation.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

The system was configured for testing in worst case condition.

Test Mode 1: Data communication & full load (Layer 2 Lite Managed Network PoE Switch GWN7713P, UE power supply)

Test Mode 2: Data communication & full load (Layer 2 Lite Managed Network PoE Switch GWN7713P, AOYUAN power supply)

Test Mode 3: Data communication & full load (Layer 2 Lite Managed Network PoE Switch GWN7713P, PYW power supply)

EUT exercise software

No exercise software was used.

Equipment Modifications

No modification was made to the EUT tested.

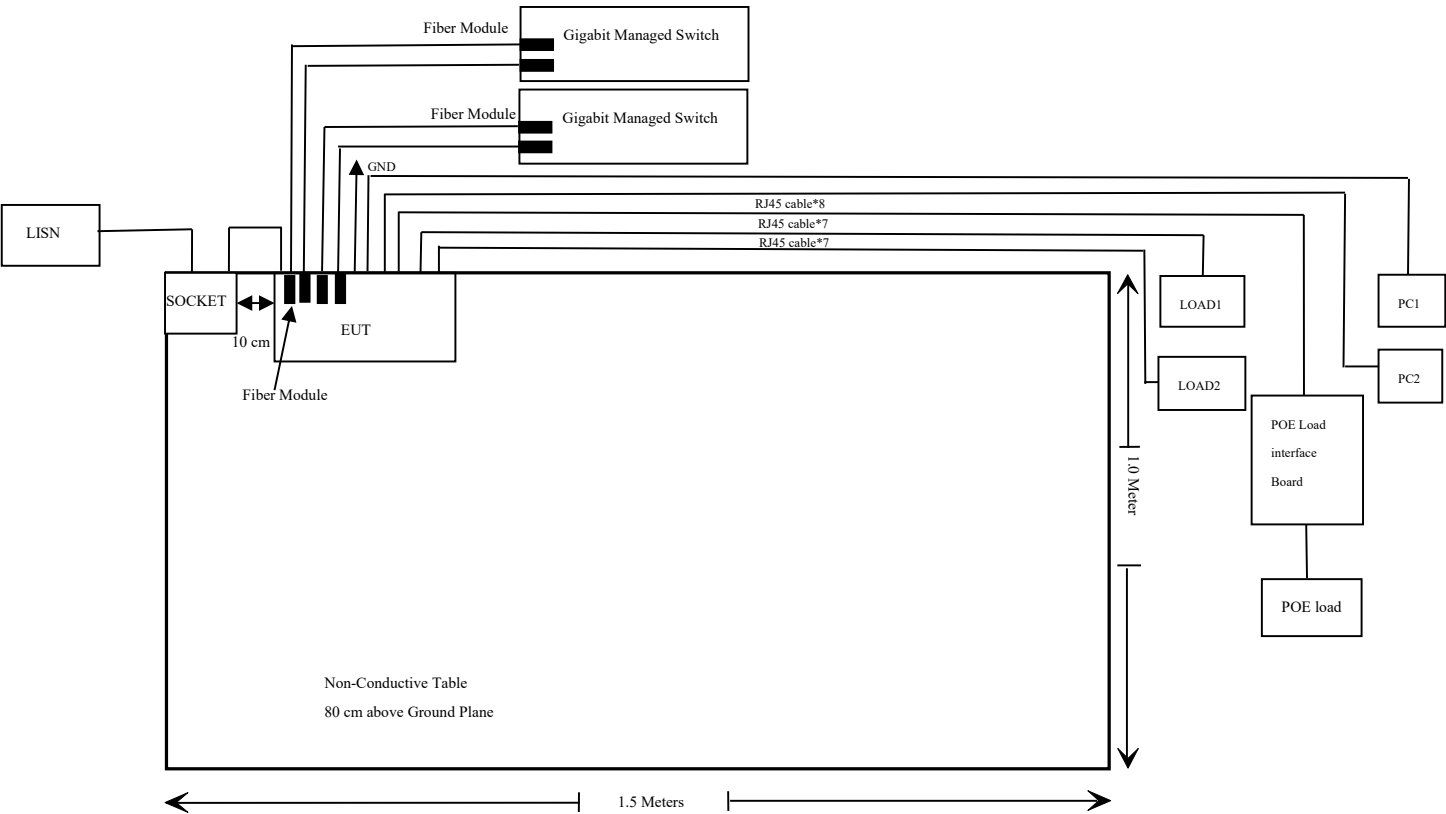
Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
OUPU	SOCKET	PDU-OP1606K	6971041358020
DELL	PC1	Latitude E7270	1JH13G2
DELL	PC2	Latitude E6520	DL0ZCS1
TP-Link	POE Load interface Board	WLS031339	/
TP-Link	POE Load	PRL-12 1.0	/
TP-link	Fiber module*4	N/A	/
TP-link	Gigabit Managed Switch*2	ES220GP	/
TP-link	Fiber Module*4	N/A	/
N/A	LOAD1	N/A	/
N/A	LOAD2	N/A	/

External I/O Cable

Cable Description	Length (m)	From/Port	To
Unshielded un-detachable AC cable	1.0	SOCKET	LISN
Unshielded detachable AC cable	1.2	EUT	SOCKET
Unshielded detachable fiber cable*4	2.0	Fiber module	Fiber module
Unshielded detachable RJ45 cable	3.0	EUT	PC1
Unshielded detachable RJ45 cable	3.0	EUT	PC2
Unshielded detachable RJ45 cable*8	3.0	EUT	POE Load interface Board
Unshielded detachable RJ45 cable*7	3.0	EUT	LOAD1
Unshielded detachable RJ45 cable*7	3.0	EUT	LOAD2
Unshielded detachable DC cable	1.5	EUT	GND

Block Diagram of Test Setup



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Results
§15.107	AC Line Conducted Emissions	Compliant
§15.109	Radiated Emissions	Compliant

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
AC Line Conducted Emission Test					
Rohde & Schwarz	EMI Test Receiver	ESCI	101120	2025/09/01	2026/08/31
Rohde & Schwarz	LISN	ENV216	101613	2025/09/18	2026/09/17
Rohde & Schwarz	Transient Limiter	ESH3Z2	DE25985	2025/09/18	2026/09/17
Unknown	CE Cable	Unknown	UF A210B-1-0720-504504	2025/09/18	2026/09/17
Audix	EMI Test software	E3	191218 V9(c)	NCR	NCR
Radiated Emission Test					
Rohde & Schwarz	EMI Test Receiver	ESR3	102455	2025/09/01	2026/08/31
Sonoma instrument	Pre-amplifier	310 N	186238	2025/09/08	2026/09/07
Sunol Sciences	Broadband Antenna	JB1	A040904-1	2023/07/20	2026/07/19
Unknown	Chamber A Cable	Cable A1	Cable A1	2025/09/08	2026/09/07
Unknown	Chamber A Cable	Cable A2	Cable A2	2025/09/08	2026/09/07
Audix	EMI Test software	E3	19821b(V9)	NCR	NCR
TDK	Chamber	Chamber A	2#	2023/07/12	2026/07/11
Rohde & Schwarz	Spectrum Analyzer	FSV40	101605	2025/09/01	2026/08/31
A.H.System	Preamplifier	PAM-0118P	489	2025/09/08	2026/09/07
Schwarzbeck	Horn Antenna	BBHA9120D(1201)	1143	2023/07/26	2026/07/25
Unknown	Chamber B Cable	Cable B1	Cable B1	2025/09/08	2026/09/07
Unknown	Chamber B Cable	Cable B2	Cable B2	2025/09/08	2026/09/07
Audix	EMI Test software	E3	191218 V9(c)	NCR	NCR
TDK	Chamber	Chamber B	1#	2023/07/14	2026/07/13

