

TEST REPORT

Reference No...... : WTH24X11280273W001
FCC ID : 2AP5Z-MAG5RGB
Applicant : Shenzhen Yelangu Technology Co., Ltd
Address : Floor 2 Building.D KaiHuiMao Industrial Park, LiYuan Road FuHai Town
Bao'an District, Shenzhen, China
Manufacturer : The same as Applicant
Address : The same as Applicant
Product Name : RGB Charge Double-sided light
Model No...... : MAG5 RGB
Standards : FCC Part 15.207&15.209
Date of Receipt sample : 2024-11-29
Date of Test..... : 2024-11-29 to 2024-12-19
Date of Issue : 2024-12-19
Test Report Form No. : WTX_Part 15_207_209W
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:

Waltek Testing Group (Shenzhen) Co., Ltd.

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Tested by:



Dashan Chen

Approved by:



Jason Su

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Report version

Version No.	Date of issue	Description
Rev.00	2024-12-19	Original
/	/	/

1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

General Description of EUT	
Product Name:	RGB Charge Double-sided light
Trade Name:	/
Model No.:	MAG5 RGB
Adding Model(s):	/
Rated Voltage:	Type C Input: 5V Type C Output: 5V
Rated Current:	Input : 1A Output : 3A
Rated Power:	Wireless Output : 5W, 7.5W, 10W,15W Total Output: 15W Max
Battery Capacity:	4000mAh
Power Adapter Model:	/
<i>Note: The test data is gathered from a production sample, provided by the manufacturer.</i>	

Technical Characteristics of EUT	
Frequency Range:	110-205kHz
Modulation Type:	ASK
Antenna Type:	Coil Antenna

1.2 Test Standards

The tests were performed according to following standards:

FCC Rules Part 15.207: Conducted limits.

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

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, 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 Operation Mode

The equipment under test (EUT) was configured to measure its highest possible emission. 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	Output 5W	Type C Input: 5V Type C Output: 5V
TM2	Wireless Charging	Output 10W	Type C Input: 5V Type C Output: 5V
TM3	Wireless Charging	Output 15W	Type C Input: 5V Type C Output: 5V

EUT Cable List and Details			
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite
Type-C Cable	0.95	Unshielded	Without 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
wireless charging tester	YBZ	YBZ wireless charging tester	/
Adapter	Xiaomi	MDY-08-ES	/
Smart phone	Apple	IPhone 15	/

1.6 Measurement Uncertainty

Measurement uncertainty		
Parameter	Conditions	Uncertainty
Conducted Emissions	Conducted	9-150kHz ±3.74dB
		0.15-30MHz ±3.34dB
Radiated 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

Fixed asset Number	Description	Manufacturer	Model	Serial No.	Cal Date	Due. Date
WTXE1005A 1005	Spectrum Analyzer	Agilent	N9020A	US471401 02	2024-03-19	2025-03-18
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 1001	EMI Test Receiver	Rohde & Schwarz	ESPI	101611	2024-03-19	2025-03-18
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 1001	EMI Test Receiver	Rohde & Schwarz	ESPI	101611	2024-03-19	2025-03-18
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	Pre-amplifier	Schwarzbeck	BBV 9721	9721-031	2024-02-29	2025-02-28

1001						
WTXE1104A 1033-1	Coaxial Cable	/	C16-07-07	/	2024-03-15	2025-03-14
WTXE1104A 1033-2	Coaxial Cable	/	C16-07-07	/	2024-03-15	2025-03-14
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
WTXE1007A 1002	Amplifier	HP	8447F	2944A038 69	2024-02-24	2025-02-23
WTXE1010A 1007	Loop Antenna	Schwarz beck	FMZB 1516	9773	2024-02-26	2025-02-25
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 1001	Pre-amplifier	Schwarzbeck	BBV 9721	9721-031	2024-02-29	2025-02-28
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

Description of Test	Result
§15.203 Antenna Requirement	Compliant
§15.207 (a) Conducted Emission	Compliant
§15.209 Radiated Emission	Compliant

N/A: not applicable.

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.

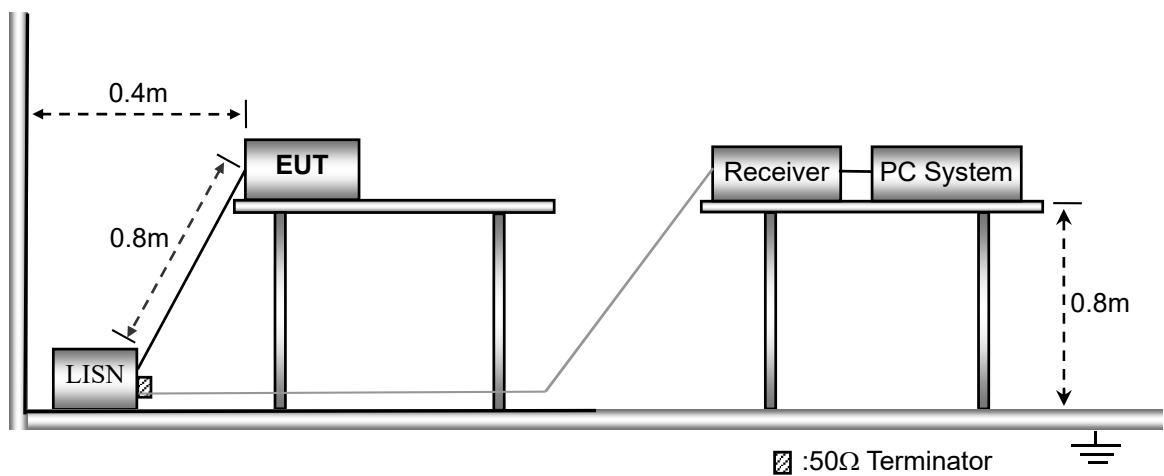
4. Conducted Emissions

4.1 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 40cm long in the middle. The spacing between the peripherals was 10cm.

