

TEST REPORT

Reference No...... : WTX25X03045434W001
FCC ID..... : A4X-WL-UTC-HUB01
Applicant..... : CE LINK LIMITED
Address..... : 22 Dongkang Road, Dalingshan Town, Dongguan City, Guangdong
Province, China.
Manufacturer..... : Dongguan CE LINK LIMITED
Address..... : 22 Dongkang Road, Dalingshan Town, Dongguan City, Guangdong
Province, China.
Product Name..... : Type-C 5-in-1 Hub with Qi 2 Wireless Charging
Model No...... : WL-UTC-HUB01
Standards..... : 47 CFR FCC Part 15, Subpart C
Date of Receipt sample..... : 2025-03-03
Date of Test..... : 2025-03-03 to 2025-03-26
Date of Issue..... : 2025-03-26
Test Report Form No...... : WTX_Part 15CW
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 compiler and approver.

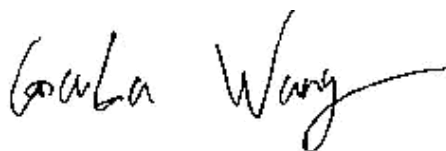
Prepared By:

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Tested by:



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Approved by:



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Report version

Version No.	Date of issue	Description
Rev.00	2025-03-26	Original
/	/	/

1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

Client Information

Factory#1: ANFU CE LINK LIMITED
 Address of factory Anfu County Industrial Zone, Ji'an city, Jiangxi Province, P.R. China.

Factory#2: CE LINK VIET NAM COMPANY LIMITED.
 Address of factory Part of lots CNSG-04, CNSG-06 Van Trung Industrial Zone, Van Trung Ward, Viet Yen Town, Bac Giang Province, Vietnam

General Description of EUT	
Product Name:	Type-C 5-in-1 Hub with Qi 2 Wireless Charging
Trade Name:	CE-LINK
Model No.:	WL-UTC-HUB01
Adding Model:	/
Battery Capacity	/
<i>Note: The test data is gathered from a production sample, provided by the manufacturer.</i>	

Technical Characteristics of EUT	
Frequency Range:	111~205kHz / 360kHz
Modulation Type:	ASK
Antenna Type:	Coil Antenna
Rated Input:	USB Type-C Male (From host): 5V USB-C PD Port (From PD Charging): 20V
Rated Output:	Each USB-A 5G Port: 5V USB-C 5G Port: 5V USB Type-C Male (to host): 20V
Rated Current:	USB Type-C Male (From host): 3A max USB-C PD Port (From PD Charging): 5A max Each USB-A 5G Port : 0.9A max USB-C 5G Port: 1.5A max USB Type-C Male (to host): 4.5A max
Rated Power:	Qi 2 Wireless Charging: 5W, 7.5W, 10W, 15W
<i>Note The Antenna Gain is provided by the customer and can affect the validity of results.</i>	

1.2 Test Standards

FCC Part 15 Subpart C: Intentional Radiators.

FCC Rules Part 15.207: Conducted limits.

FCC Rules Part 15.209: Radiated emission limits; general requirements.

FCC Rules Part 15.215: Additional provisions to the general radiated emission limitations.

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, 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, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.

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 Operation Mode

The equipment under test (EUT) was configured to measure its highest possible emission level. The test modes were adapted according to the operation manual for use, more detailed description as follows:

Test Mode List:

Test Mode	Description	Remark	Power Supply Mode
TM1	Wireless Charging	USB-C PD port is connected to PD adapter; USB Type-C male is connected to the Notebook; USB-A 5G Port is connected to the USB flash disk; HDMI Port is connected to the Display; USB-C 5G port is connected to the Portable hard disk; Qi 2 Wireless Charging for mobile phone	DC 20V from PD power supply via the USB-C PD Port on the E.U.T. Wireless charging: output 5W
TM2	Wireless Charging	USB-C PD port is connected to PD adapter; USB Type-C male is connected to the Notebook; USB-A 5G Port is connected to the USB flash disk; HDMI Port is connected to the Display; USB-C 5G port is connected to the Portable hard disk; Qi 2 Wireless Charging for mobile phone	DC 20V from PD power supply via the USB-C PD Port on the E.U.T. Wireless charging: output 15W
<i>Note: Pre-scan 5W, 7.5W, 10W 15W mode, and found the 5W and 15W mode which it is worse case, so only show the test data for worse case.</i>			

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

Special Cable List and Details			
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite
Type-C Cable	1.0	Unshielded	Without Ferrite
HDMI Cable	0.6	Unshielded	Without Ferrite

Auxiliary Equipment List and Details			
Description	Manufacturer	Model	Serial Number
Adapter	Apple	A2452	/
Mobile hard drive	Samsung	MU-PC1T0H	/
USB flash disk	Samsung	/	/
Displayer	Samsung	S32BG854NC	/
iPhone	Apple	MGC33CH/A	/
WiFi Router	TP-LINK	TL-WR842N	/

1.6 Measurement Uncertainty

Measurement uncertainty		
Parameter	Conditions	Uncertainty
Conducted Emissions	Conducted	2.88dB
Transmitter Spurious Emissions	Radiated	5.1dB

1.7 Test Equipment List and Details

Fixed asset Number	Description	Manufacturer	Model	Serial No.	Cal Date	Due. Date
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 1004	EMI Test Receiver	Rohde & Schwarz	ESPI	101259	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 1004	EMI Test Receiver	Rohde & Schwarz	ESPI	101259	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 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 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	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 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

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

2. SUMMARY OF TEST RESULTS

Description of Test	Result
§15.207(a) Conducted Emission	Compliant
§15.209(a) Radiated Emission	Compliant
§15.215 20dB Emission Bandwidth	Compliant

N/A: not applicable

3. RF Exposure

3.1 Standard Applicable

According to §1.1307 and §2.1093, the portable transmitter must comply the RF exposure requirements.

3.2 Test Result

This product complied with the requirement of the RF exposure, please see the RF Exposure Report.

4. Antenna Requirement

4.1 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.

