

TEST REPORT

Applicant: Dongguan MeiYin keji Co., LTD.

Address: Room 1004, No.3, Lane 6, Minchang Road, Nanzha, Humen Town, Dongguan City, Guangdong Province, China

Product Name: Karaoke machine(Bluetooth speaker)

Model: K9-M

FCC ID: 2BKSF-K9M

FCC PART 15B

Standard(s): ICES-003, ISSUE 7, OCTOBER 2020
ANSI C63.4-2014

Report Number: 2402X93943E-RF-00B

Report Date: 2024/10/22

The above device has been tested and found compliant with the requirement of the relative standards by Bay Area Compliance Laboratories Corp. (Dongguan).



Reviewed By: Pedro Yun

Title: Project Engineer



Approved By: Ivan Cao

Title: EMC Manager

Bay Area Compliance Laboratories Corp. (Dongguan)
No.12, Pulong East 1st Road, Tangxia Town, Dongguan, Guangdong, China

Tel: +86-769-86858888

Fax: +86-769-86858891

www.baclcorp.com.cn

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	2402X93943E-RF-00B	Original Report	2024/10/22

1. GENERAL INFORMATION

1.1 General Description Of Equipment under Test

EUT Name:	Karaoke machine
EUT Model:	K9-M
Highest Operation Frequency:	2480MHz
Rated Input Voltage:	DC 3.7 V from Battery or DC 5V form adapter
Serial Number:	2RCX-1
EUT Received Date:	2024/9/6
EUT Received Status:	Good
Note: There are two prototypes, one with a yellow handle, the other with a black handle, they are electrically identical. The report only test the EUT which with a yellow handle.	

1.2 Accessory Information

Accessory Description	Manufacturer	Model	Parameters
/	/	/	/

1.3 Equipment Modifications

No modifications are made to the EUT during all test items.

2. DESCRIPTION OF TEST CONFIGURATION

2.1 Description of Test Configuration

The system was configured for testing in a typical fashion (as normally used by a typical user). The following summary table is showing all test modes to demonstrate in compliance with the standard:

Test Items	Test Modes
Radiated Spurious Emission :	M1: Charging +AUX Playing + Wired Microphone input& Bluetooth Wireless Microphone input M2: Charging +TF Card Playing +Wired Microphone input& Bluetooth Wireless Microphone input M3: Charging +USB flash drive playback + Wired Microphone input& Bluetooth Wireless Microphone input M4: Charging +FM Receiver+ Wired Microphone input& Bluetooth Wireless Microphone input
AC Line Conducted Emission:	M1: Charging +AUX Playing + Wired Microphone input& Bluetooth Wireless Microphone input M2: Charging +TF Card Playing +Wired Microphone input& Bluetooth Wireless Microphone input M3: Charging +USB flash drive playback + Wired Microphone input& Bluetooth Wireless Microphone input M4: Charging +FM Receiver+ Wired Microphone input& Bluetooth Wireless Microphone input

2.2 EUT Exercise Software

No EUT software is used for testing.

2.3 Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
Epik	Phone	K500	SZ180322001SA
Huntkey	Adapter	HKA01105021-XE	0D1805002143
SanDisk	Micro TF Card	UHS-I-16G	9292DVDSV0XZ
SANDisk	USB Flash Disk	16G	BL201026115 B
ESIN	Wired Microphone	X7	Unknown
MeiYin	Wireless Microphone	K9-M	2RD2-1
MeiYin	Wireless Microphone	K9-M	2RD2-2
TEJIATE	Antenna	SMA	Unknown
Agilent	MXG Vector Signal Generator	N5182B	MY51350142

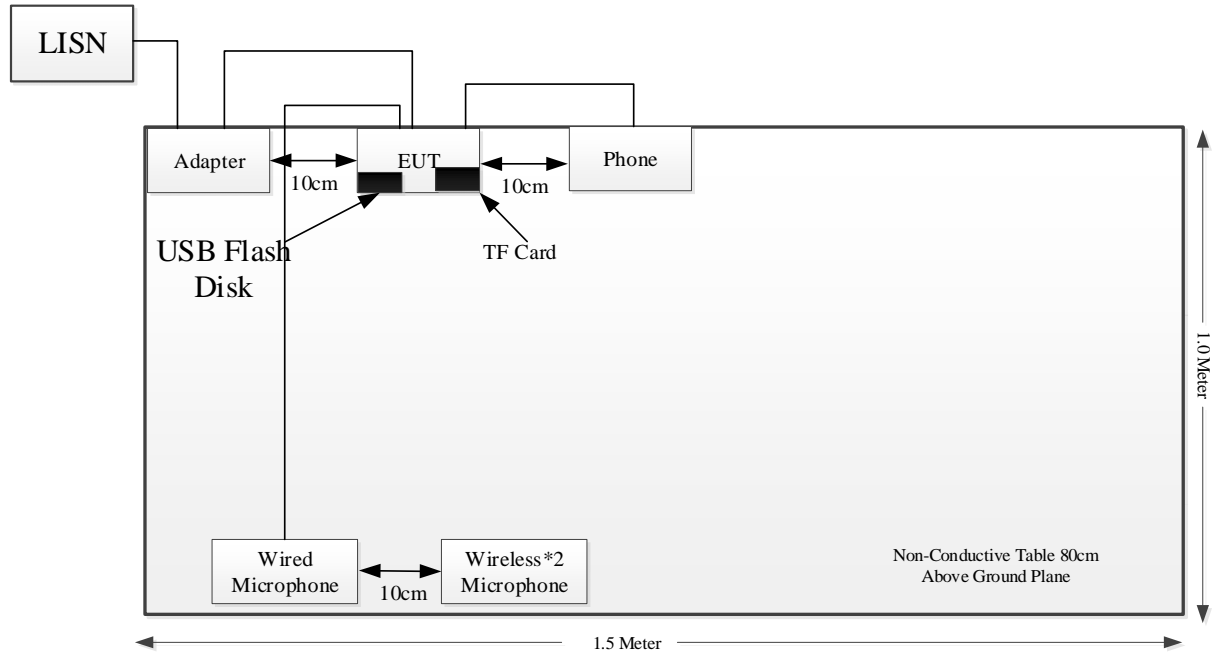
2.4 Support Cable List and Details

Cable Description	Shielding Cable	Ferrite Core	Length (m)	From Port	To
Power Cable	NO	NO	1.2	Adapter	EUT
Audio Cable	NO	1.0	1.5	Wired Microphone	EUT
AUX Cable	NO	NO	1.0	Phone	EUT
Antenna Cable	NO	No	3	N5182B	Antenna

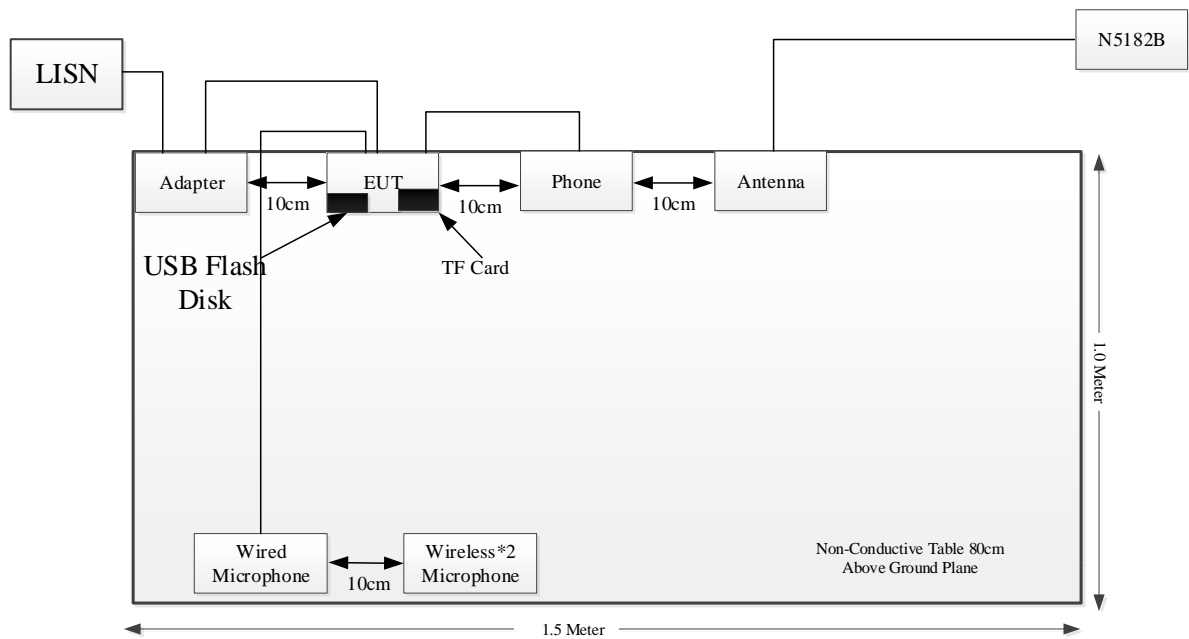
2.5 Block Diagram of Test Setup

Conducted emissions:

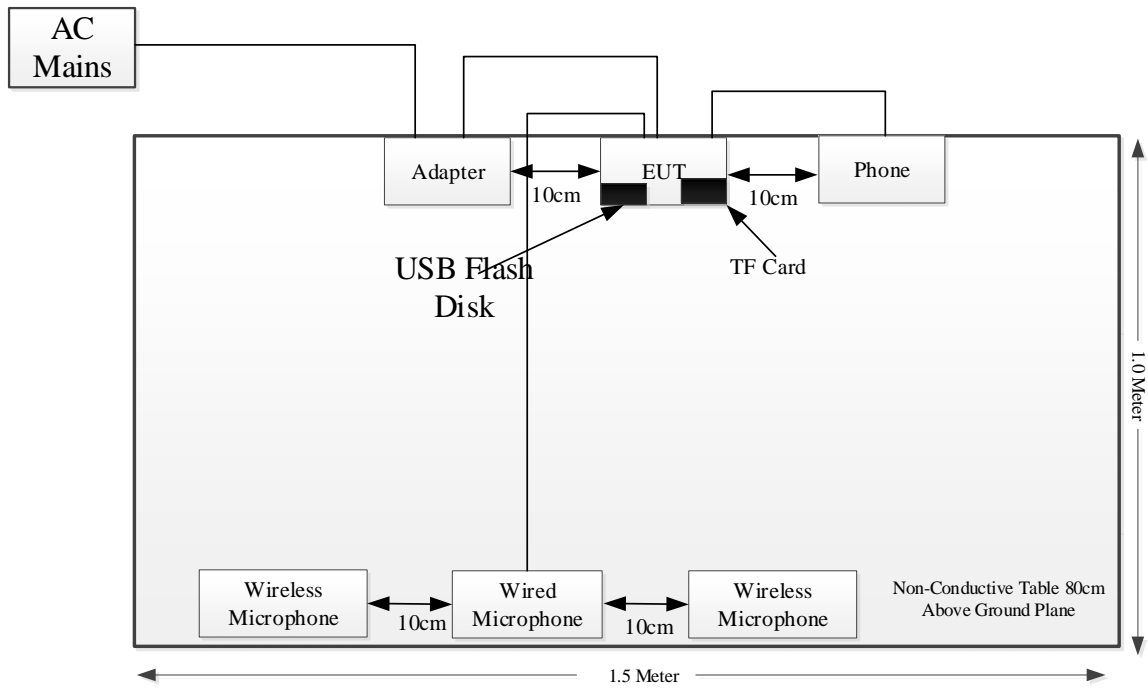
M1-M3:



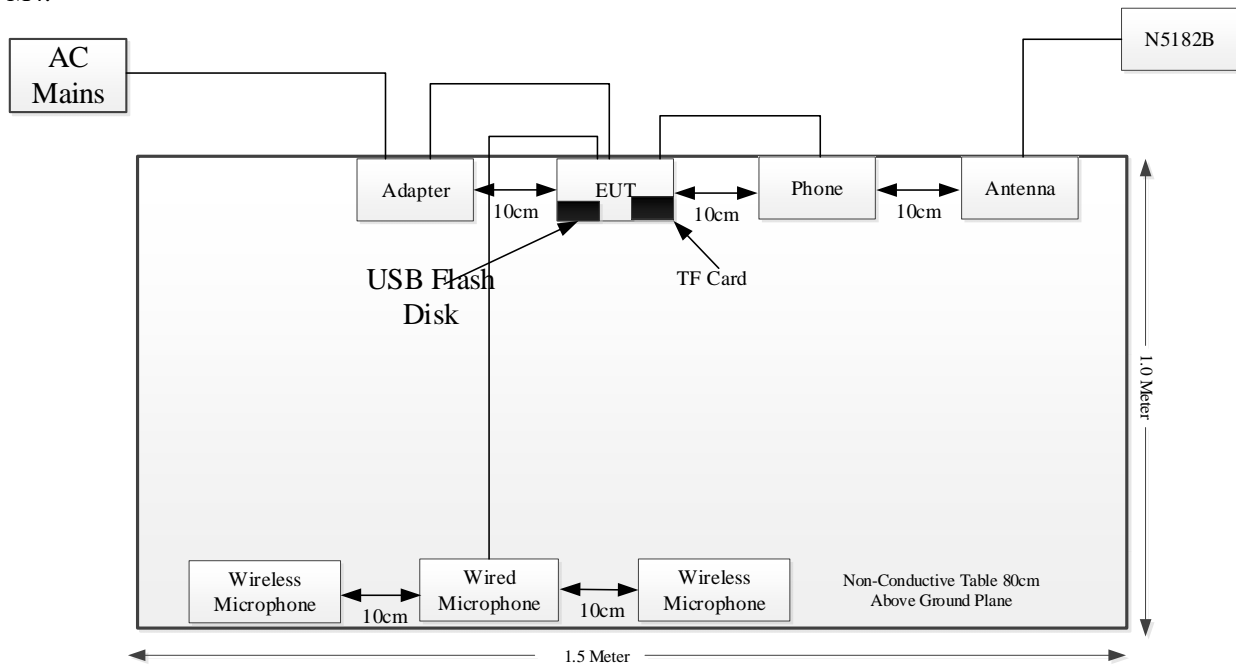
M4:



Radiated Emission:M1-M3



M4:



2.6 Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Dongguan) to collect test data is located on the No.12, Pulong East 1st Road, Tangxia Town, Dongguan, Guangdong, 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. : 829273, the FCC Designation No. : CN5044.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0022.

