

TEST REPORT

Reference No..... : WTX24X10252277W001
FCC ID..... : A4X-MPP18-1TCNC-F
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..... : QI2 Wireless 2 in 1
Model No..... : MPP18-1TCNC-F
Standards..... : **47 CFR FCC Part 18**
Date of Receipt sample..... : 2024-10-30
Date of Test..... : 2024-10-30 to 2024-12-16
Date of Issue..... : 2024-12-16
Test Report Form No..... : WTX_FCC Part 18_001
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:

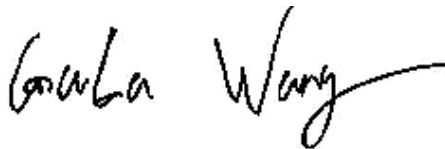
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Tested by:



Gala Wang

Approved by:



Jason Su

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Report version

Version No.	Date of issue	Description
Rev.00	2024-12-16	Original
/	/	/

1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

Client Information

Factory#1: SuiChuan CE LINK LIMITED
 Address of factory: SuiChuan county industrial park east zone, Ji'an city, Jiangxi province, 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:	QI2 Wireless 2 in 1
Trade Name:	CE-LINK
Model No.:	MPP18-1TCNC-F
Adding Model(s):	AL21WCFL-WH, AL21WCFL-BK
<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 MPP18-1TCNC-F, but the circuit and the electronic construction do not change, declared by the manufacturer.</i>	

Technical Characteristics of EUT	
Frequency Range:	Wireless output 1: 5W/15W 127.85kHz/359.99kHz Wireless output 2: 5W 326.5kHz/1.778MHz
Modulation Type:	ASK
Antenna Type:	Coil Antenna
Rated Voltage:	Input: 9V
Rated Current:	Input: 3A
Rate Power:	Wireless output 1: 5W/15W Wireless output 2: 5W
<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:

47 CFR FCC Part 18: Industrial, Scientific, and medical medical equipment.

MP5-1986: FCC METHODS OF MESUREMENTS OF RADIO NOISE EMISSIONS FROM INDUSTRIAL, SCIENTIFIC, AND MEDICAL EQUIPMENT.

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 C63.4-2014 and FCC MP-5:1986, 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

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

Address: 1/F., Room 101, Building 1, Hongwei Industrial Park, Liuxian 2nd Road, Bao'an District, Shenzhen, P.R.C. (518101)

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.

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	Wireless charging: output 5W(Phone)	Input: DC 9V3A
TM2	Wireless Charging	Wireless charging: output 15W(Phone)	Input: DC 9V3A
TM3	Wireless Charging	Wireless charging: output 5W(Apple Watch)	Input: DC 9V3A
TM4	Wireless Charging	Wireless charging: output 15W(Phone)+5W(Apple Watch)	Input: DC 9V3A

EUT Cable List and Details

Cable Description	Length (M)	Shielded/Unshielded	With Core/Without Core
/	/	/	/

Auxiliary Equipment List and Details

Description	Manufacturer	Model	Serial Number
30Watt PD Power Adapter	/	PD30E-1TND	/

Special Cable List and Details

Cable Description	Length (M)	Shielded/Unshielded	With Core/Without Core
Type-C Cable	0.65	Unshielded	Without Ferrite

1.6 Measurement Uncertainty

Measurement uncertainty		
Parameter	Conditions	Uncertainty
Conducted Emissions	Conducted	9-150kHz ± 3.74 dB
		0.15-30MHz ± 3.34 dB
Radiated Emissions	Radiated	30-200MHz ± 4.52 dB
		0.2-1GHz ± 5.56 dB
		1-6GHz ± 3.84 dB
		6-18GHz ± 3.92 dB

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	2024-02-27	2025-02-26
WTXE1103A 1003	Attenuator	Pasternack	PE4007-4	/	2024-02-24	2025-02-23
WTXE1003A 1-005	Coaxial Cable	/	0M4RFC	/	2024-07-03	2025-01-03
☒ Chamber A: Below 1GHz						
WTXE1005A 1003	Spectrum Analyzer	Rohde & Schwarz	FSP30	836079/03 5	2024-02-24	2025-02-23
WTXE1001A 1004	EMI Test Receiver	Rohde & Schwarz	ESPI	101259	2024-02-24	2025-02-23
WTXE1007A 1001	Amplifier	HP	8447F	2805A034 75	2024-02-24	2025-02-23
WTXE1010A 1007	Loop Antenna	Schwarz beck	FMZB 1516	9773	2024-02-26	2025-02-25
WTXE1010A 1006	Broadband Antenna	Schwarz beck	VULB9163	9163-333	2024-02-24	2025-02-23
WTXE1104A 1032-1	Coaxial Cable	/	RC_6G-N-M	/	2024-03-15	2025-03-14
WTXE1104A 1032-2	Coaxial Cable	/	RC_6G-N-M	/	2024-03-15	2025-03-14
WTXE1104A 1032-3	Coaxial Cable	/	RC_6G-N-M	/	2024-03-15	2025-03-14
☒ Chamber A: Above 1GHz						
WTXE1005A 1003	Spectrum Analyzer	Rohde & Schwarz	FSP30	836079/03 5	2024-02-24	2025-02-23
WTXE1001A 1004	EMI Test Receiver	Rohde & Schwarz	ESPI	101259	2024-02-24	2025-02-23
WTXE1065A 1001	Amplifier	C&D	PAP-1G18	2002	2024-02-27	2025-02-26
WTXE1010A 1005	Horn Antenna	ETS	3117	00086197	2024-02-26	2025-02-25
WTXE1010A 1010	DRG Horn Antenna	A.H. SYSTEMS	SAS-574	571	2024-03-17	2025-03-16
WTXE1003A 1001	Pre-amplifier	Schwarzbeck	BBV 9721	9721-031	2024-02-29	2025-02-28
WTXE1104A 1033-1	Coaxial Cable	/	C16-07-07	/	2024-03-15	2025-03-14
WTXE1104A	Coaxial Cable	/	C16-07-07	/	2024-03-15	2025-03-14

1033-2						
WTXE1104A 1033-3	Coaxial Cable	/	C16-07-07	/	2024-03-15	2025-03-14
☐ 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	2024-02-24	2025-02-23
WTXE1001A 1002	EMI Test Receiver	Rohde & Schwarz	ESPI	101391	2024-02-24	2025-02-23
WTXE1104A 1031-1	Coaxial Cable	/	1.5MRFC-LWB3	/	2024-07-03	2025-07-02
WTXE1104A 1031-2	Coaxial Cable	/	RG 316	/	2024-07-03	2025-07-02
WTXE1104A 1031-3	Coaxial Cable	/	RG 316	/	2024-07-03	2025-07-02
☐ Chamber C:Below 1GHz						
WTXE1093A 1001	EMI Test Receiver	Rohde & Schwarz	ESIB 26	100401	2024-02-27	2025-02-26
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	2025-02-25
WTXE1007A 1002	Amplifier	HP	8447F	2944A038 69	2024-02-24	2025-02-23
WTXE1104A 1034-1	Coaxial Cable	/	RC_6G-N-M	/	2024-07-03	2025-07-02
WTXE1104A 1034-2	Coaxial Cable	/	RC_6G-N-M	/	2024-07-03	2025-07-02
WTXE1104A 1034-3	Coaxial Cable	/	RC_6G-N-M	/	2024-07-03	2025-07-02
☐ Chamber C: Above 1GHz						
WTXE1093A 1001	EMI Test Receiver	Rohde & Schwarz	ESIB 26	100401	2024-02-27	2025-02-26
WTXE1103A 1005	Horn Antenna	POAM	RTF-118A	1820	2023-03-10	2026-03-09
WTXE1103A 1006	Amplifier	Tonscend	TAP01018050	AP22E806 235	2024-02-27	2025-02-26
WTXE1010A 1010	DRG Horn Antenna	A.H. SYSTEMS	SAS-574	571	2024-03-17	2025-03-16
WTXE1003A	Pre-amplifier	Schwarzbeck	BBV 9721	9721-031	2024-02-29	2025-02-28

1001						
WTXE1104A 1035-1	Coaxial Cable	/	RC-18G-N-M	/	2024-07-03	2025-07-02
WTXE1104A 1035-2	Coaxial Cable	/	RC-18G-N-M	/	2024-07-03	2025-07-02
WTXE1104A 1035-3	Coaxial Cable	/	RC-18G-N-M	/	2024-07-03	2025-07-02
☒ 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	2024-02-24	2025-02-23
WTXE1003A 1001	AC LISN	Schwarz beck	NSLK8126	8126-279	2024-02-24	2025-02-23
WTXE1104A 1036	Coaxial Cable	/	RG 316	/	2024-07-03	2025-07-02
WTXE1104A 1038	Coaxial Cable	/	6MRFC-DP	/	2024-07-03	2025-07-02
☐ Conducted Room 2#						
WTXE1001A 1004	EMI Test Receiver	Rohde & Schwarz	ESPI	101259	2024-02-24	2025-02-23
WTXE1003A 1003	LISN	Rohde & Schwarz	ENV 216	100097	2024-02-24	2025-02-23
WTXE1104A 1037	Coaxial Cable	/	RG 316	/	2024-07-03	2025-07-02

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	RESULT
§18.307 (b)	Conducted Emission	Compliant
§18.305 (b)	Radiated Emission	Compliant

N/A: Not applicable.

3. Conducted Emissions

3.1 Standard Applicable

According to FCC 18.307(b), the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies shall not exceed the limits in the following tables:

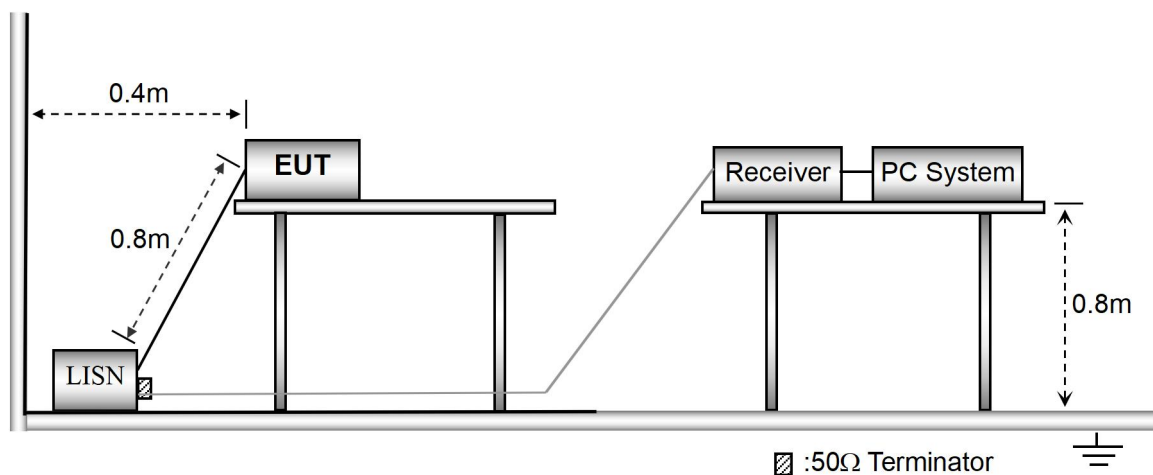
Frequency (MHz)	Conducted limit (dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56	56 to 46
0.5-5	56	46
5-30	60	50

3.2 Test Procedure

The setup of EUT is according with per ANSI C63.4-2014 measurement procedure. The specification used was with the FCC Part 18.307 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.