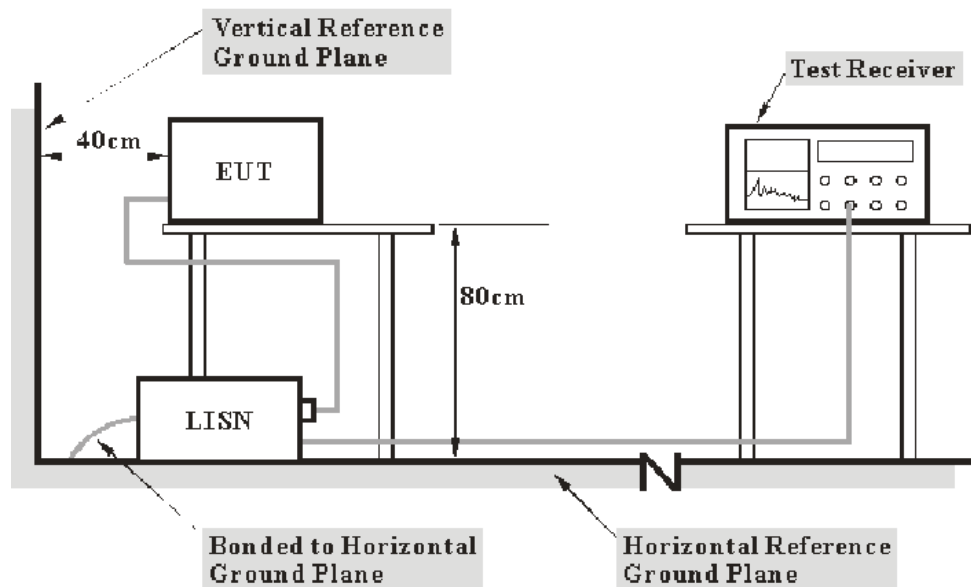
* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

FCC §15.107 - AC LINE CONDUCTED EMISSIONS

Applicable Standard

According to FCC§15.107

EUT Setup



- Note: 1. Support units were connected to second LISN.
 2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The measurement procedure of EUT setup is according with ANSI C63.4-2014. The related limit was specified in FCC Part 15.107.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

The spacing between the peripherals was 10 cm.

EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

Frequency Range	RBW
150 kHz – 30 MHz	9 kHz

Test Procedure

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All final data was recorded in the Quasi-peak and average detection mode.

Level & Over Limit Calculation

The Level is calculated by adding the LISN Factor, Cable Loss and the Read Level. The basic equation is as follows:

$$\text{Level (dBuV)} = \text{Read Level (dBuV)} + \text{LISN Factor} + \text{Cable Loss}$$

The “**Over limit**” column of the following data tables indicates the degree of compliance with the applicable limit.

$$\text{Over Limit (dB)} = \text{Level (dBuV)} - \text{Limit Line (dBuV)}$$

Note: The term "cable loss" refers to the combination of a cable and a 10dB transient limiter (attenuator).

Test Data

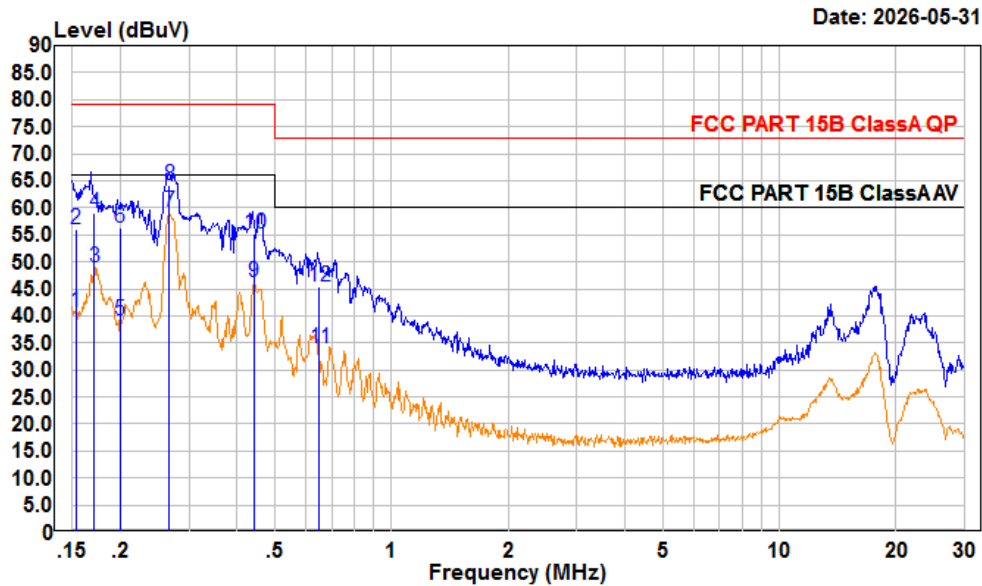
Environmental Conditions

Temperature:	23.9~24.9 °C
Relative Humidity:	62~68 %
ATM Pressure:	100.5~100.6 kPa

The testing was performed by Macy Shi from 2026-05-31 to 2026-06-07.

Test Mode 1

AC 120V/60 Hz, Line



Condition: Line

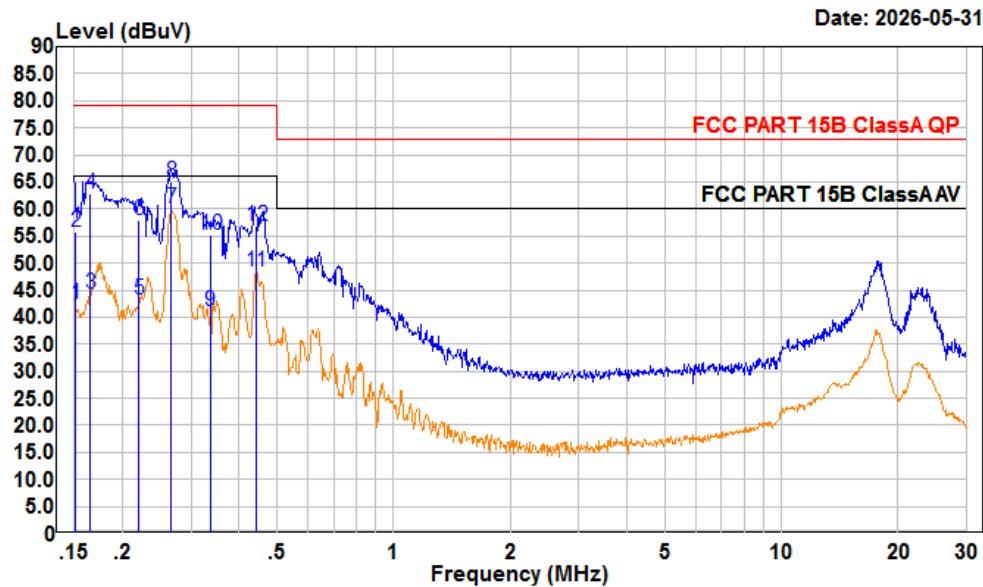
Project : 2601T21768E-EM

test Mode: mode 1

tester : Macy.shi Setting: RBW:9kHz

	Freq	Read Level	LISN Level	LISN Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.154	21.18	40.90	9.70	10.02	66.00	-25.10	Average
2	0.154	36.44	56.16	9.70	10.02	79.00	-22.84	QP
3	0.171	29.31	49.03	9.70	10.02	66.00	-16.97	Average
4	0.171	39.40	59.12	9.70	10.02	79.00	-19.88	QP
5	0.199	19.42	39.15	9.70	10.03	66.00	-26.85	Average
6	0.199	36.50	56.23	9.70	10.03	79.00	-22.77	QP
7	0.267	39.57	59.33	9.73	10.03	66.00	-6.67	Average
8	0.267	44.42	64.18	9.73	10.03	79.00	-14.82	QP
9	0.441	26.46	46.28	9.79	10.03	66.00	-19.72	Average
10	0.441	35.28	55.10	9.79	10.03	79.00	-23.90	QP
11	0.651	14.27	34.11	9.80	10.04	60.00	-25.89	Average
12	0.651	25.58	45.42	9.80	10.04	73.00	-27.58	QP

