

**FCC TEST REPORT**

For

Hangzhou Dukang Technology CO., LTD

MirrorPad Hyper Magnifier

Test Model: MVM012A

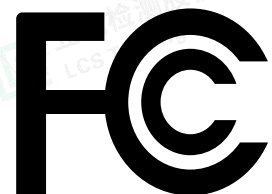
Additional Model No.: MVM012B, MVM012C, MVM012D

Prepared for : Hangzhou Dukang Technology CO., LTD
Address : Room 605, Building 1, Yunhong, Wuchang Street,
Yuhang District, Hangzhou City, Zhejiang

Prepared by : Shenzhen LCS Compliance Testing Laboratory Ltd.
Address : Room 101, 201, Building A and Room 301, Building C,
Juji Industrial Park, Yabianxueziwei, Shajing Street,
Bao'an District, Shenzhen, Guangdong, China

Tel : +(86) 0755-82591330
Fax : +(86) 0755-82591332
Web : www.lcs-cert.com
Mail : webmaster@lcs-cert.com

Date of receipt of test sample : November 28, 2024
Number of tested samples : 1
Serial number : Prototype
Date of Test : November 28, 2024 to December 27, 2024
Date of Report : December 28, 2024



**TEST REPORT****Report No.** : LCSA11254096E**Date of Issue** : December 28, 2024**Testing Laboratory Name** : Shenzhen LCS Compliance Testing Laboratory Ltd.**Address** : Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China**Testing Location/ Procedure** : Full application of Harmonised standards ☒
Partial application of Harmonised standards ☐
Other standard testing method ☐**Applicant's Name** : Hangzhou Dukang Technology CO., LTD**Address** : Room 605, Building 1, Yunhong, Wuchang Street, Yuhang District, Hangzhou City, Zhejiang**Test Specification****Standard** : FCC 47 CFR Part 15, Subpart B
ANSI C63.4-2014**Test Report Form No.** : TRF-4-E-010 A/0**TRF Originator** : Shenzhen LCS Compliance Testing Laboratory Ltd.**Master TRF** : Dated 2011-03**Shenzhen LCS Compliance Testing Laboratory Ltd. All rights reserved.**

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Test Item Description : MirrorPad Hyper Magnifier**Trade Mark** : SightCare**Test Model** : MVM012A**Result** : Positive**Compiled by:**

Emma wang / File Administrator

Supervised by:

Cary Luo/ Technique principal

Approved by:

Gavin Liang / Manager



Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China
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TEST REPORT

Test Report No.: LCSA11254096E	<u>December 28, 2024</u> Date of issue
---------------------------------------	---

Test Model	: MVM012A
EUT	: MirrorPad Hyper Magnifier
Applicant	: Hangzhou Dukang Technology CO., LTD
Address	: Room 605, Building 1, Yunhong, Wuchang Street, Yuhang District, Hangzhou City, Zhejiang
Telephone	: /
Fax	: /
Manufacturer	: Hangzhou Dukang Technology CO., LTD
Address	: Room 605, Building 1, Yunhong, Wuchang Street, Yuhang District, Hangzhou City, Zhejiang
Telephone	: /
Fax	: /
Factory	: Hangzhou Dukang Technology CO., LTD
Address	: Room 605, Building 1, Yunhong, Wuchang Street, Yuhang District, Hangzhou City, Zhejiang
Telephone	: /
Fax	: /

Test Result	Positive
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The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.



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Revision History

Report Version	Issue Date	Revision Content	Revised By
000	December 28, 2024	Initial Issue	/





TABLE OF CONTENTS

Test Report Description	Page
1. SUMMARY OF STANDARDS AND RESULTS	6
1.1 Description of Standards and Results	6
1.2 Description of Test Modes	7
2. GENERAL INFORMATION	8
2.1 Description of Device (EUT)	8
2.2 Support equipment List	8
2.3 Description of Test Facility	8
2.4 Measurement Uncertainty	8
3. MEASURING DEVICES AND TEST EQUIPMENT	9
4. EMISSION TEST RESULTS (EMI)	10
4.1 Conducted emissions on AC mains	10
4.2 Radiated emissions (Below 1GHz)	17
4.3 Radiated emissions (Above 1GHz)	30
5. TEST SETUP PHOTOS	37
6. EUT CONSTRUCTIONAL DETAILS (EUT PHOTOS)	39





1. SUMMARY OF STANDARDS AND RESULTS

1.1 Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below.

Description of Test Item	Standard	Limits	Result
Conducted emissions on AC mains	FCC 47 CFR Part 15, Subpart B ANSI C63.4-2014	15.107, Class B	Pass
Radiated emissions (Below 1GHz)	FCC 47 CFR Part 15, Subpart B ANSI C63.4-2014	15.109, Class B	Pass
Radiated emissions (Above 1GHz)	FCC 47 CFR Part 15, Subpart B ANSI C63.4-2014	15.109, Class B	Pass





1.2 Description of Test Modes

No	Title	Description
TM1	Charging+Working(Screen projection) (DC 12V From Adapter Input AC 230V/50Hz)	Record
TM2	Charging+Working(HDMI) (DC 12V From Adapter Input AC 230V/50Hz)	Record
TM3	Charging+Working(camera) (DC 12V From Adapter Input AC 230V/50Hz)	Record
TM4	Working(Screen projection)(DC From Battery)	Record
TM5	Working(HDMI)(DC From Battery)	Record
TM6	Working(camera)(DC From Battery)	Record





2. GENERAL INFORMATION

2.1 Description of Device (EUT)

EUT	: MirrorPad Hyper Magnifier
Test Model	: MVM012A
Additional Model	: MVM012B, MVM012C, MVM012D
Model Declaration	: PCB board, structure and internal of these model(s) are the same, So no additional models were tested.
	For Adapter
Power Supply	: Input: 100-240VAC, 50/60Hz, 0.8A Output: 12.0V $\overline{\text{---}}$ 3.0A 36.0W
Highest Internal Frequency	: >108MHz
Classification of Equipment	: Class B

Highest internal frequency (Fx)	Highest measured frequency
Fx $\leq$ 1.705MHz	30MHz
1.705MHz < Fx $\leq$ 108MHz	1GHz
108MHz < Fx $\leq$ 500MHz	2GHz
500MHz < Fx $\leq$ 1000MHz	5GHz
Fx > 1GHz	5 x Fx up to a maximum of 40GHz

2.2 Support equipment List

Manufacturer	Description	Model	Serial Number	Certificate
Lenovo	Lenovo Notebook	Lenovo E41-55	MP1ZW5C4	/
/	Headphones	/	/	/

2.3 Description of Test Facility

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. To CISPR 16 – 4 “Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements” and is documented in the LCS quality system acc. To DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

NVLAP Accreditation Code is 600167-0.

FCC Designation Number is CN5024.

CAB identifier is CN0071.

CNAS Registration Number is L4595.

2.4 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emission (150kHz to 30MHz)	± 2.35 dB
Radiated Emission (30MHz to 1000MHz)	± 3.48 dB
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	





3. MEASURING DEVICES AND TEST EQUIPMENT

Conducted emissions from AC mains power ports (150kHz-30MHz)

Equipment	Manufacturer	Model No	Serial No.	Due Date
EMI Test Software	Farad	EZ	/	/
Artificial Mains	R&S	ENV216	101288	2025-06-05
Pulse Limiter	R&S	ESH3-Z2	102750-NB	2025-06-05
EMI Test Receiver	R&S	ESR3	102312	2025-03-01

Radiated emissions (30MHz-1GHz)

Equipment	Manufacturer	Model No	Serial No.	Due Date
EMI Test Software	Farad	EZ	/	/
EMI Test Software	AUDIX	E3	/	/
By-log Antenna	SCHWARZBECK	VULB9163	01143	2027-07-19
Horn Antenna	SCHWARZBECK	3115	EABF-018	2027-07-19
EMI Test Receiver	R&S	ESR3	102311	2025-06-05
Broadband Preamplifier	/	BP-01M18G	P190501	2025-06-05
EMI Test Receiver	R&S	ESCI7	101173	2025-10-07
By-log Antenna	SchwarzZBECK	VULB9163	01565	2027-07-12
MXA Signal Analyzer	Agilent	N9020A	MY53290398	2025-06-05
EMI Test Receiver	R&S	ESPI	101940	2025-06-05





4. EMISSION TEST RESULTS (EMI)

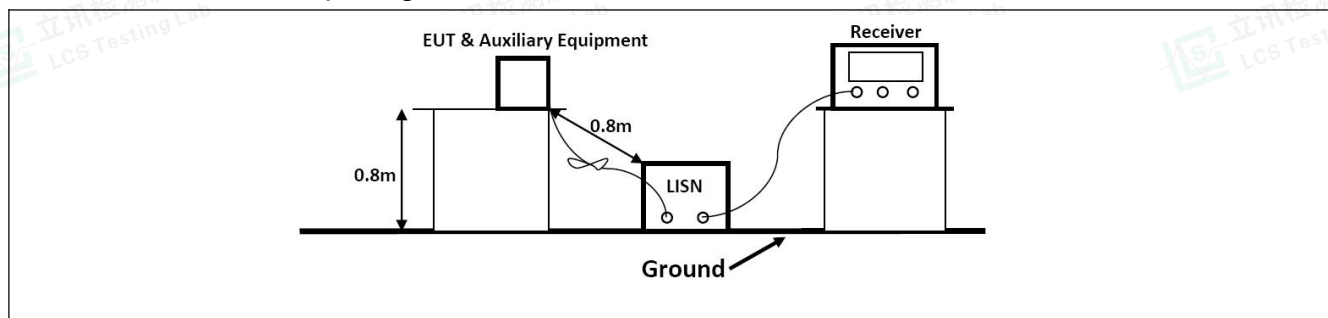
4.1 Conducted emissions on AC mains

Test Requirement:	15.107, Class B		
Test Limit:	Frequency of emission (MHz)	Conducted limit (dBμV)	
		Quasi-peak	Average
	0.15-0.5	66 to 56*	56 to 46*
	0.5-5	56	46
	5-30	60	50
	*Decreases with the logarithm of the frequency.		
Test Method:	ANSI C63.4-2014		
Procedure:	An initial pre-scan was performed with peak detector. Quasi-Peak or Average measurement were performed at the frequencies with maximized peak emission were detected. Remark: Level= Read Level+ Cable Loss+ LISN Factor		

4.1.1 E.U.T. Operation:

Operating Environment:			
Temperature:	22.5 °C	Humidity:	53.7 %
Pre test mode:	TM1, TM2, TM3		
Final test mode:	TM1, TM2, TM3		

