



## FCC PART 15B

### TEST REPORT

For

### Gouldin Technologies, LLC

3220 Keller Springs Rd, #106, Carrollton, TX, 75006 United States

**FCC ID: 2AOQ7-WP450V3**

<b>Report Type:</b>	<b>Product Name:</b>
Original Report	Watchman
<b>Report Number:</b>	2407S49801E-EM-01
<b>Report Date:</b>	2024-08-14
<b>Reviewed By:</b>	Stein Peng 
<b>Approved By:</b>	Miles Chen 
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## REPORT REVISION HISTORY

Number of Revisions	Report No.	Version	Issue Date	Description
0	2407S49801E-EM-01	R1V1	2024-08-14	Initial Release

## GENERAL INFORMATION

### Product Description for Equipment under Test (EUT)

Applicant:	Gouldin Technologies, LLC
Product Name:	Watchman
Tested Model:	W450
Hardware version:	V3.0
Software version:	327.230.3.7
Power Supply:	DC 48V from PoE Adapter (AC 120V/60Hz) DC 12V from Adapter (AC 120V/60Hz)
★Highest Operating Frequency:	1.5GHz

*Note:*

1. The highest operating frequency is provided by the applicant.
2. All measurement and test data in this report was gathered from production sample serial number: 2407S49801E-EM-1 (Assigned by the BACL (Xiamen). The EUT was received on 2024-05-15).

### Objective

This report is prepared for *Gouldin Technologies, LLC* in accordance with Part 2-Subpart J, and Part 15-Subparts A and B of the Federal Communication Commission's rules.

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

### Test Facility

The test site used by Bay Area Compliance Laboratories Corp. (Xiamen) to collect test data is located on the Unit 102, No. 902 Meifeng South Road, Binhai West Avenue, Science and Technology Innovation Park, Torch High tech Zone XiaMen.

Bay Area Compliance Laboratories Corp. (Xiamen) Lab is accredited to ISO/IEC 17025 by A2LA (Certificate Number: 7134.01) and the lab has been recognized as the FCC accredited lab under the KDB 974614 D01, the FCC Designation No. : CN1384.

## Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the product as specified in CISPR 16-4-2. This uncertainty represents expanded uncertainty expressed at 95% confidence level using a coverage factor of k=2.

$$u_c(y) = \sqrt{\sum_i c_i^2 u^2(x_i)}$$

Item	Frequency Range	$U_{\text{lab}} = 2 u_c(y)$ (Confidence of 95%)
Conducted Emissions	150kHz-30MHz	2.33 dB
Radiated Disturbance	30MHz~200MHz	4.38 dB
	200MHz~1GHz	4.50 dB
	1GHz~6GHz	4.58dB
	6GHz~18GHz	5.43dB

## SYSTEM TEST CONFIGURATION

### Test Mode and Voltage

The system was configured for testing in a typical mode (as normally used by a typical user).

Test mode:	Test Mode 1: Video call (Powered by PoE Adapter) Test Mode 2: Video call (Powered by Adapter)
Test voltage:	Test Mode 1: DC 48V from PoE Adapter Test Mode 2: DC 12V from Adapter

### EUT Exercise Software

No exercise software was used to test.

### Special Accessories

No special accessory was used.

### Equipment Modifications

No modification was made to the EUT tested.

### Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
Xiamen Xunheng Electronics Co., LTD	Adapter	XH1200-2000	DNK12020-3
RUIJIE NETWORKS CO.,LTD.	POE	RG-E-130(GE)	/
Lenovo	Laptop	Lenovo 14w Gen 2	PW01PJ6E
Gouldin Technologies, LLC	Doo bell*3	/	/
Gouldin Technologies, LLC	Doo lock*3	/	/
Gouldin Technologies, LLC	Card Reader	/	/
Gouldin Technologies, LLC	Load	/	/

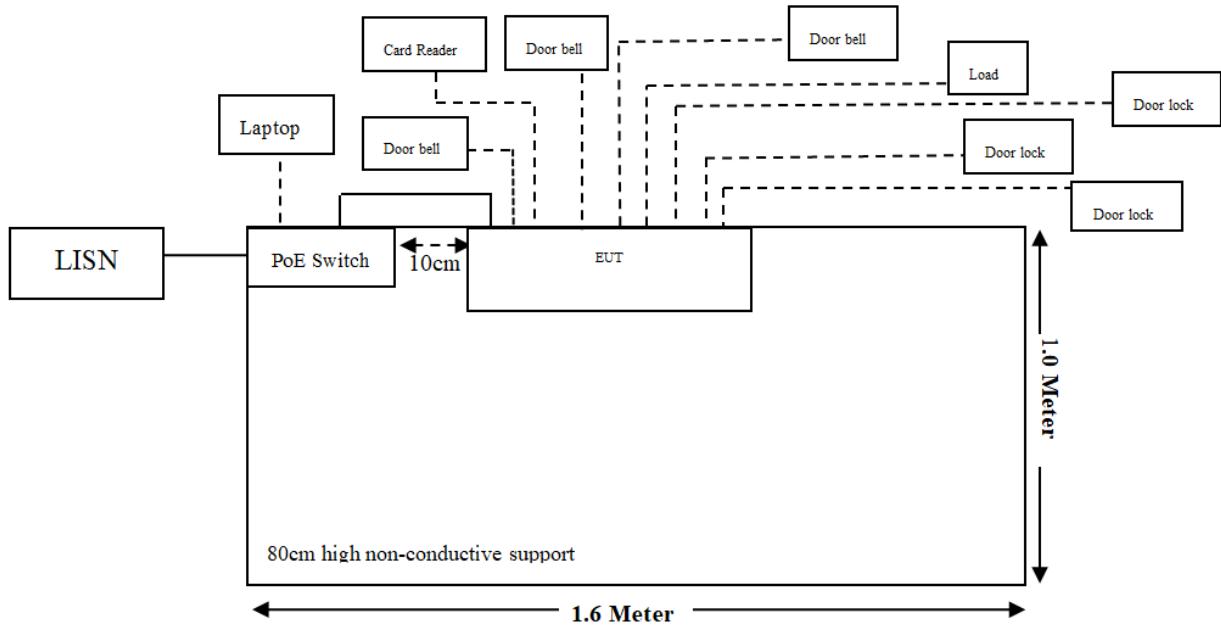
### External I/O Cable

Cable Description	Length (m)	From Port	To Port
Power Cable	1.5	AC Source	PoE Switch
RJ45	2.0	Single-port PoE Power Adapter	EUT
RJ45	2.0	Single-port PoE Power Adapter	Lenovo 14w Gen 2
Cable	2.0	Doo bell	EUT
Cable	2.0	Doo lock	EUT
Cable	2.0	Card Reader	EUT
Cable	2.0	Load	EUT