AC 120V/60 Hz, Neutral



Condition: neutral

Project : 2601T21768E-EM

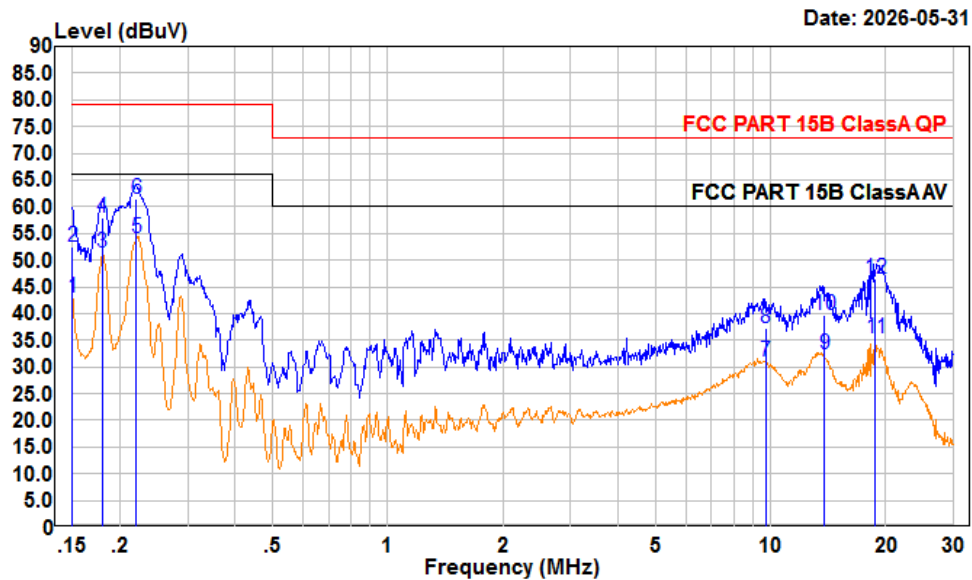
test Mode: mode 1

tester : Macy.shi Setting: RBW: 9kHz

	Freq	Read Level	Level	LISN Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.151	22.75	42.37	9.60	10.02	66.00	-23.63	Average
2	0.151	36.01	55.63	9.60	10.02	79.00	-23.37	QP
3	0.165	24.59	44.21	9.60	10.02	66.00	-21.79	Average
4	0.165	43.27	62.89	9.60	10.02	79.00	-16.11	QP
5	0.221	23.67	43.30	9.60	10.03	66.00	-22.70	Average
6	0.221	38.40	58.03	9.60	10.03	79.00	-20.97	QP
7	0.266	40.52	60.15	9.60	10.03	66.00	-5.85	Average
8	0.266	45.35	64.98	9.60	10.03	79.00	-14.02	QP
9	0.336	21.32	40.95	9.60	10.03	66.00	-25.05	Average
10	0.336	35.60	55.23	9.60	10.03	79.00	-23.77	QP
11	0.440	28.82	48.45	9.60	10.03	66.00	-17.55	Average
12	0.440	37.22	56.85	9.60	10.03	79.00	-22.15	QP

Test Mode 2

AC 120V/60 Hz, Line



Condition: Line

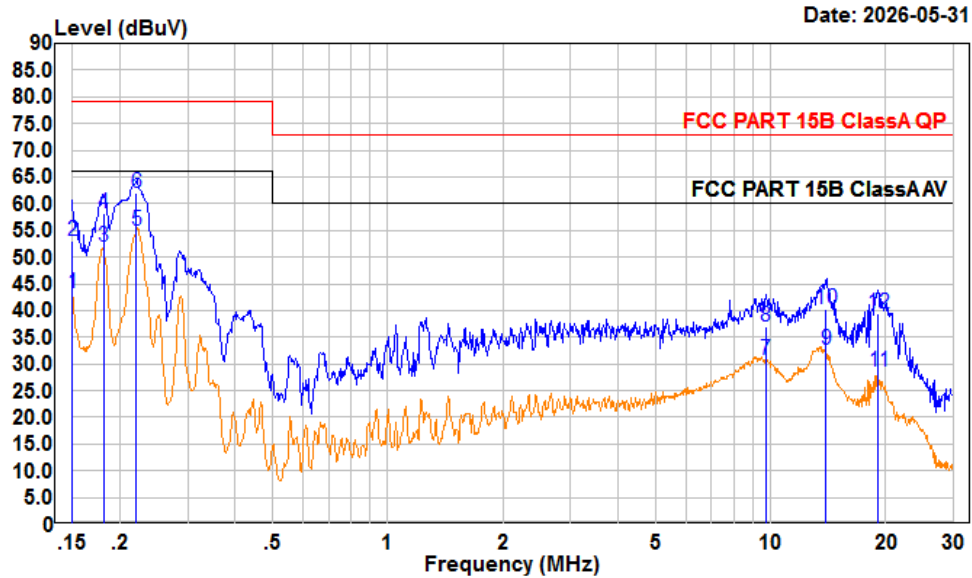
Project : 2601T21768E-EM

test Mode: mode 2

tester : Macy.shi Setting:RBW:9kHz

	Freq	Read Level	LISN Level	LISN Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.150	23.28	43.00	9.70	10.02	66.00	-23.00	Average
2	0.150	32.67	52.39	9.70	10.02	79.00	-26.61	QP
3	0.180	31.74	51.47	9.70	10.03	66.00	-14.53	Average
4	0.180	38.22	57.95	9.70	10.03	79.00	-21.05	QP
5	0.221	34.51	54.25	9.71	10.03	66.00	-11.75	Average
6	0.221	41.76	61.50	9.71	10.03	79.00	-17.50	QP
7	9.724	10.73	30.96	9.90	10.33	60.00	-29.04	Average
8	9.724	16.94	37.17	9.90	10.33	73.00	-35.83	QP
9	13.829	12.02	32.29	9.90	10.37	60.00	-27.71	Average
10	13.829	19.52	39.79	9.90	10.37	73.00	-33.21	QP
11	18.789	14.91	35.23	9.90	10.42	60.00	-24.77	Average
12	18.789	26.29	46.61	9.90	10.42	73.00	-26.39	QP

AC 120V/60 Hz, Neutral



Condition: neutral

Project : 2601T21768E-EM

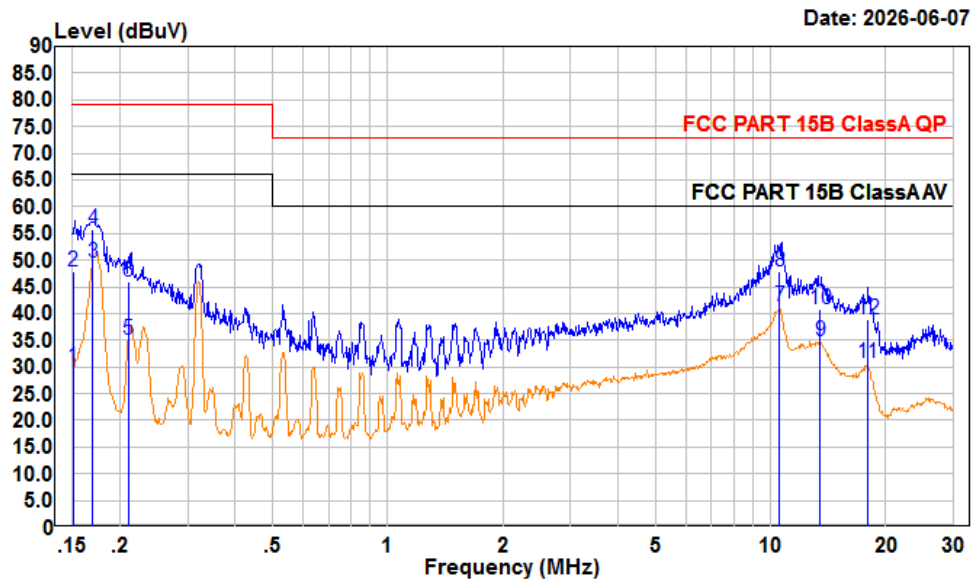
test Mode: mode 2

tester : Macy.shi Setting:RBW:9kHz

	Freq	Read Level	LISN Level	LISN Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.150	23.57	43.19	9.60	10.02	66.00	-22.81	Average
2	0.150	33.38	53.00	9.60	10.02	79.00	-26.00	QP
3	0.181	32.31	51.94	9.60	10.03	66.00	-14.06	Average
4	0.181	38.61	58.24	9.60	10.03	79.00	-20.76	QP
5	0.221	35.38	55.01	9.60	10.03	66.00	-10.99	Average
6	0.221	42.48	62.11	9.60	10.03	79.00	-16.89	QP
7	9.692	10.80	30.82	9.70	10.32	60.00	-29.18	Average
8	9.692	16.86	36.88	9.70	10.32	73.00	-36.12	QP
9	13.929	12.44	32.51	9.70	10.37	60.00	-27.49	Average
10	13.929	20.23	40.30	9.70	10.37	73.00	-32.70	QP
11	19.116	8.32	28.44	9.70	10.42	60.00	-31.56	Average
12	19.116	19.43	39.55	9.70	10.42	73.00	-33.45	QP

