

TEST REPORT

Reference No...... : WTX24X12310759R2W001
FCC ID : 2AUTE-2TS24G
Applicant : Xiamen Hanin Co.,Ltd.
Address : Room 305A, Angye Building, Pioneer Park, Torch High-tech Zone, Xiamen
City, Fujian Province, China
Manufacturer : The same as Applicant
Address : The same as Applicant
Product Name : Portable Photo Printer, INSTANT CAMERA
Model No...... : HCP-2TS24G
Standards : FCC Part 15.225
Date of Receipt sample : 2025-04-23
Date of Test..... : 2025-04-23 to 2025-05-07; 2026-03-12 to 2026-03-16
Date of Issue : 2026-03-17
Test Report Form No. : WTX_Part 15_225W
Test Result..... : **Pass**

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of approver.

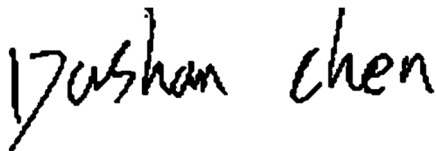
Prepared By:

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Tested by:



Dashan Chen/Project Engineer

Approved by:



Jason Su/Manager

TABLE OF CONTENTS

1. GENERAL INFORMATION	4
1.1 PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT)	4
1.2 TEST STANDARDS.....	5
1.3 TEST METHODOLOGY	5
1.4 TEST FACILITY	5
1.5 EUT SETUP AND TEST MODE	6
1.6 MEASUREMENT UNCERTAINTY	7
1.7 TEST EQUIPMENT LIST AND DETAILS	8
2. SUMMARY OF TEST RESULTS.....	15
3. ANTENNA REQUIREMENT.....	16
3.1 STANDARD APPLICABLE	16
3.2 TEST RESULT.....	16
4. RADIATED EMISSIONS.....	17
4.1 STANDARD APPLICABLE	17
4.2 TEST PROCEDURE	17
4.3 CORRECTED AMPLITUDE & MARGIN CALCULATION.....	19
4.4 SUMMARY OF TEST RESULTS/PLOTS.....	20
5. CONDUCTED EMISSIONS	27
5.1 TEST PROCEDURE	27
5.2 BASIC TEST SETUP BLOCK DIAGRAM	27
5.3 TEST RECEIVER SETUP	27
5.4 SUMMARY OF TEST RESULTS/PLOTS.....	27
APPENDIX PHOTOGRAPHS.....	34

Report version

Version No.	Date of issue	Description
Rev.00	2025-05-07	Original test report WTX24X12310759R1W001
Rev.01	2026-03-17	Refer to the test report WTX24X12310759R1W001, Add the EUT photos, Battery Capacity 2#, Radiated Emissions and Conducted Emissions test data, but the circuit and the electronic construction do not change, declared by the manufacturer. So some test data came from the original report.
/	/	/

1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

General Description of EUT	
Product Name:	Portable Photo Printer, INSTANT CAMERA
Trade Name:	/
Model No.:	HCP-2TS24G
Adding Model(s):	Z5, HPRT Z5, HCP-2TS25E
Rated Voltage:	5VDC, 2A
Battery Capacity 1#:	800mAh
Battery Capacity 2#:	860mAh
Power Adapter Model:	/
<i>Note: The test data is gathered from a production sample, provided by the manufacturer. The appearance of others models listed in the report is different from main-test model HCP-2TS24G, but the circuit and the electronic construction do not change, declared by the manufacturer.</i>	

Technical Characteristics of EUT	
Support Standards:	NFC
Frequency Range:	13.56MHz
Max. Field Strength:	46.33dBuV/m (at 3m)
Modulation Type:	ASK
Antenna Type:	Coil Antenna
Antenna Gain:	0dBi
<i>Note The Antenna Gain is provided by the customer and can affect the validity of results.</i>	

1.2 Test Standards

The tests were performed according to following standards:

FCC Rules Part 15.225: Operation within the band 13.110-14.010MHz.

ANSI C63.10-2013: American National Standard for Testing Unlicensed Wireless Devices.

Maintenance of compliance is the responsibility of the manufacturer. Any modification of the product, which result in lowering the emission/immunity, should be checked to ensure compliance has been maintained.

1.3 Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2013, The equipment under test (EUT) was configured to measure its highest possible emission level. The test modes were adapted accordingly in reference to the Operating Instructions.

1.4 Test Facility

Address of the test laboratory

Laboratory: Waltek Testing Group (Shenzhen) Co., Ltd.

Address: 1/F., Room 101, Building 1, Hongwei Industrial Park, Liuxian 2nd Road, Block 70 Bao'an District, Shenzhen, Guangdong, China

FCC – Registration No.: 125990

Waltek Testing Group (Shenzhen) Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files. The Designation Number is CN5010, and Test Firm Registration Number is 125990.

Industry Canada (IC) Registration No.: 11464A

The 3m Semi-anechoic chamber of Waltek Testing Group (Shenzhen) Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 11464A and the CAB identifier is CN0057.

1.5 EUT Setup and Test Mode

The EUT was operated in the continuous transmitting mode that was for the purpose of the measurements. All testing shall be performed under maximum output power condition, and to measure its highest possible emissions level, more detailed description as follows:

Test Mode List		
Test Mode	Description	Remark
TM1	Transmitting	13.56MHz

Test Conditions	
Temperature:	22~25 °C
Relative Humidity:	45~75 %
ATM Pressure:	1019 mbar

EUT Cable List and Details			
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite
USB Cable	1.0	shielded	With Ferrite

Special Cable List and Details			
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite
/	/	/	/

Auxiliary Equipment List and Details			
Description	Manufacturer	Model	Serial Number
Adapter	Xiaomi	MDY-08-EH	/

1.6 Measurement Uncertainty

Measurement uncertainty		
Parameter	Conditions	Uncertainty
Frequency Deviation	2.3%	5%
Conducted Emissions	Conducted	9-150kHz, 3.74dB
		0.15-30MHz, 3.34dB
Transmitter Spurious Emissions	Radiated	30-200MHz, 4.52dB
		0.2-1GHz 5.56dB
		1-6GHz, 3.84dB
		6-18GHz, 3.92dB

1.7 Test Equipment List and Details

2025 Equipment List

Fixed asset Number	Description	Manufacturer	Model	Serial No.	Cal Date	Due. Date
WTXE1005A 1005	Spectrum Analyzer	Agilent	N9020A	US471401 02	2025-02-23	2026-02-22
WTXE1084A 1001	Spectrum Analyzer	Agilent	N9020A	MY543205 48	2025-02-23	2026-02-22
WTXE1004A 1-001	Spectrum Analyzer	Rohde & Schwarz	FSP40	100612	2025-02-23	2026-02-22
WTXE1103A 1003	Attenuator	Pasternack	PE4007-4	/	2025-02-23	2026-02-22
WTXE1003A 1-005	Coaxial Cable	/	0M4RFC	/	2025-02-23	2026-02-22
☐ Chamber A: Below 1GHz						
WTXE1005A 1003	Spectrum Analyzer	Rohde & Schwarz	FSP30	836079/03 5	2025-02-23	2026-02-22
WTXE1001A 1001	EMI Test Receiver	Rohde & Schwarz	ESPI	101611	2025-02-23	2026-02-22
WTXE1007A 1001	Amplifier	HP	8447F	2805A034 75	2025-02-23	2026-02-22
WTXE1010A 1007	Loop Antenna	Schwarz beck	FMZB 1516	9773	2024-02-26	2026-02-25
WTXE1010A 1006	Broadband Antenna	Schwarz beck	VULB9163	9163-333	2025-02-23	2026-02-22
WTXE1104A 1032-1	Coaxial Cable	/	RC_6G-N-M	/	2025-02-23	2026-02-22
WTXE1104A 1032-2	Coaxial Cable	/	RC_6G-N-M	/	2025-02-23	2026-02-22
WTXE1104A 1032-3	Coaxial Cable	/	RC_6G-N-M	/	2025-02-23	2026-02-22
☐ Chamber A: Above 1GHz						
WTXE1005A 1003	Spectrum Analyzer	Rohde & Schwarz	FSP30	836079/03 5	2025-02-23	2026-02-22
WTXE1001A 1001	EMI Test Receiver	Rohde & Schwarz	ESPI	101611	2025-02-23	2026-02-22
WTXE1065A 1001	Amplifier	C&D	PAP-1G18	2002	2025-02-23	2026-02-22
WTXE1010A 1005	Horn Antenna	ETS	3117	00086197	2025-02-23	2026-02-22
WTXE1010A	DRG Horn	A.H. SYSTEMS	SAS-574	571	2024-03-17	2026-03-16

1010	Antenna					
WTXE1003A 1001	Pre-amplifier	Schwarzbeck	BBV 9721	9721-031	2025-02-23	2026-02-22
WTXE1104A 1033-1	Coaxial Cable	/	C16-07-07	/	2025-02-23	2026-02-22
WTXE1104A 1033-2	Coaxial Cable	/	C16-07-07	/	2025-02-23	2026-02-22
WTXE1104A 1033-3	Coaxial Cable	/	C16-07-07	/	2025-02-23	2026-02-22
☐ Chamber B:Below 1GHz						
WTXE1010A 1006	Trilog Broadband Antenna	Schwarz beck	VULB9163(B)	9163-635	2024-03-17	2027-03-16
WTXE1038A 1001	Amplifier	Agilent	8447D	2944A104 57	2025-02-23	2026-02-22
WTXE1001A 1002	EMI Test Receiver	Rohde & Schwarz	ESPI	101391	2025-02-23	2026-02-22
WTXE1104A 1031-1	Coaxial Cable	/	1.5MRFC-LWB3	/	2025-02-23	2026-02-22
WTXE1104A 1031-2	Coaxial Cable	/	RG 316	/	2025-02-23	2026-02-22
WTXE1104A 1031-3	Coaxial Cable	/	RG 316	/	2025-02-23	2026-02-22
☒ Chamber C:Below 1GHz						
WTXE1093A 1001	EMI Test Receiver	Rohde & Schwarz	ESIB 26	100401	2025-02-23	2026-02-22
WTXE1010A 1013-1	Trilog Broadband Antenna	Schwarz beck	VULB 9168	1194	2024-04-18	2027-04-17
WTXE1010A 1007	Loop Antenna	Schwarz beck	FMZB 1516	9773	2024-02-26	2026-02-25
WTXE1007A 1002	Amplifier	HP	8447F	2944A038 69	2025-02-23	2026-02-22
WTXE1104A 1034-1	Coaxial Cable	/	RC_6G-N-M	/	2025-02-23	2026-02-22
WTXE1104A 1034-2	Coaxial Cable	/	RC_6G-N-M	/	2025-02-23	2026-02-22
WTXE1104A 1034-3	Coaxial Cable	/	RC_6G-N-M	/	2025-02-23	2026-02-22
☒ Chamber C: Above 1GHz						
WTXE1093A 1001	EMI Test Receiver	Rohde & Schwarz	ESIB 26	100401	2025-02-23	2026-02-22

