



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: YZZGWN7603

Product Name: 802.11ac wave-2 Wi-Fi 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: CR231167508-00C

Date Of Issue: 2024/1/19

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Title: RF Engineer

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Title: Manager

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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.

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.

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	CR231167508-00C	Original Report	2024/1/19

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

EUT Name:	802.11ac wave-2 Wi-Fi Access Point
EUT Model:	GWN7603
Trade Name:	GRANDSTREAM
Highest Operation Frequency:	5825 MHz
Rated Input Voltage:	DC 44-57V from PoE or DC 12V, 2A from adapter
Serial Number:	2DPM-1
EUT Received Date:	2023/11/15
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: AC/DC Adapter power supply& LAN Transmission M2: POE power supply& LAN Transmission
Equipment Modifications:	No
EUT Exercise Software:	Lan Test

1.2.2 Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
MASS POWER	Adapter	NBS24J120200HU	N/A
Lenovo	Laptop	T460S	60PDTEK7
Lenovo	Laptop	T460S	60PDTEK8
DELL	Laptop	E6410	GYXJ3 A00 JSD2
Tenda	Wireless Router	RX12 Pro	ED331010215000033
Huawei	Wireless Router	HG8245Q2	HG8245-001
DIGITAL	POE	G0720-480-050	3TV4E338182

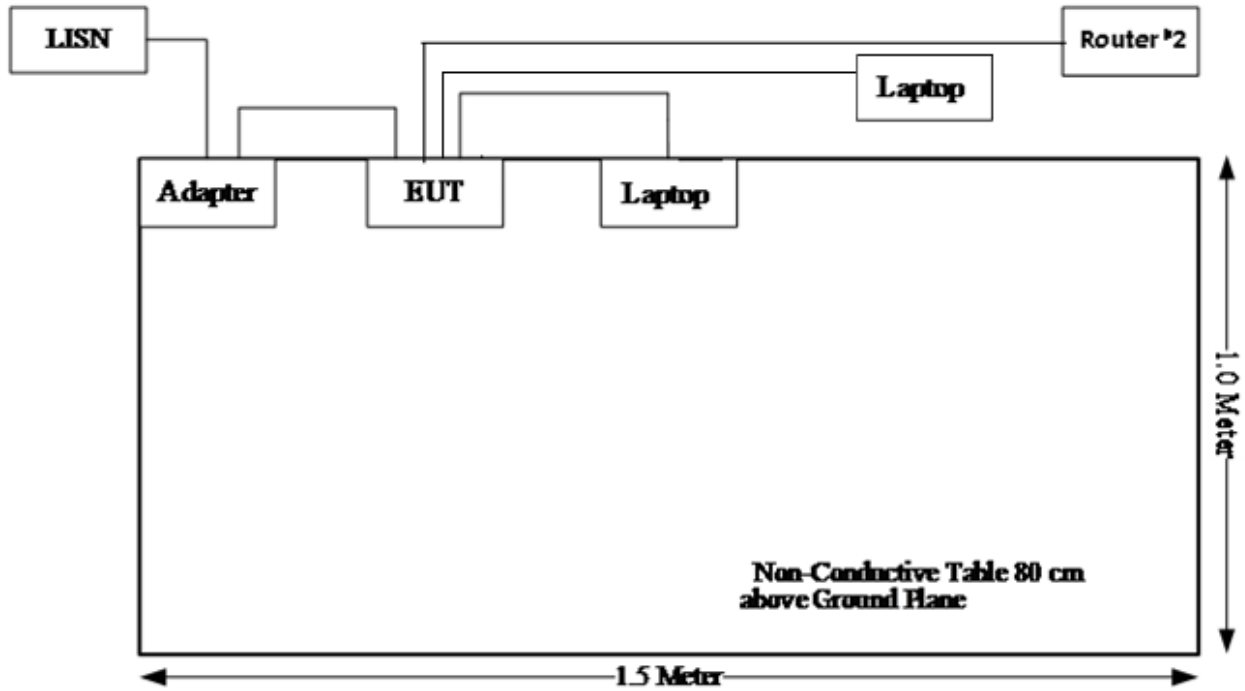
1.2.3 Support Cable List and Details

Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
RJ45 cable*2	NO	NO	2	EUT	Laptop
RJ45 cable*3	NO	NO	10	EUT	Wireless Router/Laptop
AC cable	NO	NO	1.2	POE	LISN/AC Mains
DC cable	NO	NO	1.2	EUT	Adapter
RJ45 cable	NO	NO	0.5	EUT	POE

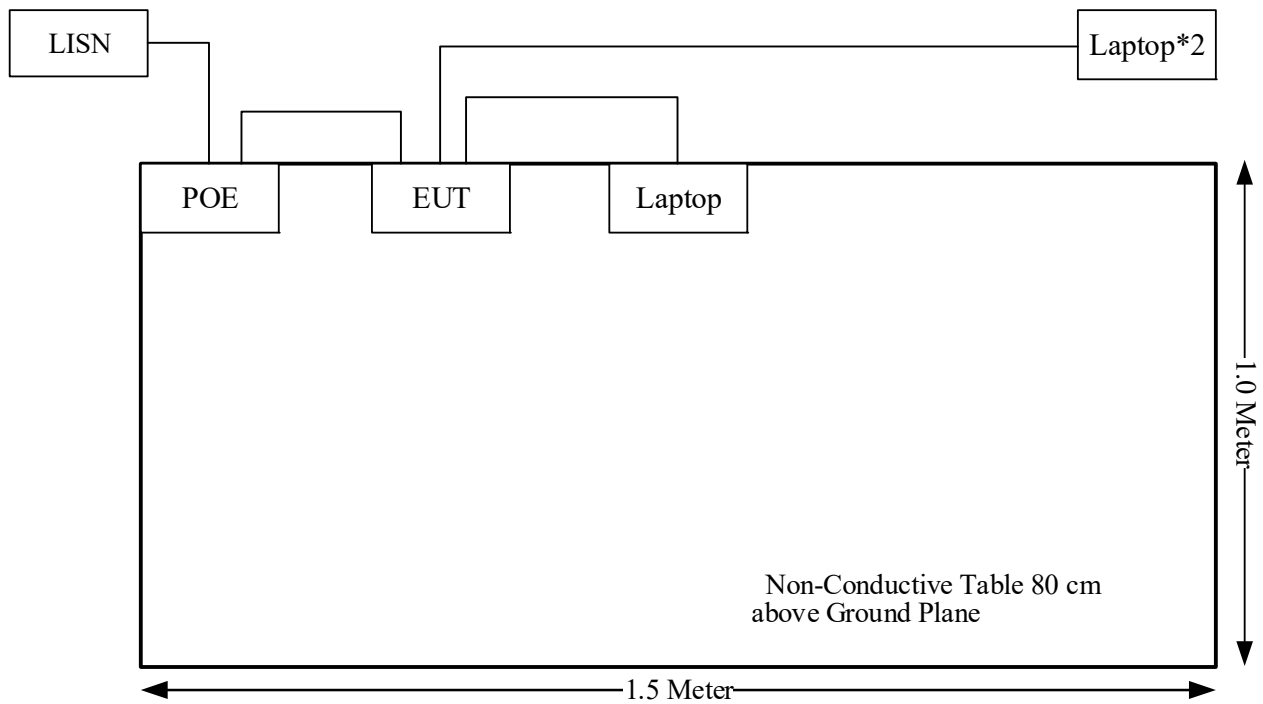
1.2.4 Block Diagram of Test Setup

Conducted emissions:

M1:

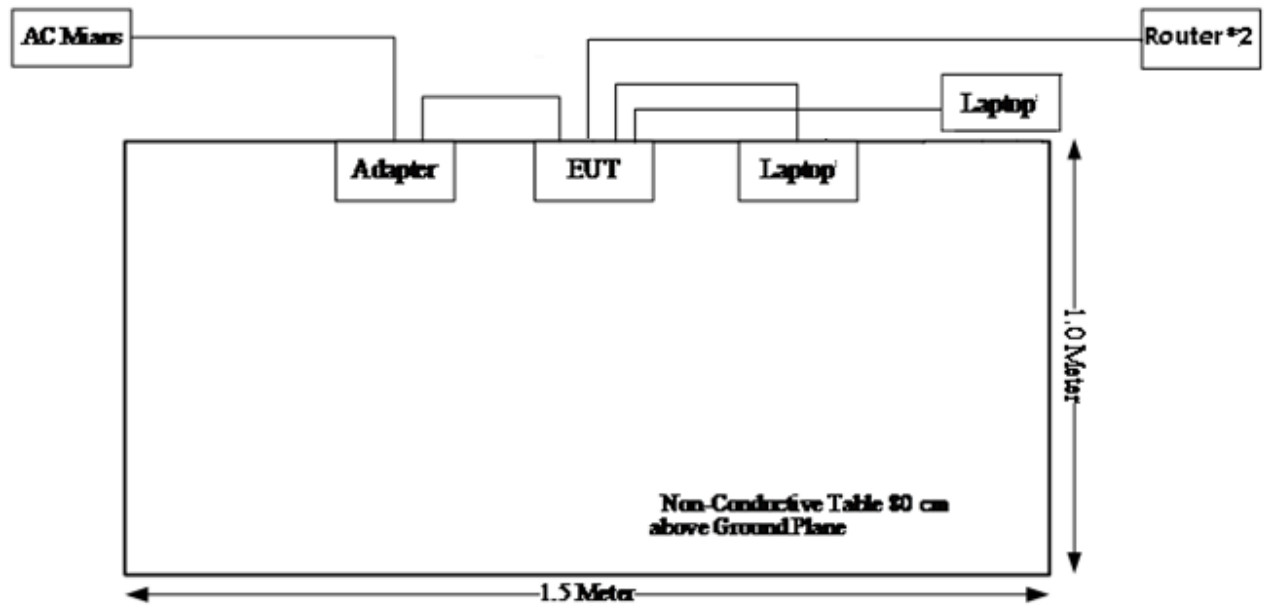


M2:

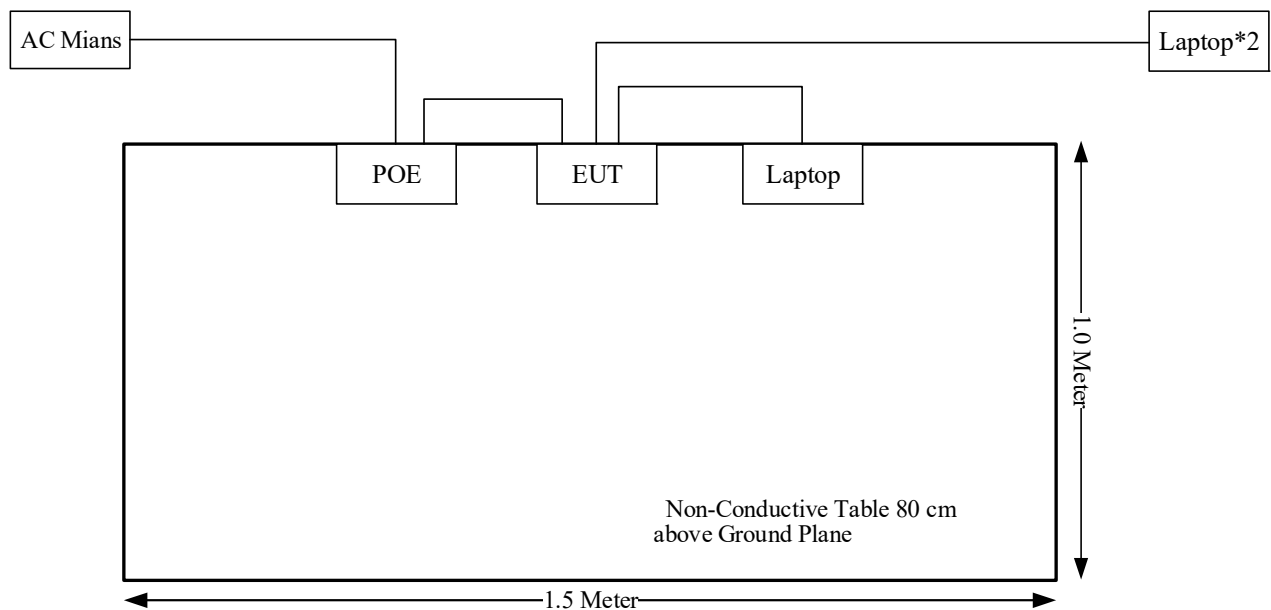


Radiated emissions:

M1:



M2:



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)

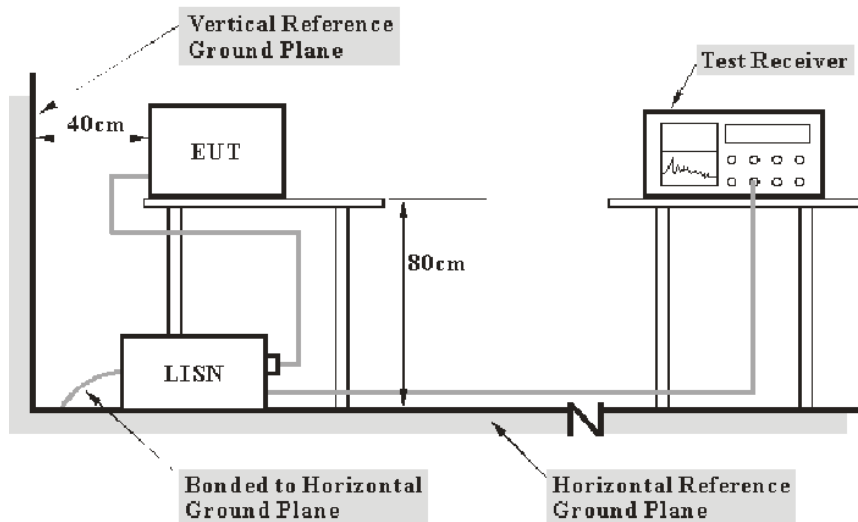
2. SUMMARY OF TEST RESULTS

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

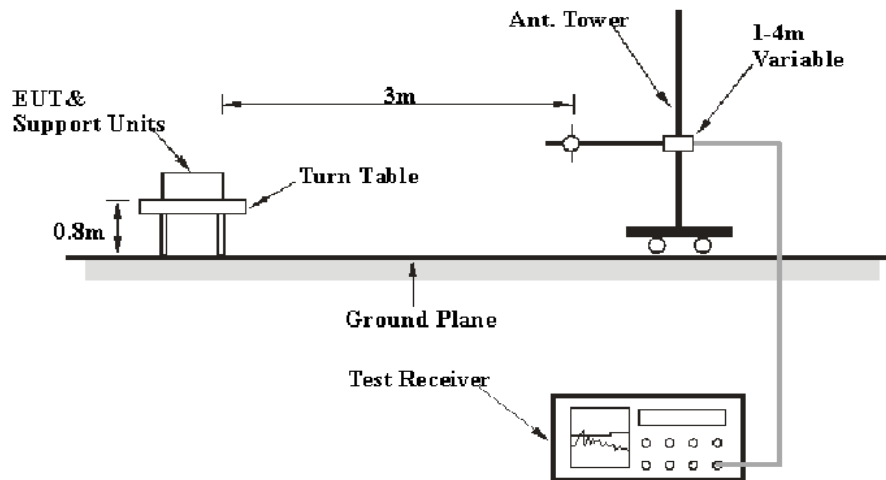
The “**Margin**” column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Result

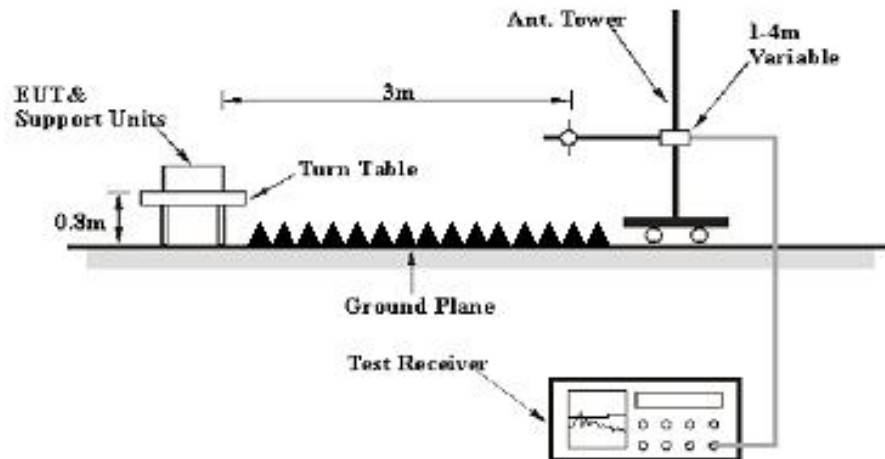
3.2 Radiation Spurious Emissions

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:	2DPM-1	Test Date:	2023/12/7~2023/12/13
Test Site:	CE	Test Mode:	M1,M2
Tester:	David Huang	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.9~27.5	Relative Humidity: (%)	42~50	ATM Pressure: (kPa)	100.8~101.5
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	LISN	ENV216	101132	2023/3/31	2024/3/30
R&S	EMI Test Receiver	ESR3	102726	2023/3/31	2024/3/30
MICRO-COAX	Coaxial Cable	UTIFLEX	C-0200-01	2023/8/6	2024/8/5
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:

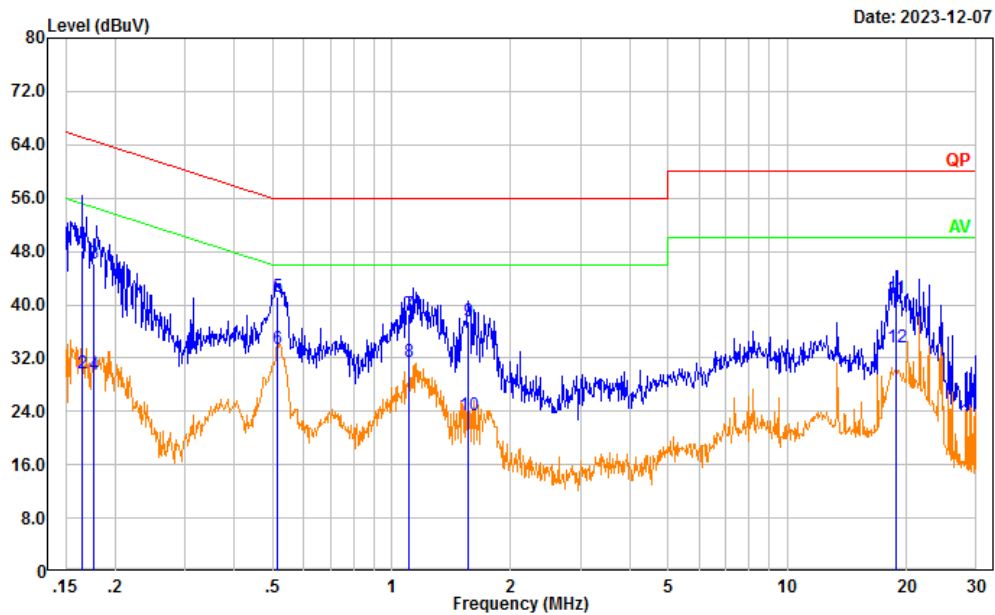
M1

Project No.: CR231167508-RF

Tester: David Huang

Port: Line

Note: M1 AC DC Adapter power supply& LAN Transmission



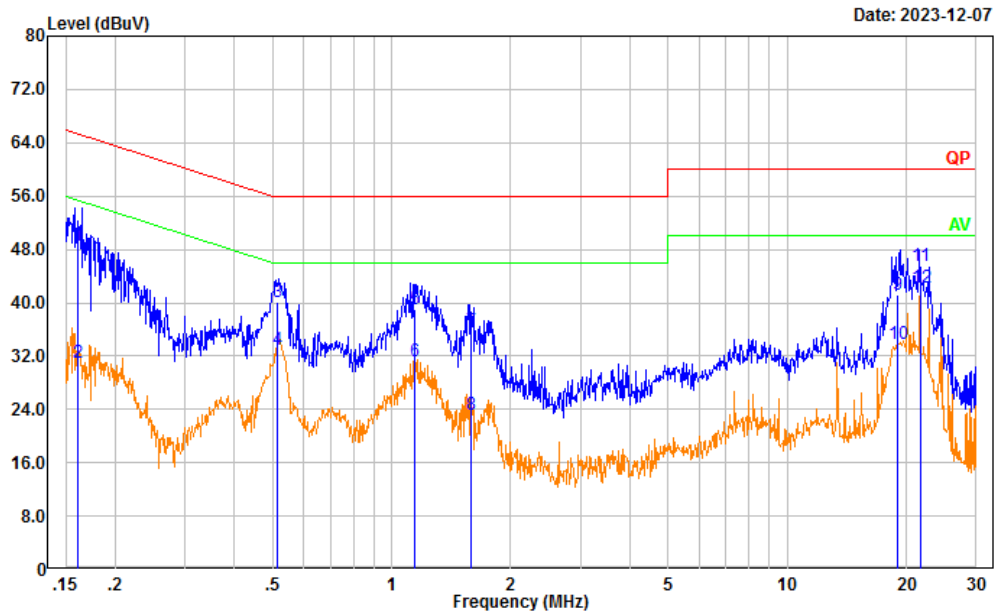
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.165	38.51	9.61	48.12	65.22	17.10	QP
2	0.165	20.07	9.61	29.68	55.22	25.54	Average
3	0.177	36.64	9.61	46.25	64.63	18.38	QP
4	0.177	19.88	9.61	29.49	54.63	25.14	Average
5	0.515	31.61	9.61	41.22	56.00	14.78	QP
6	0.515	23.79	9.61	33.40	46.00	12.60	Average
7	1.108	28.96	9.62	38.58	56.00	17.42	QP
8	1.108	21.75	9.62	31.37	46.00	14.63	Average
9	1.565	27.82	9.63	37.45	56.00	18.55	QP
10	1.565	13.77	9.63	23.40	46.00	22.60	Average
11	18.802	31.17	9.77	40.94	60.00	19.06	QP
12	18.802	23.81	9.77	33.58	50.00	16.42	Average

Project No.: CR231167508-RF

Tester: David Huang

Port: neutral

Note: M1 AC DC Adapter power supply& LAN Transmission



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.161	39.04	9.61	48.65	65.40	16.75	QP
2	0.161	21.33	9.61	30.94	55.40	24.46	Average
3	0.513	30.57	9.61	40.18	56.00	15.82	QP
4	0.513	23.29	9.61	32.90	46.00	13.10	Average
5	1.142	29.36	9.62	38.98	56.00	17.02	QP
6	1.142	21.70	9.62	31.32	46.00	14.68	Average
7	1.588	26.14	9.63	35.77	56.00	20.23	QP
8	1.588	13.60	9.63	23.23	46.00	22.77	Average
9	18.978	31.55	9.69	41.24	60.00	18.76	QP
10	18.978	24.08	9.69	33.77	50.00	16.23	Average
11	21.661	35.74	9.73	45.47	60.00	14.53	QP
12	21.661	32.63	9.73	42.36	50.00	7.64	Average

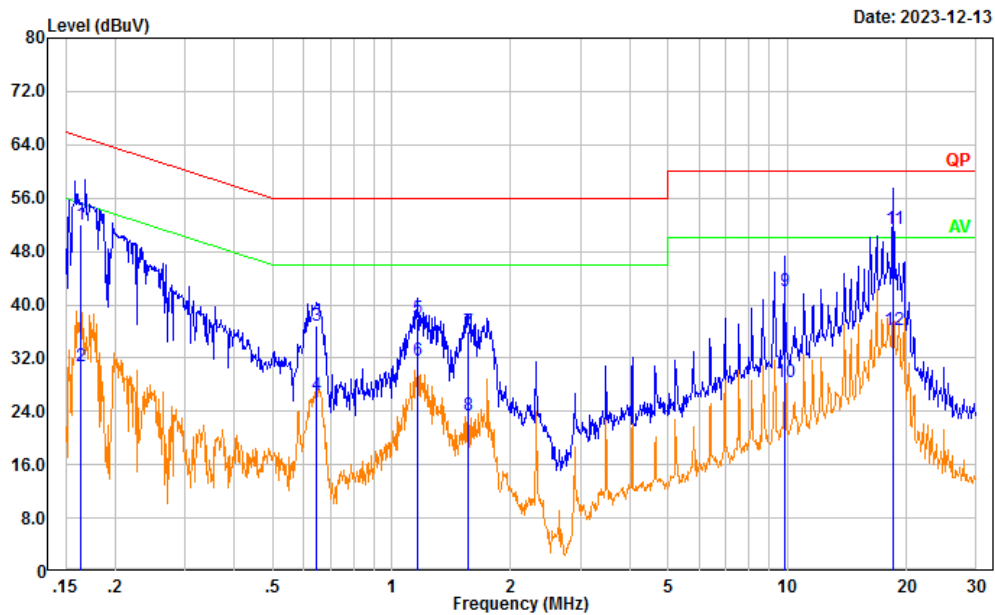
M2

Project No.: CR231167508-RF

Tester: David Huang

Port: Line

Note: M2 POE power supply& LAN Transmission



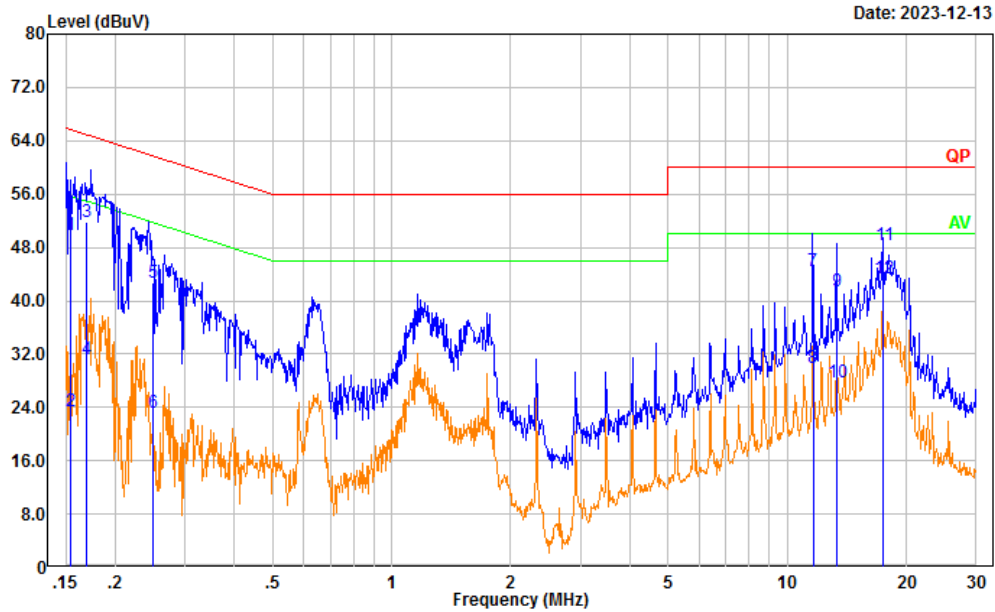
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.163	42.46	9.61	52.07	65.29	13.22	QP
2	0.163	21.24	9.61	30.85	55.29	24.44	Average
3	0.643	27.17	9.62	36.79	56.00	19.21	QP
4	0.643	16.74	9.62	26.36	46.00	19.64	Average
5	1.166	28.23	9.62	37.85	56.00	18.15	QP
6	1.166	21.99	9.62	31.61	46.00	14.39	Average
7	1.565	26.29	9.63	35.92	56.00	20.08	QP
8	1.565	13.85	9.63	23.48	46.00	22.52	Average
9	9.848	32.33	9.67	42.00	60.00	18.00	QP
10	9.848	18.72	9.67	28.39	50.00	21.61	Average
11	18.538	41.53	9.76	51.29	60.00	8.71	QP
12	18.538	26.46	9.76	36.22	50.00	13.78	Average