4.2 Basic Test Setup Block Diagram

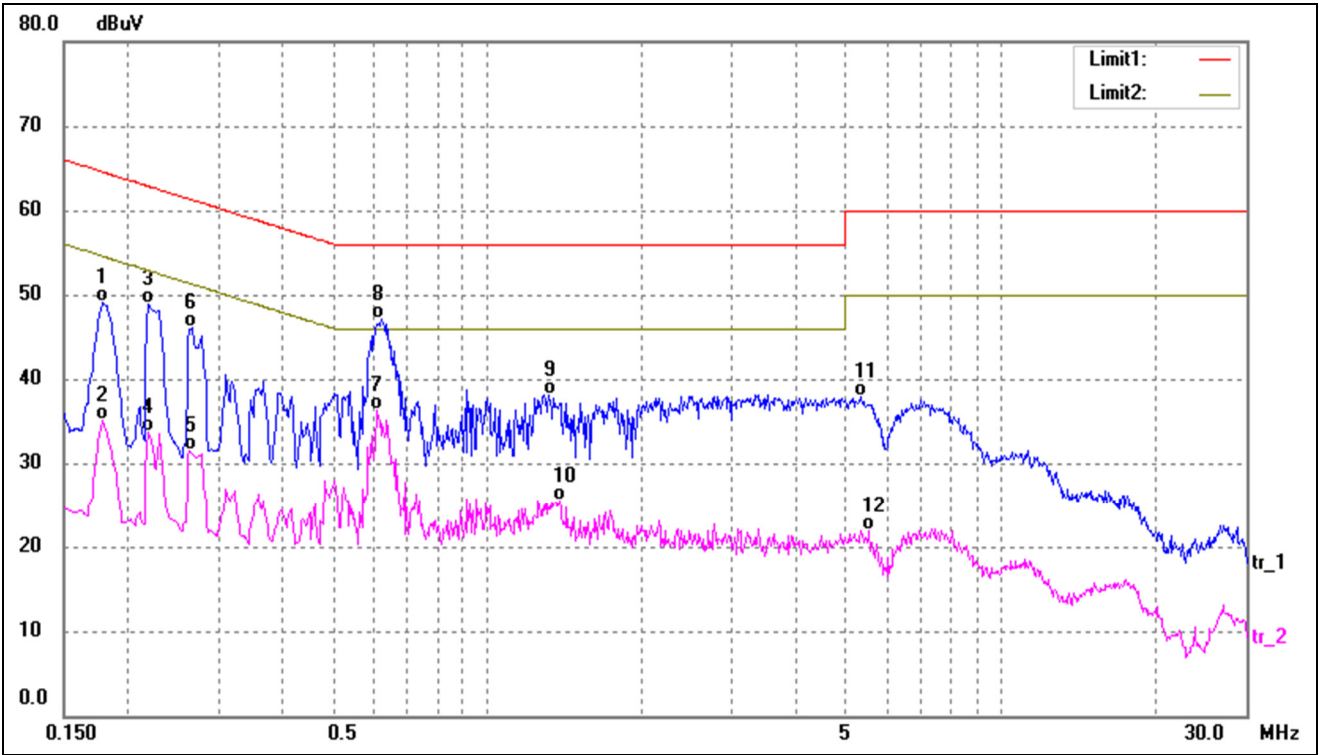


4.3 Environmental Conditions

Temperature:	25 °C
Relative Humidity:	55 %
ATM Pressure:	1011 mbar

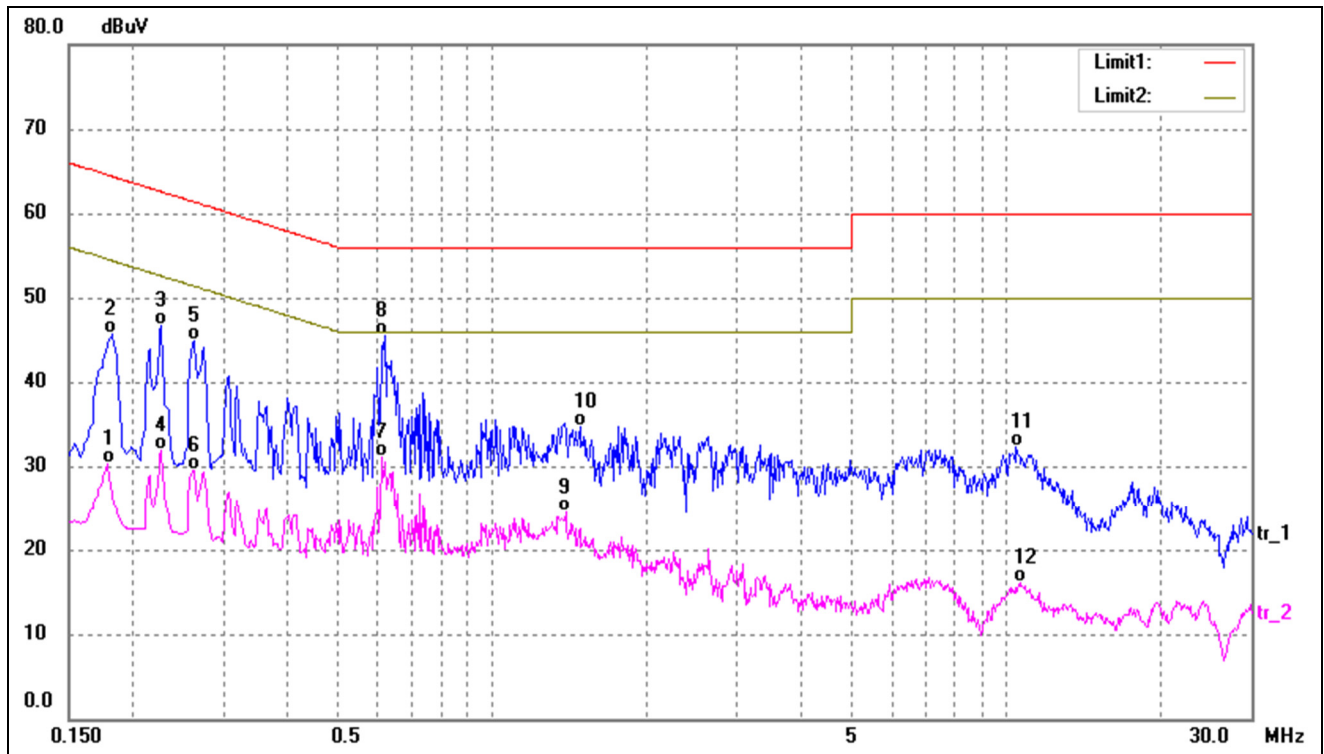
4.4 Summary of Test Results/Plots

Test mode:	TM1	Polarity:	Line
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1780	39.52	9.65	49.17	64.57	-15.40	QP
2	0.1780	25.54	9.65	35.19	54.57	-19.38	AVG
3	0.2180	39.37	9.58	48.95	62.89	-13.94	QP
4	0.2180	24.06	9.58	33.64	52.89	-19.25	AVG
5	0.2620	21.98	9.61	31.59	51.36	-19.77	AVG
6	0.2660	36.45	9.62	46.07	61.24	-15.17	QP
7	0.6100	26.56	9.71	36.27	46.00	-9.73	AVG
8*	0.6220	37.42	9.71	47.13	56.00	-8.87	QP
9	1.3220	28.39	9.65	38.04	56.00	-17.96	QP
10	1.3820	15.94	9.65	25.59	46.00	-20.41	AVG
11	5.3420	28.09	9.72	37.81	60.00	-22.19	QP
12	5.5460	12.21	9.74	21.95	50.00	-28.05	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	0.1780	20.64	9.65	30.29	54.57	-24.28	AVG
2	0.1819	35.98	9.64	45.62	64.39	-18.77	QP
3	0.2260	37.14	9.59	46.73	62.59	-15.86	QP
4	0.2260	22.29	9.59	31.88	52.59	-20.71	AVG
5	0.2620	35.21	9.61	44.82	61.36	-16.54	QP
6	0.2620	19.93	9.61	29.54	51.36	-21.82	AVG
7	0.6100	21.37	9.71	31.08	46.00	-14.92	AVG
8*	0.6180	35.77	9.71	45.48	56.00	-10.52	QP
9	1.3900	14.94	9.65	24.59	46.00	-21.41	AVG
10	1.4819	25.11	9.65	34.76	56.00	-21.24	QP
11	10.4860	22.46	9.89	32.35	60.00	-27.65	QP
12	10.7100	6.17	9.89	16.06	50.00	-33.94	AVG

5. RADIATED EMISSION

5.1 Standard Applicable

According to 15.209(a), radiated emission limits; general requirements.

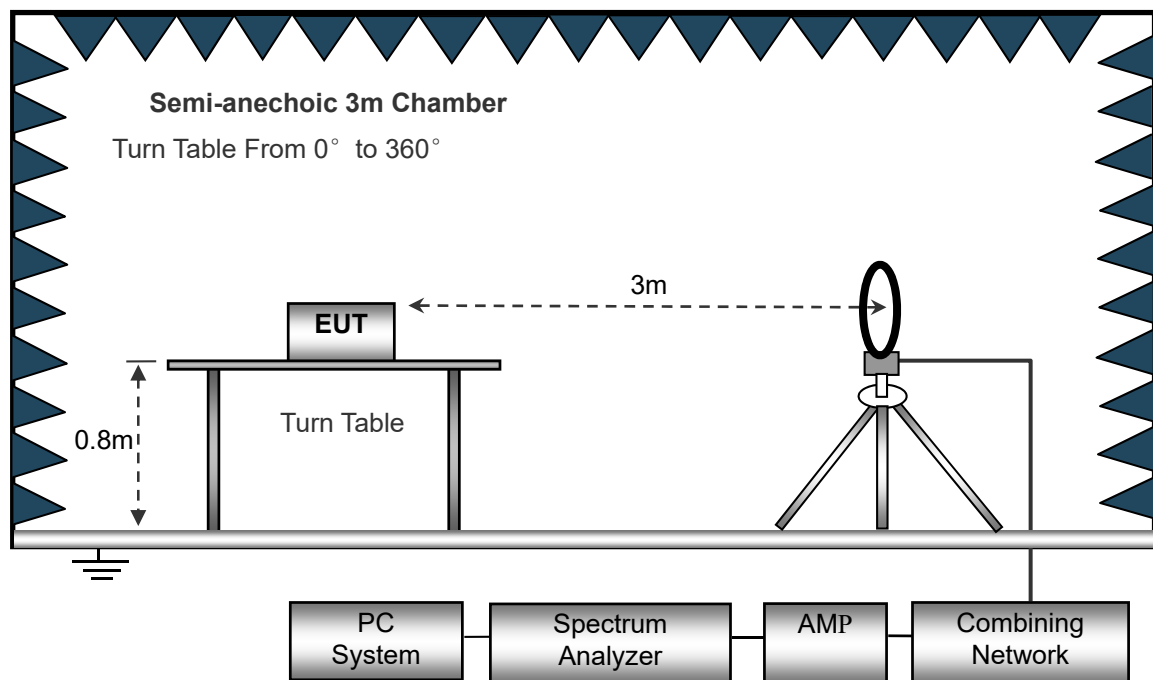
Frequency (MHz)	Field Strength		Field Strength Limit at 3m Measurement Dist	
	uV/m	Distance (m)	uV/m	dBuV/m
0.009 ~ 0.490	2400/F(kHz)	300	10000 * 2400/F(kHz)	$20\log^{(2400/F(kHz))} + 80$
0.490 ~ 1.705	24000/F(kHz)	30	100 * 24000/F(kHz)	$20\log^{(24000/F(kHz))} + 40$
1.705 ~ 30	30	30	100 * 30	$20\log^{(30)} + 40$
30 ~ 88	100	3	100	$20\log^{(100)}$
88 ~ 216	150	3	150	$20\log^{(150)}$
216 ~ 960	200	3	200	$20\log^{(200)}$
Above 960	500	3	500	$20\log^{(500)}$