4.2 Evaluation Information

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

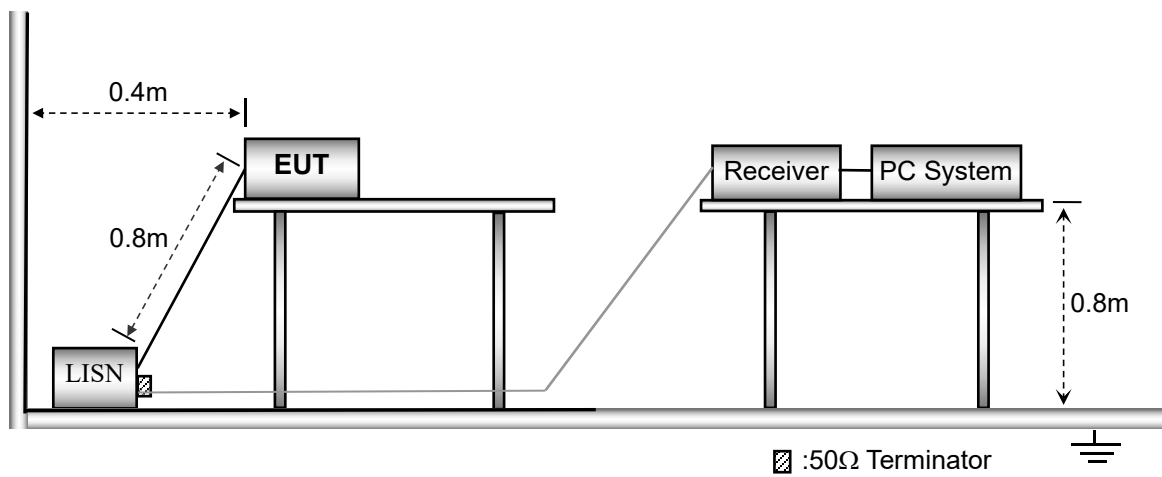
5. Conducted Emissions

5.1 Test Procedure

The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.207 Limit.