3.3 Basic Test Setup Block Diagram



3.4 Environmental Conditions

Temperature:	23.5° C
Relative Humidity:	54%
ATM Pressure:	1016 mbar

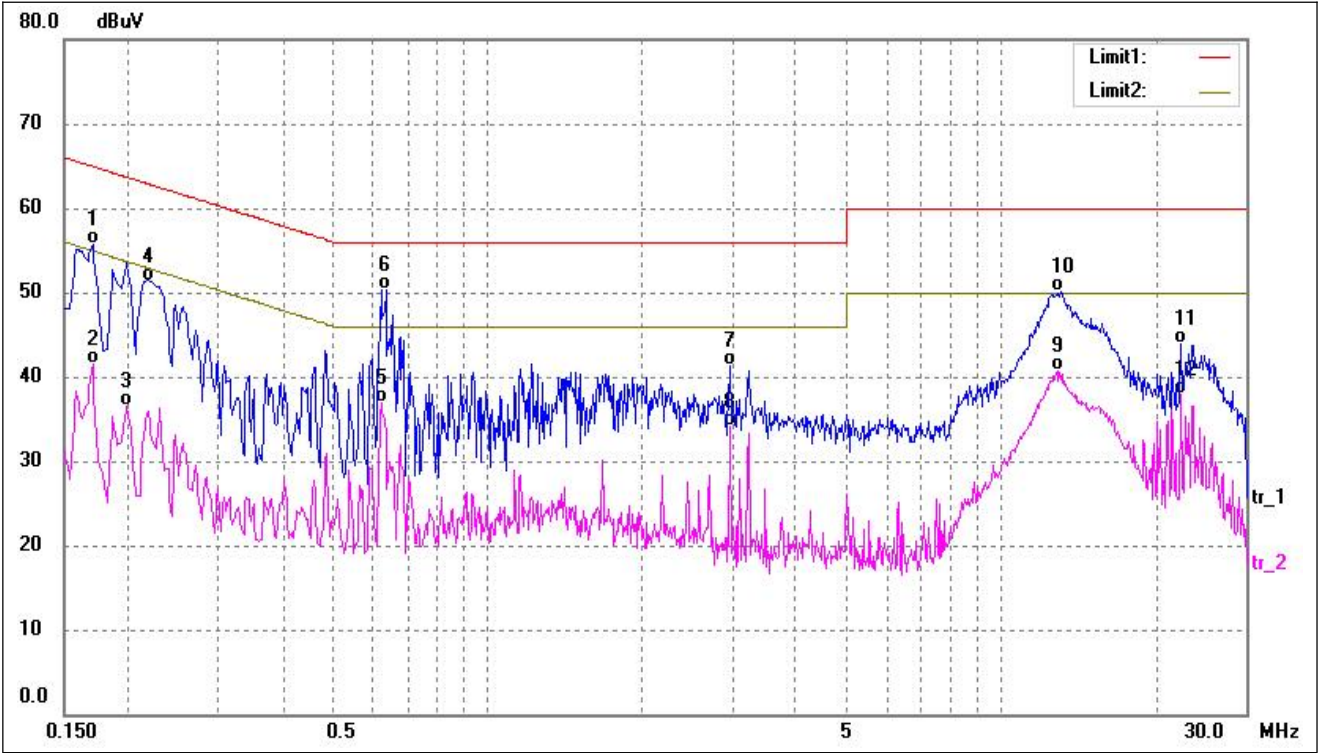
3.5 Test Receiver Setup

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

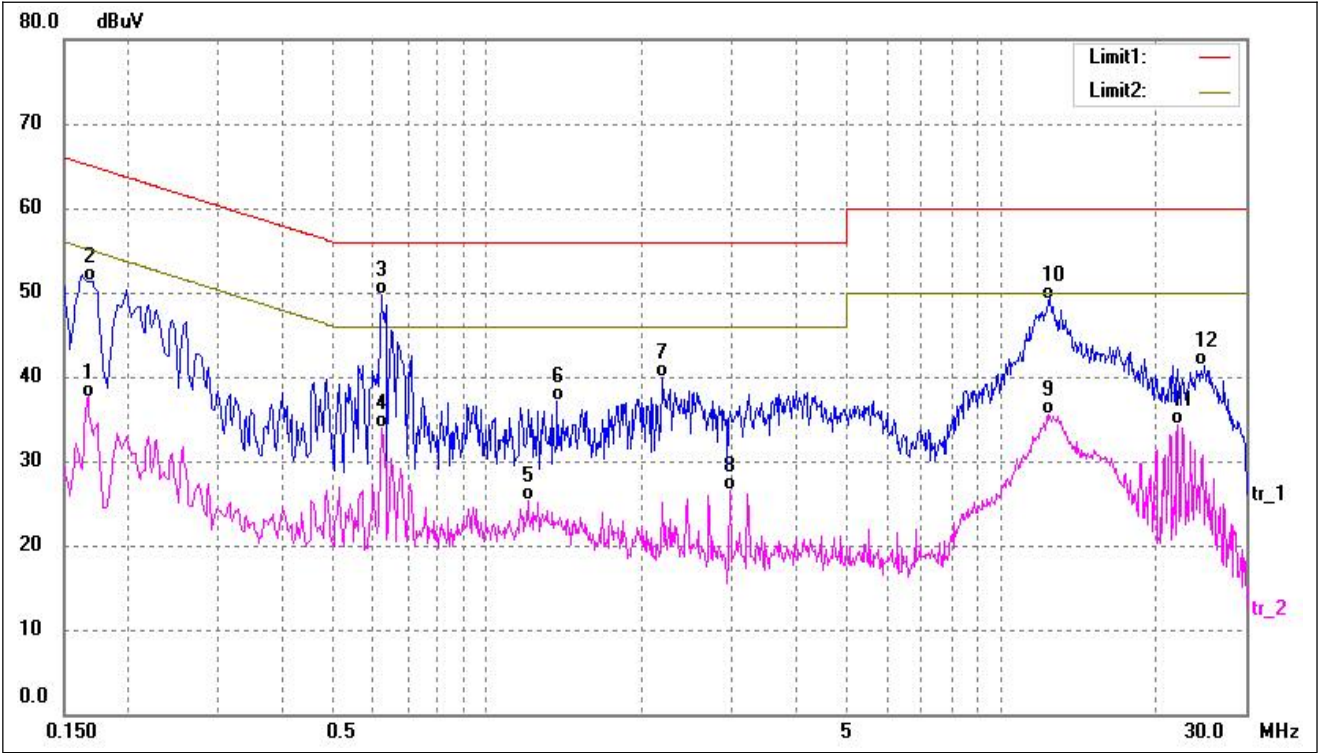
3.6 Summary of Test Results/Plots

Test mode:	TM1	Polarity:	Line
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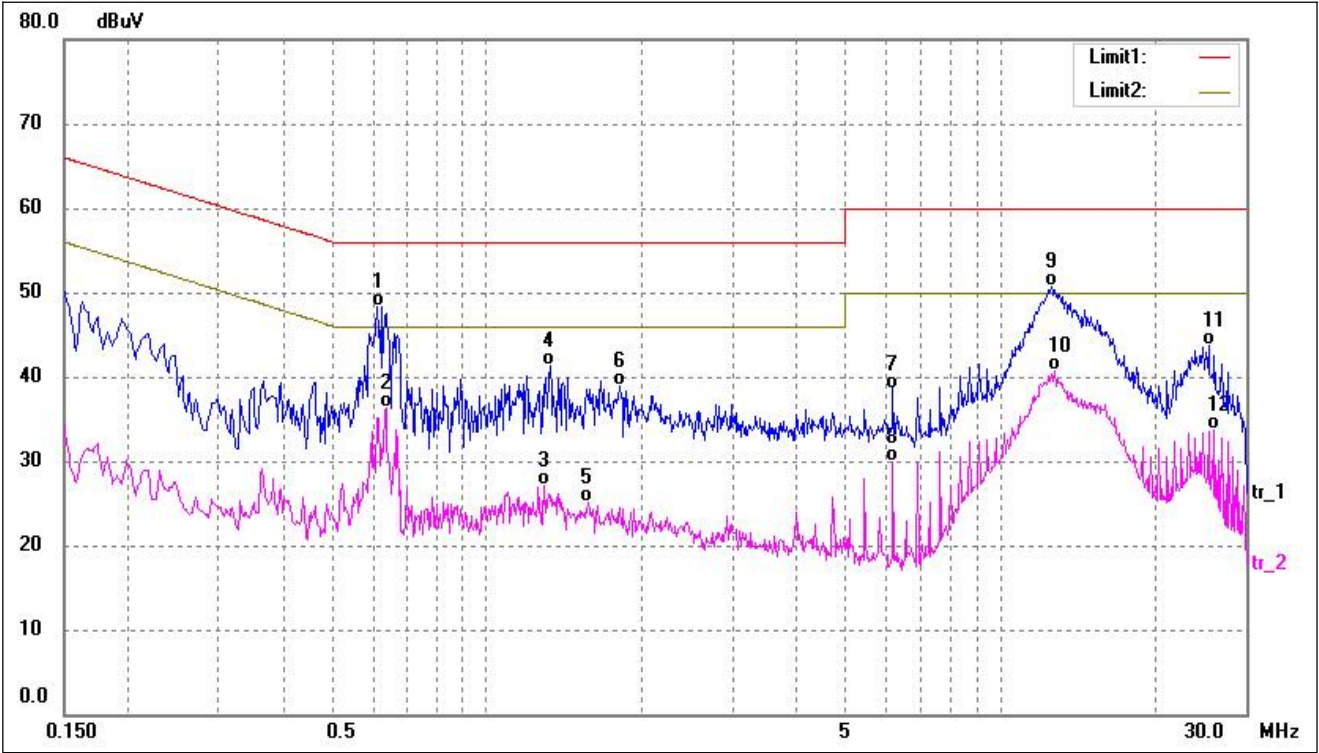
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1700	45.96	9.69	55.65	64.96	-9.31	QP
2	0.1700	31.73	9.69	41.42	54.96	-13.54	AVG
3	0.1980	26.99	9.58	36.57	53.69	-17.12	AVG
4	0.2207	41.69	9.58	51.27	62.79	-11.52	QP
5	0.6219	27.21	9.71	36.92	46.00	-9.08	AVG
6*	0.6340	40.69	9.70	50.39	56.00	-5.61	QP
7	2.9660	31.72	9.62	41.34	56.00	-14.66	QP
8	2.9660	24.47	9.62	34.09	46.00	-11.91	AVG
9	12.8580	30.87	9.92	40.79	50.00	-9.21	AVG
10	13.0939	40.23	9.92	50.15	60.00	-9.85	QP
11	22.3140	33.66	10.16	43.82	60.00	-16.18	QP
12	22.4420	27.79	10.16	37.95	50.00	-12.05	AVG

