



中认信通

CHINA CERTIFICATION ICT CO., LTD (DONGGUAN)



TEST REPORT

Applicant: Grandstream Networks, Inc.

Address: 126 Brookline Ave., 3rd Floor Boston, MA 02215, USA

FCC ID: YZZGWN7665

Product Name: 802.11ax Tri-Band Wi-Fi 6E Access Point

Standard(s): 47 CFR Part 15 Subpart B
ANSI C63.4-2014

The above device has been tested and found compliant with the requirement of the relative standards by China Certification ICT Co., Ltd (Dongguan)

Report Number: CR230955399-00A

Date Of Issue: 2023/11/23

Reviewed By: Calvin Chen

Title: RF Engineer

Approved By: Sun Zhong

Title: Manager

Test Laboratory: China Certification ICT Co., Ltd (Dongguan)

No. 113, Pingkang Road, Dalang Town, Dongguan,
Guangdong, China
Tel: +86-769-82016888

Test Facility

The Test site used by China Certification ICT Co., Ltd (Dongguan) to collect test data is located on the No. 113, Pingkang Road, Dalang 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. : 442868, the FCC Designation No. : CN1314.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0123.

Declarations

China Certification ICT Co., Ltd (Dongguan) is not responsible for the authenticity of any test data provided by the applicant. Data included from the applicant that may affect test results are marked with a triangle symbol “▲”. Customer model name, addresses, names, trademarks etc. are not considered data.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

This report cannot be reproduced except in full, without prior written approval of the Company.

This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.

This report may contain data that are not covered by the accreditation scope and shall be marked with an asterisk “★”.

CONTENTS

DOCUMENT REVISION HISTORY	4
1. GENERAL INFORMATION.....	5
1.1 PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT)	5
1.2 DESCRIPTION OF TEST CONFIGURATION	6
1.2.1 EUT Operation Condition.....	6
1.2.2 Support Equipment List and Details	6
1.2.3 Support Cable List and Details	6
1.2.4 Block Diagram of Test Setup.....	7
1.3 MEASUREMENT UNCERTAINTY	8
2. SUMMARY OF TEST RESULTS	9
3. REQUIREMENTS AND TEST PROCEDURES	10
3.1 AC LINE CONDUCTED EMISSIONS	10
3.1.1 EUT Setup.....	10
3.1.2 EMI Test Receiver Setup	10
3.1.3 Test Procedure	11
3.1.4 Corrected Amplitude & Margin Calculation.....	11
3.2 RADIATION SPURIOUS EMISSIONS	12
3.2.1 EUT Setup.....	12
3.2.2 EMI Test Receiver Setup	13
3.2.3 Test Procedure	13
3.2.4 Corrected Amplitude & Margin Calculation.....	13
4. TEST DATA AND RESULTS.....	14
4.1 AC LINE CONDUCTED EMISSIONS	14
4.2 RADIATION SPURIOUS EMISSIONS	19
5. EUT PHOTOGRAPHS.....	32
6. TEST SETUP PHOTOGRAPHS	33

DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	CR230955399-00A	Original Report	2023/11/23

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

EUT Name:	802.11ax Tri-Band Wi-Fi 6E Access Point
EUT Model:	GWN7665
Highest Operation Frequency:	7125 MHz
Rated Input Voltage:	POE 48V
Serial Number:	2BI1-1
EUT Received Date:	2023/9/20
EUT Received Status:	Good

Accessory Information:

Accessory Description	Manufacturer	Model	Parameters
/	/	/	/

1.2 Description of Test Configuration

1.2.1 EUT Operation Condition

EUT Operation Mode:	The system was configured for testing in Typical Use Mode, which was provided by the manufacturer. Test Mode : M1: operating
Equipment Modifications:	No
EUT Exercise Software:	Lan Test

1.2.2 Support Equipment List and Details

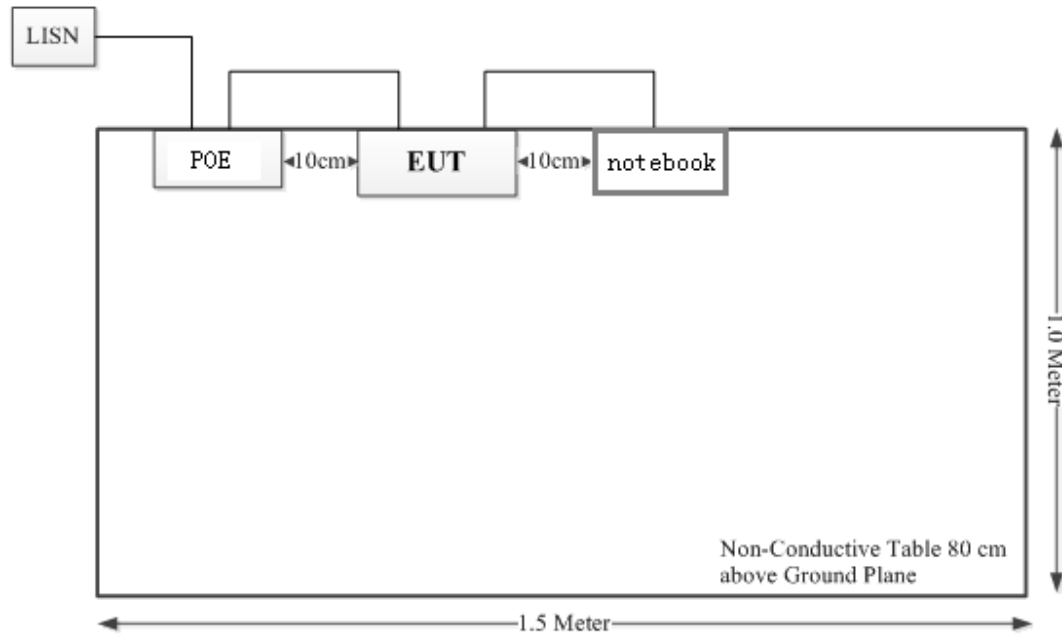
Manufacturer	Description	Model	Serial Number
DELL	Laptop	E6410	GYXJ3 A00 JSD2
DIGITAL	POE	G0720-480-050	3TV4E338182

1.2.3 Support Cable List and Details

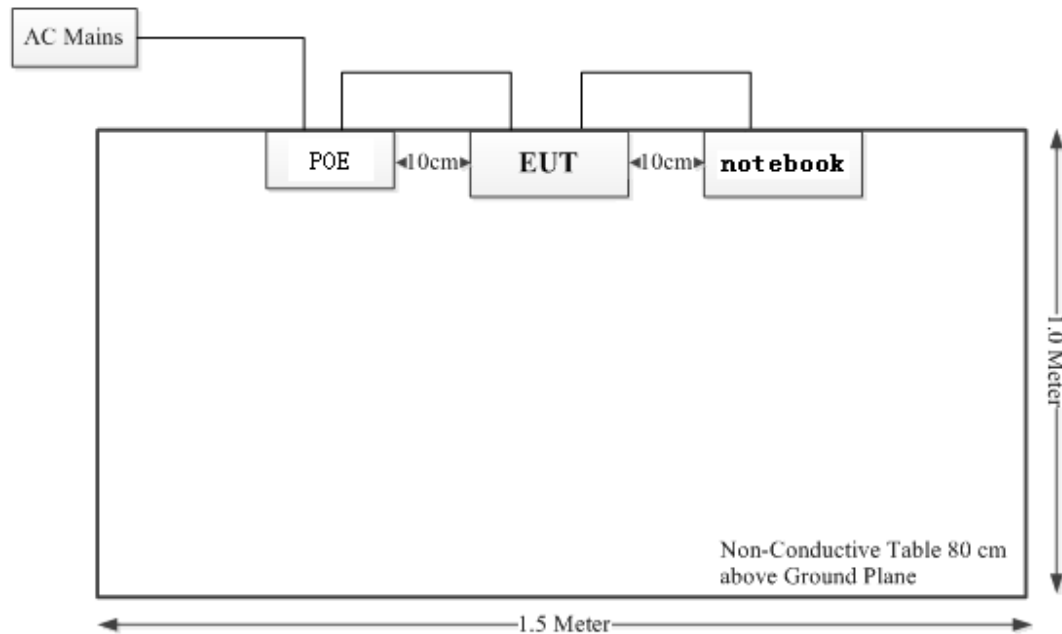
Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
RJ45 Cable	NO	NO	1	POE	EUT
RJ45 Cable	NO	NO	1	Laptop	EUT