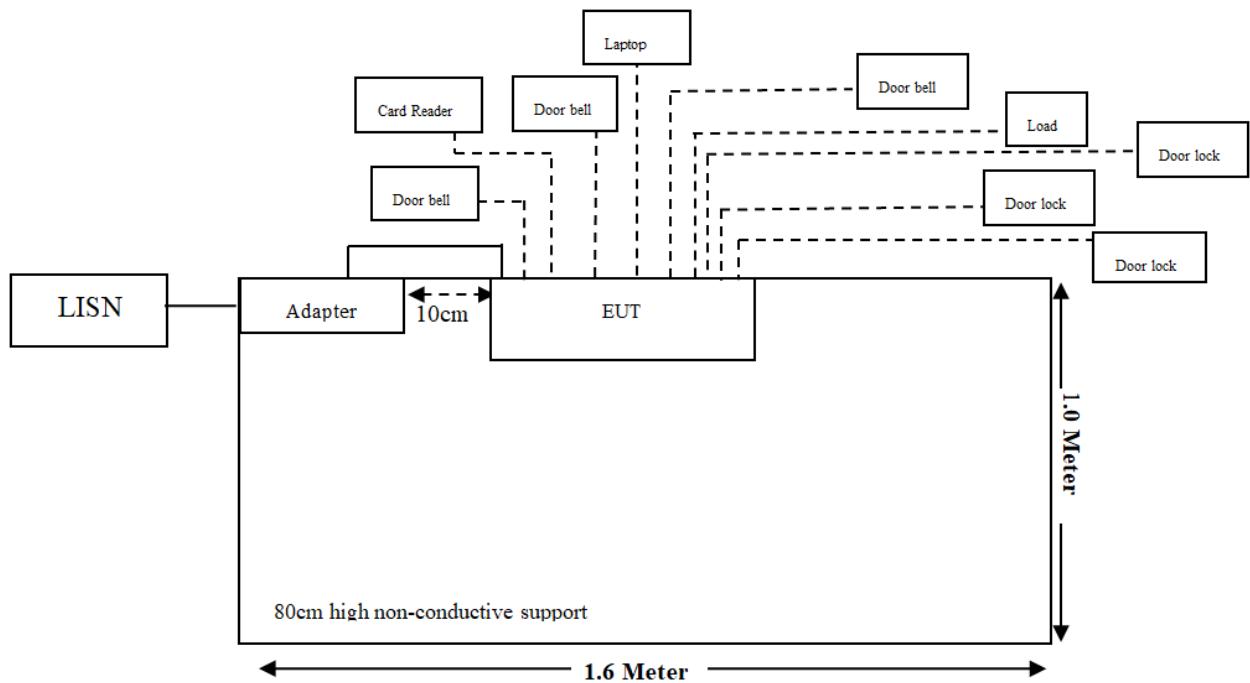
## Block Diagram of Test Setup

Conducted Emission:

Test Mode 1:

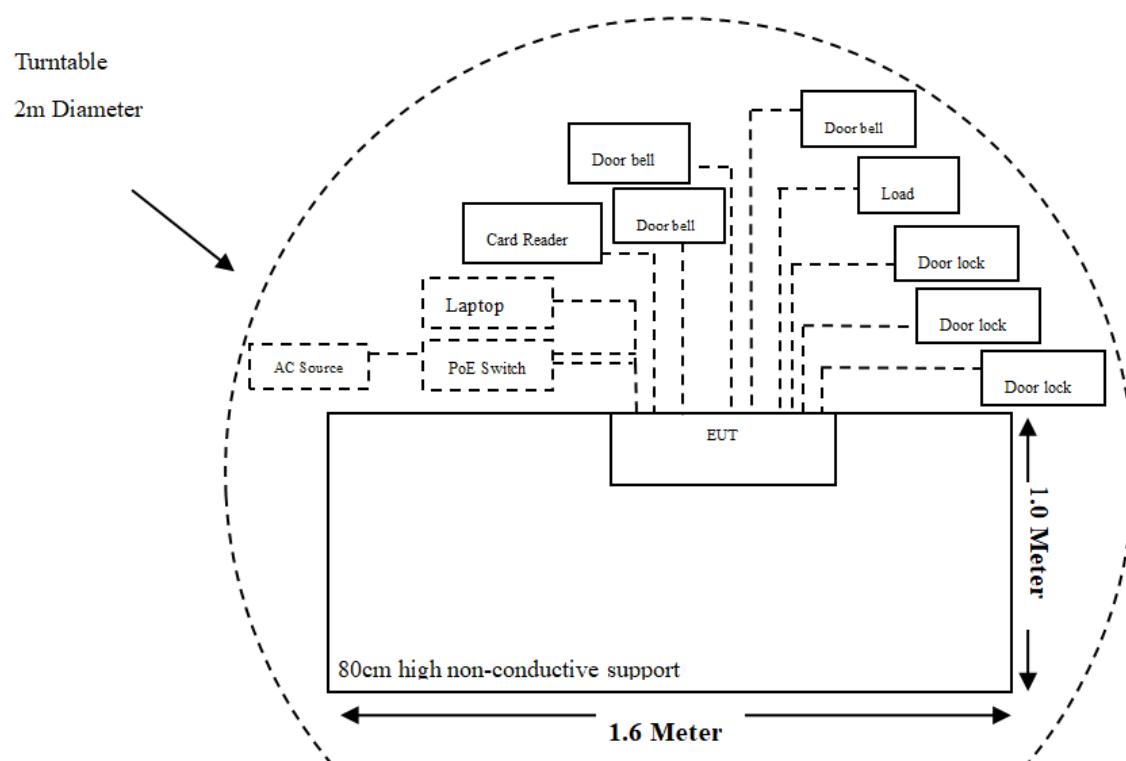


Test Mode 2:

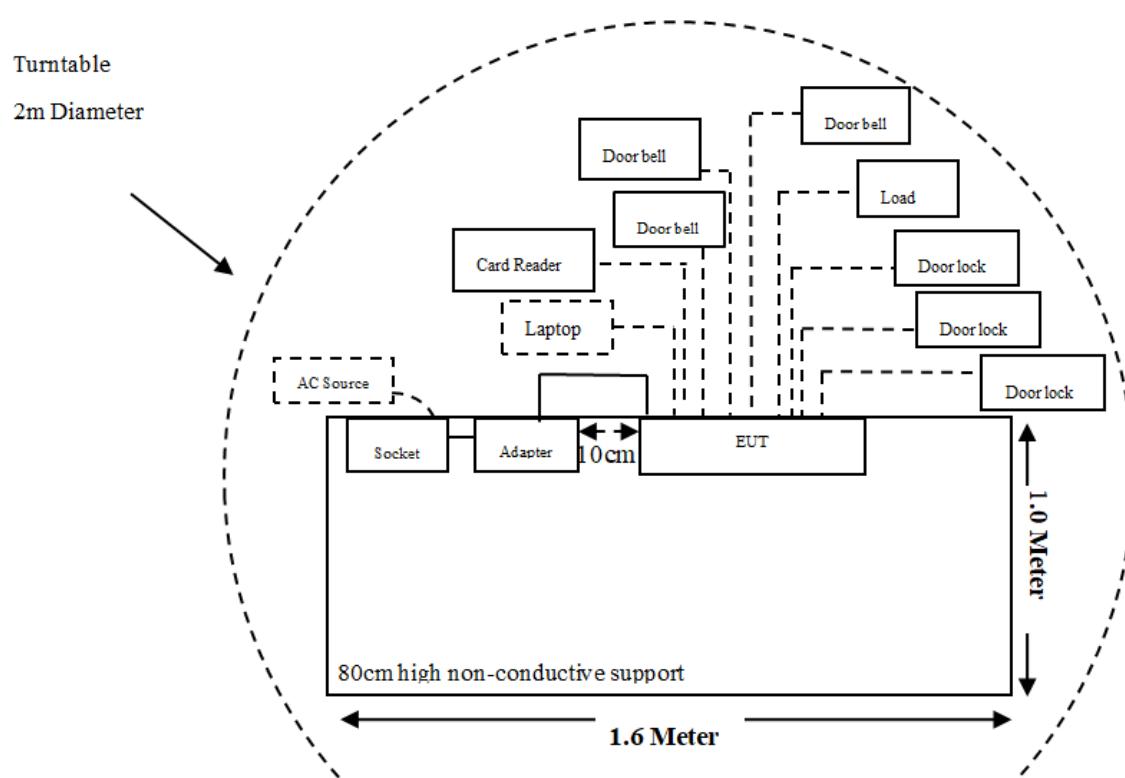


Radiated Emission:

Test Mode 1:



## Test Mode 2:



**SUMMARY OF TEST RESULTS**

Rule Part	Description of Test	Results
§15.107	Conducted Emissions	Compliant
§15.109	Radiated Emissions(30MHz-1000MHz)	Compliant
§15.109	Radiated Emissions(Above 1GHz)	Compliant

## TEST EQUIPMENT LIST

Test Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due Date
<b>Conducted Emissions</b>					
EMI Test Receiver	Rohde & Schwarz	ESR	103105	2024/03/29	2025/03/28
LISN	Rohde & Schwarz	ENV216	100129	2024/03/29	2025/03/28
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	0357.8810.54	2024/03/29	2025/03/28
Coaxial Cable	XINHANGWEIBO	XH400T-N-4M	CC001	2024/03/29	2025/03/28
Test Software	Audix	E3	18621a	N/A	N/A
<b>Radiated Emissions (Below 1GHz)</b>					
EMI Test Receiver	Rohde & Schwarz	ESR	103103	2024/03/29	2025/03/28
Antenna	Sunol Sciences	JB6	A122022-5	2023/07/27	2026/07/26
Amplifier	Sonoma	310B	120903	2024/03/29	2025/03/28
Coaxial Cable	XINHANGWEIBO	XH400T-N-4M	CC002	2024/03/29	2025/03/28
Coaxial Cable	XINHANGWEIBO	XH460B-N-2M	CC006	2024/03/29	2025/03/28
Coaxial Cable	XINHANGWEIBO	XH460B-N-12M	CC007	2024/03/29	2025/03/28
Test Software	Audix	E3	18621a	N/A	N/A
<b>Radiated Emissions (Above 1GHz)</b>					
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102051	2024/03/29	2025/03/28
Double Ridge Guide Horn Antenna	A.H.Systems	SAS-571	1980	2023/07/28	2026/07/27
Preamplifier	A.H.Systems	PAM-0118P	489	2024/03/29	2025/03/28
Coaxial Cable	XINHANGWEIBO	XH800A-N-6M	CC003	2024/03/29	2025/03/28
Coaxial Cable	XINHANGWEIBO	XH800A-N-1M	CC005	2024/03/29	2025/03/28
Test Software	Audix	E3	18621a	N/A	N/A

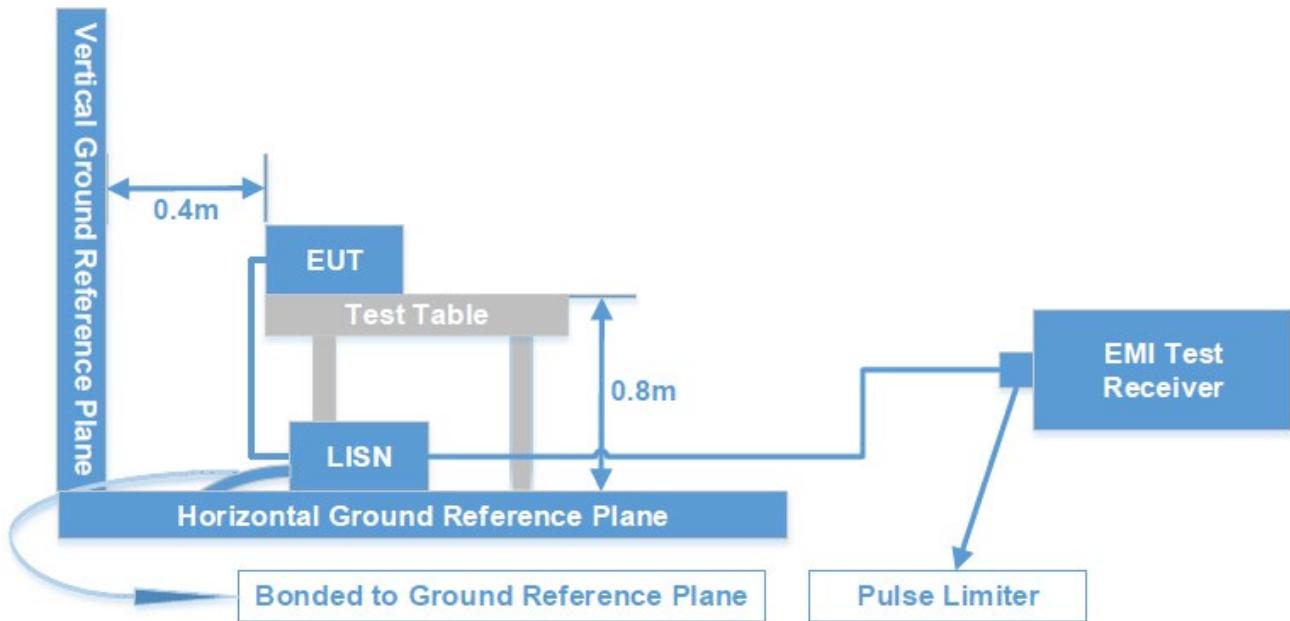
**Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Xiamen) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

## FCC §15.107 - CONDUCTED EMISSIONS

### Applicable Standard

FCC §15.107

### Test System Setup



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

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	VBW	Detector
150 kHz – 30 MHz	9 kHz	30 kHz	AV/QP

### Test Procedure

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

If the maximum peak value of the emissions is below the average limit, the QP value and average value measurement will not need to be performed and only record the maximum peak measured value to meet the requirements.

## Level & Margin Calculation

The Level is calculated by adding LISN VDF (Voltage Division Factor), Cable Loss and Transient Limiter Attenuation from the Meter Reading. The basic equation is as follows:

$$\begin{aligned}\text{Factor (dB)} &= \text{LISN VDF (dB)} + \text{Cable Loss (dB)} + \text{Transient Limiter Attenuation (dB)} \\ \text{Level (dB}\mu\text{V)} &= \text{Reading (dB}\mu\text{V)} + \text{Factor (dB)}\end{aligned}$$

The “Margin” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

$$\text{Margin (dB)} = \text{Limit (dB}\mu\text{V)} - \text{Level (dB}\mu\text{V)}$$

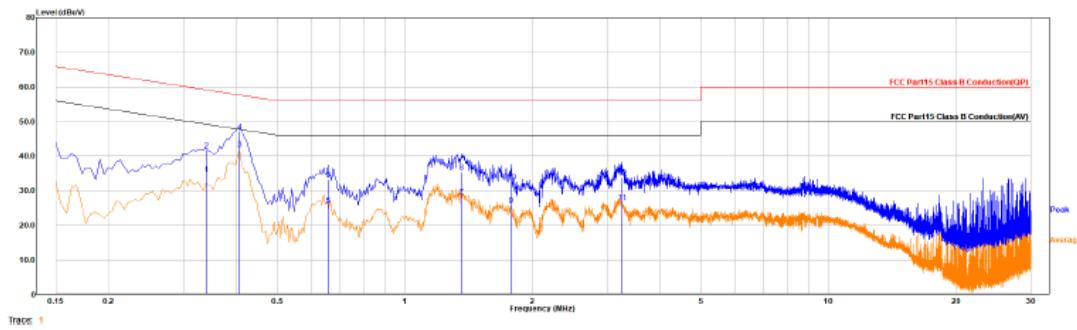
## Test Data

Temperature:	24.9°C
Relative Humidity:	60%
ATM Pressure:	101kPa
Test Date:	2024-05-21
Test Engineer:	Toby Chen