Test mode:	TM1	Polarity:	Neutral
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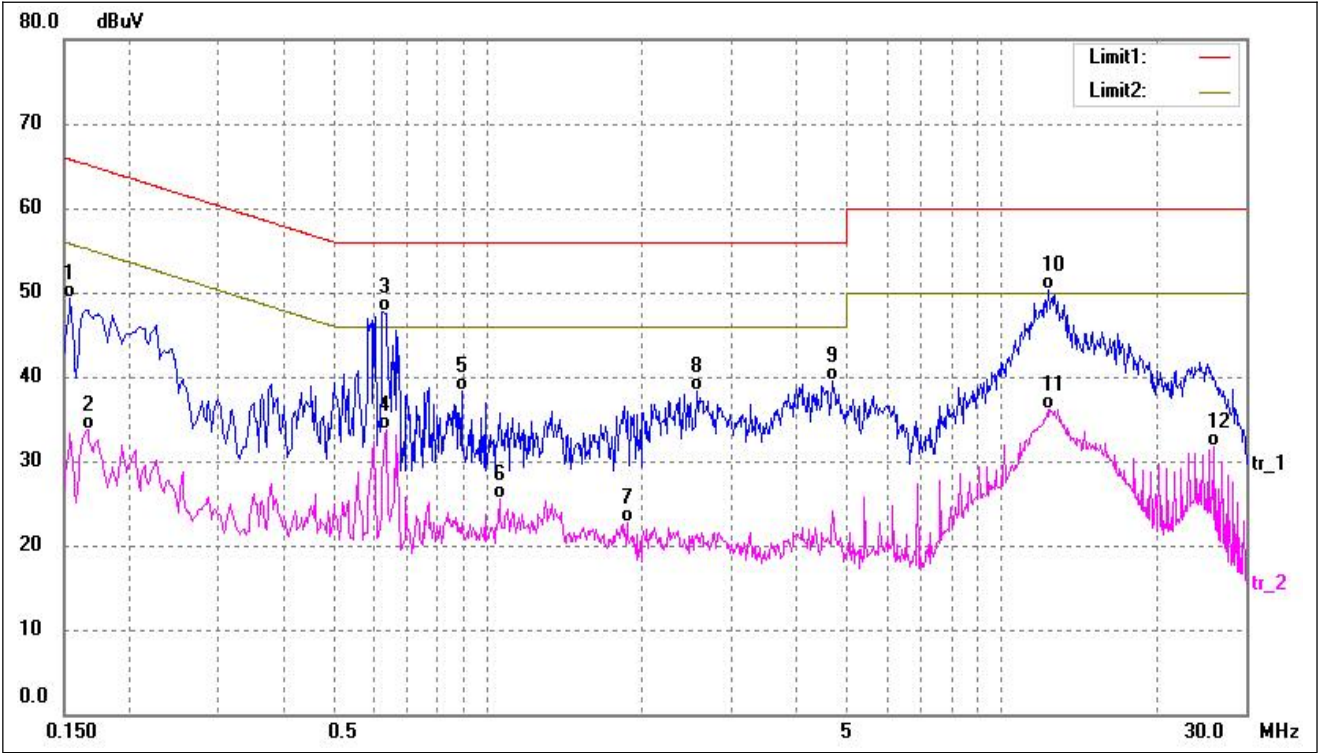
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1660	27.90	9.70	37.60	55.15	-17.55	AVG
2	0.1700	41.57	9.69	51.26	64.96	-13.70	QP
3*	0.6220	40.07	9.71	49.78	56.00	-6.22	QP
4	0.6260	24.17	9.70	33.87	46.00	-12.13	AVG
5	1.2020	15.57	9.66	25.23	46.00	-20.77	AVG
6	1.3700	27.44	9.65	37.09	56.00	-18.91	QP
7	2.1900	30.33	9.62	39.95	56.00	-16.05	QP
8	2.9660	16.97	9.62	26.59	46.00	-19.41	AVG
9	12.3580	25.64	9.91	35.55	50.00	-14.45	AVG
10	12.4620	39.29	9.91	49.20	60.00	-10.80	QP
11	22.1660	24.21	10.17	34.38	50.00	-15.62	AVG
12	24.9900	31.20	10.08	41.28	60.00	-18.72	QP

Test mode:	TM2	Polarity:	Line
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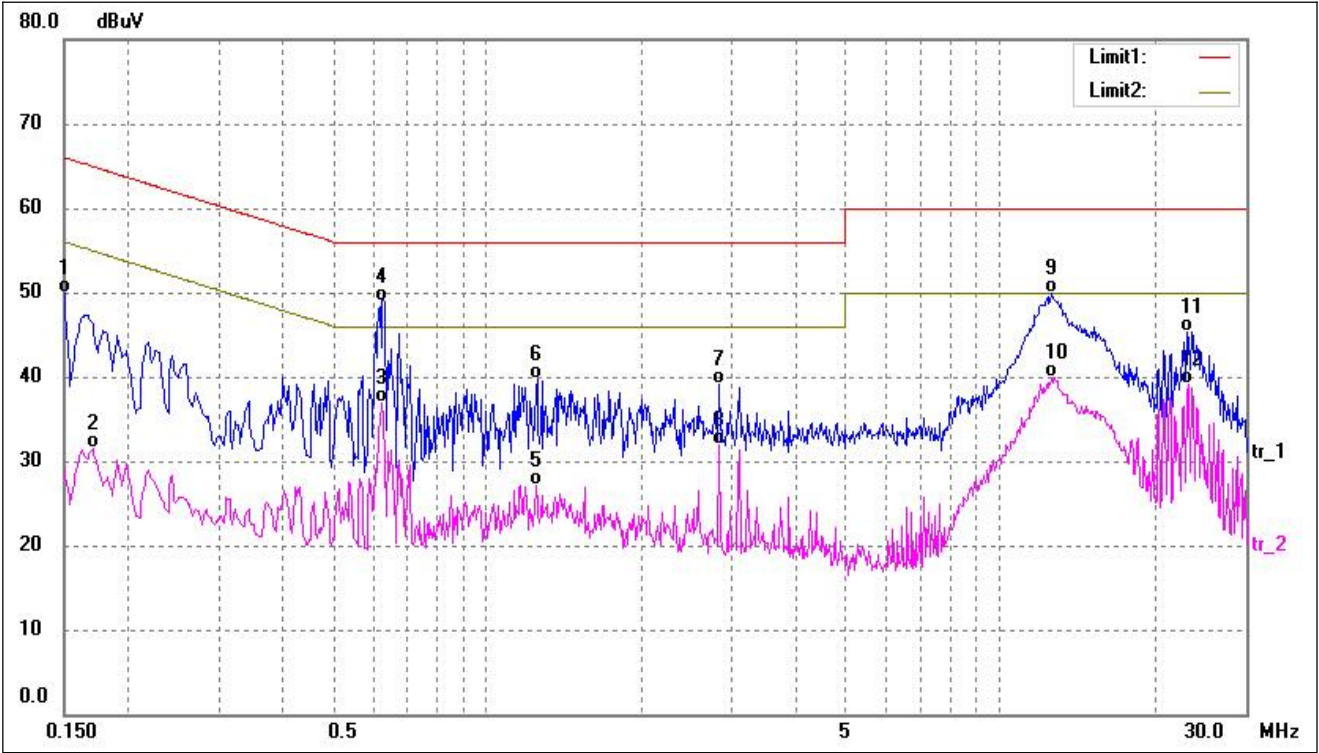
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1*	0.6220	38.65	9.71	48.36	56.00	-7.64	QP
2	0.6340	26.60	9.70	36.30	46.00	-9.70	AVG
3	1.2900	17.36	9.66	27.02	46.00	-18.98	AVG
4	1.3300	31.59	9.65	41.24	56.00	-14.76	QP
5	1.5740	15.47	9.64	25.11	46.00	-20.89	AVG
6	1.8180	29.28	9.63	38.91	56.00	-17.09	QP
7	6.1700	28.85	9.75	38.60	60.00	-21.40	QP
8	6.1700	20.18	9.75	29.93	50.00	-20.07	AVG
9	12.5260	40.81	9.91	50.72	60.00	-9.28	QP
10	12.7660	30.86	9.91	40.77	50.00	-9.23	AVG
11	25.4060	33.62	10.07	43.69	60.00	-16.31	QP
12	26.1340	23.62	10.05	33.67	50.00	-16.33	AVG

Test mode:	TM2	Polarity:	Neutral
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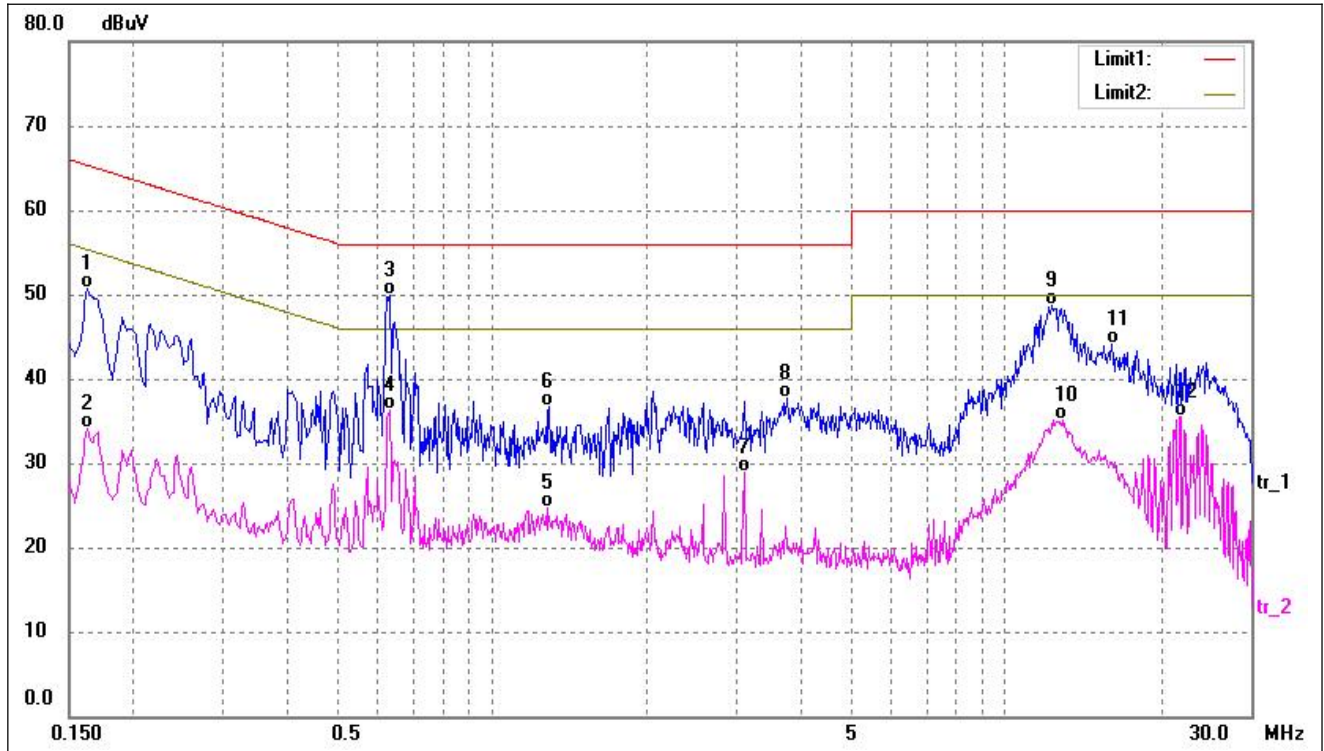
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1539	39.54	9.75	49.29	65.78	-16.49	QP
2	0.1660	23.95	9.70	33.65	55.15	-21.50	AVG
3*	0.6260	38.02	9.70	47.72	56.00	-8.28	QP
4	0.6340	24.02	9.70	33.72	46.00	-12.28	AVG
5	0.8900	28.64	9.67	38.31	56.00	-17.69	QP
6	1.0580	15.88	9.67	25.55	46.00	-20.45	AVG
7	1.8700	13.09	9.63	22.72	46.00	-23.28	AVG
8	2.5579	28.62	9.62	38.24	56.00	-17.76	QP
9	4.7180	29.86	9.70	39.56	56.00	-16.44	QP
10	12.3420	40.44	9.91	50.35	60.00	-9.65	QP
11	12.3420	26.17	9.91	36.08	50.00	-13.92	AVG
12	26.1340	21.72	10.05	31.77	50.00	-18.23	AVG

