TEST REPORT

Applicant Name:	Grandstream Networks, Inc.
Address:	126 Brookline Ave., 3rd Floor Boston, MA 02215, USA
Report Number:	2401Z25490E-EM-00
FCC ID:	YZZGWN7062ET

Test Standard (s)

FCC Part 15, Subpart B (Class B)

Sample Description

Product Type:	Wi-Fi 6 Router with FXS Ports
Model No.:	GWN7062ET
Multiple Model(s) No.:	N/A
Trade Mark:	GRANDSTREAM
Date Received:	2024/11/27
Issue Date:	2025/02/25

Test Result:	Pass▲

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

Prepared and Checked By:

Carl Lu

Carl Lu
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.
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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	2401Z25490E-EM-00	Original Report	2025/02/25

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Product	Wi-Fi 6 Router with FXS Ports
Tested Model	GWN7062ET
Multiple Model(s)	N/A
Voltage Range	DC 12V from adapter
Highest operating frequency#	5895MHz (Provided by the applicant)
Sample number	GWN7062ET: 2V3J-1 Adapter (GLH1201500): 2V3J-10 Adapter (DCT18W120150US-A0): 2V3J-2 Adapter (TS-A01-120150AN): 2V3J-6 (Assigned by BACL, Shenzhen)
Sample/EUT Status	Good condition
Adapter Information	Adapter 1 Model: DCT18W120150US-A0 Input: AC 100-240V, 50/60Hz, 0.7A, max. Output: DC 12.0V, 1.5A Adapter 2 Model: GLH1201500 Input: AC 100-240V, 50/60Hz, 0.5A Output: DC 12.0V, 1.5A, 18.0W Adapter 3 Model: TS-A018-120150AJ Input: AC 100-240V, 50/60Hz, 0.6A Output: DC 12.0V, 1.5A, 18.0W

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.

Measurement Uncertainty

Item	Frequency Range		Expanded Measurement uncertainty
Conducted Emissions	AC Mains	150 kHz ~30MHz	3.66dB(k=2, 95% level of confidence)
Radiated Disturbance	30MHz~200MHz	Horizontal	5.32dB(k=2, 95% level of confidence)
	30MHz~200MHz	Vertical	5.43dB(k=2, 95% level of confidence)
	200MHz~1000MHz	Horizontal	5.77dB(k=2, 95% level of confidence)
	200MHz~1000MHz	Vertical	5.73dB(k=2, 95% level of confidence)
	1GHz~6GHz	/	5.34dB(k=2, 95% level of confidence)
	6GHz~18GHz	/	5.40dB(k=2, 95% level of confidence)
	18GHz~40GHz	/	5.64dB(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, FCC 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: Communication +Data transmitting + Adapter (DCT18W120150US-A0)

Test Mode 2: Communication + Data transmitting + Adapter (TS-A018-120150AJ)

Test Mode 3: Communication +Data transmitting+ Adapter (GLH1201500)

EUT exercise software

No exercise software was used.

Equipment Modifications

No modification was made to the EUT tested.

Support Equipment List and Details

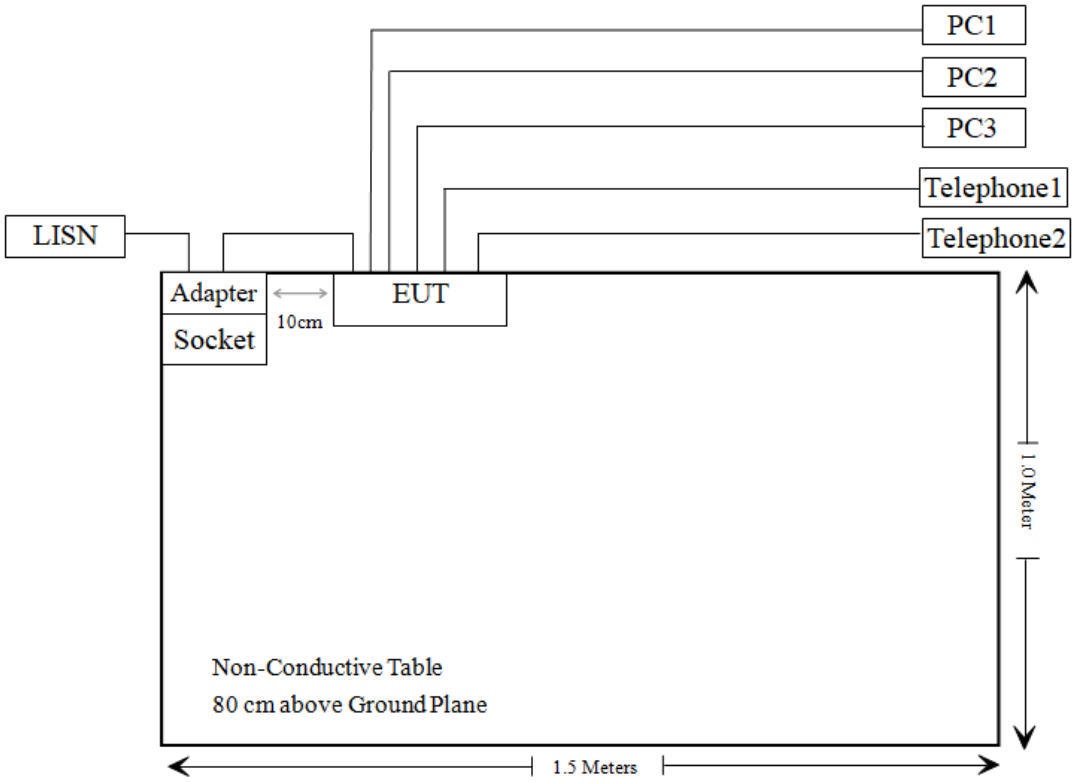
Manufacturer	Description	Model	Serial Number
BULL	Socket	GN-415K	5503290068073
DELL	PC1	Latitude E6520	DL0ZCS1
DELL	PC2	Latitude E5430	JG3NLV1
DELL	PC3	Latitude E5570	GNDLKC2
Kinhao	Telephone1	KT86AS	N/A
DAERXIN	Telephone2	RF-DP-200	N/A

External I/O Cable

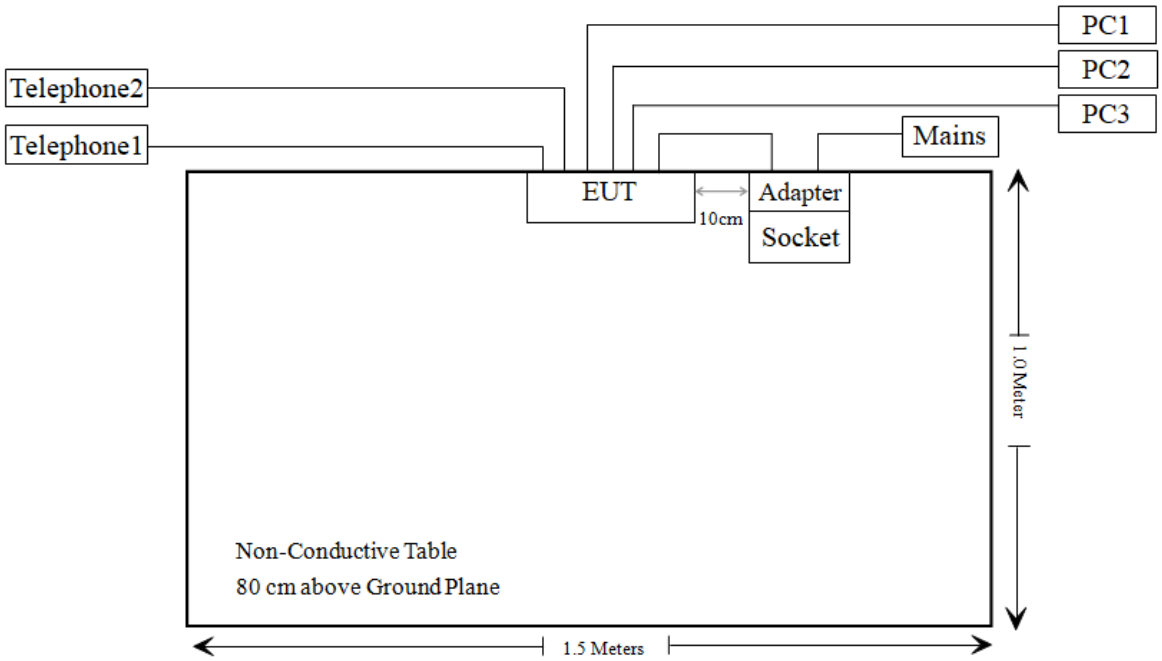
Cable Description	Length (m)	From/Port	To
Unshielded un-detachable AC cable	1.2	Socket	LISN/Mains
Unshielded un-detachable DC cable	1.2	EUT	Adapter
Unshielded detachable RJ45 cable	10.0	EUT	PC1
Unshielded detachable RJ45 cable	10.0	EUT	PC2
Unshielded detachable RJ45 cable	10.0	EUT	PC3
Unshielded detachable RJ11 cable	10.0	EUT	Telephone1
Unshielded detachable RJ11 cable	10.0	EUT	Telephone2

Block Diagram of Test Setup

For Conducted Emission:



For Radiated Emission:



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	2024/12/04	2025/12/03
Rohde & Schwarz	LISN	ENV216	101613	2024/12/04	2025/12/03
Rohde & Schwarz	Transient Limiter	ESH3Z2	DE25985	2024/05/21	2025/05/20
Unknown	CE Cable	Unknown	UF A210B-1-0720-504504	2024/05/21	2025/05/20
Audix	EMI Test software	E3	191218(V9)	NCR	NCR
Radiated Emission Test					
Rohde & Schwarz	EMI Test Receiver	ESR3	102455	2024/12/04	2025/12/03
Sonoma instrument	Pre-amplifier	310 N	186238	2024/05/21	2025/05/20
Sunol Sciences	Broadband Antenna	JB1	A040904-1	2023/07/20	2026/07/19
Unknown	Cable	Chamber A Cable 1	N/A	2024/06/18	2025/06/17
Unknown	Cable	XH500C	J-10M-A	2024/06/18	2025/06/17
Audix	EMI Test software	E3	19821b(V9)	NCR	NCR
Rohde & Schwarz	Spectrum Analyzer	FSV40	101605	2024/03/27	2025/03/26
A.H.System	Preamplifier	PAM-0118P	489	2024/11/15	2025/11/14
Schwarzbeck	Horn Antenna	BBHA9120D(1201)	1143	2023/07/26	2026/07/25
Unknown	RF Cable	KMSE	735	2024/12/06	2025/12/05
Unknown	RF Cable	UFA147	219661	2024/12/06	2025/12/05
JD	Filter Switch Unit	DT7220FSU	DS79906	2024/09/09	2025/09/08
SNSD	2.4G Band Reject filter	BSF2402-2480MN-0898-001	2.4G filter	2024/06/27	2025/06/26
Audix	EMI Test software	E3	191218(V9)	NCR	NCR
A.H.System	Pre-amplifier	PAM-1840VH	190	2024/06/18	2025/06/17
UTIFLEX	RF Cable	NO. 13	232308-001	2024/12/18	2025/12/17
Electro-Mechanics Co	Horn Antenna	3116	9510-2270	2023/09/18	2026/09/17

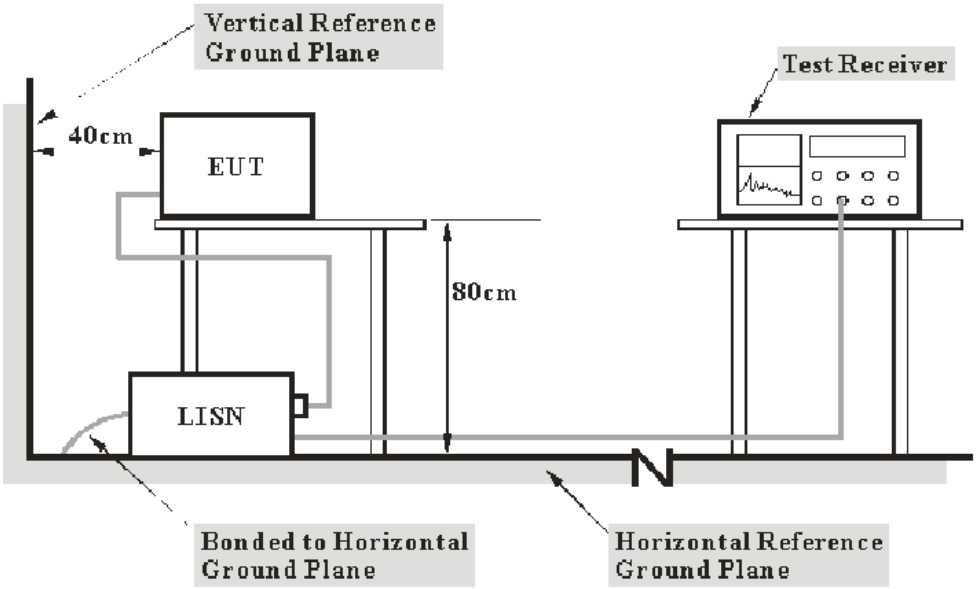
*** Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