Project No.: CR231167508-RF

Tester: David Huang

Port: Neutral

Note: M2 POE power supply& LAN Transmission



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.154	40.33	9.61	49.94	65.76	15.82	QP
2	0.154	13.78	9.61	23.39	55.76	32.37	Average
3	0.169	42.13	9.61	51.74	65.01	13.27	QP
4	0.169	21.69	9.61	31.30	55.01	23.71	Average
5	0.250	33.13	9.61	42.74	61.75	19.01	QP
6	0.250	13.55	9.61	23.16	51.75	28.59	Average
7	11.606	34.81	9.67	44.48	60.00	15.52	QP
8	11.606	20.24	9.67	29.91	50.00	20.09	Average
9	13.344	31.64	9.68	41.32	60.00	18.68	QP
10	13.344	18.02	9.68	27.70	50.00	22.30	Average
11	17.489	38.61	9.69	48.30	60.00	11.70	QP
12	17.489	33.69	9.69	43.38	50.00	6.62	Average

4.2 Radiation Spurious Emissions

Serial Number:	2DPM-1	Test Date:	2023/12/27~2024/1/11
Test Site:	966-1, 966-2	Test Mode:	M1,M2
Tester:	Vic Du, Tao Zhu	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	24.2~26.3	Relative Humidity: (%)	44~57	ATM Pressure: (kPa)	101.7~101.4
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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

* 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).

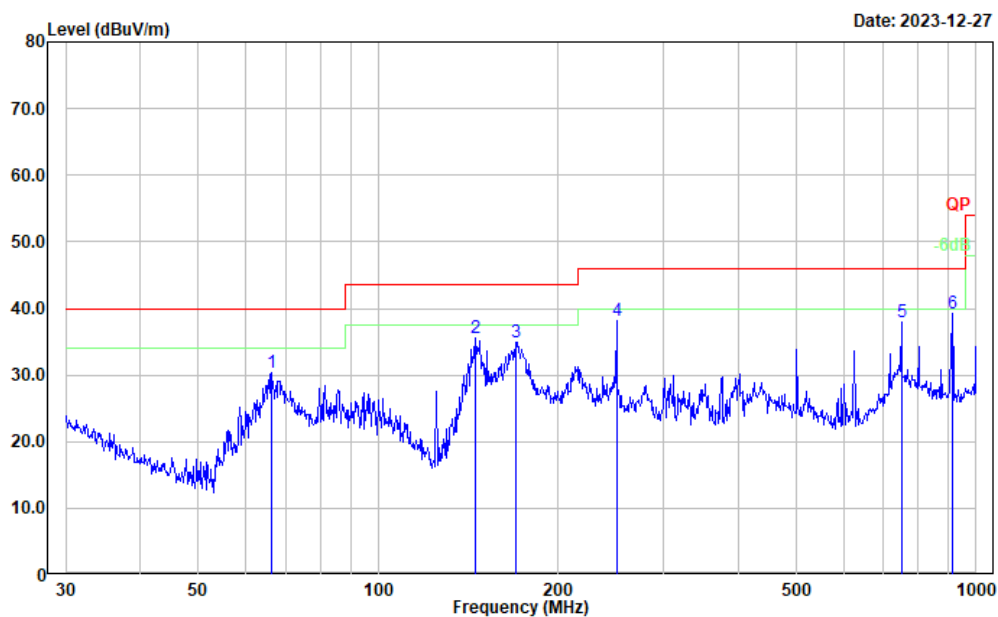
Test Data:

Please refer to the below table and plots.

1) 30MHz-1GHz:

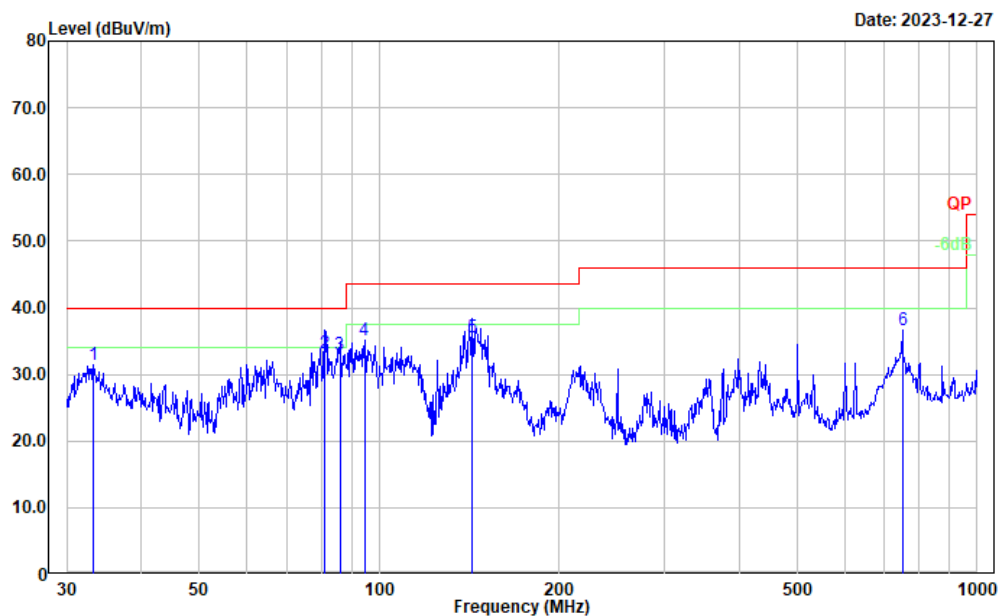
M1

Project No.: CR231167508-RF
Tester: Vic Du
Polarization: horizontal
Note: AC/DC Adapter power supply& LAN Transmission



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	66.266	47.58	-17.20	30.38	40.00	9.62	Peak
2	145.351	47.73	-12.15	35.58	43.50	7.92	Peak
3	169.599	48.09	-13.14	34.95	43.50	8.55	Peak
4	250.301	51.82	-13.61	38.21	46.00	7.79	Peak
5	750.108	41.31	-3.33	37.98	46.00	8.02	Peak
6	912.862	40.04	-0.86	39.18	46.00	6.82	Peak

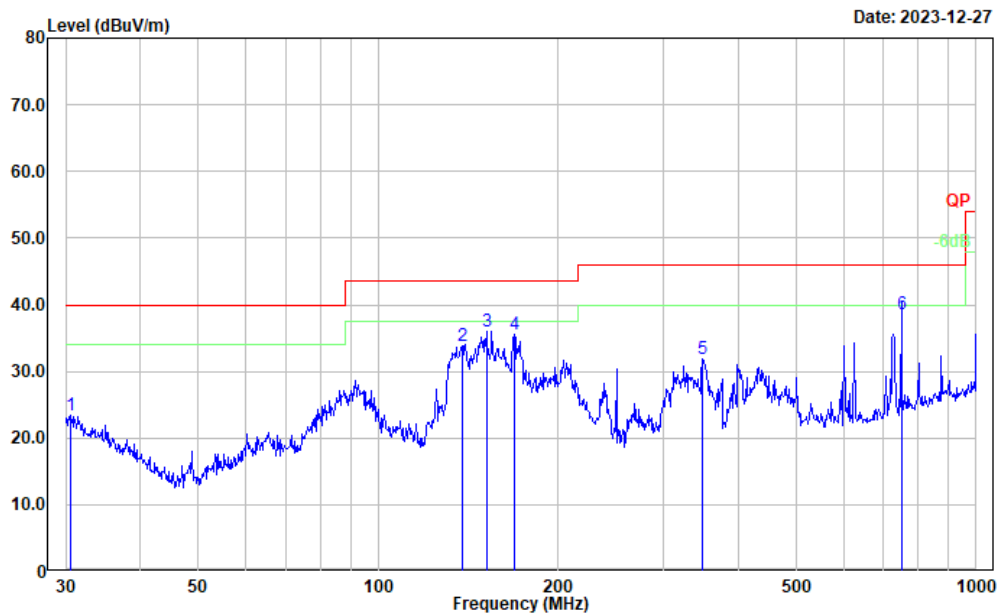
Project No.: CR231167508-RF
Tester: Vic Du
Polarization: vertical
Note: AC/DC Adapter power supply& LAN Transmission