Test mode:	TM3	Polarity:	Line
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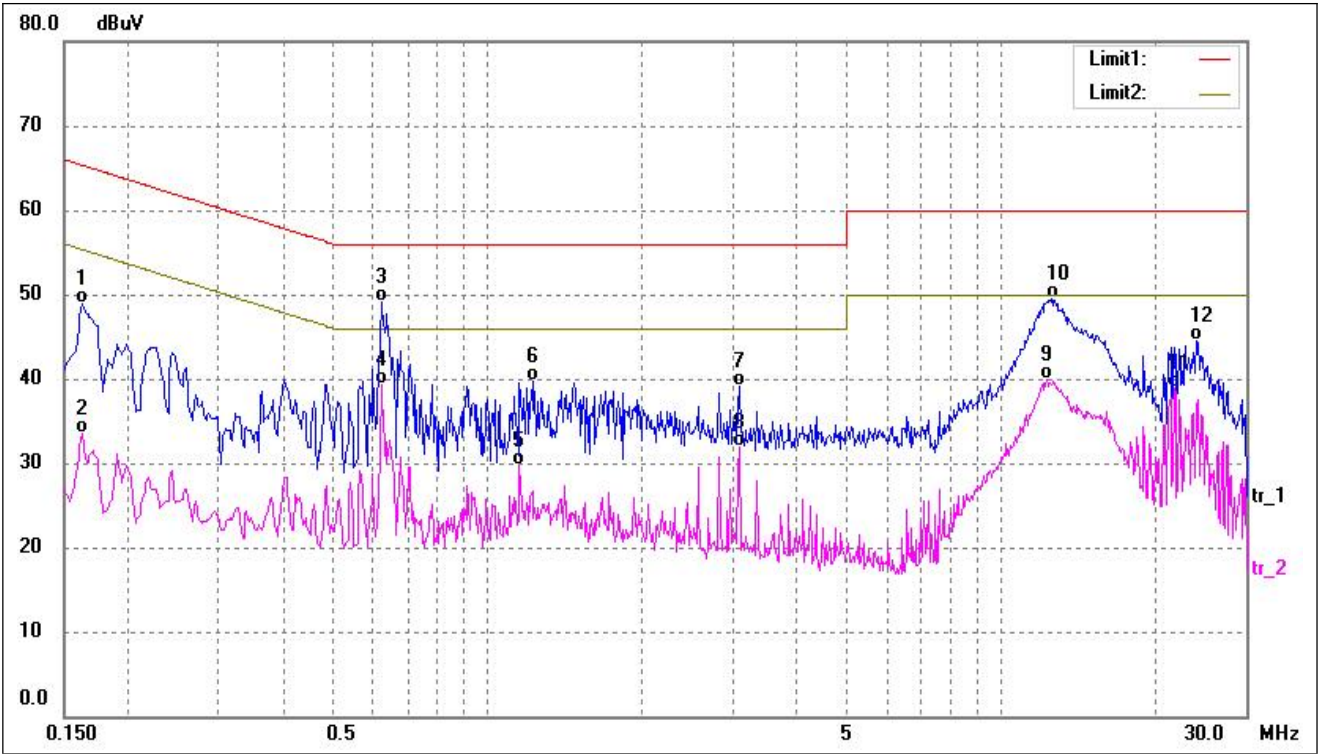
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1500	40.23	9.76	49.99	65.99	-16.00	QP
2	0.1700	21.77	9.69	31.46	54.96	-23.50	AVG
3	0.6260	27.14	9.70	36.84	46.00	-9.16	AVG
4*	0.6300	39.21	9.70	48.91	56.00	-7.09	QP
5	1.2460	17.47	9.66	27.13	46.00	-18.87	AVG
6	1.2540	29.97	9.66	39.63	56.00	-16.37	QP
7	2.8340	29.49	9.62	39.11	56.00	-16.89	QP
8	2.8340	22.36	9.62	31.98	46.00	-14.02	AVG
9	12.5659	39.98	9.91	49.89	60.00	-10.11	QP
10	12.6459	29.93	9.91	39.84	50.00	-10.16	AVG
11	23.0660	35.25	10.14	45.39	60.00	-14.61	QP
12	23.1940	28.97	10.13	39.10	50.00	-10.90	AVG

Test mode:	TM3	Polarity:	Neutral
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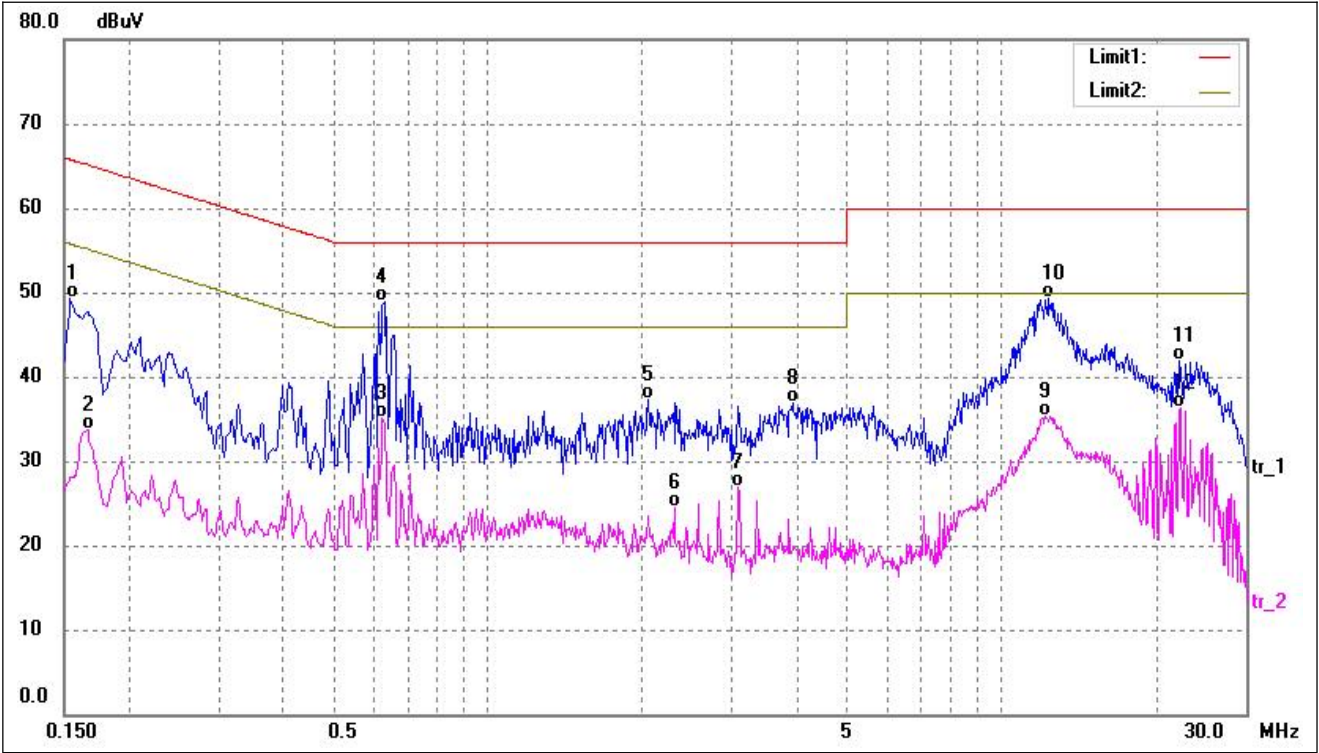
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1620	40.90	9.72	50.62	65.36	-14.74	QP
2	0.1620	24.33	9.72	34.05	55.36	-21.31	AVG
3*	0.6300	40.11	9.70	49.81	56.00	-6.19	QP
4	0.6300	26.63	9.70	36.33	46.00	-9.67	AVG
5	1.2820	15.09	9.66	24.75	46.00	-21.25	AVG
6	1.2940	26.95	9.66	36.61	56.00	-19.39	QP
7	3.0940	19.30	9.62	28.92	46.00	-17.08	AVG
8	3.7420	27.95	9.66	37.61	56.00	-18.39	QP
9	12.3020	38.72	9.91	48.63	60.00	-11.37	QP
10	12.8660	25.21	9.92	35.13	50.00	-14.87	AVG
11	16.1100	34.09	10.02	44.11	60.00	-15.89	QP
12	21.9060	25.40	10.18	35.58	50.00	-14.42	AVG

Test mode:	TM4	Polarity:	Line
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1620	39.20	9.72	48.92	65.36	-16.44	QP
2	0.1620	23.71	9.72	33.43	55.36	-21.93	AVG
3	0.6220	39.43	9.71	49.14	56.00	-6.86	QP
4*	0.6220	29.66	9.71	39.37	46.00	-6.63	AVG
5	1.1580	20.01	9.66	29.67	46.00	-16.33	AVG
6	1.2260	29.95	9.66	39.61	56.00	-16.39	QP
7	3.0940	29.48	9.62	39.10	56.00	-16.90	QP
8	3.0940	22.29	9.62	31.91	46.00	-14.09	AVG
9	12.3180	29.92	9.91	39.83	50.00	-10.17	AVG
10	12.5260	39.57	9.91	49.48	60.00	-10.52	QP
11	21.7780	28.80	10.18	38.98	50.00	-11.02	AVG
12	24.0980	34.39	10.10	44.49	60.00	-15.51	QP

Test mode:	TM4	Polarity:	Neutral
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1539	39.49	9.75	49.24	65.78	-16.54	QP
2	0.1660	23.91	9.70	33.61	55.15	-21.54	AVG
3	0.6260	25.31	9.70	35.01	46.00	-10.99	AVG
4*	0.6300	39.30	9.70	49.00	56.00	-7.00	QP
5	2.0619	27.69	9.62	37.31	56.00	-18.69	QP
6	2.3179	14.83	9.62	24.45	46.00	-21.55	AVG
7	3.0899	17.23	9.62	26.85	46.00	-19.15	AVG
8	3.9260	27.26	9.66	36.92	56.00	-19.08	QP
9	12.2260	25.46	9.91	35.37	50.00	-14.63	AVG
10	12.3940	39.47	9.91	49.38	60.00	-10.62	QP
11	22.2860	31.74	10.16	41.90	60.00	-18.10	QP
12	22.4140	26.16	10.16	36.32	50.00	-13.68	AVG