1.2.4 Block Diagram of Test Setup

Conducted emissions:



Radiated emissions:



1.3 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	30M~200MHz: 4.15 dB, 200M~1GHz: 5.61 dB, 1G~6GHz: 5.14 dB, 6G~18GHz: 5.93 dB, 18G~26.5G: 5.47 dB, 26.5G~40G: 5.63 dB
Temperature	$\pm 1^{\circ}\text{C}$
Humidity	$\pm 5\%$
AC Power Lines Conducted Emission	2.8 dB (150 kHz to 30 MHz)

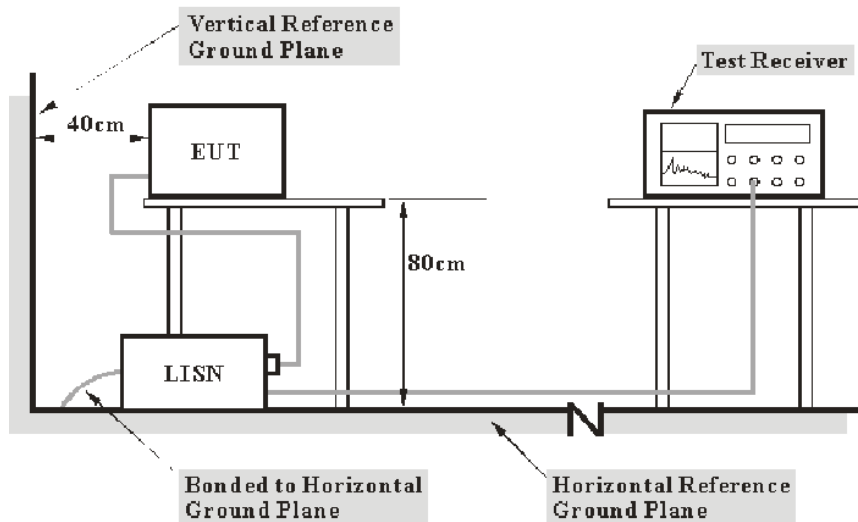
2. SUMMARY OF TEST RESULTS

Standard(s) Section	Description of Test	Result
§15.107	Conducted emissions	Compliant
§15.109	Radiated emissions	Compliant

3. REQUIREMENTS AND TEST PROCEDURES

3.1 AC Line Conducted Emissions

3.1.1 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 setup of EUT is according with per ANSI C63.4-2014 measurement procedure. The specification used was with the FCC Part 15 B 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 adapter or EUT was connected to the main LISN with a 120 V/60 Hz AC power source.

3.1.2 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

3.1.3 Test Procedure

During the conducted emission test, the adapter was connected to the outlet of the first LISN and the other support equipments were connected to the outlet of the second LISN.

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.

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

3.1.4 Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result = Reading + Factor

Factor = attenuation caused by cable loss + voltage division factor of AMN

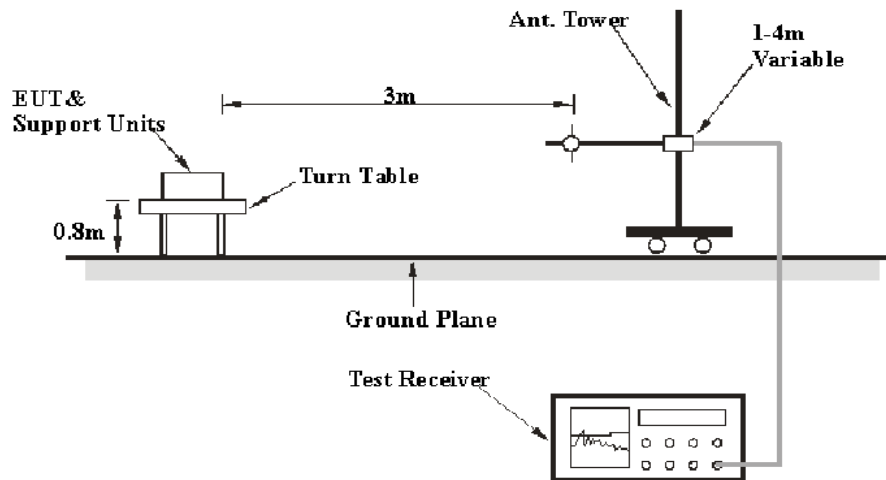
The “**Margin**” column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Result

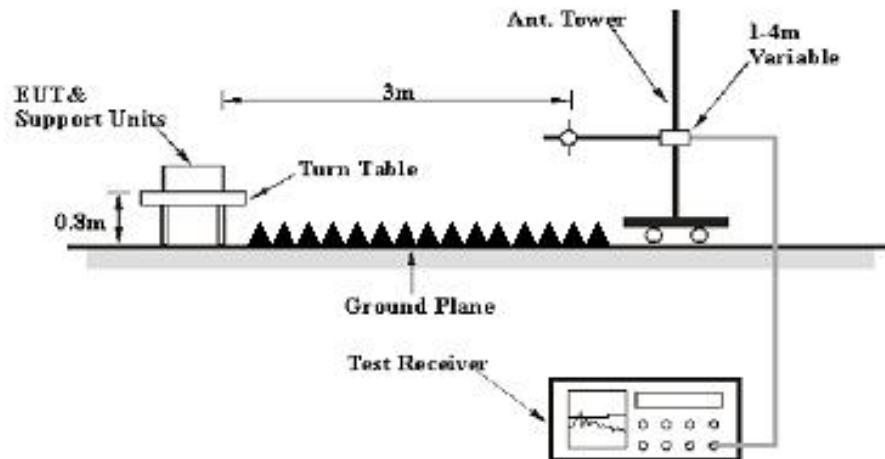
3.2 Radiation Spurious Emissions

3.2.1 EUT Setup

Below 1GHz:



Above 1GHz:



The radiated emissions were performed in the 3 meters chamber test site, using the setup accordance with the ANSI C63.4-2014. The specification used was with the FCC Part 15 B Class B limits.

3.2.2 EMI Test Receiver Setup

The system was investigated from 30 MHz to 40 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	Detector
30 MHz – 1000 MHz	100 kHz	300 kHz	120 kHz	QP
Above 1 GHz	1 MHz	3 MHz	/	Peak
	1 MHz	3 MHz	/	AVG

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

3.2.3 Test Procedure

During the radiated emissions, the adapter was connected to the first AC floor outlet and the other support equipments were connected to the second AC floor outlet.

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.

All emissions under the average limit and under the noise floor have not recorded in the report.