WTXE1103A 1005	Horn Antenna	POAM	RTF-118A	1820	2023-03-10	2026-03-09
WTXE1103A 1006	Amplifier	Tonscend	TAP01018050	AP22E806 235	2025-02-23	2026-02-22
WTXE1010A 1010	DRG Horn Antenna	A.H. SYSTEMS	SAS-574	571	2024-03-17	2026-03-16
WTXE1003A 1001	Pre-amplifier	Schwarzbeck	BBV 9721	9721-031	2025-02-23	2026-02-22
WTXE1104A 1035-1	Coaxial Cable	/	RC-18G-N-M	/	2025-02-23	2026-02-22
WTXE1104A 1035-2	Coaxial Cable	/	RC-18G-N-M	/	2025-02-23	2026-02-22
WTXE1104A 1035-3	Coaxial Cable	/	RC-18G-N-M	/	2025-02-23	2026-02-22
☐ Conducted Room 1#						
WTXE1104A 1029	EMI Test Receiver	Rohde & Schwarz	ESCI	100525	2024-12-08	2025-12-07
WTXE1002A 1001	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100911	2025-02-23	2026-02-22
WTXE1003A 1001	AC LISN	Schwarz beck	NSLK8126	8126-279	2025-02-23	2026-02-22
WTXE1104A 1036	Coaxial Cable	/	RG 316	/	2025-02-23	2026-02-22
WTXE1104A 1038	Coaxial Cable	/	6MRFC-DP	/	2025-02-23	2026-02-22
☒ Conducted Room 2#						
WTXE1001A 1004	EMI Test Receiver	Rohde & Schwarz	ESPI	101259	2025-02-23	2026-02-22
WTXE1003A 1003	LISN	Rohde & Schwarz	ENV 216	100097	2025-02-23	2026-02-22
WTXE1104A 1037	Coaxial Cable	/	RG 316	/	2025-02-23	2026-02-22

2026 Equipment List

Internal No.	Description	Manufacturer	Model	Serial No.	Cal Date	Due. Date
WTXE1005A 1005	MXA Signal Analyzer	Agilent	N9020A	US471401 02	2026-02-06	2027-02-05
WTXE1084A 1001	MXA Signal Analyzer	KEYSIGHT	N9020A	MY543205 48	2026-02-06	2027-02-05
WTXE1005A 1006	Spectrum Analyzer	Rohde & Schwarz	FSP40	100612	2026-02-06	2027-02-05
WTXW1105A 1136	RF ATTENUATOR	FEIYANG	N-JK	/	2026-02-06	2027-02-05
WTXE1003A 1-005	Coaxial Cable	/	0M4RFC	/	2026-02-23	2027-02-22
☐ Chamber A: Below 1GHz						
WTXE1005A 1003	Spectrum Analyzer	Rohde & Schwarz	FSP30	836079/03 5	2026-02-05	2027-02-04
WTXE1001A 1001	EMI Test Receiver	Rohde & Schwarz	ESPI	101611	2026-02-05	2027-02-04
WTXE1007A 1002	Amplifier	HP	8447F	2805A034 75	2026-02-05	2027-02-04
WTXE1010A 1007	Loop Antenna	Schwarz beck	FMZB 1516	9773	2026-02-05	2027-02-04
WTXE1010A 1006	Broadband Antenna	Schwarz beck	VULB9163	9163-333	2023-03-20	2026-03-19
WTXE1104A 1032-1	Coaxial Cable	/	RC_6G-N-M	/	2026-02-23	2027-02-22
WTXE1104A 1032-2	Coaxial Cable	/	RC_6G-N-M	/	2026-02-23	2027-02-22
WTXE1104A 1032-3	Coaxial Cable	/	RC_6G-N-M	/	2026-02-23	2027-02-22
☐ Chamber A: Above 1GHz						
WTXE1005A 1003	Spectrum Analyzer	Rohde & Schwarz	FSP30	836079/03 5	2026-02-05	2027-02-04
WTXE1001A 1001	EMI Test Receiver	Rohde & Schwarz	ESPI	101611	2026-02-05	2027-02-04
WTXE1065A 1001	Amplifier	C&D	PAP-1.0G18	14918	2026-02-05	2027-02-04
WTXE1010A 1005	Horn Antenna	ETS	3117	00086197	2026-02-05	2027-02-04
WTXE1010A 1010	DRG Horn Antenna	A.H. SYSTEMS	SAS-574	571	2026-02-10	2027-02-09
WTXE1003A 1001	Pre-amplifier	Schwarzbeck	BBV 9721	9721-031	2026-02-05	2027-02-04

WTXE1104A 1033-1	Coaxial Cable	/	C16-07-07	/	2026-02-23	2027-02-22
WTXE1104A 1033-2	Coaxial Cable	/	C16-07-07	/	2026-02-23	2027-02-22
WTXE1104A 1033-3	Coaxial Cable	/	C16-07-07	/	2026-02-23	2027-02-22
☐ Chamber B:Below 1GHz						
WTXE1010A 1006	Trilog Broadband Antenna	Schwarz beck	VULB9163(B)	9163-635	2024-03-17	2027-03-16
WTXE1038A 1001	Amplifier	Agilent	8447D	2944A104 57	2026-02-05	2027-02-04
WTXE1001A 1002	EMI Test Receiver	Rohde & Schwarz	ESPI	101391	2026-02-05	2027-02-04
WTXE1104A 1031-1	Coaxial Cable	/	1.5MRFC-LWB3	/	2026-02-23	2027-02-22
WTXE1104A 1031-2	Coaxial Cable	/	RG 316	/	2026-02-23	2027-02-22
WTXE1104A 1031-3	Coaxial Cable	/	RG 316	/	2026-02-23	2027-02-22
☒ Chamber C:Below 1GHz						
WTXE1093A 1001	EMI Test Receiver	Rohde & Schwarz	ESIB 26	100401	2026-02-05	2027-02-04
WTXE1010A 1013-1	Trilog Broadband Antenna	Schwarz beck	VULB 9168	1194	2024-04-18	2027-04-17
WTXE1010A 1007	Loop Antenna	Schwarz beck	FMZB 1516	9773	2026-02-05	2027-02-04
WTXE1007A 1003	Amplifier	HP	8447F	2944A038 69	2026-02-05	2027-02-04
WTXE1104A 1034-1	Coaxial Cable	/	RC_6G-N-M	/	2026-02-23	2027-02-22
WTXE1104A 1034-2	Coaxial Cable	/	RC_6G-N-M	/	2026-02-23	2027-02-22
WTXE1104A 1034-3	Coaxial Cable	/	RC_6G-N-M	/	2026-02-23	2027-02-22
☒ Chamber C: Above 1GHz						
WTXE1093A 1001	EMI Test Receiver	Rohde & Schwarz	ESIB 26	100401	2026-02-05	2027-02-04
WTXE1103A 1005	Horn Antenna	POAM	RTF-118A	1820	2025-06-13	2027-06-12
WTXE1103A	Amplifier	Tonscend	TAP01018050	AP22E806	2026-02-05	2027-02-04

1006				235		
WTXE1010A 1010	DRG Horn Antenna	A.H. SYSTEMS	SAS-574	571	2026-02-10	2027-02-09
WTXE1003A 1001	Pre-amplifier	Schwarzbeck	BBV 9721	9721-031	2026-02-05	2027-02-04
WTXE1104A 1035-1	Coaxial Cable	/	RC-18G-N-M	/	2026-02-23	2027-02-22
WTXE1104A 1035-2	Coaxial Cable	/	RC-18G-N-M	/	2026-02-23	2027-02-22
WTXE1104A 1035-3	Coaxial Cable	/	RC-18G-N-M	/	2026-02-23	2027-02-22
☐ Conducted Room 1#						
WTXE1104A 1029	EMI Test Receiver	Rohde & Schwarz	ESCI	100525	2025-11-25	2026-11-24
WTXE1002A 1001	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100911	2026-02-05	2027-02-04
WTXE1003A 1001	AC LISN	Schwarz beck	NSLK8126	8126-279	2026-02-05	2027-02-04
WTXE1104A 1036	Coaxial Cable	/	RG 316	/	2026-02-23	2027-02-22
WTXE1104A 1038	Coaxial Cable	/	6MRFC-DP	/	2026-02-23	2027-02-22
☒ Conducted Room 2#						
WTXE1001A 1004	EMI Test Receiver	Rohde & Schwarz	ESPI	101259	2026-02-05	2027-02-04
WTXE1003A 1003	LISN	Rohde & Schwarz	ENV 216	100097	2026-02-05	2027-02-04
WTXE1104A 1037	Coaxial Cable	/	RG 316	/	2026-02-23	2027-02-22

Software List			
Description	Manufacturer	Model	Version
EMI Test Software (Radiated Emission A)	Farad	EZ-EMC	RA-03A1 (1.1.4.2)
EMI Test Software (Radiated Emission B)	Farad	EZ-EMC	RA-03A1 (1.1.4.2)
EMI Test Software (Radiated Emission C)	Farad	EZ-EMC	RA-03A1-2 (1.1.4.2)
EMI Test Software (Conducted Emission Room 1#)	Farad	EZ-EMC	3A1*CE-RE 1.1.4.3
EMI Test Software (Conducted Emission Room 2#)	Farad	EZ-EMC	3A1*CE-RE 1.1.4.3

*Remark: indicates software version used in the compliance certification testing.