2.7 Measurement Uncertainty

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

Parameter	Measurement Uncertainty
Unwanted Emissions, radiated	9kHz~30MHz: 3.3dB, 30MHz~200MHz: 4.55 dB, 200MHz~1GHz: 5.92 dB, 1GHz~6GHz: 4.98 dB, 6GHz~18GHz: 5.89 dB, 18GHz~26.5GHz:5.47 dB, 26.5GHz~40GHz:5.63 dB
Temperature	$\pm 1^{\circ}\text{C}$
Humidity	$\pm 5\%$
AC Power Lines Conducted Emission	3.11 dB (150 kHz to 30 MHz)

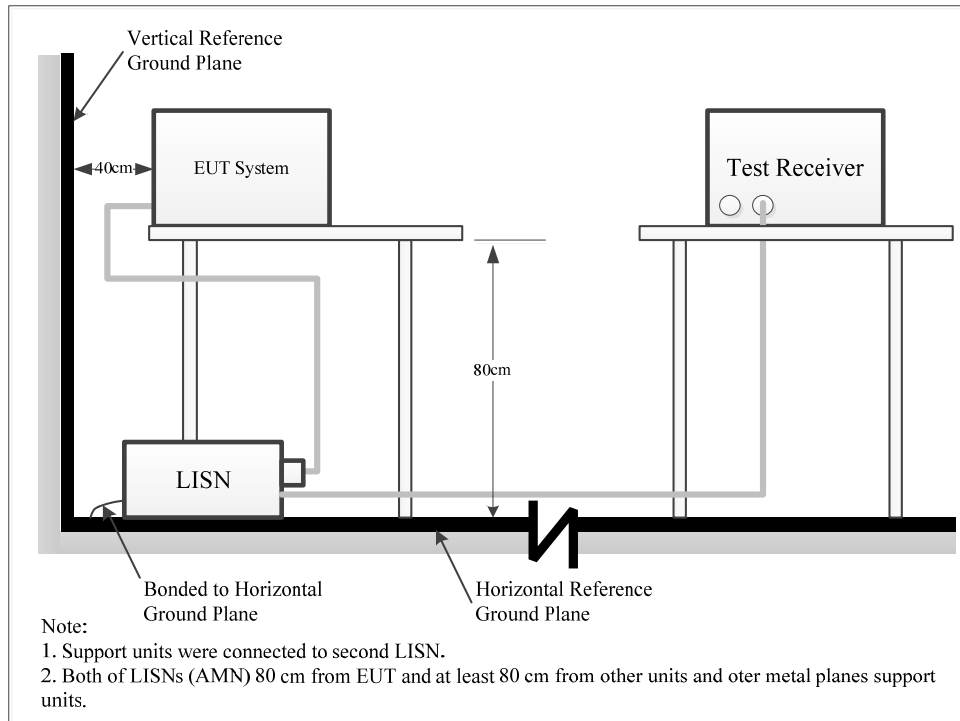
3. SUMMARY OF TEST RESULTS

Standard Clause	Description of Test	Test Result
FCC§15.107 ICES-003§3.2.1	Conducted emissions	Compliant
FCC§15.109 ICES-003§3.2.2	Radiated emissions	Compliant

4. REQUIREMENTS AND TEST PROCEDURES

4.1 AC Line Conducted Emissions

4.1.1 EUT Setup



The setup of EUT is according with per ANSI C63.4-2014 measurement procedure. The specification used was with the FCC Part 15 B and Innovation, Science and Economic Development Canada ICES-003 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.

4.1.2 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

4.1.3 Test Procedure

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

The report shall list the six emissions with the smallest margin relative to the limit, unless the margin is greater than 20 dB.

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

4.1.4 Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result (QuasiPeak or Average) = Meter Reading + Corr.

Note:

Corr. = Cable loss + Factor of coupling device

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

Margin = Limit –Result

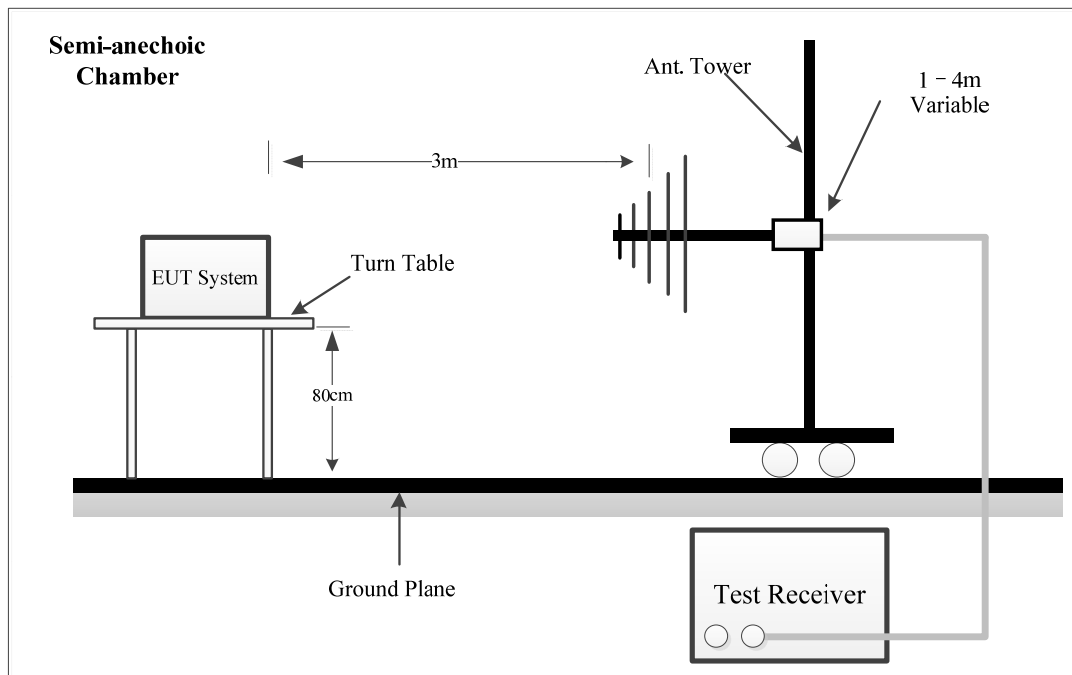
4.1.5 Test Result

Please refer to section 5.1.

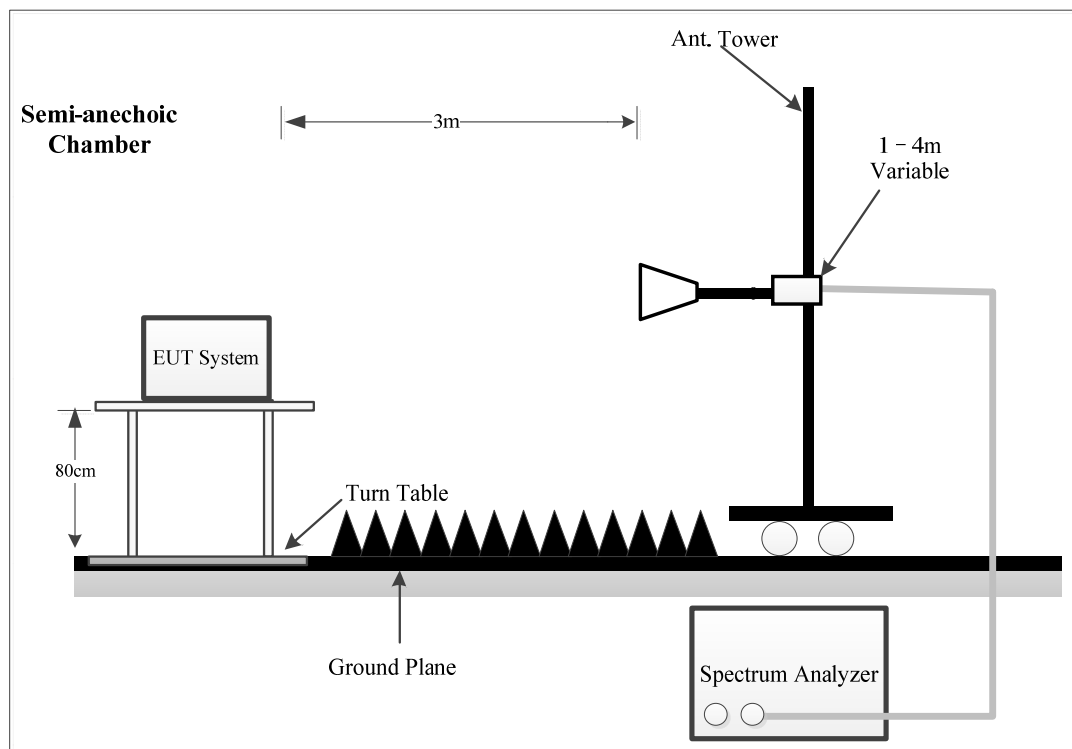
4.2 Radiation Emissions

4.2.1 EUT Setup

Below 1GHz:



Above 1GHz:



The radiated emission tests below 1GHz were performed at the 3 meters distance, above 1GHz were performed at the 3 meters Chamber B, using the setup accordance with the ANSI C63.4-2014. The specification used was the FCC Part 15B and ICES-003 Class B limits.

4.2.2 EMI Test Receiver Setup

The system was investigated from 30 MHz to 13 GHz.

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

Frequency Range	RBW	Video B/W	IF B/W	Measurement
30MHz – 1000 MHz	100 kHz	300 kHz	/	Peak
	/	/	120kHz	QP
Above 1 GHz	1 MHz	3 MHz	/	Peak
	1 MHz	3 MHz	/	AVG

4.2.3 Test Procedure

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

The data was recorded in the Quasi-peak detection mode for below 1 GHz, peak and average detection mode above 1 GHz.

If the maximized peak measured value complies with under the QP limit more than 6dB, then it is unnecessary to perform an QP measurement.

4.2.4 Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result = Meter Reading+ Corrected

Note:

Corrected = Antenna Factor + Cable Loss - Amplifier Gain

or

Corrected = Antenna Factor + Cable Loss + Insertion loss of attenuator - Amplifier Gain

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

$$\text{Margin} = \text{Limit} - \text{Result}$$

5. TEST DATA AND RESULTS

5.1 AC Line Conducted Emissions

Serial Number:	2RCX-1	Test Date:	2024/9/29
Test Site:	CE	Test Mode:	M1~ M4
Tester:	Yukin Qiu	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	26.7	Relative Humidity: (%)	68	ATM Pressure: (kPa)	100.4
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	LISN	ENV216	101614	2023/10/18	2024/10/17
MICRO-COAX	Coaxial Cable	C-NJNJ-50	C-0200-01	2024/9/5	2025/9/4
R&S	EMI Test Receiver	ESCI	100035	2024/8/26	2025/8/25
Audix	Test Software	E3	191218 V9	N/A	N/A

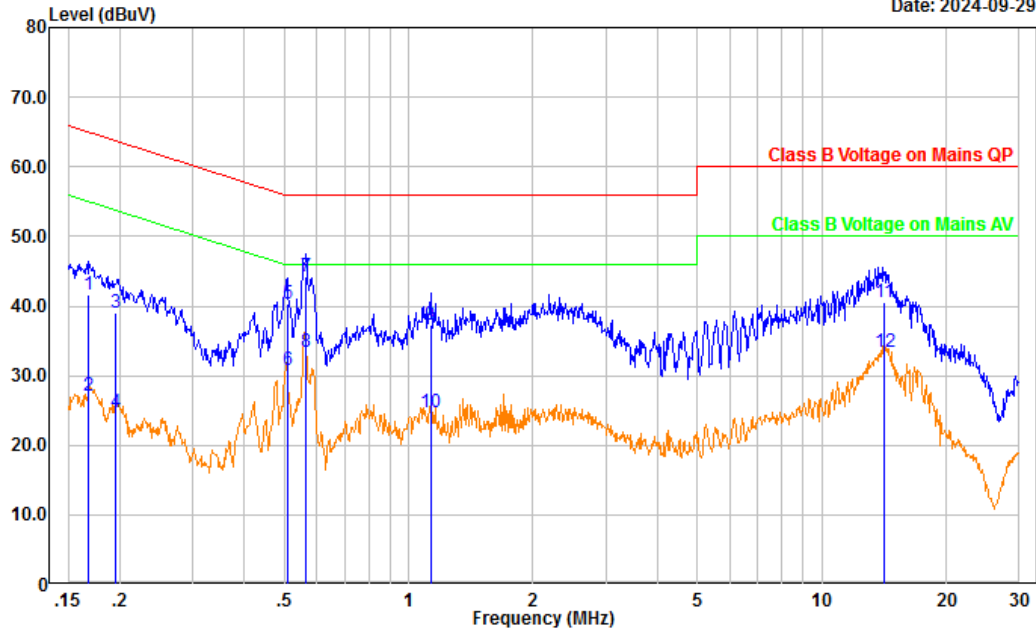
* Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