3.2.4 Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result = Reading + Factor

Factor = Antenna Factor + Cable Loss- Amplifier Gain

The “**Margin**” column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Result

4. TEST DATA AND RESULTS

4.1 AC Line Conducted Emissions

Serial Number:	2BI1-1	Test Date:	2023/9/23-2023/11/18
Test Site:	CE	Test Mode:	M1
Tester:	David Huang	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	24.8-26.4	Relative Humidity: (%)	32-58	ATM Pressure: (kPa)	100.2-101.8
----------------------	-----------	---------------------------	-------	------------------------	-------------

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	LISN	ENV216	101134	2023/03/31	2024/03/30
R&S	EMI Test Receiver	ESR3	102726	2023/03/31	2024/03/30
MICRO-COAX	Coaxial Cable	UTIFLEX	C-0200-01	2023/08/06	2024/08/05
Audix	Test Software	E3	190306 (V9)	N/A	N/A

* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data:

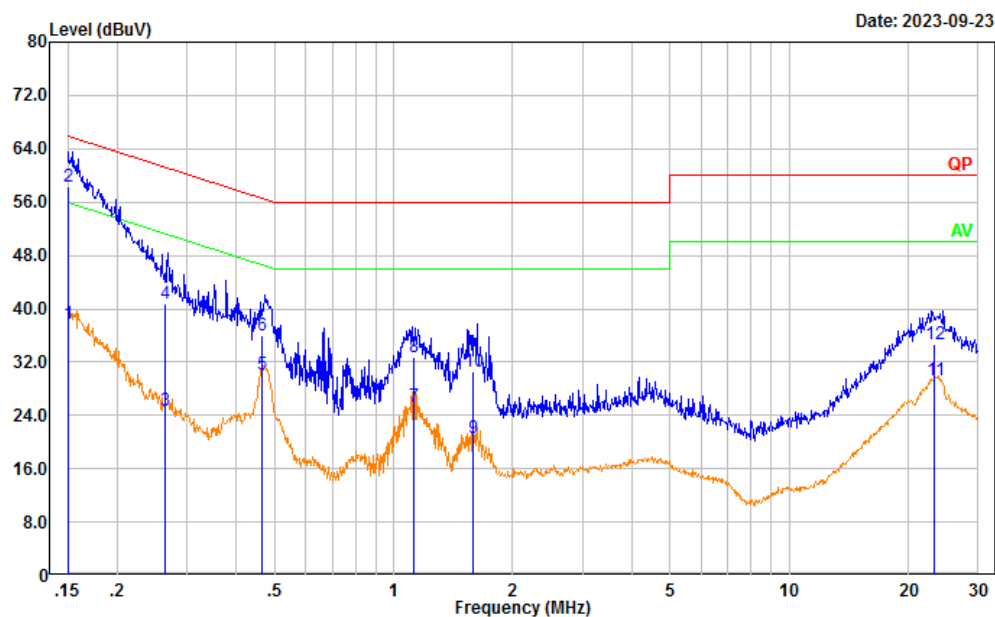
RJ45-1

Project No.: CR230955399-RF

Tester: David Huang

Port: Line

Note:



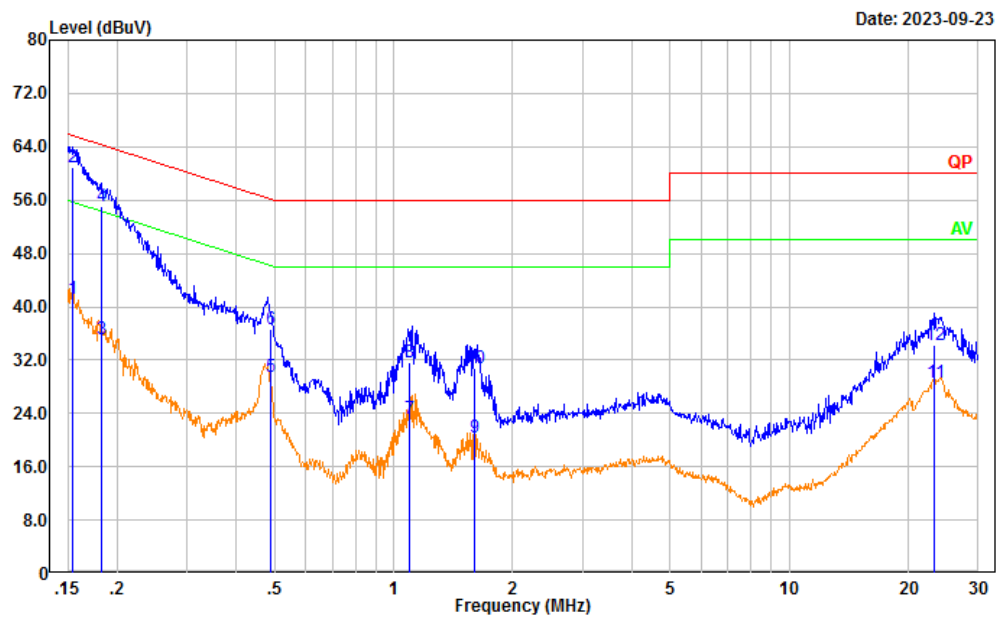
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.151	28.20	9.61	37.81	55.96	18.15	Average
2	0.151	48.72	9.61	58.33	65.96	7.63	QP
3	0.265	15.12	9.61	24.73	51.28	26.55	Average
4	0.265	31.07	9.61	40.68	61.28	20.60	QP
5	0.464	20.63	9.61	30.24	46.62	16.38	Average
6	0.464	26.37	9.61	35.98	56.62	20.64	QP
7	1.120	15.78	9.62	25.40	46.00	20.60	Average
8	1.120	23.14	9.62	32.76	56.00	23.24	QP
9	1.587	10.88	9.63	20.51	46.00	25.49	Average
10	1.587	20.92	9.63	30.55	56.00	25.45	QP
11	23.323	19.43	9.81	29.24	50.00	20.76	Average
12	23.323	24.90	9.81	34.71	60.00	25.29	QP

Project No.: CR230955399-RF

Tester: David Huang

Port: neutral

Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.154	31.57	9.61	41.18	55.78	14.60	Average
2	0.154	51.30	9.61	60.91	65.78	4.87	QP
3	0.183	25.57	9.61	35.18	54.34	19.16	Average
4	0.183	45.51	9.61	55.12	64.34	9.22	QP
5	0.487	19.94	9.61	29.55	46.22	16.67	Average
6	0.487	27.12	9.61	36.73	56.22	19.49	QP
7	1.098	13.64	9.62	23.26	46.00	22.74	Average
8	1.098	22.08	9.62	31.70	56.00	24.30	QP
9	1.601	10.72	9.63	20.35	46.00	25.65	Average
10	1.601	21.11	9.63	30.74	56.00	25.26	QP
11	23.275	18.93	9.74	28.67	50.00	21.33	Average
12	23.275	24.51	9.74	34.25	60.00	25.75	QP

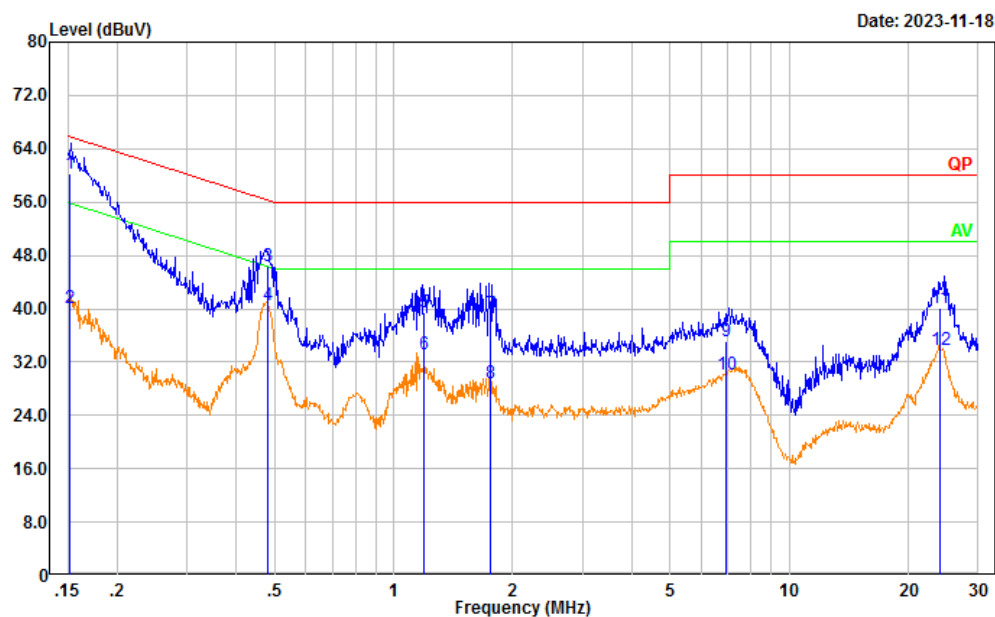
RJ45-2

Project No.: CR230955399-RF

Tester: David Huang

Port: Line

Note:



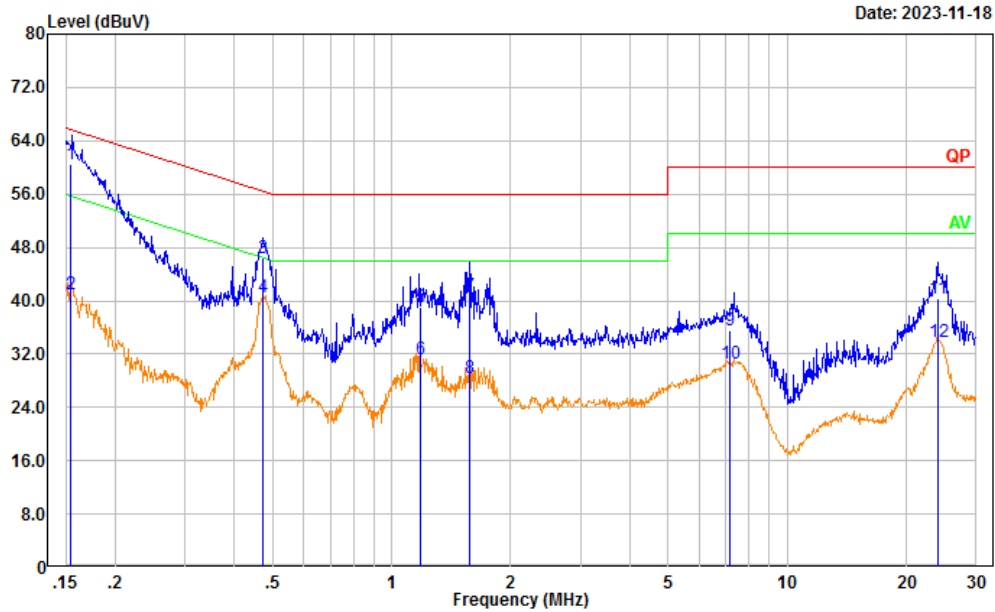
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.152	50.56	9.61	60.17	65.87	5.70	QP
2	0.152	30.52	9.61	40.13	55.87	15.74	Average
3	0.480	36.78	9.61	46.39	56.35	9.96	QP
4	0.480	30.92	9.61	40.53	46.35	5.82	Average
5	1.192	29.92	9.62	39.54	56.00	16.46	QP
6	1.192	23.45	9.62	33.07	46.00	12.93	Average
7	1.758	29.57	9.63	39.20	56.00	16.80	QP
8	1.758	19.21	9.63	28.84	46.00	17.16	Average
9	6.915	25.45	9.66	35.11	60.00	24.89	QP
10	6.915	20.44	9.66	30.10	50.00	19.90	Average
11	23.957	30.40	9.81	40.21	60.00	19.79	QP
12	23.957	24.11	9.81	33.92	50.00	16.08	Average

Project No.: CR230955399-RF

Tester: David Huang

Port: neutral

Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.154	50.80	9.61	60.41	65.76	5.35	QP
2	0.154	31.26	9.61	40.87	55.76	14.89	Average
3	0.473	36.72	9.61	46.33	56.46	10.13	QP
4	0.473	30.93	9.61	40.54	46.46	5.92	Average
5	1.181	29.46	9.62	39.08	56.00	16.92	QP
6	1.181	21.54	9.62	31.16	46.00	14.84	Average
7	1.578	31.05	9.63	40.68	56.00	15.32	QP
8	1.578	18.68	9.63	28.31	46.00	17.69	Average
9	7.149	25.84	9.66	35.50	60.00	24.50	QP
10	7.149	20.82	9.66	30.48	50.00	19.52	Average
11	23.949	30.66	9.75	40.41	60.00	19.59	QP
12	23.949	24.15	9.75	33.90	50.00	16.10	Average

4.2 Radiation Spurious Emissions

Serial Number:	2BI1-1	Test Date:	2023/11/10~2023/11/19
Test Site:	966-1, 966-2	Test Mode:	M1
Tester:	Jeff Luo, Mack Huang	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.2~26.1	Relative Humidity: (%)	54~59	ATM Pressure: (kPa)	101.1~102
----------------------	-----------	---------------------------	-------	---------------------------	-----------

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Sunol Sciences	Antenna	JB6	A082520-6	2023/9/18	2026/9/17
R&S	EMI Test Receiver	ESR3	102724	2023/3/31	2024/3/30
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0470-02	2023/7/16	2024/7/15
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0780-01	2023/7/16	2024/7/15
Sonoma	Amplifier	310N	186165	2023/7/16	2024/7/15
Audix	Test Software	E3	201021 (V9)	N/A	N/A
AH	Double Ridge Guide Horn Antenna	SAS-571	1394	2023/2/22	2026/2/21
PASTERNAK	Horn Antenna	PE9852/2F-20	112002	2021/2/5	2024/2/4
PASTERNAK	Horn Antenna	PE9850/2F-20	072001	2021/2/5	2024/2/4
R&S	Spectrum Analyzer	FSV40	101591	2023/3/31	2024/3/30
MICRO-COAX	Coaxial Cable	UFA210A-1-1200-70U300	217423-008	2023/8/6	2024/8/5
MICRO-COAX	Coaxial Cable	UFA210A-1-2362-300300	235780-001	2023/8/6	2024/8/5
MICRO-COAX	Coaxial Cable	UFB142A-1-2362-200200	235772-001	2023/8/6	2024/8/5
Mini	Pre-amplifier	ZVA-183-S+	5969001149	2023/11/8	2024/11/7
Quinstar	Preamplifier	QLW-18405536-JO	15964001005	2023/9/15	2024/9/14
Audix	Test Software	E3	201021 (V9)	N/A	N/A
E-Microwave	Band Rejection Filter	2400-2483.5MHz	OE01902424	2023/8/6	2024/8/5
Mini Circuits	High Pass Filter	VHF-6010+	31119	2023/8/6	2024/8/5
E-Microwave	Band Rejection Filter	5150-5850MHz	OE01902423	2023/8/6	2024/8/5

* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data:

Please refer to the below table and plots.

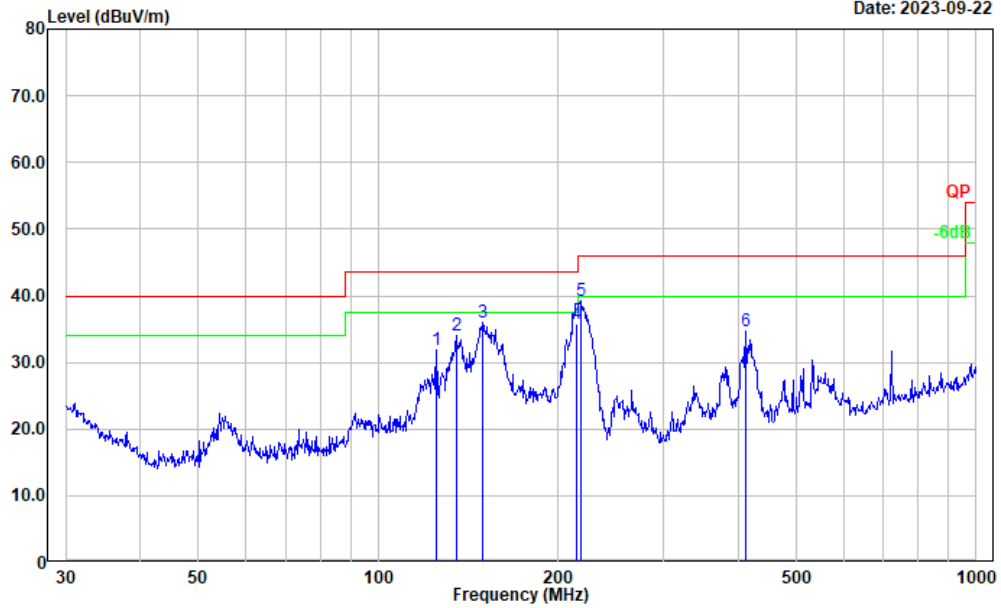
After pre-scan in the X, Y and Z axes of orientation, the worst case is below:

1) 30MHz-1GHz:

RJ45-1

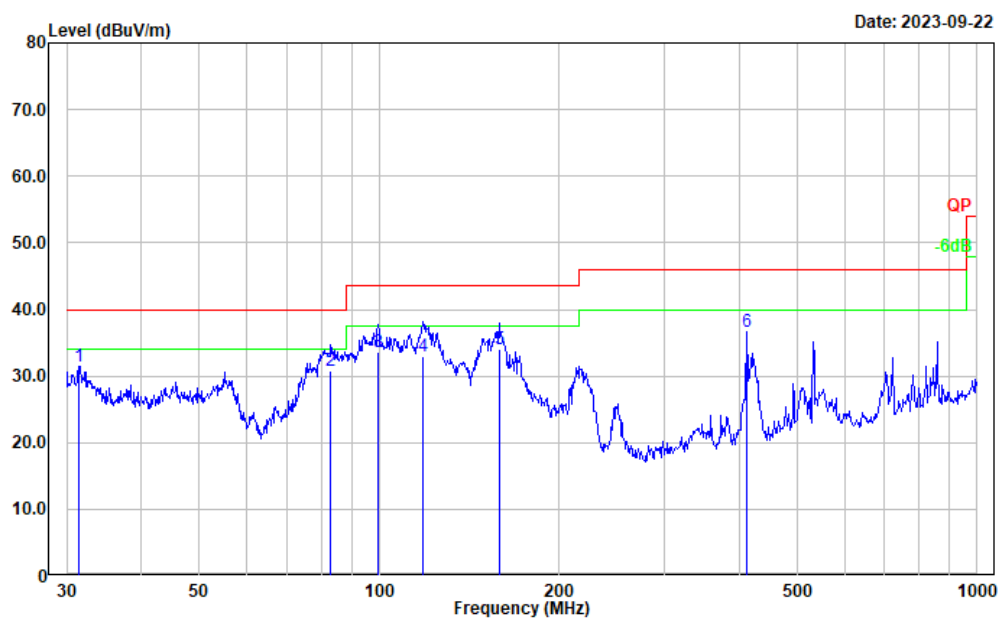
Project No.: CR230955399-RF
Tester: Vic Du
Polarization: horizontal
Note:

Date: 2023-09-22



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	125.007	43.19	-11.31	31.88	43.50	11.62	Peak
2	135.032	45.58	-11.60	33.98	43.50	9.52	Peak
3	149.486	47.93	-12.00	35.93	43.50	7.57	Peak
4	214.514	48.47	-12.60	35.87	43.50	7.63	QP
5	218.309	52.05	-12.75	39.30	46.00	6.70	Peak
6	411.824	42.94	-8.28	34.66	46.00	11.34	Peak

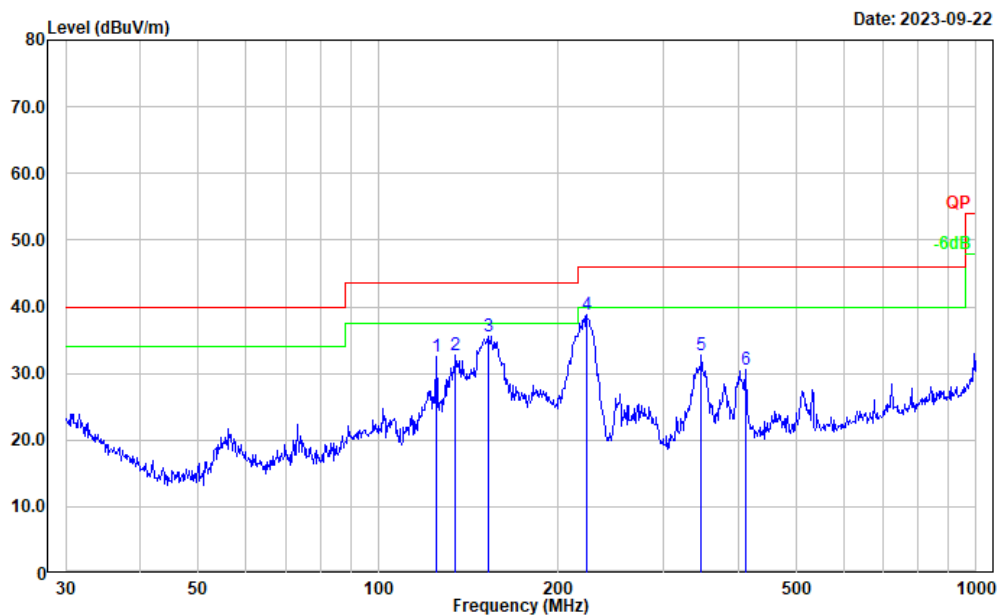
Project No.: CR230955399-RF
Tester: Vic Du
Polarization: vertical
Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	31.399	36.02	-4.67	31.35	40.00	8.65	Peak
2	82.938	48.02	-17.23	30.79	40.00	9.21	QP
3	99.528	48.06	-14.43	33.63	43.50	9.87	QP
4	118.099	44.50	-11.64	32.86	43.50	10.64	QP
5	158.668	46.05	-12.05	34.00	43.50	9.50	QP
6	411.824	44.97	-8.28	36.69	46.00	9.31	Peak

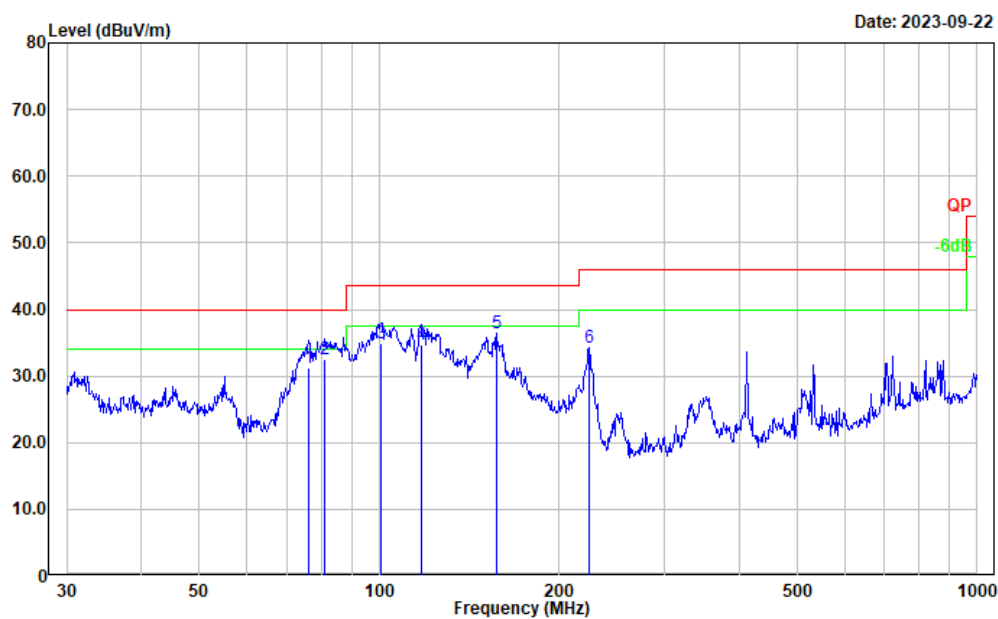
RJ45-2

Project No.: CR230955399-RF
Tester: Vic Du
Polarization: horizontal
Note:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	125.007	43.84	-11.31	32.53	43.50	10.97	Peak
2	134.559	44.21	-11.57	32.64	43.50	10.86	Peak
3	152.664	47.60	-12.02	35.58	43.50	7.92	Peak
4	222.950	51.57	-12.85	38.72	46.00	7.28	Peak
5	346.809	42.66	-10.03	32.63	46.00	13.37	Peak
6	411.824	38.92	-8.28	30.64	46.00	15.36	Peak