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	IF B/W
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:

Level (dBuV) =Read Level (dBuV) +LISN Factor +Cable Loss

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

Over Limit (dB) =Level (dBuV) -Limit Line (dBuV)

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

Test Data

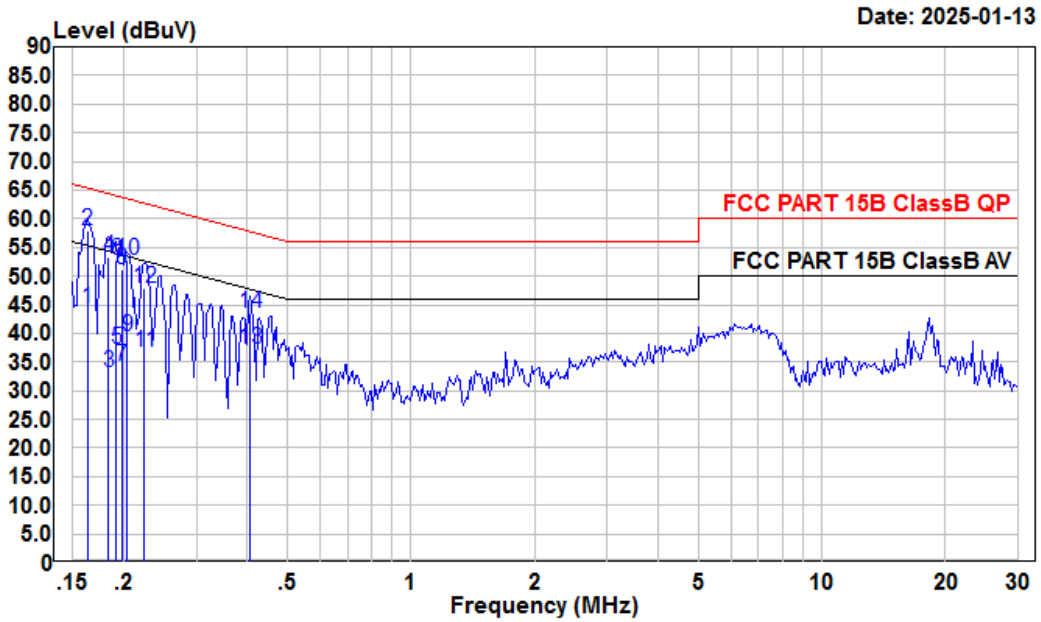
Environmental Conditions

Temperature:	24.4~24.9 ℃
Relative Humidity:	30~38 %
ATM Pressure:	101.5~101.6 kPa

The testing was performed by Macy Shi on 2024-12-28 and 2025-01-13.

Test Mode 1

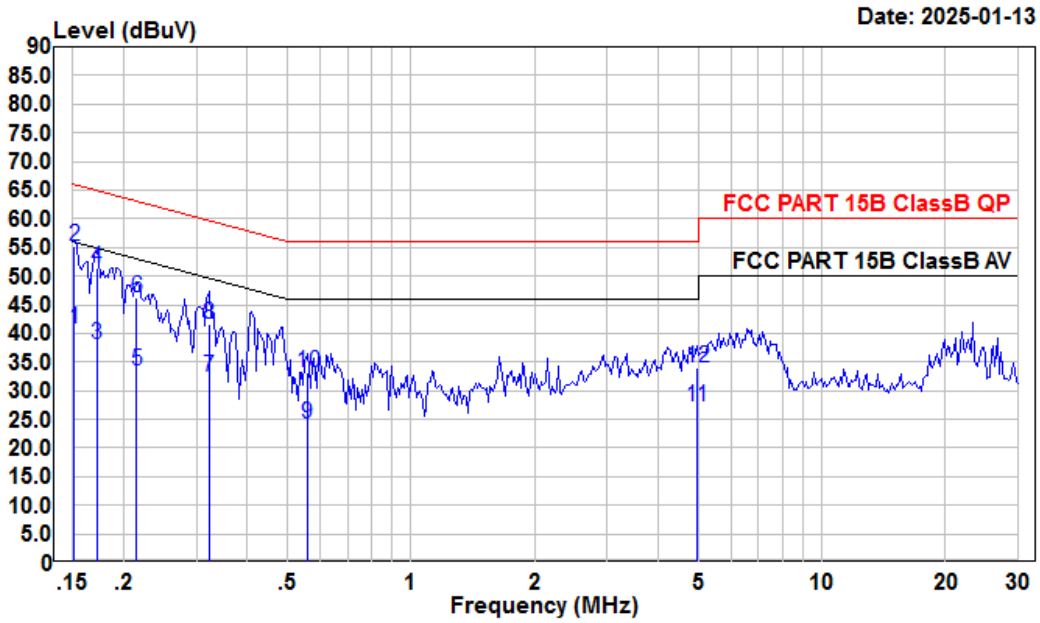
AC 120V/60 Hz, Line



Condition: Line
Project : 2401Z25490E-EM
test Mode: Mode1
tester : Macy.shi
Setting : RBW:9kHz VBW:Auto SWT:Auto

	Freq	Read Level	Level	LISN Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.163	23.73	44.33	10.49	10.11	55.30	-10.97	Average
2	0.163	37.40	58.00	10.49	10.11	65.30	-7.30	QP
3	0.183	12.50	33.21	10.61	10.10	54.33	-21.12	Average
4	0.183	32.50	53.21	10.61	10.10	64.33	-11.12	QP
5	0.191	16.41	37.15	10.65	10.09	53.98	-16.83	Average
6	0.191	31.91	52.65	10.65	10.09	63.98	-11.33	QP
7	0.198	13.40	34.18	10.69	10.09	53.71	-19.53	Average
8	0.198	30.30	51.08	10.69	10.09	63.71	-12.63	QP
9	0.204	18.58	39.37	10.70	10.09	53.45	-14.08	Average
10	0.204	31.95	52.74	10.70	10.09	63.45	-10.71	QP
11	0.224	15.90	36.66	10.67	10.09	52.66	-16.00	Average
12	0.224	27.10	47.86	10.67	10.09	62.66	-14.80	QP
13	0.406	16.71	37.36	10.55	10.10	47.73	-10.37	Average
14	0.406	22.98	43.63	10.55	10.10	57.73	-14.10	QP

AC 120V/60 Hz, Neutral

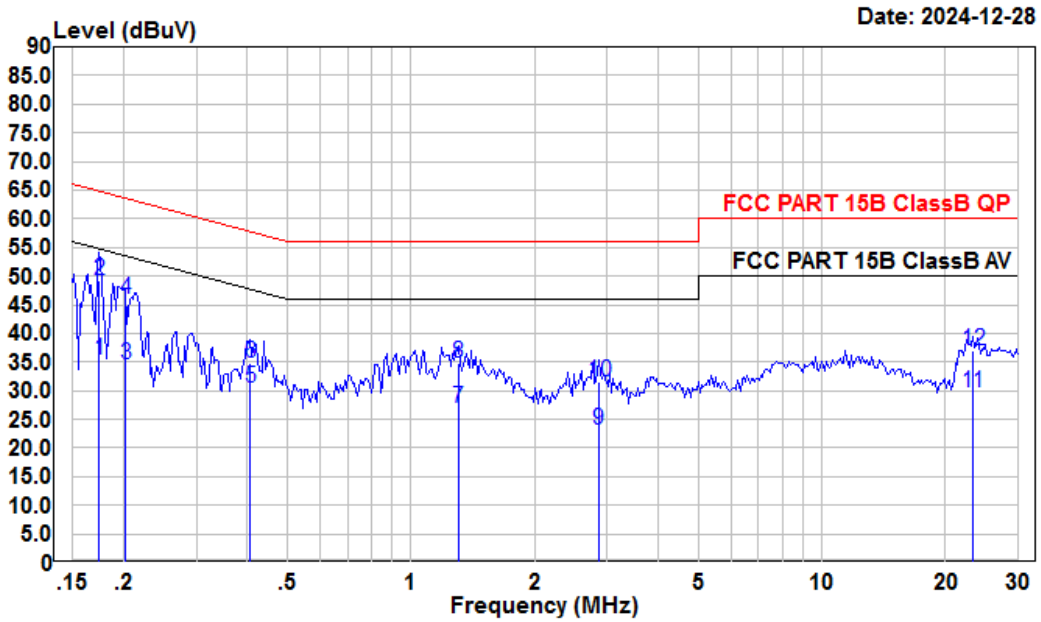


Condition: Neutral
Project : 2401Z25490E-EM
test Mode: Mode1
tester : Macy.shi
Setting : RBW:9kHz VBW:Auto SWT:Auto

	Freq	Read Level	LISN Level	Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.152	20.28	40.82	10.41	10.13	55.91	-15.09	Average
2	0.152	34.70	55.24	10.41	10.13	65.91	-10.67	QP
3	0.172	17.30	37.99	10.59	10.10	54.86	-16.87	Average
4	0.172	30.80	51.49	10.59	10.10	64.86	-13.37	QP
5	0.215	12.60	33.47	10.78	10.09	53.01	-19.54	Average
6	0.215	25.23	46.10	10.78	10.09	63.01	-16.91	QP
7	0.322	11.62	32.37	10.64	10.11	49.66	-17.29	Average
8	0.322	20.98	41.73	10.64	10.11	59.66	-17.93	QP
9	0.558	3.64	24.30	10.53	10.13	46.00	-21.70	Average
10	0.558	12.46	33.12	10.53	10.13	56.00	-22.88	QP
11	4.952	6.21	27.24	10.85	10.18	46.00	-18.76	Average
12	4.952	12.98	34.01	10.85	10.18	56.00	-21.99	QP