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

5.2 Basic Test Setup Block Diagram



5.3 Environmental Conditions

Temperature:	25 °C
Relative Humidity:	52%
ATM Pressure:	1012 mbar

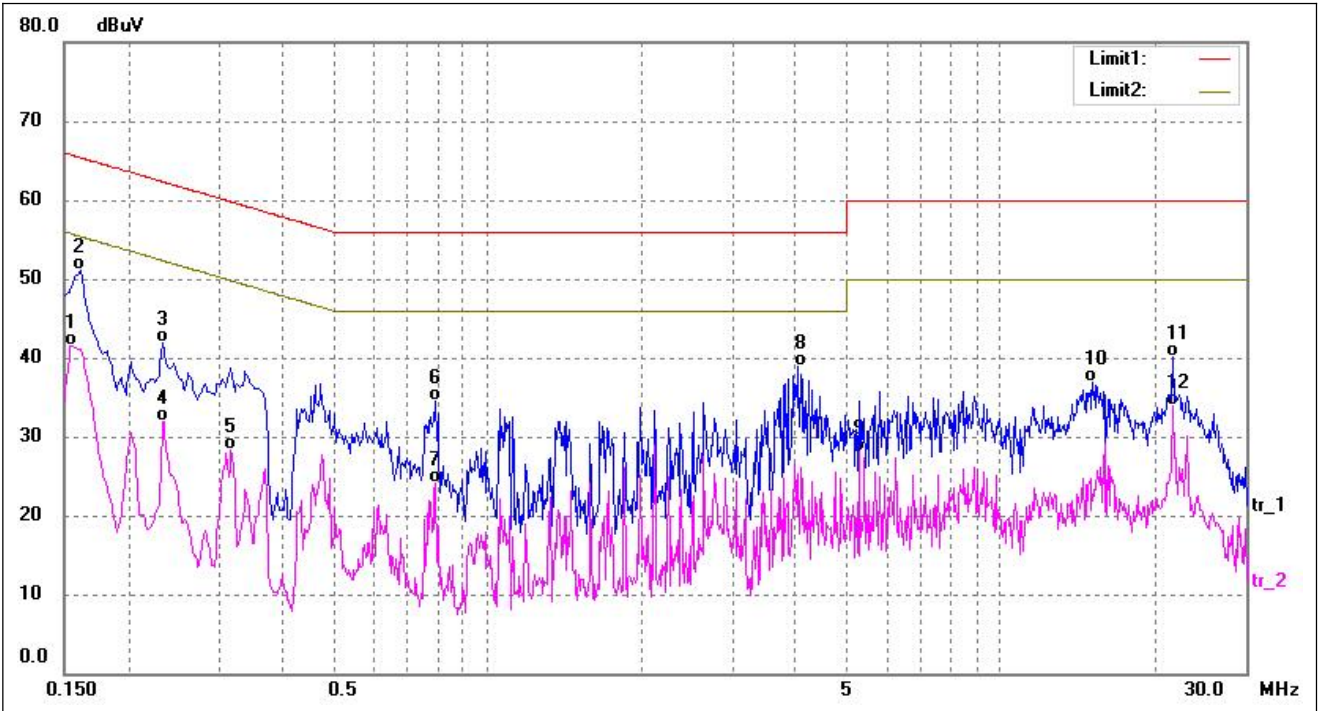
5.4 Test Receiver Setup

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

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

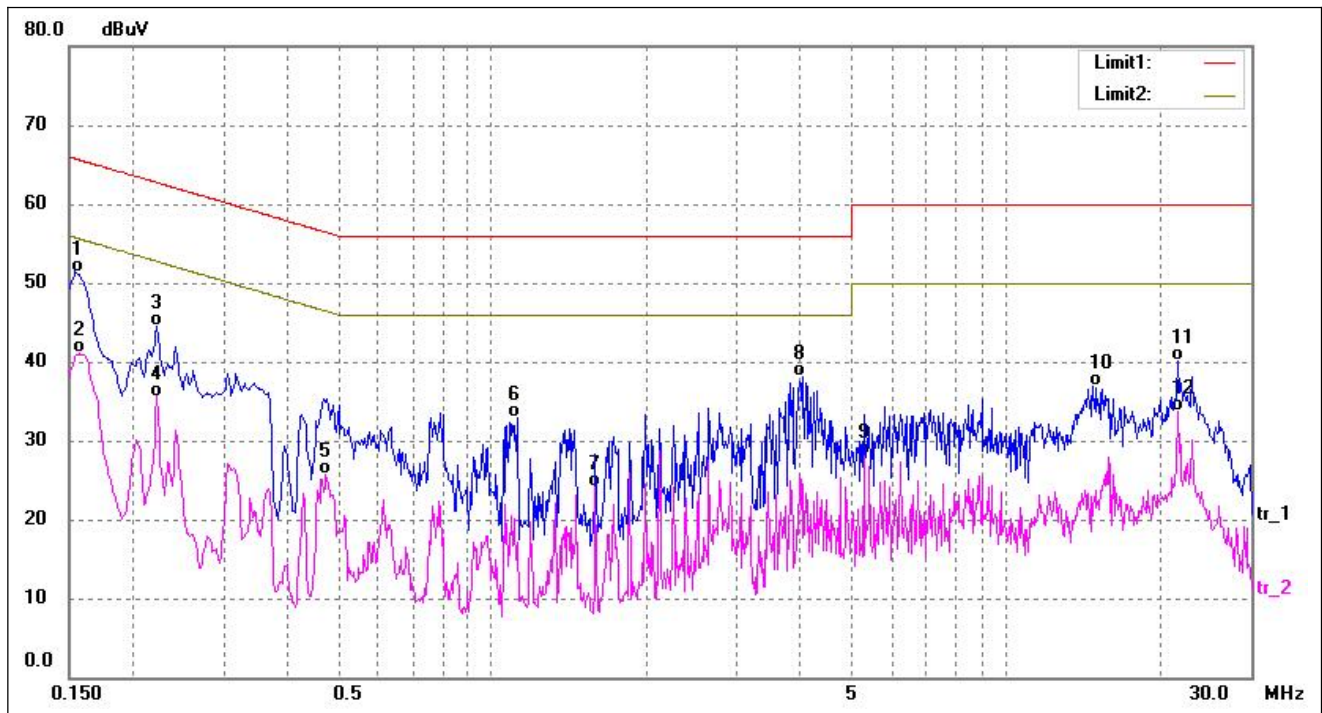
5.5 Summary of Test Results/Plots

Test mode:	TM1	Polarity:	Line
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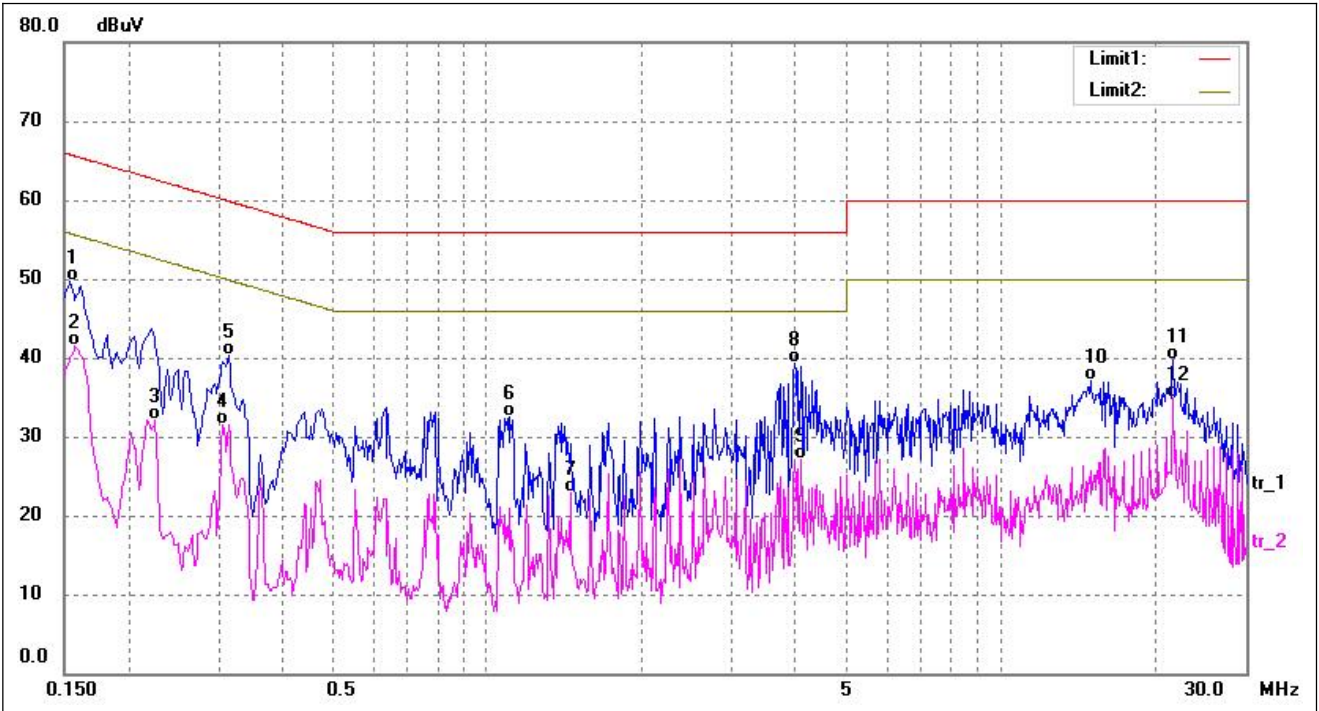
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1*	0.1539	31.60	9.97	41.57	55.78	-14.21	AVG
2	0.1620	41.06	9.97	51.03	65.36	-14.33	QP
3	0.2340	31.97	9.94	41.91	62.30	-20.39	QP
4	0.2340	22.03	9.94	31.97	52.30	-20.33	AVG
5	0.3180	18.35	9.95	28.30	49.76	-21.46	AVG
6	0.7940	24.63	9.96	34.59	56.00	-21.41	QP
7	0.7940	14.12	9.96	24.08	46.00	-21.92	AVG
8	4.0420	28.83	10.07	38.90	56.00	-17.10	QP
9	5.2940	17.97	10.11	28.08	50.00	-21.92	AVG
10	15.0660	26.06	10.78	36.84	60.00	-23.16	QP
11	21.6620	29.06	11.06	40.12	60.00	-19.88	QP
12	21.6620	22.86	11.06	33.92	50.00	-16.08	AVG