5.2 Test Procedure

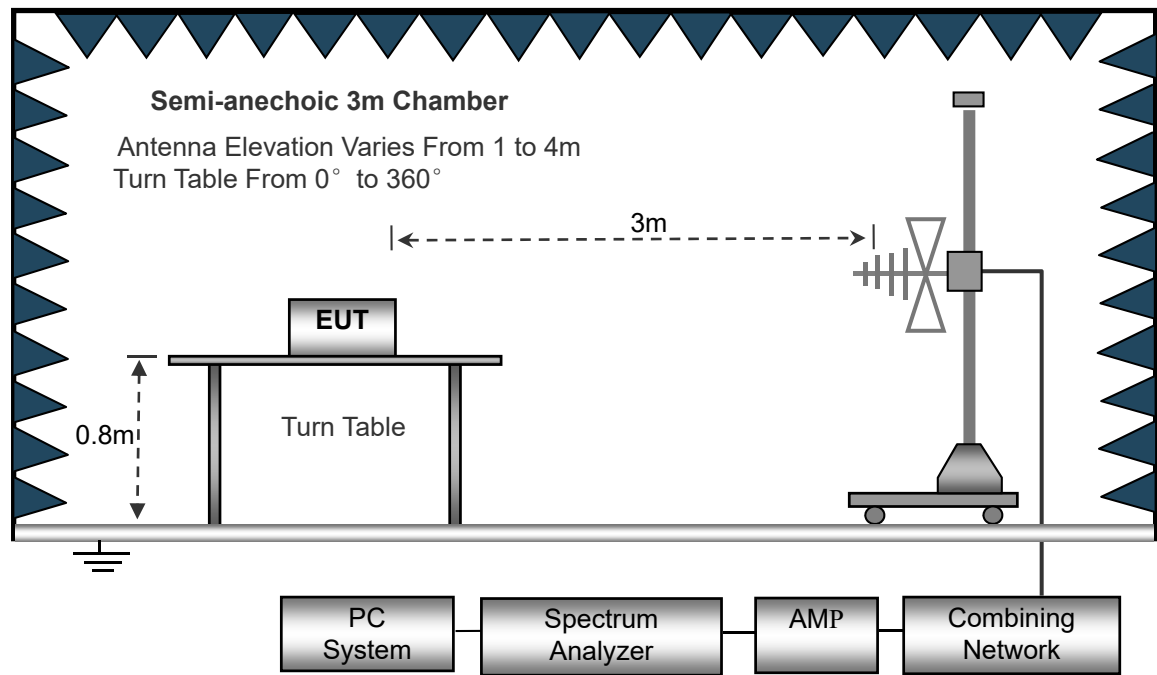
The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.209 Limit.

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

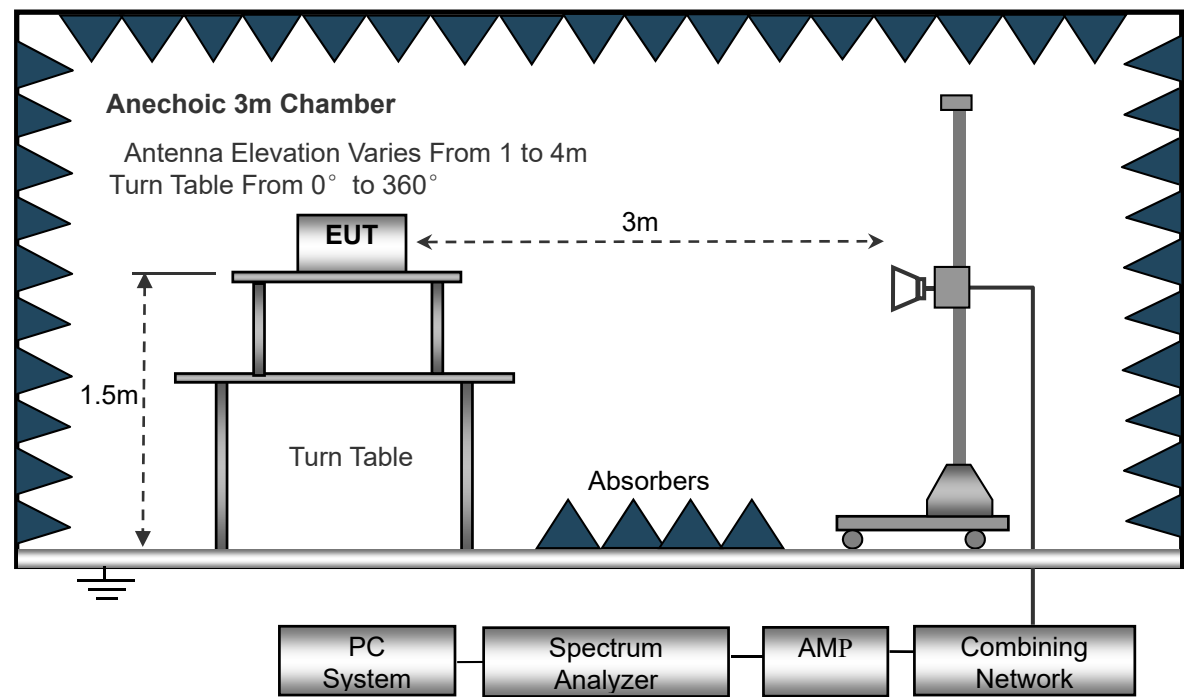
The test setup for emission measurement below 30MHz.



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



The test setup for emission measurement above 1GHz.



5.3 Test Receiver Setup

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

5.4 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 a Class B device. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Corr. Ampl.} - \text{FCC Part 15.209(a) Limit}$$