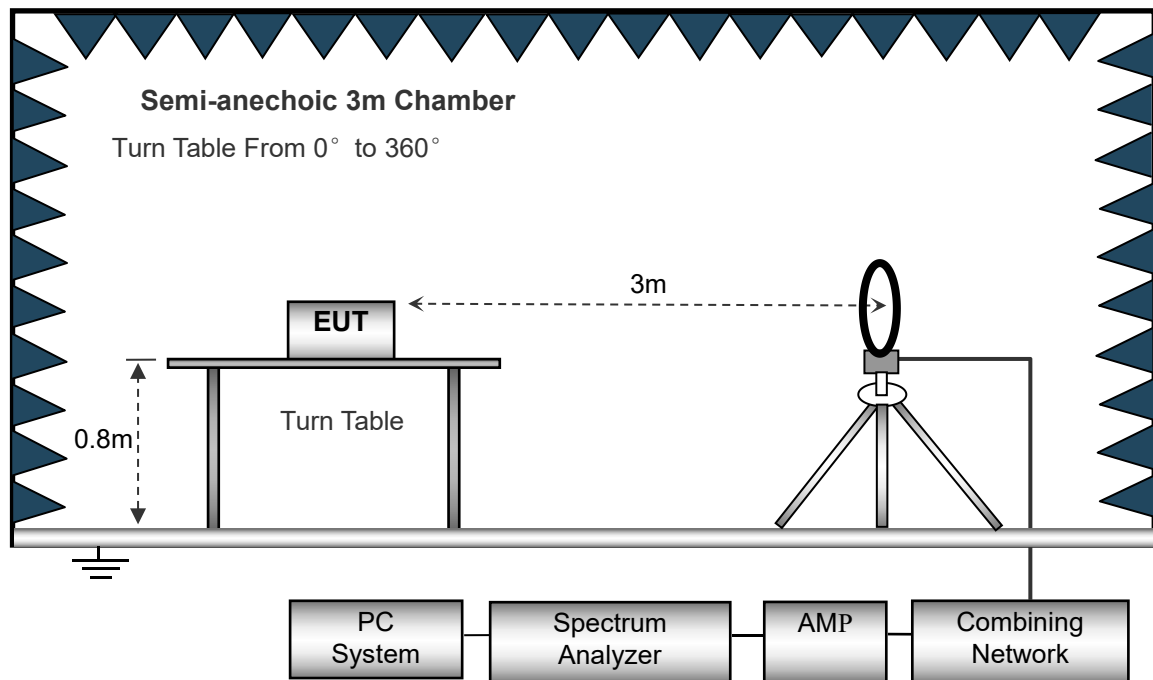
4. Radiated Emissions

4.1 Test Procedure

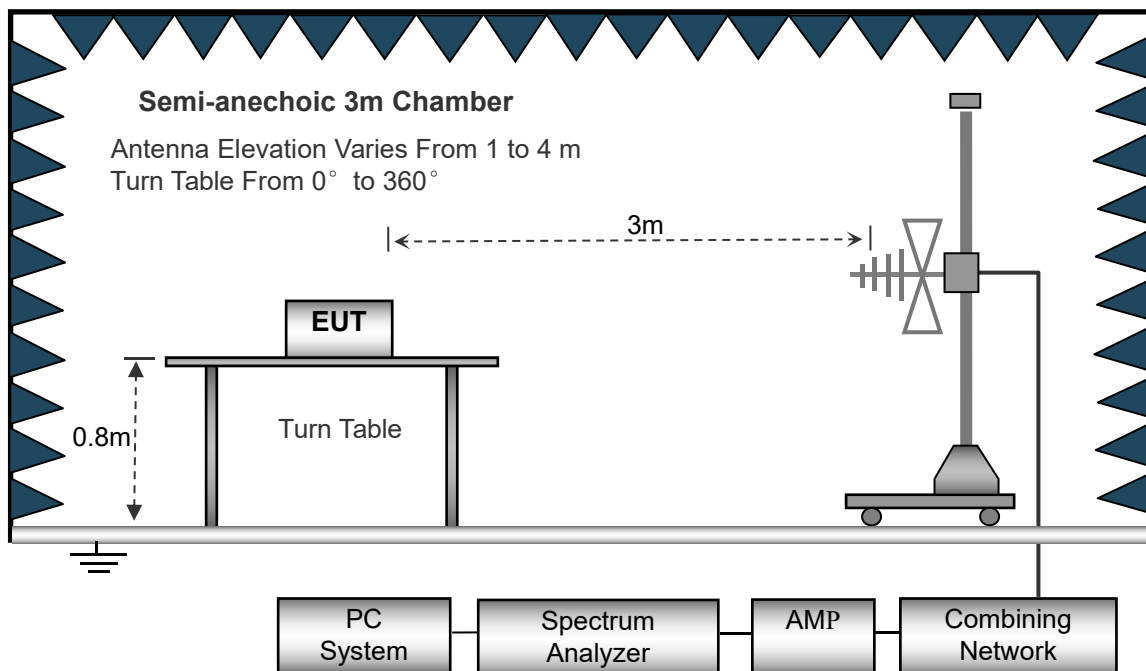
The setup of EUT is according with per ANSI C63.4-2014 measurement procedure. The specification used was with the FCC Part 18.305 Limit.

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..



4.2 Test Receiver Setup

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

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 Any non-ISM frequency device. The equation for margin calculation is as follows:

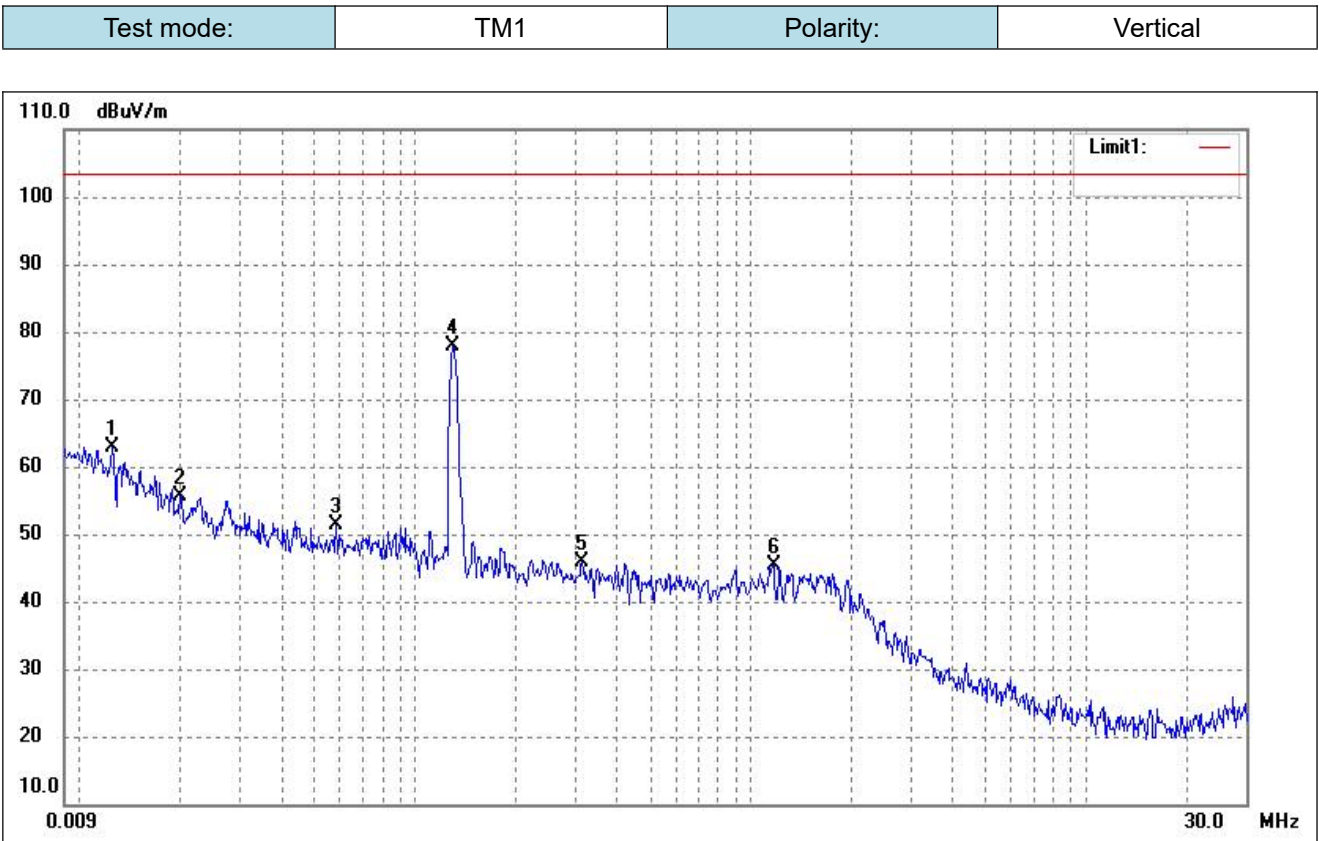
$$\text{Margin} = \text{Corr. Ampl.} - \text{FCC Part 18.305 Limit}$$

4.4 Environmental Conditions

Temperature:	22.5 °C
Relative Humidity:	54 %
ATM Pressure:	1011 mbar

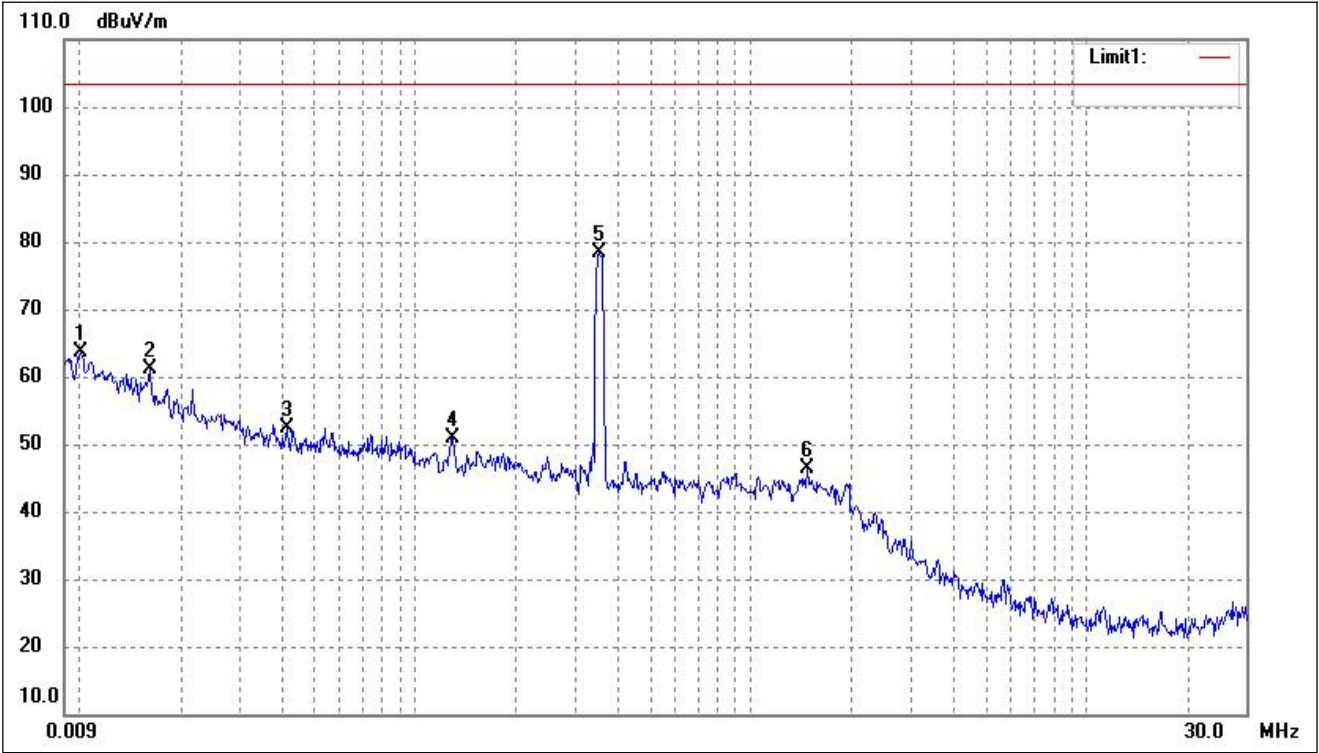
4.5 Summary of Test Results/Plots

Plot of Radiated Emissions Test Data (Below 30MHz)