**Test Mode 1**

Date: 2024-05-21 time: 16:07:49

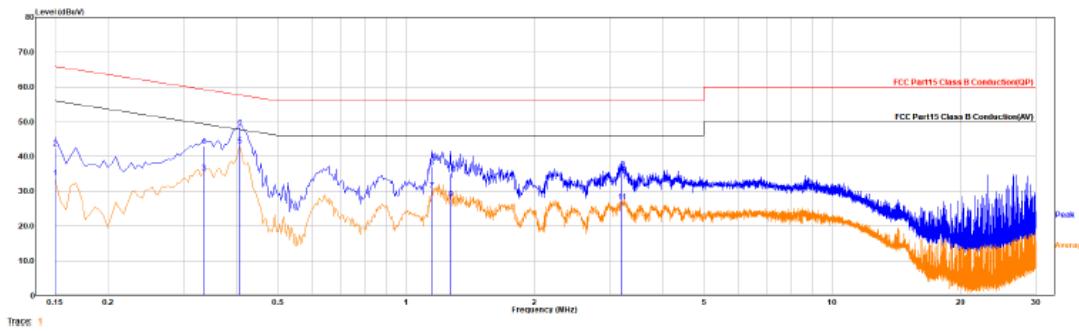
Project No. : 2407S49801E-EM Temp/Humi : 24.9/60%  
Test Mode : video call Tested by : Toby Chen



Freq MHz	Reading dBuV	Factor dB	Level dBuV	Limit dB $\mu$ V	Margin dB	Phase	Remark
0.339	15.29	19.57	34.86	49.23	14.37	Line	Average
0.339	22.16	19.57	41.73	59.23	17.50	Line	QP
0.406	22.48	19.59	42.07	47.72	5.65	Line	Average
0.406	27.62	19.59	47.21	57.72	10.51	Line	QP
0.658	6.22	19.59	25.81	46.00	20.19	Line	Average
0.658	13.56	19.59	33.15	56.00	22.85	Line	QP
1.360	8.67	19.64	28.31	46.00	17.69	Line	Average
1.360	15.79	19.64	35.43	56.00	20.57	Line	QP
1.783	6.21	19.64	25.85	46.00	20.15	Line	Average
1.783	13.12	19.64	32.76	56.00	23.24	Line	QP
3.250	7.03	19.63	26.66	46.00	19.34	Line	Average
3.250	14.23	19.63	33.86	56.00	22.14	Line	QP

Date: 2024-05-21 time: 16:11:33

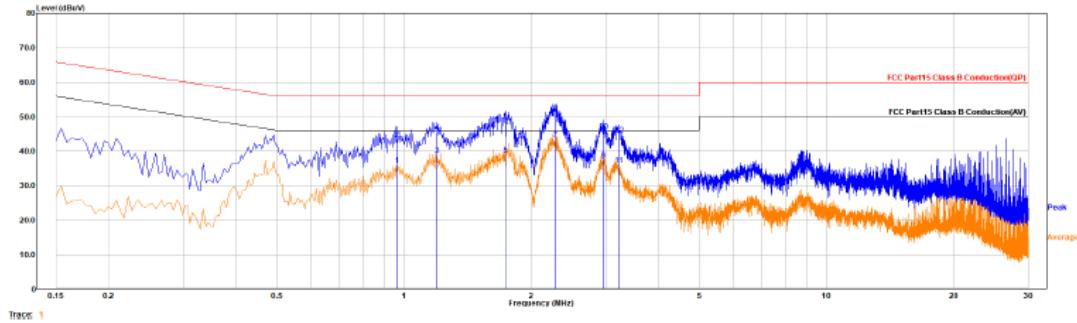
Project No. : 2407S49801E-EM Temp/Humi : 24.9/60%  
Test Mode : video call Tested by : Toby Chen



Freq MHz	Reading dBuV	Factor dB	Level dBuV	Limit dB $\mu$ V	Margin dB	Phase	Remark
0.150	14.55	19.46	34.01	56.00	21.99	Neutral	Average
0.150	22.89	19.46	42.35	66.00	23.65	Neutral	QP
0.334	15.83	19.57	35.40	49.34	13.94	Neutral	Average
0.334	23.38	19.57	42.95	59.34	16.39	Neutral	QP
0.406	23.53	19.60	43.13	47.72	4.59	Neutral	Average
0.406	28.78	19.60	48.38	57.72	9.34	Neutral	QP
1.149	10.62	19.66	30.28	46.00	15.72	Neutral	Average
1.149	17.28	19.66	36.94	56.00	19.06	Neutral	QP
1.270	8.10	19.67	27.77	46.00	18.23	Neutral	Average
1.270	15.34	19.67	35.01	56.00	20.99	Neutral	QP
3.205	7.53	19.64	27.17	46.00	18.83	Neutral	Average
3.205	15.04	19.64	34.68	56.00	21.32	Neutral	QP

**Test Mode 2**

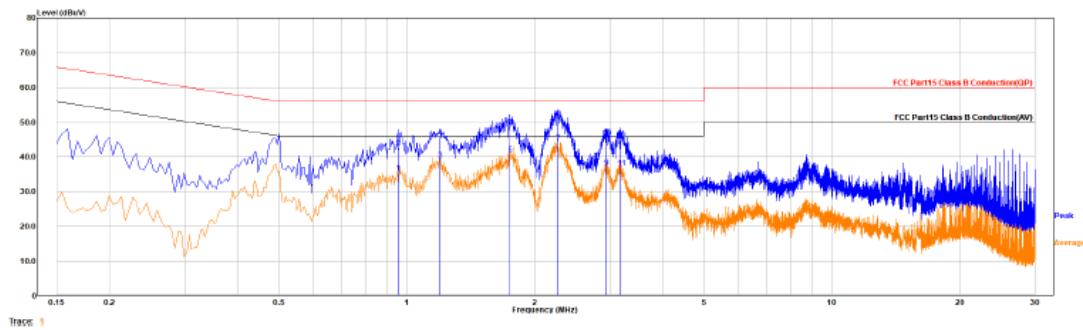
Date: 2024-05-21 time: 17:15:47

Project No. : 2407S49801E-EM Temp/Humi : 24.9/60%  
Test Mode : video call Tested by : Toby Chen