M 1

Project No.: 2402X93943E-RF
Port: Line
Test Mode: M1
Note:

Serial No.: 2RCX-1
Tester: Yukin Qiu

Date: 2024-09-29



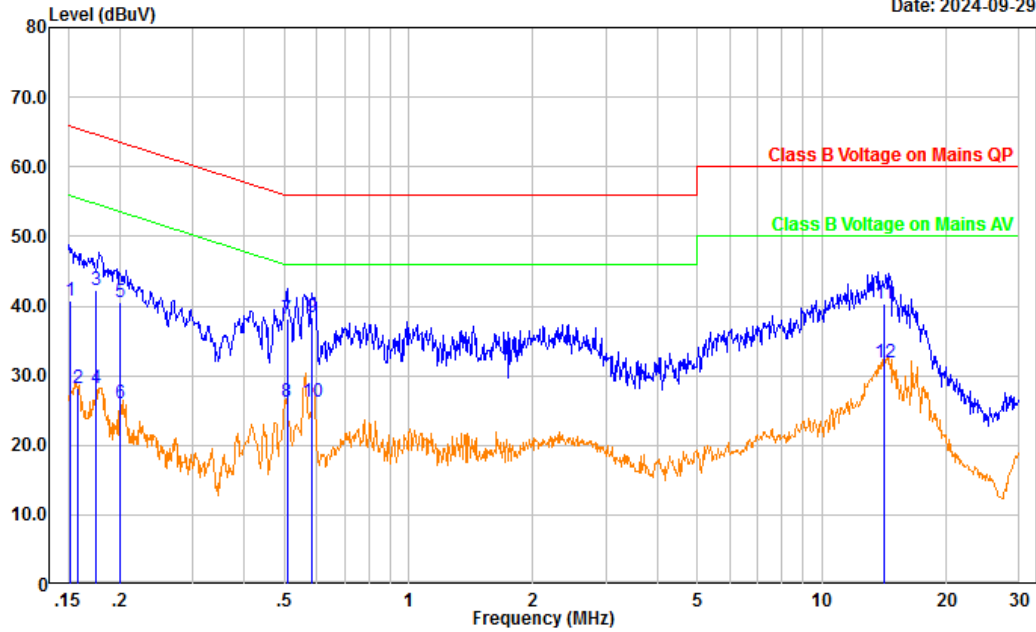
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector

1	0.168	30.82	10.79	41.61	65.04	23.43	QP
2	0.168	16.31	10.79	27.10	55.04	27.94	Average
3	0.196	28.22	10.84	39.06	63.79	24.73	QP
4	0.196	13.83	10.84	24.67	53.79	29.12	Average
5	0.508	29.58	10.84	40.42	56.00	15.58	QP
6	0.508	19.93	10.84	30.77	46.00	15.23	Average
7	0.566	33.46	10.83	44.29	56.00	11.71	QP
8	0.566	22.58	10.83	33.41	46.00	12.59	Average
9	1.129	26.52	10.85	37.37	56.00	18.63	QP
10	1.129	13.95	10.85	24.80	46.00	21.20	Average
11	14.104	29.77	10.84	40.61	60.00	19.39	QP
12	14.104	22.57	10.84	33.41	50.00	16.59	Average

Project No.: 2402X93943E-RF
Port: neutral
Test Mode: M1
Note:

Serial No.: 2RCX-1
Tester: Yukin Qiu

Date: 2024-09-29



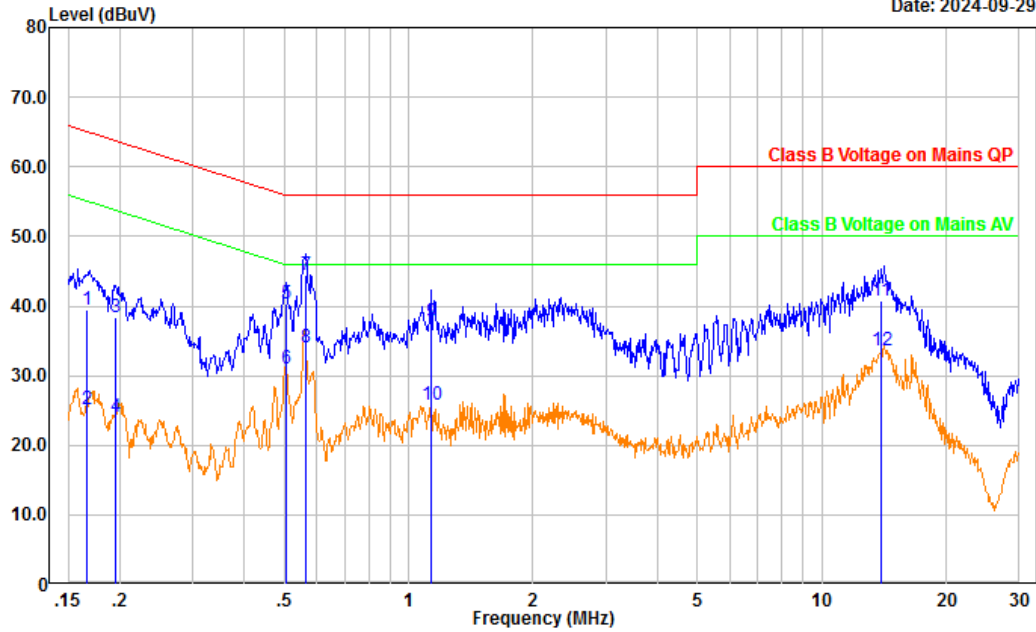
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.152	29.92	10.85	40.77	65.90	25.13	QP
2	0.159	17.28	10.85	28.13	55.53	27.40	Average
3	0.175	31.52	10.85	42.37	64.74	22.37	QP
4	0.175	17.34	10.85	28.19	54.74	26.55	Average
5	0.200	29.70	10.85	40.55	63.60	23.05	QP
6	0.200	15.16	10.85	26.01	53.60	27.59	Average
7	0.508	27.37	10.74	38.11	56.00	17.89	QP
8	0.508	15.44	10.74	26.18	46.00	19.82	Average
9	0.583	27.64	10.72	38.36	56.00	17.64	QP
10	0.583	15.54	10.72	26.26	46.00	19.74	Average
11	14.107	29.40	10.86	40.26	60.00	19.74	QP
12	14.107	20.91	10.86	31.77	50.00	18.23	Average

M2

Project No.: 2402X93943E-RF
Port: Line
Test Mode: M2
Note:

Serial No.: 2RCX-1
Tester: Yukin Qiu

Date: 2024-09-29

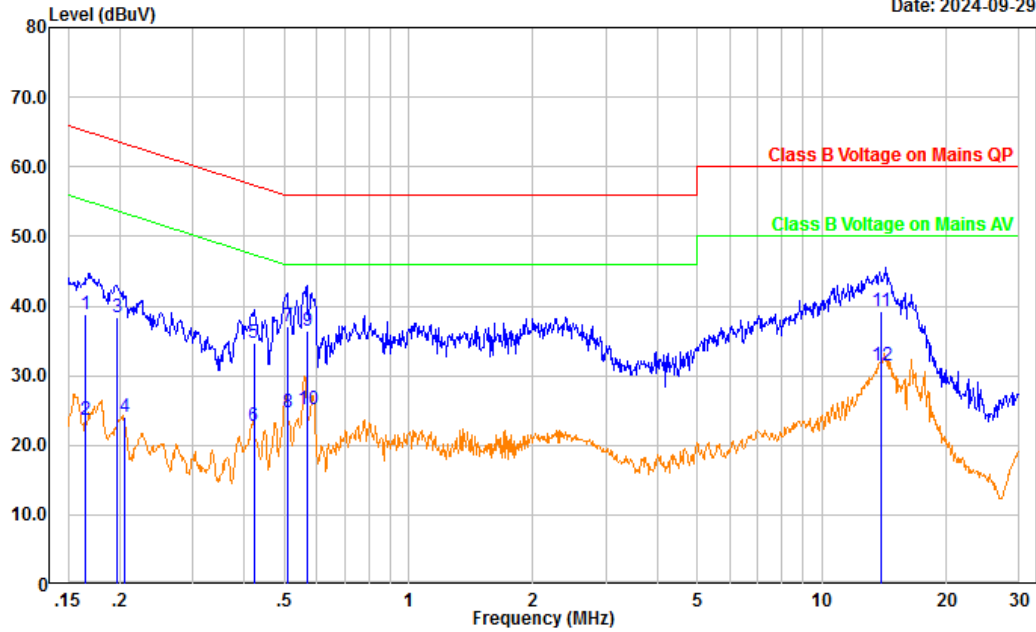


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.166	28.76	10.78	39.54	65.15	25.61	QP
2	0.166	14.34	10.78	25.12	55.15	30.03	Average
3	0.195	27.62	10.84	38.46	63.81	25.35	QP
4	0.195	13.29	10.84	24.13	53.81	29.68	Average
5	0.506	29.58	10.84	40.42	56.00	15.58	QP
6	0.506	20.13	10.84	30.97	46.00	15.03	Average
7	0.565	33.62	10.83	44.45	56.00	11.55	QP
8	0.565	23.24	10.83	34.07	46.00	11.93	Average
9	1.131	26.98	10.85	37.83	56.00	18.17	QP
10	1.131	15.03	10.85	25.88	46.00	20.12	Average
11	13.912	29.84	10.84	40.68	60.00	19.32	QP
12	13.912	22.76	10.84	33.60	50.00	16.40	Average

Project No.: 2402X93943E-RF
Port: neutral
Test Mode: M2
Note:

Serial No.: 2RCX-1
Tester: Yukin Qiu

Date: 2024-09-29



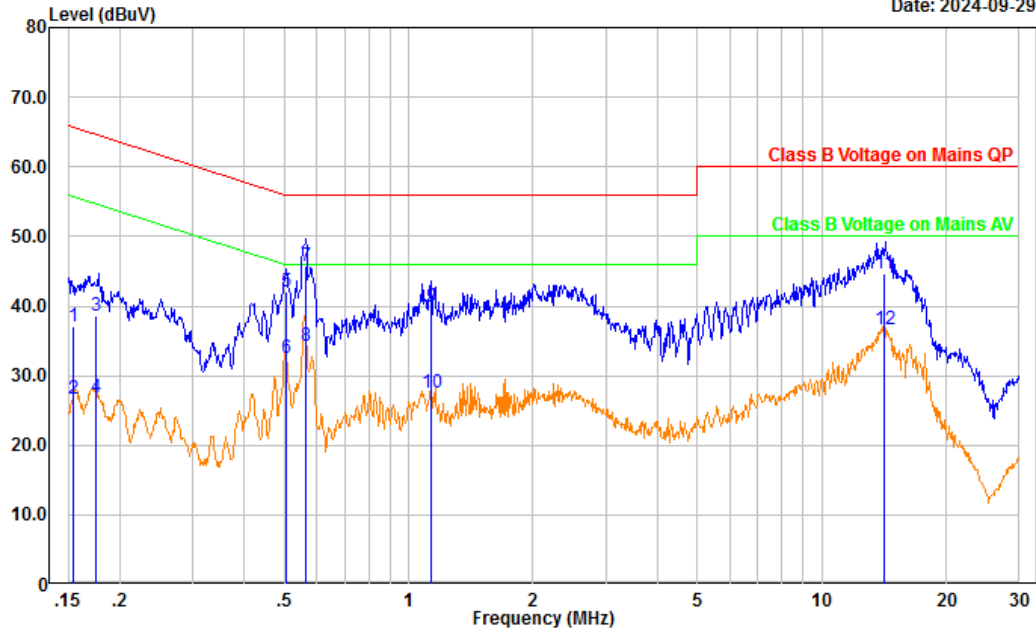
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.166	27.96	10.85	38.81	65.18	26.37	QP
2	0.166	12.77	10.85	23.62	55.18	31.56	Average
3	0.197	27.50	10.85	38.35	63.75	25.40	QP
4	0.205	13.15	10.85	24.00	53.41	29.41	Average
5	0.422	24.00	10.77	34.77	57.41	22.64	QP
6	0.422	11.92	10.77	22.69	47.41	24.72	Average
7	0.510	26.43	10.74	37.17	56.00	18.83	QP
8	0.510	14.02	10.74	24.76	46.00	21.24	Average
9	0.568	25.71	10.73	36.44	56.00	19.56	QP
10	0.568	14.37	10.73	25.10	46.00	20.90	Average
11	13.870	28.46	10.86	39.32	60.00	20.68	QP
12	13.870	20.64	10.86	31.50	50.00	18.50	Average

M3

Project No.: 2402X93943E-RF
Port: Line
Test Mode: M3
Note:

Serial No.: 2RCX-1
Tester: Yukin Qiu

Date: 2024-09-29

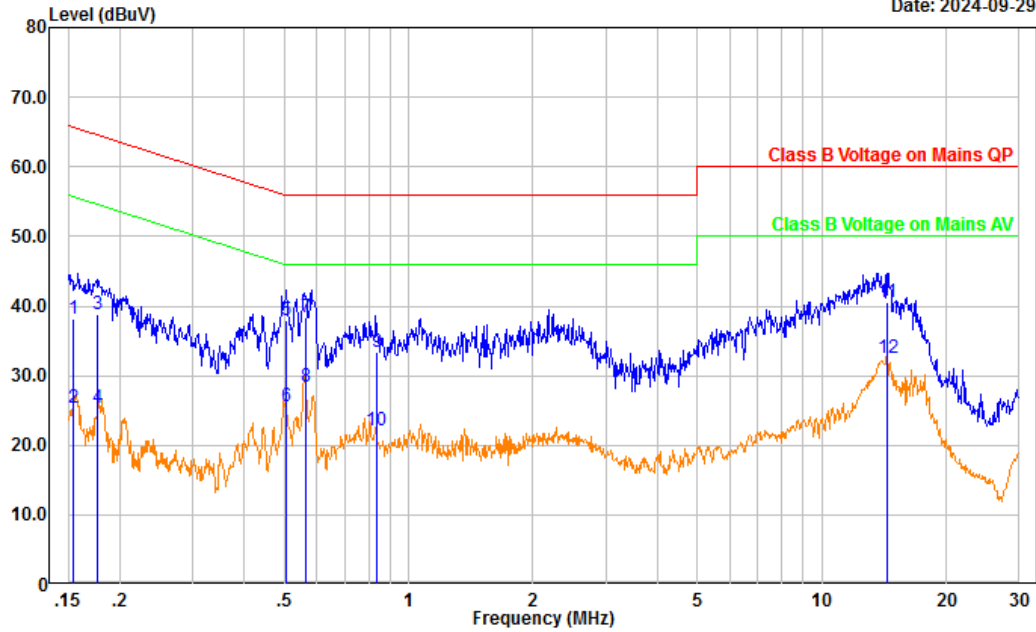


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.155	26.23	10.76	36.99	65.75	28.76	QP
2	0.155	15.99	10.76	26.75	55.75	29.00	Average
3	0.176	27.88	10.80	38.68	64.69	26.01	QP
4	0.176	16.01	10.80	26.81	54.69	27.88	Average
5	0.506	31.23	10.84	42.07	56.00	13.93	QP
6	0.506	21.72	10.84	32.56	46.00	13.44	Average
7	0.566	34.86	10.83	45.69	56.00	10.31	QP
8	0.566	23.53	10.83	34.36	46.00	11.64	Average
9	1.130	28.95	10.85	39.80	56.00	16.20	QP
10	1.130	16.70	10.85	27.55	46.00	18.45	Average
11	14.135	33.79	10.84	44.63	60.00	15.37	QP
12	14.135	25.82	10.84	36.66	50.00	13.34	Average

Project No.: 2402X93943E-RF
Port: neutral
Test Mode: M3
Note:

Serial No.: 2RCX-1
Tester: Yukin Qiu

Date: 2024-09-29



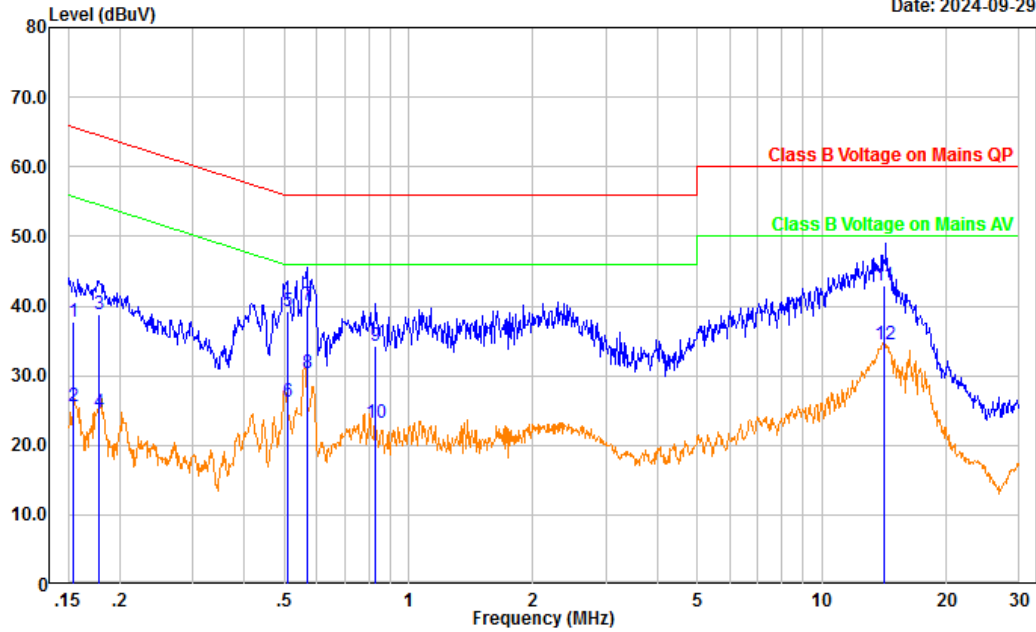
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.154	27.37	10.85	38.22	65.79	27.57	QP
2	0.154	14.42	10.85	25.27	55.79	30.52	Average
3	0.177	28.02	10.85	38.87	64.65	25.78	QP
4	0.177	14.51	10.85	25.36	54.65	29.29	Average
5	0.506	27.19	10.74	37.93	56.00	18.07	QP
6	0.506	14.75	10.74	25.49	46.00	20.51	Average
7	0.566	27.72	10.73	38.45	56.00	17.55	QP
8	0.566	17.63	10.73	28.36	46.00	17.64	Average
9	0.834	22.60	10.79	33.39	56.00	22.61	QP
10	0.834	11.28	10.79	22.07	46.00	23.93	Average
11	14.347	29.68	10.86	40.54	60.00	19.46	QP
12	14.347	21.64	10.86	32.50	50.00	17.50	Average

M 4

Project No.: 2402X93943E-RF
Port: Line
Test Mode: M4
Note:

Serial No.: 2RCX-1
Tester: Yukin Qiu

Date: 2024-09-29

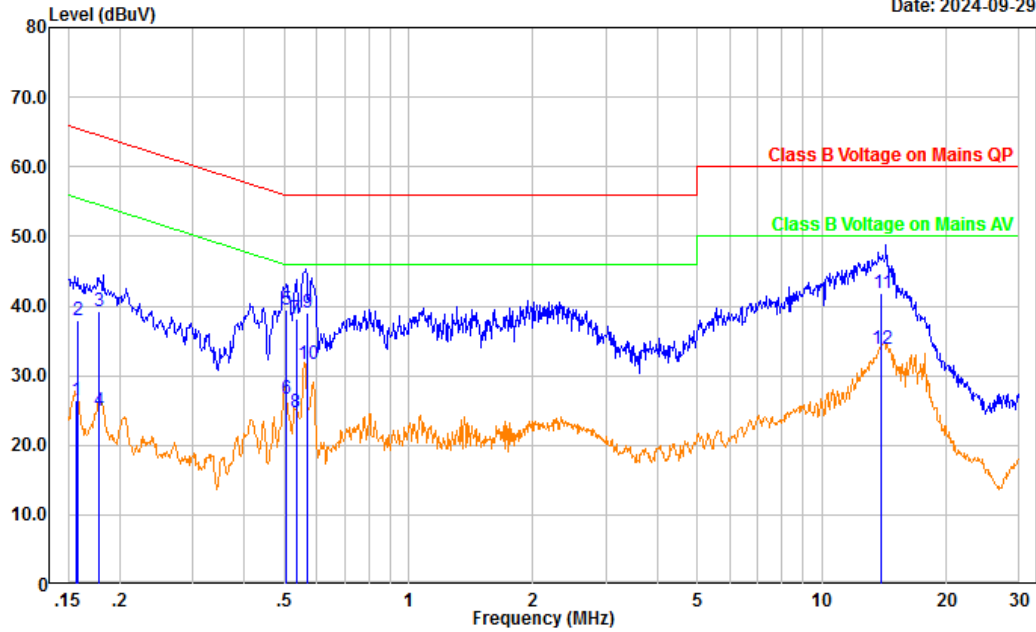


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.155	27.06	10.76	37.82	65.75	27.93	QP
2	0.155	14.77	10.76	25.53	55.75	30.22	Average
3	0.178	27.92	10.81	38.73	64.60	25.87	QP
4	0.178	13.87	10.81	24.68	54.60	29.92	Average
5	0.509	28.33	10.84	39.17	56.00	16.83	QP
6	0.509	15.35	10.84	26.19	46.00	19.81	Average
7	0.567	29.22	10.83	40.05	56.00	15.95	QP
8	0.567	19.54	10.83	30.37	46.00	15.63	Average
9	0.830	23.49	10.85	34.34	56.00	21.66	QP
10	0.830	12.35	10.85	23.20	46.00	22.80	Average
11	14.097	32.17	10.84	43.01	60.00	16.99	QP
12	14.097	23.72	10.84	34.56	50.00	15.44	Average

Project No.: 2402X93943E-RF
Port: neutral
Test Mode: M4
Note:

Serial No.: 2RCX-1
Tester: Yukin Qiu

Date: 2024-09-29



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.157	15.68	10.85	26.53	55.64	29.11	Average
2	0.159	27.15	10.85	38.00	65.54	27.54	QP
3	0.178	28.46	10.85	39.31	64.59	25.28	QP
4	0.178	14.06	10.85	24.91	54.59	29.68	Average
5	0.506	28.65	10.74	39.39	56.00	16.61	QP
6	0.506	15.98	10.74	26.72	46.00	19.28	Average
7	0.534	27.50	10.73	38.23	56.00	17.77	QP
8	0.534	14.09	10.73	24.82	46.00	21.18	Average
9	0.568	28.38	10.73	39.11	56.00	16.89	QP
10	0.568	20.83	10.73	31.56	46.00	14.44	Average
11	13.948	30.91	10.86	41.77	60.00	18.23	QP
12	13.948	23.02	10.86	33.88	50.00	16.12	Average

5.2 Radiation Emissions

Serial Number:	2RCX-1	Test Date:	2024/10/17
Test Site:	Chamber10m, Chamber B	Test Mode:	M1~ M4
Tester:	Leesin Xiang, Nat Zhou	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.9~29.9	Relative Humidity: (%)	44~53	ATM Pressure: (kPa)	101.4
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Sunol Sciences	Hybrid Antenna	JB3	A060611-1	2023/9/6	2026/9/5
Narda	Coaxial Attenuator	779-6dB	04269	2023/9/6	2026/9/5
Unknown	Coaxial Cable	C-NJNJ-50	C-1000-01	2024/7/1	2025/6/30
Unknown	Coaxial Cable	C-NJNJ-50	C-0400-04	2024/7/1	2025/6/30
Unknown	Coaxial Cable	C-NJNJ-50	C-0530-01	2024/7/1	2025/6/30
Sonoma	Amplifier	310N	185914	2024/8/26	2025/8/25
R&S	EMI Test Receiver	ESCI	100224	2024/8/26	2025/8/25
Audix	Test Software	E3	191218 V9	N/A	N/A
ETS-Lindgren	Horn Antenna	3115	000 527 35	2023/9/7	2026/9/6
Xinhang Macrowave	Coaxial Cable	XH750A-N/J-SMA/J-10M	20231117004 #0001	2023/11/17	2024/11/16
AH	Preamplifier	PAM-0118P	469	2024/4/15	2025/4/14
R&S	Spectrum Analyzer	FSV40	101944	2024/9/6	2025/9/5
Decentest	Multiplex Switch Test Control Set & Filter Switch Unit	DT7220SCU & DT7220FCU	DC79902 & DC79905	2024/8/27	2025/8/26

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

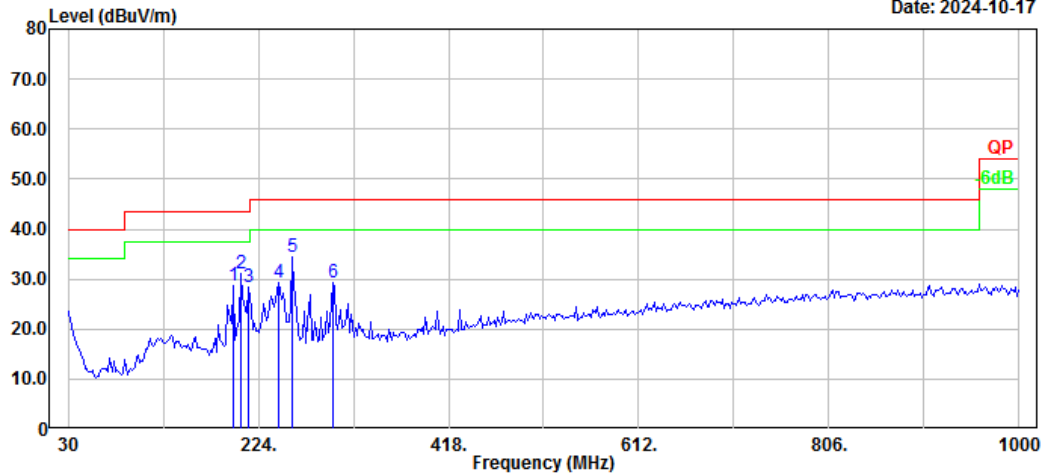
1) 30MHz-1GHz:

M1

Project No.: 2402X93943E-RF
Polarization: Horizontal
Test Mode: M1
Note:

Serial No.: 2RCX-1
Tester: Leesin Xiang

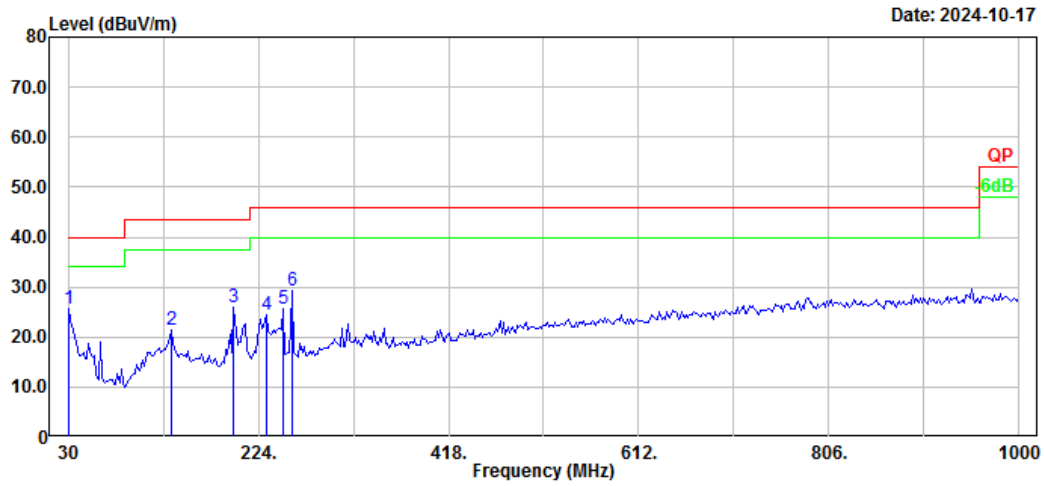
Date: 2024-10-17



No.	Frequency (MHz)	Reading (dBUV)	Factor (dB/m)	Result (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector
1	198.78	40.32	-11.60	28.72	43.50	14.78	Peak
2	206.54	43.23	-12.21	31.02	43.50	12.48	Peak
3	214.30	40.90	-12.54	28.36	43.50	15.14	Peak
4	245.34	40.75	-11.57	29.18	46.00	16.82	Peak
5	258.92	45.56	-11.15	34.41	46.00	11.59	Peak
6	299.66	38.86	-9.52	29.34	46.00	16.66	Peak

Project No.: 2402X93943E-RF
Polarization: Vertical
Test Mode: M1
Note:

Serial No.: 2RCX-1
Tester: Leesin Xiang

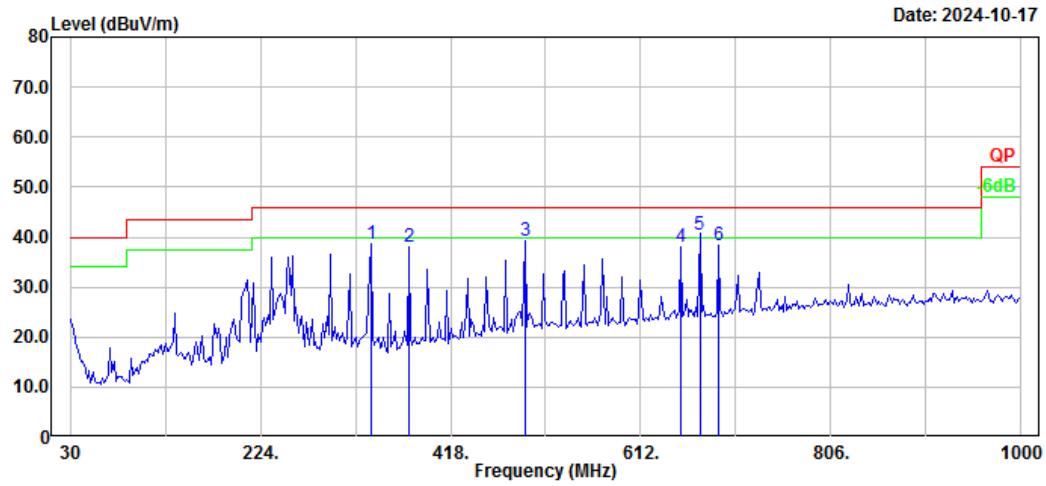


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	30.00	29.45	-3.80	25.65	40.00	14.35	Peak
2	134.76	31.52	-10.14	21.38	43.50	22.12	Peak
3	198.78	37.64	-11.60	26.04	43.50	17.46	Peak
4	231.76	36.49	-12.14	24.35	46.00	21.65	Peak
5	249.22	37.16	-11.46	25.70	46.00	20.30	Peak
6	258.92	40.58	-11.15	29.43	46.00	16.57	Peak

M2

Project No.: 2402X93943E-RF
Polarization: Horizontal
Test Mode: M2
Note:

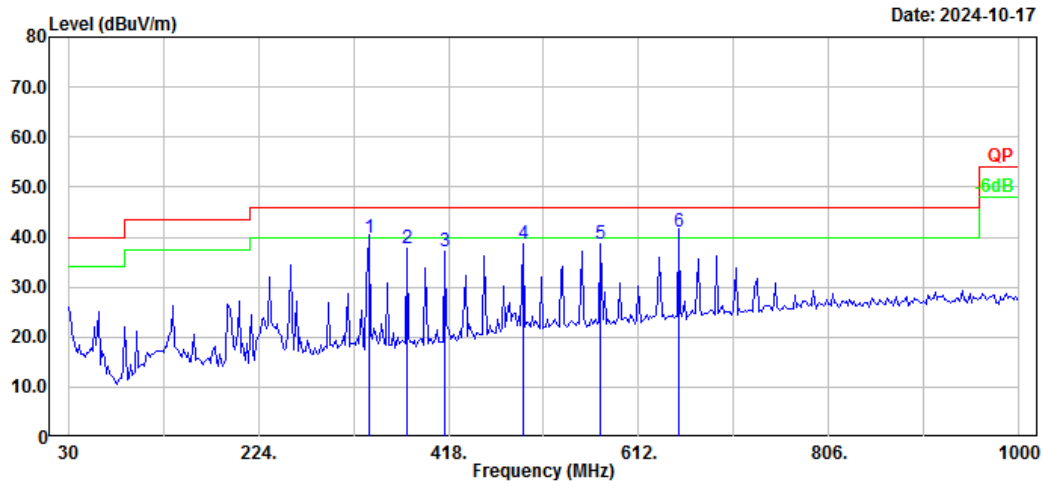
Serial No.: 2RCX-1
Tester: Leesin Xiang



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	336.52	47.55	-8.77	38.78	46.00	7.22	Peak
2	375.32	45.76	-7.79	37.97	46.00	8.03	Peak
3	493.66	43.54	-4.42	39.12	46.00	6.88	Peak
4	652.74	40.00	-1.84	38.16	46.00	7.84	Peak
5	672.14	42.00	-1.61	40.39	46.00	5.61	QP
6	691.54	39.79	-1.38	38.41	46.00	7.59	Peak

Project No.: 2402X93943E-RF
Polarization: Vertical
Test Mode: M2
Note:

Serial No.: 2RCX-1
Tester: Leesin Xiang

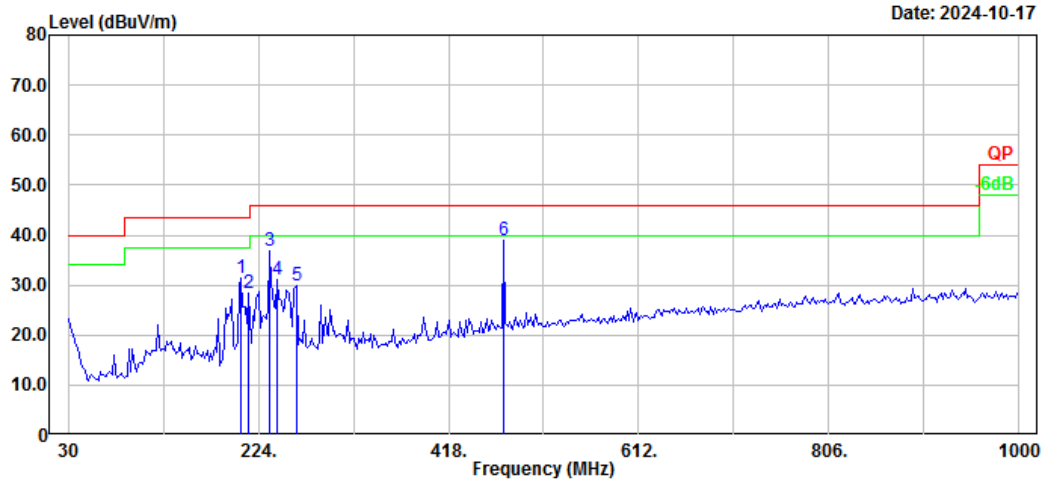


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	336.52	48.70	-8.77	39.93	46.00	6.07	QP
2	375.32	45.38	-7.79	37.59	46.00	8.41	Peak
3	414.12	43.86	-6.63	37.23	46.00	8.77	Peak
4	493.66	43.00	-4.42	38.58	46.00	7.42	Peak
5	573.20	41.69	-3.19	38.50	46.00	7.50	Peak
6	652.74	42.80	-1.84	40.96	46.00	5.04	QP

M3

Project No.: 2402X93943E-RF
Polarization: Horizontal
Test Mode: M3
Note:

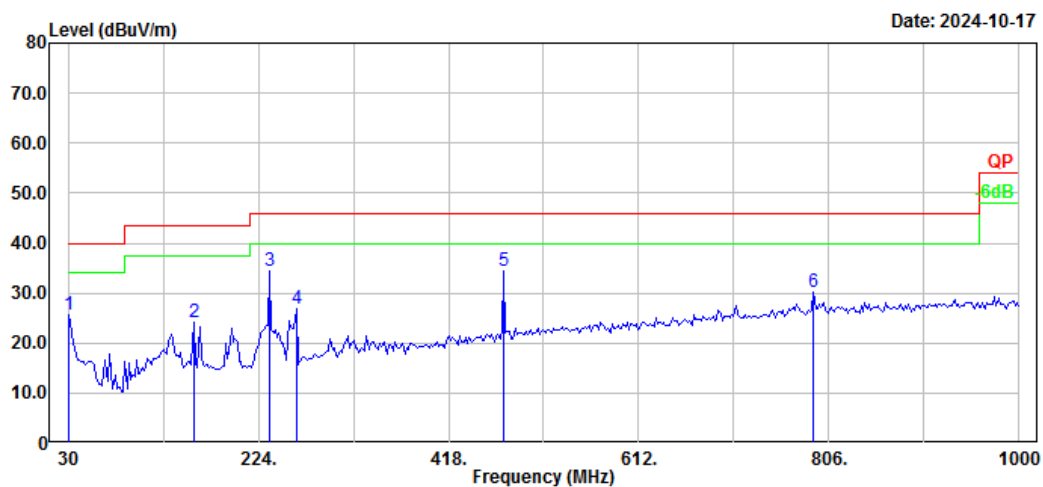
Serial No.: 2RCX-1
Tester: Leesin Xiang



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	206.54	43.74	-12.21	31.53	43.50	11.97	Peak
2	214.30	40.81	-12.54	28.27	43.50	15.23	Peak
3	235.64	48.65	-11.96	36.69	46.00	9.31	Peak
4	243.40	42.88	-11.64	31.24	46.00	14.76	Peak
5	262.80	40.60	-10.83	29.77	46.00	16.23	Peak
6	474.26	43.82	-4.84	38.98	46.00	7.02	Peak

Project No.: 2402X93943E-RF
Polarization: Vertical
Test Mode: M3
Note:

Serial No.: 2RCX-1
Tester: Leesin Xiang

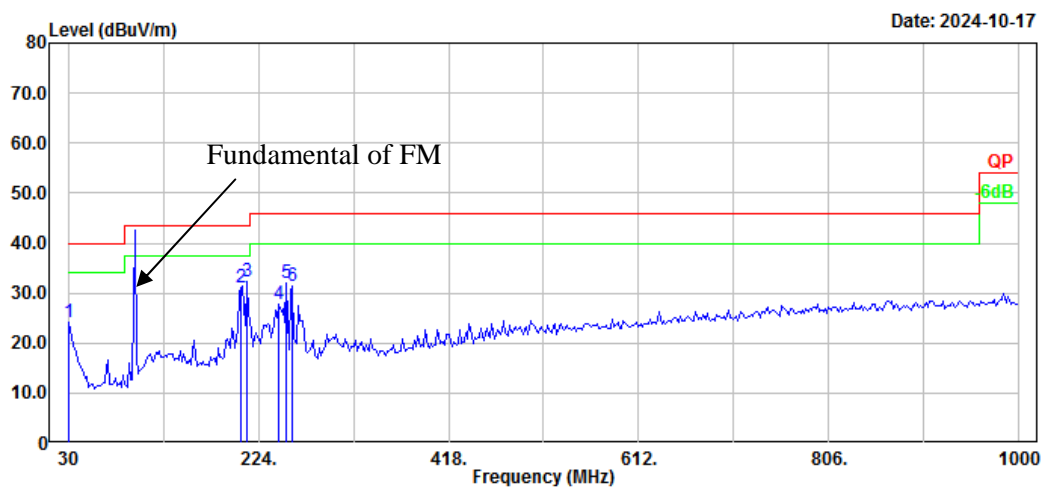


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	30.00	29.34	-3.80	25.54	40.00	14.46	Peak
2	158.04	35.15	-11.13	24.02	43.50	19.48	Peak
3	235.64	46.38	-11.96	34.42	46.00	11.58	Peak
4	262.80	37.83	-10.83	27.00	46.00	19.00	Peak
5	474.26	39.27	-4.84	34.43	46.00	11.57	Peak
6	790.48	29.96	0.30	30.26	46.00	15.74	Peak