Test Mode 3

AC 120V/60 Hz, Line



Condition: Line

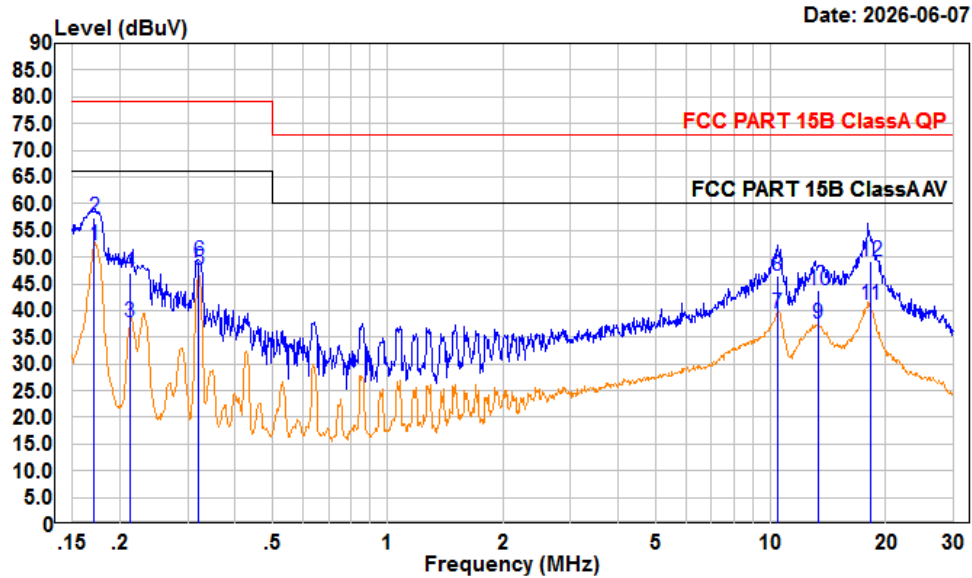
Project : 2601T21768E-EM

test Mode: mode 3

tester : Macy.shi Setting:RBW:9kHz

	Freq	Read Level	LISN Level	LISN Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.151	10.15	29.87	9.70	10.02	66.00	-36.13	Average
2	0.151	28.28	48.00	9.70	10.02	79.00	-31.00	QP
3	0.169	29.80	49.52	9.70	10.02	66.00	-16.48	Average
4	0.169	36.07	55.79	9.70	10.02	79.00	-23.21	QP
5	0.210	15.38	35.12	9.71	10.03	66.00	-30.88	Average
6	0.210	26.33	46.07	9.71	10.03	79.00	-32.93	QP
7	10.548	20.98	41.22	9.90	10.34	60.00	-18.78	Average
8	10.548	27.61	47.85	9.90	10.34	73.00	-25.15	QP
9	13.447	14.47	34.73	9.90	10.36	60.00	-25.27	Average
10	13.447	20.55	40.81	9.90	10.36	73.00	-32.19	QP
11	17.933	10.51	30.82	9.90	10.41	60.00	-29.18	Average
12	17.933	18.63	38.94	9.90	10.41	73.00	-34.06	QP

AC 120V/60 Hz, Neutral



Condition: neutral

Project : 2601T21768E-EM

test Mode: mode 3

tester : Macy.shi Setting:RBW:9kHz

	Freq	Read Level	LISN Level	LISN Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.171	32.50	52.12	9.60	10.02	66.00	-13.88	Average
2	0.171	37.88	57.50	9.60	10.02	79.00	-21.50	QP
3	0.212	18.31	37.94	9.60	10.03	66.00	-28.06	Average
4	0.212	27.40	47.03	9.60	10.03	79.00	-31.97	QP
5	0.321	28.06	47.69	9.60	10.03	66.00	-18.31	Average
6	0.321	29.53	49.16	9.60	10.03	79.00	-29.84	QP
7	10.393	19.54	39.57	9.70	10.33	60.00	-20.43	Average
8	10.393	26.56	46.59	9.70	10.33	73.00	-26.41	QP
9	13.313	17.46	37.52	9.70	10.36	60.00	-22.48	Average
10	13.313	23.82	43.88	9.70	10.36	73.00	-29.12	QP
11	18.227	20.84	40.95	9.70	10.41	60.00	-19.05	Average
12	18.227	29.09	49.20	9.70	10.41	73.00	-23.80	QP

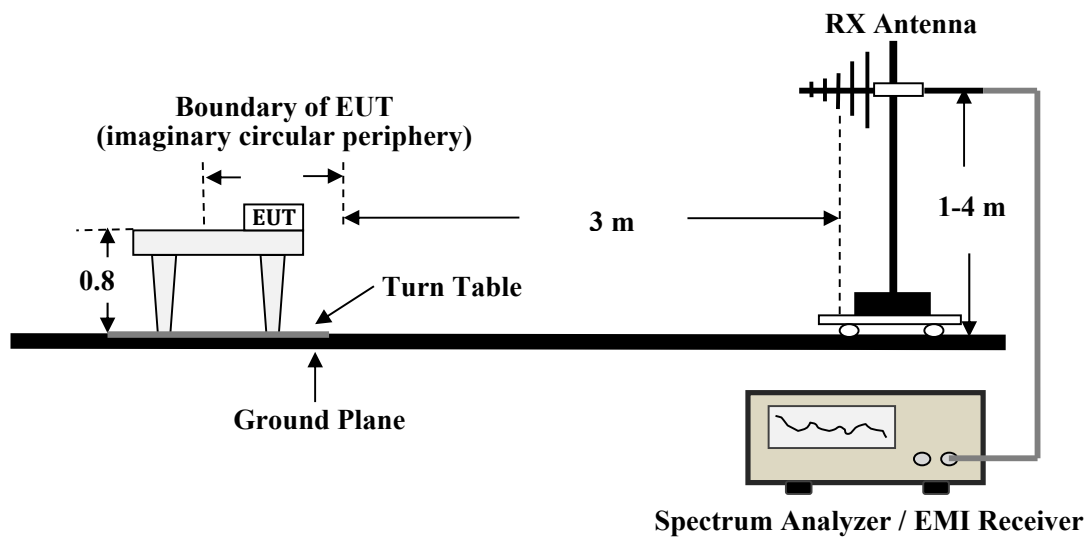
FCC §15.109 - RADIATED EMISSIONS

Applicable Standard

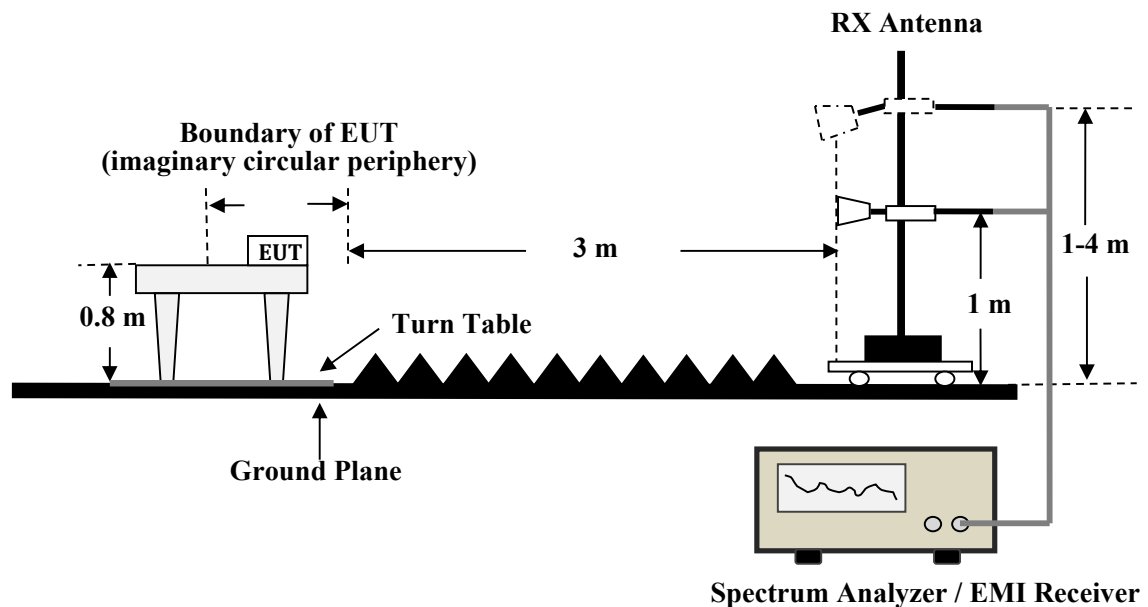
FCC §15.109

EUT Setup

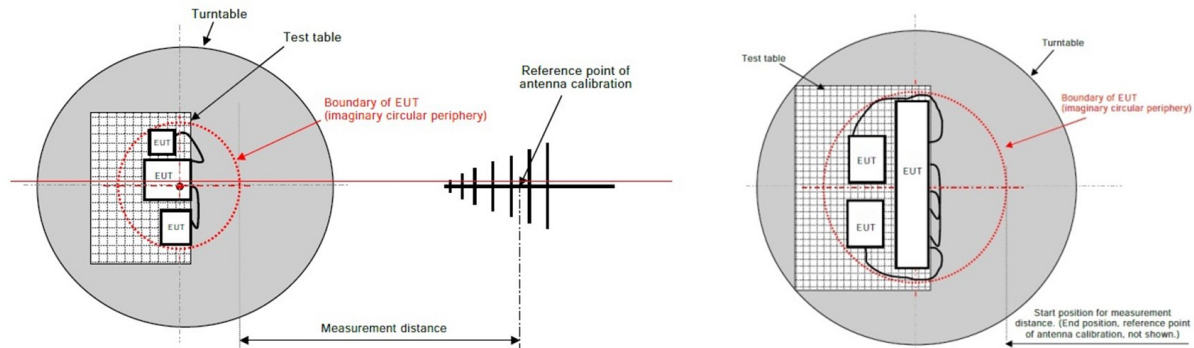
Below 1GHz for Radiated Emissions



Above 1GHz for Radiated Emissions



Radiated Emissions Setup Configuration



The radiated emission tests were performed in the 3 meters chamber test site, using the setup accordance with the ANSI C63.4-2014. The related limit was specified in FCC Part 15B.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

The spacing between the peripherals was 10 cm.