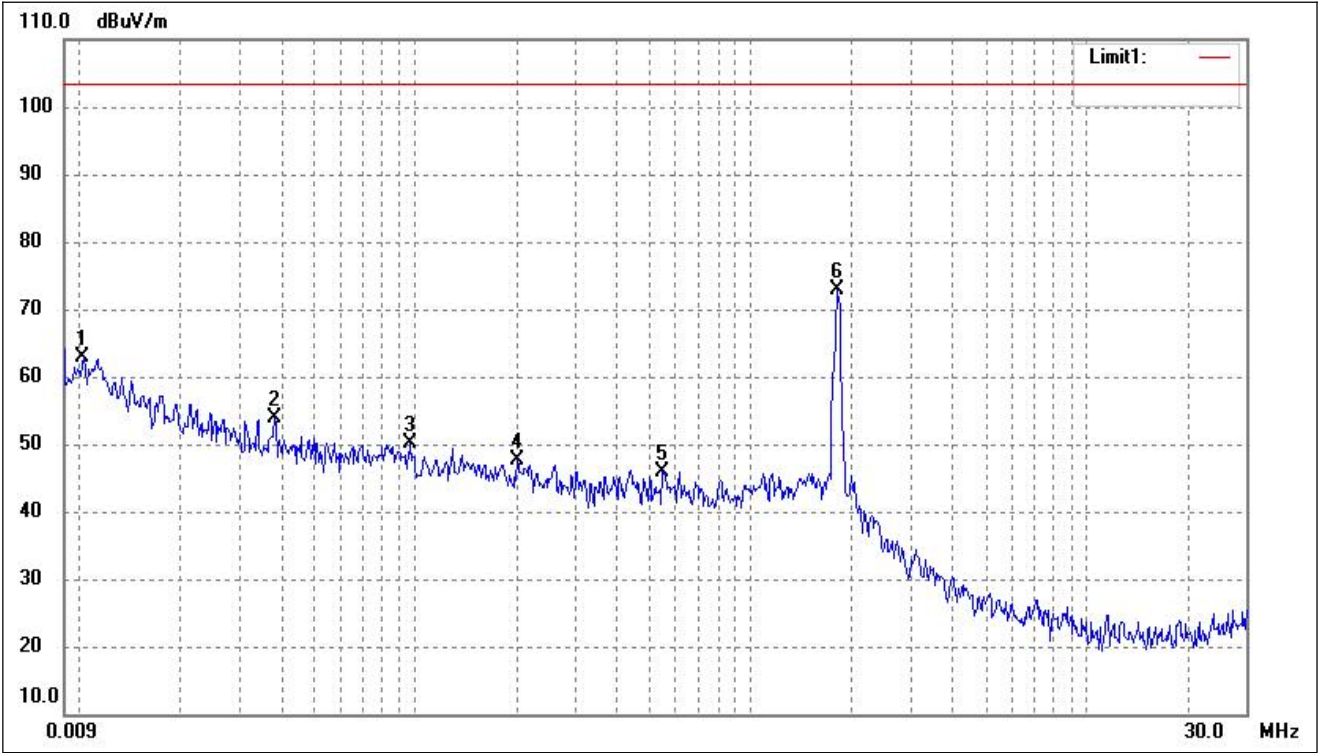
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	0.0126	69.34	-6.47	62.87	103.50	-40.63	-	-	peak
2	0.0199	62.35	-6.60	55.75	103.50	-47.75	-	-	peak
3	0.0581	58.68	-7.39	51.29	103.50	-52.21	-	-	peak
4	0.1298	85.80	-7.96	77.84	103.50	-25.66	-	-	peak
5	0.3142	54.28	-8.38	45.90	103.50	-57.60	-	-	peak
6	1.1694	53.38	-7.93	45.45	103.50	-58.05	-	-	peak

Test mode:	TM2	Polarity:	Vertical
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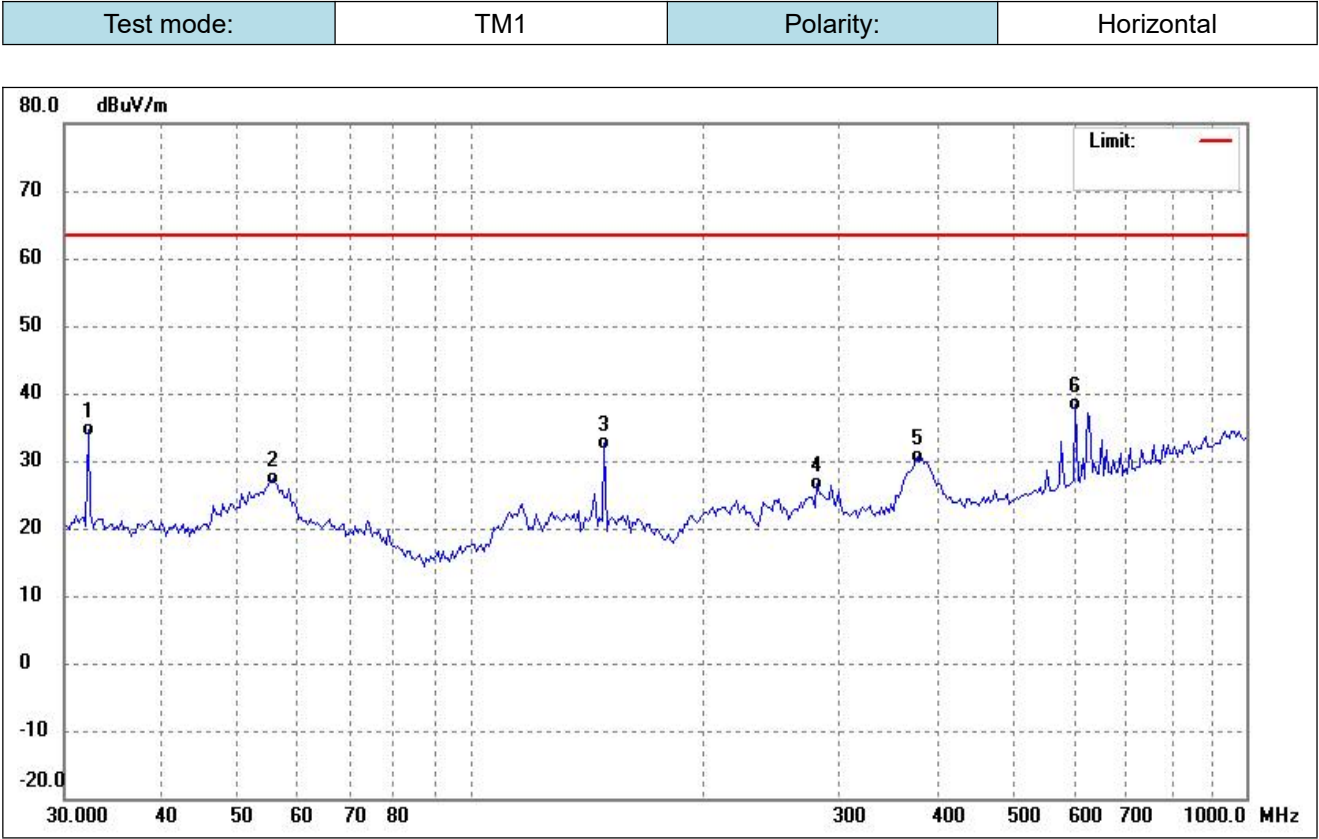
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	0.0101	70.07	-6.41	63.66	103.50	-39.84	-	-	peak
2	0.0161	67.64	-6.52	61.12	103.50	-42.38	-	-	peak
3	0.0417	59.56	-7.06	52.50	103.50	-51.00	-	-	peak
4	0.1287	58.93	-7.96	50.97	103.50	-52.53	-	-	peak
5	0.3520	86.83	-8.36	78.47	103.50	-25.03	-	-	peak
6	1.4796	54.29	-7.90	46.39	103.50	-57.11	-	-	peak

Test mode:	TM3	Polarity:	Vertical
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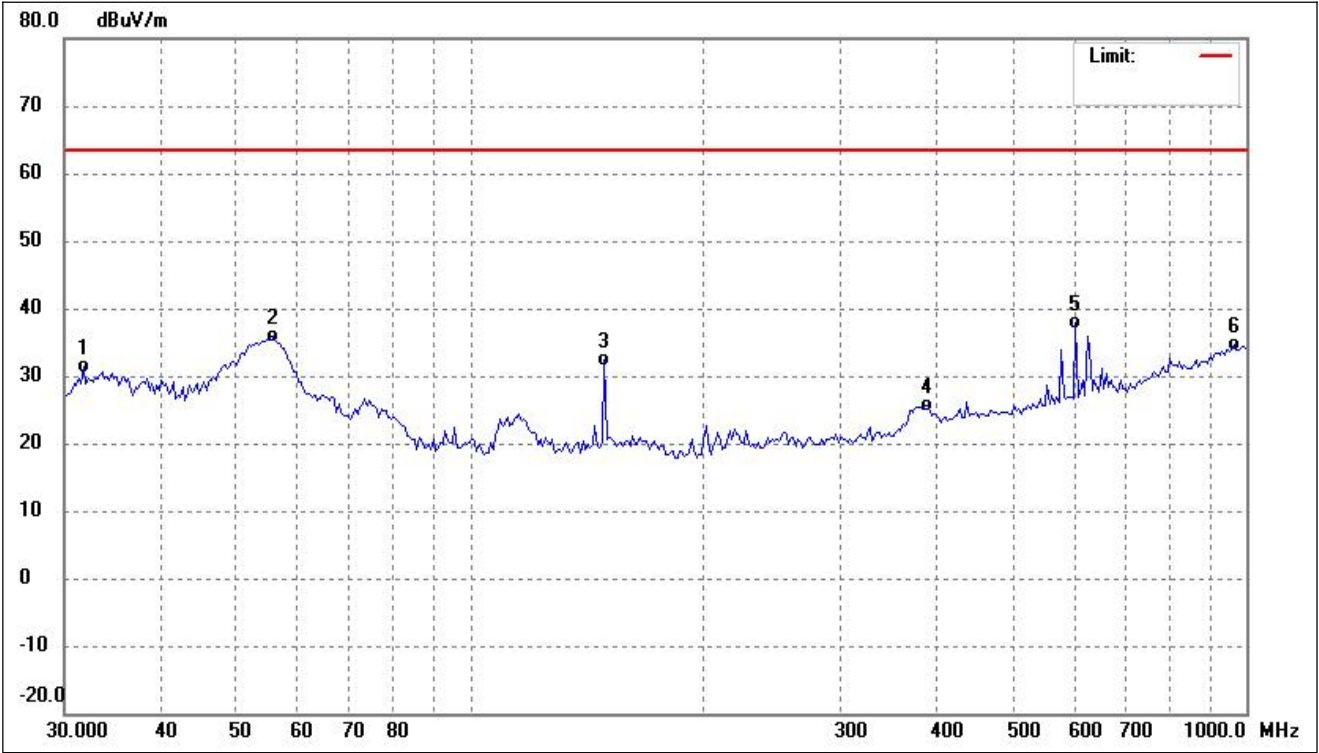
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	0.0102	69.23	-6.41	62.82	103.50	-40.68	-	-	peak
2	0.0381	60.96	-6.98	53.98	103.50	-49.52	-	-	peak
3	0.0969	58.11	-7.87	50.24	103.50	-53.26	-	-	peak
4	0.2011	55.82	-8.09	47.73	103.50	-55.77	-	-	peak
5	0.5455	54.19	-8.24	45.95	103.50	-57.55	-	-	peak
6	1.8122	80.64	-7.87	72.77	103.50	-30.73	-	-	peak

Plot of Radiated Emissions Test Data (Above 30MHz)