2. SUMMARY OF TEST RESULTS

FCC Rules	Description of Test Item	Result
§15.203	Antenna Requirement	Compliant
§15.205	Restricted Band of Operation	N/A
§15.209	Radiated Emission	Compliant
§15.225(a)	Field Strength	N/A
§15.225(b)(c)	Out of Band Emission	N/A
§15.225(e)	Frequency Stability	N/A
§15.207(a)	Conducted Emission	Compliant
§15.215(c)	Emission Bandwidth	N/A

Class II Permissive Change: Add the EUT photos, Battery Capacity 2#. No change in radio parameters has occurred.

Note: Report is for Class II Permissive Change only. Updated test data include Antenna Requirement, Conducted Emission and Radiated Emission. The test data refer to Original equipment (FCC ID: 2AUTE-2TS24G), the original FCC ID issue date: 05/19/2025.

3. Antenna Requirement

3.1 Standard Applicable

According to FCC Part 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

3.2 Test Result

This product has a Coil antenna, fulfill the requirement of this section.

4. Radiated Emissions

4.1 Standard Applicable

According to §15.225(a), the field strength of any emissions within the band 13.553–13.567MHz shall not exceed 15,848 microvolts/meter at 30 meters.

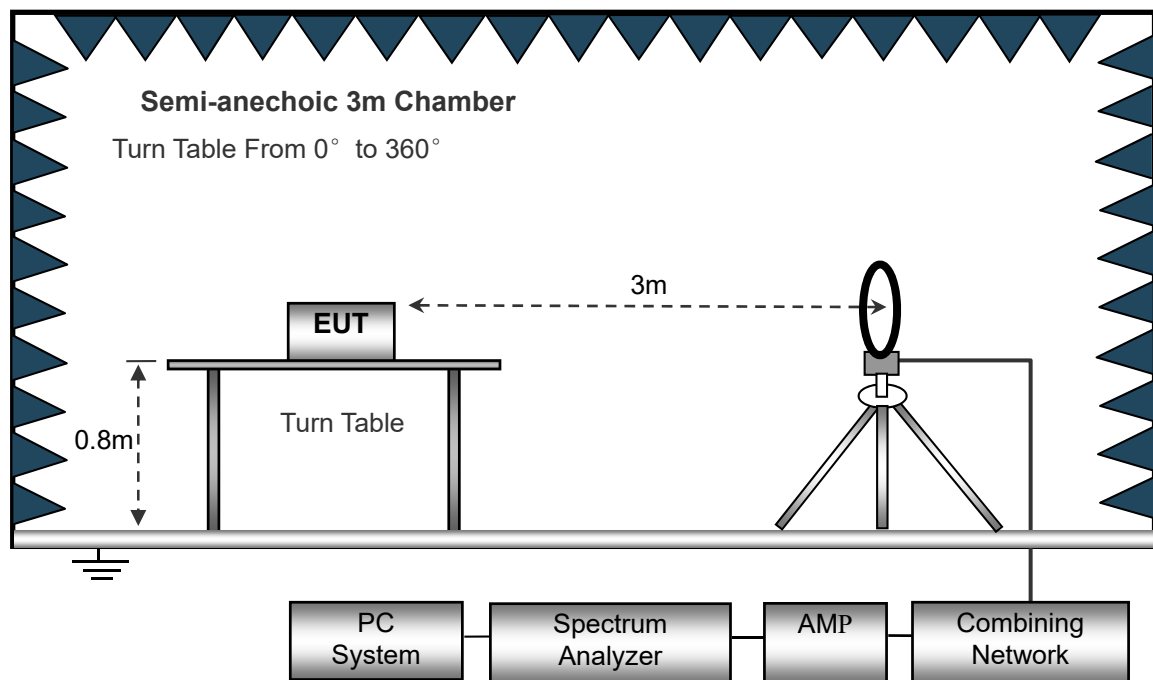
According to §15.225(d), the field strength of any emissions which appear outside of this band shall not exceed the general radiated emission limits in §15.209.

Note: Spurious Radiated Emissions measurements starting below or at the lowest crystal frequency.

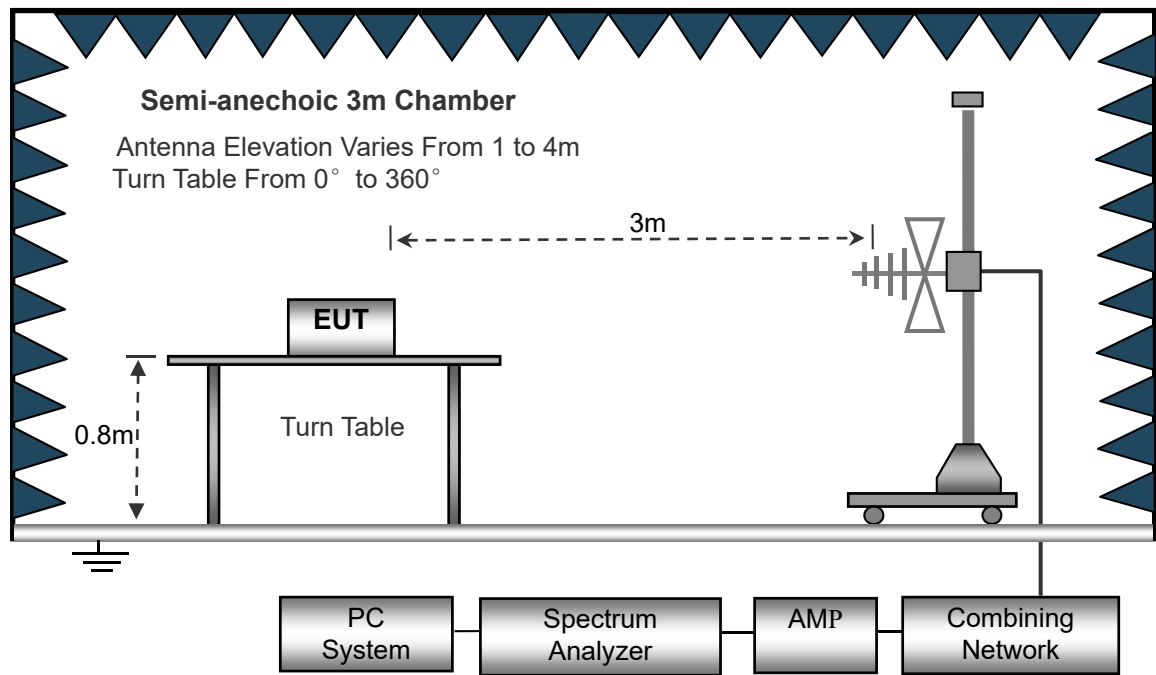
4.2 Test Procedure

The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.205 15.225(d) and FCC Part 15.209 Limit.

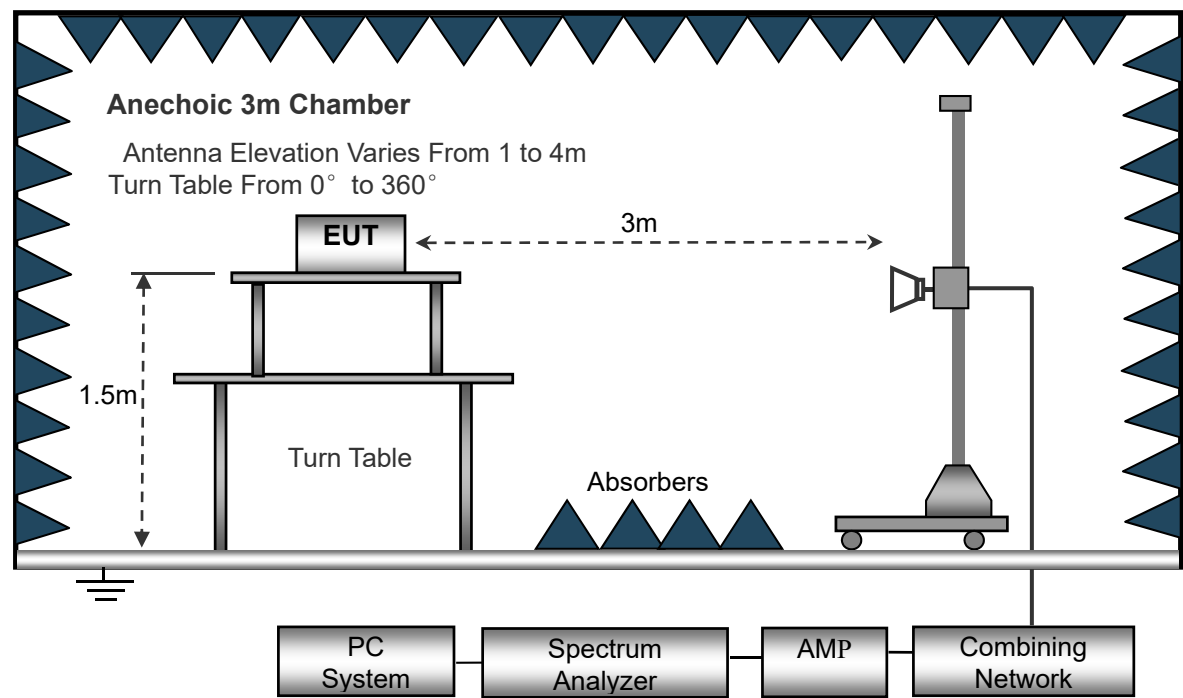
The external I/O cables were draped along the test table and formed a bundle 30 to 40cm long in the middle. The spacing between the peripherals was 10cm. The test setup for emission measurement below 30MHz.



The test setup for emission measurement from 30MHz to 1GHz.



The test setup for emission measurement above 1GHz.



Frequency :9kHz-30MHz	Frequency :30MHz-1GHz	Frequency :Above 1GHz
RBW=10kHz,	RBW=120kHz,	RBW=1MHz,
VBW =30kHz	VBW=300kHz	VBW=3MHz(Peak), 10Hz(AV)
Sweep time= Auto	Sweep time= Auto	Sweep time= Auto
Trace = max hold	Trace = max hold	Trace = max hold
Detector function = peak	Detector function = peak, QP	Detector function = peak, AV

4.3 Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and the Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

$$\text{Corr. Ampl.} = \text{Indicated Reading} - \text{Corr. Factor}$$

The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -6dB μ V means the emission is 6dB μ V below the maximum limit for Class B. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Corr. Ampl.} - \text{FCC Part 15 Limit}$$

4.4 Summary of Test Results/Plots

Note: this EUT was tested in 3 orthogonal positions and the worst case position data was reported.