EMI Test Receiver and Spectrum analyzer Setup

During the radiated emission test, the EMI test receiver and spectrum analyzer setup was set with the following configurations:

Frequency Range	RBW	Video B/W	IF B/W	Measurement
30 MHz – 1000 MHz	120 kHz	500 kHz	/	PK
	/	/	120 kHz	QP
Above 1 GHz	1MHz	3 MHz	/	PK
	1MHz	1 kHz	/	PK

Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

If the emission level of the EUT in Peak mode was 6dB lower than the limit specified, Peak values of EUT will be reported. Otherwise, the emission will be repeated by using the Quasi-Peak method and reported for frequency range below 1GHz.

If emission level of the EUT in Peak measurement mode is 20dB lower than peak limit line (that means the emission level in Peak measurement mode complies with both Peak and average limit lines) then only Peak measurement result is reported. Otherwise, Emission in average measurement mode shall be measured, and reported for frequency range above 1GHz.

Level & Over Limit Calculation

The Level is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Read Level. The basic equation is as follows:

$$\text{Factor} = \text{Antenna Factor} + \text{Cable Loss} - \text{Amplifier Gain}$$

$$\text{Level} = \text{Read Level} + \text{Factor}$$

The “Over limit” column of the following data tables indicates the degree of compliance with the applicable limit. For example, an Over limit of -6 dB means the emission is 6dB below the limit for Class A. The equation for Over Limit calculation is as follows:

$$\text{Over limit} = \text{Level} - \text{Limit}$$

Test Data

Environmental Conditions

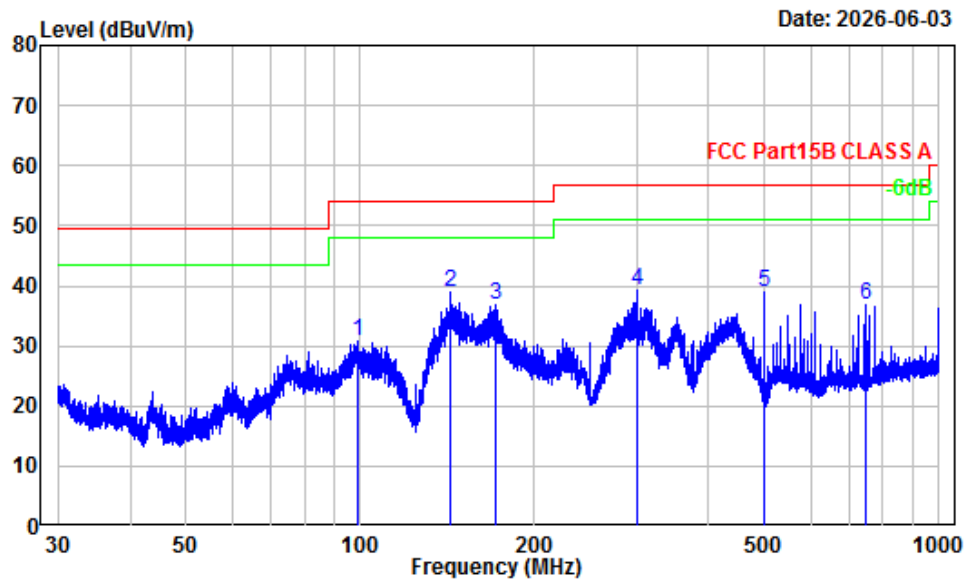
Temperature:	22.2~23.6 °C
Relative Humidity:	54~55 %
ATM Pressure:	100.0~101.8 kPa

The testing was performed by Alex Yan on 2026-06-03 for below 1GHz and Leon Guo on 2026-06-12 for above 1GHz

Test Mode 1

30 MHz~1 GHz

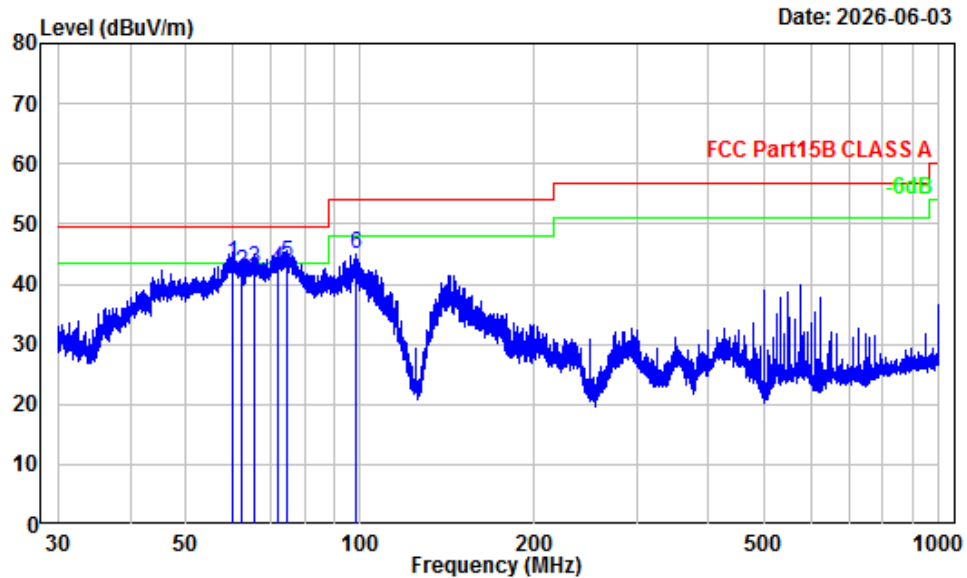
Horizontal



Site : Chamber A
Condition : 3m Horizontal
Project Number : 2601T21768E-EM
Test Mode : Mode1
Detector: Peak RBW/VBW: 120/500kHz
Tester : Alex Yan

	Freq Factor		Read	Limit	Over	Remark
	MHz	dB/m	Level	Level	Limit	
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB
1	99.27	-15.99	46.75	30.76	53.98	-23.22 Peak
2	143.33	-12.06	50.86	38.80	53.98	-15.18 Peak
3	170.79	-13.07	49.90	36.83	53.98	-17.15 Peak
4	299.97	-11.08	50.31	39.23	56.90	-17.67 Peak
5	500.08	-5.94	45.01	39.07	56.90	-17.83 Peak
6	750.11	-2.85	39.73	36.88	56.90	-20.02 Peak

Vertical

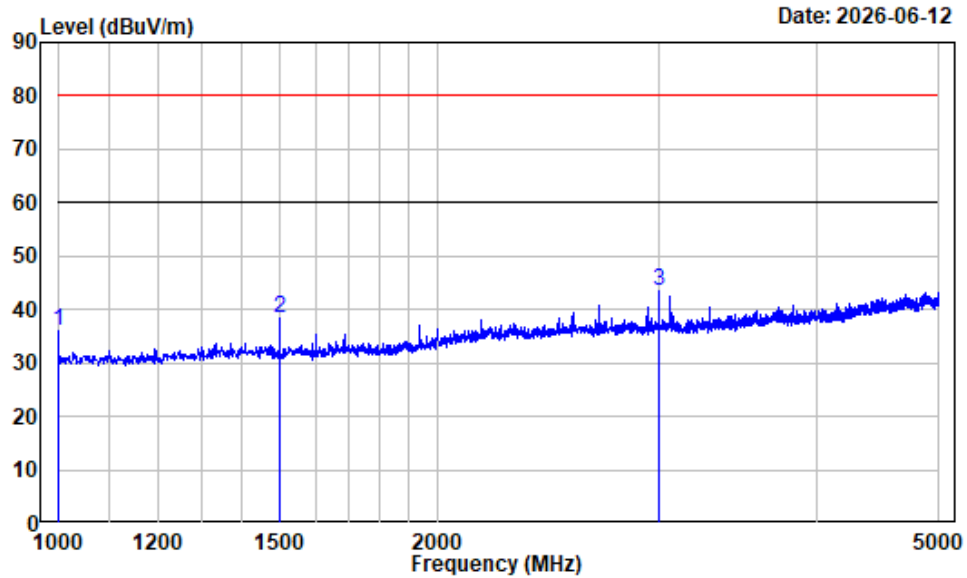


Site : Chamber A
Condition : 3m Vertical
Project Number : 2601T21768E-EM
Test Mode : Mode1
Detector: Peak RBW/VBW: 120/500kHz
Detector: QP RBW/VBW : 120kHz
Tester : Alex Yan

