

TEST REPORT

Radio Frequency Devices-Intentional Radiators

for

Products Name: POWER TUBE MagStation wireless charging stand

Model No.: BS300

FCC ID: 2BXO7-BS300

Report No.: SST2608E008

Issued Date: 2026-8-3

Issued for

Dongguan Zutelong Trading Co., Ltd.

Room 306, Building 2, No. 11, Hengxi 6th Road, Hengkeng, Liaobu Town, Dongguan City, Guangdong Province, China

Issued by

DONGGUAN QIYANG TESTING TECHNOLOGY CO., LTD.

Room 101-1, Building 1, No. 19, Tianxin Butterfly 1st Road, Huangjiang, Dongguan, Guangdong, China

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1. Basic Introduction

Applicant's name..... :	Dongguan Zutelong Trading Co., Ltd.	
Address	Room 306, Building 2, No. 11, Hengxi 6th Road, Hengkeng, Liaobu Town, Dongguan City, Guangdong Province, China	
Manufacturer's name	Shenzhen Langya Electronics Co., Ltd. (MIPOW Ecosystem Enterprise)	
Address	3rd Floor, Building 6, Lijincheng Industrial Park, Yousong Community, Longhua Subdistrict, Longhua District, Shenzhen, china	
Factory name	Dongguan Zutelong Trading Co., Ltd.	
Address	Room 306, Building 2, No. 11, Hengxi 6th Road, Hengkeng, Liaobu Town, Dongguan City, Guangdong Province, China	
Products Name..... :	POWER TUBE MagStation wireless charging stand	
Model No..... :	BS300	
Trade Mark	N/A	
Rating(s)..... :	Input: DC 5V/2A or 9V/3A by external power supply Wireless Output: 15W+5W	
Date of sample receipt..... :	2026-6-29	
Date of Test..... :	2026-6-29~2026-8-3	
Standard(s)	FCC 47 CFR Part 15 Subpart C ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024	
Tested by (+signature)..... :	Connor Ma	
Check by (+signature)..... :	Davis Zhou	
Approved by (+signature).... :	Tiger Chen	



2. General description

2.1. EUT description

Products Name	POWER TUBE MagStation wireless charging stand	
Model No.	BS300	
Rating(s)	Input: DC 5V/2A or 9V/3A by external power supply Wireless Output: 15W+5W	
SN:	26062610-2	
Software version.....	/	
Hardware version	/	
Operation frequency	115kHz~205kHz	
Modulation technology	ASK	
Antenna type	Coil Antenna	
EUT cable description	Name	Description
	Charging cable	☐ Shielded ☒ Unshielded ☒ Detachable ☐ Un-detachable ☐ No applicable ☒ Length: 1m

2.2. Serial model(s) and model difference

Main model(s)	BS300
Serial model(s)	/
Model difference	/

2.3. Auxiliary equipment

Support equipment list			
Description	Manufacturer	Model No.	Serial No.
Adapter	Lenovo	XXC100G	/
Load	YBZ	EPP15	/
Support cable list			
Description	Specified length(m)	Shielded	Unshielded
/	/	/	/

2.4. Description of test modes

Prescan Operating Mode

No.	Detailed description of the operating mode	Test voltage
1	Wireless output 1(15W)	AC 120V
2	Wireless output 2(5W)	AC 120V
3	Wireless output 1+2(15W+5W)	AC 120V

2.5.Test environmental conditions

The climatic conditions during the tests are within the limits specified by the manufacturer for the operation of the EUT and the test equipment.

The climatic conditions during the tests were within the following limits:

Ambient temperature	Relative humidity	Atmospheric pressure
15 °C ~ 35 °C	30 % ~ 60 %	86 kPa ~ 106 kPa

If explicitly required in the basic standard or applied product standard the climatic values are recorded and documented separately in this test report.

2.6.Statement of Measurement Uncertainty

Test Item	Uncertainty
Uncertainty for Conducted emissions	3.31 dB
Uncertainty for Radiated emission (9 kHz to 30 MHz)	3.1 dB
Uncertainty for Radiated emission (30 MHz to 1 GHz)	4.53 dB
Uncertainty for Radiated emission (above 1 GHz)	4.80 dB
RF power, conducted	1.08 dB
Power Spectral Density, Conducted	1.46 dB
Spurious Emissions, Conducted	2.94 dB
Occupied bandwidth	57.74 kHz
Measurement Uncertainty Decision Rule Determination of conformity with the specification limits is based on the decision rule according to IEC Guide 115: 2023, clause 4.3.3 and 4.3.4.	

2.7.Report modification record

Report No.	Issue Date	Description
SST2608E008	2026-8-3	Original Report

2.8.Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

A2LA	Certificate No.:7057.01
FCC	Designation Number: CN1432
	Test Firm Registration Number: 640253
IC	Company Number: 30419
	CAB identifier: CN0154
CNAS	Registration No.: L17883
Location	DONGGUAN QIYANG TESTING TECHNOLOGY CO., LTD. Room 101-1, Building 1, No. 19, Tianxin Butterfly 1st Road, Huangjiang, Dongguan, Guangdong, China

2.9.Other information

The laboratory responsible for all the information provided in the report, except those information provided by the applicant.

The applicant shall fully responsible for the information they provided.

The report would be invalid without a stamp of test laboratory and the signatures of compiler and approver.

The laboratory has not been responsible for the sampling stage; the test report merely corresponds to the test sample received.