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	33.328	38.21	-6.67	31.54	40.00	8.46	Peak
2	81.218	50.85	-17.74	33.11	40.00	6.89	QP
3	85.898	50.39	-17.49	32.90	40.00	7.10	QP
4	94.428	51.27	-16.10	35.17	43.50	8.33	Peak
5	143.275	47.75	-12.13	35.62	43.50	7.88	QP
6	750.108	39.93	-3.33	36.60	46.00	9.40	Peak

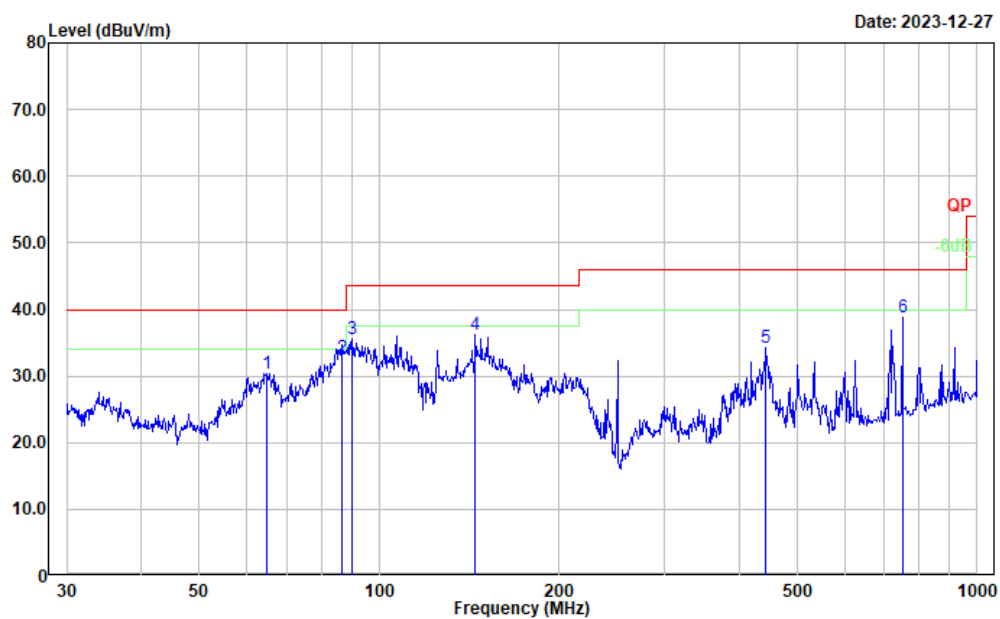
M2

Project No.: CR231167508-RF
Tester: Vic Du
Polarization: horizontal
Note: POE power supply& LAN Transmission



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.638	28.04	-4.61	23.43	40.00	16.57	Peak
2	137.903	45.90	-12.01	33.89	43.50	9.61	Peak
3	151.597	48.34	-12.26	36.08	43.50	7.42	Peak
4	169.005	48.68	-13.10	35.58	43.50	7.92	Peak
5	348.027	42.19	-10.37	31.82	46.00	14.18	Peak
6	750.108	41.89	-3.33	38.56	46.00	7.44	QP

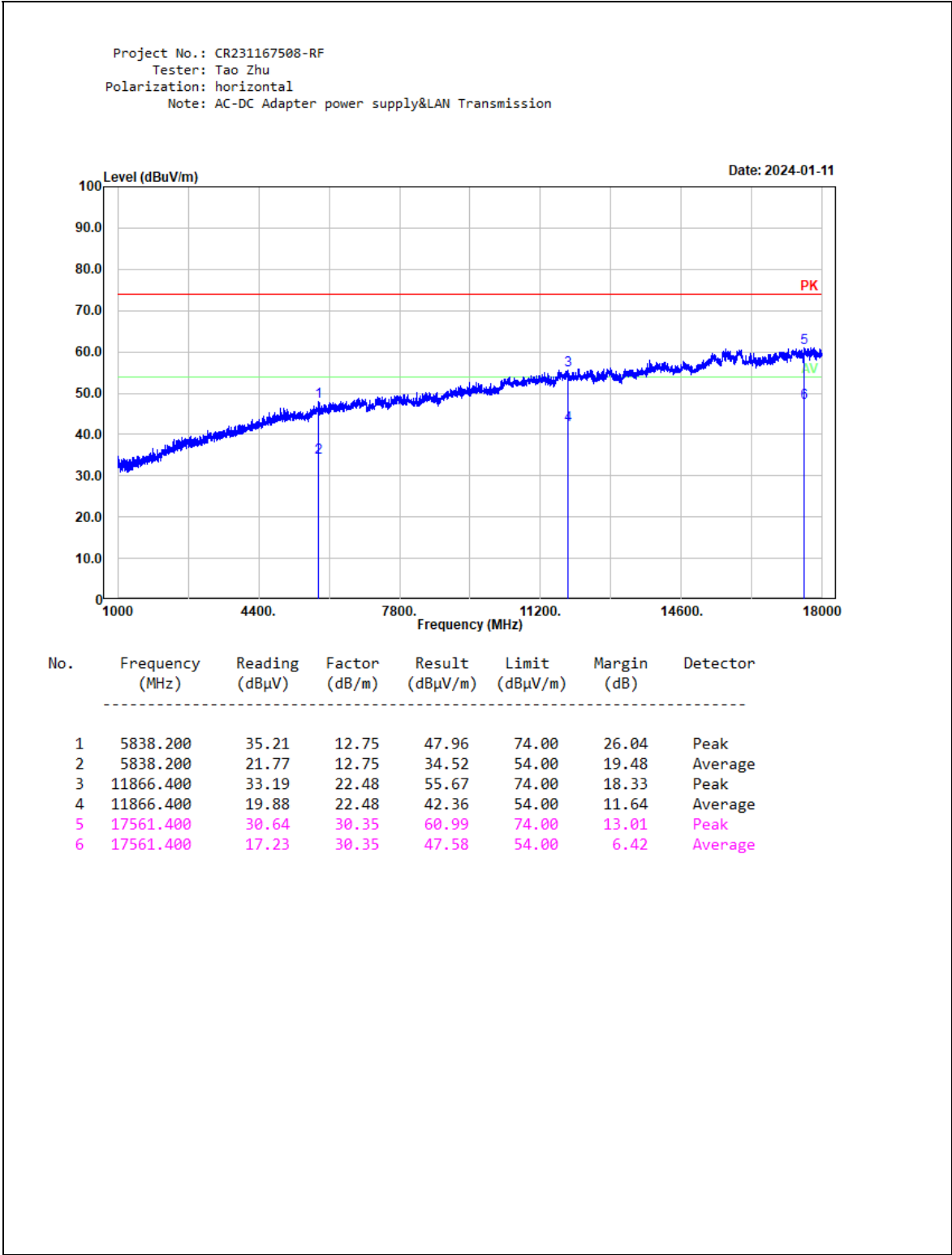
Project No.: CR231167508-RF
Tester: Vic Du
Polarization: vertical
Note: POE power supply& LAN Transmission



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	64.887	47.75	-17.29	30.46	40.00	9.54	Peak
2	86.807	50.10	-17.43	32.67	40.00	7.33	QP
3	90.220	52.71	-17.18	35.53	43.50	7.97	Peak
4	144.842	48.42	-12.14	36.28	43.50	7.22	Peak
5	443.294	41.72	-7.49	34.23	46.00	11.77	Peak
6	750.108	42.07	-3.33	38.74	46.00	7.26	Peak