5.5 Environmental Conditions

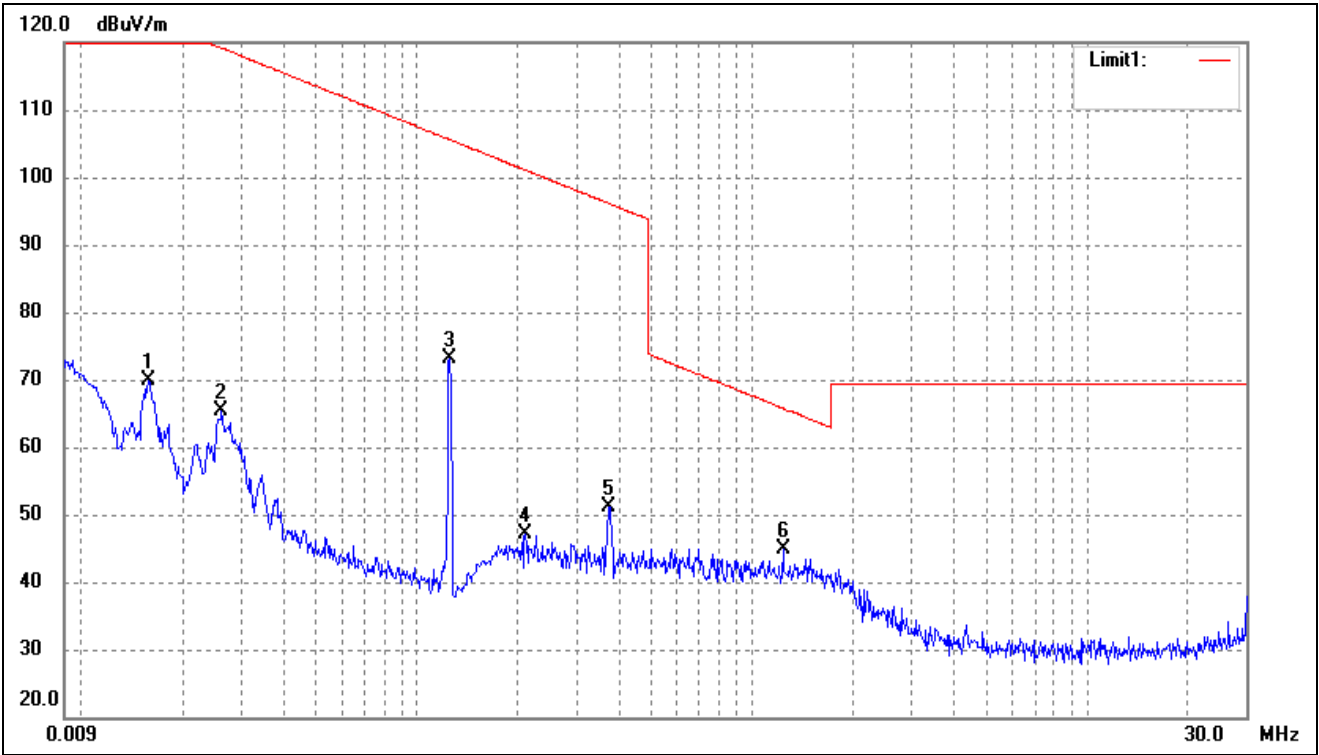
Temperature:	25 °C
Relative Humidity:	55 %
ATM Pressure:	1011 mbar

5.6 Summary of Test Results/Plots

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

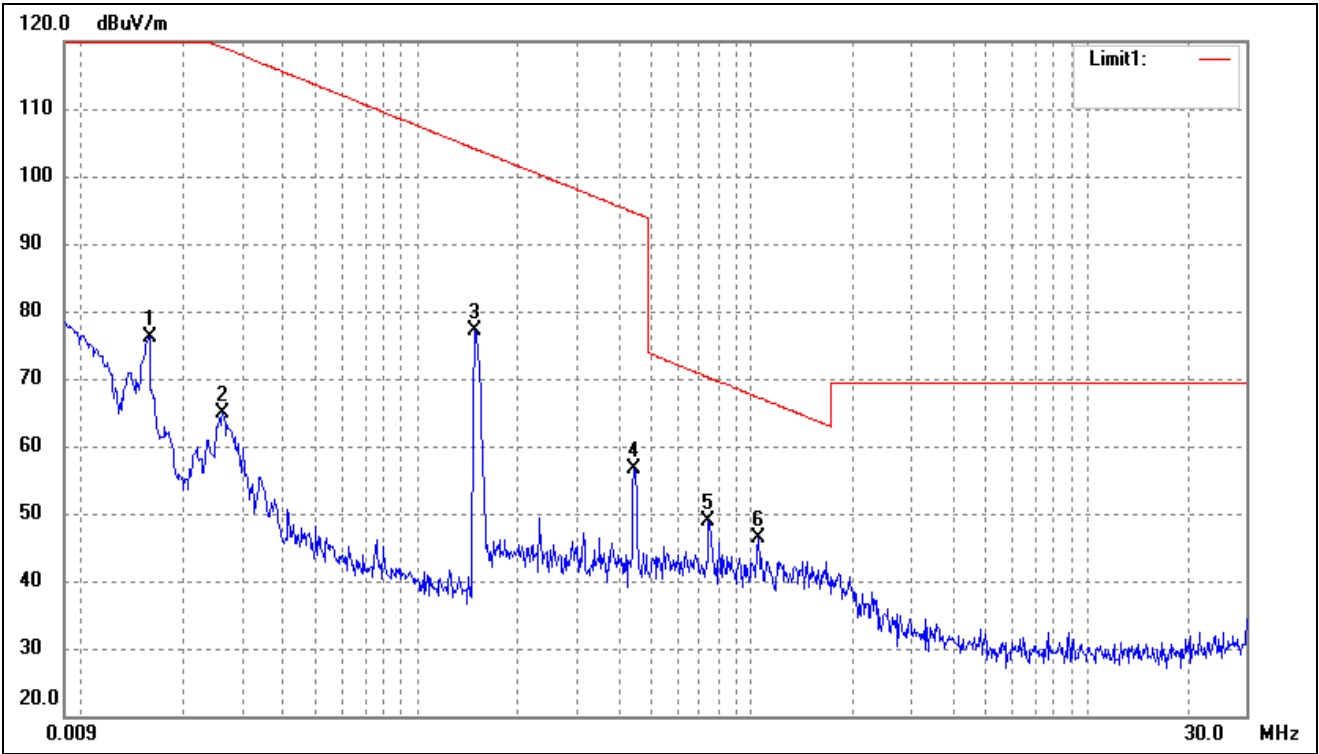
➤ Below 30MHz

Test mode:	TM1	Polarity:	Vertical
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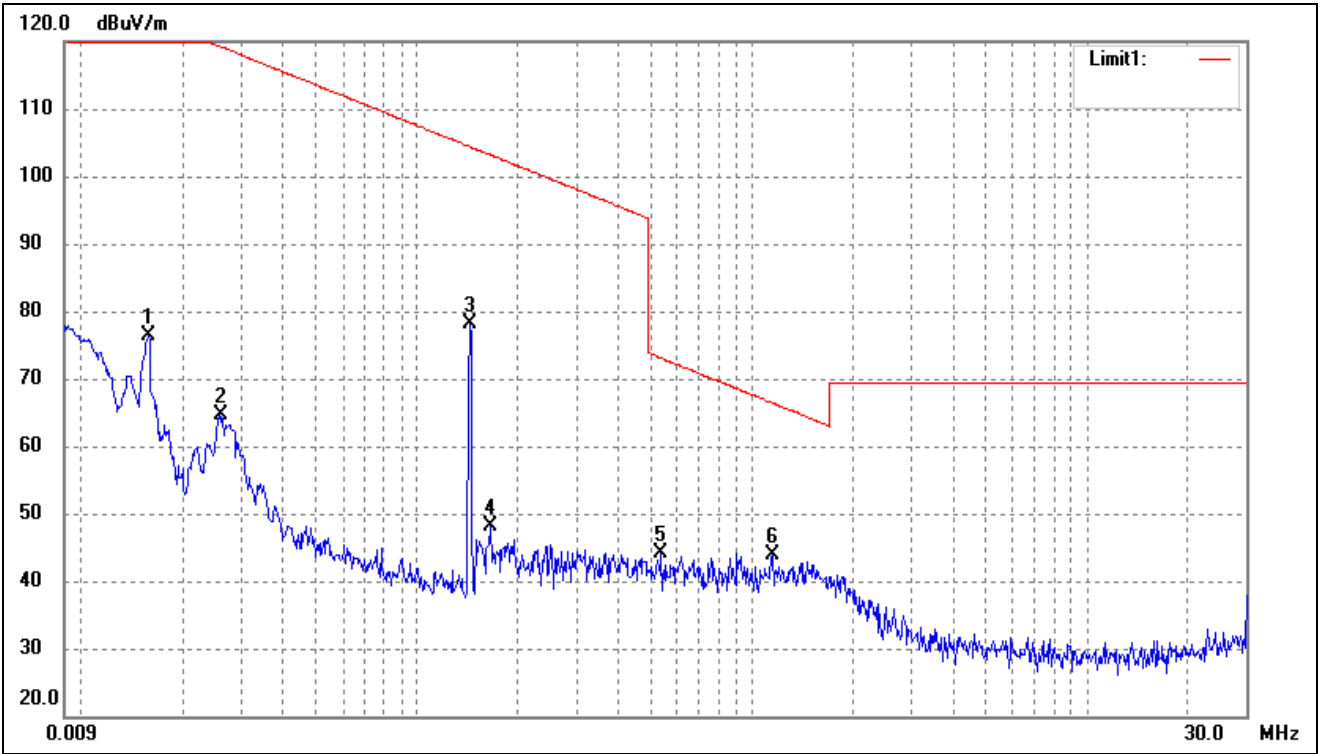
No.	Frequency (MHz)	Reading (dBuA)	Correct dB	Result (dBuA)	Limit (dBuA)	Margin (dB)	Degree ()	Height (cm)	Remark
1	0.0158	76.31	-6.52	69.79	123.53	-53.74	-	-	peak
2	0.0262	72.01	-6.71	65.30	119.15	-53.85	-	-	peak
3	0.1249	81.09	-7.95	73.14	105.63	-32.49	-	-	peak
4	0.2106	55.35	-8.12	47.23	101.11	-53.88	-	-	peak
5	0.3751	59.57	-8.34	51.23	96.11	-44.88	-	-	peak
6	1.2422	52.81	-7.93	44.88	65.74	-20.86	-	-	peak