Any objection to the test report shall submitted to the test laboratory within 15 days from the date of receipt of the report.

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

2.10. Addition Instructions

Test Software	/
Power level setup	default

3. Verdict summary section

FCC 47 CFR PART 15 Subpart C		
Requirement – Test case	Basic standard	Verdict
Antenna requirement	FCC part 15.203	Pass
AC Power Line Conducted Emission	FCC part 15.207	Pass
20dB Bandwidth	FCC part 15.215	Pass
Radiated Spurious Emission	FCC part 15.209	Pass
Field Strength of The Fundamental Signal	FCC part 15.209	Pass

Test case verdicts	
- Test case does not apply to the test object	N/A
- Test object does meet the requirement.....	P (Pass)
- Test object does not meet the requirement.....	F (Fail)

4. List of Test Equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal. cycle	Cal. Due
Conducted emissions					
EMI Test Receiver	R&S	ESR3	103057	1 year	2027/04/09
LISN	R&S	ENV 216	102832	1 year	2027/04/09
Test Software	Farad	EZ-EMC	3A1.6	/	/
Radiated emissions					
Loop Antenna	Schwarzbeck	FMZB 1513-60B	1513-60B 044	1 year	2027/04/10
Broadband Antenna	Schwarzbeck	VULB 9162	00556	1 year	2027/04/10
Horn Antenna	Schwarzbeck	BBHA 9120 D	02783	1 year	2027/04/10
Horn Antenna	Schwarzbeck	BBHA9170	01306	1 year	2027/04/10
EMI Test Receiver	R&S	ESU8	100372	1 year	2027/04/10
Spectrum Analyzer	R&S	FSV40-N	101791	1 year	2027/04/10
Amplifier	Schwarzbeck	BBV 9744	00327	1 year	2027/04/10
Amplifier	TSTPASS	LNA10180G45	TSAM2303003	1 year	2027/04/13
Amplifier	RF system	TRLA-180400G45B	23060801	1 year	2027/04/13
3m Anechoic Chamber	BOST	966	/	3 year	2029/04/10
Test Software	Farad	EZ-EMC	3A1.1+	/	/
RF conducted					
Spectrum Analyzer	keysight	N9020A	MY51280659	1 year	2027/04/09
Signal Generator	Agilent	N5181A	MY48180054	1 year	2027/04/09
Signal Generator	keysight	N5172B	MY57281610	1 year	2027/04/09
Spectrum Analyzer	R&S	FSV40-N	101791	1 year	2027/04/09
Wideband Radio Communication Tester	R&S	CMW500	123123	1 year	2027/04/09
RF Switch Box	TST PASS	TST V2	/	1 year	2027/04/09
Test Software	TST PASS	TST PASS	V2.0	/	/
Temperature and humidity chamber	Guangdong fenghe	FH-TH-1000	FH24032017	1 year	2027/04/09

5. Technical Requirement and Measurement Data

5.1. Generally requirement

Antenna requirement:**§15.203 requirement:**

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, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

EUT Antenna:

The antenna is Coil antenna which is permanently attached, Reference to the appendix for details

5.2. Conducted emissions

5.2.1. Limits

Frequency (MHz)	Quasi-peak	Average
0.15 to 0.5	66 to 56	56 to 46
0.5 to 5	56	46
5 to 30	60	50

5.2.2. Test method

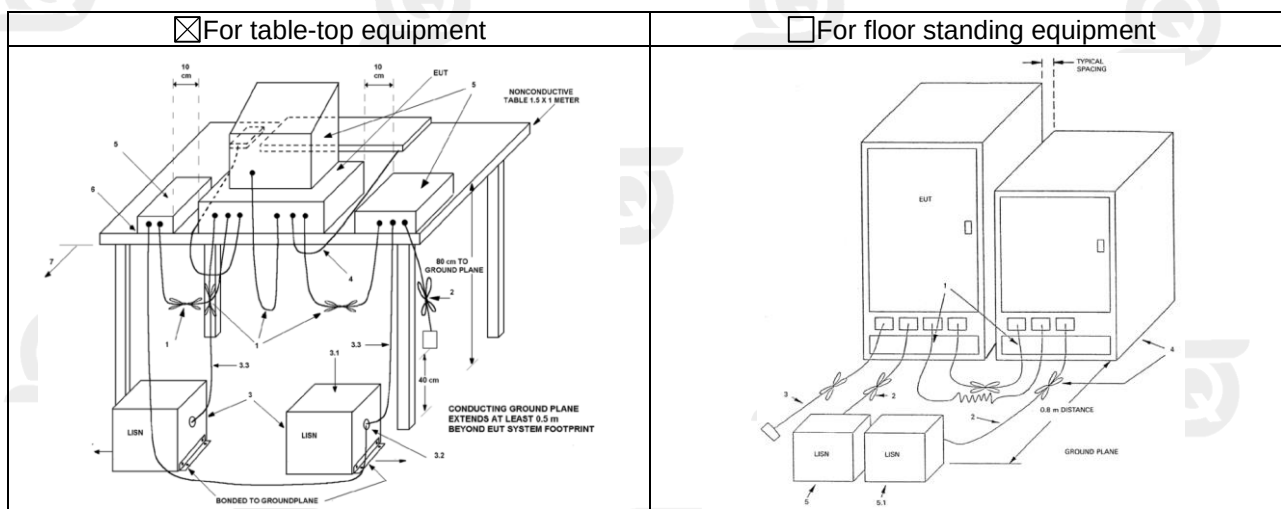
The measurement was performed in a shield room.