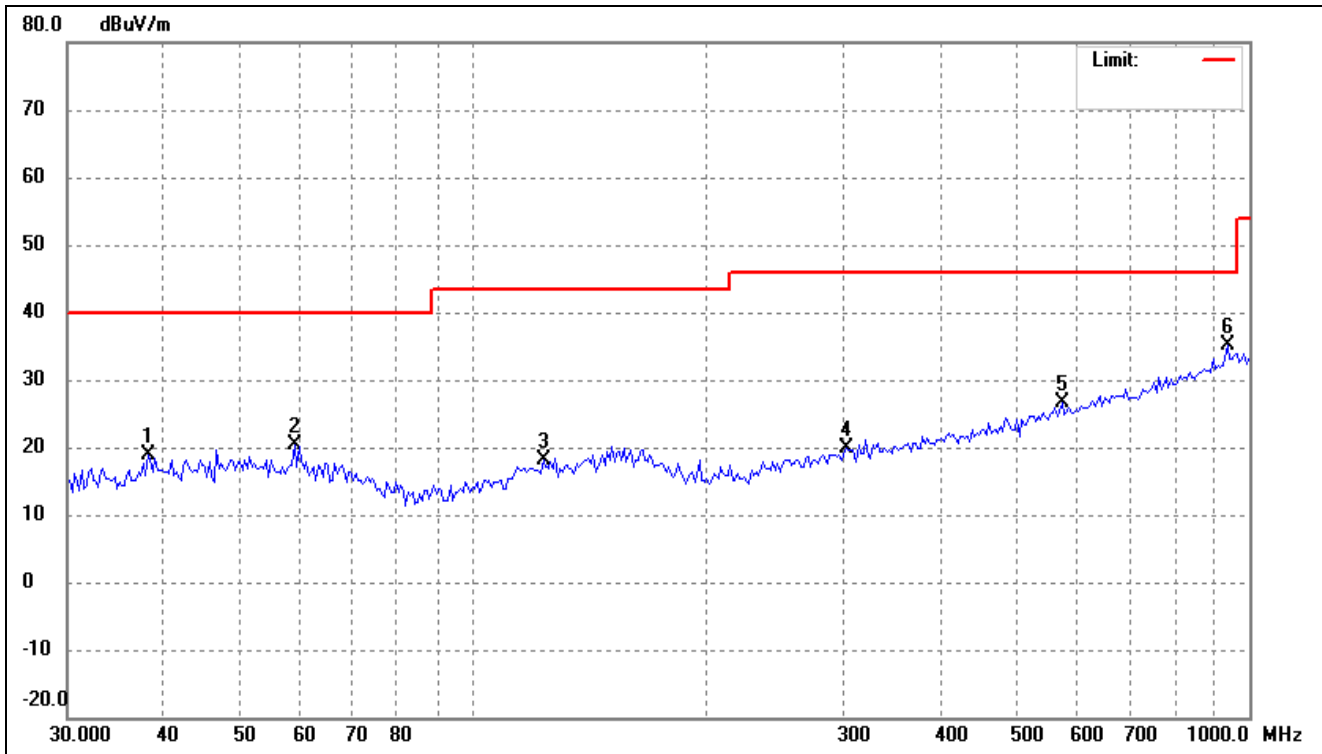
➤ Below 30MHz

Frequency	Reading	Correction Factor	Result	Limit	Margin	Polar	Detector
MHz	dBuV/m	dB/m	dBuV/m	dBuV/m	dB	X/Y/Z	
13.56	45.29	-2.08	43.21	124.0	-80.79	X	Peak
27.12	37.86	-2.27	35.59	69.5	-33.91	X	Peak
13.56	44.92	-2.08	42.84	124.0	-81.16	Y	Peak
27.12	37.20	-2.27	34.93	69.5	-34.57	Y	Peak
13.56	44.31	-2.08	42.23	124.0	-81.77	Z	Peak
27.12	36.59	-2.27	34.32	69.5	-35.18	Z	Peak

Reference No.: WTX24X12310759R2W001

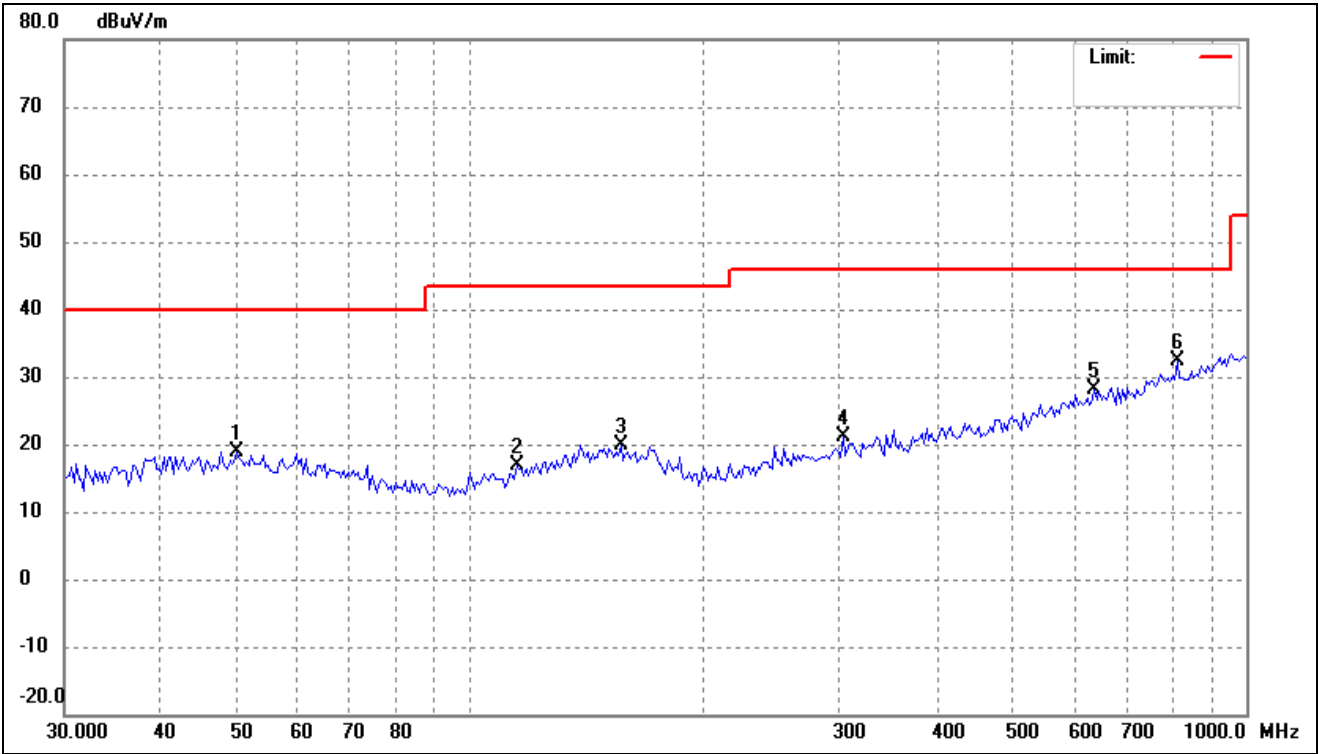
- Above 30MHz
- HCP-2TS25E (1#)

Test Mode	TM1	Polarity:	Horizontal
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No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	38.0965	27.34	-8.36	18.98	40.00	-21.02	-	-	peak
2	58.8979	28.84	-8.36	20.48	40.00	-19.52	-	-	peak
3	123.1815	28.03	-9.79	18.24	43.50	-25.26	-	-	peak
4	302.8193	27.77	-7.80	19.97	46.00	-26.03	-	-	peak
5	573.9882	29.39	-2.88	26.51	46.00	-19.49	-	-	peak
6	938.7139	32.17	3.03	35.20	46.00	-10.80	-	-	peak

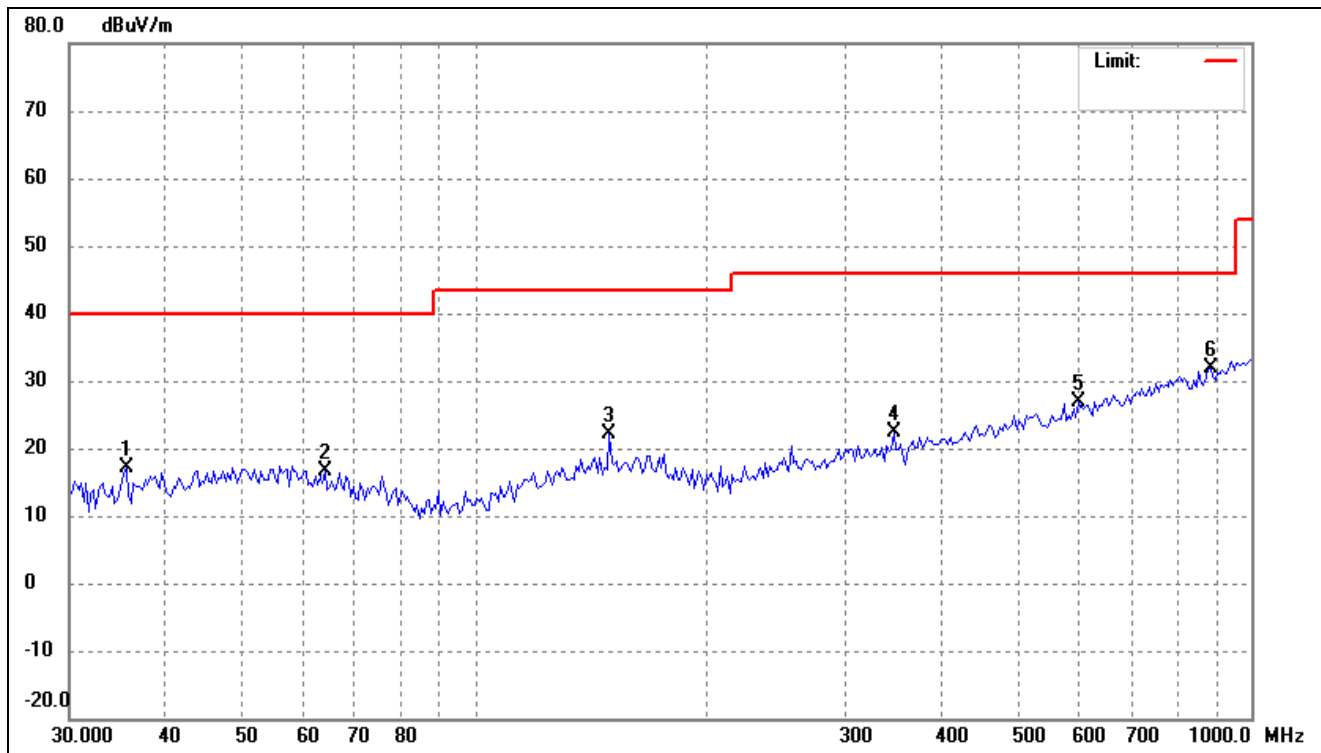
Test Mode	TM1	Polarity:	Vertical
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No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	50.1080	26.57	-7.59	18.98	40.00	-21.02	-	-	peak
2	114.8224	27.53	-10.56	16.97	43.50	-26.53	-	-	peak
3	156.4259	27.97	-8.05	19.92	43.50	-23.58	-	-	peak
4	302.8193	29.04	-7.80	21.24	46.00	-24.76	-	-	peak
5	637.7947	29.69	-1.67	28.02	46.00	-17.98	-	-	peak
6	815.6353	31.10	1.17	32.27	46.00	-13.73	-	-	peak