Test mode:	TM2	Polarity:	Vertical
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No.	Frequency (MHz)	Reading (dBuA)	Correct dB	Result (dBuA)	Limit (dBuA)	Margin (dB)	Degree ()	Height (cm)	Remark
1	0.0159	82.70	-6.52	76.18	123.48	-47.30	-	-	peak
2	0.0263	71.67	-6.71	64.96	119.12	-54.16	-	-	peak
3	0.1491	85.08	-8.00	77.08	104.10	-27.02	-	-	peak
4	0.4444	64.86	-8.31	56.55	94.64	-38.09	-	-	peak
5	0.7430	56.96	-8.05	48.91	70.19	-21.28	-	-	peak
6	1.0430	54.21	-7.95	46.26	67.26	-21.00	-	-	peak

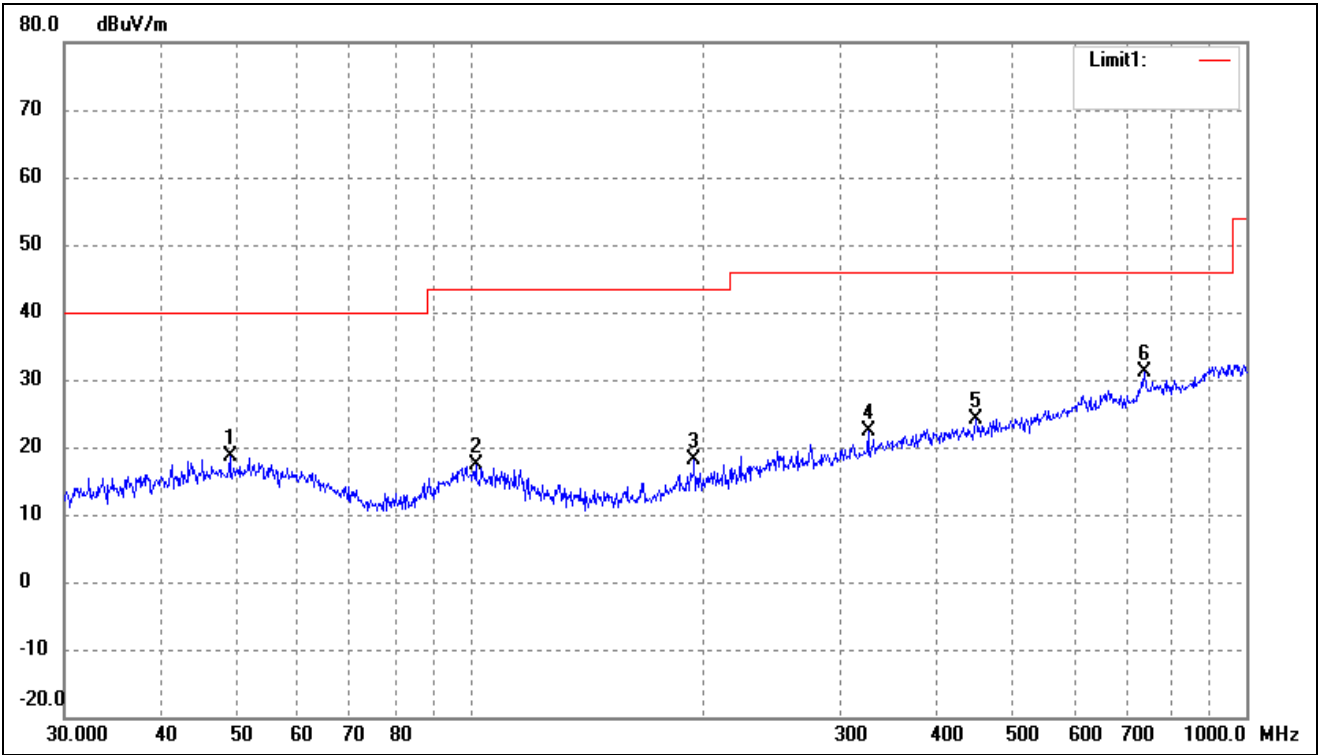
Test mode:	TM3	Polarity:	Vertical
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No.	Frequency (MHz)	Reading (dBuA)	Correct dB	Result (dBuA)	Limit (dBuA)	Margin (dB)	Degree ()	Height (cm)	Remark
1	0.0158	82.82	-6.52	76.30	123.53	-47.23	-	-	peak
2	0.0259	71.37	-6.71	64.66	119.25	-54.59	-	-	peak
3	0.1442	86.17	-7.99	78.18	104.39	-26.21	-	-	peak
4	0.1659	56.07	-8.03	48.04	103.17	-55.13	-	-	peak
5	0.5350	52.34	-8.25	44.09	73.04	-28.95	-	-	peak
6	1.1473	51.79	-7.94	43.85	66.43	-22.58	-	-	peak