Measured levels of ac power-line conducted emission shall be the radio-noise voltage from the voltage probe, where permitted, or across the 50 Ω LISN port (to which the EUT is connected), as terminated into a 50 Ω EMI receiver or spectrum analyzer. All radio-noise voltage and current measurements shall be made on each current-carrying conductor at the plug end of the EUT power cord or calibrated extension cord by the use of mating plugs and receptacles on the EUT and LISN, if used. The manufacturer shall test equipment with power cords that are normally supplied or recommended by the manufacturer and that have electrical and shielding characteristics that are the same as those cords normally supplied or recommended. For measurements using a LISN, the 50 Ω measuring port is terminated into a 50 Ω EMI receiver or spectrum analyzer. All other ports are terminated into 50 Ω loads.

Table top devices shall be placed on a platform of nominal size 1 m by 1.5 m, raised 80 cm above the reference ground plane. The vertical conducting plane or wall of an RF-shielded (screened) room shall be located 40 cm to the rear of the EUT. Floor-standing devices shall be placed either directly on the reference ground-plane or on insulating material as described in ANSI C63.4. All other surfaces of tabletop or floor-standing EUTs shall be at least 80 cm from any other grounded conducting surface, including the case or cases of one or more LISNs.

The bandwidth of the test receiver is set at 9 kHz.