Test mode:	TM1	Polarity:	Neutral
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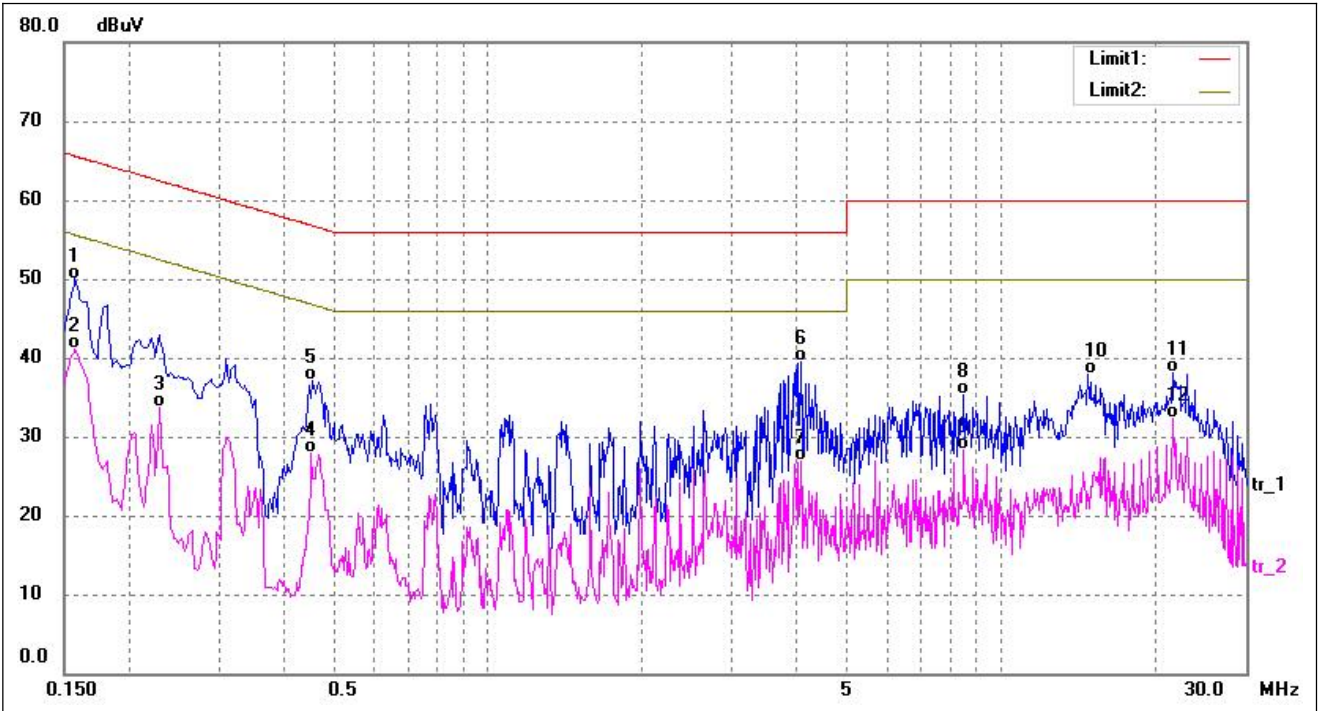
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1*	0.1539	41.43	9.97	51.40	65.78	-14.38	QP
2	0.1580	31.04	9.97	41.01	55.56	-14.55	AVG
3	0.2220	34.48	9.94	44.42	62.74	-18.32	QP
4	0.2220	25.66	9.94	35.60	52.74	-17.14	AVG
5	0.4740	15.70	9.95	25.65	46.44	-20.79	AVG
6	1.1220	22.87	9.97	32.84	56.00	-23.16	QP
7	1.5859	14.18	9.99	24.17	46.00	-21.83	AVG
8	4.0460	28.04	10.07	38.11	56.00	-17.89	QP
9	5.2940	18.00	10.11	28.11	50.00	-21.89	AVG
10	14.7860	26.18	10.76	36.94	60.00	-23.06	QP
11	21.6620	29.04	11.06	40.10	60.00	-19.90	QP
12	21.6620	22.60	11.06	33.66	50.00	-16.34	AVG

Test mode:	TM2	Polarity:	Line
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1539	39.80	9.97	49.77	65.78	-16.01	QP
2*	0.1580	31.44	9.97	41.41	55.56	-14.15	AVG
3	0.2260	22.10	9.94	32.04	52.59	-20.55	AVG
4	0.3060	21.65	9.95	31.60	50.08	-18.48	AVG
5	0.3140	30.35	9.95	40.30	59.86	-19.56	QP
6	1.1100	22.51	9.97	32.48	56.00	-23.52	QP
7	1.4540	12.95	9.99	22.94	46.00	-23.06	AVG
8	3.9660	29.18	10.07	39.25	56.00	-16.75	QP
9	4.0820	17.13	10.07	27.20	46.00	-18.80	AVG
10	14.9220	26.26	10.77	37.03	60.00	-22.97	QP
11	21.6620	28.59	11.06	39.65	60.00	-20.35	QP
12	21.6620	23.86	11.06	34.92	50.00	-15.08	AVG

Test mode:	TM2	Polarity:	Neutral
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1580	40.03	9.97	50.00	65.56	-15.56	QP
2*	0.1580	31.13	9.97	41.10	55.56	-14.46	AVG
3	0.2300	23.81	9.94	33.75	52.45	-18.70	AVG
4	0.4540	17.92	9.95	27.87	46.80	-18.93	AVG
5	0.4580	27.07	9.95	37.02	56.73	-19.71	QP
6	4.0820	29.42	10.07	39.49	56.00	-16.51	QP
7	4.0820	16.74	10.07	26.81	46.00	-19.19	AVG
8	8.4700	25.08	10.28	35.36	60.00	-24.64	QP
9	8.4700	18.05	10.28	28.33	50.00	-21.67	AVG
10	14.8020	27.15	10.76	37.91	60.00	-22.09	QP
11	21.6660	27.09	11.06	38.15	60.00	-21.85	QP
12	21.6660	21.15	11.06	32.21	50.00	-17.79	AVG

6. Field Strength of Spurious Emissions

6.1 Standard Applicable

According to §15.209(a), Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:.

Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100**	3
88-216	150**	3
216-960	200**	3
Above 960	500	3

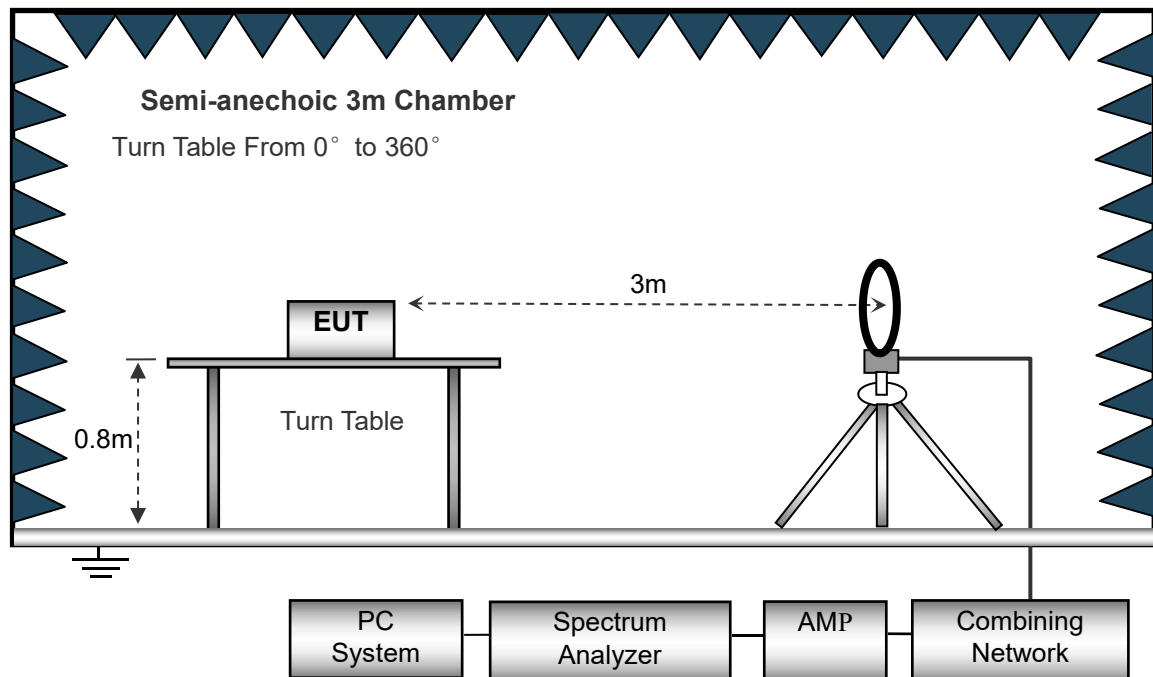
The emission limit in this paragraph is based on measurement instrumentation employing an average detector. The provisions in §15.35 for limiting peak emissions apply. Spurious Radiated Emissions measurements starting below or at the lowest crystal frequency.