Test Mode 2

AC 120V/60 Hz, Line

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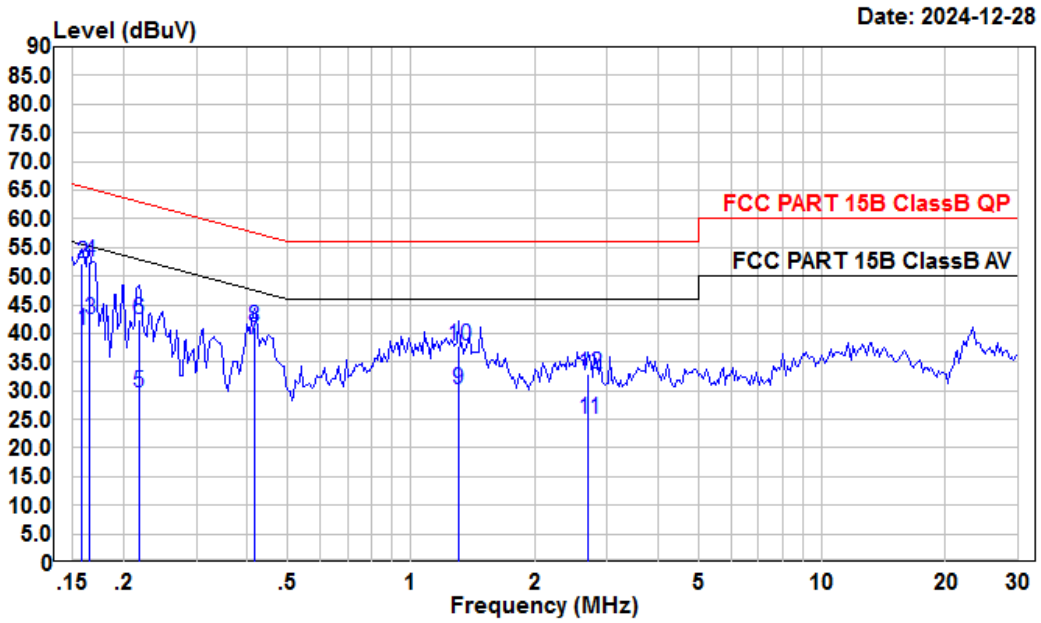
Condition: Line
Project  : 2401Z25490E-EM
test Mode: Mode2
tester   : Macy.shi
Setting  : RBW:9kHz  VBW:Auto  SWT:Auto
```

	Freq	Read Level	Level	LISN Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.174	14.54	35.49	10.85	10.10	54.77	-19.28	Average
2	0.174	28.15	49.10	10.85	10.10	64.77	-15.67	QP
3	0.202	13.75	34.64	10.80	10.09	53.54	-18.90	Average
4	0.202	24.98	45.87	10.80	10.09	63.54	-17.67	QP
5	0.406	9.78	30.45	10.57	10.10	47.73	-17.28	Average
6	0.406	14.23	34.90	10.57	10.10	57.73	-22.83	QP
7	1.303	6.26	26.89	10.48	10.15	46.00	-19.11	Average
8	1.303	14.18	34.81	10.48	10.15	56.00	-21.19	QP
9	2.854	2.46	23.09	10.45	10.18	46.00	-22.91	Average
10	2.854	10.97	31.60	10.45	10.18	56.00	-24.40	QP
11	23.263	8.85	29.78	10.75	10.18	50.00	-20.22	Average
12	23.263	16.01	36.94	10.75	10.18	60.00	-23.06	QP

AC 120V/60 Hz, Neutral

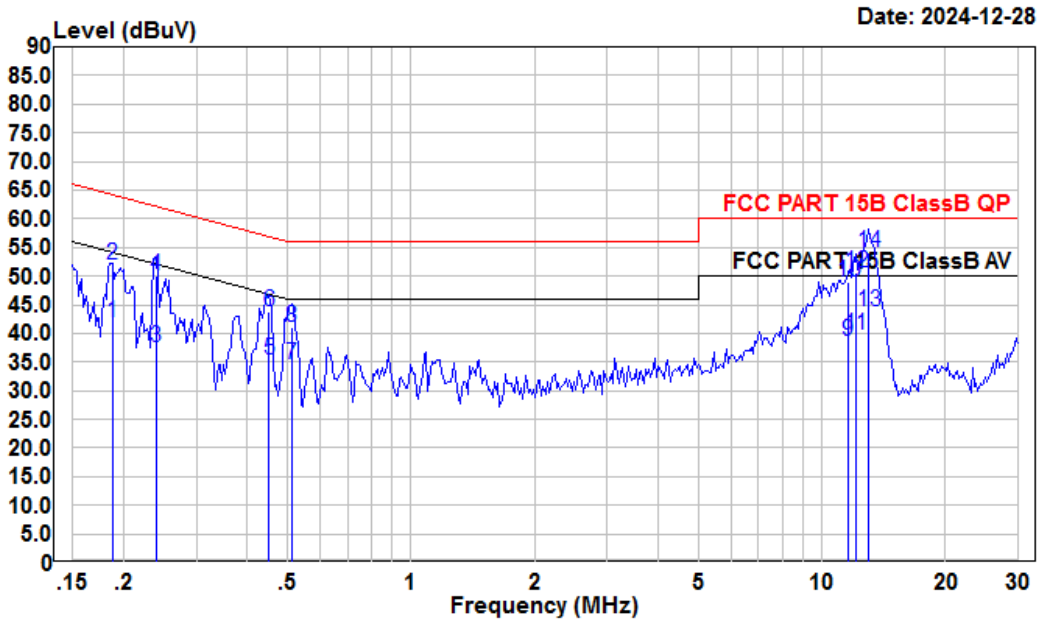


Condition: Neutral
Project : 2401Z25490E-EM
test Mode: Mode2
tester : Macy.shi
Setting : RBW:9kHz VBW:Auto SWT:Auto

	Freq	Read Level	LISN Level	Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.158	19.85	40.53	10.56	10.12	55.56	-15.03	Average
2	0.158	31.49	52.17	10.56	10.12	65.56	-13.39	QP
3	0.165	21.90	42.54	10.53	10.11	55.21	-12.67	Average
4	0.165	31.90	52.54	10.53	10.11	65.21	-12.67	QP
5	0.217	9.26	29.78	10.43	10.09	52.92	-23.14	Average
6	0.217	21.84	42.36	10.43	10.09	62.92	-20.56	QP
7	0.415	18.15	38.90	10.64	10.11	47.55	-8.65	Average
8	0.415	20.36	41.11	10.64	10.11	57.55	-16.44	QP
9	1.303	9.24	30.10	10.71	10.15	46.00	-15.90	Average
10	1.303	17.02	37.88	10.71	10.15	56.00	-18.12	QP
11	2.707	4.54	25.11	10.40	10.17	46.00	-20.89	Average
12	2.707	12.32	32.89	10.40	10.17	56.00	-23.11	QP

Test Mode 3

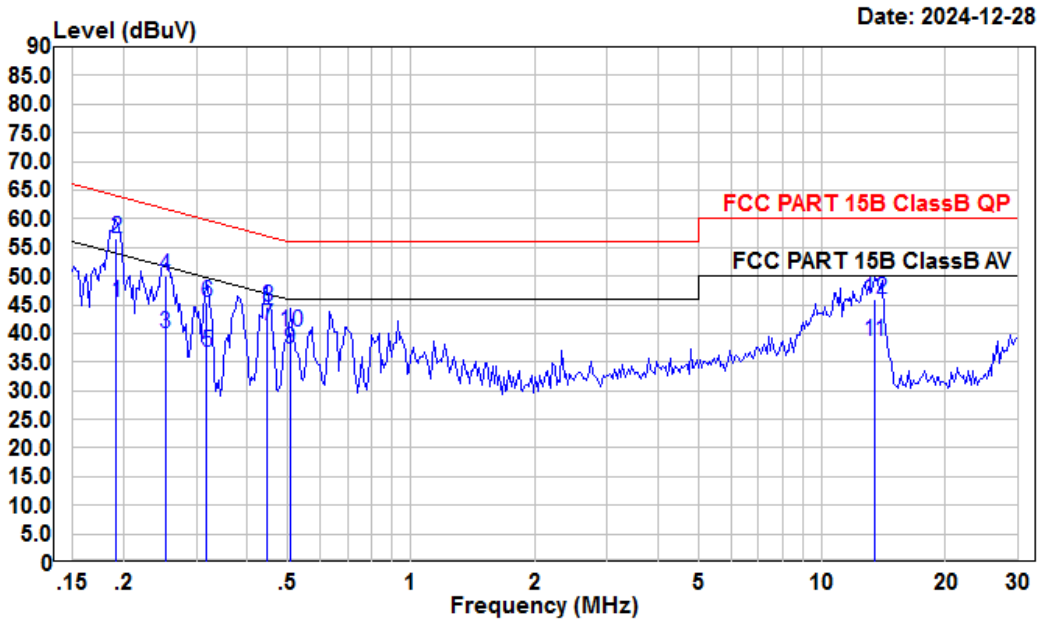
AC 120V/60 Hz, Line