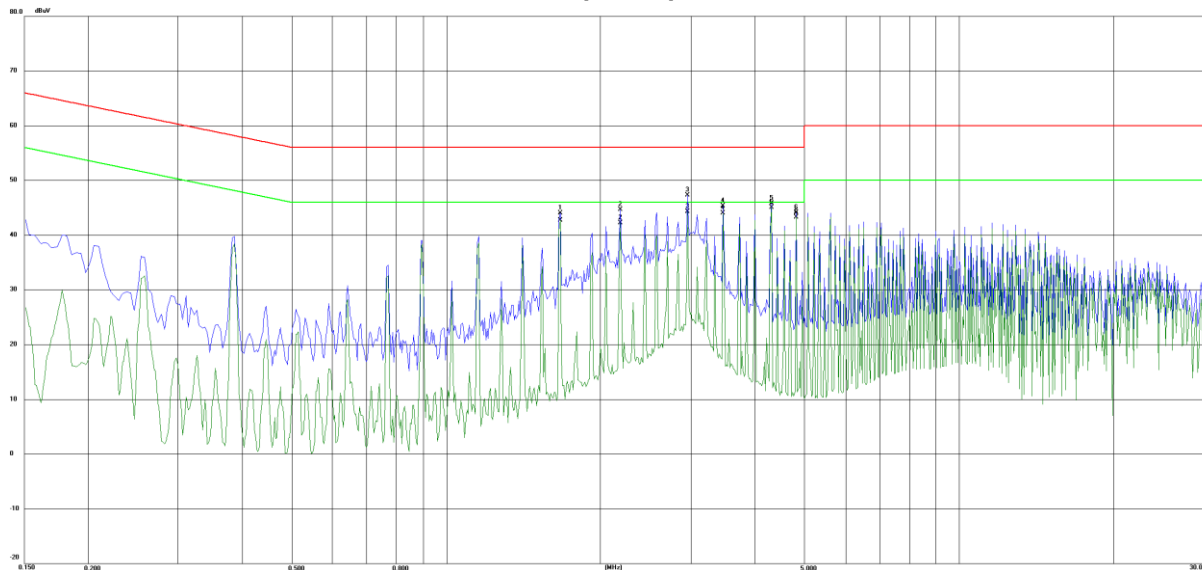
5.2.3. Block diagram of test setup



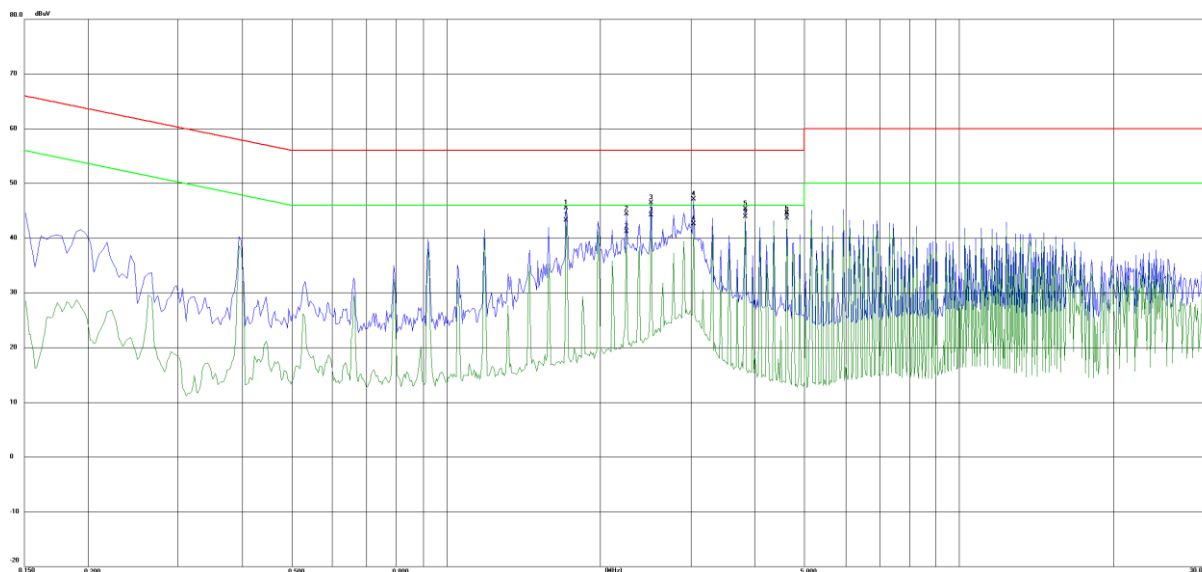
5.2.4. Test information

Ambient temperature:	26.4 °C
Relative humidity:	47 %
EUT operation mode:	Mode 1
Test results:	Pass
Remark:	Correct Factor Value = Attenuator Factor + Cable Loss + LISN Factor Measurement Value = Reading Level Value + Correct Factor Value Over Value = Measurement Value - Limit Value Only the worst case report

Measurement data and Graphical presentation of the result



No.	Frequency (MHz)	QP Value (dBuV)	QP Limit (dBuV)	QP Margin (dB)	AVG Value (dBuV)	AVG Limit (dBuV)	AVG Margin (dB)	Result	Line
1	1.666	44.03	56.00	-11.97	42.72	46.00	-3.28	Pass	Neutral
2	2.182	44.72	56.00	-11.28	42.22	46.00	-3.78	Pass	Neutral
3	2.954	47.31	56.00	-8.69	44.31	46.00	-1.69	Pass	Neutral
4	3.466	45.35	56.00	-10.65	43.98	46.00	-2.02	Pass	Neutral
5	4.294	45.76	56.00	-10.24	45.10	46.00	-0.90	Pass	Neutral
6	4.814	44.11	56.00	-11.89	43.31	46.00	-2.69	Pass	Neutral



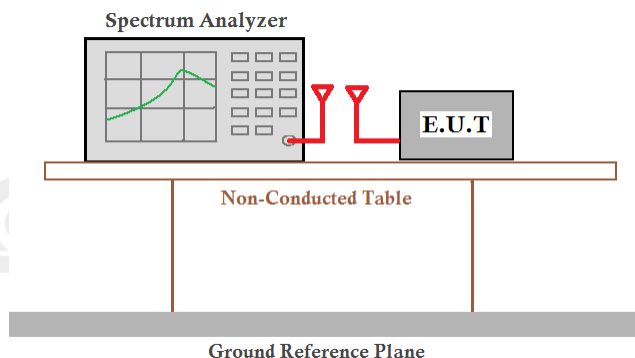
No.	Frequency (MHz)	QP Value (dBuV)	QP Limit (dBuV)	QP Margin (dB)	AVG Value (dBuV)	AVG Limit (dBuV)	AVG Margin (dB)	Result	Line
1	1.714	45.50	56.00	-10.50	43.26	46.00	-2.74	Pass	Line 1
2	2.242	44.36	56.00	-11.64	41.23	46.00	-4.77	Pass	Line 1
3	2.506	46.45	56.00	-9.55	44.22	46.00	-1.78	Pass	Line 1
4	3.034	47.14	56.00	-8.86	42.62	46.00	-3.38	Pass	Line 1
5	3.826	45.38	56.00	-10.62	43.93	46.00	-2.07	Pass	Line 1
6	4.614	44.63	56.00	-11.37	43.65	46.00	-2.35	Pass	Line 1

5.3. Bandwidth

Limit

the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

Block diagram of Test Setup



Test Instrument

Refer to section 4 for details

Test Procedures

1. Set to the maximum power setting and enable the EUT transmit continuously.
2. Use the following spectrum analyzer settings for 20dB Bandwidth measurement.
Span = approximately 2 to 5 times the 20 dB bandwidth, centered on a hopping channel; $1\% \leq RBW \leq 5\%$ of the 20 dB bandwidth; $VBW \geq 3RBW$;
Sweep = auto; Detector function = peak; Trace = max hold.
3. Measure and record the results in the test report.

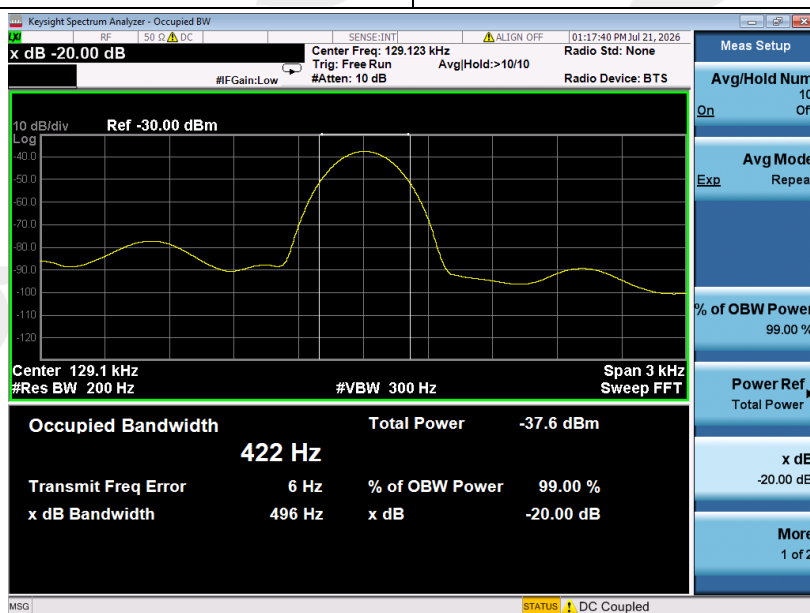
Verdict

Pass

Measurement Data:

-20dB bandwidth: 496Hz

99% bandwidth: 422Hz



Remark: The CW signal varies with the change of RBW, and it fails to meet the requirements of RBW ranging from 1% to 5%.