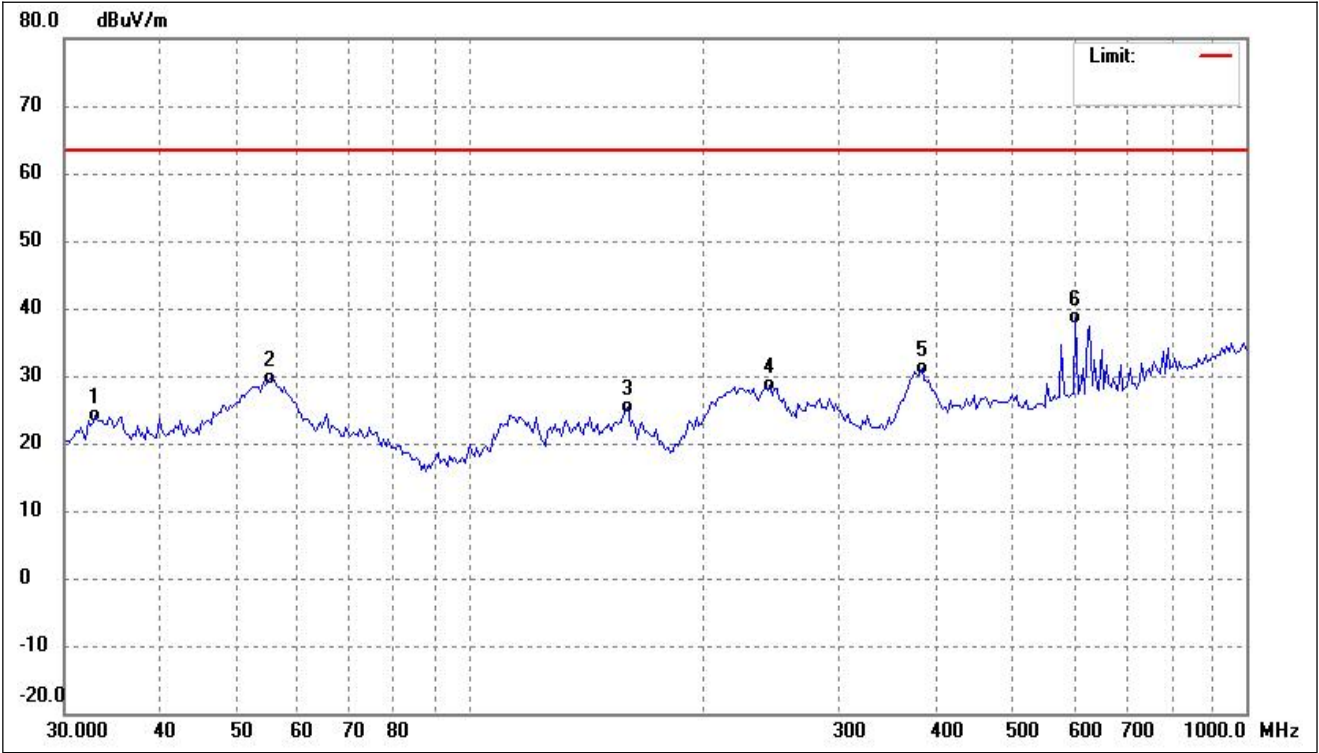
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	()	(cm)	
1	32.1840	43.96	-9.37	34.59	63.50	-28.91	-	-	QP
2	55.6782	35.61	-8.17	27.44	63.50	-36.06	-	-	QP
3	148.9175	40.70	-8.14	32.56	63.50	-30.94	-	-	QP
4	280.2936	35.24	-8.49	26.75	63.50	-36.75	-	-	QP
5	376.5227	37.17	-6.57	30.60	63.50	-32.90	-	-	QP
6	602.9287	40.66	-2.19	38.47	63.50	-25.03	-	-	QP

Test mode:	TM1	Polarity:	Vertical
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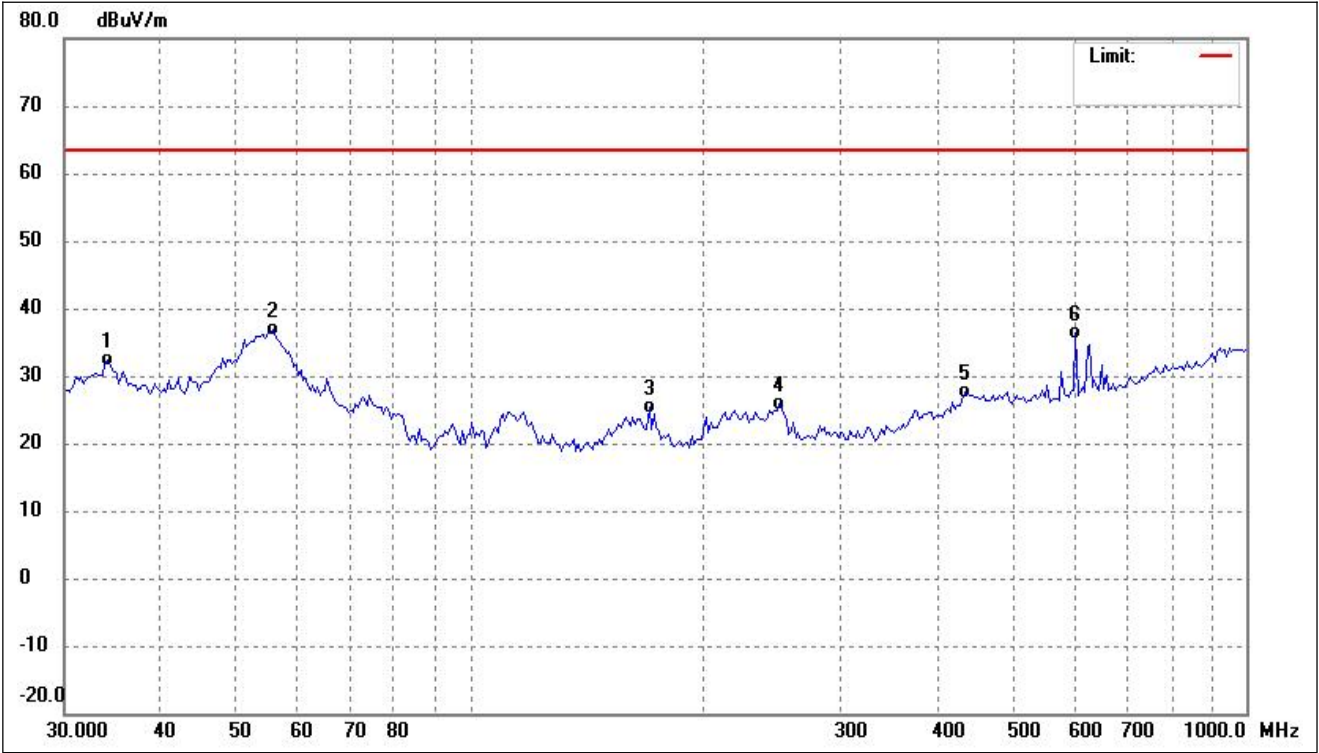
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	31.7348	40.76	-9.43	31.33	63.50	-32.17	-	-	QP
2	55.6782	44.04	-8.17	35.87	63.50	-27.63	-	-	QP
3	148.9175	40.46	-8.14	32.32	63.50	-31.18	-	-	QP
4	387.2565	32.15	-6.43	25.72	63.50	-37.78	-	-	QP
5	602.9287	40.01	-2.19	37.82	63.50	-25.68	-	-	QP
6	965.4742	31.38	3.37	34.75	63.50	-28.75	-	-	QP

Test mode:	TM2	Polarity:	Horizontal
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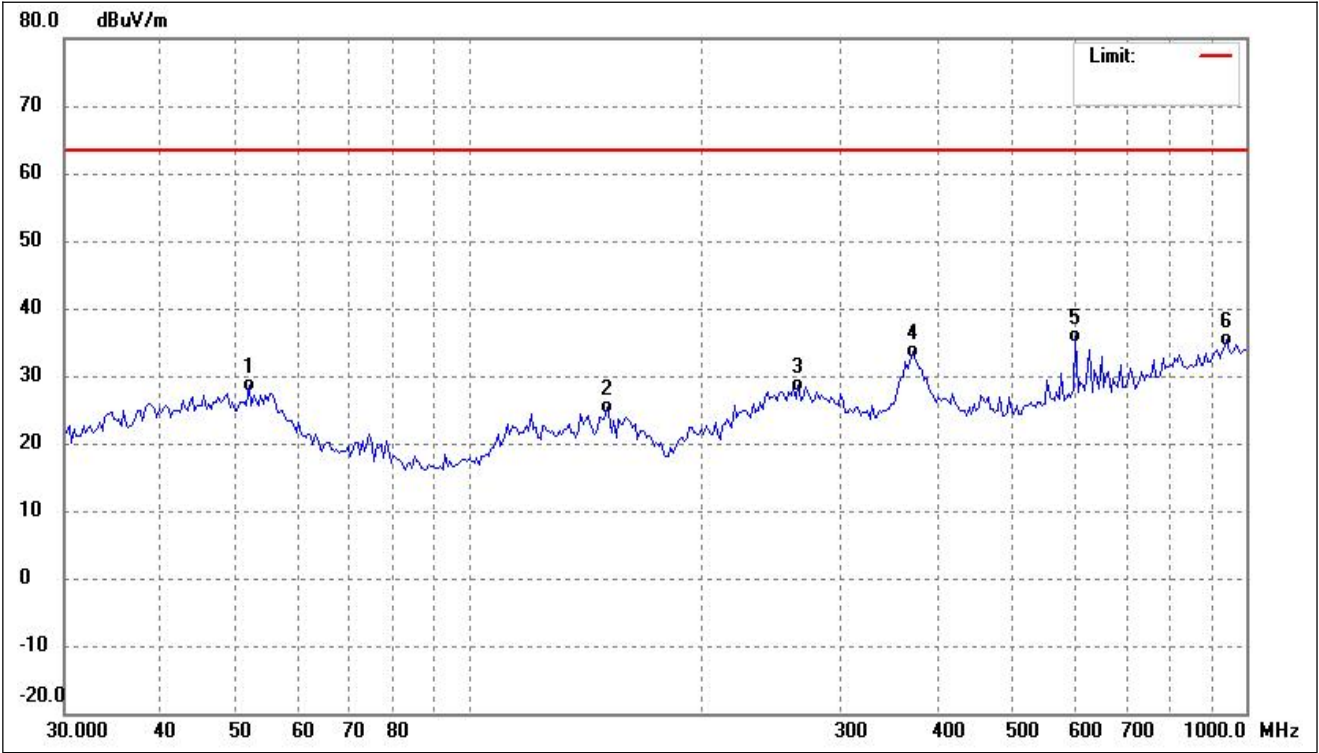
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	32.8697	33.29	-9.28	24.01	63.50	-39.49	-	-	QP
2	55.2883	37.84	-8.14	29.70	63.50	-33.80	-	-	QP
3	159.7586	33.36	-8.05	25.31	63.50	-38.19	-	-	QP
4	243.5431	38.61	-9.90	28.71	63.50	-34.79	-	-	QP
5	381.8520	37.61	-6.50	31.11	63.50	-32.39	-	-	QP
6	602.9287	40.89	-2.19	38.70	63.50	-24.80	-	-	QP