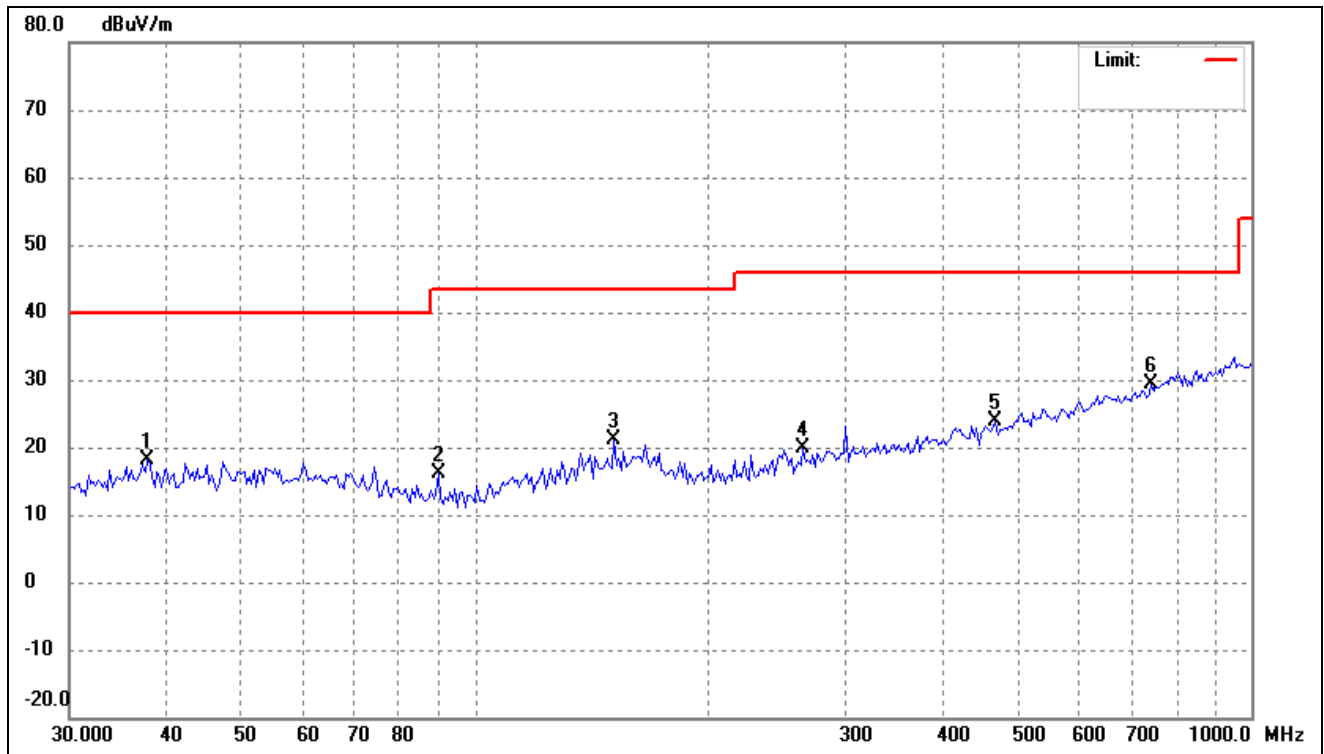
➤ HCP-2TS25E (2#)

Test Mode	TM1	Polarity:	Horizontal
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No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	35.5112	27.41	-10.18	17.23	40.00	-22.77	-	-	peak
2	64.0799	26.64	-10.08	16.56	40.00	-23.44	-	-	peak
3	148.9173	31.00	-8.91	22.09	43.50	-21.41	-	-	peak
4	346.0739	29.38	-7.05	22.33	46.00	-23.67	-	-	peak
5	598.7067	28.87	-2.09	26.78	46.00	-19.22	-	-	peak
6	887.3978	30.15	1.70	31.85	46.00	-14.15	-	-	peak

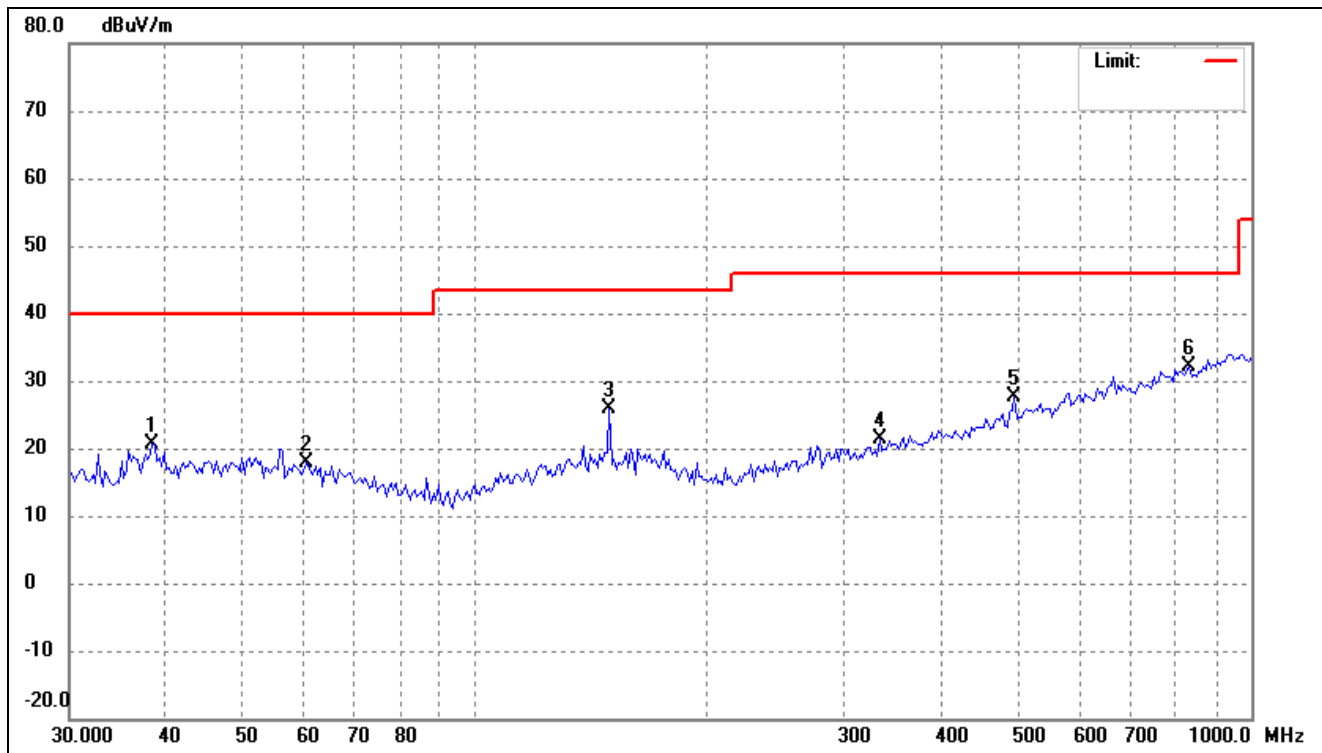
Test Mode	TM1	Polarity:	Vertical
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No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	37.8296	27.96	-9.82	18.14	40.00	-21.86	-	-	peak
2	89.7866	30.57	-14.38	16.19	43.50	-27.31	-	-	peak
3	151.0251	30.03	-8.90	21.13	43.50	-22.37	-	-	peak
4	264.9709	28.97	-9.07	19.90	46.00	-26.10	-	-	peak
5	468.1650	28.71	-4.89	23.82	46.00	-22.18	-	-	peak
6	744.4265	29.25	0.05	29.30	46.00	-16.70	-	-	peak