5.4. Radiated emissions

5.4.1. Limits

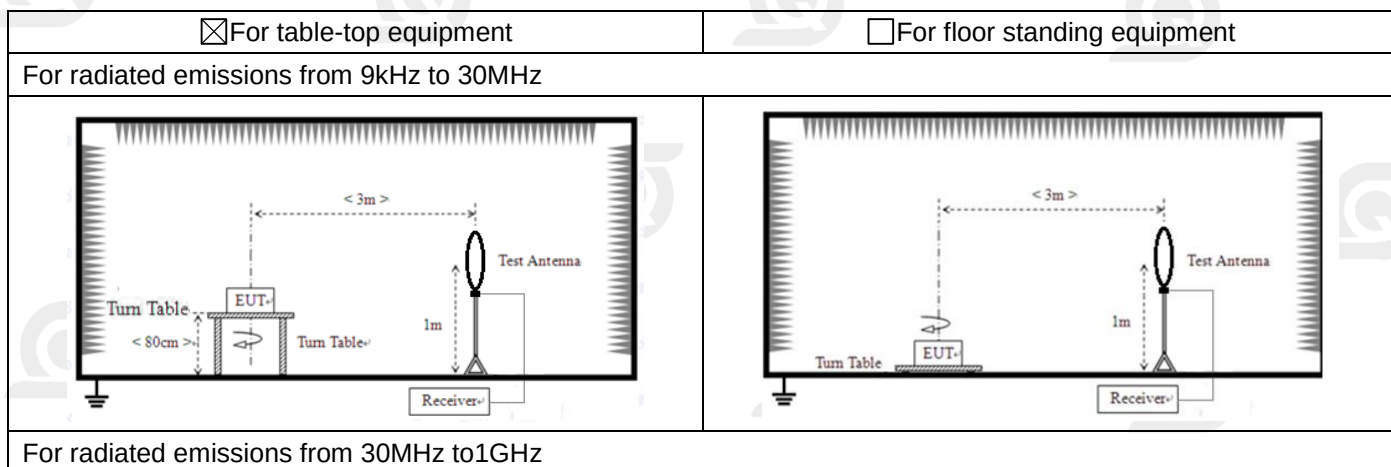
Frequency (MHz)	Field Strength(microvolts/meter)	Measurement distance(meters)
0.009~0.49	2400/F(kHz)	300
0.49~1.705	24000/F(kHz)	30
1.705~30	30	30
30~88	100**	3
88~216	150**	3
216~960	200**	3
Above 960	500	3

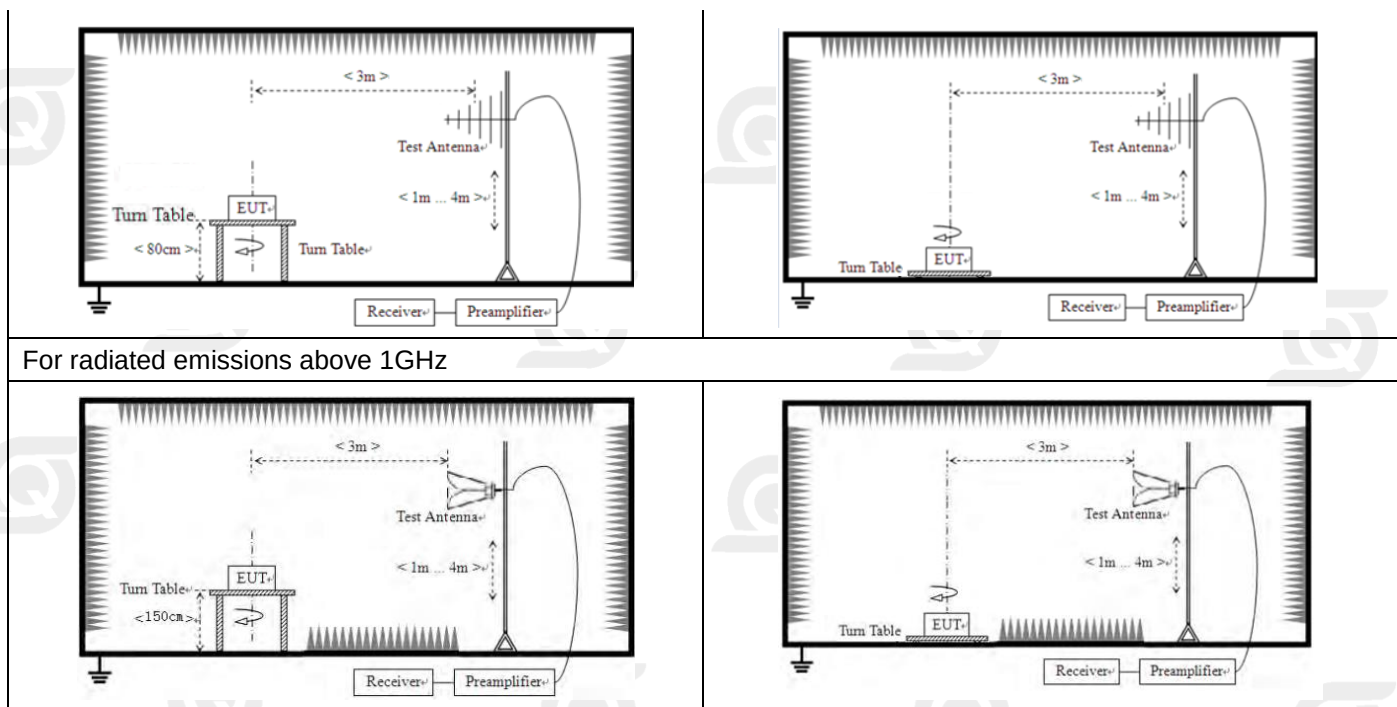
** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54–72 MHz, 76–88 MHz, 174–216 MHz or 470–806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.