```
Condition: Line
Project  : 2401Z25490E-EM
test Mode: Mode3
tester   : Macy.shi
Setting  : RBW:9kHz  VBW:Auto  SWT:Auto
```

	Freq	Read Level	Level	LISN Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.187	20.91	41.82	10.82	10.09	54.15	-12.33	Average
2	0.187	31.17	52.08	10.82	10.09	64.15	-12.07	QP
3	0.239	16.71	37.53	10.74	10.08	52.13	-14.60	Average
4	0.239	29.24	50.06	10.74	10.08	62.13	-12.07	QP
5	0.452	14.67	35.32	10.53	10.12	46.85	-11.53	Average
6	0.452	23.09	43.74	10.53	10.12	56.85	-13.11	QP
7	0.513	13.92	34.56	10.50	10.14	46.00	-11.44	Average
8	0.513	20.31	40.95	10.50	10.14	56.00	-15.05	QP
9	11.559	17.70	38.51	10.60	10.21	50.00	-11.49	Average
10	11.559	28.10	48.91	10.60	10.21	60.00	-11.09	QP
11	12.060	18.90	39.71	10.60	10.21	50.00	-10.29	Average
12	12.060	29.70	50.51	10.60	10.21	60.00	-9.49	QP
13	12.988	22.88	43.70	10.60	10.22	50.00	-6.30	Average
14	12.988	33.19	54.01	10.60	10.22	60.00	-5.99	QP

AC 120V/60 Hz, Neutral



Condition: Neutral
Project : 2401Z25490E-EM
test Mode: Mode3
tester : Macy.shi
Setting : RBW:9kHz VBW:Auto SWT:Auto

	Freq	Read Level	LISN Level	Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.191	24.96	45.48	10.43	10.09	53.98	-8.50	Average
2	0.191	36.08	56.60	10.43	10.09	63.98	-7.38	QP
3	0.252	19.34	39.90	10.48	10.08	51.69	-11.79	Average
4	0.252	29.53	50.09	10.48	10.08	61.69	-11.60	QP
5	0.318	15.98	36.64	10.55	10.11	49.75	-13.11	Average
6	0.318	24.63	45.29	10.55	10.11	59.75	-14.46	QP
7	0.447	20.60	41.38	10.66	10.12	46.93	-5.55	Average
8	0.447	23.90	44.68	10.66	10.12	56.93	-12.25	QP
9	0.507	16.52	37.36	10.70	10.14	46.00	-8.64	Average
10	0.507	19.32	40.16	10.70	10.14	56.00	-15.84	QP
11	13.408	17.68	38.70	10.80	10.22	50.00	-11.30	Average
12	13.408	24.93	45.95	10.80	10.22	60.00	-14.05	QP

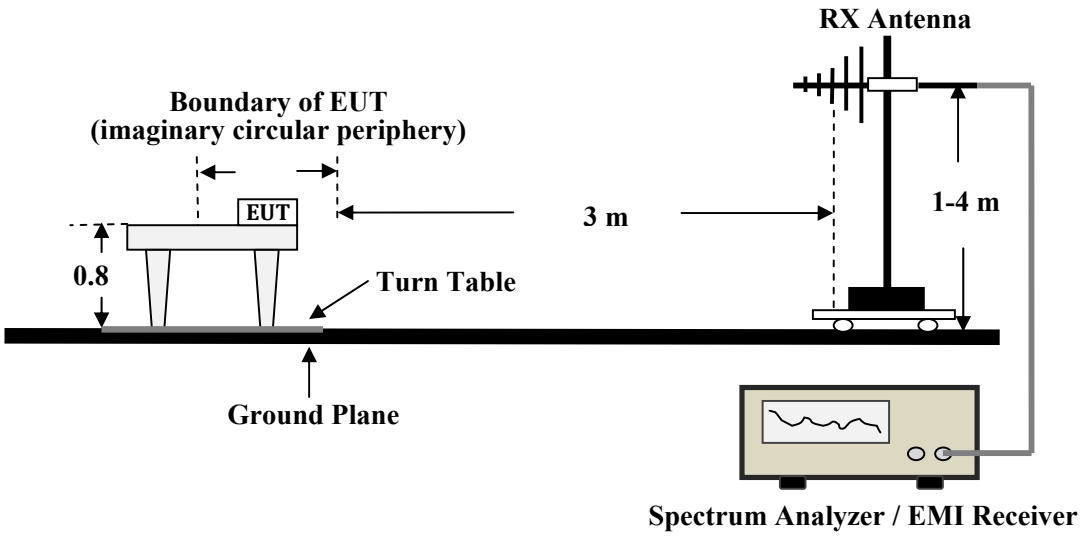
FCC §15.109 - RADIATED EMISSIONS

Applicable Standard

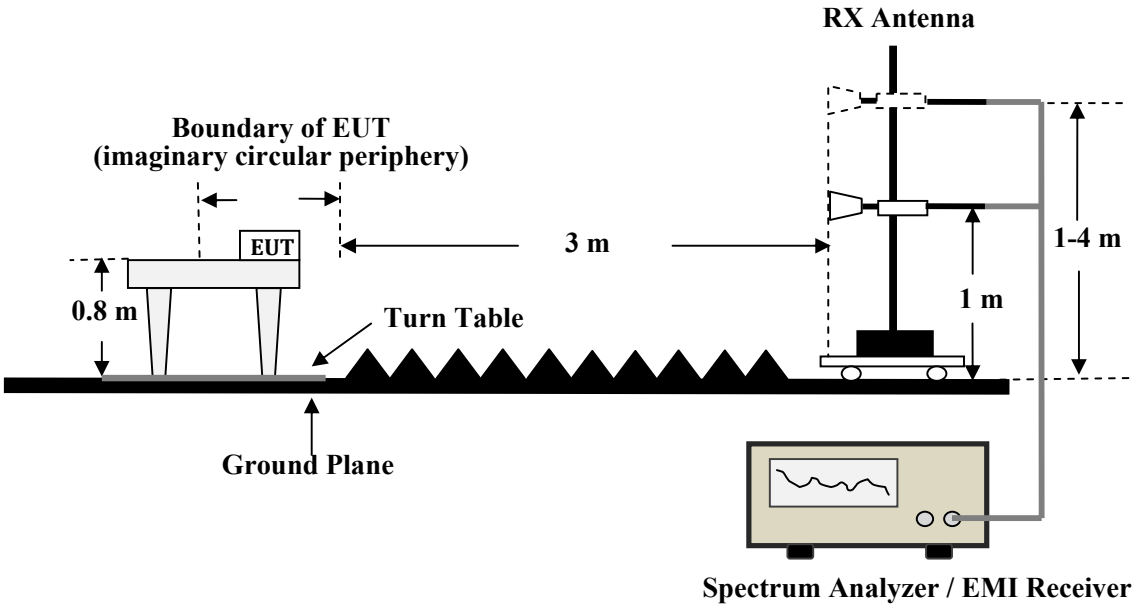
FCC §15.109

EUT Setup

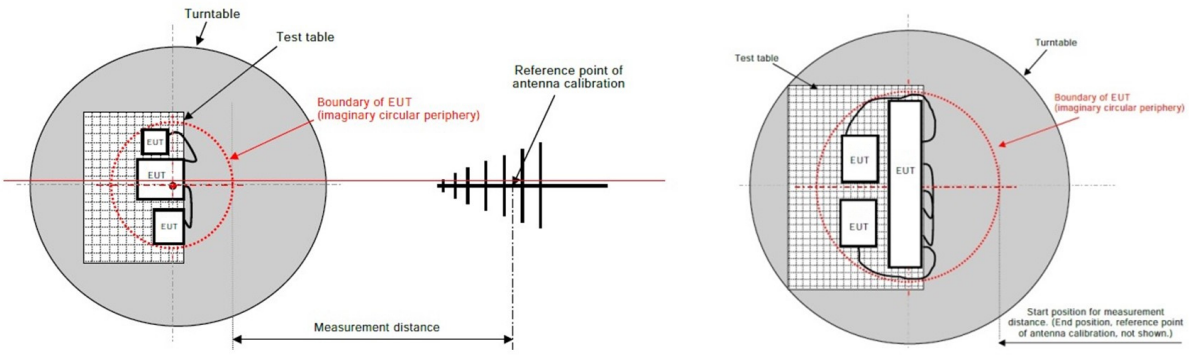
Below 1GHz for Radiated Emissions



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	100 kHz	300 kHz	120 kHz	QP
Above 1 GHz	1MHz	3 MHz	/	PK
	1MHz	1 KHz	/	Ave.

Test Procedure

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

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:

Factor = Antenna Factor + Cable Loss - Amplifier Gain

Level = Read Level + 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 B. The equation for Over Limit calculation is as follows:

Over limit = Level– Limit

Test Data

Environmental Conditions

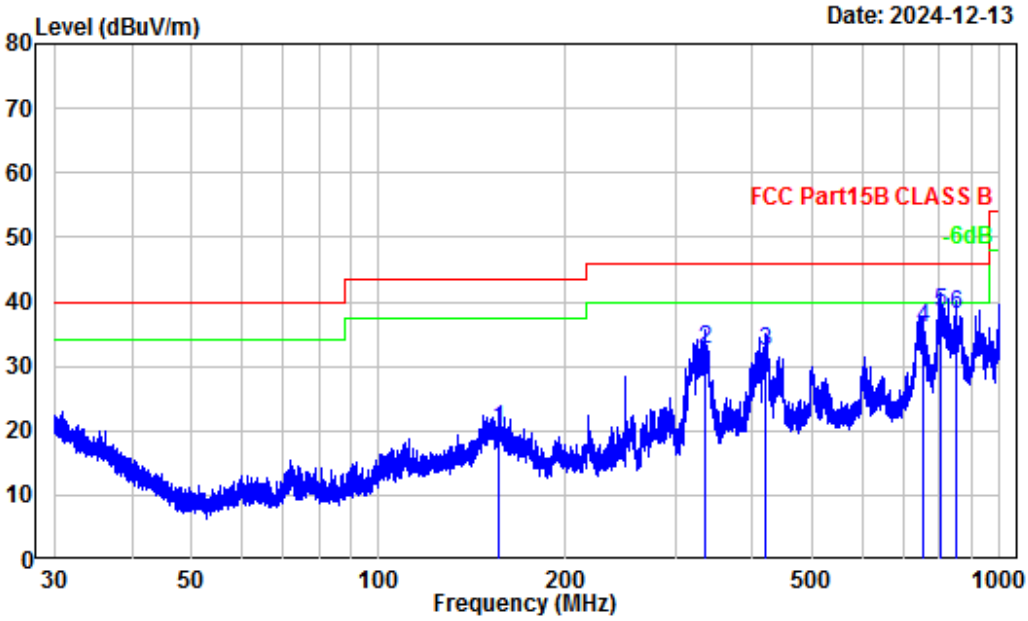
Temperature:	23.2~24.9 ℃
Relative Humidity:	48 %
ATM Pressure:	101.1~101.2 kPa

The testing was performed by Jack Liu on 2024-12-13 for below 1GHz and Dylan Yang on 2024-12-26 for above 1GHz.

Test Mode 1

30 MHz~1 GHz

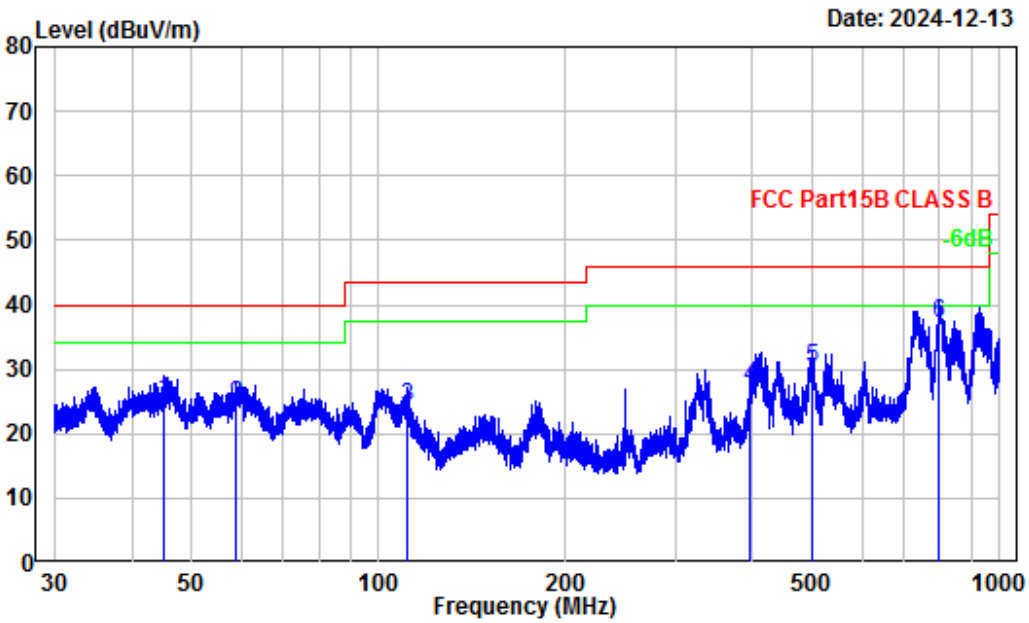
Horizontal



Site : Chamber A
Condition : 3m Horizontal
Project Number : 2401Z25490E-EM
Test Mode : Mode1
Detector: Peak RBW/VBW: 100/300kHz
Tester : Jack Liu

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	156.25	-12.64	32.78	20.14	43.50	-23.36	QP
2	335.15	-10.53	43.20	32.67	46.00	-13.33	QP
3	420.58	-7.94	40.22	32.28	46.00	-13.72	QP
4	751.10	-2.86	38.73	35.87	46.00	-10.13	QP
5	801.08	-2.14	40.33	38.19	46.00	-7.81	QP
6	851.78	-1.72	39.86	38.14	46.00	-7.86	QP

Vertical

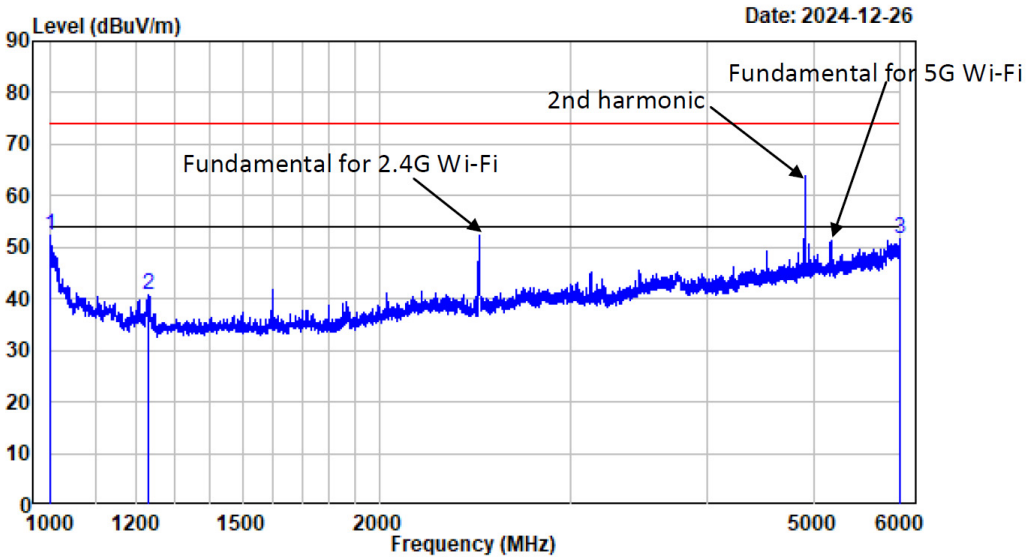


Site : Chamber A
Condition : 3m Vertical
Project Number : 2401Z25490E-EM
Test Mode : Mode1
Detector: Peak RBW/VBW: 100/300kHz
Tester : Jack Liu

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	45.08	-15.93	40.98	25.05	40.00	-14.95	QP
2	58.77	-18.22	42.80	24.58	40.00	-15.42	QP
3	110.76	-12.93	37.06	24.13	43.50	-19.37	QP
4	395.37	-8.63	35.73	27.10	46.00	-18.90	QP
5	500.08	-5.76	35.92	30.16	46.00	-15.84	QP
6	800.03	-2.14	39.39	37.25	46.00	-8.75	QP

1 ~ 6 GHz

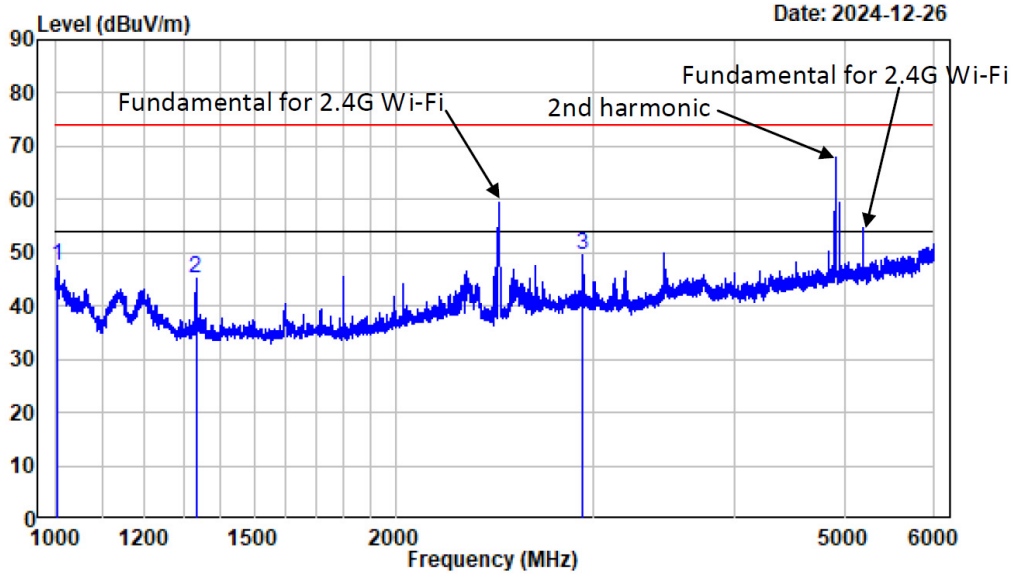
Horizontal