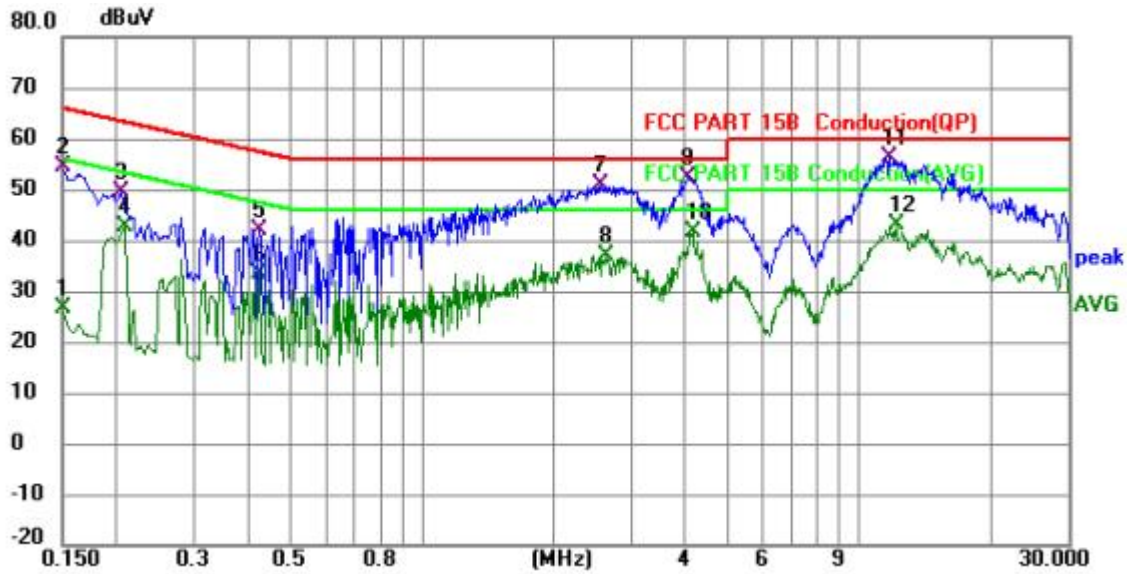
4.1.2 Test Setup Diagram:





4.1.3 Test Data:

TM1 / Line: Line

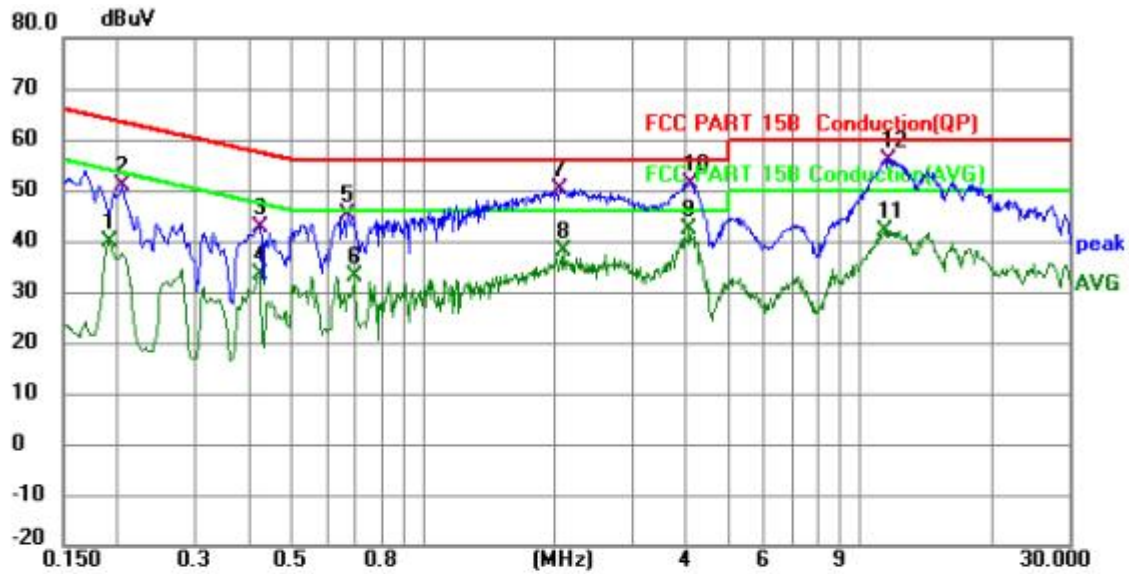


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB	dBuV	dBuV	dB		
1		0.150	5.20	21.43	26.63	56.00	-29.37	AVG	
2		0.151	32.92	21.43	54.35	65.94	-11.59	QP	
3		0.204	28.04	21.44	49.48	63.45	-13.97	QP	
4		0.208	21.35	21.44	42.79	53.28	-10.49	AVG	
5		0.420	20.55	21.44	41.99	57.45	-15.46	QP	
6		0.420	11.89	21.44	33.33	47.45	-14.12	AVG	
7		2.575	28.45	22.30	50.75	56.00	-5.25	QP	
8		2.639	14.81	22.30	37.11	46.00	-8.89	AVG	
9		4.056	30.03	22.29	52.32	56.00	-3.68	QP	
10		4.178	19.42	22.28	41.70	46.00	-4.30	AVG	
11	*	11.710	33.75	22.66	56.41	60.00	-3.59	QP	
12		12.138	20.24	22.70	42.94	50.00	-7.06	AVG	





TM1 / Line: Neutral

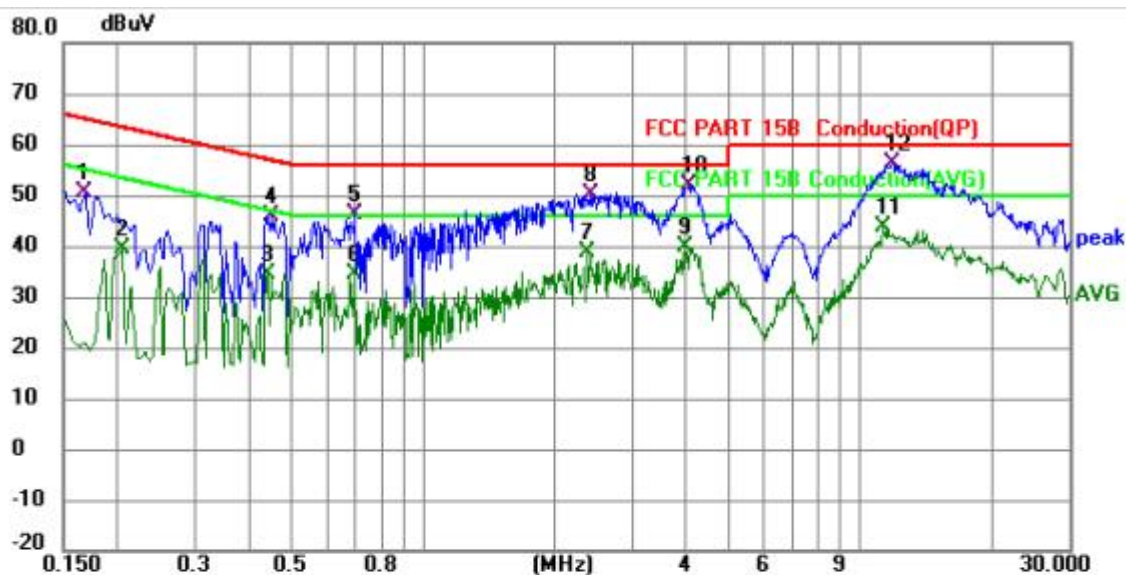


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.191	18.39	21.44	39.83	53.99	-14.16	AVG	
2		0.204	29.28	21.44	50.72	63.45	-12.73	QP	
3		0.420	21.13	21.44	42.57	57.45	-14.88	QP	
4		0.420	11.79	21.44	33.23	47.45	-14.22	AVG	
5		0.672	23.51	21.50	45.01	56.00	-10.99	QP	
6		0.695	11.41	21.52	32.93	46.00	-13.07	AVG	
7		2.045	28.01	22.30	50.31	56.00	-5.69	QP	
8		2.103	15.78	22.31	38.09	46.00	-7.91	AVG	
9	*	4.056	19.99	22.39	42.38	46.00	-3.62	AVG	
10		4.074	28.80	22.39	51.19	56.00	-4.81	QP	
11		11.422	19.51	22.62	42.13	50.00	-7.87	AVG	
12		11.571	33.38	22.64	56.02	60.00	-3.98	QP	





TM2 / Line: Line



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.168	29.22	21.43	50.65	65.06	-14.41	QP	
2		0.204	17.88	21.44	39.32	53.45	-14.13	AVG	
3		0.438	13.08	21.44	34.52	47.10	-12.58	AVG	
4		0.447	24.54	21.44	45.98	56.93	-10.95	QP	
5		0.699	24.60	21.52	46.12	56.00	-9.88	QP	
6		0.699	12.82	21.52	34.34	46.00	-11.66	AVG	
7		2.373	16.41	22.30	38.71	46.00	-7.29	AVG	
8		2.418	27.98	22.30	50.28	56.00	-5.72	QP	
9		3.998	17.65	22.30	39.95	46.00	-6.05	AVG	
10		4.065	29.70	22.29	51.99	56.00	-4.01	QP	
11		11.287	21.01	22.60	43.61	50.00	-6.39	AVG	
12	*	11.809	33.62	22.67	56.29	60.00	-3.71	QP	



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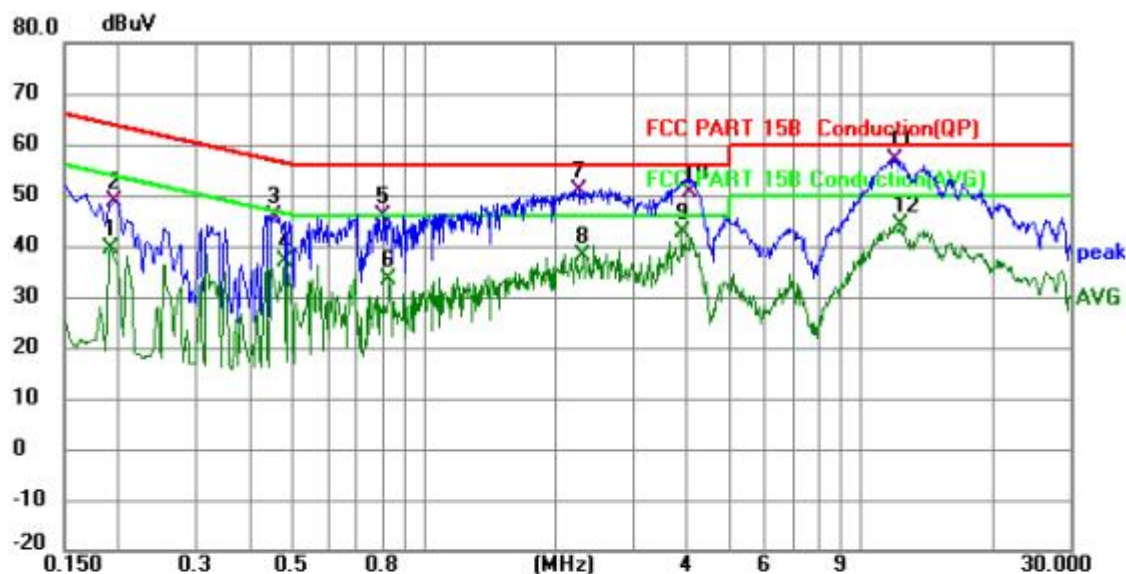
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TM2 / Line: Neutral



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.191	18.16	21.44	39.60	53.99	-14.39	AVG	
2		0.195	27.36	21.44	48.80	63.83	-15.03	QP	
3		0.452	24.39	21.44	45.83	56.84	-11.01	QP	
4		0.478	15.51	21.44	36.95	46.37	-9.42	AVG	
5		0.807	24.10	21.62	45.72	56.00	-10.28	QP	
6		0.834	11.80	21.66	33.46	46.00	-12.54	AVG	
7		2.260	28.46	22.31	50.77	56.00	-5.23	QP	
8		2.314	15.62	22.32	37.94	46.00	-8.06	AVG	
9		3.881	20.20	22.39	42.59	46.00	-3.41	AVG	
10		4.069	28.01	22.39	50.40	56.00	-5.60	QP	
11	*	11.873	34.32	22.67	56.99	60.00	-3.01	QP	
12		12.287	21.24	22.70	43.94	50.00	-6.06	AVG	