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	60.23	-17.98	61.34	43.36	49.54	-6.18	QP
2	62.21	-17.97	60.03	42.06	49.54	-7.48	QP
3	65.66	-17.80	60.48	42.68	49.54	-6.86	QP
4	71.90	-17.76	60.34	42.58	49.54	-6.96	QP
5	74.46	-17.76	61.30	43.54	49.54	-6.00	QP
6	98.53	-16.21	61.25	45.04	53.98	-8.94	Peak

1 ~ 5 GHz

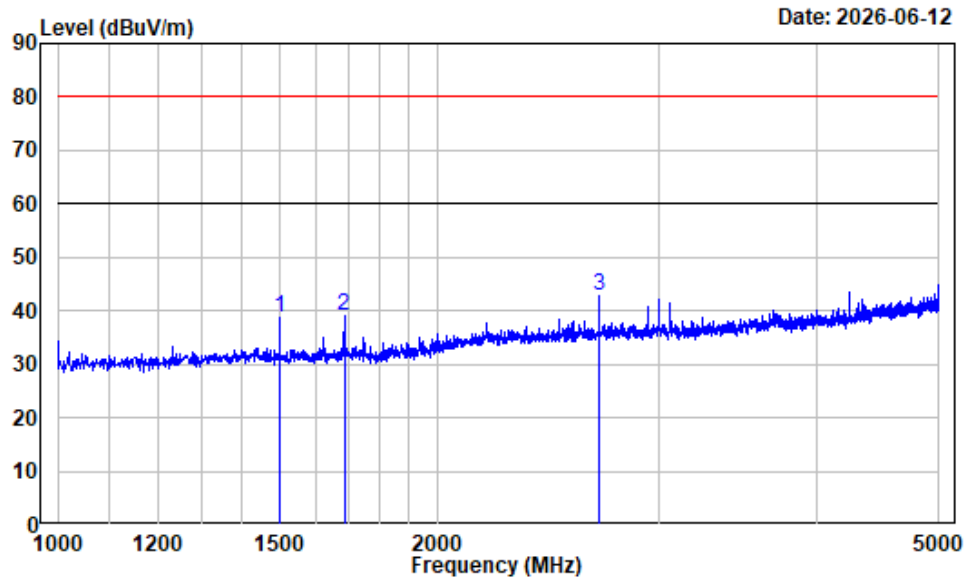
Horizontal



Site : chamber B
Condition : Horizontal
Project Number : 2601T21768E-EM
Test mode : Mode 1
Tester : Leon Guo
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak

	Freq Factor		Read Level		Limit	Over	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	1000.000	-15.44	51.34	35.90	80.00	-44.10	Peak
2	1500.250	-14.10	52.32	38.22	80.00	-41.78	Peak
3	2999.563	-9.42	52.85	43.43	80.00	-36.57	Peak

Vertical



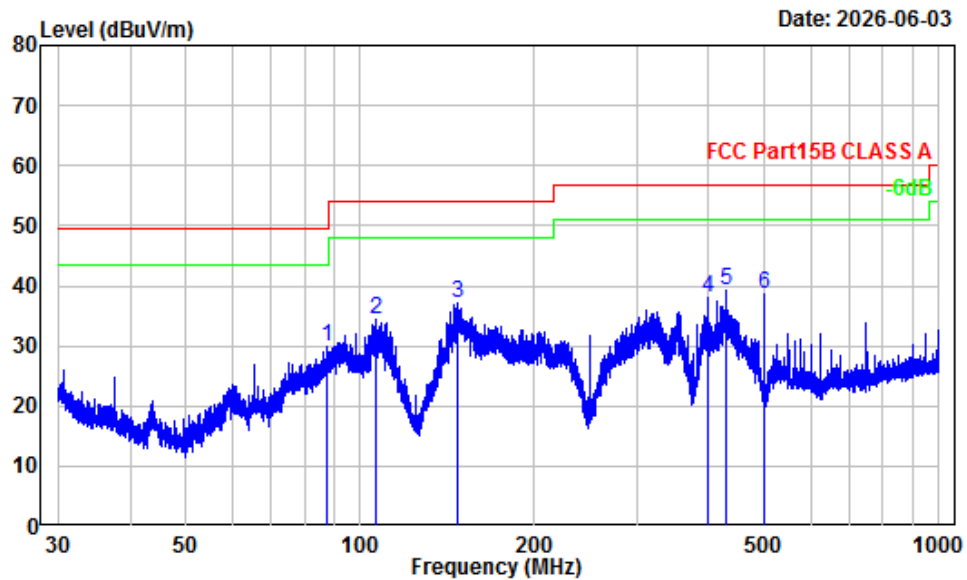
Site : chamber B
Condition : Vertical
Project Number : 2601T21768E-EM
Test mode : Mode 1
Tester : Leon Guo
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak

	Freq Factor		Read Level		Limit	Over	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	1498.813	-14.09	52.90	38.81	80.00	-41.19	Peak
2	1687.125	-13.62	52.65	39.03	80.00	-40.97	Peak
3	2687.625	-10.08	52.75	42.67	80.00	-37.33	Peak

Test Mode 2

30 MHz~1 GHz

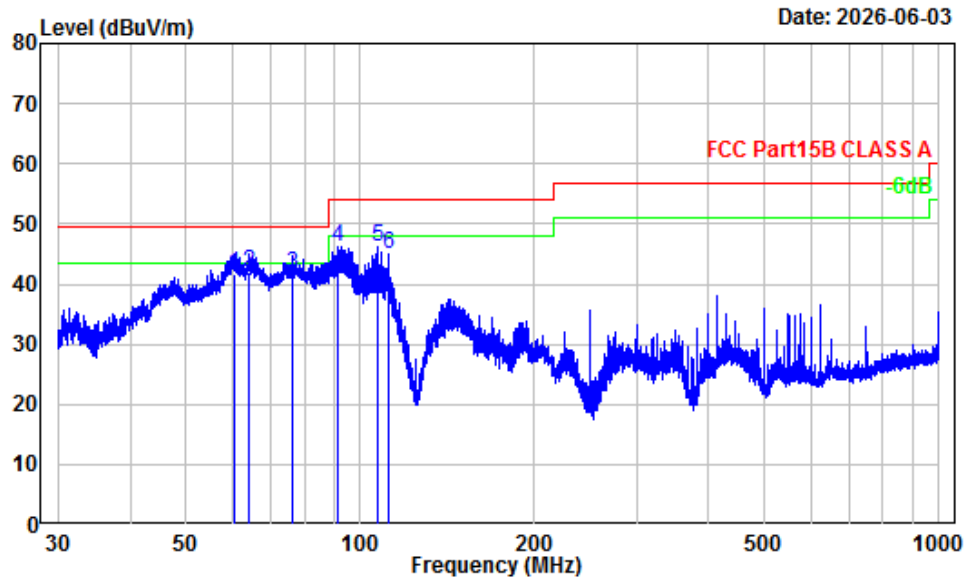
Horizontal



Site : Chamber A
Condition : 3m Horizontal
Project Number : 2601T21768E-EM
Test Mode : Mode2
Detector: Peak RBW/VBW: 120/500kHz
Tester : Alex Yan

	Freq Factor		Read	Limit	Over	Remark
	MHz	dB/m	Level	Level	Limit	
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB
1	87.42	-17.98	47.91	29.93	49.54	-19.61 Peak
2	106.76	-13.80	48.13	34.33	53.98	-19.65 Peak
3	147.53	-12.26	49.33	37.07	53.98	-16.91 Peak
4	398.51	-8.56	46.60	38.04	56.90	-18.86 Peak
5	429.71	-7.61	46.74	39.13	56.90	-17.77 Peak
6	500.08	-5.94	44.67	38.73	56.90	-18.17 Peak