6.2 Test Procedure

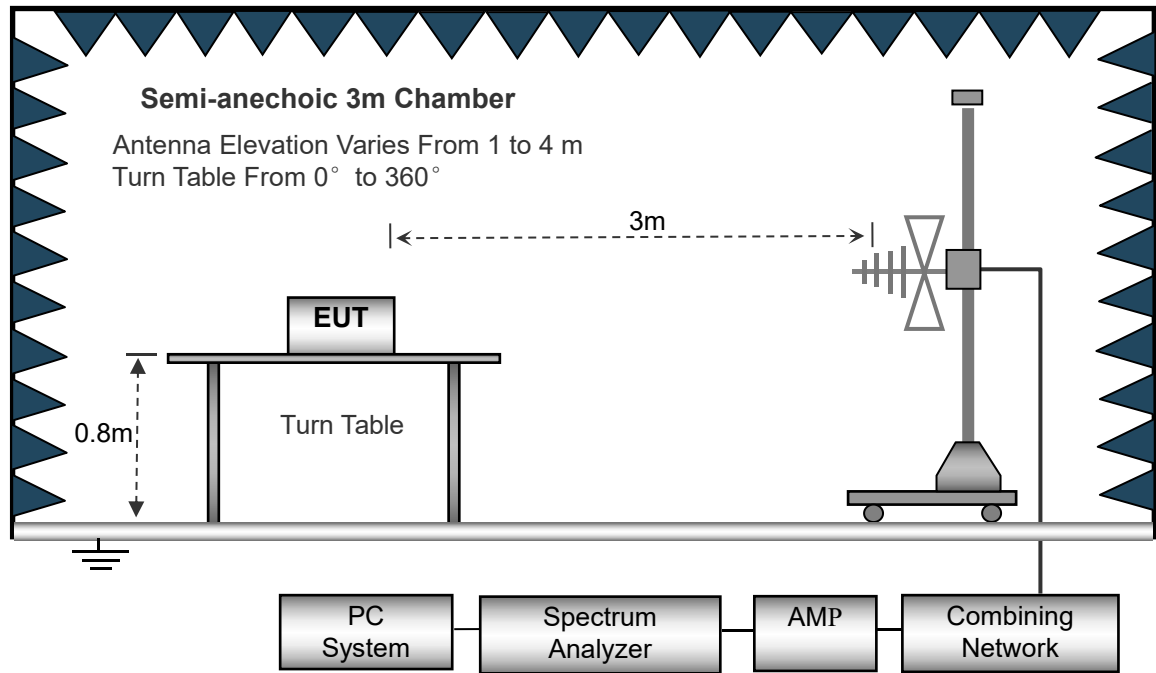
The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.209 Limit.

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

The test setup for emission measurement below 30MHz.



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



Frequency :9kHz-30MHz

RBW=10kHz

VBW =30kHz

Sweep time= Auto

Trace = max hold

Detector function = peak

Frequency :30MHz-1GHz

RBW=120kHz,

VBW=300kHz

Sweep time= Auto

Trace = max hold

Detector function = peak, QP

6.3 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:

$$\text{Corr. Ampl.} = \text{Indicated Reading} + \text{Ant. Factor} + \text{Cable Loss} - \text{Ampl. Gain}$$

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

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

6.4 Environmental Conditions

Temperature:	22.5 °C
Relative Humidity:	54%
ATM Pressure:	1012 mbar

6. Reference Measurement at open field site

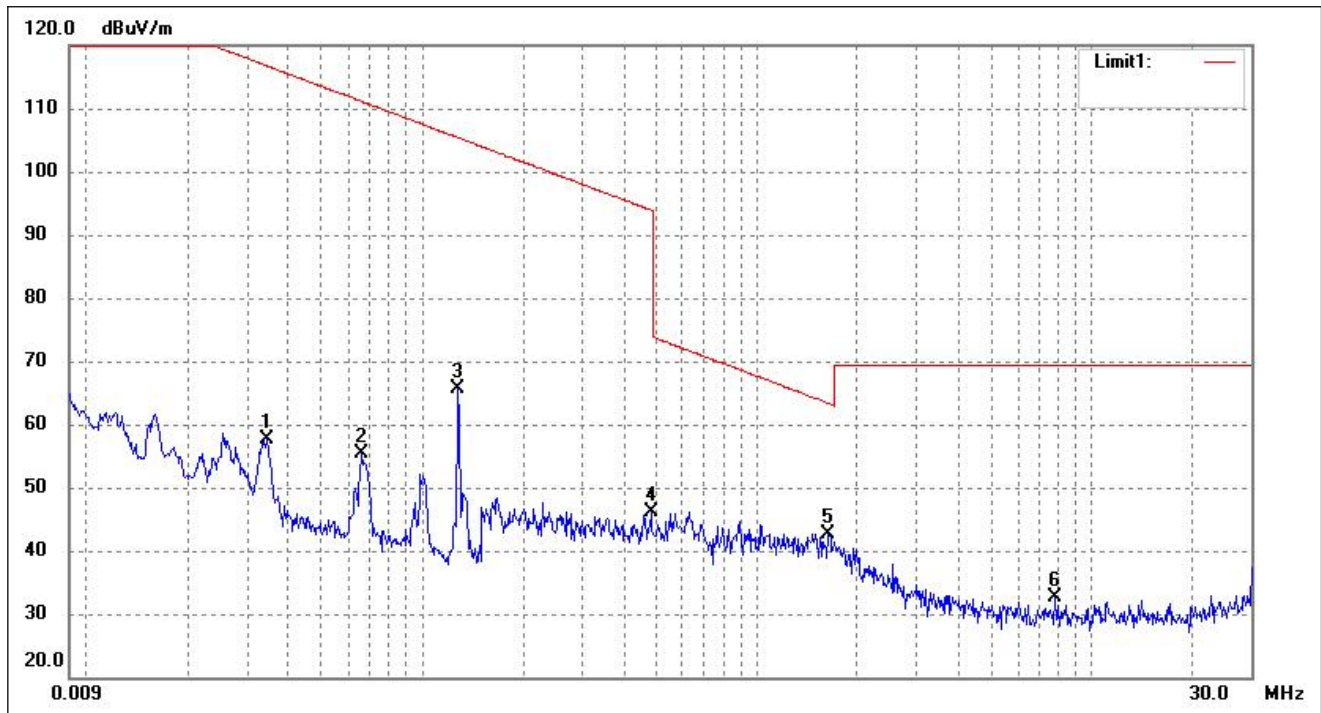
The measurement was performed with set-up consisting of a single turn loop antenna with a diameter of 0.15 m, fed by a signal generator. The loop dimension was chosen to simulate the EUT as far as possible. The signal generator was set to a fixed output level with an unmodulated 10 kHz and 14 kHz sinusoidal signal. The radiated H fieldstrength at 10 kHz and 14 kHz generated by this set-up was measured with the same test setup as used in the SAC in 3 m distance first, and then repeated at the open field site in 3 m and 10 m distance