Project No.: CR230955399-RF
Tester: Vic Du
Polarization: vertical
Note:



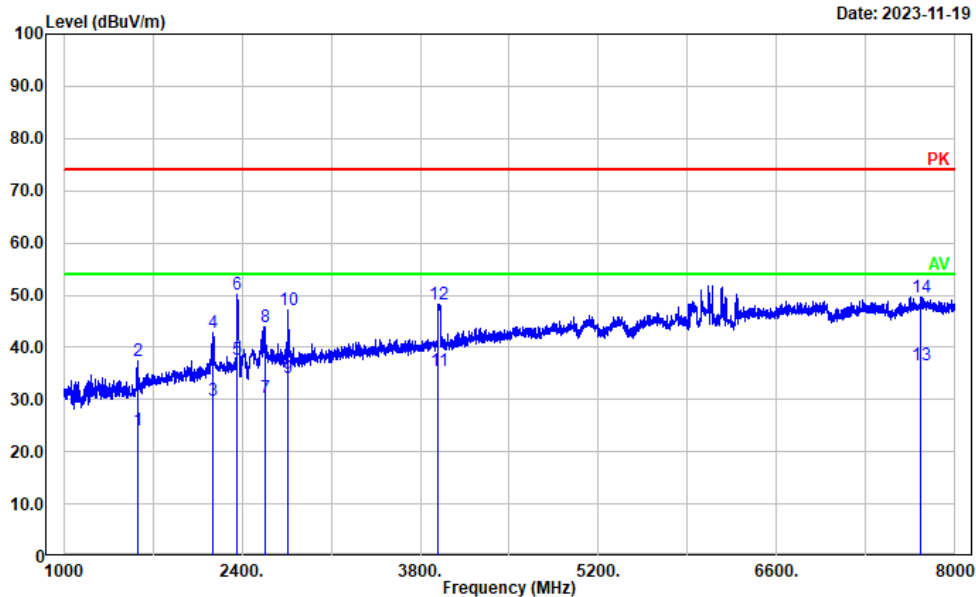
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	76.244	48.31	-17.04	31.27	40.00	8.73	QP
2	81.212	49.91	-17.38	32.53	40.00	7.47	QP
3	100.581	49.15	-14.19	34.96	43.50	8.54	QP
4	117.360	46.34	-11.67	34.67	43.50	8.83	QP
5	157.007	48.44	-12.04	36.40	43.50	7.10	Peak
6	224.519	47.03	-12.85	34.18	46.00	11.82	Peak

2) Above 1GHz:

Horizontal
1-8 GHz

Project No.: CR230955399-RF
Tester: Mack Huang
Polarization: horizontal
Note:

Date: 2023-11-19

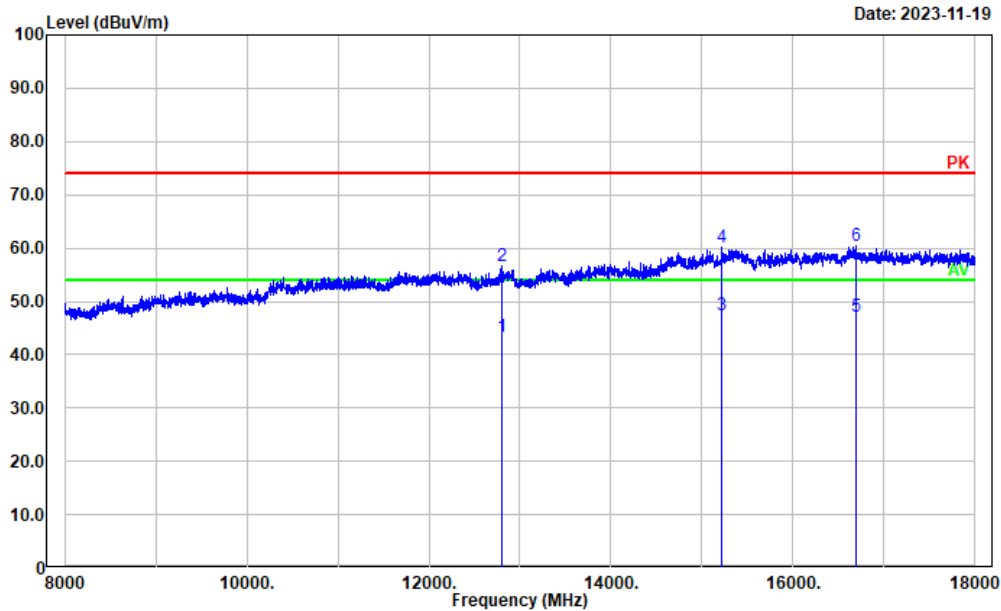


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	1581.116	24.56	-0.33	24.23	54.00	29.77	Average
2	1581.116	37.72	-0.33	37.39	74.00	36.61	Peak
3	2172.034	27.26	2.42	29.68	54.00	24.32	Average
4	2172.034	40.41	2.42	42.83	74.00	31.17	Peak
5	2363.873	34.03	3.53	37.56	54.00	16.44	Average
6	2363.873	46.59	3.53	50.12	74.00	23.88	Peak
7	2578.116	25.95	4.51	30.46	54.00	23.54	Average
8	2578.116	39.29	4.51	43.80	74.00	30.20	Peak
9	2757.352	29.31	4.89	34.20	54.00	19.80	Average
10	2757.352	42.14	4.89	47.03	74.00	26.97	Peak
11	3943.389	27.33	8.06	35.39	54.00	18.61	Average
12	3943.389	40.09	8.06	48.15	74.00	25.85	Peak
13	7726.945	20.50	16.01	36.51	54.00	17.49	Average
14	7726.945	33.63	16.01	49.64	74.00	24.36	Peak

8-18GHz

Project No.: CR230955399-RF
Tester: Mack Huang
Polarization: horizontal
Note:

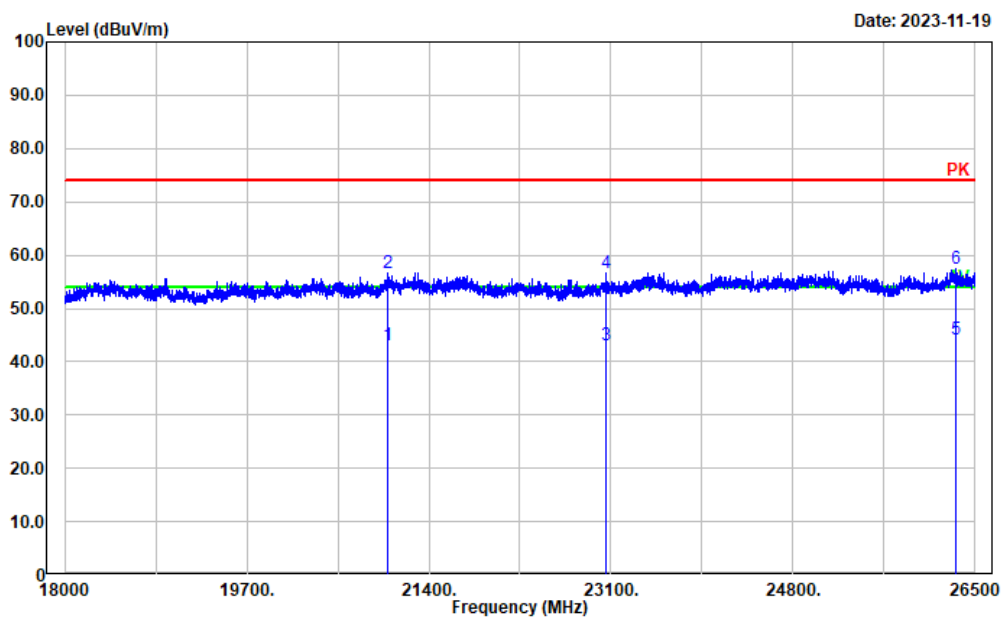
Date: 2023-11-19



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	12800.560	20.34	22.89	43.23	54.00	10.77	Average
2	12800.560	33.74	22.89	56.63	74.00	17.37	Peak
3	15210.640	22.04	25.32	47.36	54.00	6.64	Average
4	15210.640	34.84	25.32	60.16	74.00	13.84	Peak
5	16696.540	20.63	26.58	47.21	54.00	6.79	Average
6	16696.540	33.80	26.58	60.38	74.00	13.62	Peak