Vertical

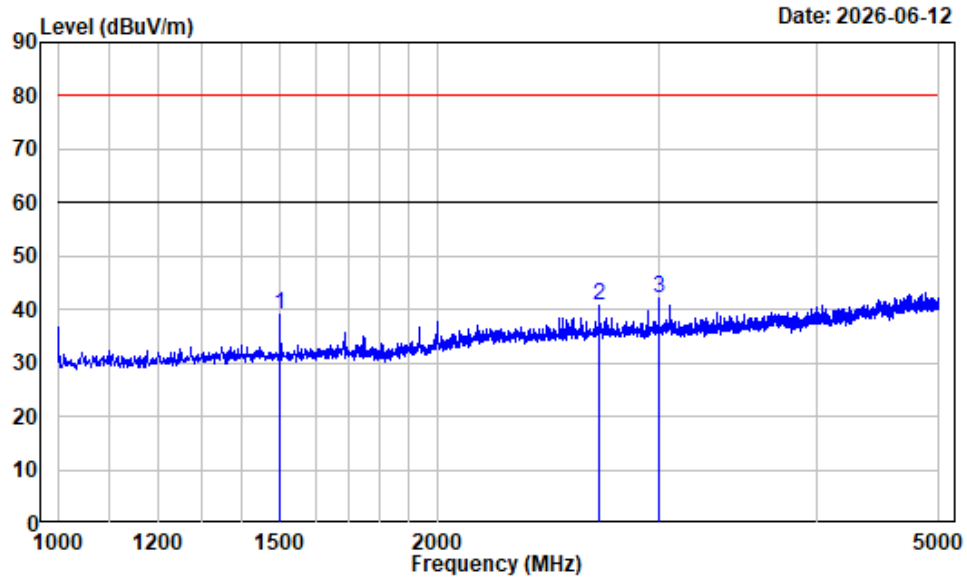


Site : Chamber A
 Condition : 3m Vertical
 Project Number : 2601T21768E-EM
 Test Mode : Mode2
 Detector: Peak RBW/VBW: 120/500kHz
 Detector: QP RBW/VBW : 120kHz
 Tester : Alex Yan

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	60.65	-17.98	59.77	41.79	49.54	-7.75	QP
2	64.29	-17.87	59.80	41.93	49.54	-7.61	QP
3	76.51	-17.75	59.31	41.56	49.54	-7.98	QP
4	91.53	-17.79	64.10	46.31	53.98	-7.67	Peak
5	107.32	-13.66	59.93	46.27	53.98	-7.71	Peak
6	111.59	-12.74	57.59	44.85	53.98	-9.13	Peak

1 ~ 5 GHz

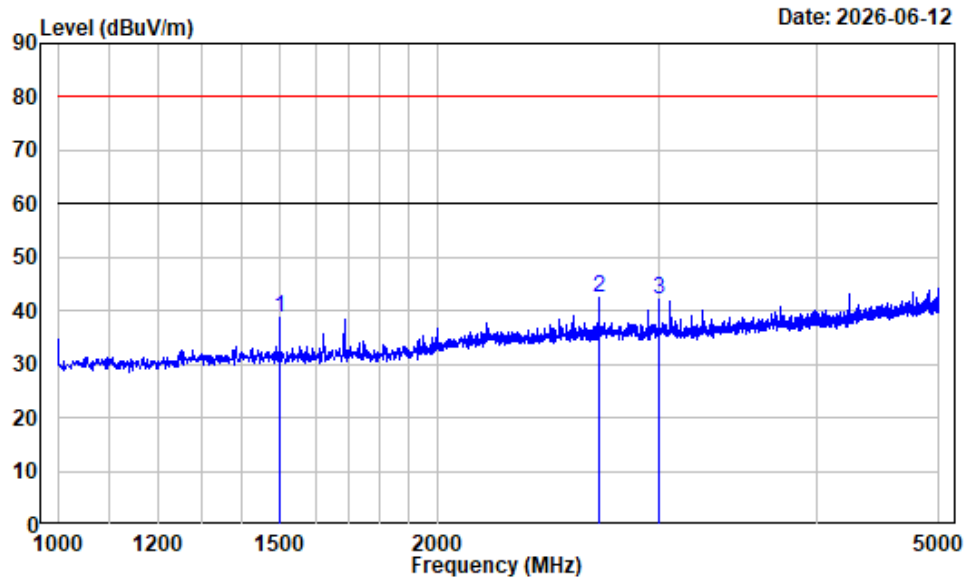
Horizontal



Site : chamber B
Condition : Horizontal
Project Number : 2601T21768E-EM
Test mode : Mode 2
Tester : Leon Guo
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak

	Freq Factor		Read		Limit	Over	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	1500.250	-14.10	53.20	39.10	80.00	-40.90	Peak
2	2687.625	-10.08	50.71	40.63	80.00	-39.37	Peak
3	2999.563	-9.42	51.47	42.05	80.00	-37.95	Peak

Vertical



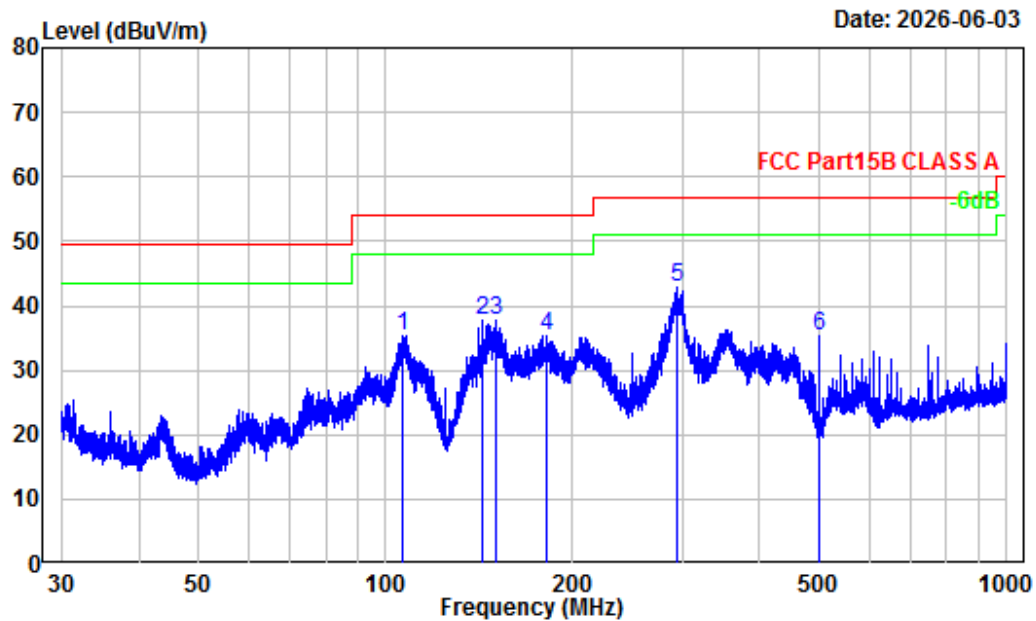
Site : chamber B
Condition : Vertical
Project Number : 2601T21768E-EM
Test mode : Mode 2
Tester : Leon Guo
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak

	Freq Factor		Read Level		Limit	Over	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	1500.250	-14.10	52.90	38.80	80.00	-41.20	Peak
2	2687.625	-10.08	52.39	42.31	80.00	-37.69	Peak
3	2999.563	-9.42	51.58	42.16	80.00	-37.84	Peak