Freq MHz	Reading dBuV	Factor dB	Level dBuV	Limit dB $\mu$ V	Margin dB	Phase	Remark
0.960	16.52	19.64	36.16	46.00	9.84	Line	Average
0.960	23.87	19.64	43.51	56.00	12.49	Line	QP
1.198	19.45	19.64	39.09	46.00	6.91	Line	Average
1.198	26.04	19.64	45.68	56.00	10.32	Line	QP
1.734	19.28	19.64	38.92	46.00	7.08	Line	Average
1.734	27.85	19.64	47.49	56.00	8.51	Line	QP
2.278	23.86	19.64	43.50	46.00	2.50	Line	Average
2.278	31.22	19.64	50.86	56.00	5.14	Line	QP
2.958	17.93	19.63	37.56	46.00	8.44	Line	Average
2.958	26.30	19.63	45.93	56.00	10.07	Line	QP
3.219	16.51	19.63	36.14	46.00	9.86	Line	Average
3.219	25.24	19.63	44.87	56.00	11.13	Line	QP

Date: 2024-05-21 time: 17:19:19

Project No. : 2407S49801E-EM Temp/Humi : 24.9/60%  
Test Mode : video call Tested by : Toby Chen



Freq MHz	Reading dB $\mu$ V	Factor dB	Level dB $\mu$ V	Limit dB $\mu$ V	Margin dB	Phase	Remark
0.951	15.79	19.65	35.44	46.00	10.56	Neutral	Average
0.951	23.03	19.65	42.68	56.00	13.32	Neutral	QP
1.198	19.51	19.67	39.18	46.00	6.82	Neutral	Average
1.198	25.93	19.67	45.60	56.00	10.40	Neutral	QP
1.747	21.14	19.69	40.83	46.00	5.17	Neutral	Average
1.747	29.14	19.69	48.83	56.00	7.17	Neutral	QP
2.265	24.38	19.68	44.06	46.00	1.94	Neutral	Average
2.265	31.57	19.68	51.25	56.00	4.75	Neutral	QP
2.949	17.30	19.65	36.95	46.00	9.05	Neutral	Average
2.949	26.03	19.65	45.68	56.00	10.32	Neutral	QP
3.192	17.11	19.64	36.75	46.00	9.25	Neutral	Average
3.192	25.08	19.64	44.72	56.00	11.28	Neutral	QP

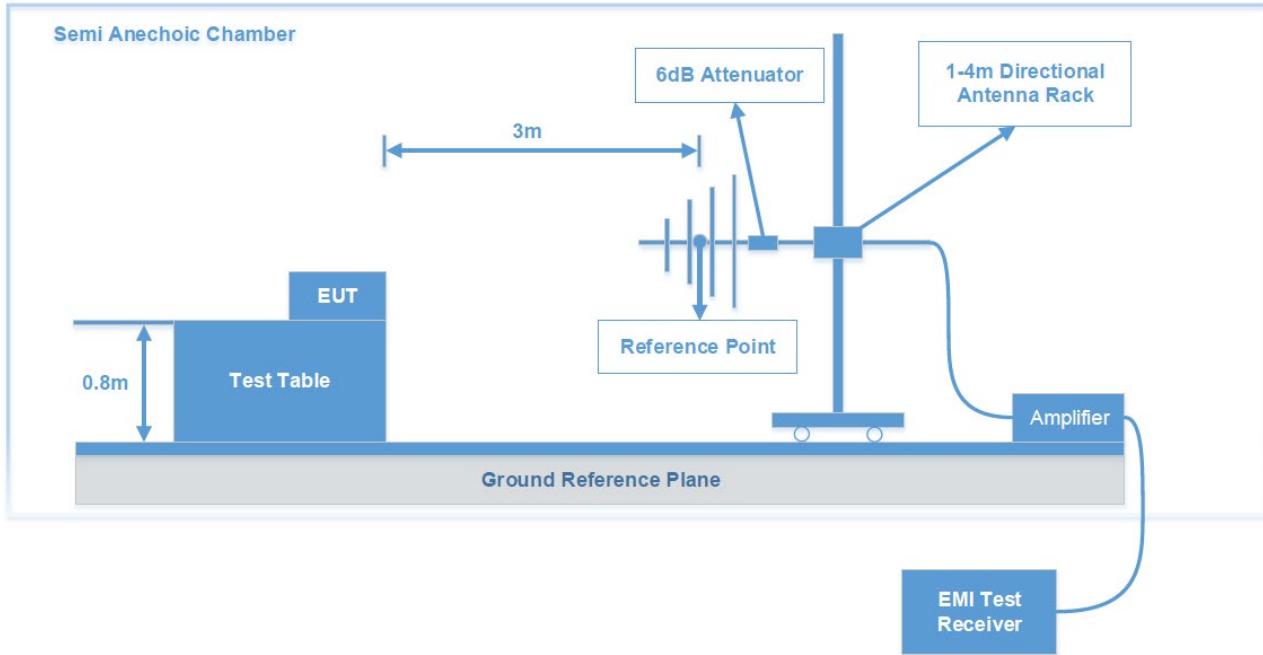
## FCC §15.109 - RADIATED EMISSIONS IN FREQUENCY 30MHz-1GHz

### Applicable Standard

FCC §15.109

### Test System Setup

Below 1 GHz:



The radiated emission tests were performed in the 3 meters chamber test site, using the setup accordance with the ANSI C63.4-2014. The specification used was the FCC Part 15.109 Class B limits.

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 system was investigated from 30 MHz to 1 GHz.

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

Frequency Range	RBW	VBW	Detector
30 MHz – 1000 MHz	120 kHz	300 kHz	QP

## Test Procedure

Maximizing procedure was performed on the six (6) highest emissions to ensure that the EUT complied with all installation combinations.

If the measured peak level of the emissions that the measuring receiver reading level plus corrected factor is at least 6 dB below the QP emission limit, there's no need to record the measured QP level of the emissions in the report.

## Level & Margin Calculation

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

$$\begin{aligned}\text{Factor (dB/m)} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} - \text{Amplifier Gain (dB)} \\ \text{Level (dB}\mu\text{V/m)} &= \text{Reading (dB}\mu\text{V)} + \text{Factor (dB/m)}\end{aligned}$$

The “Margin” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

$$\text{Margin (dB)} = \text{Limit (dB}\mu\text{V/m)} - \text{Level (dB}\mu\text{V/m)}$$

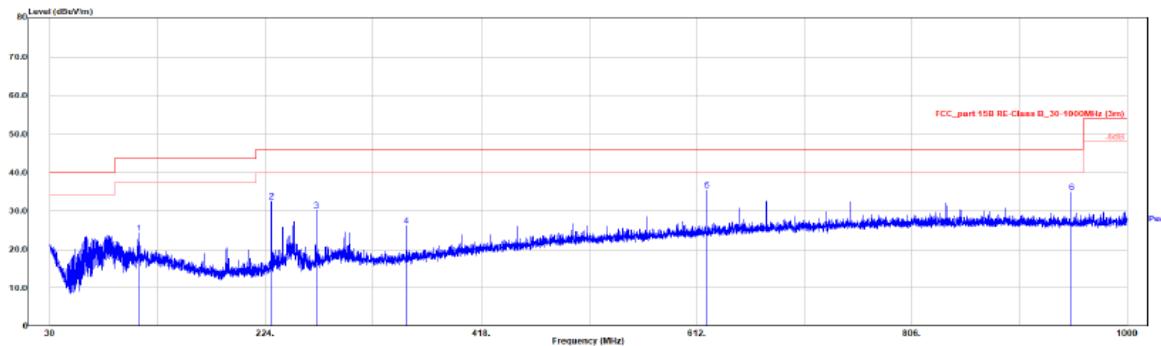
## Test Data

<b>Frequency Range:</b>	Below 1 GHz
<b>Temperature:</b>	23.3°C
<b>Relative Humidity:</b>	58%
<b>ATM Pressure:</b>	100.8kPa
<b>Test Date:</b>	2024-05-22
<b>Test Engineer:</b>	Toby Chen