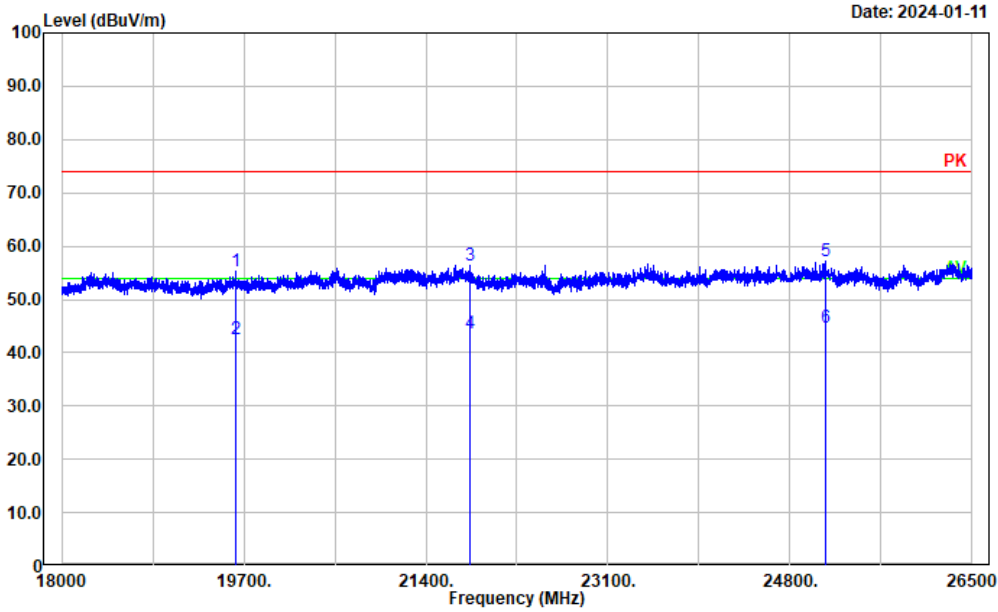
2) Above 1GHz:
M1

Horizontal
1-18 GHz



18-26.5GHz

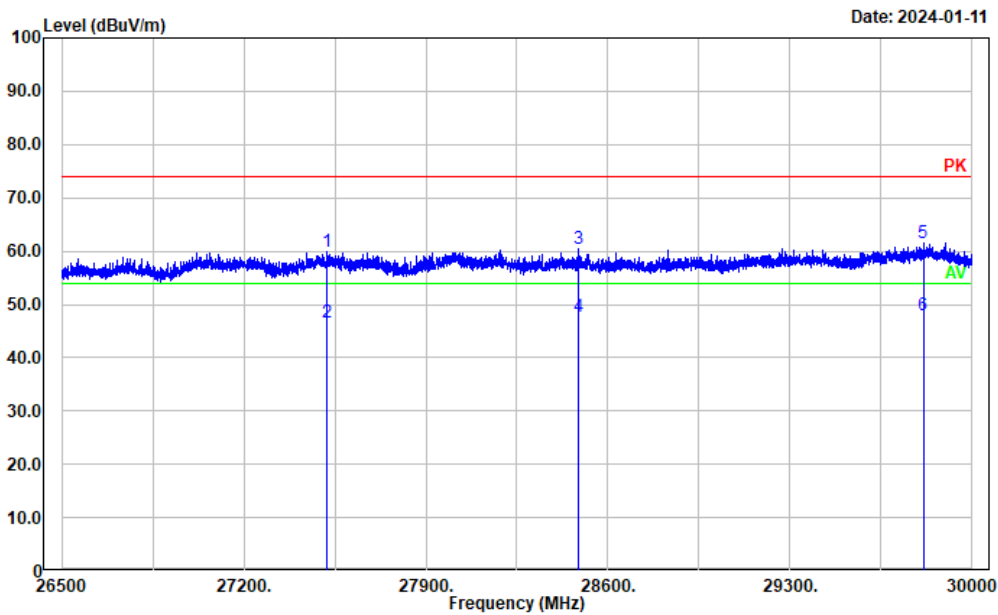
Project No.: CR231167508-RF
Tester: Tao Zhu
Polarization: Horizontal
Note: AC-DC Adapter power supply&LAN Transmission



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	19620.100	50.71	4.70	55.41	74.00	18.59	Peak
2	19620.100	37.80	4.70	42.50	54.00	11.50	Average
3	21809.700	51.56	4.91	56.47	74.00	17.53	Peak
4	21809.700	38.75	4.91	43.66	54.00	10.34	Average
5	25134.900	50.22	6.84	57.06	74.00	16.94	Peak
6	25134.900	37.74	6.84	44.58	54.00	9.42	Average

26.5~30GHz

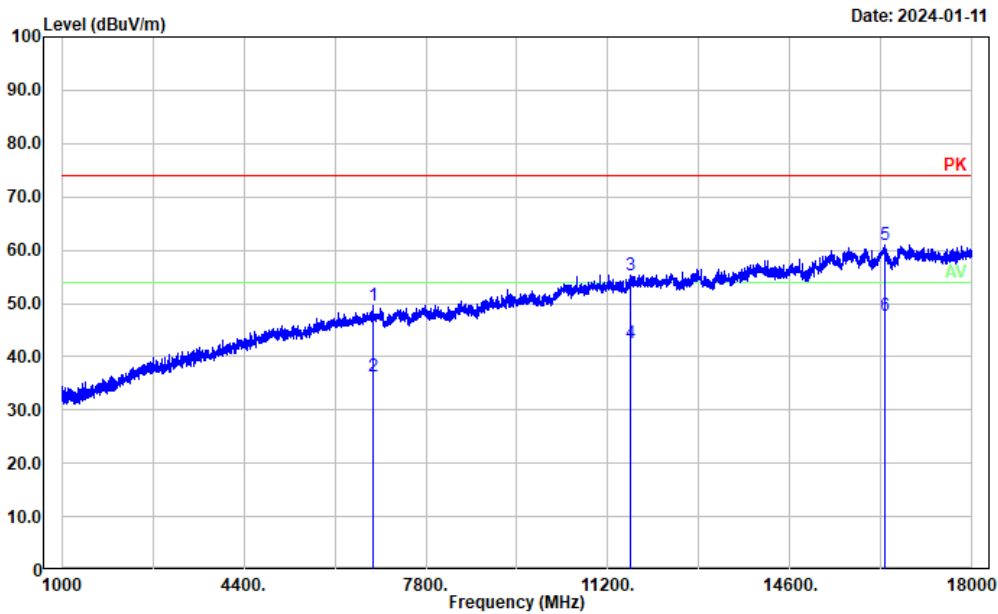
Project No.: CR231167508-RF
Tester: Tao Zhu
Polarization: Horizontal
Note: AC-DC Adapter power supply&LAN Transmission



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	27520.600	51.68	8.31	59.99	74.00	14.01	Peak
2	27520.600	38.27	8.31	46.58	54.00	7.42	Average
3	28483.800	50.53	9.89	60.42	74.00	13.58	Peak
4	28483.800	37.77	9.89	47.66	54.00	6.34	Average
5	29811.700	50.02	11.42	61.44	74.00	12.56	Peak
6	29811.700	36.44	11.42	47.86	54.00	6.14	Average

Vertical
1-18GHz

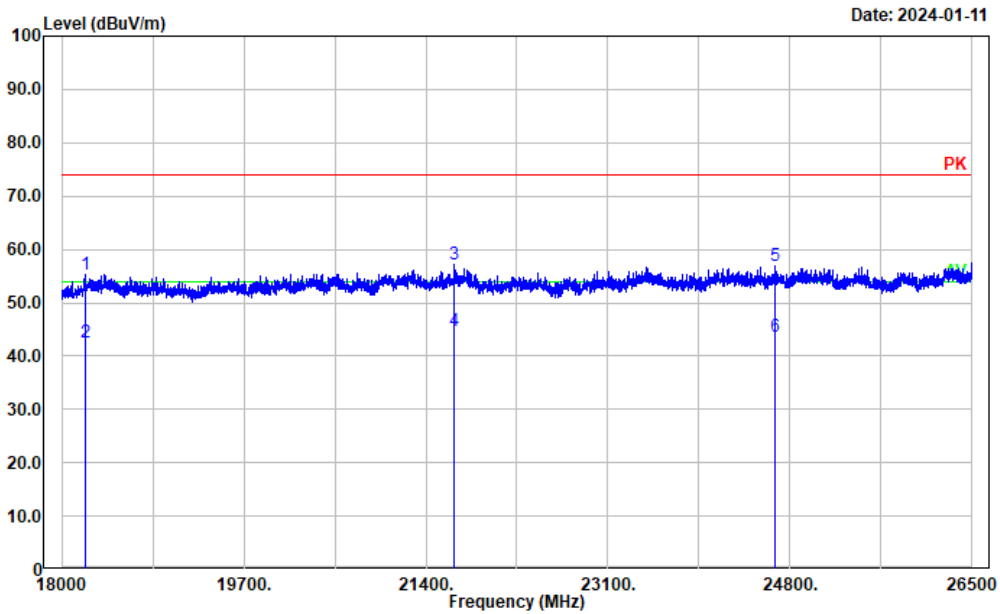
Project No.: CR231167508-RF
Tester: Tao Zhu
Polarization: vertical
Note: AC-DC Adapter power supply&LAN Transmission



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	6820.800	34.76	14.81	49.57	74.00	24.43	Peak
2	6820.800	21.58	14.81	36.39	54.00	17.61	Average
3	11614.800	33.51	21.89	55.40	74.00	18.60	Peak
4	11614.800	20.69	21.89	42.58	54.00	11.42	Average
5	16371.400	35.15	25.71	60.86	74.00	13.14	Peak
6	16371.400	21.94	25.71	47.65	54.00	6.35	Average

18-26.5GHz

Project No.: CR231167508-RF
Tester: Tao Zhu
Polarization: vertical
Note: AC-DC Adapter power supply&LAN Transmission