5.4.2. Test method

Measurements were made in semi-anechoic chamber or Open Area Test Site that complies to CISPR 16. Preliminary (peak) measurements. The EUT was rotated 360° about its azimuth with the receive antenna located at various heights in horizontal and vertical polarities. Final measurements (quasi-peak detector below 1 GHz and average detector above 1 GHz) were then performed by rotating the EUT 360° and adjusting the receive antenna height from 1 to 4 m. All frequencies were investigated in both horizontal and vertical antenna polarity, where applicable.

5.4.3. Block diagram of test setup



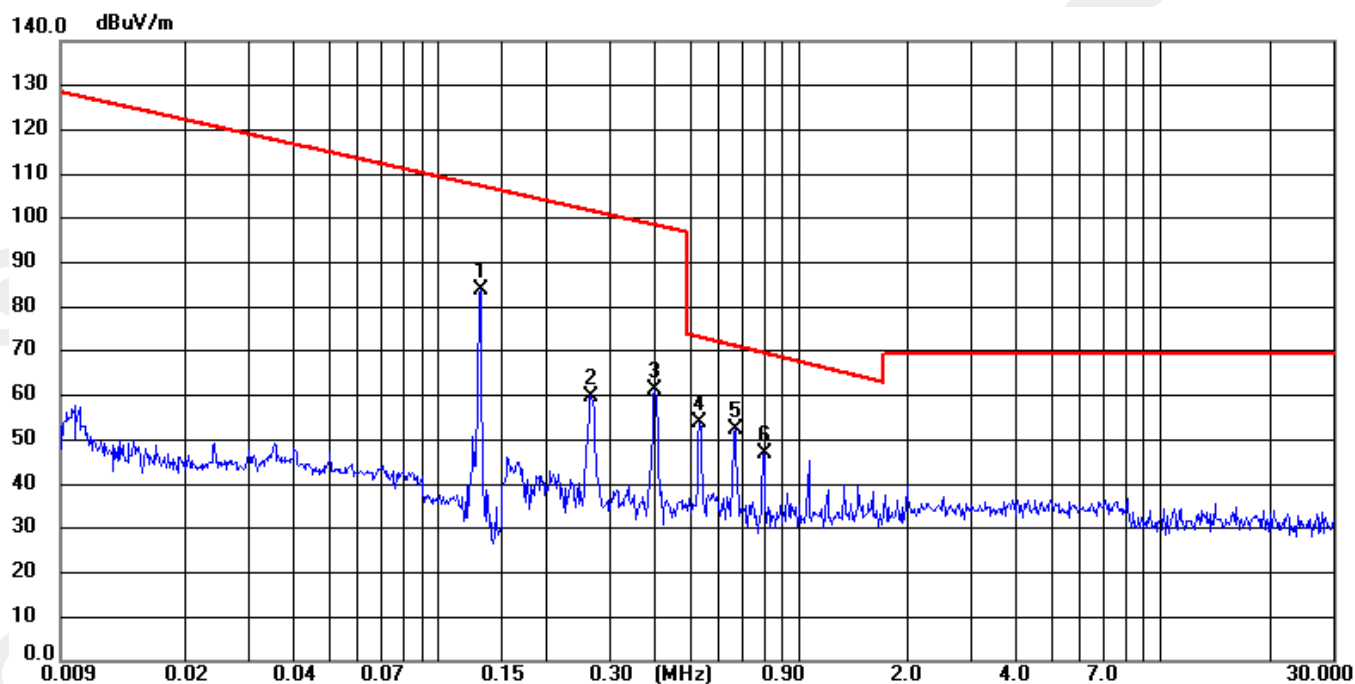


5.4.4. Test information

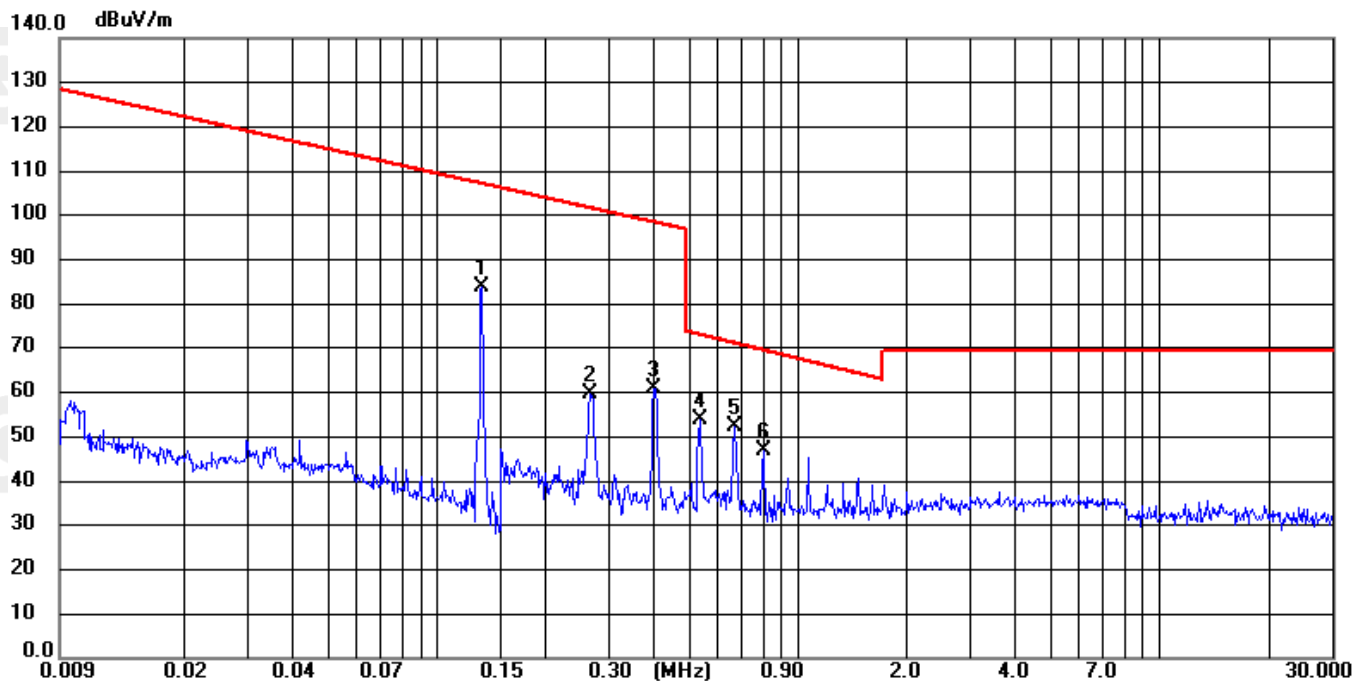