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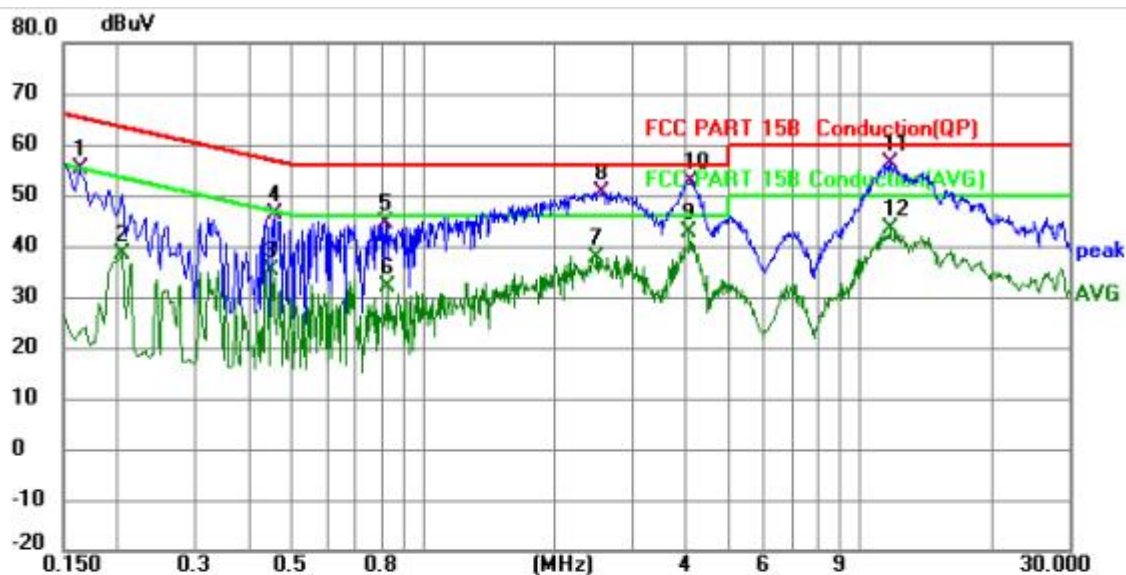
Add: Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China

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TM3 / Line: Line

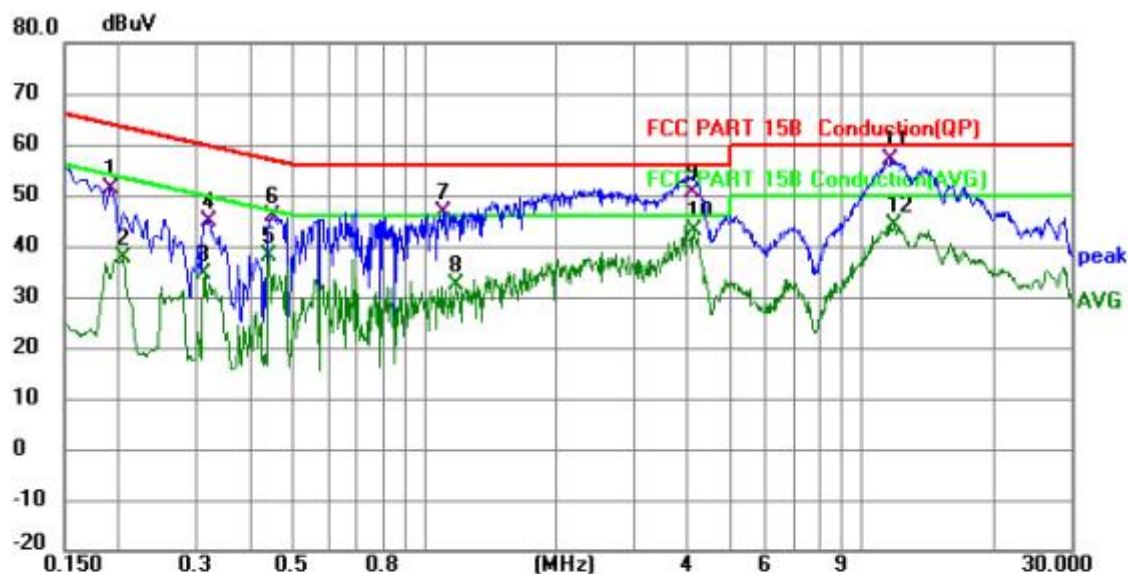


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin		
		MHz	dBuV	Factor	ment			Detector	Comment
1		0.164	33.69	21.43	55.12	65.26	-10.14	QP	
2		0.204	17.00	21.44	38.44	53.45	-15.01	AVG	
3		0.447	13.91	21.44	35.35	46.93	-11.58	AVG	
4		0.456	24.69	21.44	46.13	56.77	-10.64	QP	
5		0.821	22.99	21.64	44.63	56.00	-11.37	QP	
6		0.834	10.39	21.66	32.05	46.00	-13.95	AVG	
7		2.494	15.47	22.30	37.77	46.00	-8.23	AVG	
8		2.575	28.26	22.30	50.56	56.00	-5.44	QP	
9	*	4.051	20.31	22.29	42.60	46.00	-3.40	AVG	
10		4.110	30.23	22.29	52.52	56.00	-3.48	QP	
11		11.724	33.69	22.66	56.35	60.00	-3.65	QP	
12		11.724	20.81	22.66	43.47	50.00	-6.53	AVG	





TM3 / Line: Neutral



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.191	29.95	21.44	51.39	63.99	-12.60	QP	
2		0.204	16.16	21.44	37.60	53.45	-15.85	AVG	
3		0.312	13.02	21.44	34.46	49.92	-15.46	AVG	
4		0.321	23.48	21.44	44.92	59.68	-14.76	QP	
5		0.438	16.65	21.44	38.09	47.10	-9.01	AVG	
6		0.447	24.35	21.44	45.79	56.93	-11.14	QP	
7		1.109	24.77	21.94	46.71	56.00	-9.29	QP	
8		1.181	10.53	21.97	32.50	46.00	-13.50	AVG	
9		4.092	28.01	22.39	50.40	56.00	-5.60	QP	
10	*	4.114	20.61	22.39	43.00	46.00	-3.00	AVG	
11		11.630	34.33	22.65	56.98	60.00	-3.02	QP	
12		11.845	21.39	22.67	44.06	50.00	-5.94	AVG	

***Note: 1) Pre-scan all modes and recorded the worst case results in this report.

2) Margin= Reading level + Correct factor-Limit

Correct Factor=Lisn Factor+Cable Factor+Insertion loss of Pulse Limiter





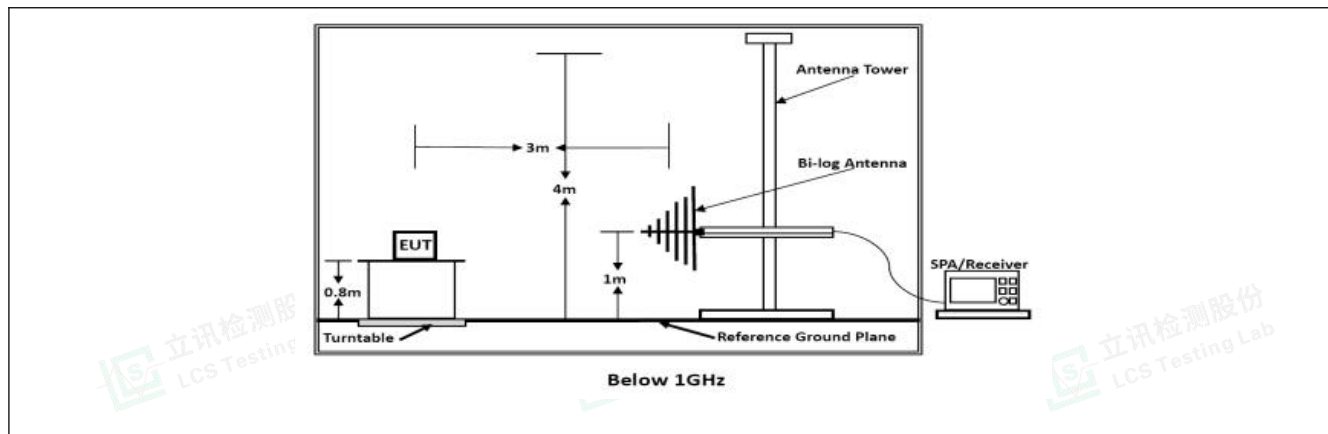
4.2 Radiated emissions (Below 1GHz)

Test Requirement:	15.109, Class B				
Test Limit:	Except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:				
	Frequency of emission (MHz)	Field strength @3m		Field strength @10m	
		(uV/m)	(dBuV/m)	(uV/m)	(dBuV/m)
	30 – 88	100	40	30	29.5
	88 – 216	150	43.5	45	33.1
	216 – 960	200	46	60	35.6
	Above 960	500	54	150	43.5
Test Method:	ANSI C63.4-2014				
Procedure:	An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities. Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor				

4.2.1 E.U.T. Operation:

Operating Environment:			
Temperature:	26.4 °C	Humidity:	54.2 %
Pre test mode:	TM1, TM2, TM3, TM4, TM5, TM6		
Final test mode:	TM1, TM2, TM3, TM4, TM5, TM6		

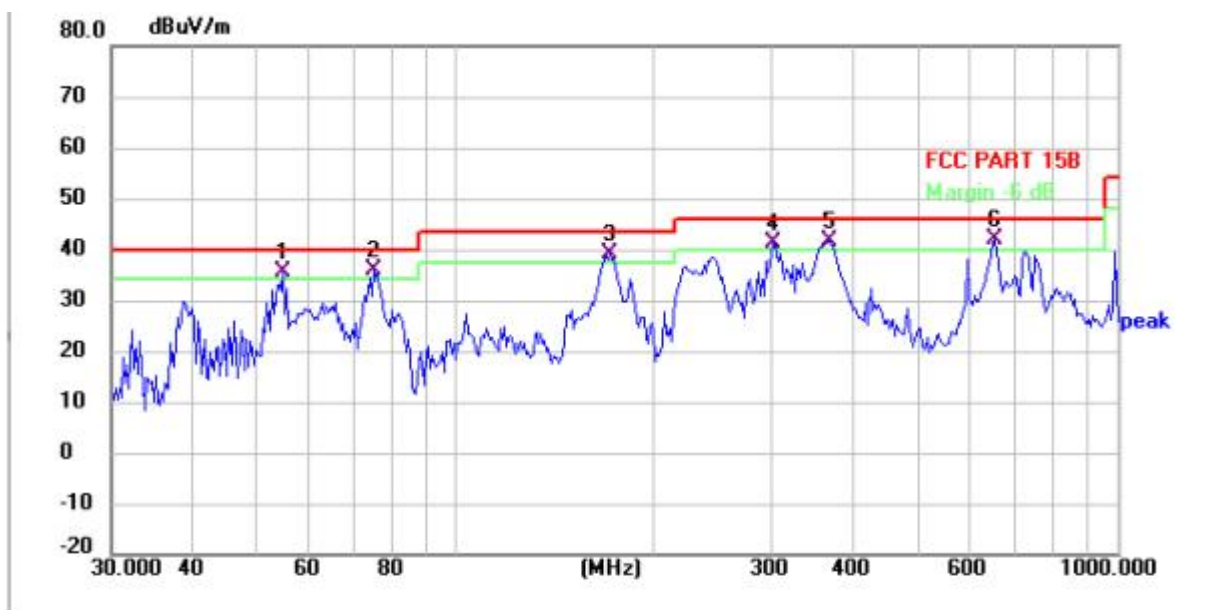
4.2.2 Test Setup Diagram:





4.2.3 Test Data:

TM1 / Polarization: Horizontal

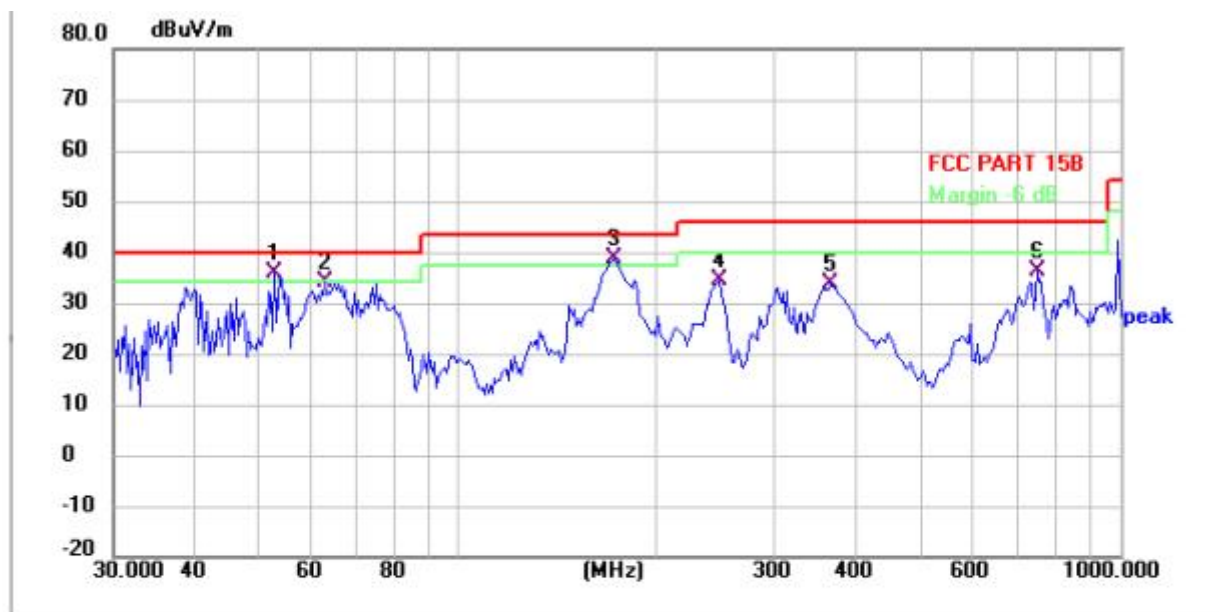


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1 !	54.517	52.95	-17.41	35.54	40.00	-4.46	QP	P	
2 *	74.793	57.10	-21.04	36.06	40.00	-3.94	QP	P	
3 !	170.189	60.22	-21.08	39.14	43.50	-4.36	QP	P	
4 !	300.699	57.39	-16.30	41.09	46.00	-4.91	QP	P	
5 !	366.087	56.38	-14.67	41.71	46.00	-4.29	QP	P	
6 !	651.383	52.15	-10.28	41.87	46.00	-4.13	QP	P	





TM1 / Polarization: Vertical

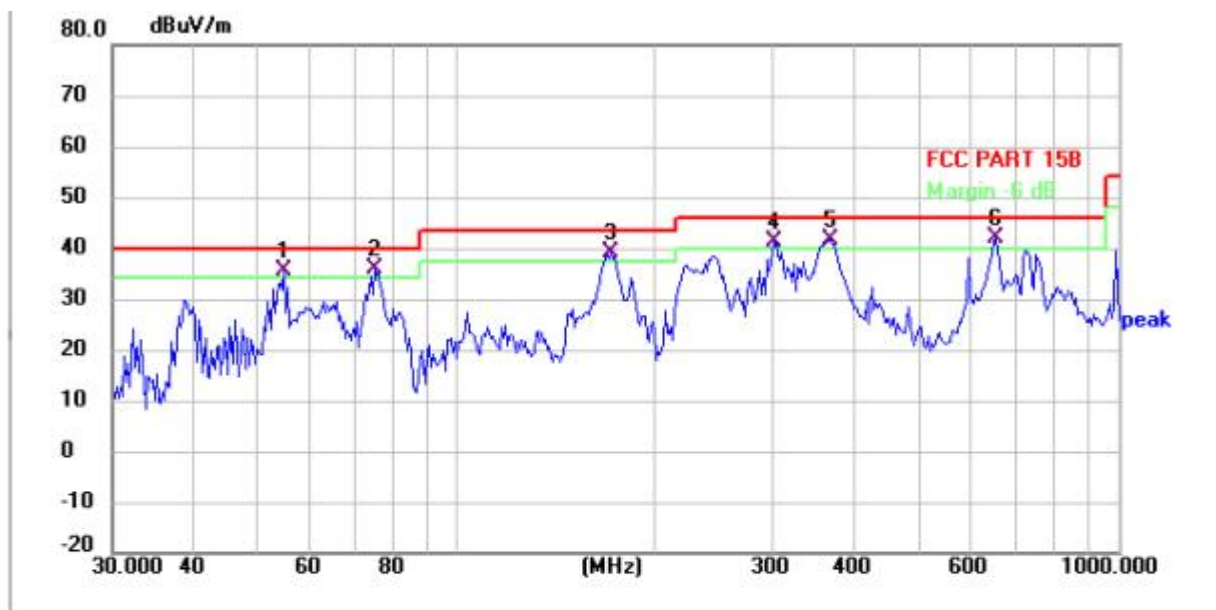


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1 *	52.634	53.15	-17.19	35.96	40.00	-4.04	QP	P	
2 !	62.743	52.95	-18.77	34.18	40.00	-5.82	QP	P	
3 !	171.389	59.77	-21.07	38.70	43.50	-4.80	QP	P	
4	246.990	51.96	-17.52	34.44	46.00	-11.56	QP	P	
5	363.523	48.36	-14.73	33.63	46.00	-12.37	QP	P	
6	749.676	45.66	-9.49	36.17	46.00	-9.83	QP	P	





TM2 / Polarization: Horizontal

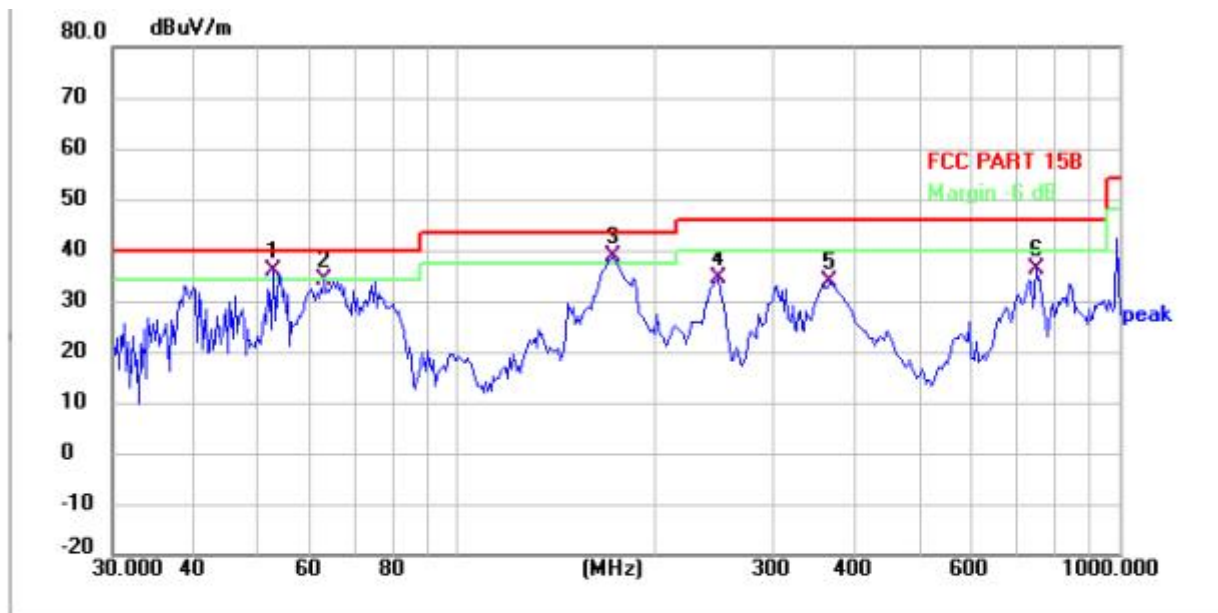


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1 !	54.517	52.95	-17.41	35.54	40.00	-4.46	QP	P	
2 *	74.793	57.10	-21.04	36.06	40.00	-3.94	QP	P	
3 !	170.189	60.22	-21.08	39.14	43.50	-4.36	QP	P	
4 !	300.699	57.39	-16.30	41.09	46.00	-4.91	QP	P	
5 !	366.087	56.38	-14.67	41.71	46.00	-4.29	QP	P	
6 !	651.383	52.15	-10.28	41.87	46.00	-4.13	QP	P	





TM2 / Polarization: Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1 *	52.634	53.15	-17.19	35.96	40.00	-4.04	QP	P	
2 !	62.743	52.95	-18.77	34.18	40.00	-5.82	QP	P	
3 !	171.389	59.77	-21.07	38.70	43.50	-4.80	QP	P	
4	246.990	51.96	-17.52	34.44	46.00	-11.56	QP	P	
5	363.523	48.36	-14.73	33.63	46.00	-12.37	QP	P	
6	749.676	45.66	-9.49	36.17	46.00	-9.83	QP	P	



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TM3 / Polarization: Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	63.186	47.30	-18.88	28.42	40.00	-11.58	QP	P	
2	111.640	51.79	-17.70	34.09	43.50	-9.41	QP	P	
3 !	165.471	60.67	-21.14	39.53	43.50	-3.97	QP	P	
4	363.523	49.21	-14.73	34.48	46.00	-11.52	QP	P	
5 *	594.514	53.02	-10.97	42.05	46.00	-3.95	QP	P	
6	655.976	50.12	-10.23	39.89	46.00	-6.11	QP	P	



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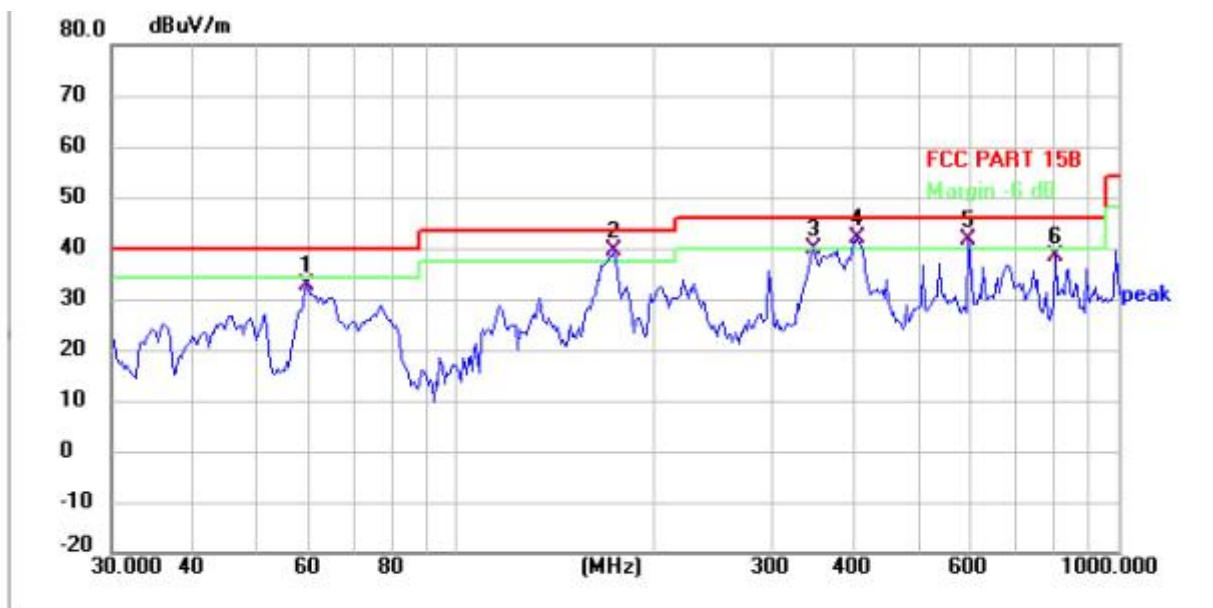
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TM3 / Polarization: Vertical