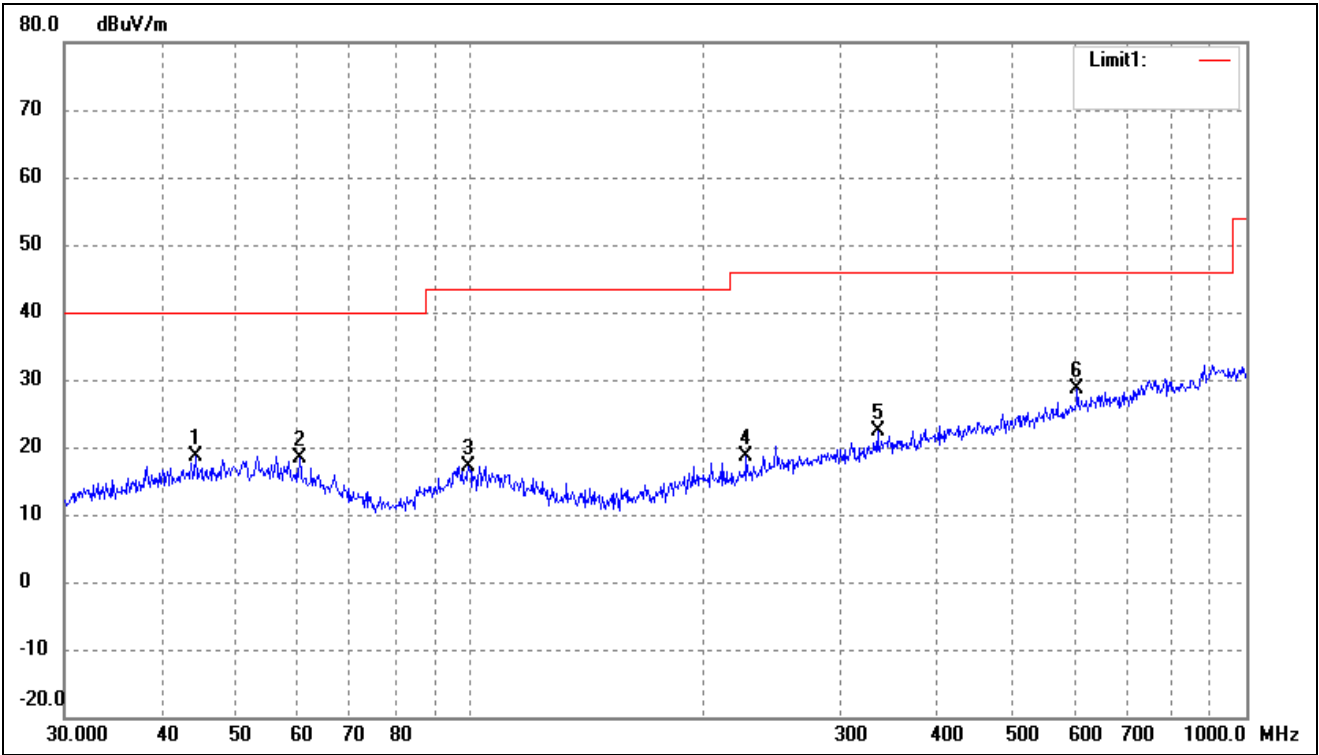
➤ 30MHz-1GHz

Test mode:	TM1	Polarity:	Horizontal
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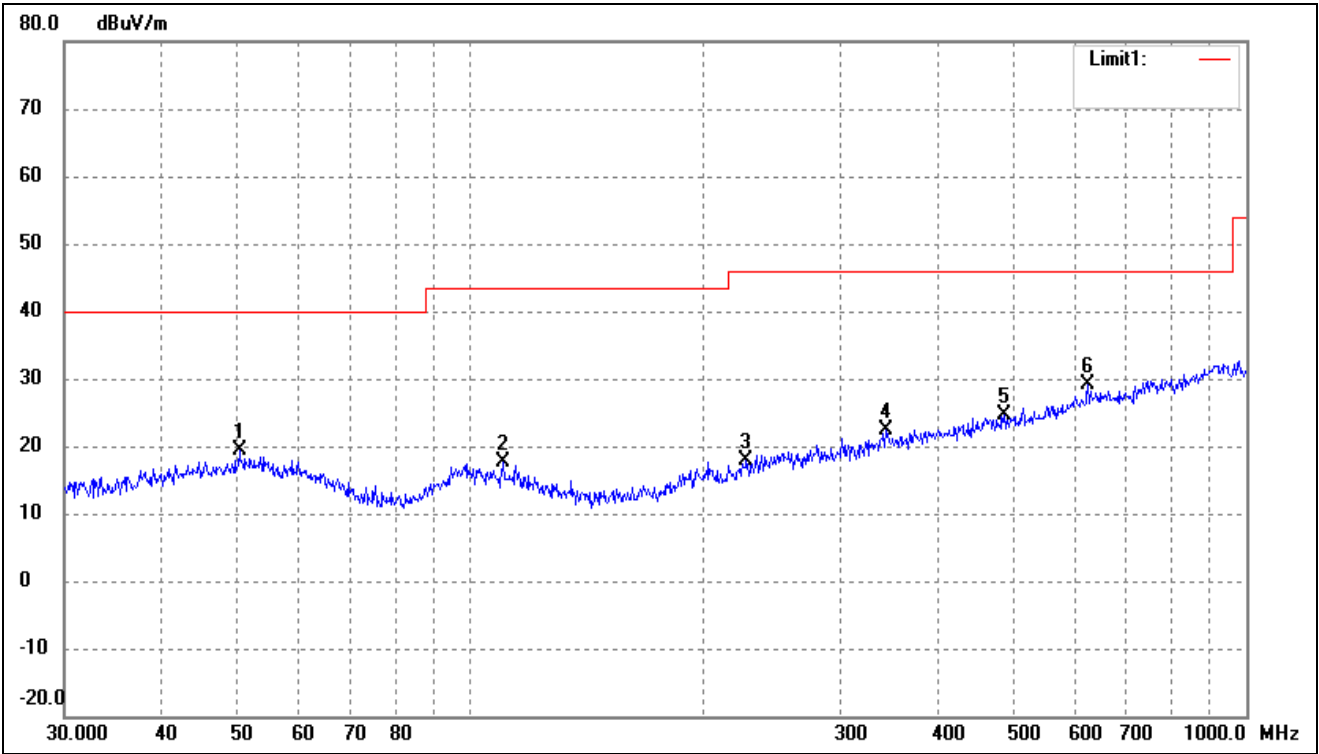
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	49.0145	26.86	-8.24	18.62	40.00	-21.38	-	-	peak
2	101.6443	26.61	-9.20	17.41	43.50	-26.09	-	-	peak
3	194.4534	27.18	-9.00	18.18	43.50	-25.32	-	-	peak
4	325.5958	27.46	-5.17	22.29	46.00	-23.71	-	-	peak
5	447.9822	27.22	-3.12	24.10	46.00	-21.90	-	-	peak
6	739.6604	53.48	-22.35	31.13	46.00	-14.87	-	-	peak

Test mode:	TM1	Polarity:	Vertical
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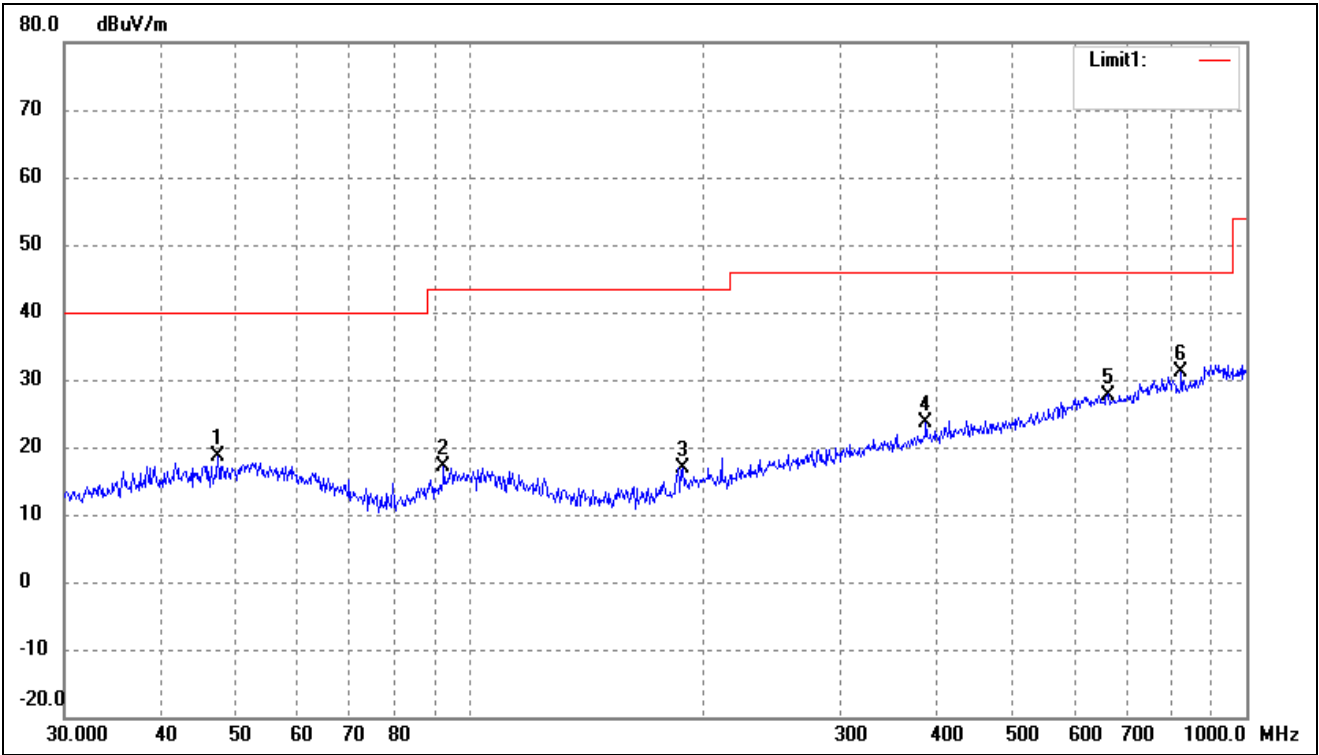
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	44.2752	27.45	-8.73	18.72	40.00	-21.28	-	-	peak
2	60.2801	27.68	-9.34	18.34	40.00	-21.66	-	-	peak
3	99.5281	26.52	-9.34	17.18	43.50	-26.32	-	-	peak
4	226.8936	26.54	-8.02	18.52	46.00	-27.48	-	-	peak
5	334.8589	27.09	-4.78	22.31	46.00	-23.69	-	-	peak
6	605.6592	28.47	0.26	28.73	46.00	-17.27	-	-	peak