18-26.5GHz

Project No.: CR230955399-RF
Tester: Mack Huang
Polarization: Horizontal
Note:

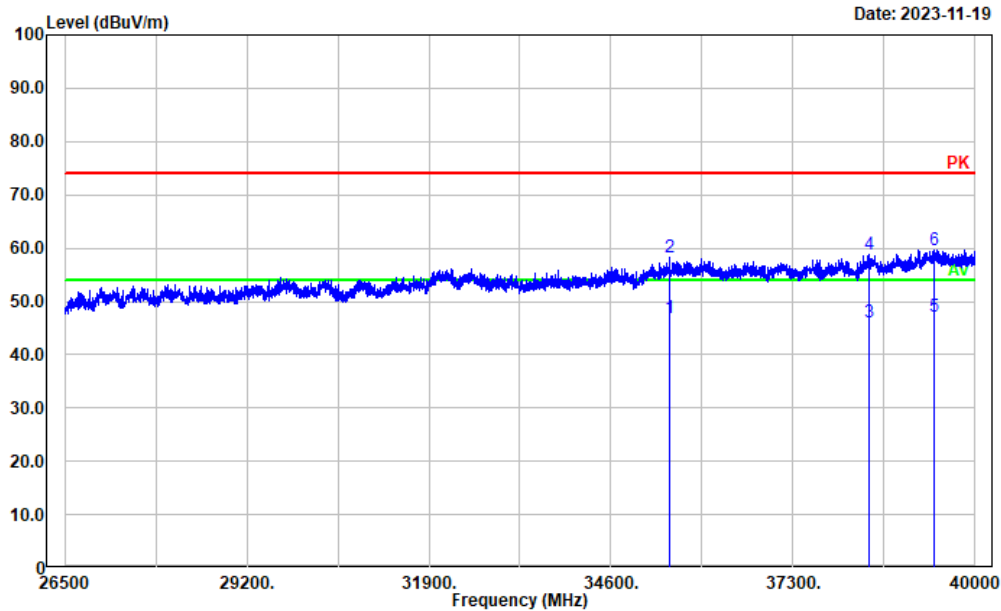


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	21021.500	38.60	4.60	43.20	54.00	10.80	Average
2	21021.500	52.17	4.60	56.77	74.00	17.23	Peak
3	23053.410	37.61	5.60	43.21	54.00	10.79	Average
4	23053.410	50.92	5.60	56.52	74.00	17.48	Peak
5	26312.960	37.31	6.90	44.21	54.00	9.79	Average
6	26312.960	50.60	6.90	57.50	74.00	16.50	Peak

26.5~40GHz

Project No.: CR230955399-RF
Tester: Mack Huang
Polarization: Horizontal
Note:

Date: 2023-11-19

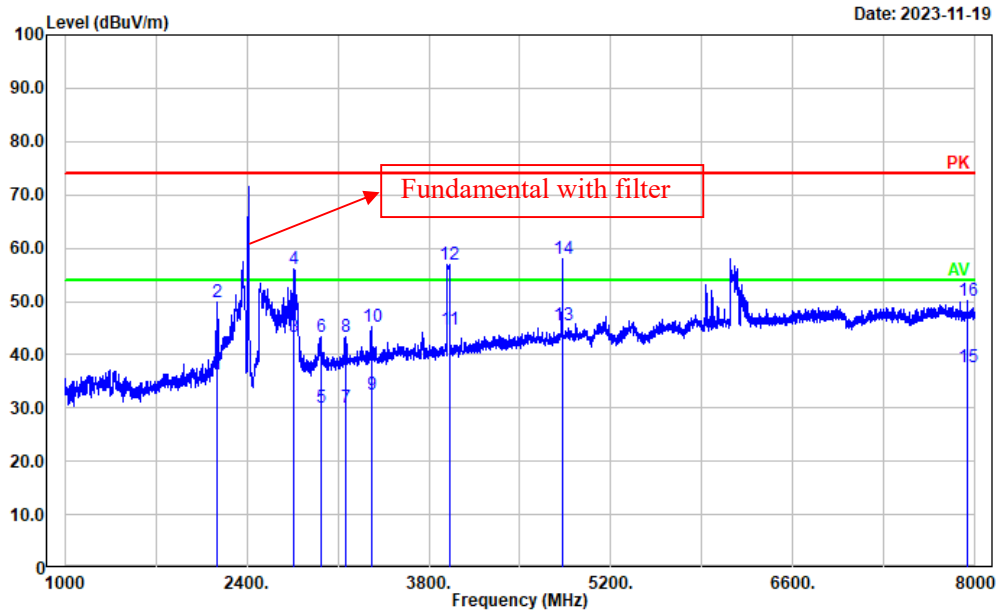


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	35465.790	41.57	5.21	46.78	54.00	7.22	Average
2	35465.790	52.97	5.21	58.18	74.00	15.82	Peak
3	38430.980	36.30	9.90	46.20	54.00	7.80	Average
4	38430.980	48.80	9.90	58.70	74.00	15.30	Peak
5	39400.480	37.06	10.17	47.23	54.00	6.77	Average
6	39400.480	49.55	10.17	59.72	74.00	14.28	Peak

Vertical
1-8GHz

Project No.: CR230955399-RF
Tester: Mack Huang
Polarization: vertical
Note:

Date: 2023-11-19

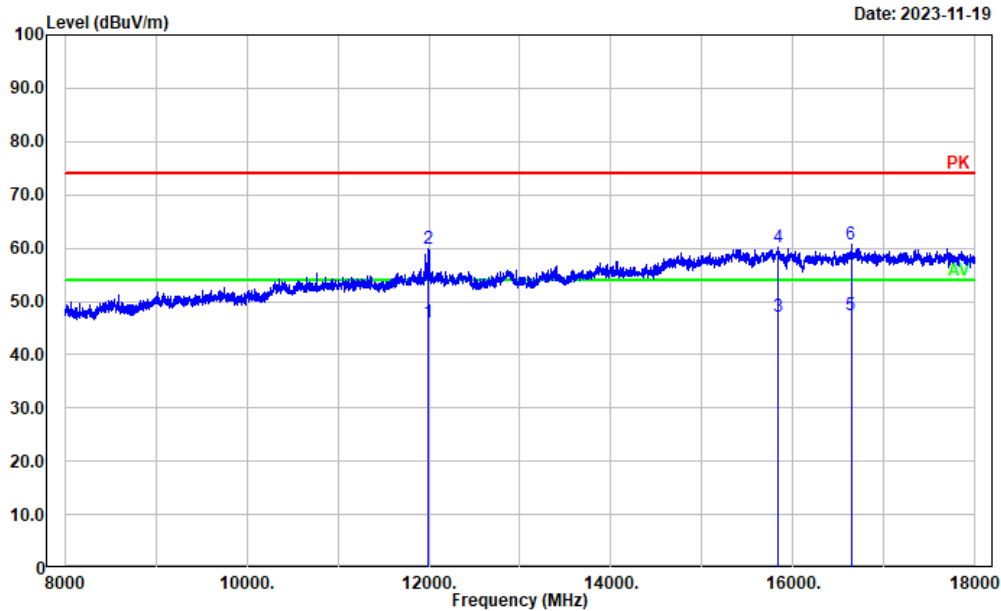


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	2169.234	33.92	2.40	36.32	54.00	17.68	Average
2	2169.234	47.46	2.40	49.86	74.00	24.14	Peak
3	2762.953	38.42	4.90	43.32	54.00	10.68	Average
4	2762.953	51.17	4.90	56.07	74.00	17.93	Peak
5	2970.194	24.89	5.31	30.20	54.00	23.80	Average
6	2970.194	38.02	5.31	43.33	74.00	30.67	Peak
7	3162.032	24.20	5.93	30.13	54.00	23.87	Average
8	3162.032	37.53	5.93	43.46	74.00	30.54	Peak
9	3359.472	26.03	6.44	32.47	54.00	21.53	Average
10	3359.472	38.95	6.44	45.39	74.00	28.61	Peak
11	3955.991	36.51	8.08	44.59	54.00	9.41	Average
12	3955.991	48.94	8.08	57.02	74.00	16.98	Peak
13	4824.165	34.27	11.26	45.53	54.00	8.47	Average
14	4824.165	46.76	11.26	58.02	74.00	15.98	Peak
15	7941.188	21.36	16.20	37.56	54.00	16.44	Average
16	7941.188	34.01	16.20	50.21	74.00	23.79	Peak

8-18GHz

Project No.: CR230955399-RF
Tester: Mack Huang
Polarization: vertical
Note:

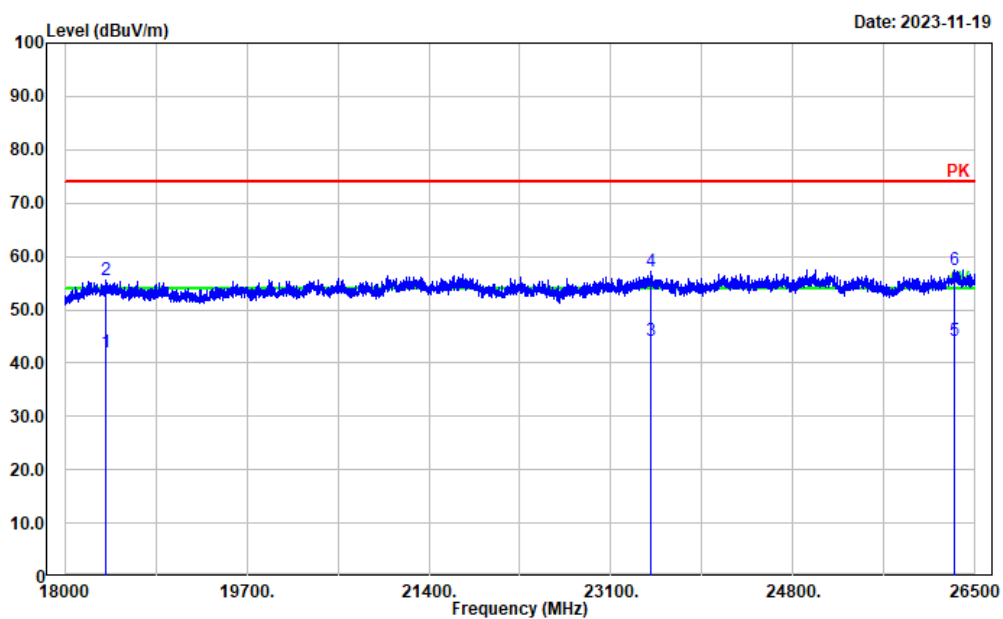
Date: 2023-11-19



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	11998.800	23.55	22.55	46.10	54.00	7.90	Average
2	11998.800	37.34	22.55	59.89	74.00	14.11	Peak
3	15839.570	22.12	25.11	47.23	54.00	6.77	Average
4	15839.570	35.02	25.11	60.13	74.00	13.87	Peak
5	16636.530	20.61	26.69	47.30	54.00	6.70	Average
6	16636.530	34.15	26.69	60.84	74.00	13.16	Peak

18-26.5GHz

Project No.: CR230955399-RF
Tester: Mack Huang
Polarization: vertical
Note:

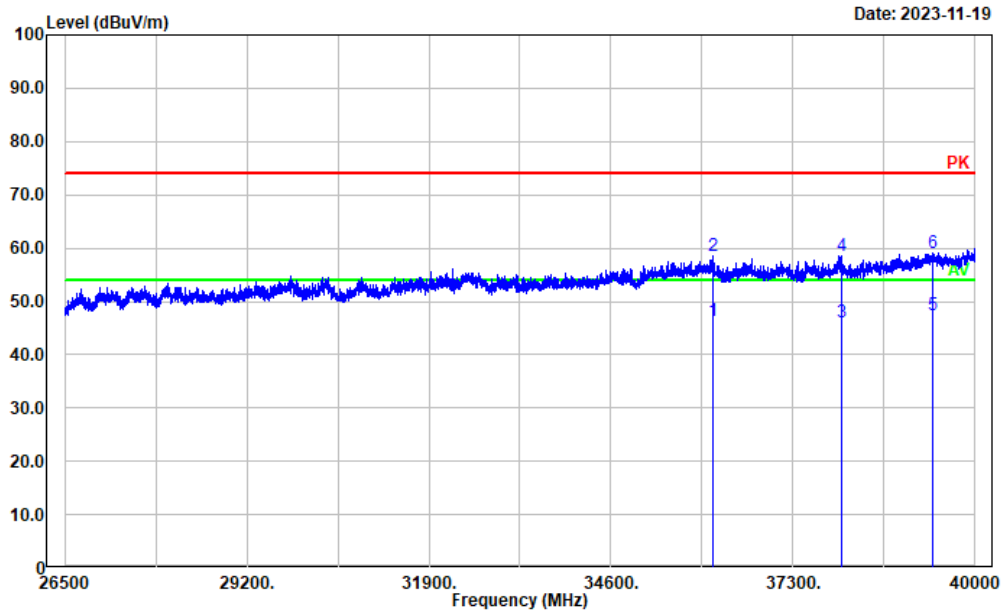


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	18389.380	37.64	4.46	42.10	54.00	11.90	Average
2	18389.380	51.18	4.46	55.64	74.00	18.36	Peak
3	23476.790	38.81	5.40	44.21	54.00	9.79	Average
4	23476.790	51.65	5.40	57.05	74.00	16.95	Peak
5	26307.860	37.30	6.90	44.20	54.00	9.80	Average
6	26307.860	50.58	6.90	57.48	74.00	16.52	Peak

26.5~40GHz

Project No.: CR230955399-RF
Tester: Mack Huang
Polarization: Vertical
Note:

Date: 2023-11-19



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	36122.020	40.60	5.77	46.37	54.00	7.63	Average
2	36122.020	52.75	5.77	58.52	74.00	15.48	Peak
3	38028.610	36.50	9.70	46.20	54.00	7.80	Average
4	38028.610	48.92	9.70	58.62	74.00	15.38	Peak
5	39370.770	37.23	10.18	47.41	54.00	6.59	Average
6	39370.770	48.86	10.18	59.04	74.00	14.96	Peak

5. EUT PHOTOGRAPHS

Please refer to the attachment CR230955399-EXP EUT EXTERNAL PHOTOGRAPHS and CR230955399-INP EUT INTERNAL PHOTOGRAPHS.

6. TEST SETUP PHOTOGRAPHS

Please refer to the attachment CR230955399-00A-TSP TEST SETUP PHOTOGRAPHS.

===== END OF REPORT =====