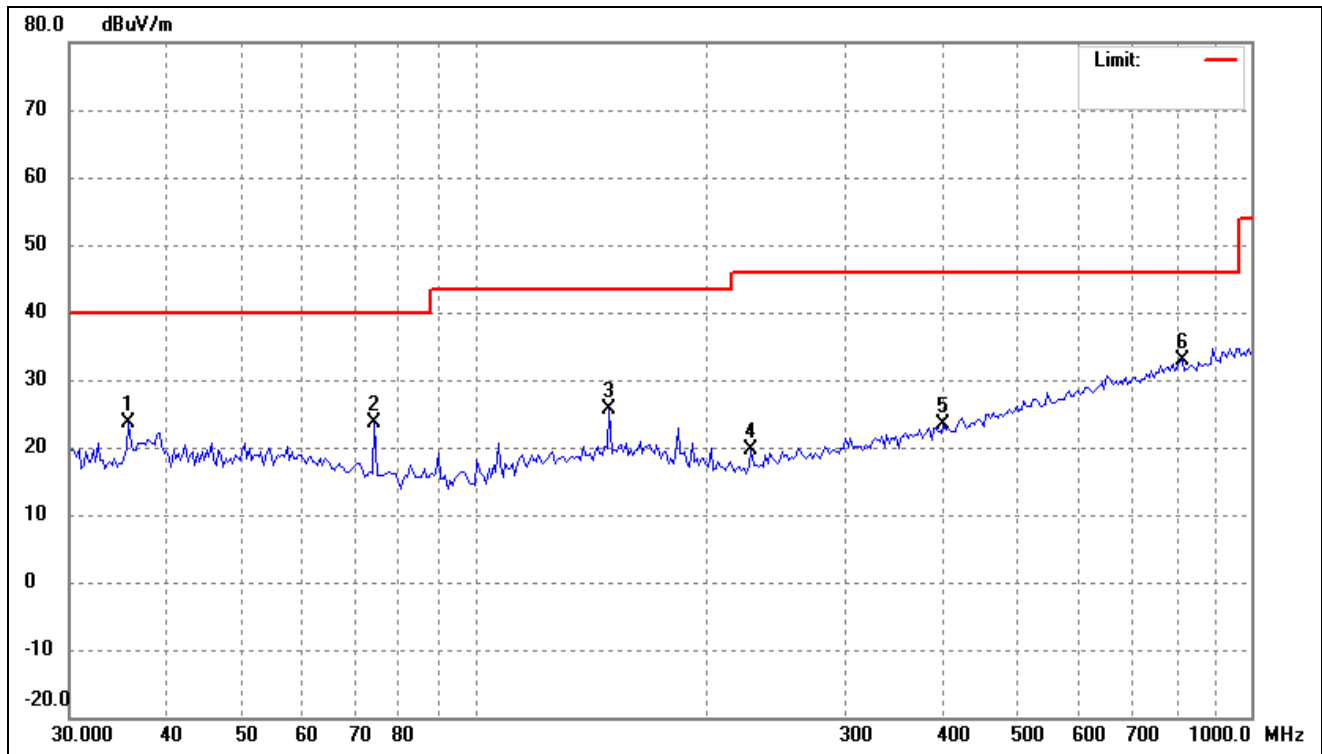
➤ HCP-2TS25E (3#)

Test Mode	TM1	Polarity:	Horizontal
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No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	38.3651	29.68	-9.05	20.63	40.00	-19.37	-	-	peak
2	60.5769	26.86	-8.95	17.91	40.00	-22.09	-	-	peak
3	148.9173	34.41	-8.57	25.84	43.50	-17.66	-	-	peak
4	331.7857	28.84	-7.52	21.32	46.00	-24.68	-	-	peak
5	495.2379	31.25	-3.70	27.55	46.00	-18.45	-	-	peak
6	833.0126	30.40	1.67	32.07	46.00	-13.93	-	-	peak

Test Mode	TM1	Polarity:	Vertical
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No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	35.7616	33.11	-9.42	23.69	40.00	-16.31	-	-	peak
2	74.2696	34.92	-11.23	23.69	40.00	-16.31	-	-	peak
3	148.9173	34.23	-8.57	25.66	43.50	-17.84	-	-	peak
4	227.0164	31.11	-11.45	19.66	46.00	-26.34	-	-	peak
5	401.1049	29.51	-6.24	23.27	46.00	-22.73	-	-	peak
6	815.6352	31.12	1.70	32.82	46.00	-13.18	-	-	peak

Remark: '-' Means' the test Degree and Height are not recorded by the test software and only show the worst case in the test report.

Note: Testing is carried out with frequency rang 9kHz to the tenth harmonics.

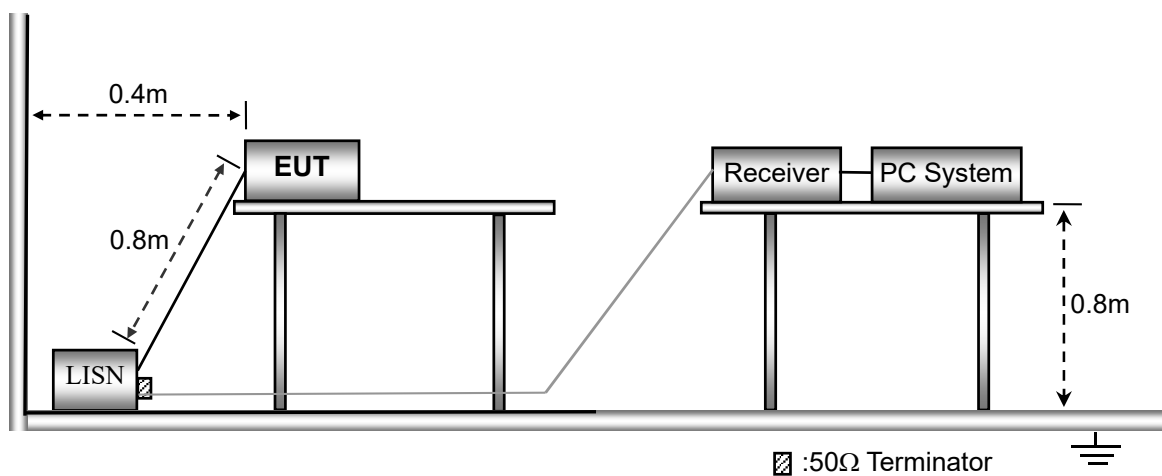
5. Conducted Emissions

5.1 Test Procedure

The setup of EUT is according with per ANSI C63.4-2014 measurement procedure. The specification used was with the FCC Part 15.207 Limit.

The external I/O cables were draped along the test table and formed a bundle 30 to 40cm long in the middle. The spacing between the peripherals was 10cm.

5.2 Basic Test Setup Block Diagram



5.3 Test Receiver Setup

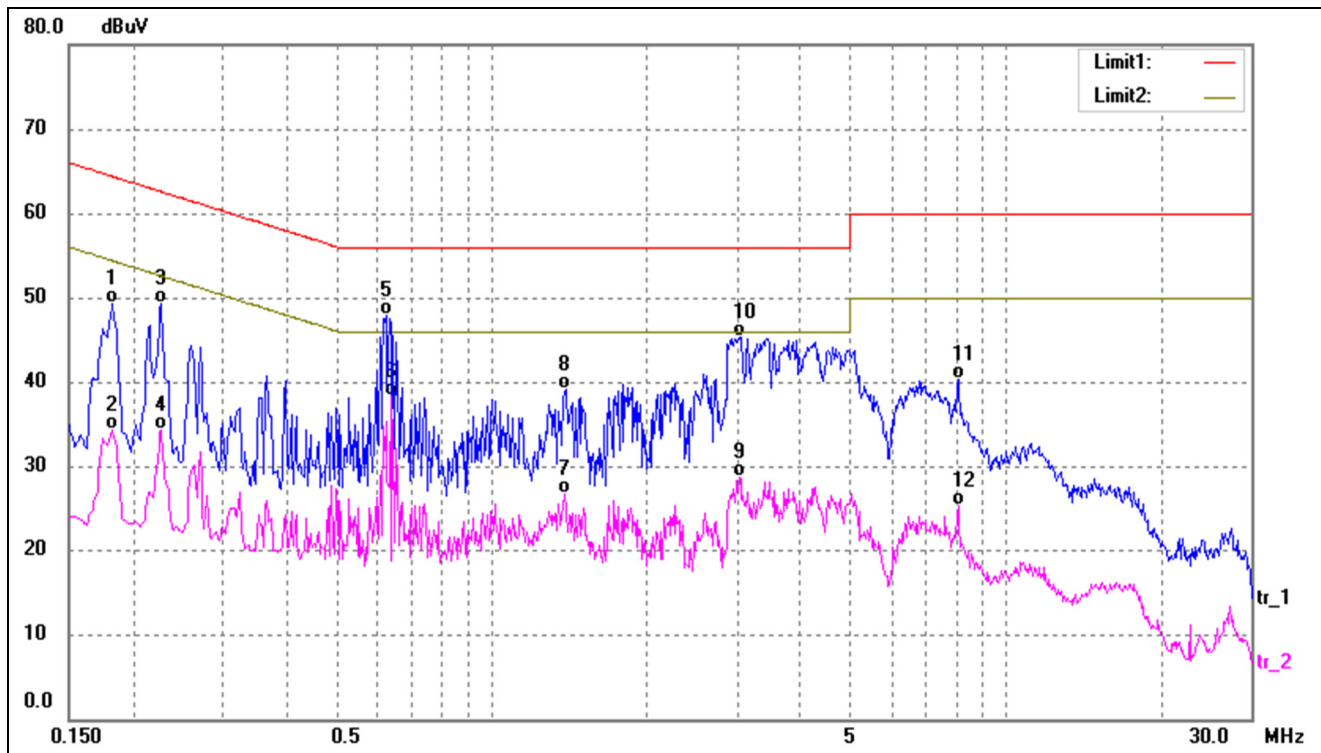
During the conducted emission test, the test receiver was set with the following configurations:

Start Frequency	150kHz
Stop Frequency	30MHz
Sweep Speed	Auto
IF Bandwidth.....	10kHz
Quasi-Peak Adapter Bandwidth	9kHz
Quasi-Peak Adapter Mode	Normal