```
Site             : chamber B
Condition        : Horizontal
Project Number   : 2401Z25490E-EM
Test mode        : Mode1
Tester           : Dylan Yang
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak
```

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	1001.875	-15.53	67.96	52.43	74.00	-21.57	Peak
2	1228.779	-14.81	55.55	40.74	74.00	-33.26	Peak
3	5996.250	-4.43	55.92	51.49	74.00	-22.51	Peak

Vertical

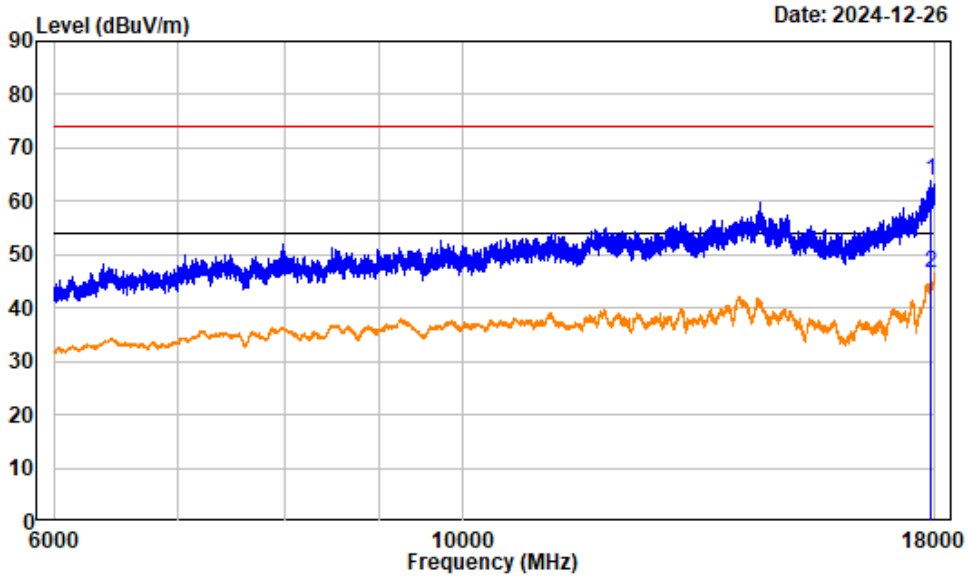


Site : chamber B
Condition : Vertical
Project Number : 2401Z25490E-EM
Test mode : Mode1
Tester : Dylan Yang
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	1004.376	-15.52	62.95	47.43	74.00	-26.57	Peak
2	1332.542	-14.33	59.54	45.21	74.00	-28.79	Peak
3	2930.241	-10.57	60.13	49.56	74.00	-24.44	Peak

6 ~ 18 GHz

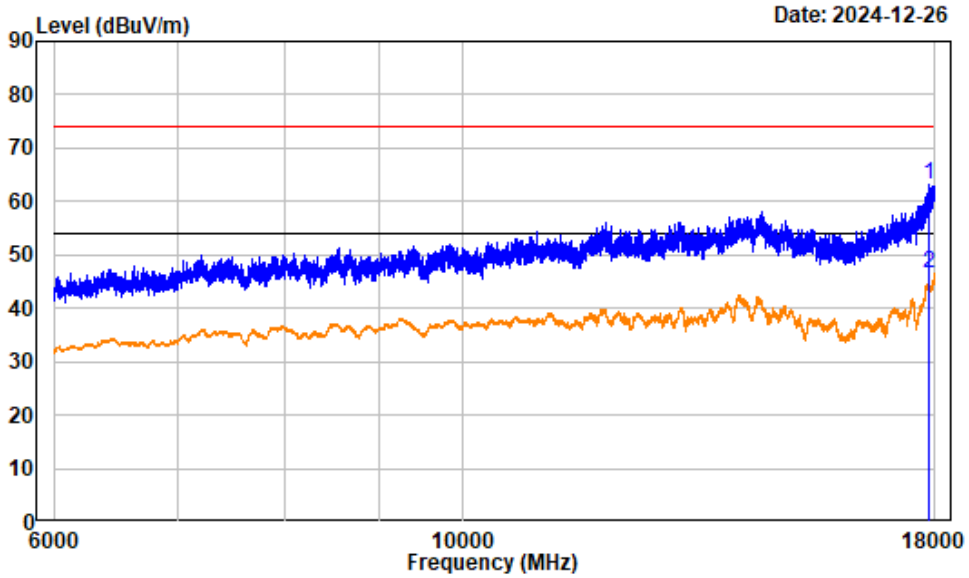
Horizontal




```
Site             : chamber B
Condition        : Horizontal
Project Number   : 2401Z25490E-EM
Test mode        : Mode 1
Tester           : Dylan Yang
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak
                 : Average reading: RBW:1MHz VBW:1kHz Detector:Peak
```

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	17909.990	12.76	50.94	63.70	74.00	-10.30	Peak
2	17909.990	12.76	33.63	46.39	54.00	-7.61	Average

Vertical

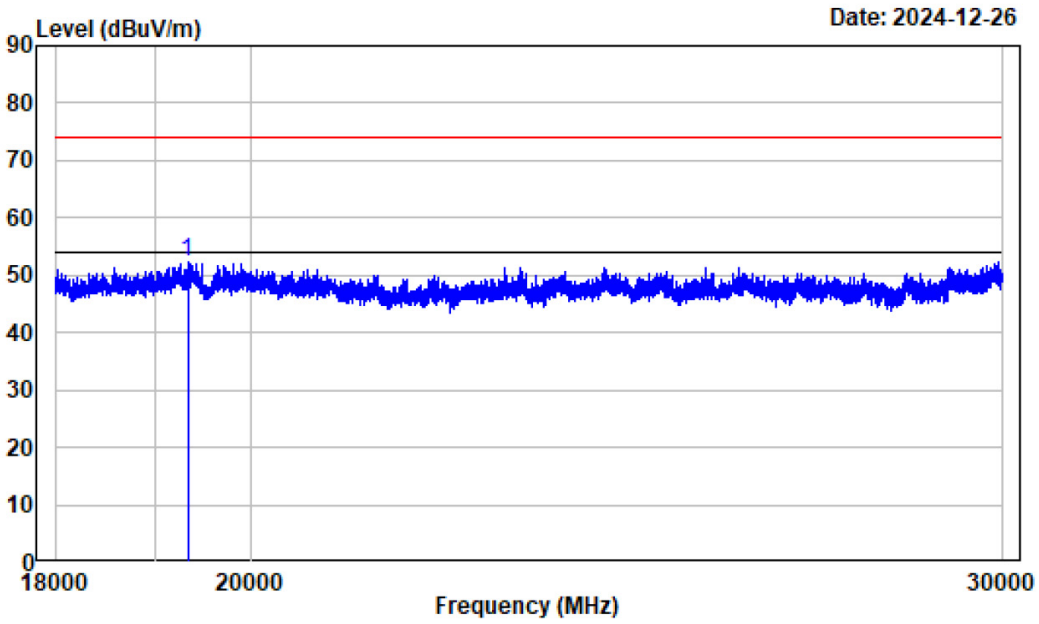



```
Site             : chamber B
Condition        : Vertical
Project Number   : 2401Z25490E-EM
Test mode        : Mode 1
Tester           : Dylan Yang
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak
                 : Average reading: RBW:1MHz VBW:1kHz Detector:Peak
```

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	17884.490	12.42	50.59	63.01	74.00	-10.99	Peak
2	17884.490	12.42	34.17	46.59	54.00	-7.41	Average

18 ~30 GHz

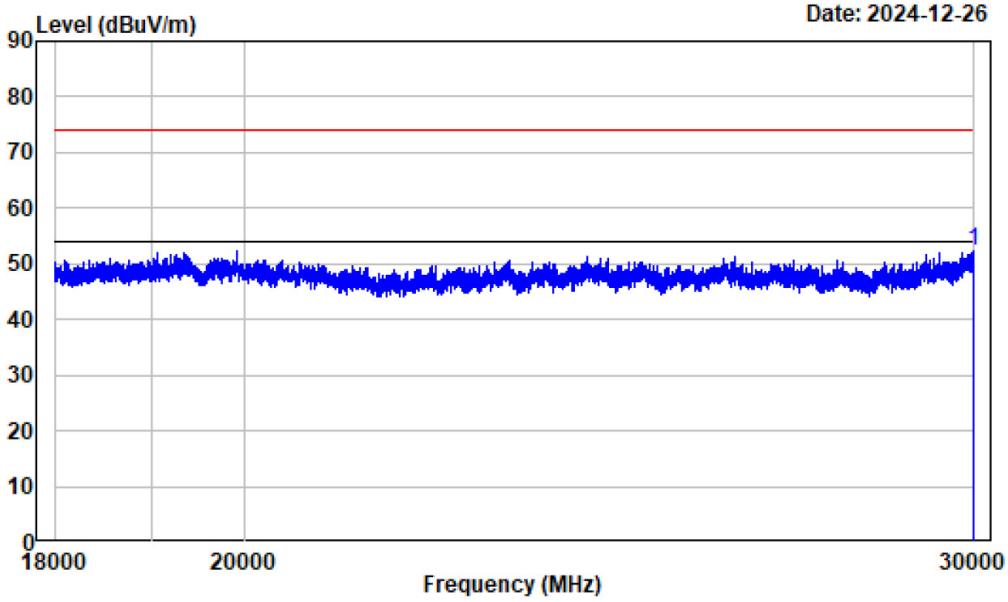
Horizontal