**Test Mode 1**

Date: 2024-05-22 time: 13:23:44

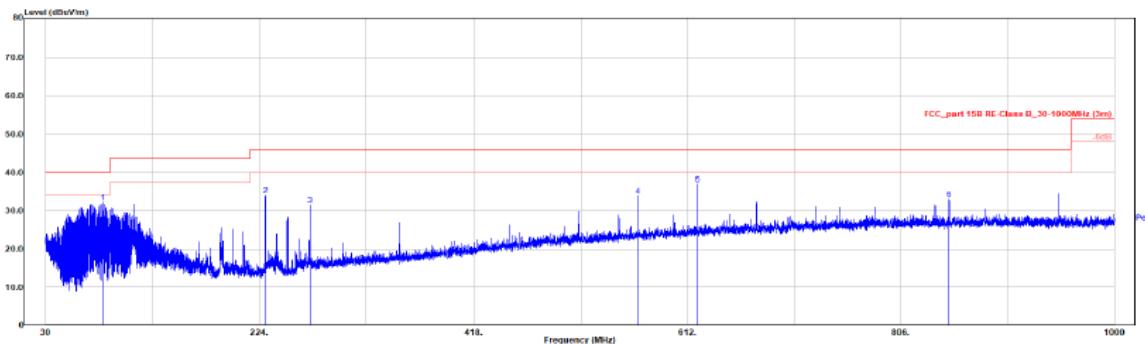
Project No. : 2407S49801E-EM Temp/Humi : 22.3°C/58%  
Test Mode : Video call Tested by : Toby Chen



Freq MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Pol	Remark
109.928	36.25	-11.91	24.34	43.50	19.16	Horizontal	QP
230.014	44.75	-12.17	32.58	46.00	13.42	Horizontal	QP
269.978	39.92	-9.77	30.15	46.00	15.85	Horizontal	QP
350.003	34.24	-8.01	26.23	46.00	19.77	Horizontal	QP
621.021	37.02	-1.57	35.45	46.00	10.55	Horizontal	QP
950.142	31.83	3.14	34.97	46.00	11.03	Horizontal	QP

Date: 2024-05-22 time: 13:27:24

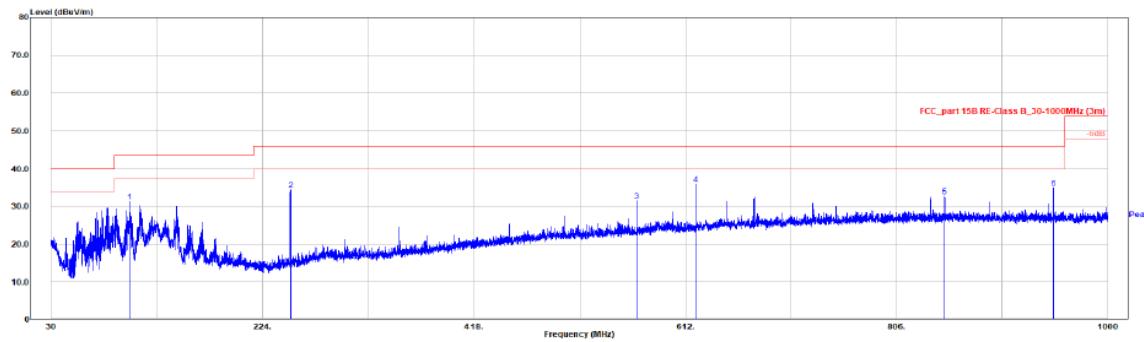
Project No. : 2407S49801E-EM Temp/Humi : 22.3°C/58%  
Test Mode : Video call Tested by : Toby Chen



Freq MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Pol	Remark
82.283	49.29	-17.18	32.11	40.00	7.89	Vertical	QP
230.014	46.16	-12.17	33.99	46.00	12.01	Vertical	QP
269.978	41.21	-9.77	31.44	46.00	14.56	Vertical	QP
566.992	36.36	-2.46	33.90	46.00	12.10	Vertical	QP
621.021	38.54	-1.57	36.97	46.00	9.03	Vertical	QP
850.038	31.04	1.94	32.98	46.00	13.02	Vertical	QP

**Test Mode 2**

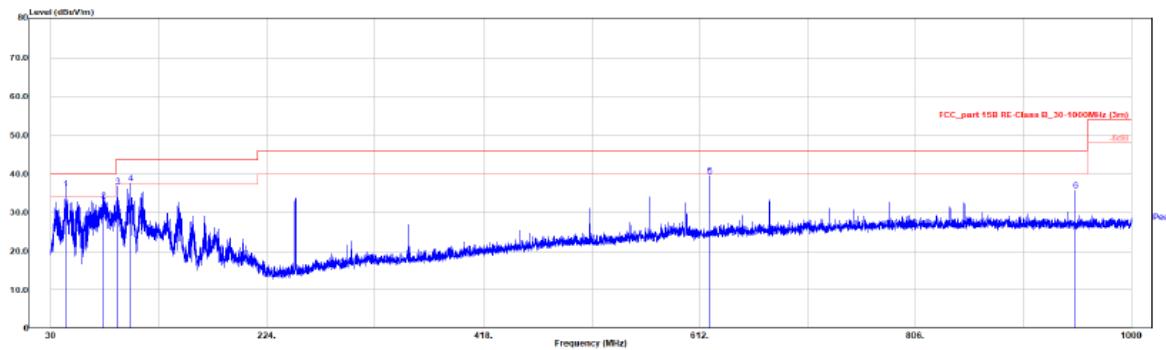
Project No. : 2407S49801E-EM Temp/Humi : 22.3°C/58%  
Test Mode : Video call Tested by : Toby Chen



Freq MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Pol	Remark
101.877	45.65	-14.41	31.24	43.50	12.26	Horizontal	QP
249.996	45.85	-11.41	34.44	46.00	11.56	Horizontal	QP
566.992	34.02	-2.46	31.56	46.00	14.44	Horizontal	QP
621.021	37.44	-1.57	35.87	46.00	10.13	Horizontal	QP
850.038	30.82	1.94	32.76	46.00	13.24	Horizontal	QP
950.142	31.80	3.14	34.94	46.00	11.06	Horizontal	QP

Date: 2024-05-22 time: 13:14:11

Project No. : 2407S49801E-EM Temp/Humi : 22.3°C/58%  
Test Mode : Video call Tested by : Toby Chen



Freq MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Pol	Remark
43.813	50.75	-14.46	36.29	40.00	3.71	Vertical	QP
77.200	50.27	-17.14	33.13	40.00	6.87	Vertical	QP
90.334	53.73	-17.00	36.73	43.50	6.77	Vertical	QP
101.877	52.00	-14.41	37.59	43.50	5.91	Vertical	QP
621.021	41.04	-1.57	39.47	46.00	6.53	Vertical	QP
950.045	32.53	3.14	35.67	46.00	10.33	Vertical	QP

