

TEST REPORT

Product Name : Renew RABS Magnetic Golf Speaker w/ Phone Stand
Model Number : SL611, 25685, CT02138
FCC ID : 2BCGV0048

Prepared for : NINGBO CSTAR IMPRINT E-COMMERCE CO., LTD.
Address : B46, BUILDING B, INDUSTRIAL BLOCK, QIAOTOUHU STREET, NINGHAI COUNTY, NINGBO CITY, ZHEJIANG PROVINCE

Prepared by : EMTEK (DONGGUAN) CO., LTD.
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Report Number : EDG2604020058E00303R
Date of sample receipt : Apr 02, 2026
Date(s) of Tests : Apr 02, 2026 to Apr 17, 2026
Date of issue : Apr 20, 2026

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1. TEST REPORT DESCRIPTION

Applicant : NINGBO CSTAR IMPRINT E-COMMERCE CO., LTD.
Address : B46, BUILDING B, INDUSTRIAL BLOCK, QIAOTOUHU STREET, NINGHAI COUNTY, NINGBO CITY, ZHEJIANG PROVINCE
Manufacturer : NINGBO CSTAR IMPRINT E-COMMERCE CO., LTD.
Address : B46, BUILDING B, INDUSTRIAL BLOCK, QIAOTOUHU STREET, NINGHAI COUNTY, NINGBO CITY, ZHEJIANG PROVINCE
EUT : Renew RABS Magnetic Golf Speaker w/ Phone Stand
Model Name : SL611, 25685, CT02138
Trademark : N/A

Measurement Procedure Used:

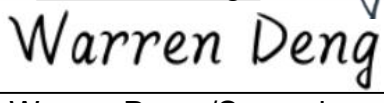
APPLICABLE STANDARDS	
STANDARD	TEST RESULT
FCC 47 CFR Part 2, Subpart J FCC 47 CFR Part 15, Subpart C	PASS

The above equipment was tested by EMTEK (DONGGUAN) CO., LTD. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2020) and the energy emitted by the sample EUT tested as described in this report is in compliance with conducted and radiated emission limits of FCC Rules Part 15C

The test results of this report relate only to the tested sample identified in this report.

Date of Test : Apr 02, 2026 to Apr 17, 2026

Prepared by : 
Jessica Zhang /Editor

Reviewer : 
Warren Deng /Supervisor

Approve & Authorized Signer : 
Sam Lv / Manager

Modified History

Version	Report No.	Revision Date	Summary
	EDG2604020058E00303R	/	Original Report



2. GENERAL INFORMATION

2.1. Description of Device (EUT)

Characteristics	Description
Product Name	Renew RABS Magnetic Golf Speaker w/ Phone Stand
Model number	SL611, 25685, CT02138 (Note: These models are the same, except for the model number;SL611 was selected for full test.)
Power Supply	DC 5V from USB DC 3.85V from battery
Operating Frequency Range	111-205KHz
Wireless Output Power	10W
Modulation Technique	ASK
Antenna Type	Induction Coil antenna
Temperature Range	-10°C ~ +45°C

2.2. Input / Output Ports

Port #	Name	Type*	Cable Max. >3m	Cable Shielded	Comments
1	Enclosure	N/E	--	--	None
2	DC IN port	I/O	No	Unshielded	1 port
* Note: For the purposes of the present document, the following symbols apply: AC AC Power Port DC DC Power Port N/E Non-Electrical I/O Signal Input or Output Port (Not Involved in Process Control) TP Telecommunication Ports					

2.3. Independent Operation Modes

- A ON
1. Wireless 10W(100% load)
 2. Wireless 10W(50% load)
 3. Wireless 10W(10% load)
- Note: The mode A1 is the worst mode

2.4. Test Manner

Test Items	Test Voltage	Operation Modes
Conducted Emission	AC 120V/60Hz Battery	Mode A
Radiated Emission	AC 120V/60Hz Battery	Mode A

2.5. Description of Test Facility

Site Description

EMC Lab.

: Accredited by CNAS, 2024.07.06
The certificate is valid until 2030.07.05
The Laboratory has been assessed and proved to be in compliance with
CNAS-CL01:2018
The Certificate Registration Number is L3150

Accredited by FCC
Designation Number: CN1451
Test Firm Registration Number: 846861

Accredited by A2LA, April 05, 2021
The Certificate Registration Number is 4321.02

Accredited by Industry Canada
The Certificate Registration Number is CN0113

Name of Firm

: EMTEK (DONGGUAN) CO., LTD.