6.5 Summary of Test Results/Plots

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

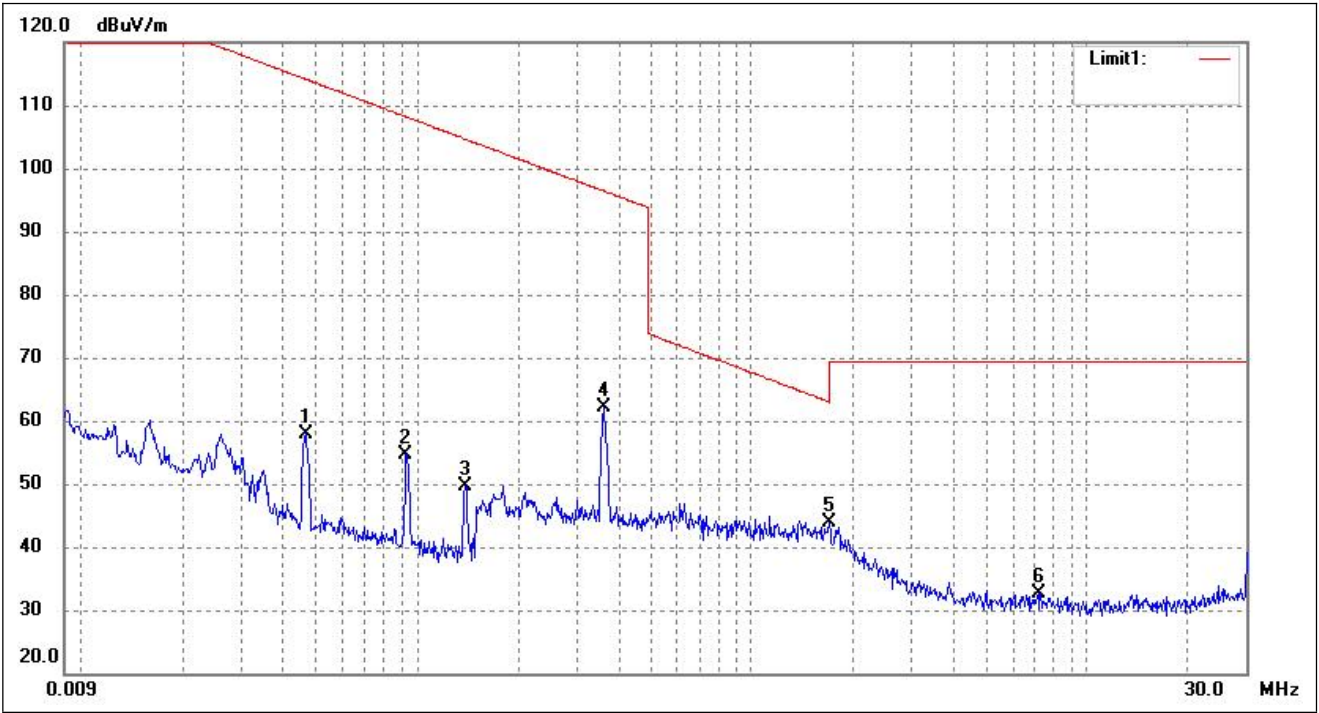
Radiated Emissions Test Data (Below 30MHz)(Worst case EUT X axis)

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	0.0345	64.41	-6.89	57.52	116.77	-59.25	-	-	peak
2	0.0662	62.79	-7.52	55.27	111.13	-55.86	-	-	peak
3	0.1285	73.61	-7.96	65.65	105.39	-39.74	-	-	peak
4	0.4812	54.52	-8.29	46.23	93.96	-47.73	-	-	peak
5	1.6363	50.63	-7.89	42.74	63.36	-20.62	-	-	peak
6	7.7689	40.31	-7.80	32.51	69.50	-36.99	-	-	peak

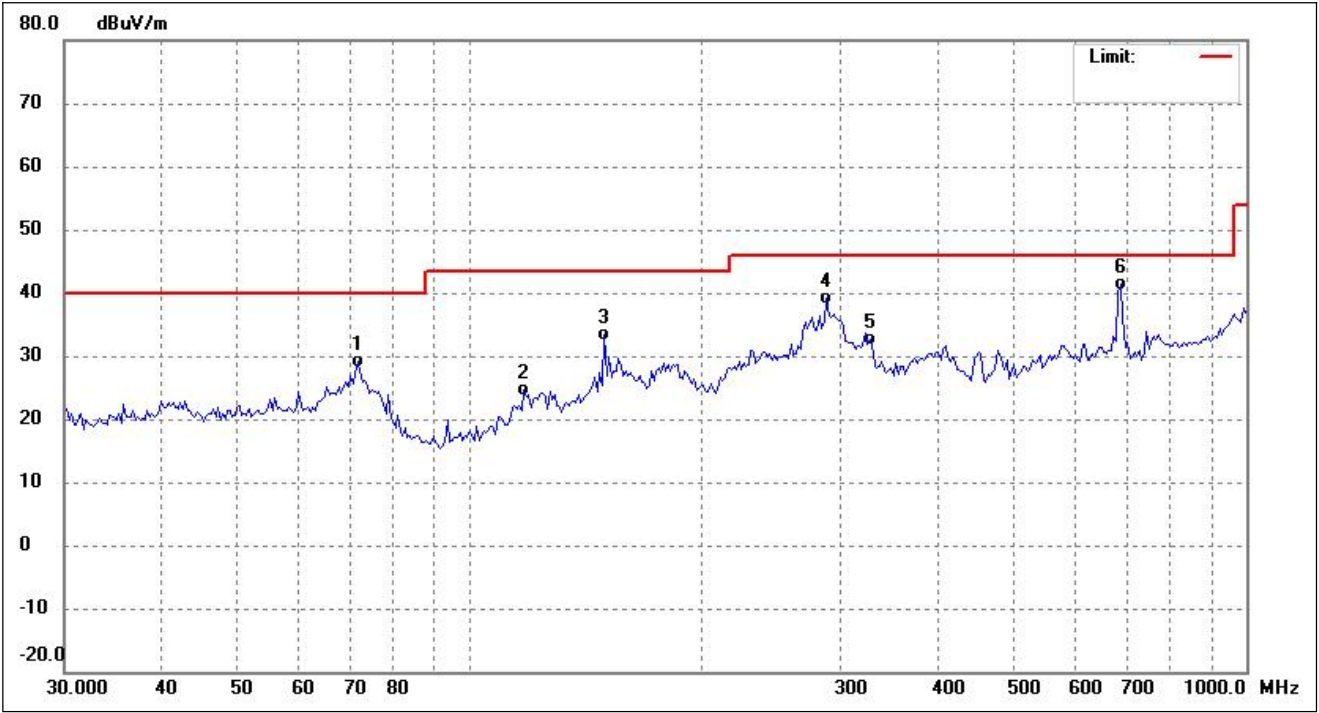
Test mode:	TM2	Polarity:	Vertical
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No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	0.0466	65.04	-7.18	57.86	114.17	-56.31	-	-	peak
2	0.0929	62.50	-7.84	54.66	108.19	-53.53	-	-	peak
3	0.1394	57.71	-7.98	49.73	104.68	-54.95	-	-	peak
4	0.3614	70.47	-8.36	62.11	96.43	-34.32	-	-	peak
5	1.6981	51.81	-7.88	43.93	63.04	-19.11	-	-	peak
6	7.1754	32.71	0.00	32.71	69.50	-36.79	-	-	peak