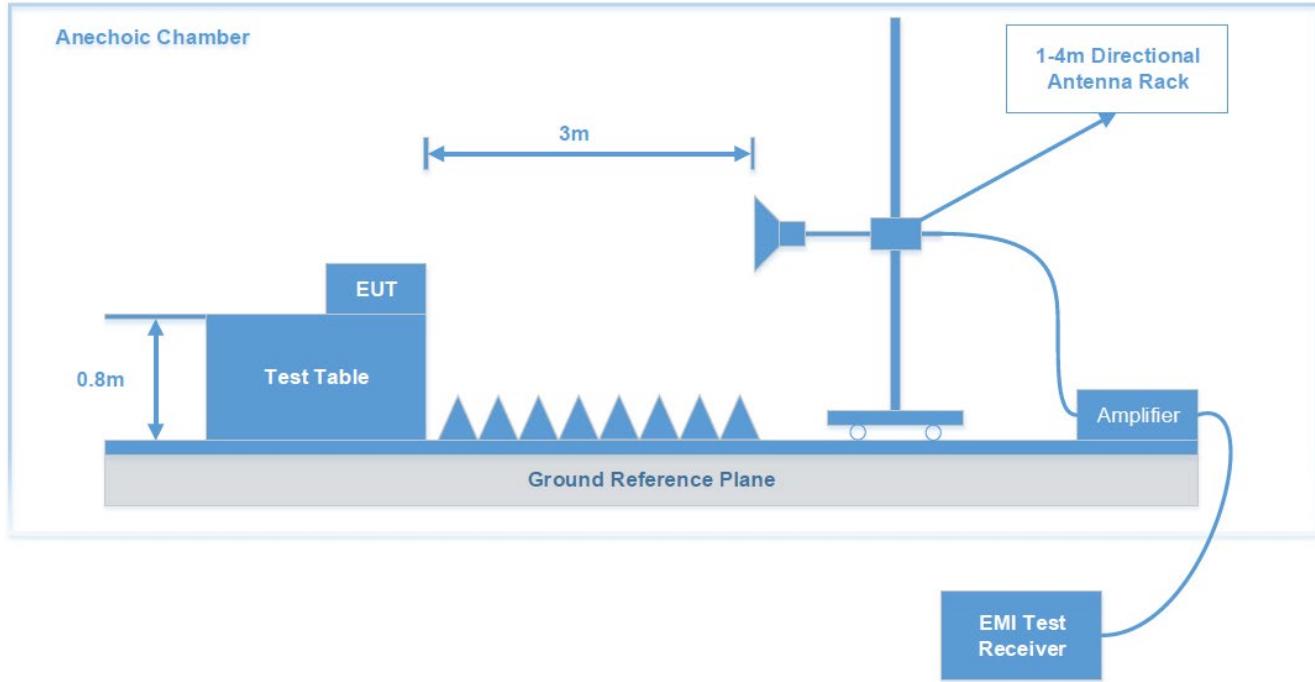
## FCC §15.109 - RADIATED EMISSIONS IN FREQUENCY ABOVE 1GHz

### Applicable Standard

FCC §15.109

### Test System Setup

Above 1 GHz:



The radiated emission tests were performed in the 3 meters chamber test site, using the setup accordance with the ANSI C63.4-2014. The specification used was the FCC Part 15.109 Class B limits.

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 system was investigated from 1 GHz to 7.5 GHz.

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

Frequency Range	RBW	VBW	Detector
Above 1 GHz	1 MHz	10Hz	AV
	1 MHz	3MHz	PK

## Test Procedure

Maximizing procedure was performed on the six (6) highest emissions to ensure that the EUT complied with all installation combinations.

If the measured peak level of the emissions that the measuring receiver reading level plus corrected factor is at least 6 dB below the QP emission limit, there's no need to record the measured QP level of the emissions in the report.

## Level & Margin Calculation

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

Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - Amplifier Gain (dB)

Level (dB $\mu$ V/m) = Reading (dB $\mu$ V) + Factor (dB/m)

The “Margin” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

Margin (dB) = Limit (dB $\mu$ V/m) - Level (dB $\mu$ V/m)

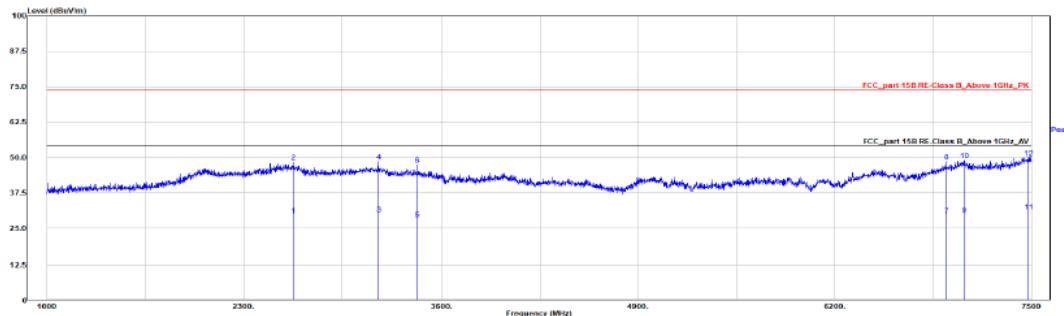
## Test Date:

<b>Frequency Range:</b>	Above 1 GHz
<b>Temperature:</b>	22.3°C
<b>Relative Humidity:</b>	58%
<b>ATM Pressure:</b>	100.9kPa
<b>Test Date:</b>	2024-8-13
<b>Test Engineer:</b>	Toby Chen

**Test Mode 1**

Date: 2024-08-13 time: 16:24:56

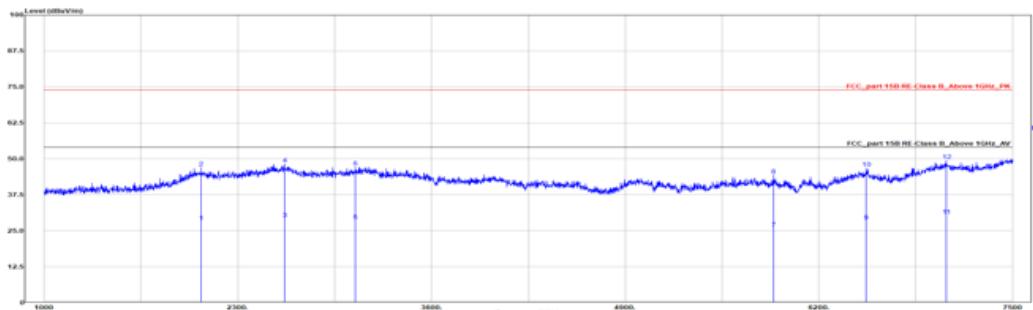
Project No. : 2407S49801E-EM Temp/Humi : 22.3 °C/58%  
Test Mode : Video call Tested by : Toby Chen



Freq MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Pol	Remark
2628.600	23.50	6.14	29.64	54.00	24.36	horizontal	Average
2628.600	42.20	6.14	48.34	74.00	25.66	horizontal	Peak
3182.800	23.84	6.19	30.03	54.00	23.97	horizontal	Average
3182.800	42.37	6.19	48.56	74.00	25.44	horizontal	Peak
3437.800	22.74	5.39	28.13	54.00	25.87	horizontal	Average
3437.800	41.93	5.39	47.32	74.00	26.68	horizontal	Peak
6939.800	20.04	9.65	29.69	54.00	24.31	horizontal	Average
6939.800	39.01	9.65	48.66	74.00	25.34	horizontal	Peak
7057.100	19.15	10.76	29.91	54.00	24.09	horizontal	Average
7057.100	38.29	10.76	49.05	74.00	24.95	horizontal	Peak
7480.400	18.86	12.04	30.90	54.00	23.10	horizontal	Average
7480.400	37.94	12.04	49.98	74.00	24.02	horizontal	Peak