Test mode:	TM2	Polarity:	Horizontal
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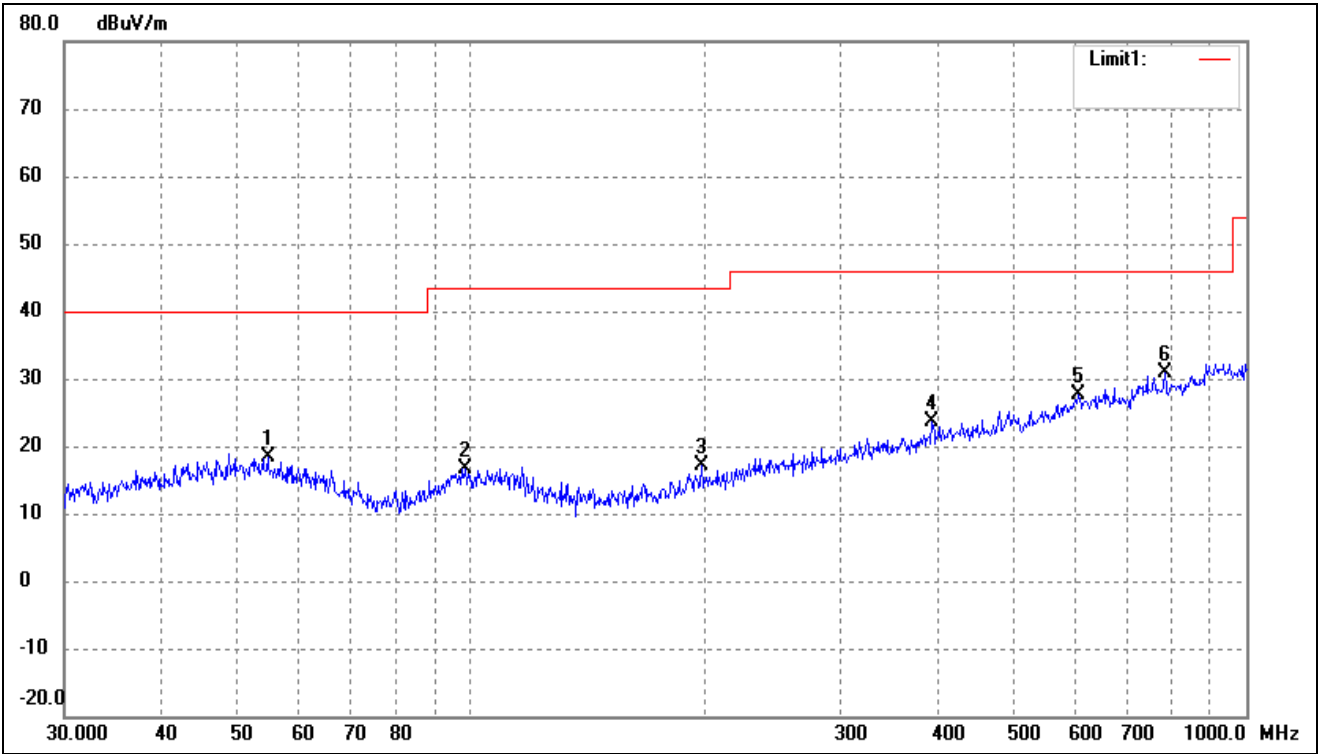
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	50.4089	27.57	-8.23	19.34	40.00	-20.66	-	-	peak
2	110.1816	27.11	-9.48	17.63	43.50	-25.87	-	-	peak
3	226.8936	25.95	-8.02	17.93	46.00	-28.07	-	-	peak
4	343.1800	26.85	-4.46	22.39	46.00	-23.61	-	-	peak
5	487.3151	27.02	-2.34	24.68	46.00	-21.32	-	-	peak
6	625.0780	28.91	0.25	29.16	46.00	-16.84	-	-	peak

Test mode:	TM2	Polarity:	Vertical
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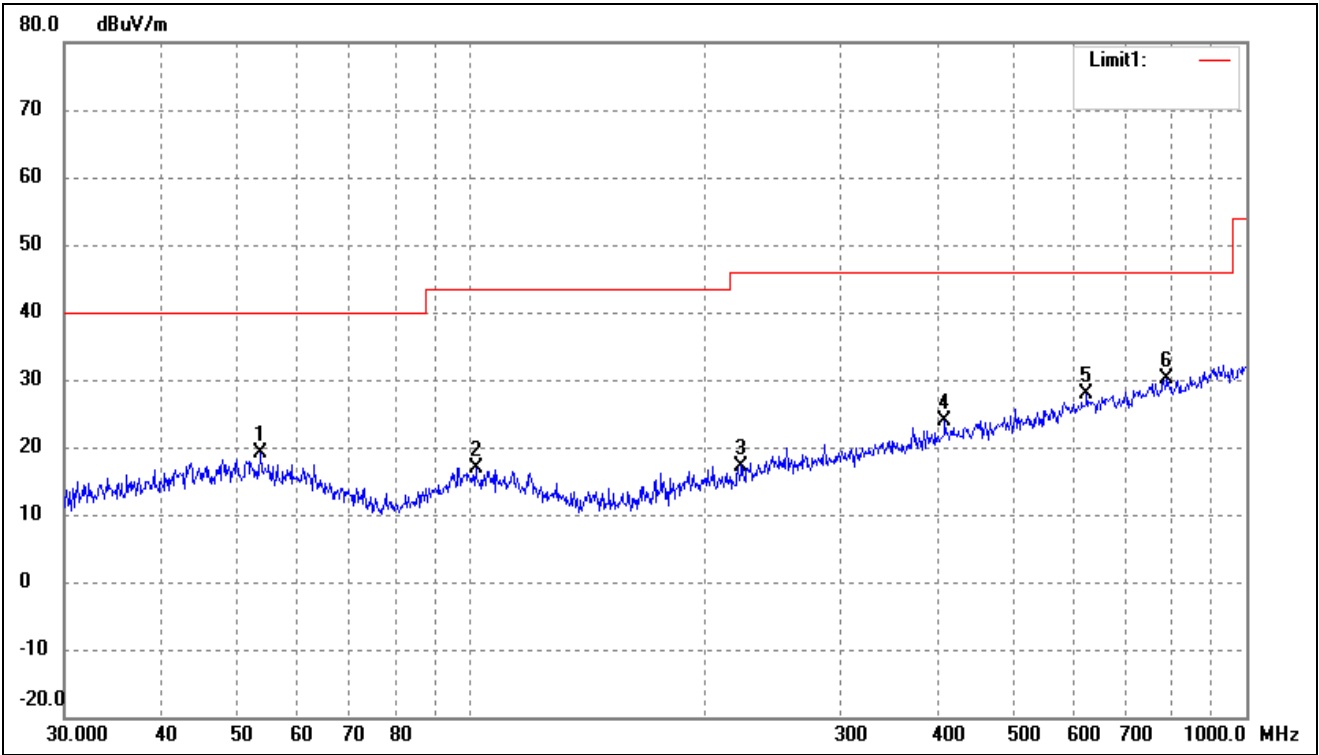
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	47.3255	27.08	-8.37	18.71	40.00	-21.29	-	-	peak
2	92.4624	27.93	-10.72	17.21	43.50	-26.29	-	-	peak
3	187.7530	26.51	-9.66	16.85	43.50	-26.65	-	-	peak
4	386.6338	27.61	-4.02	23.59	46.00	-22.41	-	-	peak
5	661.1505	26.87	0.79	27.66	46.00	-18.34	-	-	peak
6	824.5968	53.09	-21.93	31.16	46.00	-14.84	-	-	peak

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	54.8348	26.90	-8.44	18.46	40.00	-21.54	-	-	peak
2	98.4866	26.21	-9.48	16.73	43.50	-26.77	-	-	peak
3	198.5880	25.81	-8.80	17.01	43.50	-26.49	-	-	peak
4	393.4723	27.50	-3.86	23.64	46.00	-22.36	-	-	peak
5	607.7867	27.21	0.30	27.51	46.00	-18.49	-	-	peak
6	785.0935	52.93	-22.09	30.84	46.00	-15.16	-	-	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	53.6932	27.52	-8.35	19.17	40.00	-20.83	-	-	peak
2	101.6443	25.96	-9.20	16.76	43.50	-26.74	-	-	peak
3	223.7334	25.47	-8.22	17.25	46.00	-28.75	-	-	peak
4	408.9460	27.24	-3.44	23.80	46.00	-22.20	-	-	peak
5	622.8900	27.62	0.23	27.85	46.00	-18.15	-	-	peak
6	790.6188	52.13	-22.07	30.06	46.00	-15.94	-	-	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.