Test mode:	TM2	Polarity:	Vertical
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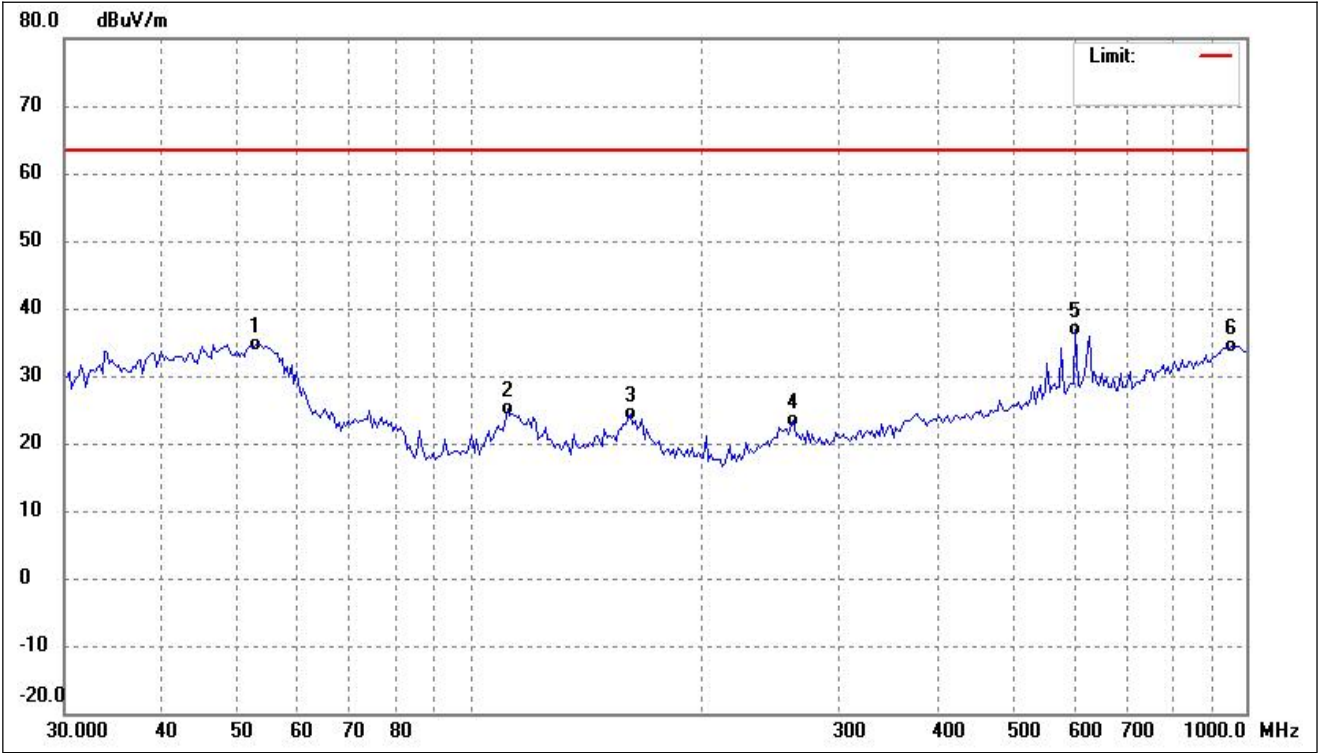
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	34.0451	41.43	-9.13	32.30	63.50	-31.20	-	-	QP
2	55.6782	45.04	-8.17	36.87	63.50	-26.63	-	-	QP
3	170.1888	33.61	-8.34	25.27	63.50	-38.23	-	-	QP
4	250.4859	35.44	-9.68	25.76	63.50	-37.74	-	-	QP
5	433.3397	33.10	-5.55	27.55	63.50	-35.95	-	-	QP
6	602.9287	38.48	-2.19	36.29	63.50	-27.21	-	-	QP

Test mode:	TM3	Polarity:	Horizontal
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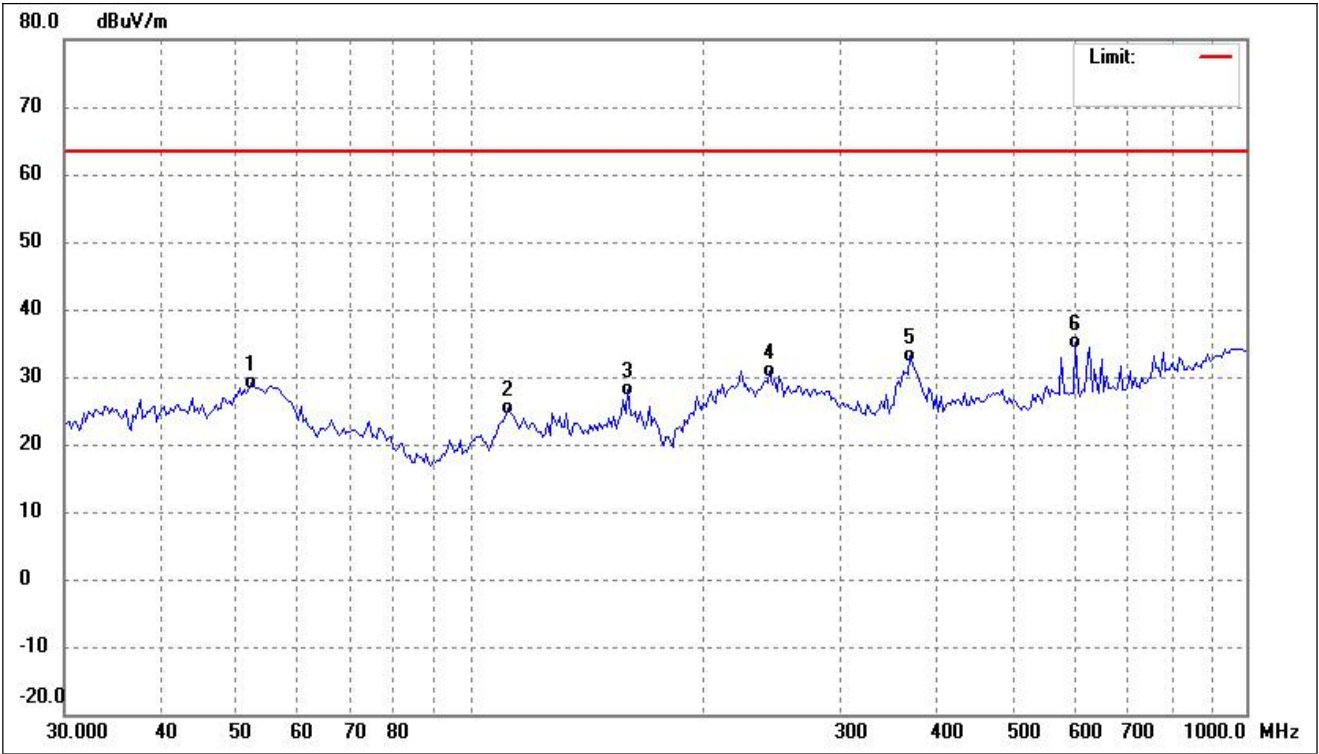
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	51.8998	36.36	-7.79	28.57	63.50	-34.93	-	-	QP
2	149.9676	33.30	-8.04	25.26	63.50	-38.24	-	-	QP
3	264.9709	37.79	-9.08	28.71	63.50	-34.79	-	-	QP
4	371.2679	40.41	-6.67	33.74	63.50	-29.76	-	-	QP
5	602.9287	37.95	-2.19	35.76	63.50	-27.74	-	-	QP
6	945.3336	32.17	3.19	35.36	63.50	-28.14	-	-	QP

Test mode:	TM3	Polarity:	Vertical
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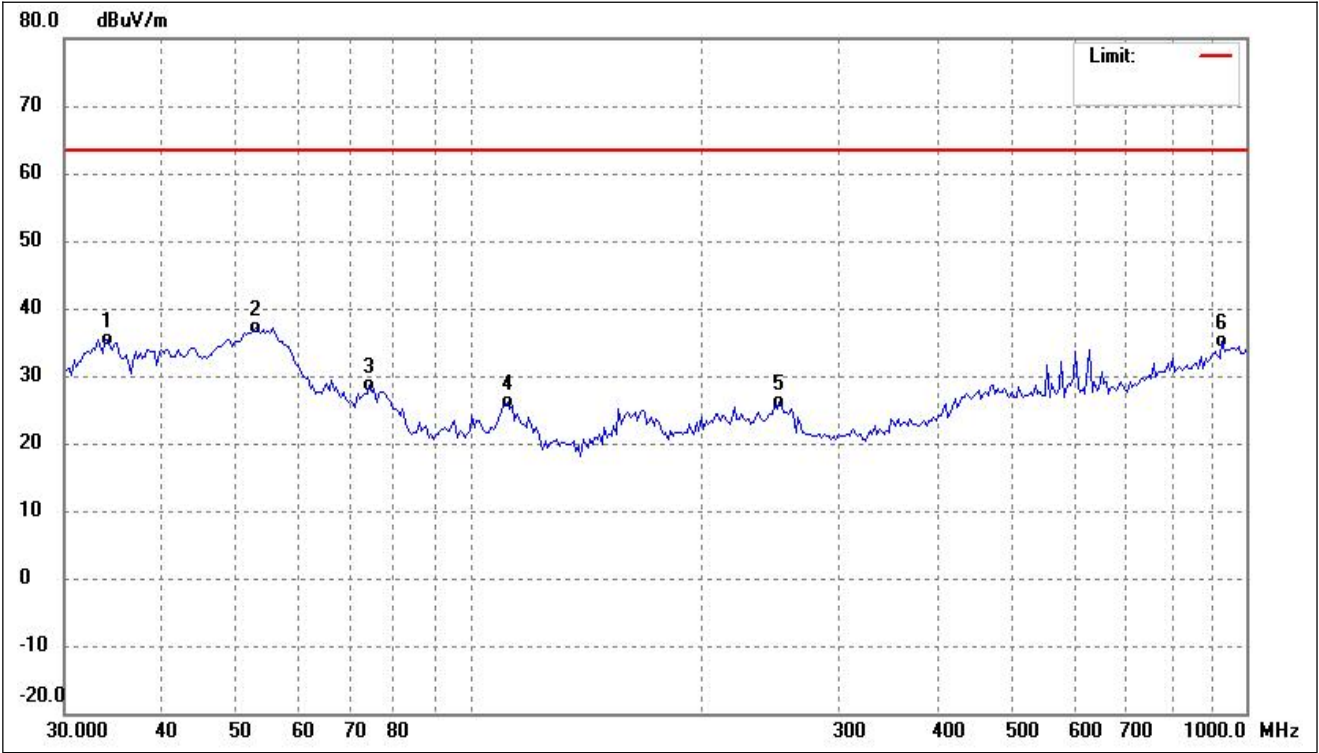
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	53.0056	42.59	-7.91	34.68	63.50	-28.82	-	-	QP
2	111.6399	36.10	-10.89	25.21	63.50	-38.29	-	-	QP
3	160.8852	32.45	-8.08	24.37	63.50	-39.13	-	-	QP
4	261.2730	32.67	-9.24	23.43	63.50	-40.07	-	-	QP
5	602.9287	39.09	-2.19	36.90	63.50	-26.60	-	-	QP
6	958.7135	31.05	3.34	34.39	63.50	-29.11	-	-	QP

Test mode:	TM4	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	52.2659	37.02	-7.83	29.19	63.50	-34.31	-	-	QP
2	111.6399	36.37	-10.89	25.48	63.50	-38.02	-	-	QP
3	159.7586	36.26	-8.05	28.21	63.50	-35.29	-	-	QP
4	243.5431	40.80	-9.90	30.90	63.50	-32.60	-	-	QP
5	368.6681	39.91	-6.71	33.20	63.50	-30.30	-	-	QP
6	602.9287	37.39	-2.19	35.20	63.50	-28.30	-	-	QP

Test mode:	TM4	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	34.0451	44.60	-9.13	35.47	63.50	-28.03	-	-	QP
2	53.0056	45.10	-7.91	37.19	63.50	-26.31	-	-	QP
3	74.2696	39.75	-11.18	28.57	63.50	-34.93	-	-	QP
4	111.6399	37.09	-10.89	26.20	63.50	-37.30	-	-	QP
5	250.4859	35.71	-9.68	26.03	63.50	-37.47	-	-	QP
6	932.1405	32.23	2.87	35.10	63.50	-28.40	-	-	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.

APPENDIX PHOTOGRAPHS

Please refer to “ANNEX”

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