Test Mode 3

30 MHz~1 GHz

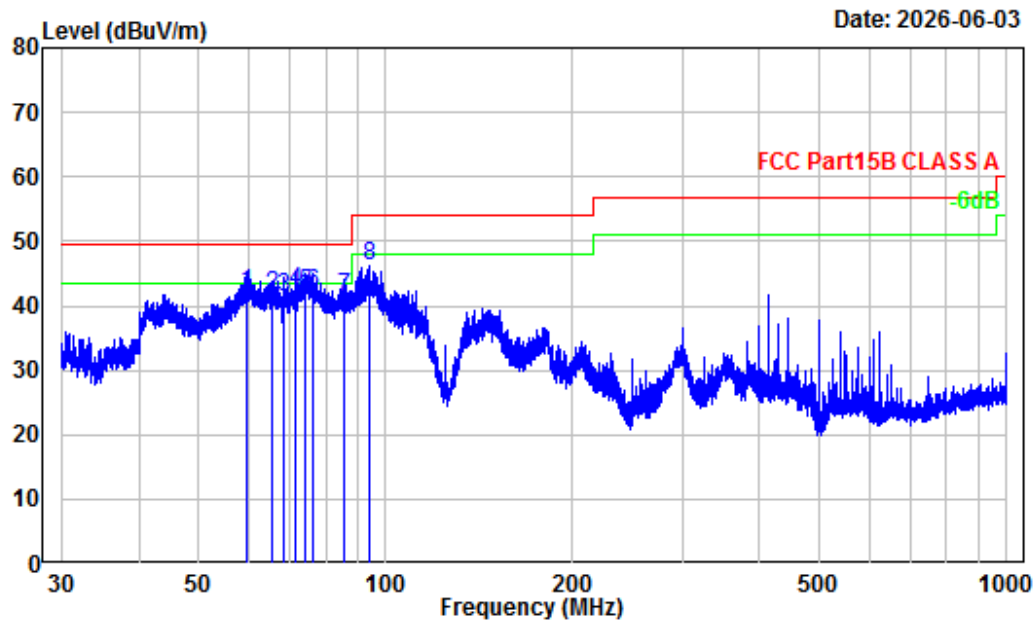
Horizontal



Site : Chamber A
Condition : 3m Horizontal
Project Number : 2601T21768E-EM
Test Mode : Mode3
Detector: Peak RBW/VBW: 120/500kHz
Tester : Alex Yan

	Freq	Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	106.76	-13.80	49.11	35.31	53.98	-18.67	Peak
2	143.20	-12.05	49.83	37.78	53.98	-16.20	Peak
3	150.87	-12.39	50.09	37.70	53.98	-16.28	Peak
4	181.76	-13.61	49.06	35.45	53.98	-18.53	Peak
5	294.50	-11.10	54.04	42.94	56.90	-13.96	Peak
6	500.08	-5.94	41.37	35.43	56.90	-21.47	Peak

Vertical

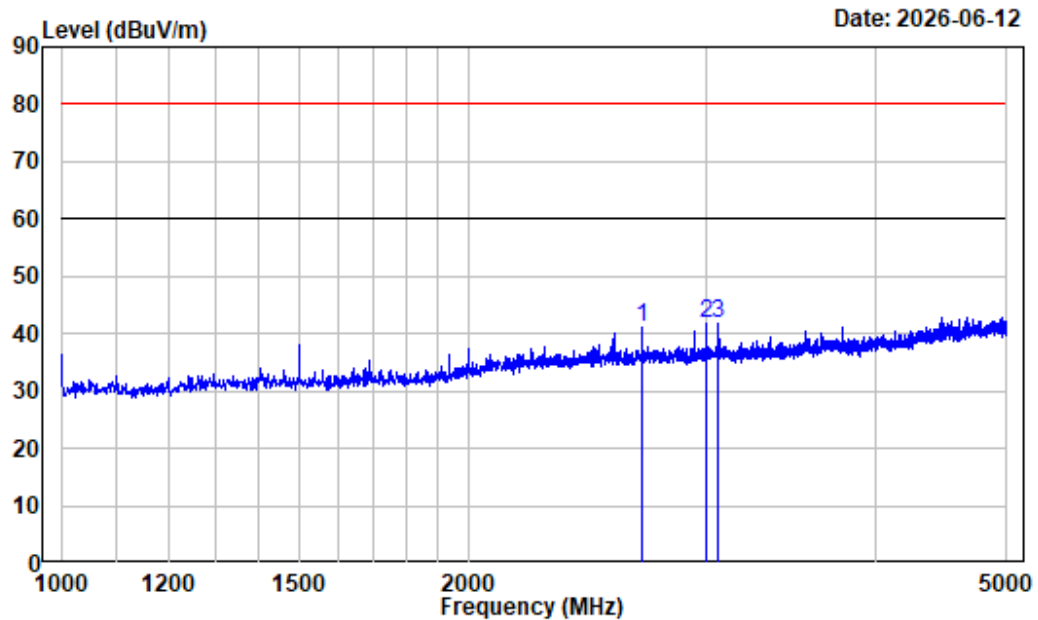


Site : Chamber A
 Condition : 3m Vertical
 Project Number : 2601T21768E-EM
 Test Mode : Mode3
 Detector: Peak RBW/VBW: 120/500kHz
 Detector: QP RBW/VBW : 120kHz
 Tester : Alex Yan

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	59.89	-17.99	59.86	41.87	49.54	-7.67	QP
2	65.49	-17.82	59.53	41.71	49.54	-7.83	QP
3	68.48	-17.77	59.01	41.24	49.54	-8.30	QP
4	71.55	-17.76	59.98	42.22	49.54	-7.32	QP
5	74.30	-17.76	59.83	42.07	49.54	-7.47	QP
6	76.21	-17.76	59.74	41.98	49.54	-7.56	QP
7	85.52	-18.00	59.32	41.32	49.54	-8.22	QP
8	94.35	-17.34	63.41	46.07	53.98	-7.91	Peak

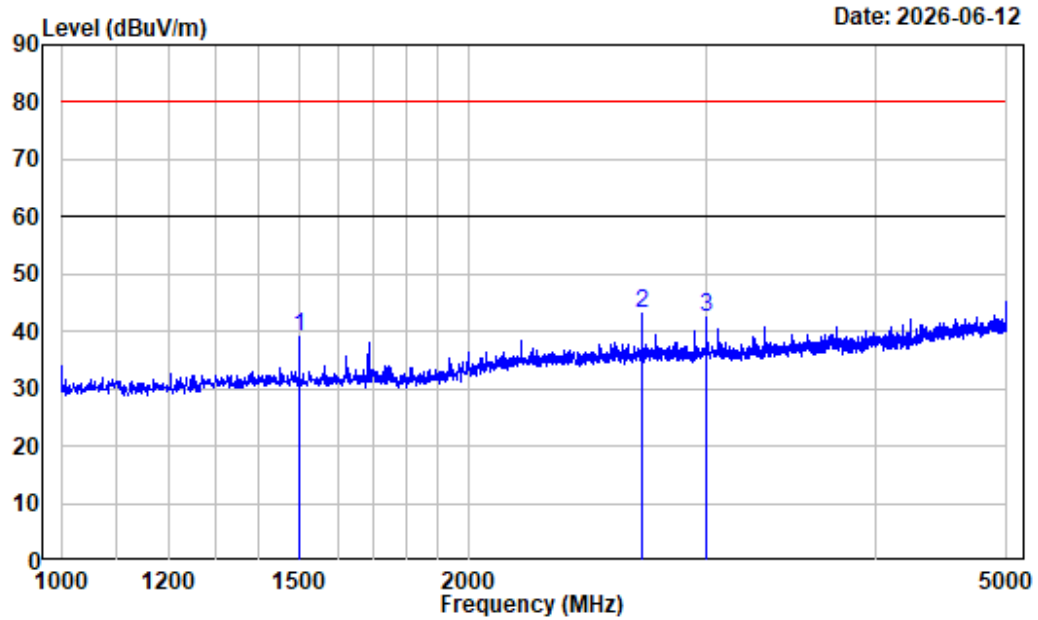
1 ~ 5 GHz

Horizontal



Site : chamber B
Condition : Horizontal
Project Number : 2601T21768E-EM
Test mode : Mode 3
Tester : Leon Guo
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak

	Freq	Factor	Read		Limit	Over	Remark
			Level	Level	Line	Limit	
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2687.625	-10.08	51.18	41.10	80.00	-38.90	Peak
2	2999.563	-9.42	51.13	41.71	80.00	-38.29	Peak
3	3062.813	-9.41	51.22	41.81	80.00	-38.19	Peak

Vertical

Site : chamber B
Condition : Vertical
Project Number : 2601T21768E-EM
Test mode : Mode 3
Tester : Leon Guo
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak

	Freq		Read		Limit	Over	Remark
	MHz	Factor	Level	Level	Line	Limit	
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	1498.813	-14.09	53.04	38.95	80.00	-41.05	Peak
2	2687.625	-10.08	53.07	42.99	80.00	-37.01	Peak
3	2999.563	-9.42	51.85	42.43	80.00	-37.57	Peak

EUT PHOTOGRAPHS

Please refer to the attachment 2601T21768E-EM-EXP External photo and 2601T21768E-EM-INP Internal photo.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2601T21768E-EM-TSP Test Setup photo.

******* END OF REPORT *******