```
Site             : chamber B
Condition        : Horizontal
Project Number   : 2401Z25490E-EM
Test mode        : Mode 1
Tester           : Dylan Yang
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak
```

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	19330.670	15.17	37.23	52.40	74.00	-21.60	Peak

Vertical



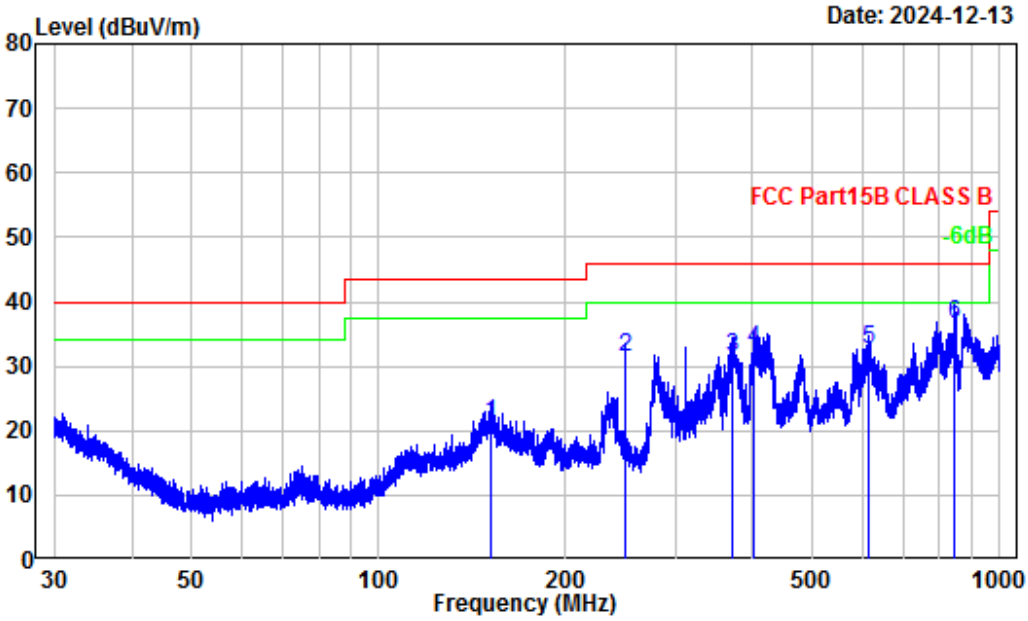
Site : chamber B
Condition : Vertical
Project Number : 2401Z25490E-EM
Test mode : Mode 1
Tester : Dylan Yang
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	29995.500	18.44	33.98	52.42	74.00	-21.58	Peak

Test Mode 2

30 MHz~1 GHz

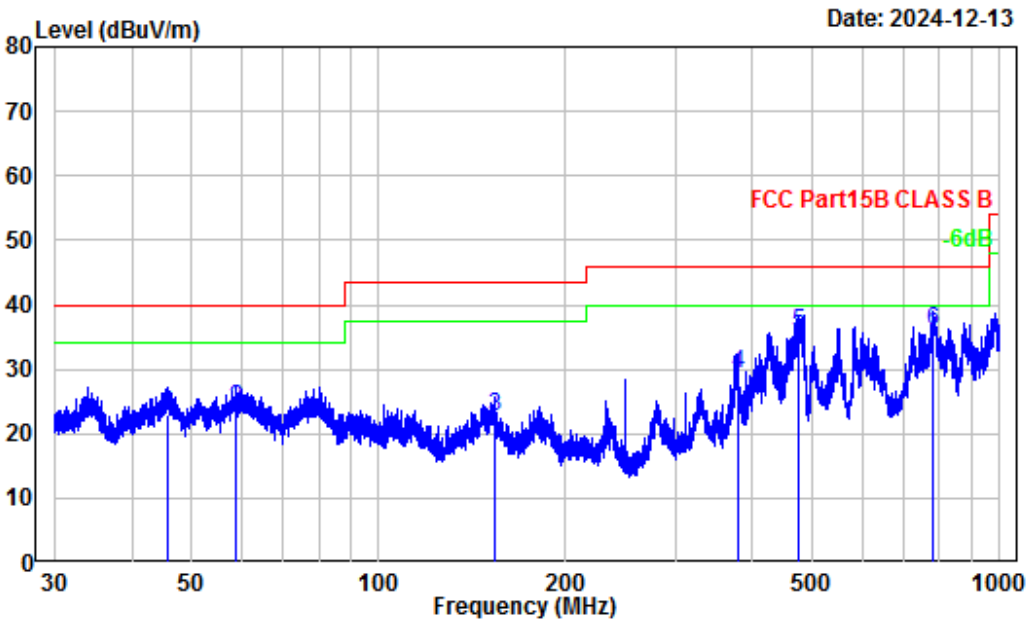
Horizontal



Site : Chamber A
Condition : 3m Horizontal
Project Number : 2401Z25490E-EM
Test Mode : Mode2
Detector: Peak RBW/VBW: 100/300kHz
Tester : Jack Liu

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	151.07	-12.47	33.60	21.13	43.50	-22.37	QP
2	249.97	-13.09	44.63	31.54	46.00	-14.46	QP
3	371.68	-9.44	40.92	31.48	46.00	-14.52	QP
4	402.37	-8.33	40.79	32.46	46.00	-13.54	QP
5	616.64	-4.94	37.54	32.60	46.00	-13.40	QP
6	845.09	-1.73	38.23	36.50	46.00	-9.50	QP

Vertical

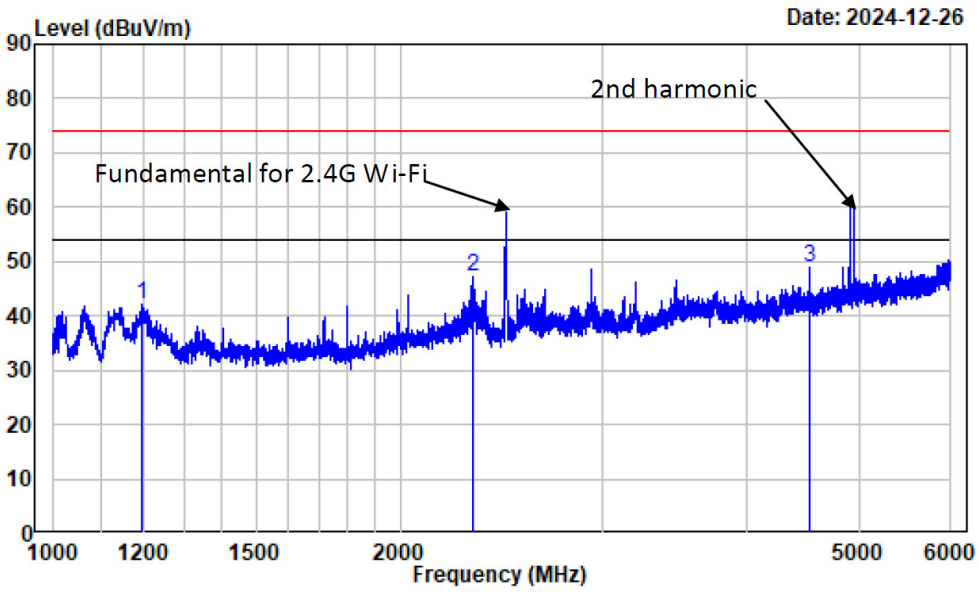


Site : Chamber A
Condition : 3m Vertical
Project Number : 2401Z25490E-EM
Test Mode : Mode2
Detector: Peak RBW/VBW: 100/300kHz
Tester : Jack Liu

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	45.77	-16.32	39.36	23.04	40.00	-16.96	QP
2	58.69	-18.22	42.01	23.79	40.00	-16.21	QP
3	154.14	-12.55	35.12	22.57	43.50	-20.93	QP
4	378.09	-9.20	38.40	29.20	46.00	-16.80	QP
5	474.87	-6.51	42.13	35.62	46.00	-10.38	QP
6	782.69	-2.36	38.37	36.01	46.00	-9.99	QP

1 ~ 6 GHz

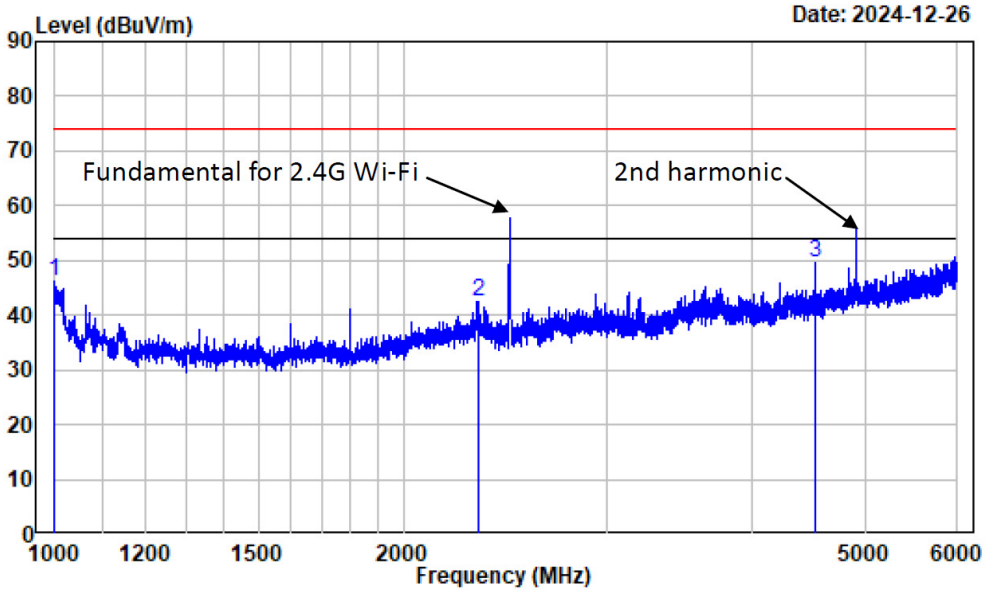
Horizontal




```
Site             : chamber B
Condition        : Horizontal
Project Number   : 2401Z25490E-EM
Test mode        : Mode2
Tester           : Dylan Yang
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak
```

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	1195.024	-15.15	57.10	41.95	74.00	-32.05	Peak
2	2312.039	-10.79	58.07	47.28	74.00	-26.72	Peak
3	4531.691	-8.07	56.83	48.76	74.00	-25.24	Peak

Vertical

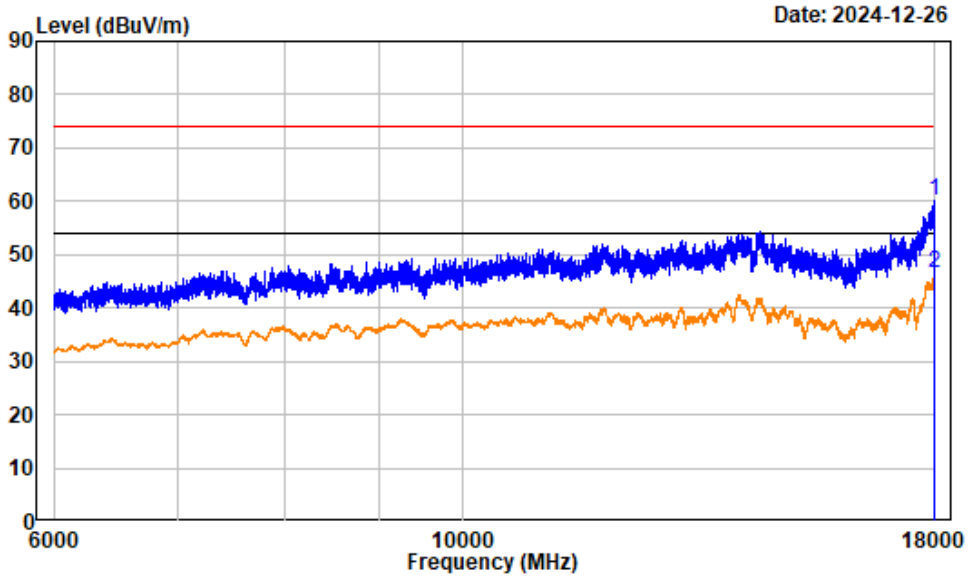


Site : chamber B
Condition : Vertical
Project Number : 2401Z25490E-EM
Test mode : Mode2
Tester : Dylan Yang
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	1000.000	-15.53	61.84	46.31	74.00	-27.69	Peak
2	2321.415	-10.81	53.39	42.58	74.00	-31.42	Peak
3	4531.691	-8.07	57.51	49.44	74.00	-24.56	Peak

6 ~ 18 GHz

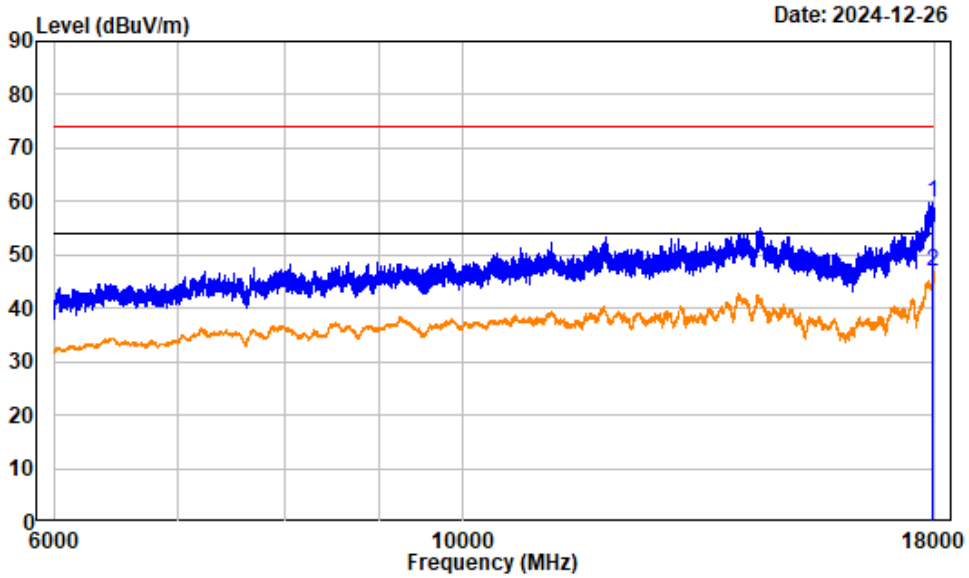
Horizontal