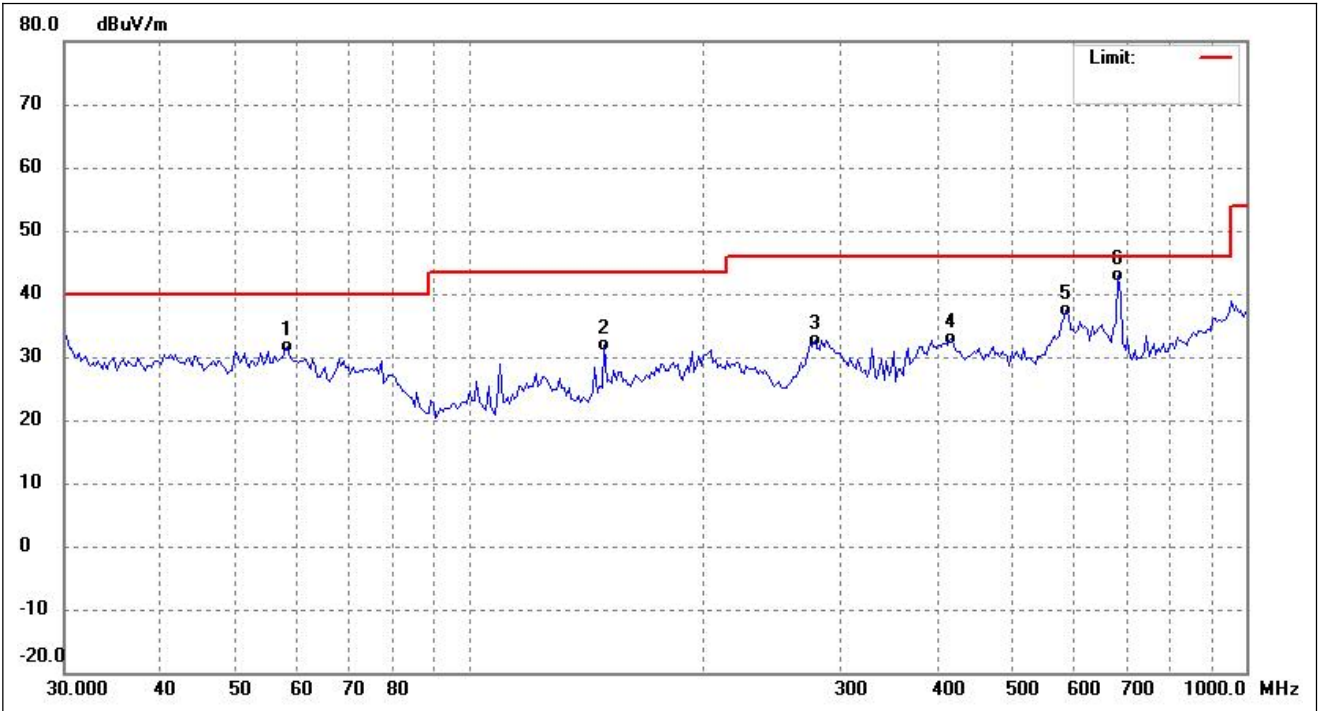
Plot of Radiated Emissions Test Data (Above 30MHz)

Test mode:	TM1	Polarity:	Horizontal
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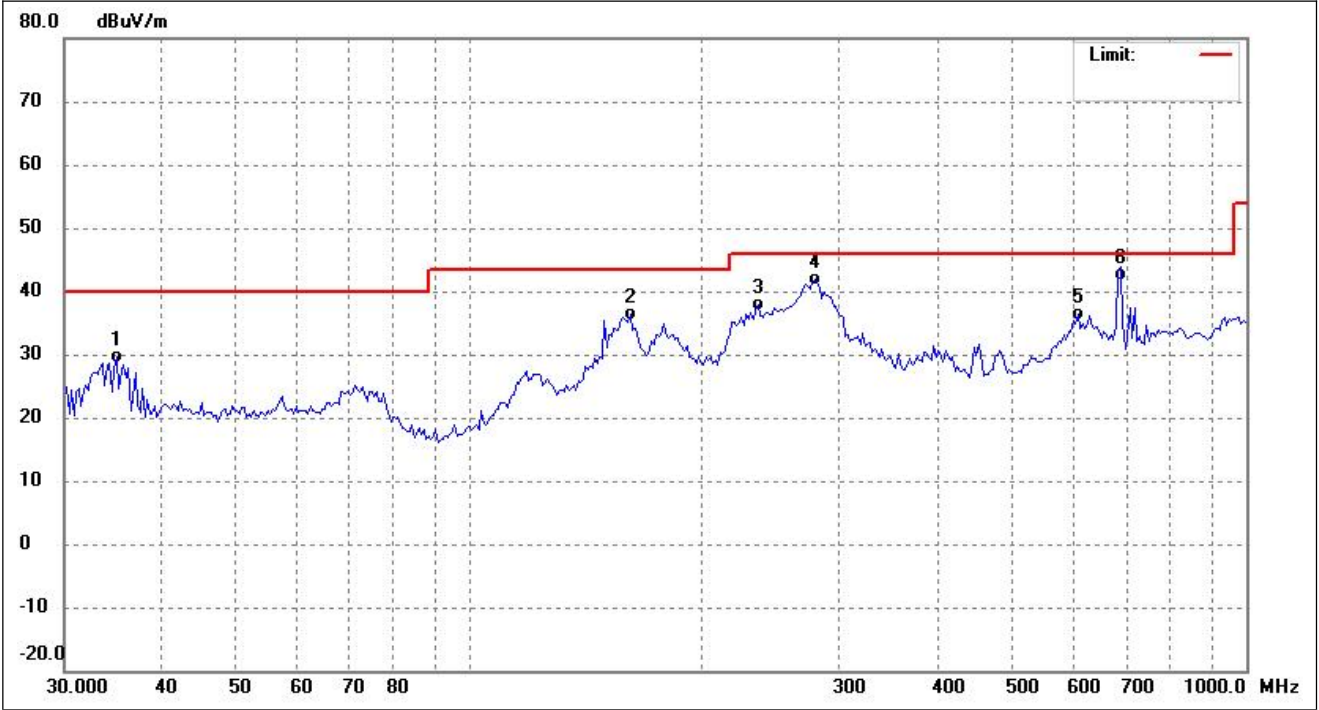
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	71.7054	39.76	-10.62	29.14	40.00	-10.86			QP
2	117.2688	34.90	-10.30	24.60	43.50	-18.90			QP
3	148.9175	41.55	-8.14	33.41	43.50	-10.09			QP
4	288.2840	47.26	-8.23	39.03	46.00	-6.97			QP
5	327.1554	39.99	-7.30	32.69	46.00	-13.31			QP
6	689.0510	42.65	-1.22	41.43	46.00	-4.57			QP