Ambient temperature:	24.5 °C
Relative humidity:	46 %
EUT operation mode:	Mode 1
Test results:	Pass
Remark:	Factor Value = Antenna Factor + Cable Loss - Preamplifier Factor Level Value = Reading Value + Factor Value Margin Value = Level Value - Limit Value

Measurement data and Graphical presentation of the result

TM1:

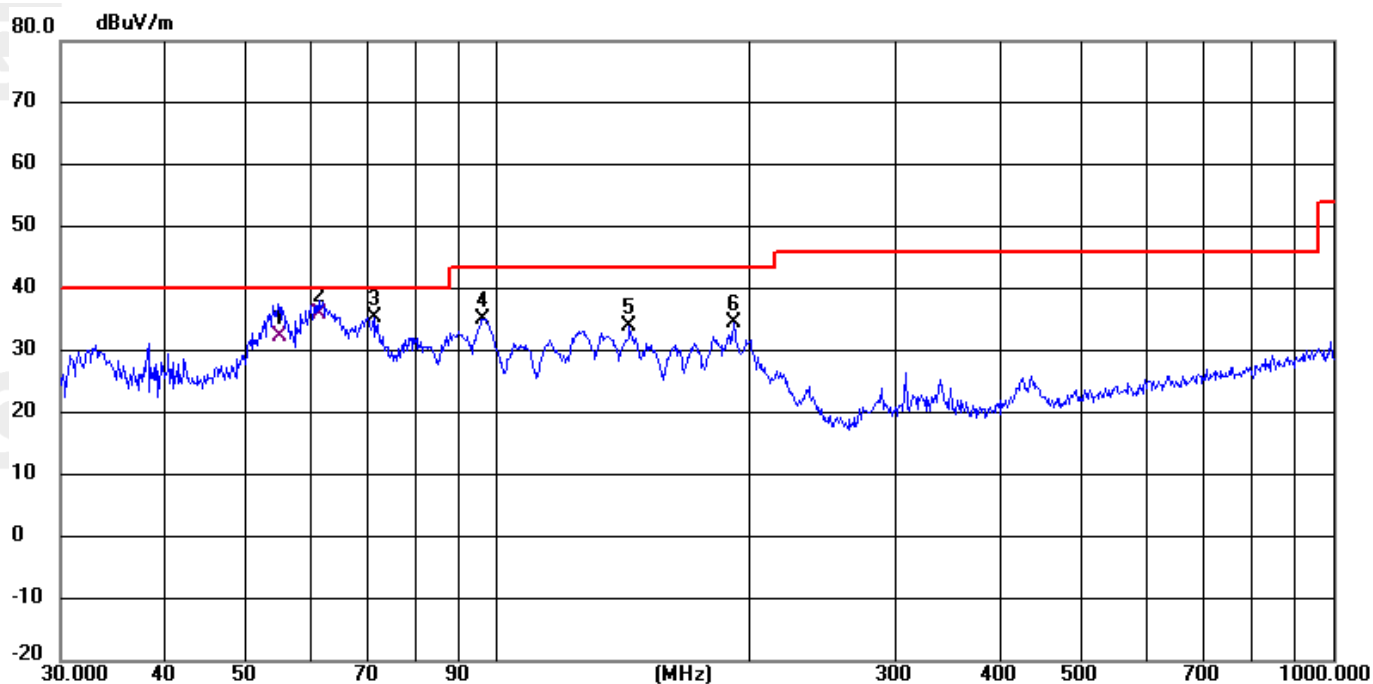


No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	0.131	63.96	19.73	83.69	107.26	-23.57	peak	Coaxial
2	0.265	40.00	19.85	59.85	101.68	-41.83	peak	Coaxial
3	0.398	40.99	20.09	61.08	98.45	-37.37	peak	Coaxial
4	0.528	33.69	20.29	53.98	73.15	-19.17	peak	Coaxial
5 *	0.663	32.00	20.32	52.32	71.17	-18.85	peak	Coaxial
6	0.799	26.47	20.36	46.83	69.55	-22.72	peak	Coaxial