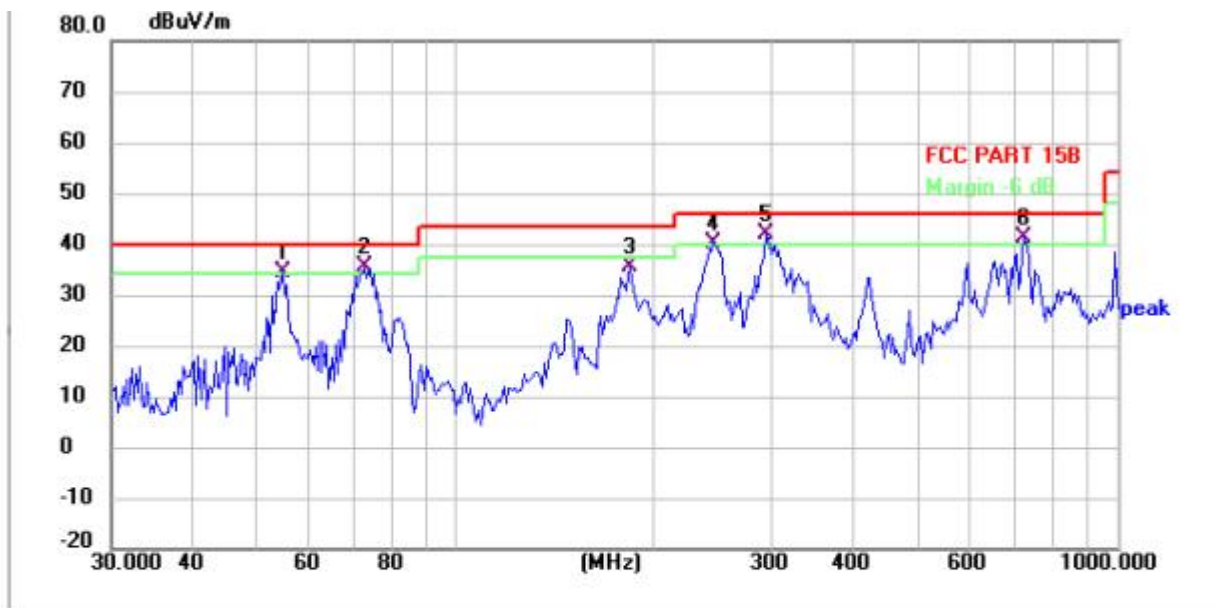


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	59.313	50.70	-18.00	32.70	40.00	-7.30	QP	P	
2 !	172.597	60.40	-21.06	39.34	43.50	-4.16	QP	P	
3	346.074	55.10	-15.17	39.93	46.00	-6.07	QP	P	
4 *	403.933	55.81	-13.80	42.01	46.00	-3.99	QP	P	
5 !	594.514	52.70	-10.97	41.73	46.00	-4.27	QP	P	
6	804.252	47.61	-9.15	38.46	46.00	-7.54	QP	P	





TM4 / Polarization: Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1 !	54.517	51.73	-17.41	34.32	40.00	-5.68	QP	P	
2 !	72.720	56.45	-20.85	35.60	40.00	-4.40	QP	P	
3	182.578	56.41	-20.78	35.63	43.50	-7.87	QP	P	
4 !	245.261	57.94	-17.60	40.34	46.00	-5.66	QP	P	
5 *	294.426	58.38	-16.44	41.94	46.00	-4.06	QP	P	
6 !	723.793	50.86	-9.62	41.24	46.00	-4.76	QP	P	



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TM4 / Polarization: Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1 *	53.379	52.23	-17.28	34.95	40.00	-5.05	QP	P	
2	72.720	52.03	-20.85	31.18	40.00	-8.82	QP	P	
3	147.875	53.94	-21.30	32.64	43.50	-10.86	QP	P	
4	182.578	56.58	-20.78	35.80	43.50	-7.70	QP	P	
5	302.819	49.10	-16.25	32.85	46.00	-13.15	QP	P	
6	734.037	44.57	-9.57	35.00	46.00	-11.00	QP	P	



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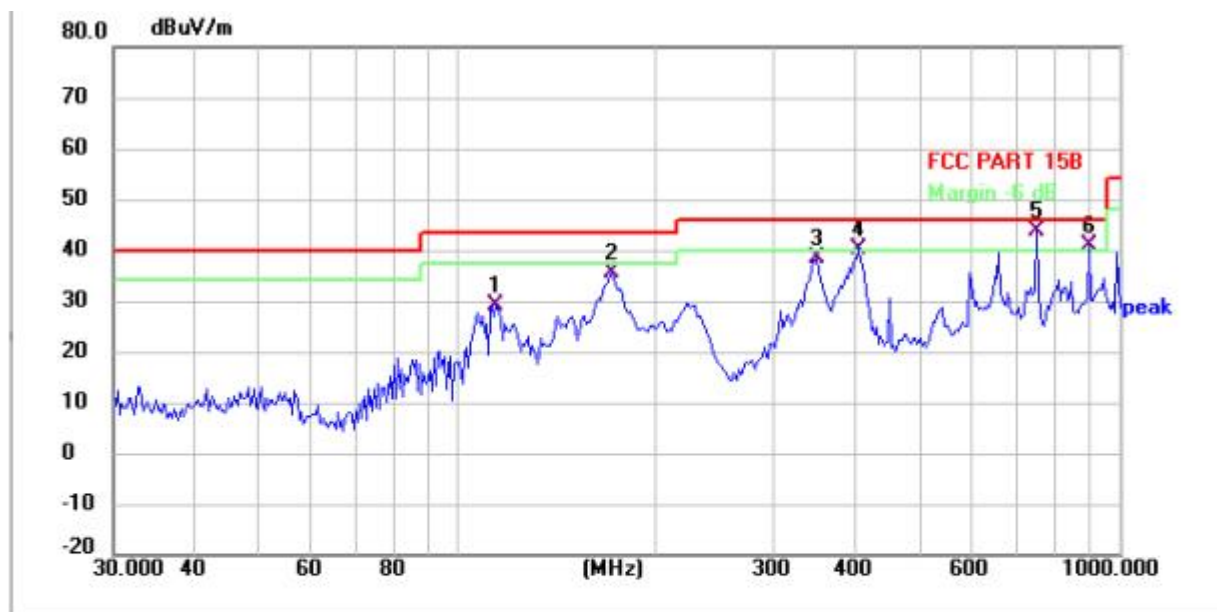
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TM5 / Polarization: Horizontal

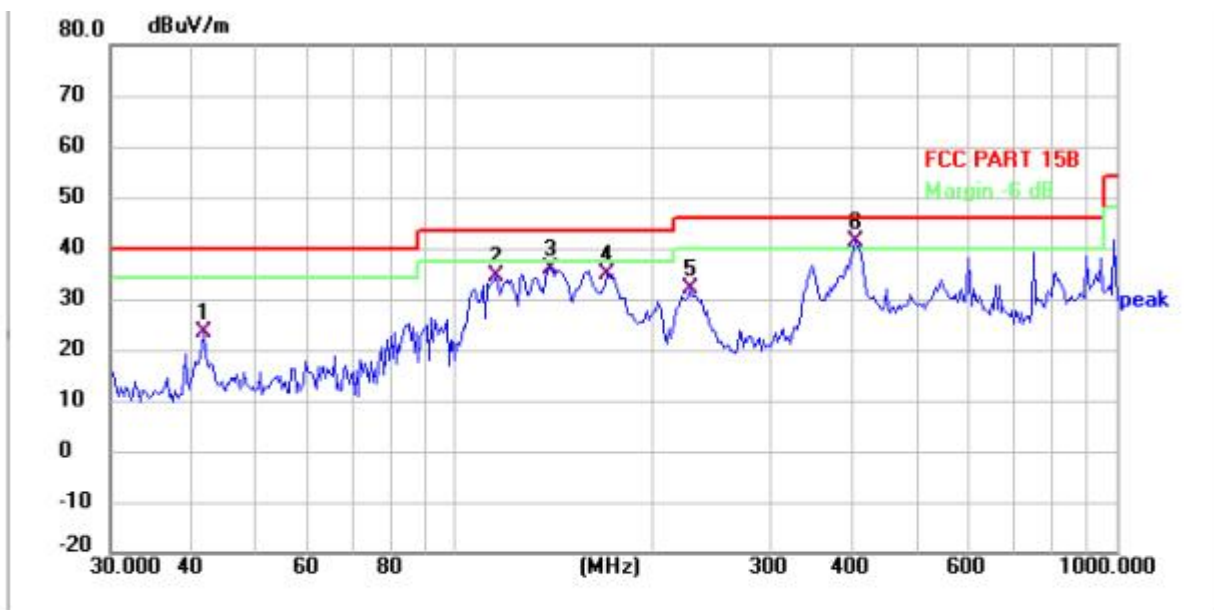


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	114.018	47.35	-18.31	29.04	43.50	-14.46	QP	P	
2	170.189	56.78	-21.08	35.70	43.50	-7.80	QP	P	
3	348.514	53.54	-15.11	38.43	46.00	-7.57	QP	P	
4 !	403.933	54.08	-13.80	40.28	46.00	-5.72	QP	P	
5 *	749.676	53.12	-9.49	43.63	46.00	-2.37	QP	P	
6 !	899.957	47.98	-7.10	40.88	46.00	-5.12	QP	P	