```
Site             : chamber B
Condition        : Horizontal
Project Number   : 2401Z25490E-EM
Test mode        : Mode 2
Tester           : Dylan Yang
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak
                 : Average reading: RBW:1MHz VBW:1kHz Detector:Peak
```

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	17970.000	13.06	47.03	60.09	74.00	-13.91	Peak
2	17970.000	13.06	33.53	46.59	54.00	-7.41	Average

Vertical

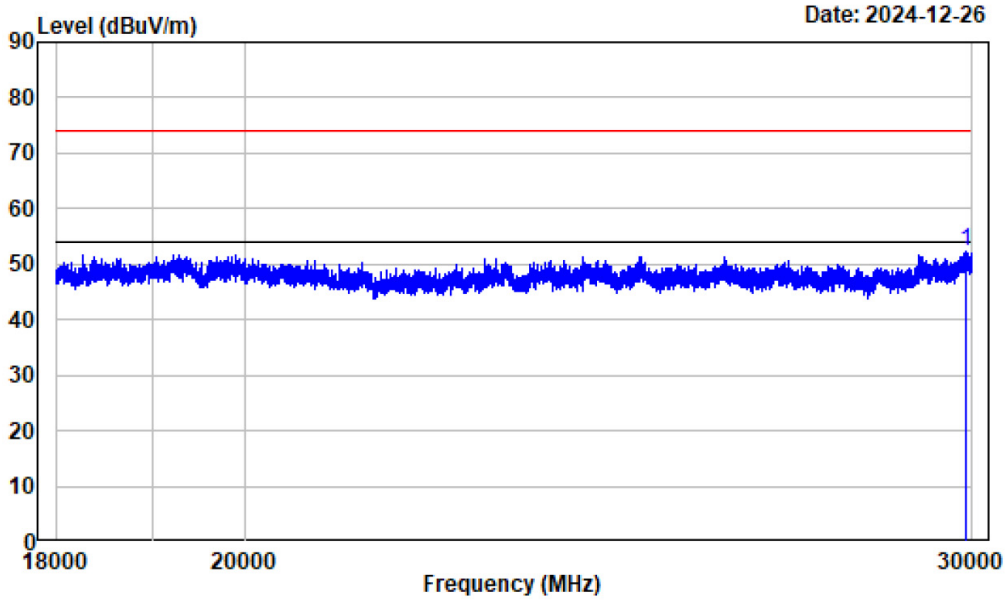



```
Site             : chamber B
Condition        : Vertical
Project Number   : 2401Z25490E-EM
Test mode        : Mode 2
Tester           : Dylan Yang
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak
                 : Average reading: RBW:1MHz VBW:1kHz Detector:Peak
```

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	17965.500	13.03	46.86	59.89	74.00	-14.11	Peak
2	17965.500	13.03	33.70	46.73	54.00	-7.27	Average

18 ~30 GHz

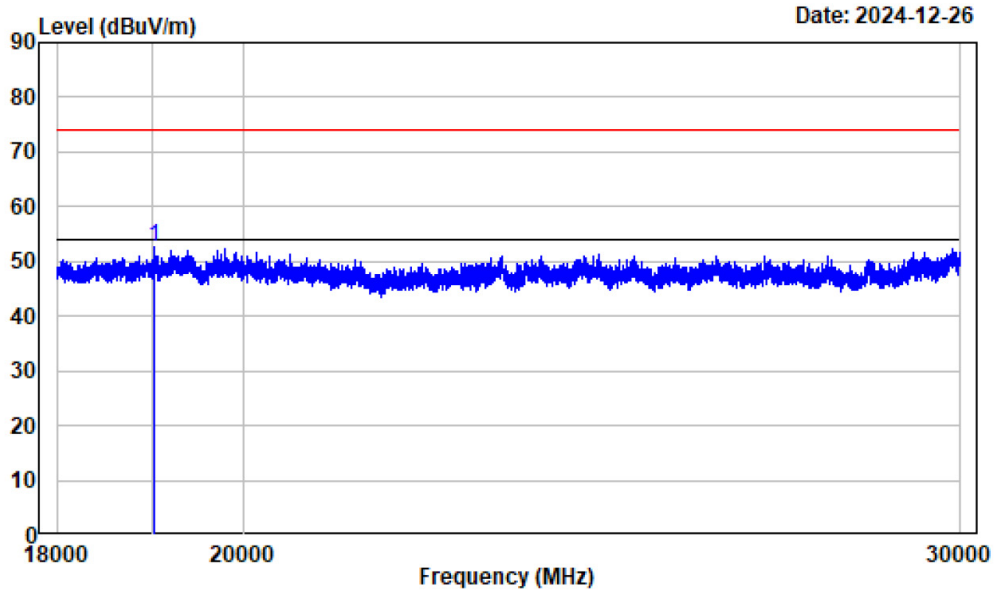
Horizontal



Site : chamber B
Condition : Horizontal
Project Number : 2401Z25490E-EM
Test mode : Mode 2
Tester : Dylan Yang
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	29897.990	18.40	33.94	52.34	74.00	-21.66	Peak

Vertical



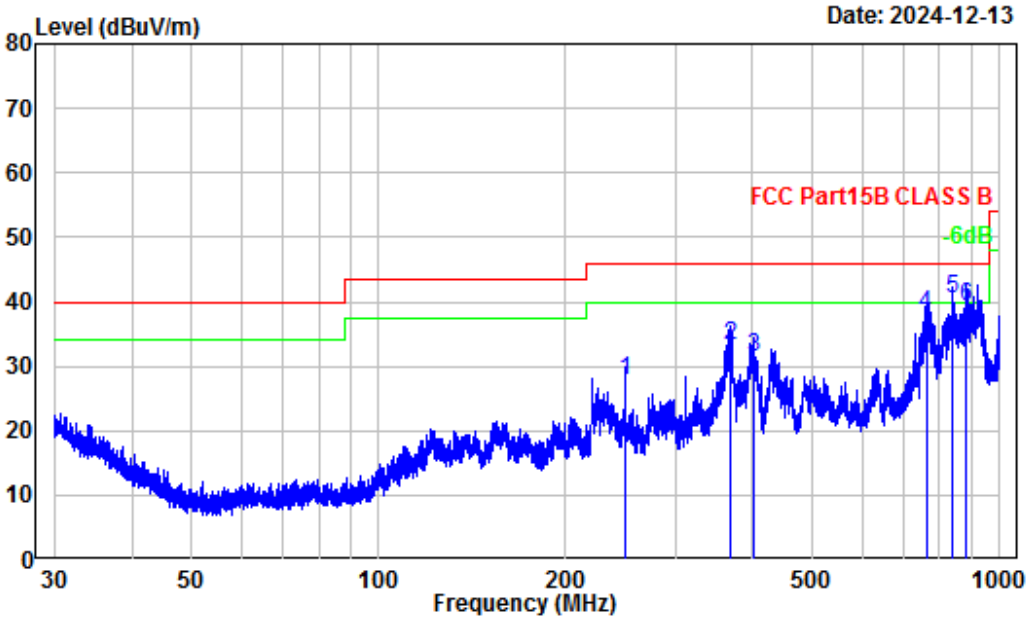

```
Site            : chamber B
Condition       : Vertical
Project Number  : 2401Z25490E-EM
Test mode       : Mode 2
Tester          : Dylan Yang
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak
```

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	19012.630	15.24	37.30	52.54	74.00	-21.46	Peak

Test Mode 3

30 MHz~1 GHz

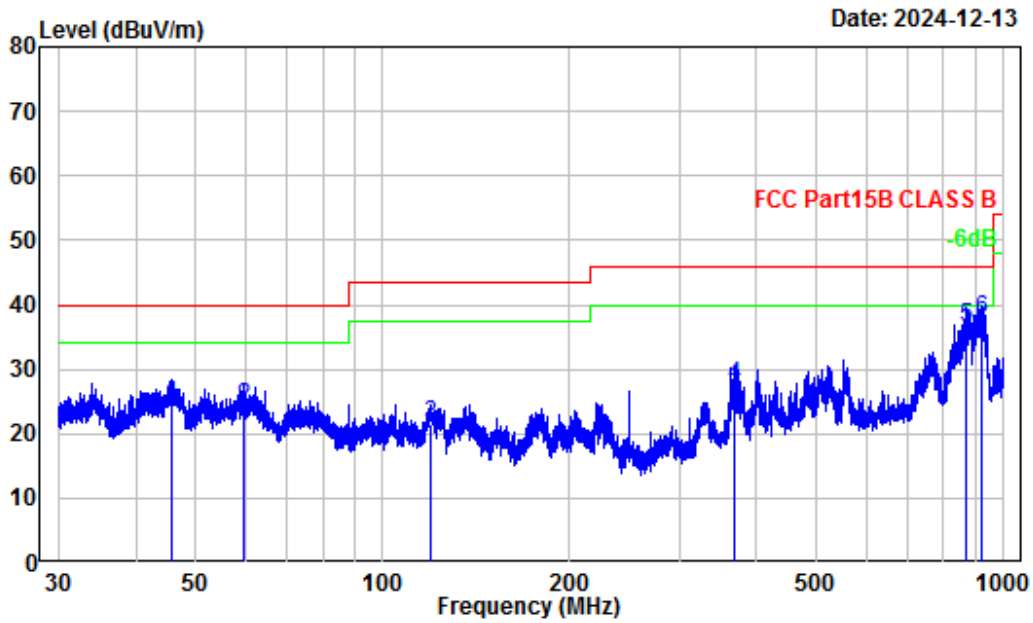
Horizontal



Site : Chamber A
Condition : 3m Horizontal
Project Number : 2401Z25490E-EM
Test Mode : Mode3
Detector: Peak RBW/VBW: 100/300kHz
Tester : Jack Liu

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	249.97	-13.09	40.98	27.89	46.00	-18.11	QP
2	367.95	-9.57	42.81	33.24	46.00	-12.76	QP
3	401.31	-8.37	39.90	31.53	46.00	-14.47	QP
4	761.37	-2.65	40.61	37.96	46.00	-8.04	QP
5	841.39	-1.80	42.14	40.34	46.00	-5.66	QP
6	884.12	-1.44	40.81	39.37	46.00	-6.63	QP

Vertical

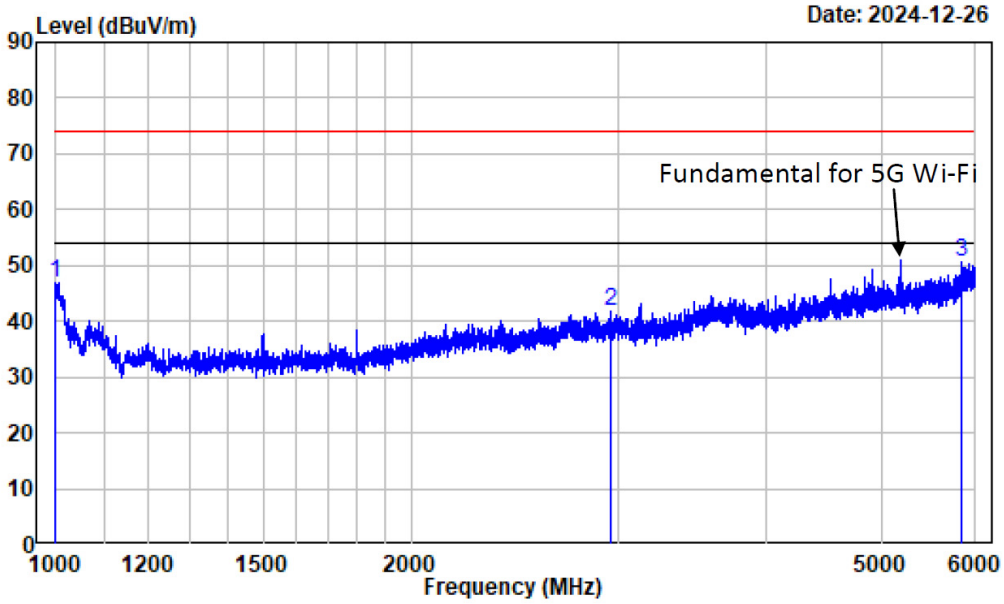


Site : Chamber A
Condition : 3m Vertical
Project Number : 2401Z25490E-EM
Test Mode : Mode3
Detector: Peak RBW/VBW: 100/300kHz
Tester : Jack Liu

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	45.65	-16.25	40.74	24.49	40.00	-15.51	QP
2	59.89	-18.13	42.25	24.12	40.00	-15.88	QP
3	119.17	-11.54	32.83	21.29	43.50	-22.21	QP
4	368.60	-9.56	37.01	27.45	46.00	-18.55	QP
5	871.42	-1.59	37.99	36.40	46.00	-9.60	QP
6	924.13	-1.14	38.92	37.78	46.00	-8.22	QP

1 ~ 6 GHz

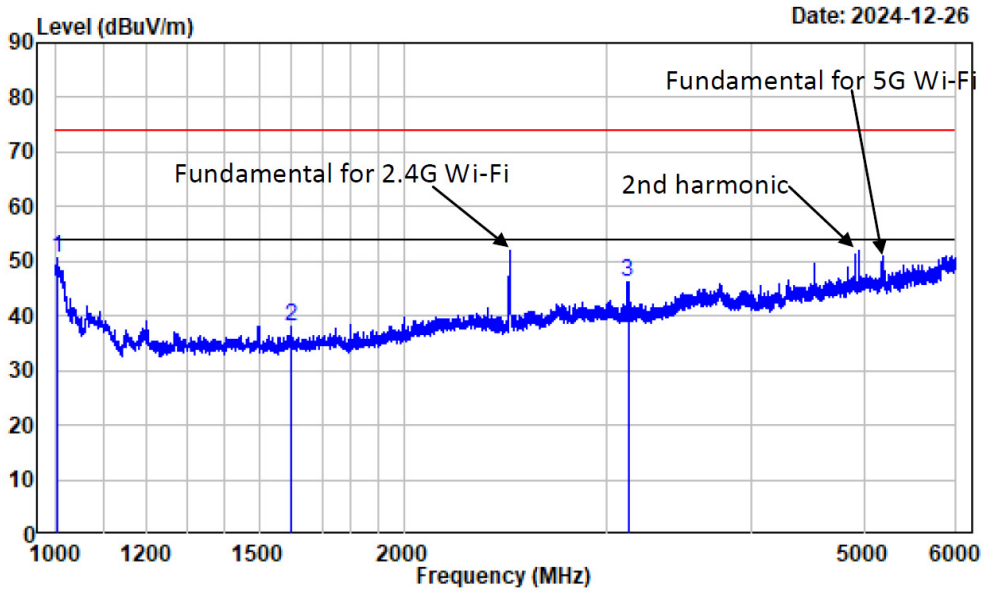
Horizontal



Site : chamber B
Condition : Horizontal
Project Number : 2401Z25490E-EM
Test mode : Mode 3
Tester : Dylan Yang
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	1001.250	-15.53	62.46	46.93	74.00	-27.07	Peak
2	2948.994	-10.48	52.11	41.63	74.00	-32.37	Peak
3	5851.231	-4.68	55.27	50.59	74.00	-23.41	Peak

Vertical

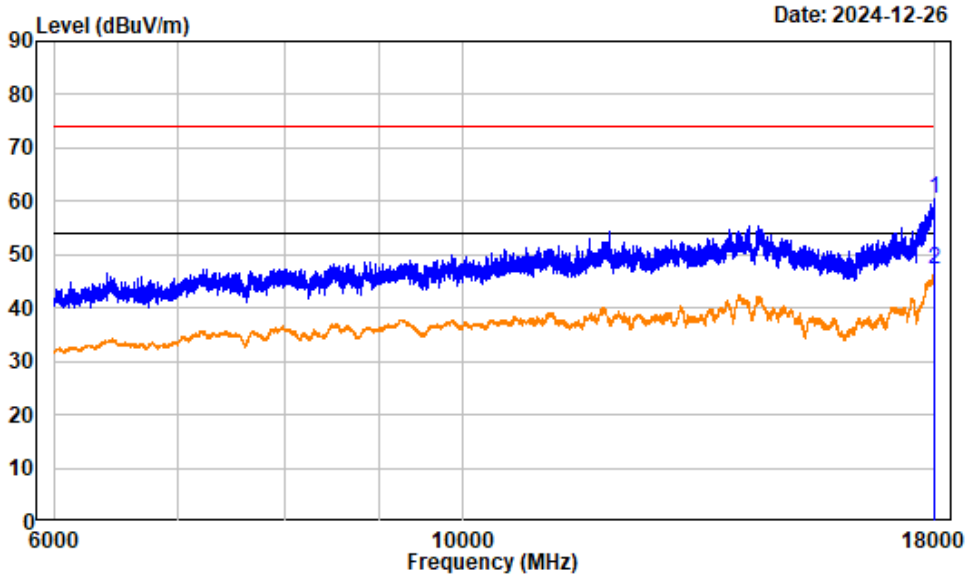