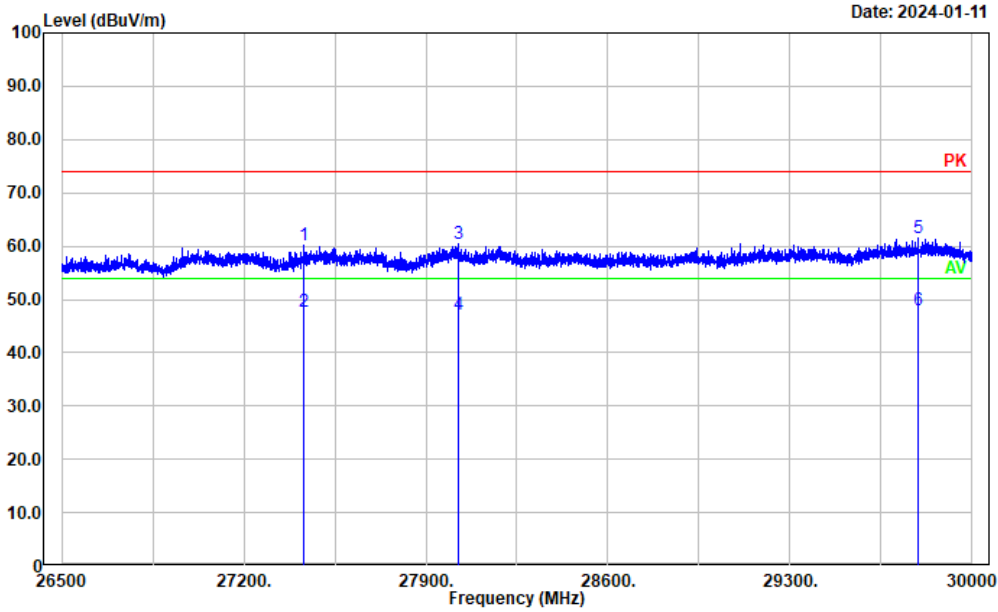


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector

1	18226.100	50.74	4.49	55.23	74.00	18.77	Peak
2	18226.100	38.03	4.49	42.52	54.00	11.48	Average
3	21660.100	52.33	4.80	57.13	74.00	16.87	Peak
4	21660.100	39.89	4.80	44.69	54.00	9.31	Average
5	24665.700	51.38	5.40	56.78	74.00	17.22	Peak
6	24665.700	38.17	5.40	43.57	54.00	10.43	Average

26.5~30GHz

Project No.: CR231167508-RF
Tester: Tao Zhu
Polarization: Vertical
Note: AC-DC Adapter power supply&LAN Transmission

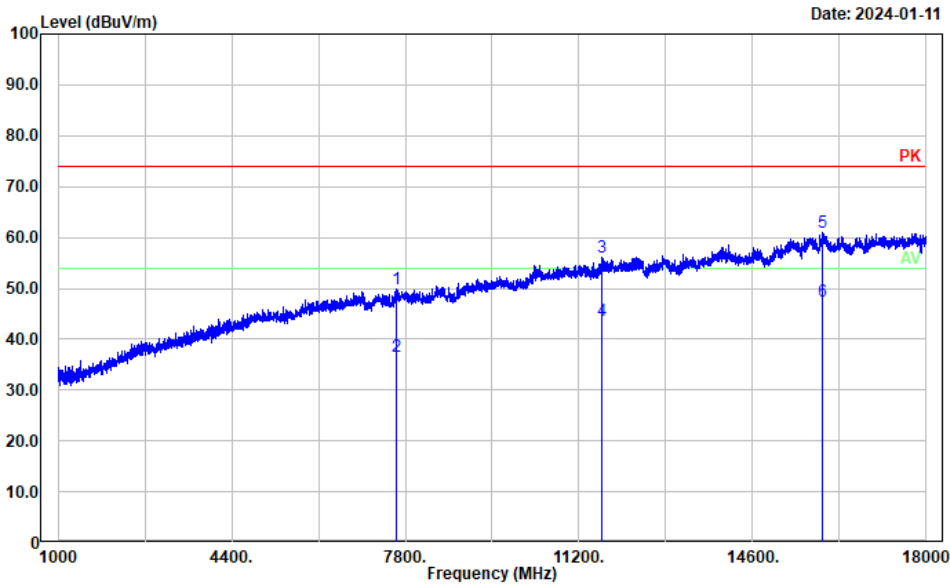


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	27431.700	51.92	8.34	60.26	74.00	13.74	Peak
2	27431.700	39.31	8.34	47.65	54.00	6.35	Average
3	28025.300	51.13	9.39	60.52	74.00	13.48	Peak
4	28025.300	37.86	9.39	47.25	54.00	6.75	Average
5	29792.800	50.03	11.44	61.47	74.00	12.53	Peak
6	29792.800	36.46	11.44	47.90	54.00	6.10	Average

M2

Horizontal
1-18 GHz

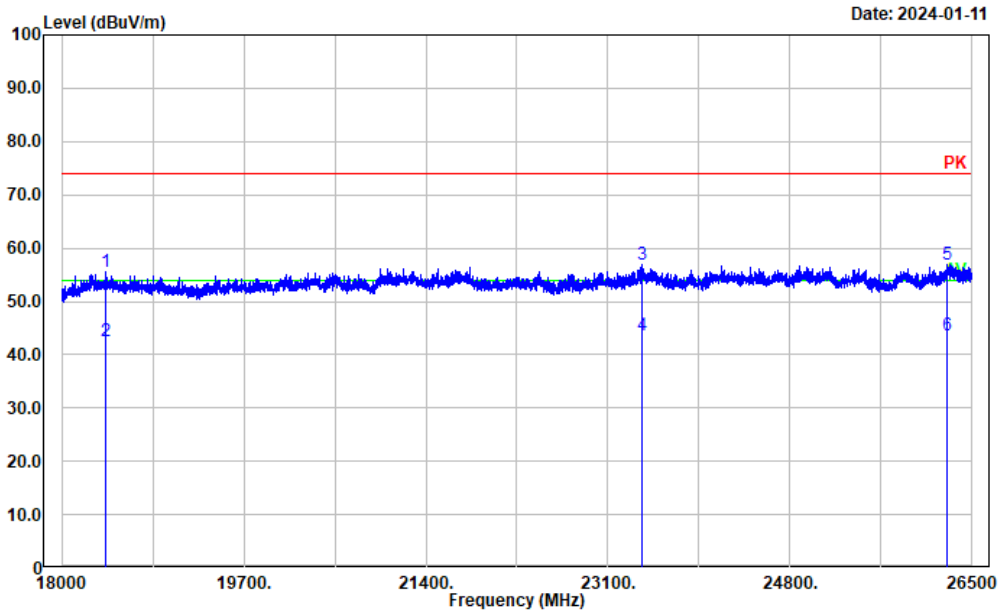
Project No.: CR231167508-RF
Tester: Tao Zhu
Polarization: horizontal
Note: POE power supply&LAN Transmission



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	7630.000	33.65	16.13	49.78	74.00	24.22	Peak
2	7630.000	20.50	16.13	36.63	54.00	17.37	Average
3	11652.200	34.18	22.05	56.23	74.00	17.77	Peak
4	11652.200	21.47	22.05	43.52	54.00	10.48	Average
5	15966.800	35.64	25.22	60.86	74.00	13.14	Peak
6	15966.800	22.32	25.22	47.54	54.00	6.46	Average

18-26.5GHz

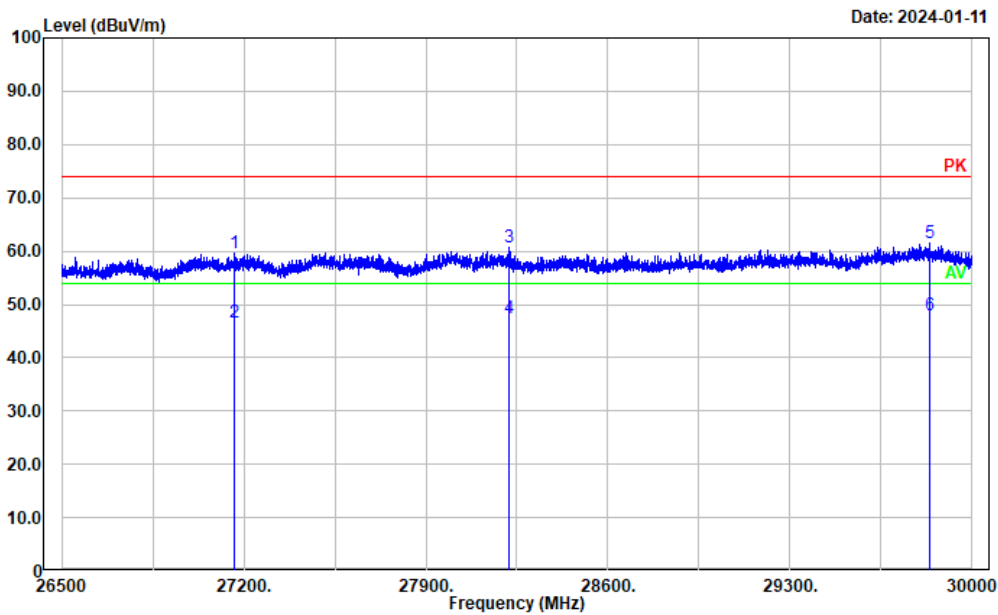
Project No.: CR231167508-RF
Tester: Tao Zhu
Polarization: Horizontal
Note: POE power supply&LAN Transmission