Date: 2024-08-13 time: 16:29:25

Project No. : 2407S49801E-EM Temp/Humi : 22.3 °C/58%  
Test Mode : Video call Tested by : Toby Chen

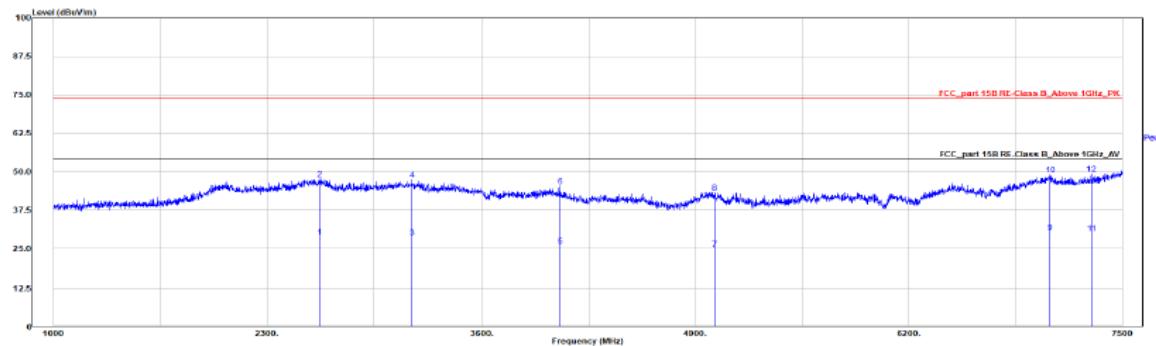


Freq MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Pol	Remark
2052.300	24.25	4.00	28.25	54.00	25.75	Vertical	Average
2052.300	43.03	4.00	47.03	74.00	26.97	Vertical	Peak
2613.300	23.02	6.16	29.18	54.00	24.82	Vertical	Average
2613.300	42.14	6.16	48.30	74.00	25.70	Vertical	Peak
3087.600	22.48	5.96	28.44	54.00	25.56	Vertical	Average
3087.600	41.18	5.96	47.14	74.00	26.86	Vertical	Peak
5894.300	20.53	5.31	25.84	54.00	28.16	Vertical	Average
5894.300	39.05	5.31	44.36	74.00	29.64	Vertical	Peak
6518.200	20.96	7.43	28.39	54.00	25.61	Vertical	Average
6518.200	39.32	7.43	46.75	74.00	27.25	Vertical	Peak
7053.700	19.46	10.78	30.24	54.00	23.76	Vertical	Average
7053.700	38.67	10.78	49.45	74.00	24.55	Vertical	Peak

**Test Mode 2**

Date: 2024-08-13 time: 17:08:13

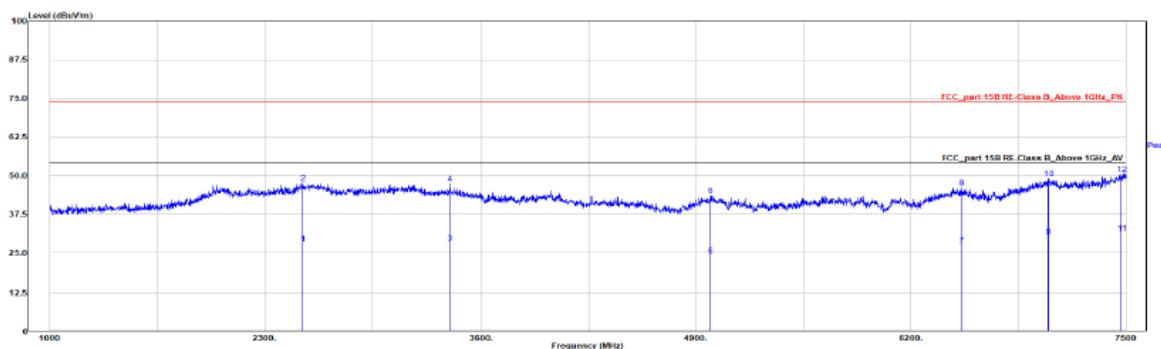
Project No. : 2407S49801E-EM Temp/Humi : 22.3 °C/58%  
Test Mode : Video call Tested by : Toby Chen



Freq MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Pol	Remark
2616.700	22.62	6.16	28.78	54.00	25.22	horizontal	Average
2616.700	41.52	6.16	47.68	74.00	26.32	horizontal	Peak
3176.000	22.42	6.19	28.61	54.00	25.39	horizontal	Average
3176.000	41.22	6.19	47.41	74.00	26.59	horizontal	Peak
4077.000	21.15	4.68	25.83	54.00	28.17	horizontal	Average
4077.000	40.63	4.68	45.31	74.00	28.69	horizontal	Peak
5017.100	20.96	3.95	24.91	54.00	29.09	horizontal	Average
5017.100	39.32	3.95	43.27	74.00	30.73	horizontal	Peak
7060.500	19.45	10.74	30.19	54.00	23.81	horizontal	Average
7060.500	38.26	10.74	49.00	74.00	25.00	horizontal	Peak
7310.400	19.07	10.92	29.99	54.00	24.01	horizontal	Average
7310.400	38.25	10.92	49.17	74.00	24.83	horizontal	Peak

Date: 2024-08-13 time: 17:15:21

Project No. : 2407S49801E-EM Temp/Humi : 22.3 °C/58%  
Test Mode : Video call Tested by : Toby Chen



Freq MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Pol	Remark
2533.400	22.15	5.79	27.94	54.00	26.06	vertical	Average
2533.400	41.75	5.79	47.54	74.00	26.46	vertical	Peak
3412.300	22.76	5.46	28.22	54.00	25.78	vertical	Average
3412.300	41.83	5.46	47.29	74.00	26.71	vertical	Peak
4989.900	20.02	3.93	23.95	54.00	30.05	vertical	Average
4989.900	39.71	3.93	43.64	74.00	30.36	vertical	Peak
6508.000	19.90	7.44	27.34	54.00	26.66	vertical	Average
6508.000	38.66	7.44	46.10	74.00	27.90	vertical	Peak
7029.900	19.93	10.41	30.34	54.00	23.66	vertical	Average
7029.900	38.69	10.41	49.10	74.00	24.90	vertical	Peak
7475.300	19.25	12.02	31.27	54.00	22.73	vertical	Average
7475.300	38.41	12.02	50.43	74.00	23.57	vertical	Peak

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## **EXHIBIT A - EUT PHOTOGRAPHS**

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Please refer to the attachment 2407S49081E-EM-EXP EUT External photos and 2407S49081E-EM-INP EUT Internal photos.

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## **EXHIBIT B - TEST SETUP PHOTOGRAPHS**

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Please refer to the attachment 2407S49081E-EM-TSP Test Setup Photos.

## Declarations

1. Bay Area Compliance Laboratories Corp. (Xiamen) is not responsible for authenticity of any information provided by the applicant. Information from the applicant that may affect test results are marked with an asterisk “★”.
2. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested.
3. Unless required by the rule provided by the applicant or product regulations, then decision rule in this report did not consider the uncertainty.
4. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor  $k=2$  with the 95 % confidence interval.
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6. 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.

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