M 4

Project No.: 2402X93943E-RF
Polarization: Horizontal
Test Mode: M4
Note:

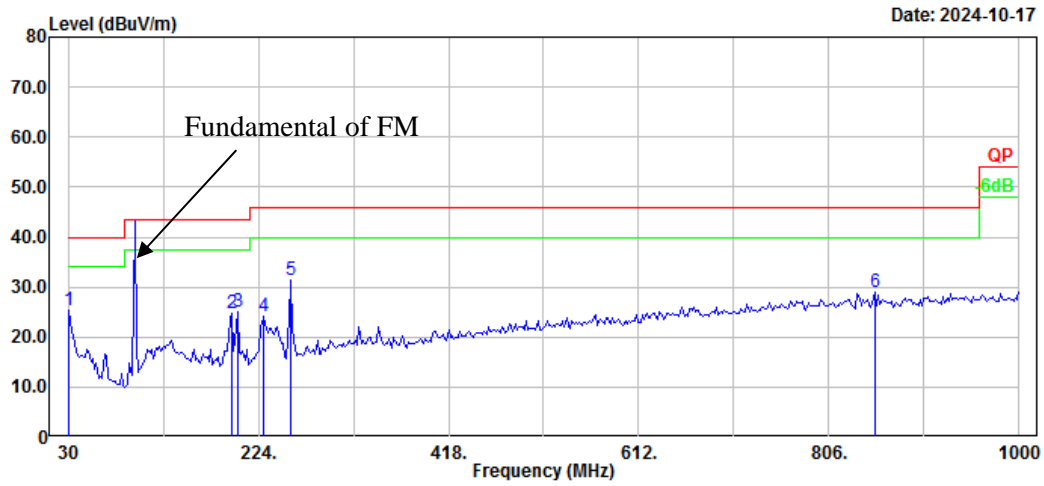
Serial No.: 2RCX-1
Tester: Leesin Xiang



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.00	28.08	-3.80	24.28	40.00	15.72	Peak
2	206.54	43.16	-12.21	30.95	43.50	12.55	Peak
3	212.36	44.96	-12.55	32.41	43.50	11.09	Peak
4	245.34	39.37	-11.57	27.80	46.00	18.20	Peak
5	253.10	43.35	-11.34	32.01	46.00	13.99	Peak
6	258.92	42.59	-11.15	31.44	46.00	14.56	Peak

Project No.: 2402X93943E-RF
Polarization: Vertical
Test Mode: M4
Note:

Serial No.: 2RCX-1
Tester: Leesin Xiang



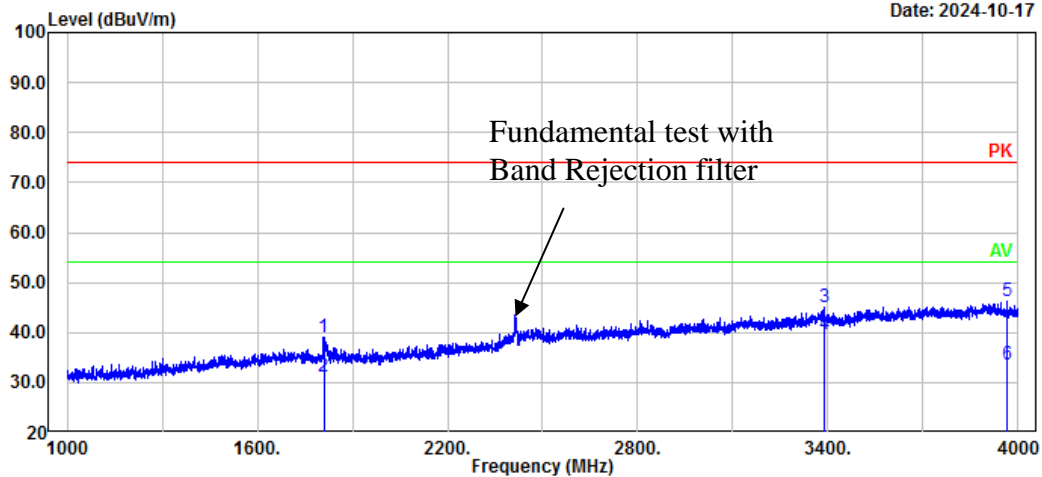
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.00	29.14	-3.80	25.34	40.00	14.66	Peak
2	196.84	36.62	-11.72	24.90	43.50	18.60	Peak
3	202.66	36.95	-11.80	25.15	43.50	18.35	Peak
4	229.82	36.28	-12.23	24.05	46.00	21.95	Peak
5	256.98	42.68	-11.22	31.46	46.00	14.54	Peak
6	852.56	27.94	0.92	28.86	46.00	17.14	Peak

2) 1GHz-13GHz:
M1

Project No.: 2402X93943E-RF
Polarization: Horizontal
Test Mode: M1
Note:

Serial No.: 2RCX-1
Tester: Nat Zhou

Date: 2024-10-17

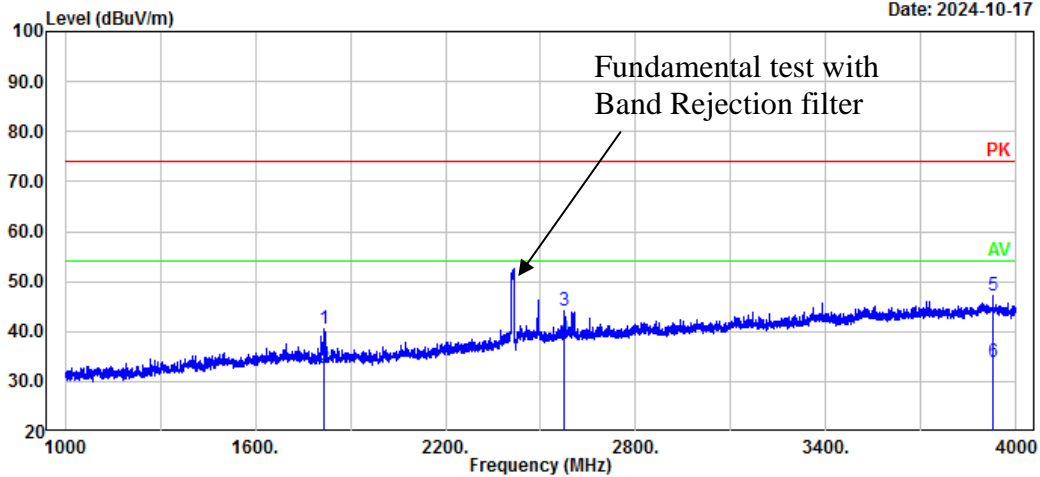


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	1809.40	50.89	-11.73	39.16	74.00	34.84	Peak
2	1809.40	42.87	-11.73	31.14	54.00	22.86	Average
3	3386.20	50.55	-5.45	45.10	74.00	28.90	Peak
4	3386.20	44.97	-5.45	39.52	54.00	14.48	Average
5	3966.40	49.97	-3.72	46.25	74.00	27.75	Peak
6	3966.40	37.27	-3.72	33.55	54.00	20.45	Average

Project No.: 2402X93943E-RF
Polarization: Vertical
Test Mode: M1
Note:

Serial No.: 2RCX-1
Tester: Nat Zhou

Date: 2024-10-17

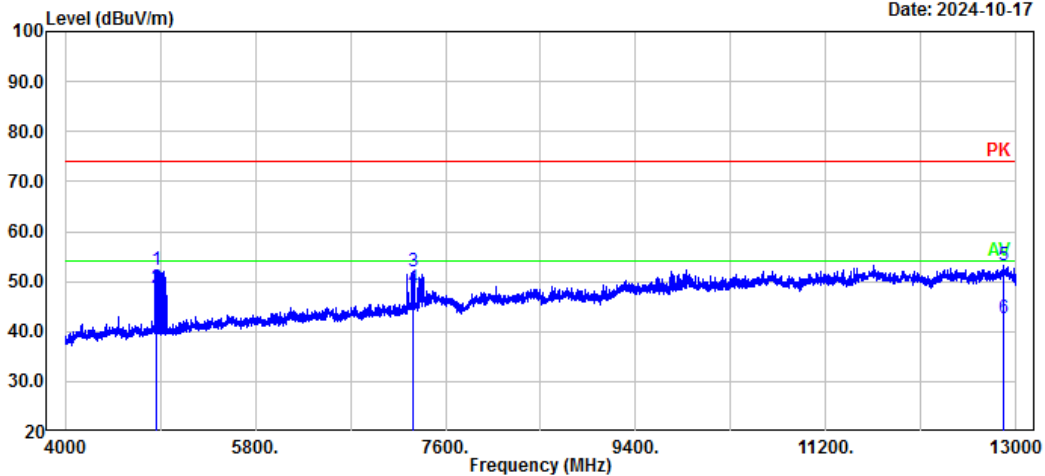


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	1815.40	52.34	-11.77	40.57	74.00	33.43	Peak
2	1815.40	44.46	-11.77	32.69	54.00	21.31	Average
3	2576.20	51.92	-7.90	44.02	74.00	29.98	Peak
4	2576.20	46.27	-7.90	38.37	54.00	15.63	Average
5	3926.20	50.91	-3.76	47.15	74.00	26.85	Peak
6	3926.20	37.52	-3.76	33.76	54.00	20.24	Average

Project No.: 2402X93943E-RF
Polarization: Horizontal
Test Mode: M1
Note:

Serial No.: 2RCX-1
Tester: Nat Zhou

Date: 2024-10-17

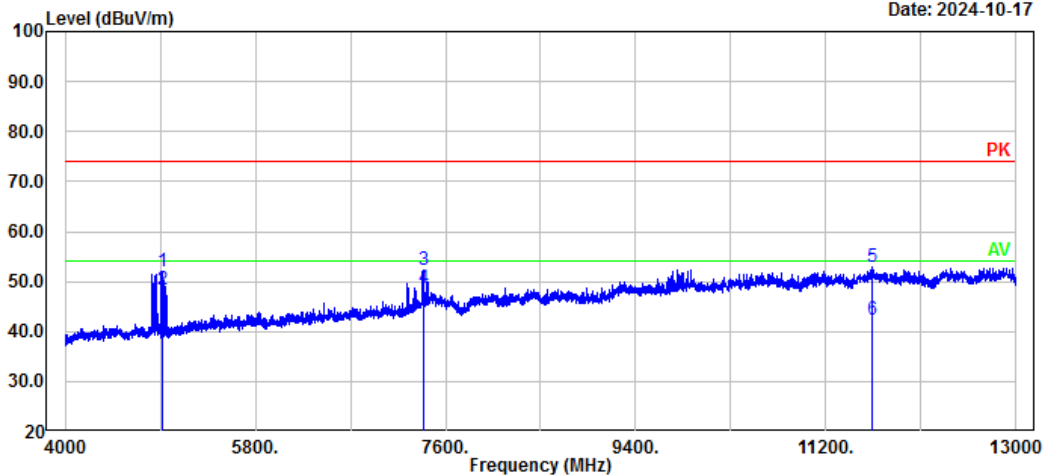


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	4856.80	60.89	-8.52	52.37	74.00	21.63	Peak
2	4856.80	57.13	-8.52	48.61	54.00	5.39	Average
3	7290.40	55.32	-3.40	51.92	74.00	22.08	Peak
4	7290.40	52.16	-3.40	48.76	54.00	5.24	Average
5	12881.20	48.92	4.30	53.22	74.00	20.78	Peak
6	12881.20	38.34	4.30	42.64	54.00	11.36	Average

Project No.: 2402X93943E-RF
Polarization: Vertical
Test Mode: M1
Note:

Serial No.: 2RCX-1
Tester: Nat Zhou

Date: 2024-10-17



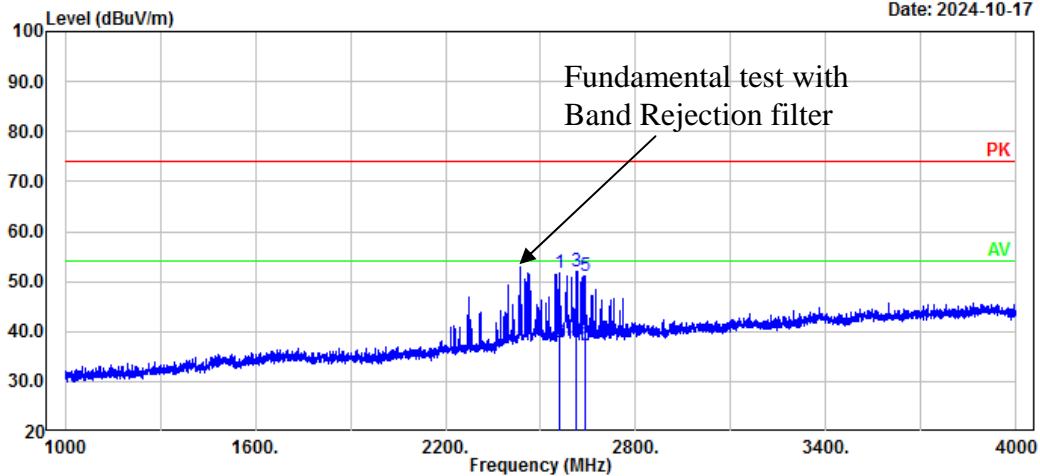
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	4919.80	60.51	-8.46	52.05	74.00	21.95	Peak
2	4919.80	56.83	-8.46	48.37	54.00	5.63	Average
3	7387.60	54.94	-2.70	52.24	74.00	21.76	Peak
4	7387.60	51.29	-2.70	48.59	54.00	5.41	Average
5	11639.20	48.93	4.07	53.00	74.00	21.00	Peak
6	11639.20	38.34	4.07	42.41	54.00	11.59	Average