TM5 / Polarization: Vertical

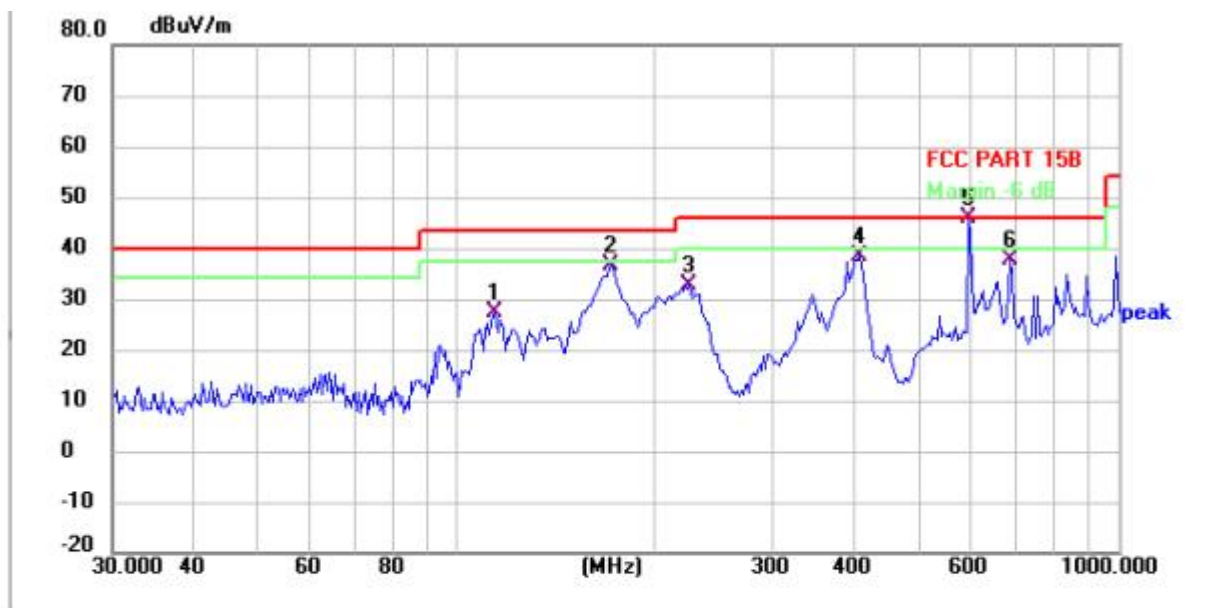


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	41.448	40.97	-17.54	23.43	40.00	-16.57	QP	P	
2	114.822	53.06	-18.52	34.54	43.50	-8.96	QP	P	
3	138.812	57.31	-21.32	35.99	43.50	-7.51	QP	P	
4	168.997	56.02	-21.10	34.92	43.50	-8.58	QP	P	
5	227.016	50.19	-18.32	31.87	46.00	-14.13	QP	P	
6 *	403.933	55.02	-13.80	41.22	46.00	-4.78	QP	P	





TM6 / Polarization: Horizontal

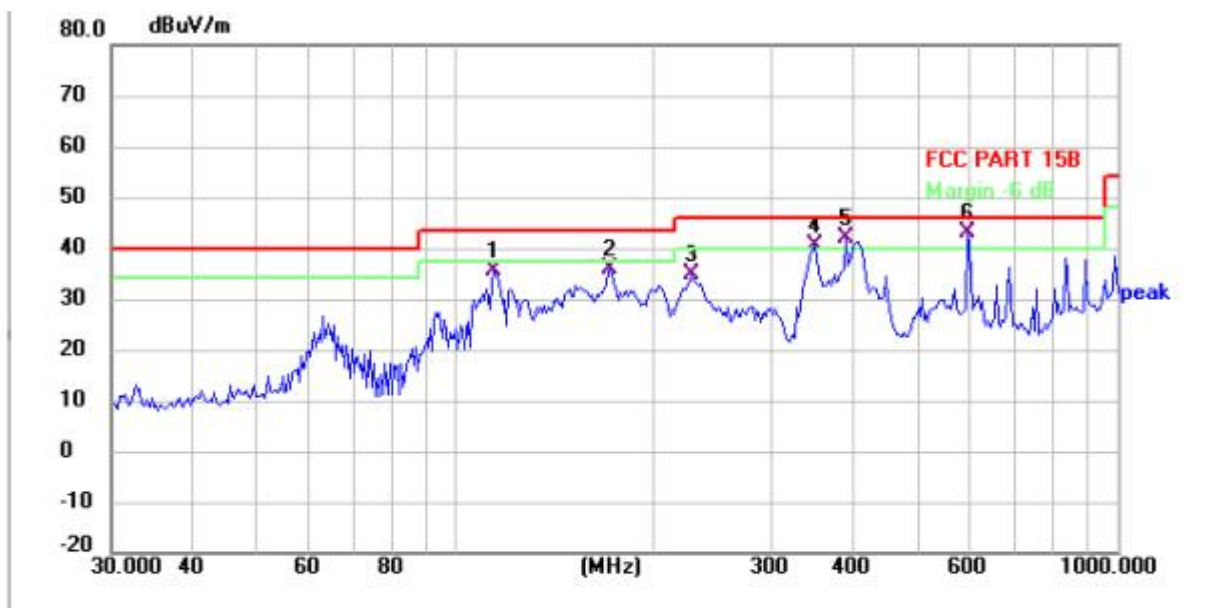


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	114.018	45.57	-18.31	27.26	43.50	-16.24	QP	P	
2	170.189	57.62	-21.08	36.54	43.50	-6.96	QP	P	
3	223.848	50.98	-18.45	32.53	46.00	-13.47	QP	P	
4	406.782	52.18	-13.78	38.40	46.00	-7.60	QP	P	
5 *	594.514	56.96	-10.97	45.99	46.00	-0.01	QP	P	
6	684.226	47.50	-9.91	37.59	46.00	-8.41	QP	P	





TM6 / Polarization: Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	114.018	53.82	-18.31	35.51	43.50	-7.99	QP	P	
2	170.189	56.92	-21.08	35.84	43.50	-7.66	QP	P	
3	227.016	53.22	-18.32	34.90	46.00	-11.10	QP	P	
4 !	348.514	55.66	-15.11	40.55	46.00	-5.45	QP	P	
5 !	387.257	56.03	-14.14	41.89	46.00	-4.11	QP	P	
6 *	594.514	54.15	-10.97	43.18	46.00	-2.82	QP	P	

Note:1).Pre-Scan all mode, Thus record worse case mode result in this report.

2) Margin= Reading level + Correct factor – Limit

Correct Factor=Antenna Factor+Cable Factor- Pre-amplifier Factor





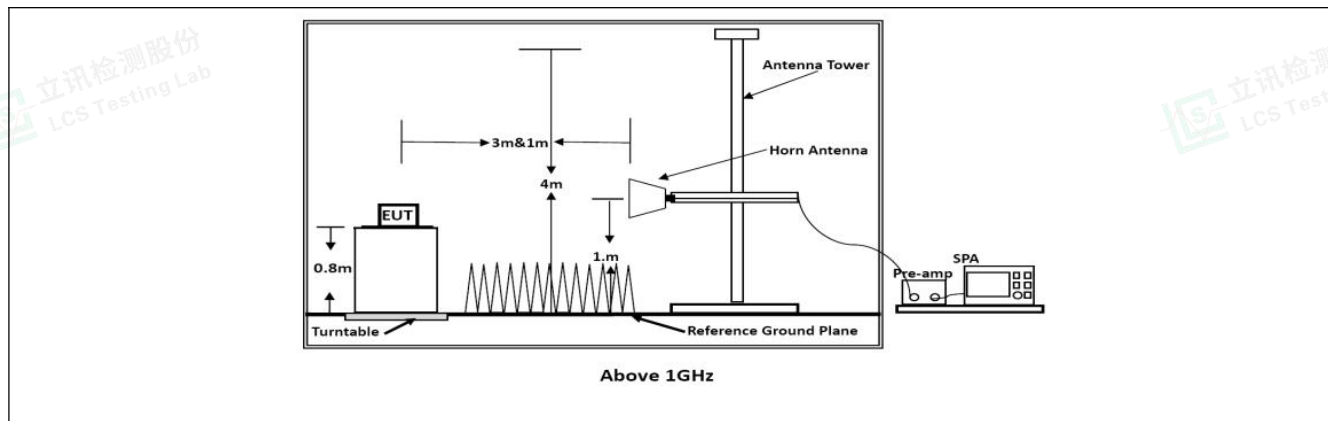
4.3 Radiated emissions (Above 1GHz)

Test Requirement:	15.109, Class B			
Test Limit:	Frequency of emission (MHz)	Field strength @3m		
		Average (uV/m)	Average(d BuV/m)	Peak (dBuV/m)
	Above 1GHz	500	54	74
Test Method:	ANSI C63.4-2014			
Procedure:	An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. For below 1GHz test, Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities. For above 1GHz test, Average measurements were conducted based on the peak sweep graph. The EUT was measured by Horn antenna with 2 orthogonal polarities. Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor			

4.3.1 E.U.T. Operation:

Operating Environment:			
Temperature:	23.5 °C	Humidity:	52.1 %
Pre test mode:	TM4,TM5,TM6		
Final test mode:	TM4,TM5,TM6		

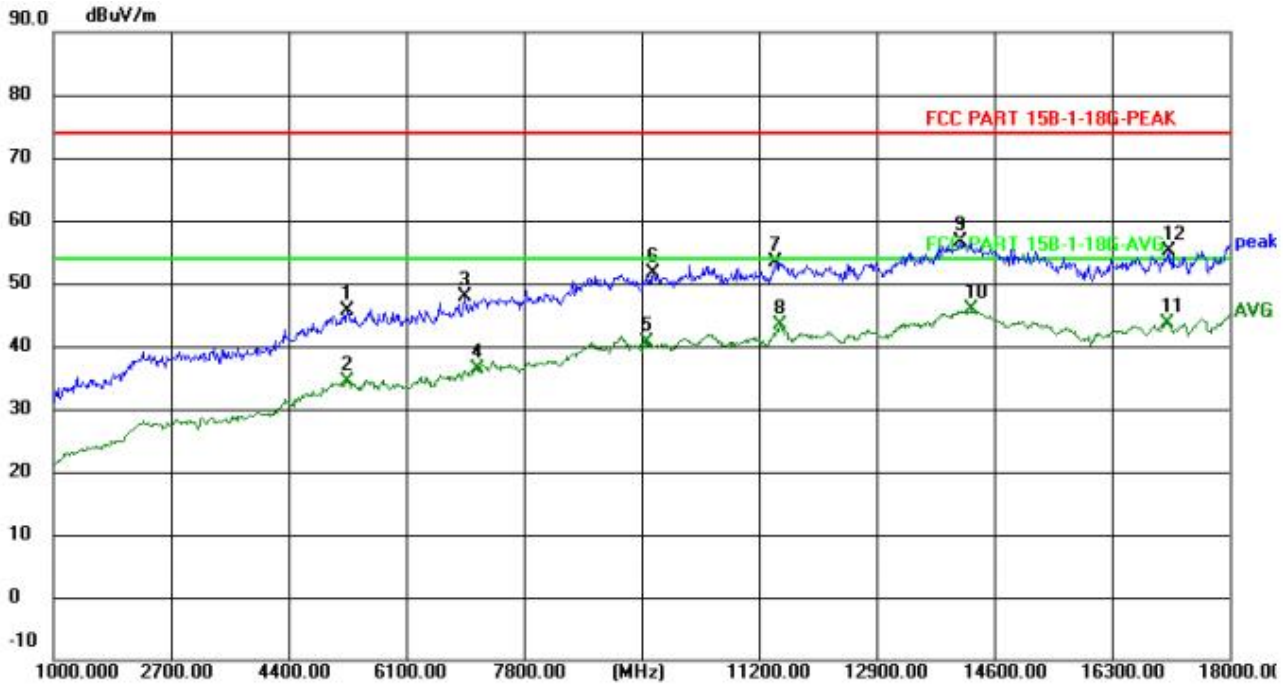
4.3.2 Test Setup Diagram:





4.3.3 Test Data:

TM4 / Polarization: Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	5250.000	47.68	-2.07	45.61	74.00	-28.39	peak	P
2	5250.000	36.45	-2.07	34.38	54.00	-19.62	AVG	P
3	6950.000	47.51	0.30	47.81	74.00	-26.19	peak	P
4	7120.000	35.59	0.69	36.28	54.00	-17.72	AVG	P
5	9568.000	35.39	5.18	40.57	54.00	-13.43	AVG	P
6	9670.000	46.59	5.12	51.71	74.00	-22.29	peak	P
7	11438.000	46.51	6.79	53.30	74.00	-20.70	peak	P
8	11506.000	36.17	7.10	43.27	54.00	-10.73	AVG	P
9	14107.000	46.48	10.05	56.53	74.00	-17.47	peak	P
10	14277.000	34.98	10.85	45.83	54.00	-8.17	AVG	P
11	17099.000	32.18	11.42	43.60	54.00	-10.40	AVG	P
12	17116.000	43.64	11.45	55.09	74.00	-18.91	peak	P



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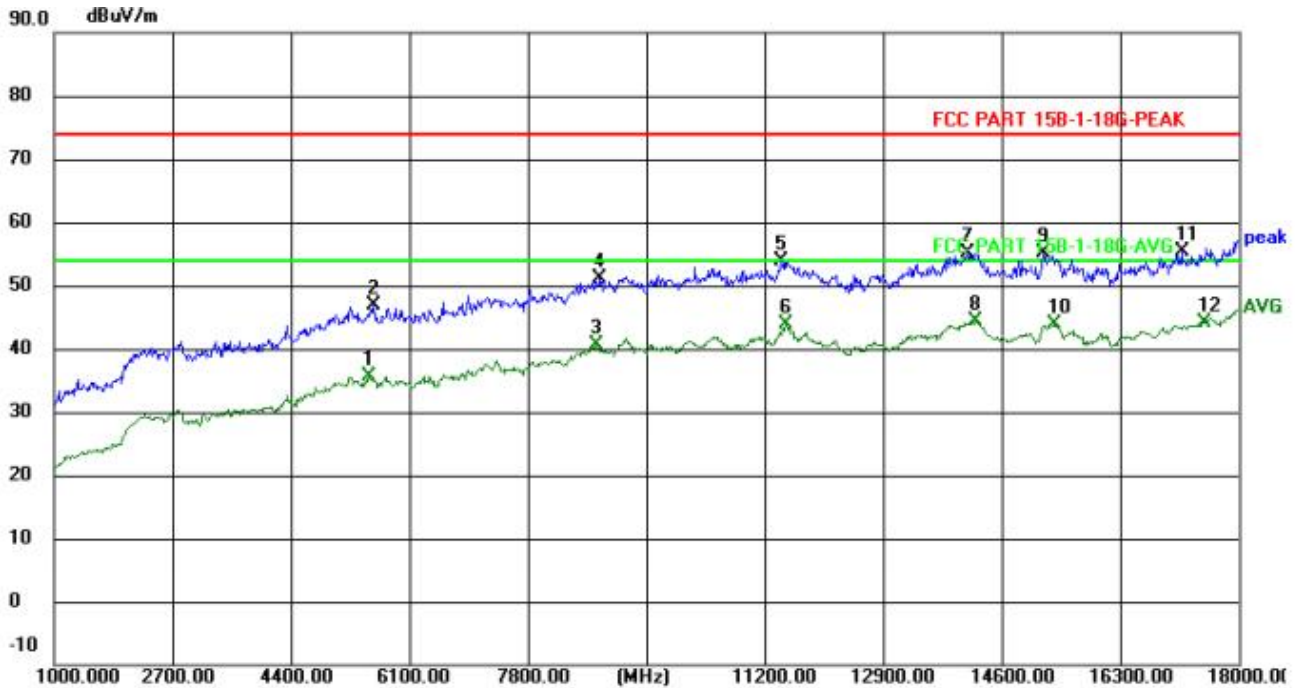
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TM4 / Polarization: Vertical

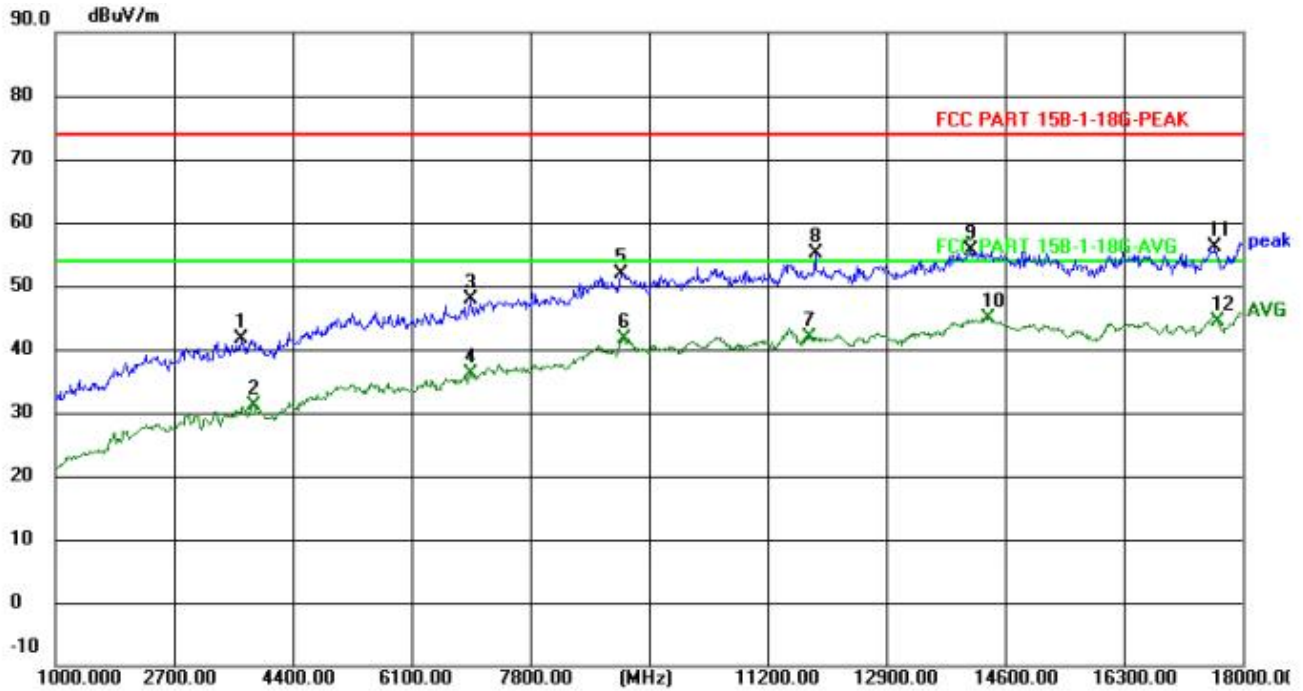


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	5522.000	37.64	-2.12	35.52	54.00	-18.48	AVG	P
2	5590.000	49.01	-2.22	46.79	74.00	-27.21	peak	P
3	8786.000	36.20	4.33	40.53	54.00	-13.47	AVG	P
4	8837.000	47.04	4.03	51.07	74.00	-22.93	peak	P
5	11438.000	47.01	6.79	53.80	74.00	-20.20	peak	P
6	11506.000	36.67	7.10	43.77	54.00	-10.23	AVG	P
7	14107.000	44.98	10.05	55.03	74.00	-18.97	peak	P
8	14226.000	34.14	10.31	44.45	54.00	-9.55	AVG	P
9	15195.000	46.07	9.01	55.08	74.00	-18.92	peak	P
10	15365.000	35.73	8.21	43.94	54.00	-10.06	AVG	P
11	17184.000	43.89	11.52	55.41	74.00	-18.59	peak	P
12	17507.000	29.34	14.84	44.18	54.00	-9.82	AVG	P





TM5 / Polarization: Horizontal

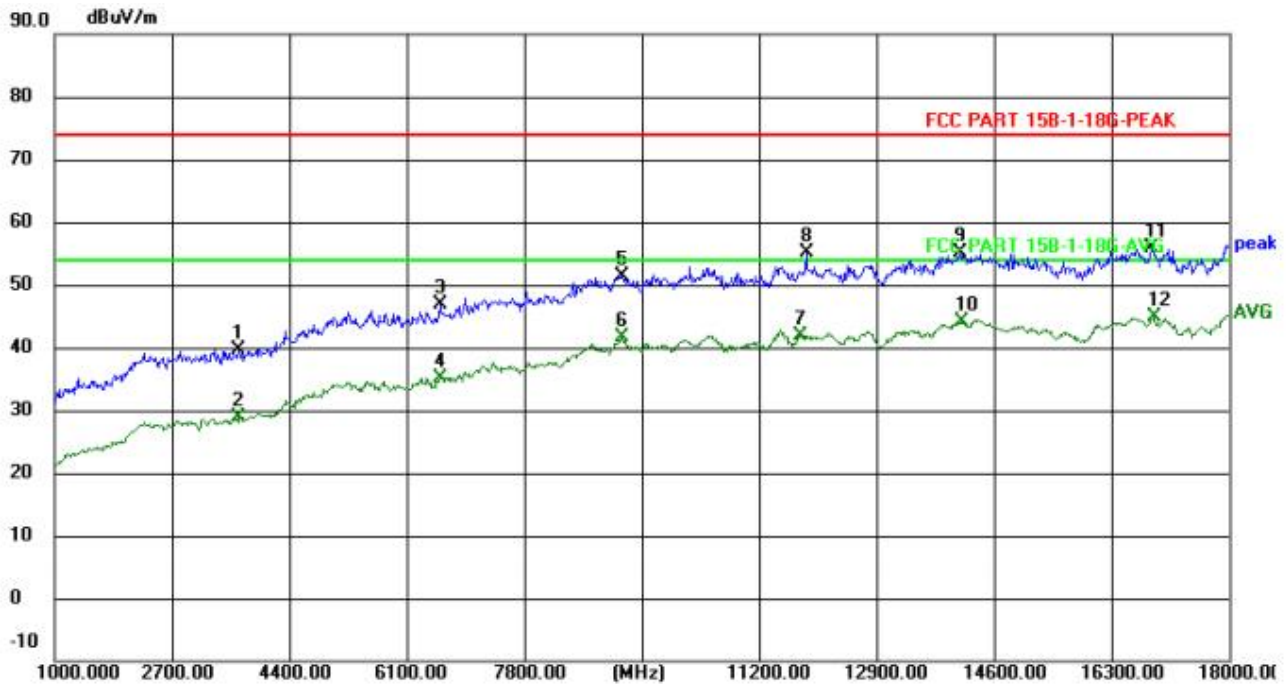


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	3669.000	49.98	-8.36	41.62	74.00	-32.38	peak	P
2	3839.000	38.78	-7.76	31.02	54.00	-22.98	AVG	P
3	6950.000	47.51	0.30	47.81	74.00	-26.19	peak	P
4	6950.000	35.78	0.30	36.08	54.00	-17.92	AVG	P
5	9109.000	47.50	4.48	51.98	74.00	-22.02	peak	P
6	9143.000	37.33	4.33	41.66	54.00	-12.34	AVG	P
7	11795.000	36.06	5.94	42.00	54.00	-12.00	AVG	P
8	11880.000	48.88	6.21	55.09	74.00	-18.91	peak	P
9	14107.000	45.48	10.05	55.53	74.00	-18.47	peak	P
10	14362.000	34.55	10.40	44.95	54.00	-9.05	AVG	P
11	17609.000	39.97	16.09	56.06	74.00	-17.94	peak	P
12	17643.000	28.63	15.85	44.48	54.00	-9.52	AVG	P