5.4 Summary of Test Results/Plots

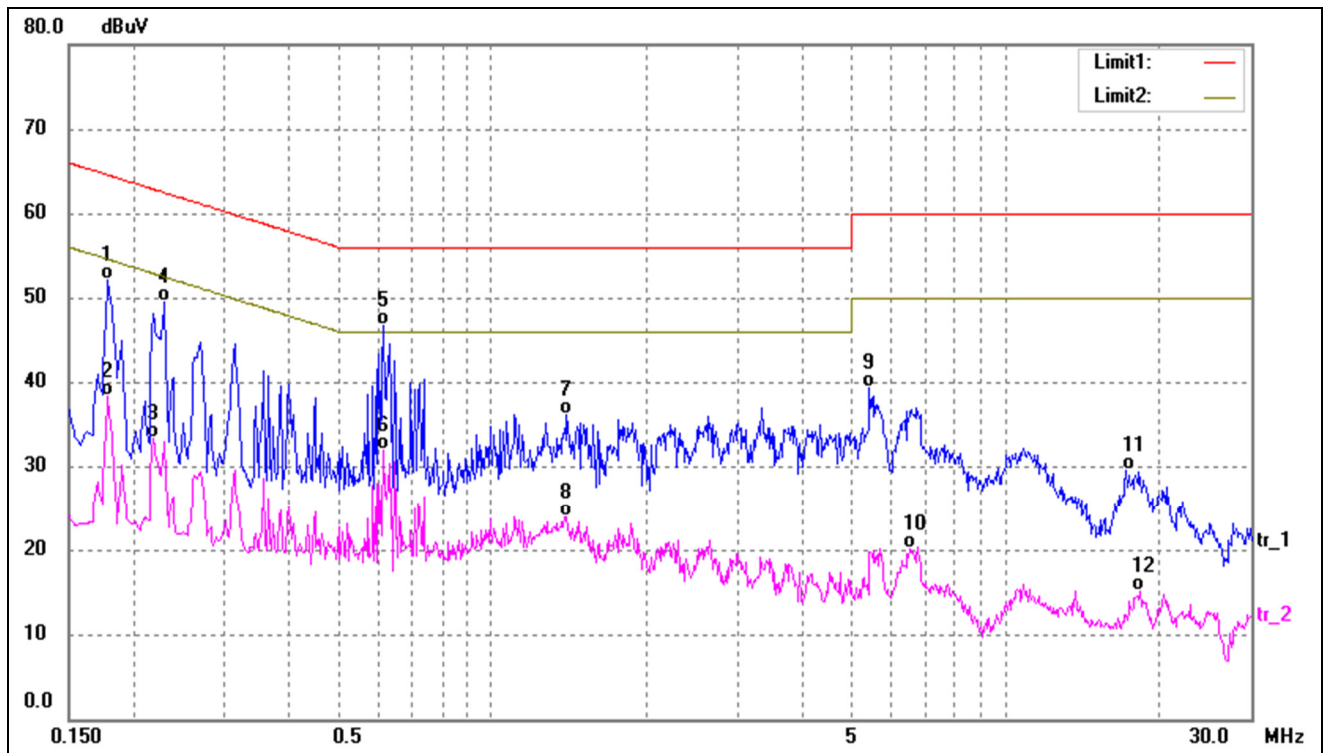
HCP-2TS25E (1#)

Test Mode	TM1(AC120V 60Hz)	Polarity:	Neutral
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1819	39.67	9.66	49.33	64.39	-15.06	QP
2	0.1819	24.66	9.66	34.32	54.39	-20.07	AVG
3	0.2260	39.56	9.70	49.26	62.59	-13.33	QP
4	0.2260	24.58	9.70	34.28	52.59	-18.31	AVG
5	0.6220	38.33	9.50	47.83	56.00	-8.17	QP
6*	0.6340	28.77	9.51	38.28	46.00	-7.72	AVG
7	1.3860	17.01	9.65	26.66	46.00	-19.34	AVG
8	1.3900	29.35	9.66	39.01	56.00	-16.99	QP
9	3.0340	18.94	9.74	28.68	46.00	-17.32	AVG
10	3.0700	35.66	9.74	45.40	56.00	-10.60	QP
11	8.0900	30.57	9.74	40.31	60.00	-19.69	QP
12	8.0900	15.47	9.74	25.21	50.00	-24.79	AVG

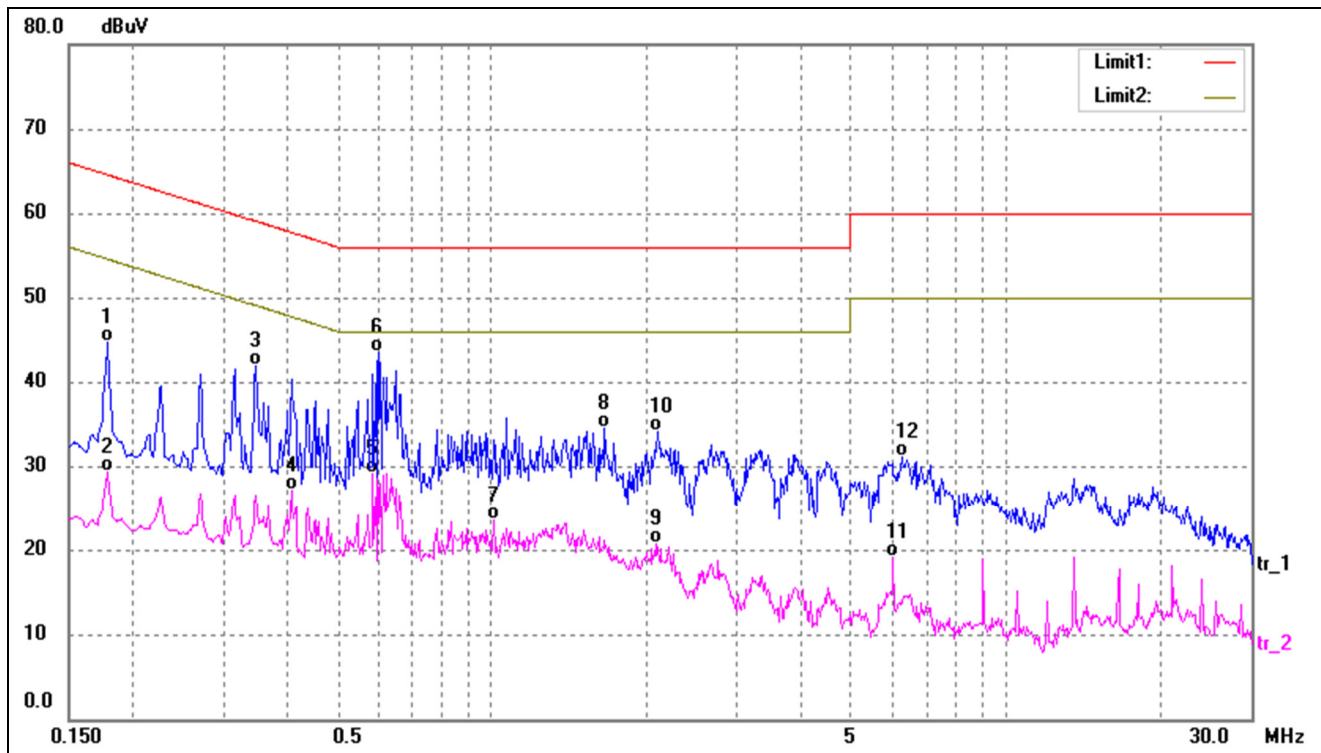
Test Mode	TM1(AC120V 60Hz)	Polarity:	Line
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1780	42.43	9.64	52.07	64.57	-12.50	QP
2	0.1780	28.64	9.64	38.28	54.57	-16.29	AVG
3	0.2180	23.56	9.71	33.27	52.89	-19.62	AVG
4	0.2300	39.79	9.70	49.49	62.45	-12.96	QP
5	0.6140	37.15	9.50	46.65	56.00	-9.35	QP
6*	0.6140	22.43	9.50	31.93	46.00	-14.07	AVG
7	1.3980	26.44	9.66	36.10	56.00	-19.90	QP
8	1.3980	14.26	9.66	23.92	46.00	-22.08	AVG
9	5.4380	29.60	9.62	39.22	60.00	-20.78	QP
10	6.5220	10.48	9.67	20.15	50.00	-29.85	AVG
11	17.1820	19.84	9.71	29.55	60.00	-30.45	QP
12	18.2380	5.29	9.76	15.05	50.00	-34.95	AVG

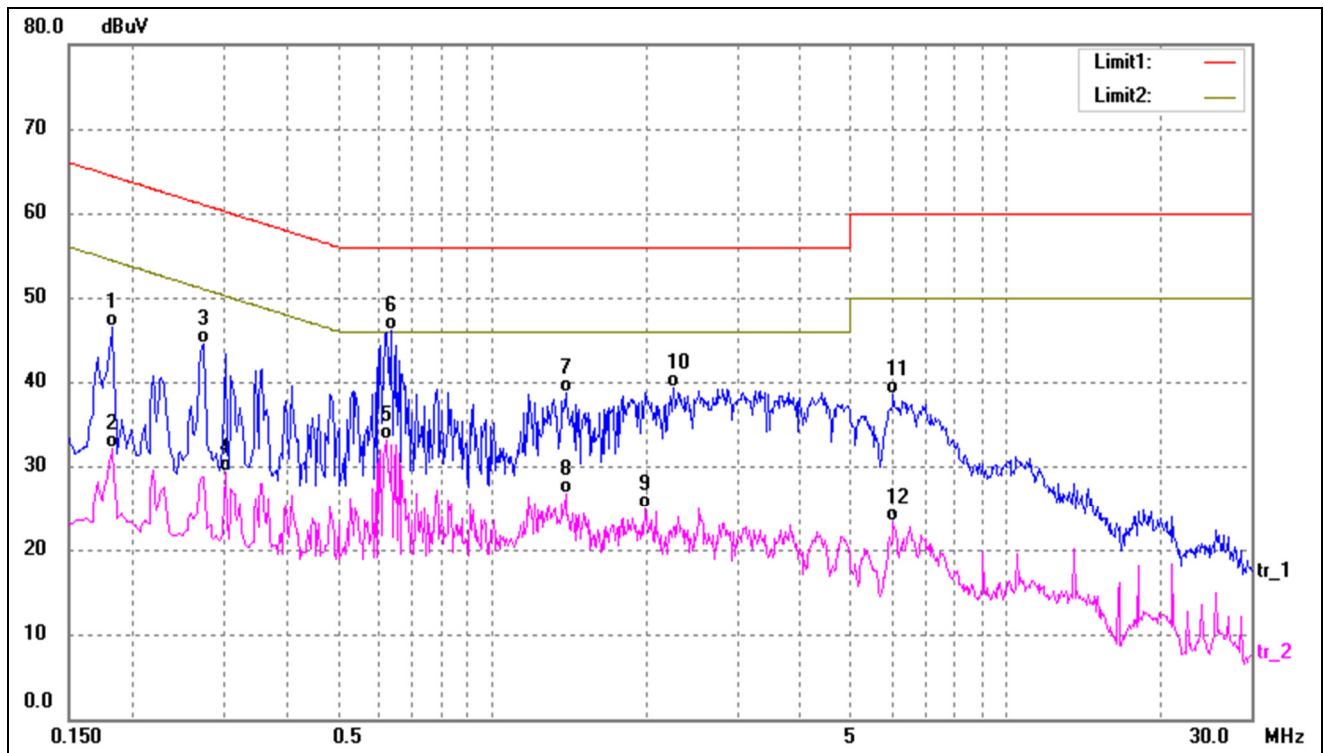
HCP-2TS25E (2#)