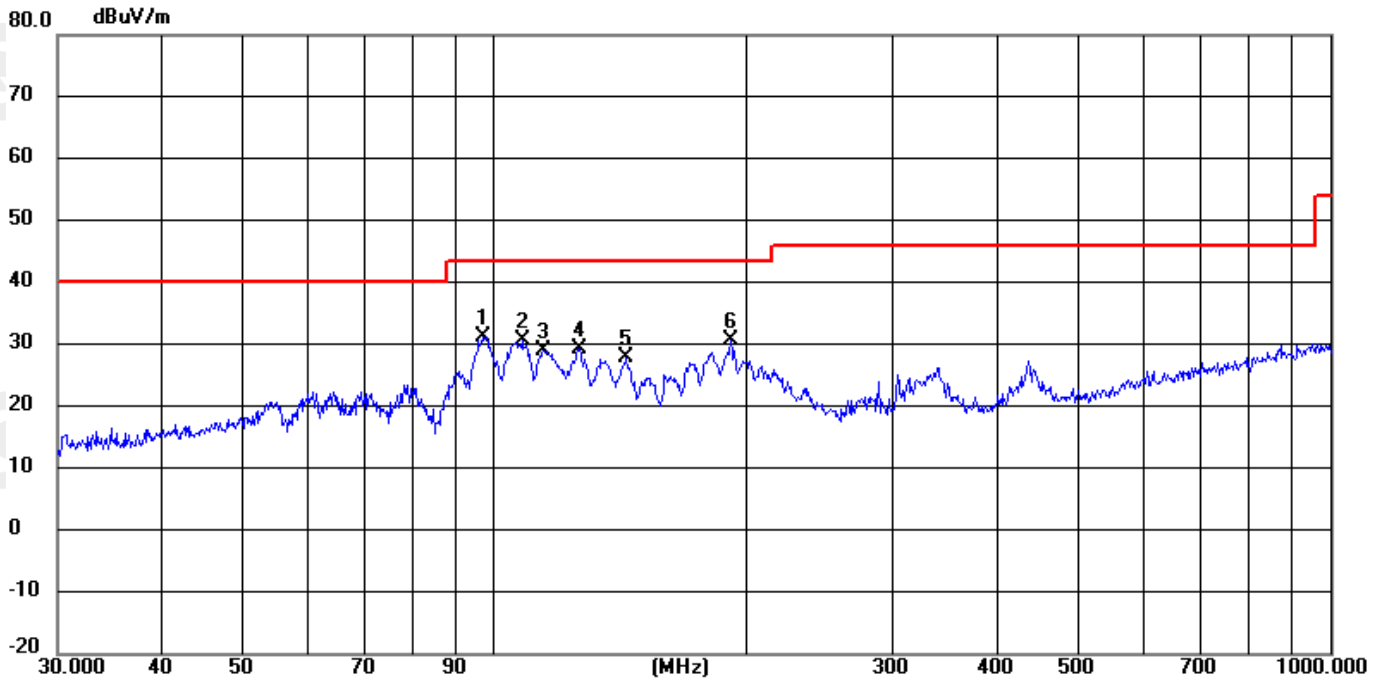


No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	0.133	63.91	19.72	83.63	107.14	-23.51	peak	Coplanar
2	0.265	39.81	19.85	59.66	101.68	-42.02	peak	Coplanar
3	0.398	40.82	20.09	60.91	98.45	-37.54	peak	Coplanar
4	0.532	33.72	20.29	54.01	73.09	-19.08	peak	Coplanar
5 *	0.663	32.05	20.32	52.37	71.17	-18.80	peak	Coplanar
6	0.799	26.60	20.36	46.96	69.55	-22.59	peak	Coplanar

TM1:



No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1	54.659	18.02	14.27	32.29	40.00	-7.71	QP	Vertical
2 *	61.266	22.59	13.26	35.85	40.00	-4.15	QP	Vertical
3	71.205	25.40	10.03	35.43	40.00	-4.57	QP	Vertical
4	96.225	23.00	12.19	35.19	43.50	-8.31	QP	Vertical
5	144.019	24.55	9.37	33.92	43.50	-9.58	QP	Vertical
6	191.997	22.37	12.26	34.63	43.50	-8.87	QP	Vertical



No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Comment
1 *	97.285	19.05	12.30	31.35	43.50	-12.15	QP	Horizontal
2	108.030	18.27	12.52	30.79	43.50	-12.71	QP	Horizontal
3	114.766	17.15	11.90	29.05	43.50	-14.45	QP	Horizontal
4	126.329	19.33	10.00	29.33	43.50	-14.17	QP	Horizontal
5	144.019	18.68	9.37	28.05	43.50	-15.45	QP	Horizontal
6	191.997	18.53	12.26	30.79	43.50	-12.71	QP	Horizontal

6. Test setup photo

Refer to appendix I for details

7. Photo of the EUT

Refer to appendix for details

*****End of report*****