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	18411.400	51.04	4.44	55.48	74.00	18.52	Peak
2	18411.400	38.08	4.44	42.52	54.00	11.48	Average
3	23412.800	51.43	5.40	56.83	74.00	17.17	Peak
4	23412.800	38.26	5.40	43.66	54.00	10.34	Average
5	26260.300	49.83	7.02	56.85	74.00	17.15	Peak
6	26260.300	36.67	7.02	43.69	54.00	10.31	Average

26.5~30GHz

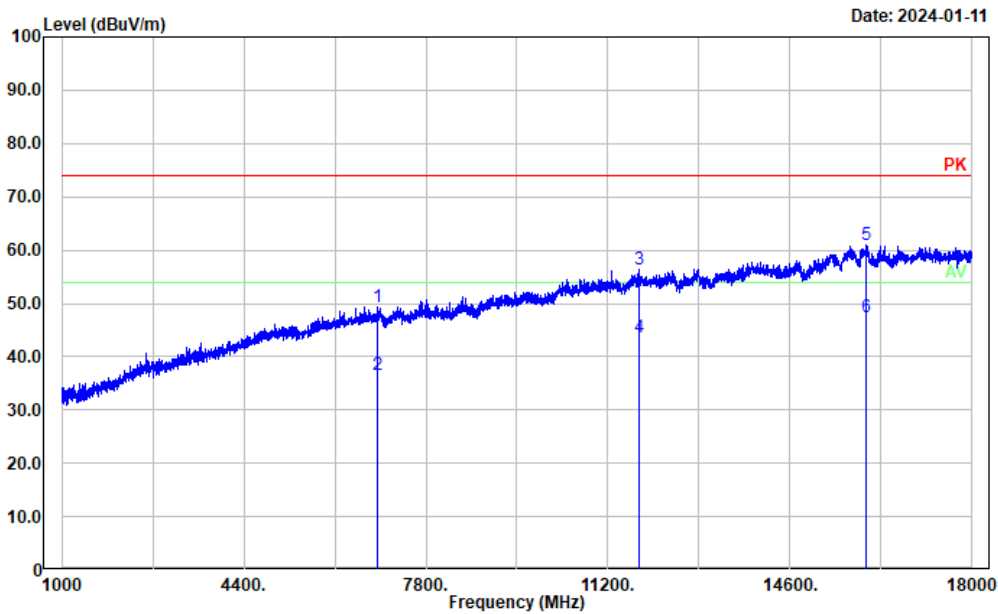
Project No.: CR231167508-RF
Tester: Tao Zhu
Polarization: Horizontal
Note: POE power supply&LAN Transmission



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	27162.900	51.40	8.11	59.51	74.00	14.49	Peak
2	27162.900	38.55	8.11	46.66	54.00	7.34	Average
3	28218.500	52.16	8.46	60.62	74.00	13.38	Peak
4	28218.500	38.97	8.46	47.43	54.00	6.57	Average
5	29837.600	50.18	11.39	61.57	74.00	12.43	Peak
6	29837.600	36.48	11.39	47.87	54.00	6.13	Average

Vertical
1-18GHz

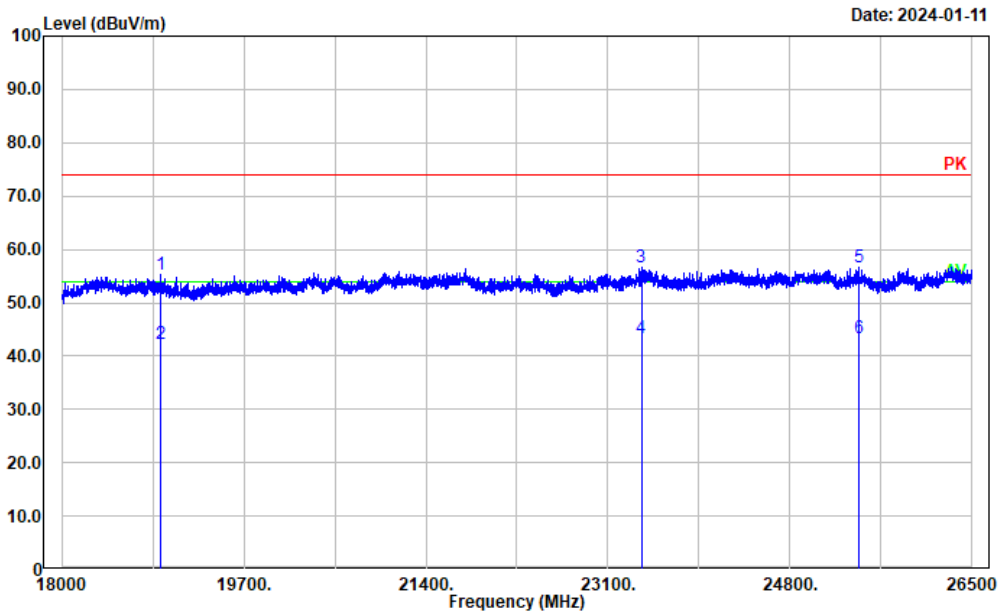
Project No.: CR231167508-RF
Tester: Tao Zhu
Polarization: vertical
Note: POE power supply&LAN Transmission



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	6905.800	34.53	14.88	49.41	74.00	24.59	Peak
2	6905.800	21.64	14.88	36.52	54.00	17.48	Average
3	11791.600	34.05	22.21	56.26	74.00	17.74	Peak
4	11791.600	21.30	22.21	43.51	54.00	10.49	Average
5	16021.200	35.75	25.23	60.98	74.00	13.02	Peak
6	16021.200	22.24	25.23	47.47	54.00	6.53	Average

18-26.5GHz

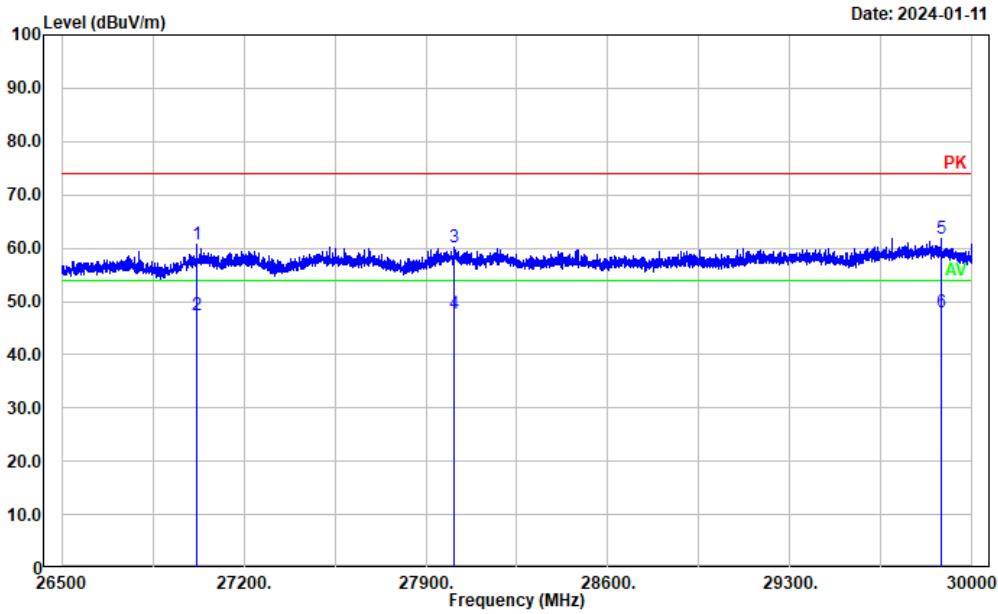
Project No.: CR231167508-RF
Tester: Tao Zhu
Polarization: vertical
Note: POE power supply&LAN Transmission



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	18926.500	50.33	4.83	55.16	74.00	18.84	Peak
2	18926.500	37.45	4.83	42.28	54.00	11.72	Average
3	23411.100	51.30	5.40	56.70	74.00	17.30	Peak
4	23411.100	37.96	5.40	43.36	54.00	10.64	Average
5	25442.600	50.18	6.39	56.57	74.00	17.43	Peak
6	25442.600	37.00	6.39	43.39	54.00	10.61	Average

26.5~30GHz

Project No.: CR231167508-RF
Tester: Tao Zhu
Polarization: Vertical
Note: POE power supply&LAN Transmission



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	27017.300	52.80	7.81	60.61	74.00	13.39	Peak
2	27017.300	39.57	7.81	47.38	54.00	6.62	Average
3	28010.600	50.59	9.45	60.04	74.00	13.96	Peak
4	28010.600	38.13	9.45	47.58	54.00	6.42	Average
5	29882.400	50.46	11.35	61.81	74.00	12.19	Peak
6	29882.400	36.57	11.35	47.92	54.00	6.08	Average

5. EUT PHOTOGRAPHS

Please refer to the attachment CR231167508-EXP EUT EXTERNAL PHOTOGRAPHS and CR231167508-INP EUT INTERNAL PHOTOGRAPHS.

6. TEST SETUP PHOTOGRAPHS

Please refer to the attachment CR231167508-00C-TSP TEST SETUP PHOTOGRAPHS.

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