Test mode:	TM1	Polarity:	Vertical
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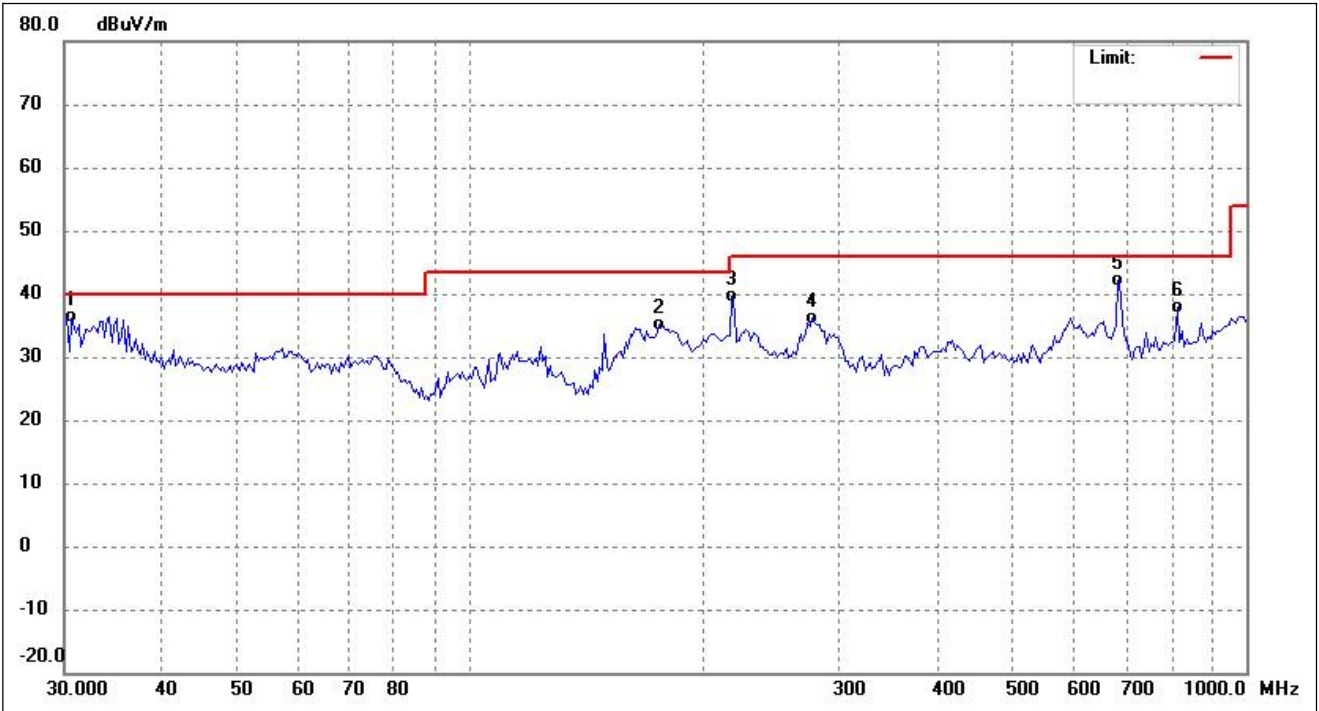
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	58.0759	39.84	-8.32	31.52	40.00	-8.48			QP
2	148.9175	39.92	-8.14	31.78	43.50	-11.72			QP
3	278.3308	41.21	-8.55	32.66	46.00	-13.34			QP
4	415.4486	38.87	-5.93	32.94	46.00	-13.06			QP
5	586.2172	39.89	-2.58	37.31	46.00	-8.69			QP
6	684.2259	44.20	-1.27	42.93	46.00	-3.07			QP

Test mode:	TM2	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	35.0157	38.58	-9.01	29.57	40.00	-10.43	--	--	QP
2	160.8852	44.41	-8.08	36.33	43.50	-7.17	--	--	QP
3	235.1346	48.46	-10.55	37.91	46.00	-8.09	--	--	QP
4	278.3308	50.33	-8.55	41.78	46.00	-4.22	--	--	QP
5	607.1806	38.42	-2.11	36.31	46.00	-9.69	--	--	QP
6	689.0510	43.78	-1.22	42.56	46.00	-3.44	--	--	QP

Test mode:	TM2	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	30.2115	46.04	-9.62	36.42	40.00	-3.58	--	--	QP
2	175.0404	44.16	-9.03	35.13	43.50	-8.37	--	--	QP
3	217.6437	51.15	-11.52	39.63	46.00	-6.37	--	--	QP
4	276.3817	44.72	-8.62	36.10	46.00	-9.90	--	--	QP
5	684.2258	43.49	-1.27	42.22	46.00	-3.78	--	--	QP
6	815.6352	36.61	1.17	37.78	46.00	-8.22	--	--	QP

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

7. 20dB Emission bandwidth.

7.1 Standard Applicable

According to 15.215, 20dB emission bandwidth.

7.2 Test Procedure

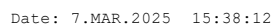
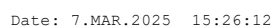
- The transmitter shall be operated at its maximum carrier power measured under normal test conditions.
- The span of the analyzer shall be set to capture all products of the modulation process, including the emission skirts.
- The resolution bandwidth (RBW) shall be in the range of 1% to 5% of the occupied bandwidth (OBW) and video bandwidth (VBW) shall be approximately 3x RBW.

7.3 Environmental Conditions

Temperature:	25 °C
Relative Humidity:	53%
ATM Pressure:	1018 mbar

7.4 Summary of Test Results/Plots

Test Mode	Test Channel(kHz)	20dB Emission Bandwidth(Hz)
TM1	127.85	810
TM2	359.99	890



Note: The RBW of the analyzer measuring Bandwidth cannot be adjusted to 1%-5% occupied bandwidth, the RBW of the test setting is the closest value.

APPENDIX PHOTOGRAPHS

Please refer to “ANNEX”

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