```
Site             : chamber B
Condition        : Vertical
Project Number   : 2401Z25490E-EM
Test mode        : Mode 3
Tester           : Dylan Yang
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak
```

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	1005.626	-15.52	66.23	50.71	74.00	-23.29	Peak
2	1598.825	-14.33	52.40	38.07	74.00	-35.93	Peak
3	3125.266	-10.43	56.61	46.18	74.00	-27.82	Peak

6 ~ 18 GHz

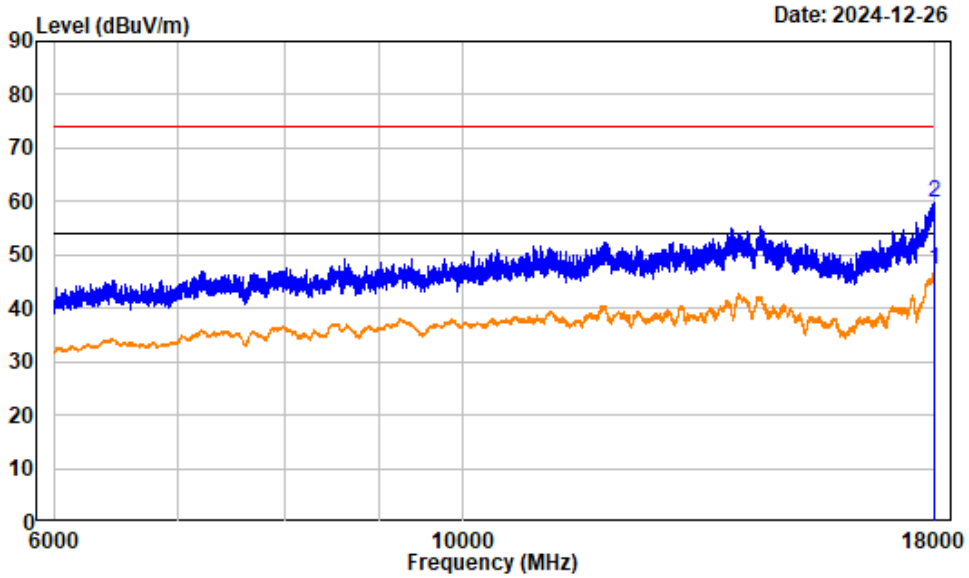
Horizontal




```
Site             : chamber B
Condition        : Horizontal
Project Number   : 2401Z25490E-EM
Test mode        : Mode 3
Tester           : Dylan Yang
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak
                 : Average reading: RBW:1MHz VBW:1kHz Detector:Peak
```

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	17977.500	13.09	47.23	60.32	74.00	-13.68	Peak
2	17977.500	13.09	33.97	47.06	54.00	-6.94	Average

Vertical

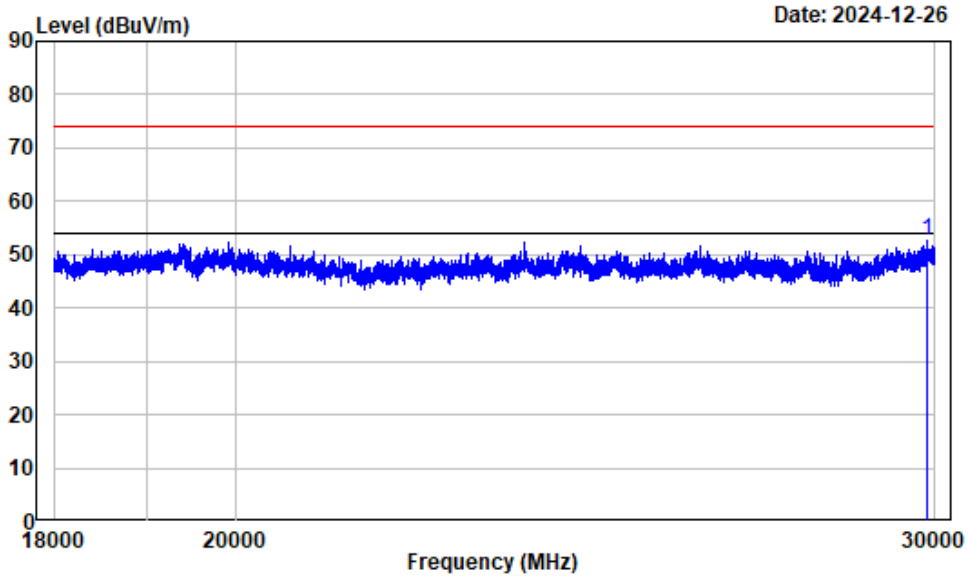



```
Site             : chamber B
Condition        : Vertical
Project Number   : 2401Z25490E-EM
Test mode        : Mode 3
Tester           : Dylan Yang
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak
                 : Average reading: RBW:1MHz VBW:1kHz Detector:Peak
```

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	17995.500	13.18	33.98	47.16	54.00	-6.84	Average
2	17995.500	13.18	46.47	59.65	74.00	-14.35	Peak

18 ~30 GHz

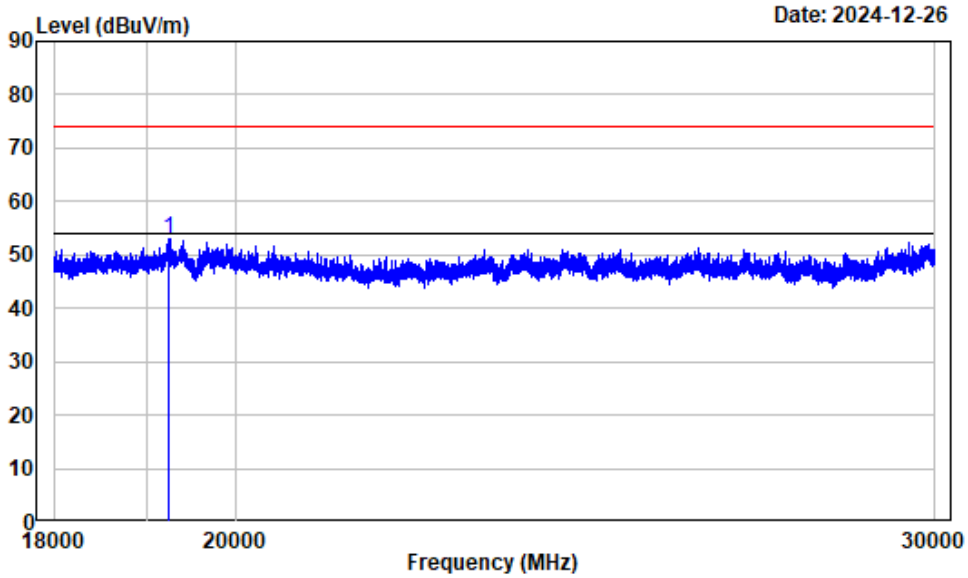
Horizontal




```
Site             : chamber B
Condition        : Horizontal
Project Number   : 2401Z25490E-EM
Test mode        : Mode 3
Tester           : Dylan Yang
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak
```

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	29860.480	18.39	34.08	52.47	74.00	-21.53	Peak

Vertical




```
Site             : chamber B
Condition        : Vertical
Project Number   : 2401Z25490E-EM
Test mode        : Mode 3
Tester           : Dylan Yang
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak
```

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	19231.650	15.29	37.85	53.14	74.00	-20.86	Peak

EUT PHOTOGRAPHS

Please refer to the attachment 2401Z25490E-RF External photo and 2401Z25490E-RF Internal photo.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2401Z25490E-EM Test Setup photo.

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