6. Occupied Bandwidth

6.1 Standard Applicable

According to 15.215,20dB emission bandwidth.

6.2 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.

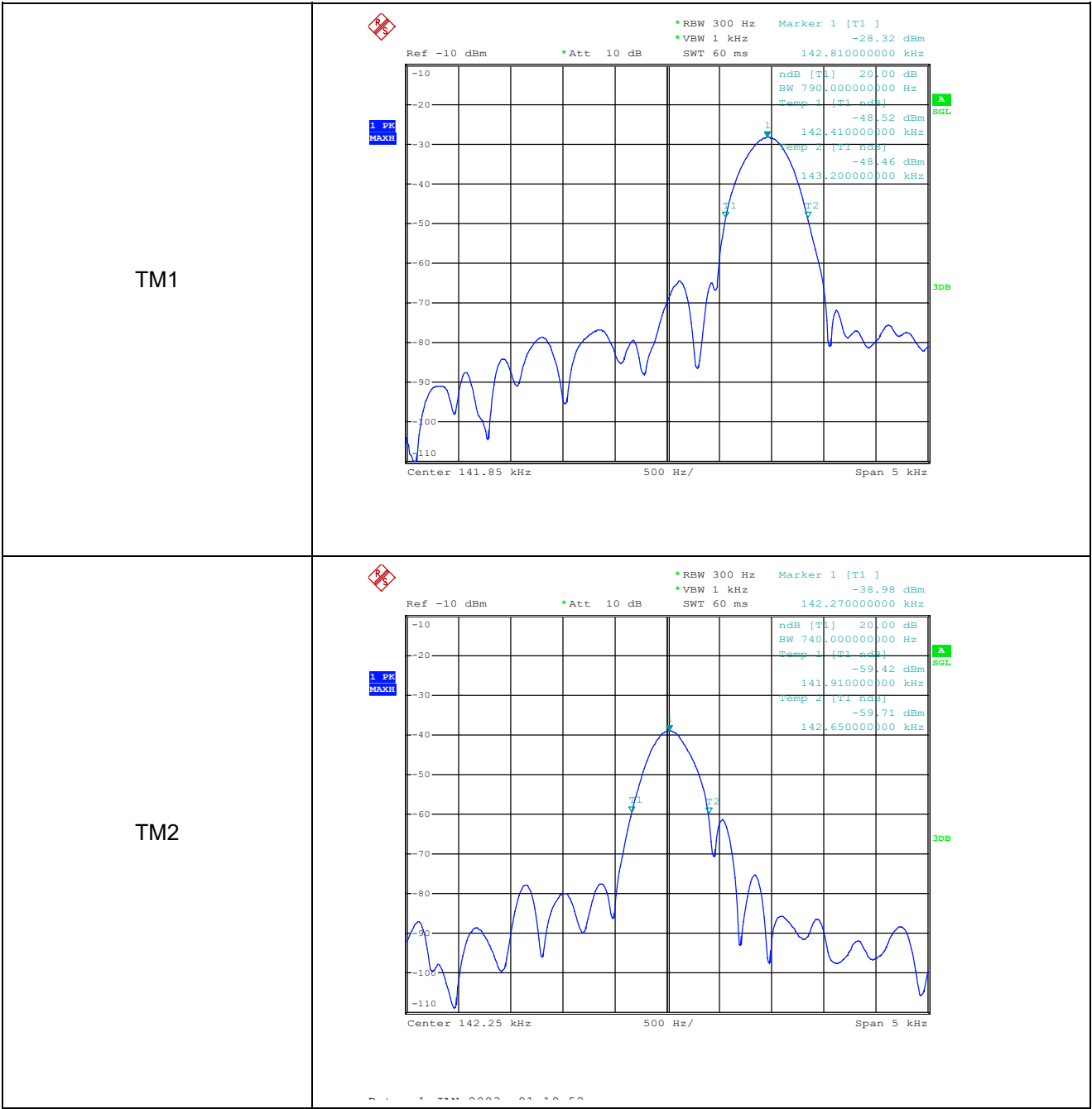
6.3 Environmental Conditions

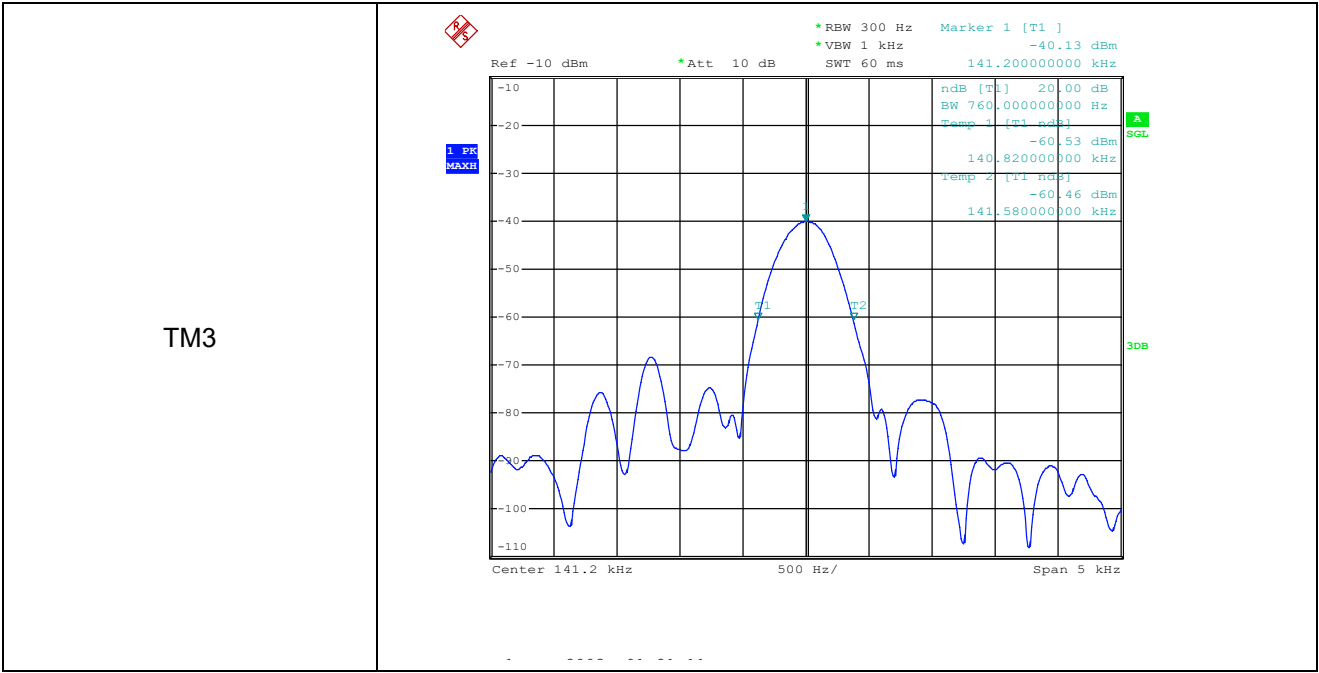
Temperature:	25 °C
Relative Humidity:	53%
ATM Pressure:	1018 mbar

6.4 Summary of Test Results/Plots

Test mode	Test Channel(kHz)	20dB Bandwidth(Hz)
TM1	141.85	790
TM2	142.25	740
TM3	141.20	760

Please refer to the attached plots.





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

APPENDIX PHOTOGRAPHS

Please refer to “ANNEX”

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