TM5 / Polarization: Vertical

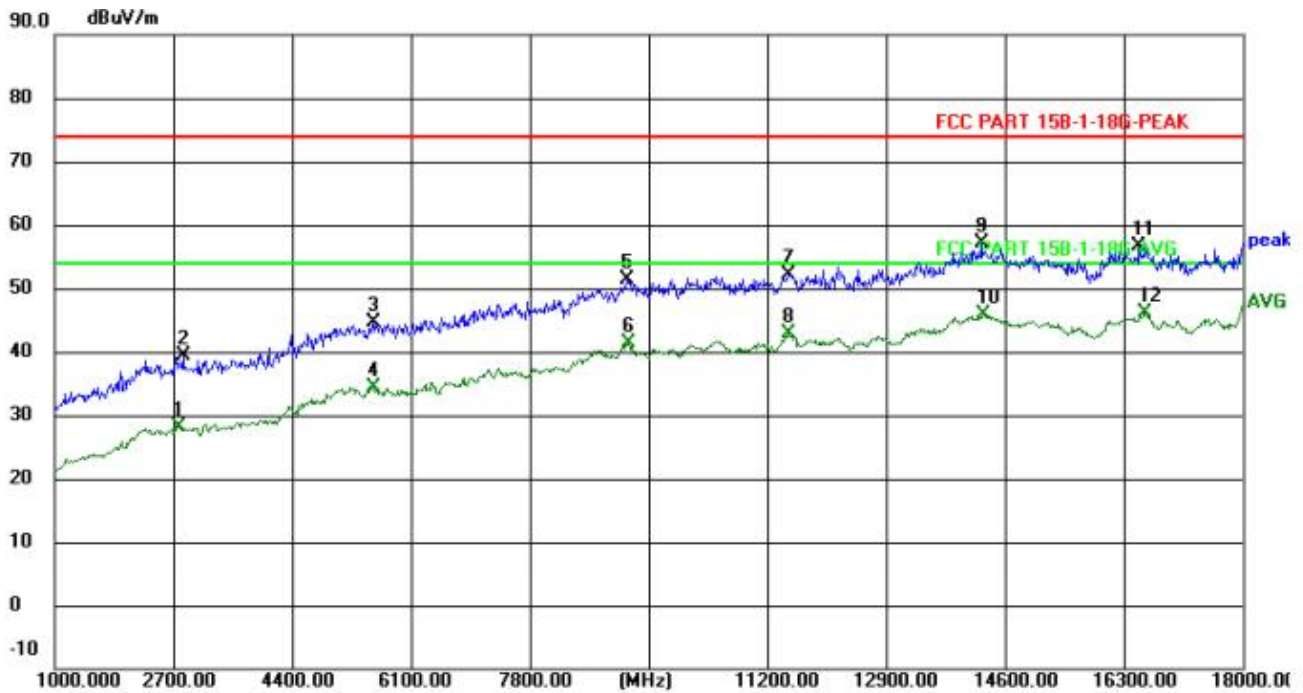


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	3669.000	47.98	-8.36	39.62	74.00	-34.38	peak	P
2	3669.000	37.21	-8.36	28.85	54.00	-25.15	AVG	P
3	6576.000	48.01	-1.14	46.87	74.00	-27.13	peak	P
4	6593.000	36.31	-1.06	35.25	54.00	-18.75	AVG	P
5	9211.000	46.46	4.88	51.34	74.00	-22.66	peak	P
6	9211.000	36.71	4.88	41.59	54.00	-12.41	AVG	P
7	11795.000	36.06	5.94	42.00	54.00	-12.00	AVG	P
8	11880.000	48.88	6.21	55.09	74.00	-18.91	peak	P
9	14107.000	44.98	10.05	55.03	74.00	-18.97	peak	P
10	14124.000	34.17	10.05	44.22	54.00	-9.78	AVG	P
11	16878.000	45.24	10.66	55.90	74.00	-18.10	peak	P
12	16912.000	33.99	10.77	44.76	54.00	-9.24	AVG	P





TM6 / Polarization: Horizontal

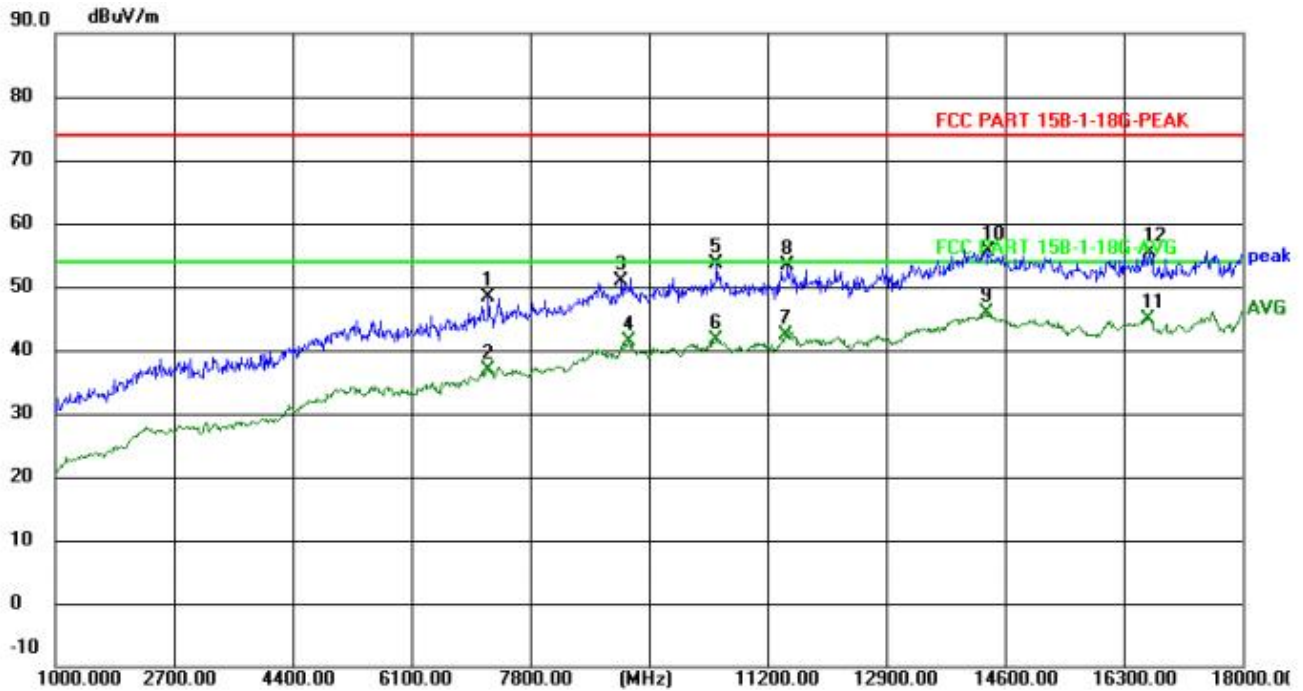


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	2768.000	38.13	-9.94	28.19	54.00	-25.81	AVG	P
2	2836.000	49.24	-9.90	39.34	74.00	-34.66	peak	P
3	5556.000	46.59	-2.06	44.53	74.00	-29.47	peak	P
4	5573.000	36.48	-2.14	34.34	54.00	-19.66	AVG	P
5	9194.000	46.58	4.80	51.38	74.00	-22.62	peak	P
6	9211.000	36.43	4.88	41.31	54.00	-12.69	AVG	P
7	11506.000	45.05	7.10	52.15	74.00	-21.85	peak	P
8	11506.000	35.88	7.10	42.98	54.00	-11.02	AVG	P
9	14260.000	46.55	10.66	57.21	74.00	-16.79	peak	P
10	14294.000	34.84	11.03	45.87	54.00	-8.13	AVG	P
11	16521.000	46.96	9.64	56.60	74.00	-17.40	peak	P
12	16606.000	35.92	10.10	46.02	54.00	-7.98	AVG	P





TM6 / Polarization: Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	7205.000	47.12	1.21	48.33	74.00	-25.67	peak	P
2	7205.000	35.76	1.21	36.97	54.00	-17.03	AVG	P
3	9109.000	46.40	4.48	50.88	74.00	-23.12	peak	P
4	9211.000	36.43	4.88	41.31	54.00	-12.69	AVG	P
5	10469.000	47.40	6.14	53.54	74.00	-20.46	peak	P
6	10469.000	35.51	6.14	41.65	54.00	-12.35	AVG	P
7	11455.000	35.51	6.88	42.39	54.00	-11.61	AVG	P
8	11489.000	46.24	7.06	53.30	74.00	-20.70	peak	P
9	14328.000	35.08	10.78	45.86	54.00	-8.14	AVG	P
10	14362.000	45.33	10.40	55.73	74.00	-18.27	peak	P
11	16657.000	34.70	10.19	44.89	54.00	-9.11	AVG	P
12	16674.000	45.24	10.20	55.44	74.00	-18.56	peak	P

Note:1).Pre-Scan all mode, Thus record worse case mode result in this report.

2) Margin= Reading level + Correct factor – Limit

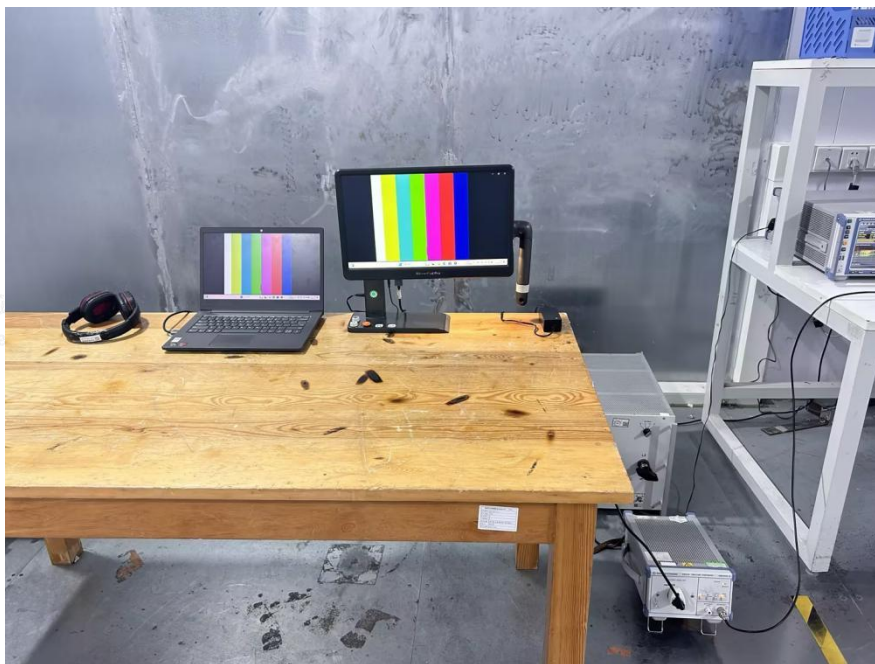
Correct Factor=Antenna Factor+Cable Factor- Pre-amplifier Factor





5. TEST SETUP PHOTOS

Conducted emissions on AC mains



Radiated emissions (Below 1GHz)





Radiated emissions (Above 1GHz)





6. EUT CONSTRUCTIONAL DETAILS (EUT PHOTOS)



Fig. 1



Fig. 2





Fig. 3



Fig. 4





Fig. 5



Fig. 6





Fig. 7



Fig. 8





Fig. 9



Fig. 10





Fig. 11



Fig. 12





Fig. 13



Fig. 14





Fig. 15



Fig. 16





Fig. 17



Fig. 18





Fig. 19

--- End of Report ---