Test Mode	TM1(AC120V 60Hz)	Polarity:	Neutral
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1780	34.98	9.64	44.62	64.58	-19.96	QP
2	0.1780	19.75	9.64	29.39	54.58	-25.19	AVG
3	0.3460	32.30	9.58	41.88	59.06	-17.18	QP
4	0.4060	17.51	9.53	27.04	47.73	-20.69	AVG
5	0.5860	19.66	9.49	29.15	46.00	-16.85	AVG
6*	0.6020	33.93	9.49	43.42	56.00	-12.58	QP
7	1.0100	14.00	9.47	23.47	46.00	-22.53	AVG
8	1.6540	24.67	9.79	34.46	56.00	-21.54	QP
9	2.0780	10.82	9.94	20.76	46.00	-25.24	AVG
10	2.1020	24.07	9.94	34.01	56.00	-21.99	QP
11	6.0260	9.51	9.65	19.16	50.00	-30.84	AVG
12	6.2740	21.47	9.66	31.13	60.00	-28.87	QP

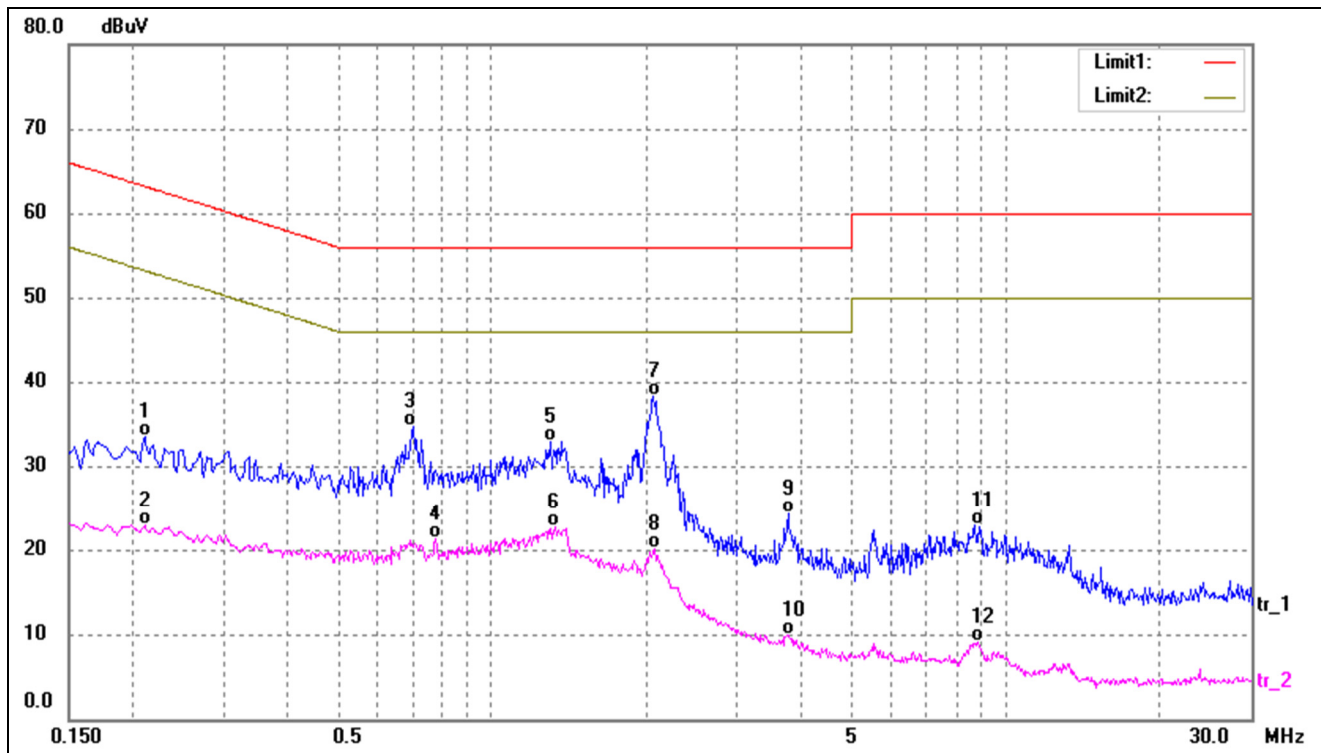
Test Mode	TM1(AC120V 60Hz)	Polarity:	Line
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1819	36.92	9.66	46.58	64.39	-17.81	QP
2	0.1819	22.44	9.66	32.10	54.39	-22.29	AVG
3	0.2740	34.81	9.66	44.47	60.99	-16.52	QP
4	0.3020	19.72	9.63	29.35	50.19	-20.84	AVG
5	0.6220	23.57	9.50	33.07	46.00	-12.93	AVG
6*	0.6340	36.65	9.51	46.16	56.00	-9.84	QP
7	1.3940	29.11	9.66	38.77	56.00	-17.23	QP
8	1.3940	17.08	9.66	26.74	46.00	-19.26	AVG
9	1.9860	14.98	9.95	24.93	46.00	-21.07	AVG
10	2.2580	29.37	9.91	39.28	56.00	-16.72	QP
11	6.0300	28.83	9.65	38.48	60.00	-21.52	QP
12	6.0300	13.57	9.65	23.22	50.00	-26.78	AVG

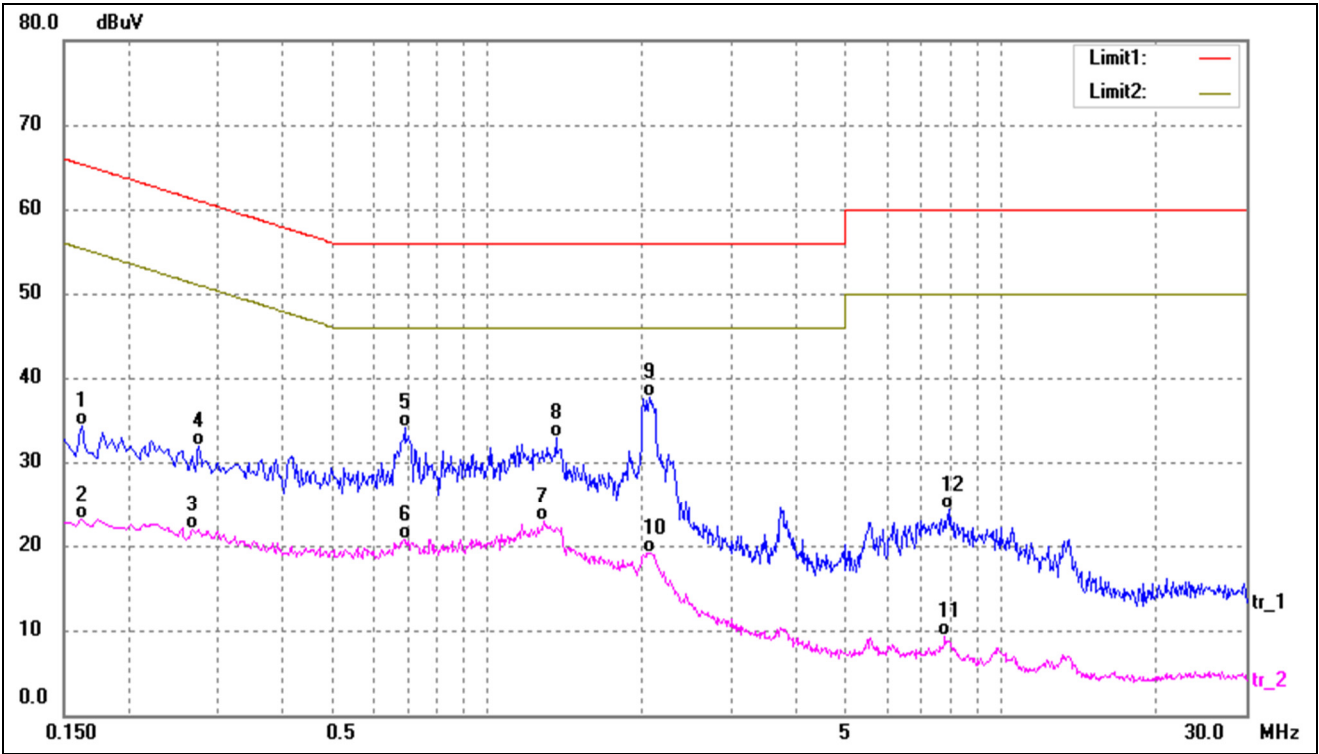
HCP-2TS25E (3#)

Test Mode	TM1(AC120V 60Hz)	Polarity:	Neutral
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.2100	23.83	9.63	33.46	63.20	-29.74	QP
2	0.2100	13.25	9.63	22.88	53.20	-30.32	AVG
3	0.7019	24.98	9.74	34.72	56.00	-21.28	QP
4	0.7780	11.50	9.75	21.25	46.00	-24.75	AVG
5	1.2980	23.27	9.64	32.91	56.00	-23.09	QP
6	1.3300	13.02	9.63	22.65	46.00	-23.35	AVG
7*	2.0620	28.91	9.36	38.27	56.00	-17.73	QP
8	2.0660	10.72	9.36	20.08	46.00	-25.92	AVG
9	3.7620	14.89	9.45	24.34	56.00	-31.66	QP
10	3.7980	0.51	9.45	9.96	46.00	-36.04	AVG
11	8.6860	13.12	9.80	22.92	60.00	-37.08	QP
12	8.8100	-0.63	9.80	9.17	50.00	-40.83	AVG

Test Mode	TM1(AC120V 60Hz)	Polarity:	Line
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1620	24.75	9.48	34.23	65.36	-31.13	QP
2	0.1620	13.64	9.48	23.12	55.36	-32.24	AVG
3	0.2660	12.25	9.63	21.88	51.24	-29.36	AVG
4	0.2740	22.36	9.63	31.99	60.99	-29.00	QP
5	0.6900	24.37	9.73	34.10	56.00	-21.90	QP
6	0.6900	10.91	9.73	20.64	46.00	-25.36	AVG
7	1.2940	13.22	9.64	22.86	46.00	-23.14	AVG
8	1.3619	23.23	9.62	32.85	56.00	-23.15	QP
9*	2.0740	28.31	9.36	37.67	56.00	-18.33	QP
10	2.0820	9.83	9.36	19.19	46.00	-26.81	AVG
11	7.8060	-0.58	9.80	9.22	50.00	-40.78	AVG
12	7.9380	14.42	9.80	24.22	60.00	-35.78	QP

APPENDIX PHOTOGRAPHS

Please refer to “ANNEX”

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