M2

Project No.: 2402X93943E-RF
Polarization: Horizontal
Test Mode: M2
Note:

Serial No.: 2RCX-1
Tester: Nat Zhou

Date: 2024-10-17

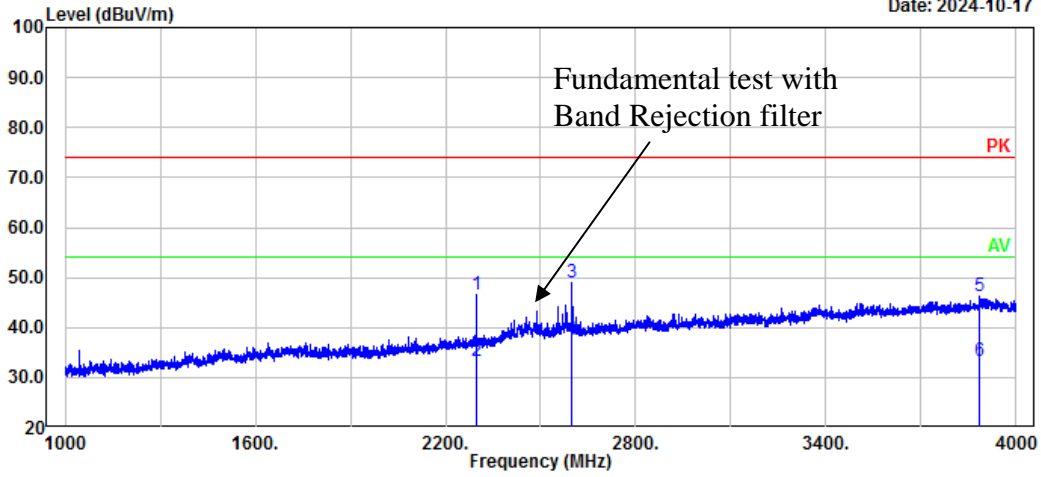


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	2559.40	59.92	-8.09	51.83	74.00	22.17	Peak
2	2559.40	45.77	-8.09	37.68	54.00	16.32	Average
3	2613.40	59.87	-7.81	52.06	74.00	21.94	Peak
4	2613.40	45.94	-7.81	38.13	54.00	15.87	Average
5	2640.40	58.94	-7.70	51.24	74.00	22.76	Peak
6	2640.40	44.98	-7.70	37.28	54.00	16.72	Average

Project No.: 2402X93943E-RF
Polarization: Vertical
Test Mode: M2
Note:

Serial No.: 2RCX-1
Tester: Nat Zhou

Date: 2024-10-17

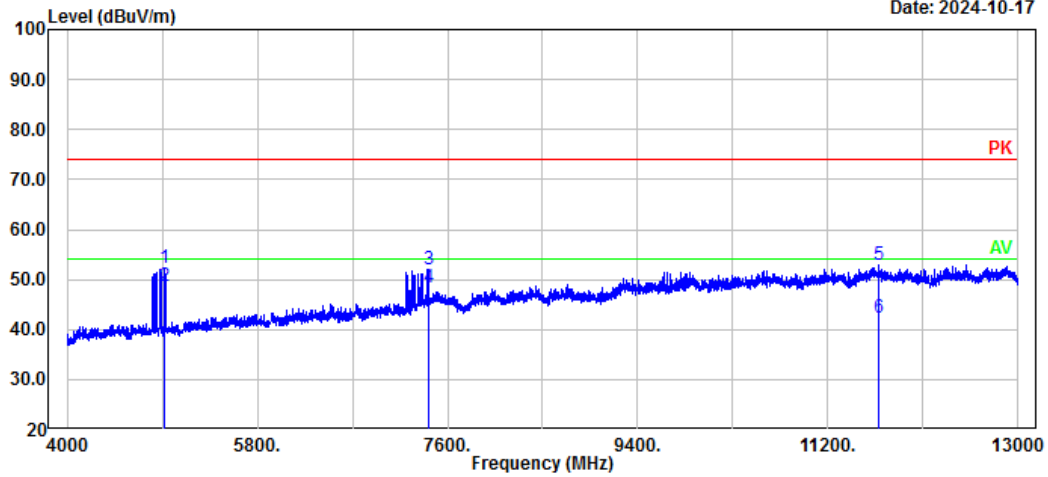


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	2298.40	56.38	-9.73	46.65	74.00	27.35	Peak
2	2298.40	43.14	-9.73	33.41	54.00	20.59	Average
3	2599.60	56.80	-7.80	49.00	74.00	25.00	Peak
4	2599.60	45.44	-7.80	37.64	54.00	16.36	Average
5	3882.40	50.24	-3.91	46.33	74.00	27.67	Peak
6	3882.40	37.32	-3.91	33.41	54.00	20.59	Average

Project No.: 2402X93943E-RF
Polarization: Horizontal
Test Mode: M2
Note:

Serial No.: 2RCX-1
Tester: Nat Zhou

Date: 2024-10-17

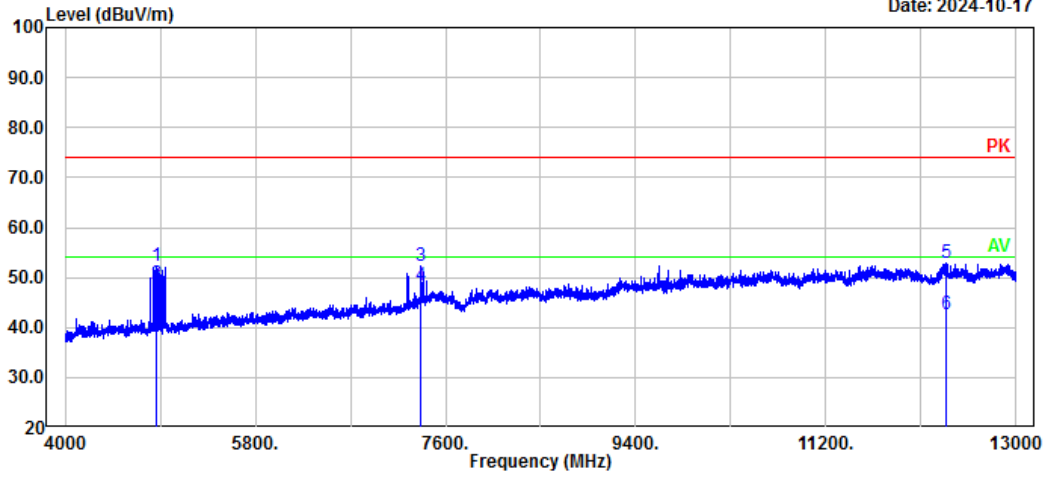


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	4919.80	60.83	-8.46	52.37	74.00	21.63	Peak
2	4919.80	57.27	-8.46	48.81	54.00	5.19	Average
3	7414.60	54.60	-2.65	51.95	74.00	22.05	Peak
4	7414.60	51.13	-2.65	48.48	54.00	5.52	Average
5	11675.20	48.82	4.01	52.83	74.00	21.17	Peak
6	11675.20	38.48	4.01	42.49	54.00	11.51	Average

Project No.: 2402X93943E-RF
Polarization: Vertical
Test Mode: M2
Note:

Serial No.: 2RCX-1
Tester: Nat Zhou

Date: 2024-10-17



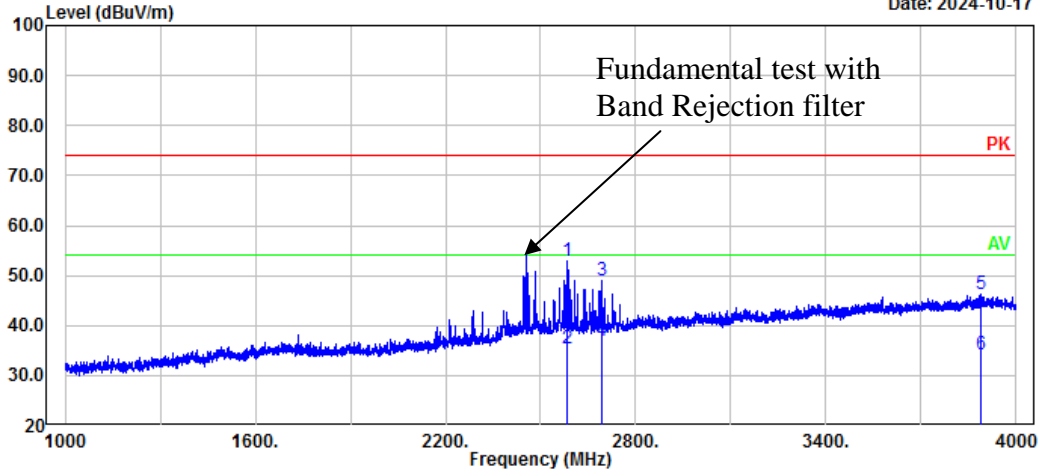
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	4858.60	60.86	-8.51	52.35	74.00	21.65	Peak
2	4858.60	57.14	-8.51	48.63	54.00	5.37	Average
3	7367.80	55.18	-2.82	52.36	74.00	21.64	Peak
4	7367.80	51.34	-2.82	48.52	54.00	5.48	Average
5	12339.40	48.89	4.02	52.91	74.00	21.09	Peak
6	12339.40	38.69	4.02	42.71	54.00	11.29	Average

M 3

Project No.: 2402X93943E-RF
Polarization: Horizontal
Test Mode: M3
Note:

Serial No.: 2RCX-1
Tester: Nat Zhou

Date: 2024-10-17

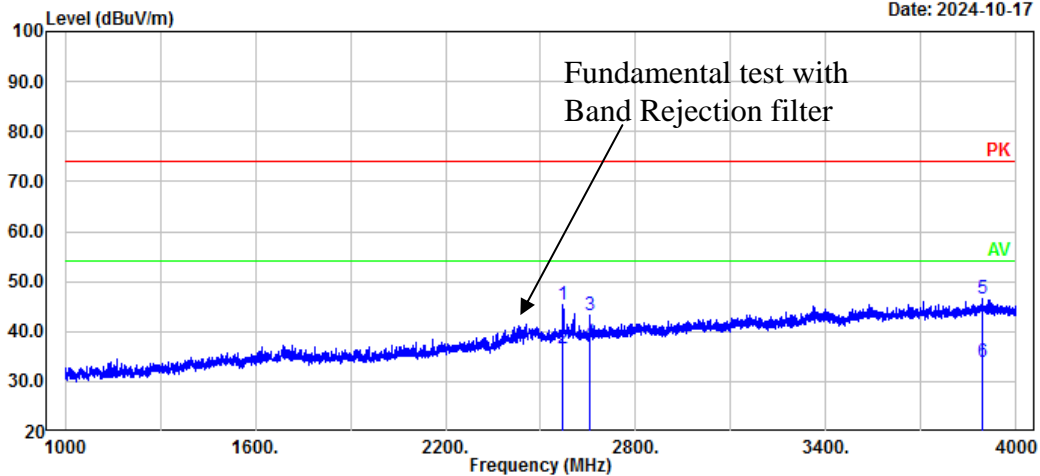


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	2582.20	60.78	-7.79	52.99	74.00	21.01	Peak
2	2582.20	43.28	-7.79	35.49	54.00	18.51	Average
3	2694.40	56.55	-7.69	48.86	74.00	25.14	Peak
4	2694.40	44.69	-7.69	37.00	54.00	17.00	Average
5	3889.00	50.06	-3.77	46.29	74.00	27.71	Peak
6	3889.00	38.00	-3.77	34.23	54.00	19.77	Average

Project No.: 2402X93943E-RF
Polarization: Vertical
Test Mode: M3
Note:

Serial No.: 2RCX-1
Tester: Nat Zhou

Date: 2024-10-17

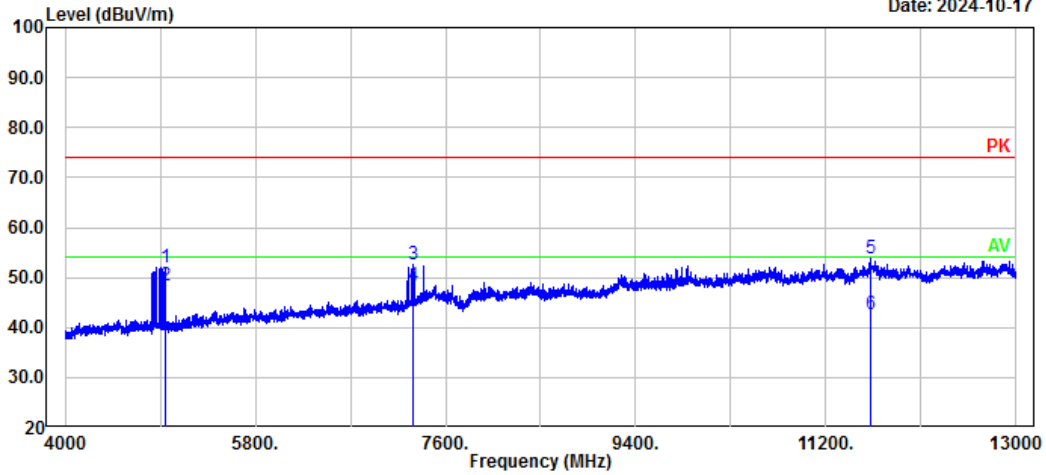


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	2571.40	53.19	-7.98	45.21	74.00	28.79	Peak
2	2571.40	44.61	-7.98	36.63	54.00	17.37	Average
3	2656.00	50.96	-7.73	43.23	74.00	30.77	Peak
4	2656.00	45.51	-7.73	37.78	54.00	16.22	Average
5	3895.00	50.28	-3.64	46.64	74.00	27.36	Peak
6	3895.00	37.55	-3.64	33.91	54.00	20.09	Average

Project No.: 2402X93943E-RF
Polarization: Horizontal
Test Mode: M3
Note:

Serial No.: 2RCX-1
Tester: Nat Zhou

Date: 2024-10-17

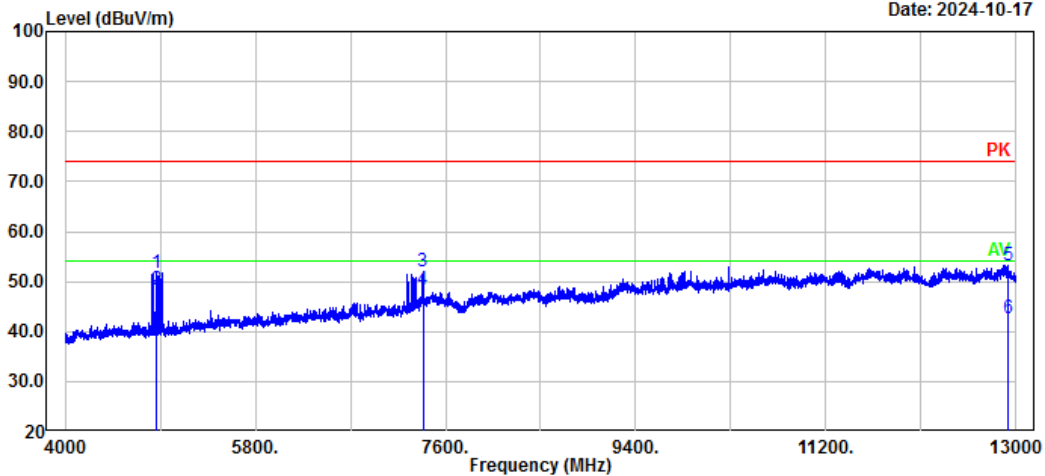


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	4943.20	60.59	-8.47	52.12	74.00	21.88	Peak
2	4943.20	56.91	-8.47	48.44	54.00	5.56	Average
3	7292.20	56.10	-3.39	52.71	74.00	21.29	Peak
4	7292.20	51.71	-3.39	48.32	54.00	5.68	Average
5	11621.20	49.63	4.12	53.75	74.00	20.25	Peak
6	11621.20	38.39	4.12	42.51	54.00	11.49	Average

Project No.: 2402X93943E-RF
Polarization: Vertical
Test Mode: M3
Note:

Serial No.: 2RCX-1
Tester: Nat Zhou

Date: 2024-10-17



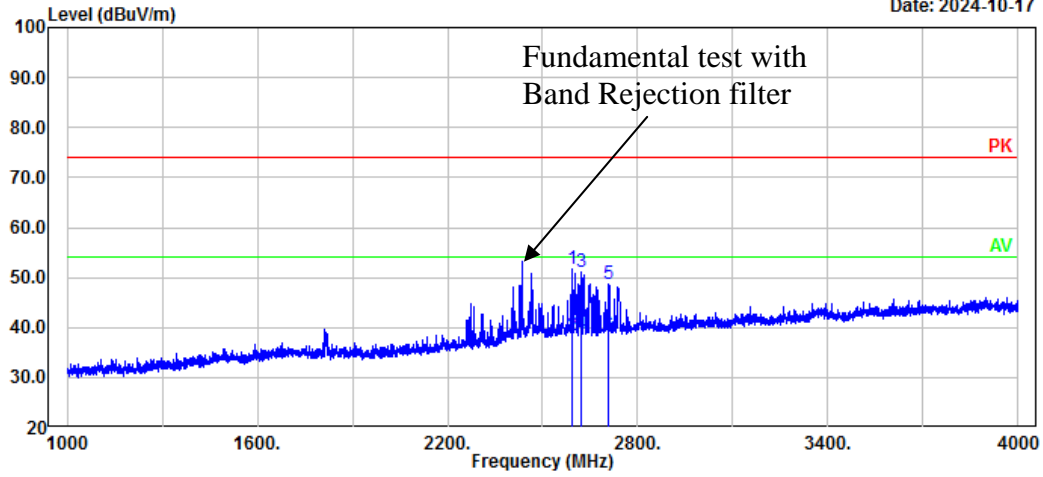
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	4862.20	60.20	-8.51	51.69	74.00	22.31	Peak
2	4862.20	56.80	-8.51	48.29	54.00	5.71	Average
3	7385.80	54.70	-2.71	51.99	74.00	22.01	Peak
4	7385.80	51.22	-2.71	48.51	54.00	5.49	Average
5	12928.00	48.89	4.36	53.25	74.00	20.75	Peak
6	12928.00	38.23	4.36	42.59	54.00	11.41	Average

M 4

Project No.: 2402X93943E-RF
Polarization: Horizontal
Test Mode: M4
Note:

Serial No.: 2RCX-1
Tester: Nat Zhou

Date: 2024-10-17

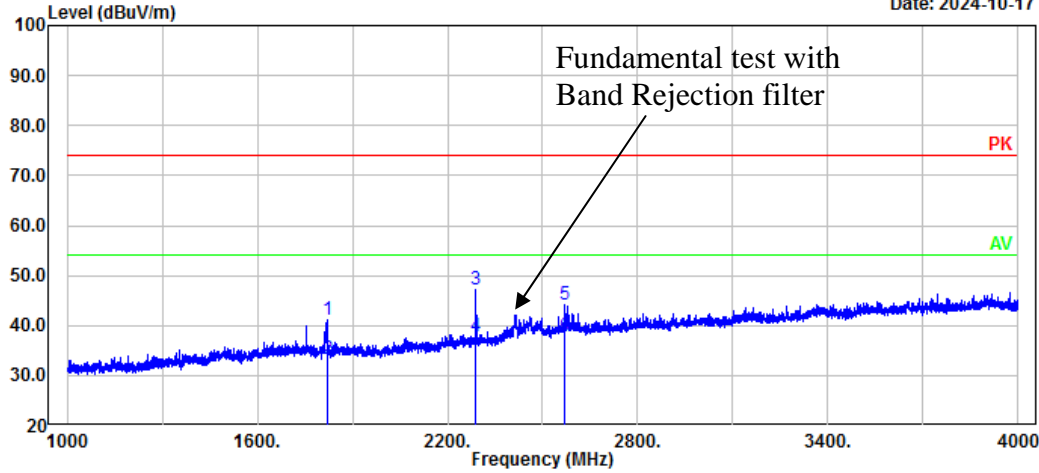


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	2594.20	59.37	-7.78	51.59	74.00	22.41	Peak
2	2594.20	46.15	-7.78	38.37	54.00	15.63	Average
3	2620.60	58.78	-7.81	50.97	74.00	23.03	Peak
4	2620.60	46.47	-7.81	38.66	54.00	15.34	Average
5	2709.40	56.44	-7.69	48.75	74.00	25.25	Peak
6	2709.40	45.97	-7.69	38.28	54.00	15.72	Average

Project No.: 2402X93943E-RF
Polarization: Vertical
Test Mode: M4
Note:

Serial No.: 2RCX-1
Tester: Nat Zhou

Date: 2024-10-17

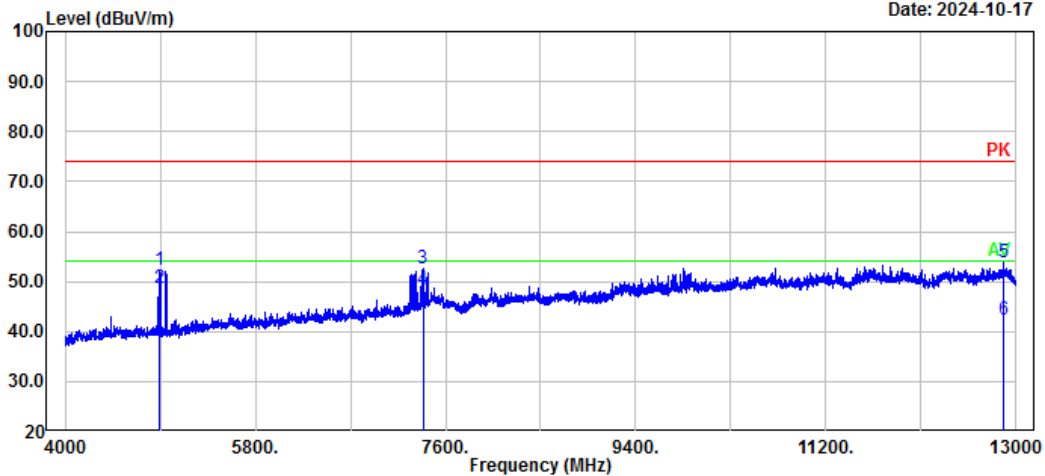


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	1819.60	53.03	-11.80	41.23	74.00	32.77	Peak
2	1819.60	45.17	-11.80	33.37	54.00	20.63	Average
3	2290.00	56.90	-9.80	47.10	74.00	26.90	Peak
4	2290.00	47.48	-9.80	37.68	54.00	16.32	Average
5	2571.40	52.20	-7.98	44.22	74.00	29.78	Peak
6	2571.40	45.92	-7.98	37.94	54.00	16.06	Average

Project No.: 2402X93943E-RF
Polarization: Horizontal
Test Mode: M4
Note:

Serial No.: 2RCX-1
Tester: Nat Zhou

Date: 2024-10-17

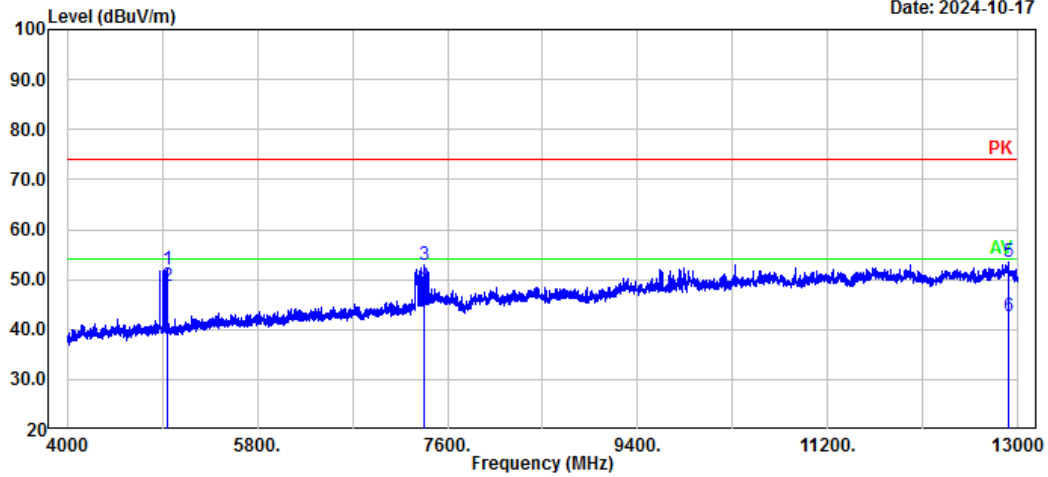


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	4887.40	60.91	-8.47	52.44	74.00	21.56	Peak
2	4887.40	57.00	-8.47	48.53	54.00	5.47	Average
3	7385.80	55.19	-2.71	52.48	74.00	21.52	Peak
4	7385.80	50.98	-2.71	48.27	54.00	5.73	Average
5	12877.60	49.50	4.31	53.81	74.00	20.19	Peak
6	12877.60	38.13	4.31	42.44	54.00	11.56	Average

Project No.: 2402X93943E-RF
Polarization: Vertical
Test Mode: M4
Note:

Serial No.: 2RCX-1
Tester: Nat Zhou

Date: 2024-10-17



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	4943.20	60.48	-8.47	52.01	74.00	21.99	Peak
2	4943.20	57.14	-8.47	48.67	54.00	5.33	Average
3	7376.80	55.74	-2.74	53.00	74.00	21.00	Peak
4	7376.80	51.29	-2.74	48.55	54.00	5.45	Average
5	12910.00	49.10	4.34	53.44	74.00	20.56	Peak
6	12910.00	38.27	4.34	42.61	54.00	11.39	Average

EXHIBIT A - EUT PHOTOGRAPHS

Please refer to the attachment 2402X93943E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and 2402X93943E-RF-INP EUT INTERNAL PHOTOGRAPHS.

EXHIBIT B - TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2402X93943E-RF-00B-TSP TEST SETUP PHOTOGRAPHS.

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