Site Location

: 1&2/F., Building 2, Zone A, Zhongda Marine Biotechnology Research and
Development Base, No.9, Xincheng Avenue, Songshanhu
High-technology Industrial Development Zone, Dongguan, Guangdong,
China

2.6. Description of Support Device

No.	Equipment	Trade name	Model	S/N	Power Cord
1.	Wireless Load	N/A	10W	N/A	N/A

2.7. Measurement Uncertainty

Test Item

Conducted Emission Uncertainty : 2.08dB(9K-150KHz)
2.42dB(150K-30MHz)

Radiated Emission Uncertainty (3m Chamber) : 3.32dB (30M~1GHz Polarize: H)
3.34dB (30M~1GHz Polarize: V)
4.98dB (1~6GHz)
5.20dB (6~18GHz)

3. SUMMARY OF TEST RESULTS

EMISSION		
Description of Test Item	Standard & Limits	Results
20DB BANDWIDTH	FCC Part 15, Subpart C- Section 15.217-257 ANSI C63.10-2020	Pass
Conducted Emission	FCC Part 15, Subpart C- Section 15.207 ANSI C63.10-2020	Pass
Radiated Emission	FCC Part 15, Subpart C- Section 15.209 ANSI C63.10-2020	Pass
Antenna requirement	FCC Part 15, Subpart C- Section 15.203 ANSI C63.10-2020	Pass
Note: N/A is an abbreviation for Not Applicable.		

4. MEASURING DEVICE AND TEST EQUIPMENT

4.1. Conducted Emission Test Equipment

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
EMI Test Receiver	Rohde&Schwarz	ESCI	100137	2025/4/28	1Year
AMN	Rohde&Schwarz	ENV216	101209	2025/4/28	1Year
AMN	Rohde&Schwarz	ENV216	100017	2025/4/28	1Year
RF Switching Unit	CDS	RSU-M2	38401	2025/4/28	1Year
AMN	Schwarzbeck	NNLK8121	8121-641	2025/4/29	1Year
AMN	Rohde&Schwarz	ESH3-Z6	101101	2025/4/28	1Year
AMN	Rohde&Schwarz	ESH3-Z6	101102	2025/4/28	1Year
Power Splitters & Dividers	Weinschel Associates	WA1506A	A1066	2025/4/28	1Year
Current Probe	FCC	F-52	8377	2025/4/29	1Year
Passive voltage probe	Rohde&Schwarz	ESH2-Z3	100122	2025/4/28	1Year
Cable	Rosenberger	RG 223/U	525178	2025/4/28	2Year
Cable	Rosenberger	RG223/U	525179	2025/4/28	2Year
Test Software	Farad	Ver.CON-03A1	--	N/A	N/A

4.2. For 3m Radiated Emission Measurement

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
EMI Test Receiver	Rohde&Schwarz	ESCI	101415	2025/4/29	1Year
Bi-log Hybrid Antenna	Schwarzbeck	VULB9163	141	2025/5/1	1Year
Pre-Amplifie	HP	8447F	OPH64	2025/4/29	1 Year
Signal Analyzer	R&S	FSV30	103039	2025/4/29	1 Year
Horn Antenna	Schwarzbeck	BBHA9120D	1272	2025/5/1	1Year
Horn Antenna	Schwarzbeck	BBHA9170	9170-567	2025/5/1	1Year
Pre-Amplifie	LUNAR EM	PM1-18-40	J10100000081	2025/4/29	1Year
Loop antenna	Schwarzbeck	FMZB1519	1519-012	2025/5/1	1Year
Cable	Rosenberger	CIL02	A0783566	2025/4/28	2Year
Cable	HTS	CBL-26	D1245	2025/4/28	2Year
Cable	HTS	CBL-26	D8503	2025/4/28	2Year
Cable	HTS	CBL-26	/	2025/4/28	2Year
6 db attenuator	AR-WORLDWIDE	6dB/50FH-006-100	324011	2025/4/28	1Year
Test Software	Farad	Ver.RA-03A1	--	N/A	N/A

4.3. For other test items:

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
Wireless Connectivity Tester	R&S	CMW270	102543	2025/4/28	1Year
Automatic Control Unit	Tonscend	JS0806-2	2118060480	2025/4/28	1Year
Signal Analyzer	KEYSIGHT	N9010B	MY60242456	2025/4/28	1Year
Analog Signal Generator	KEYSIGHT	N5173B	MY61252625	2025/4/28	1Year
UP/DOWN-Converter	R&S	CMW-Z800A	100274	2025/4/28	1Year
Vector Signal Generator	KEYSIGHT	N5182B	MY61252674	2025/4/28	1Year
Frequency Extender	KEYSIGHT	N5182BX07	MY59362541	2025/4/28	1Year
Temperature&Humidity test chamber	ESPEC	EL-02KA	12107166	2025/4/28	1 Year
Radio frequency test system	Tonscend	JS1120-3	--	N/A	N/A

5. 20DB BANDWIDTH

5.1. Test Procedure

Set to the maximum power setting and enable the EUT transmit continuously

Set RBW = 3 Hz.

Set the video bandwidth (VBW) =10 Hz

Set Span= 300 Hz

Set Detector = Peak.

Set Trace mode = max hold.

Set Sweep = auto couple.

Measure and record the results in the test report.

5.2. Test Results

Temperature: 25.0℃

Humidity: 55.5%

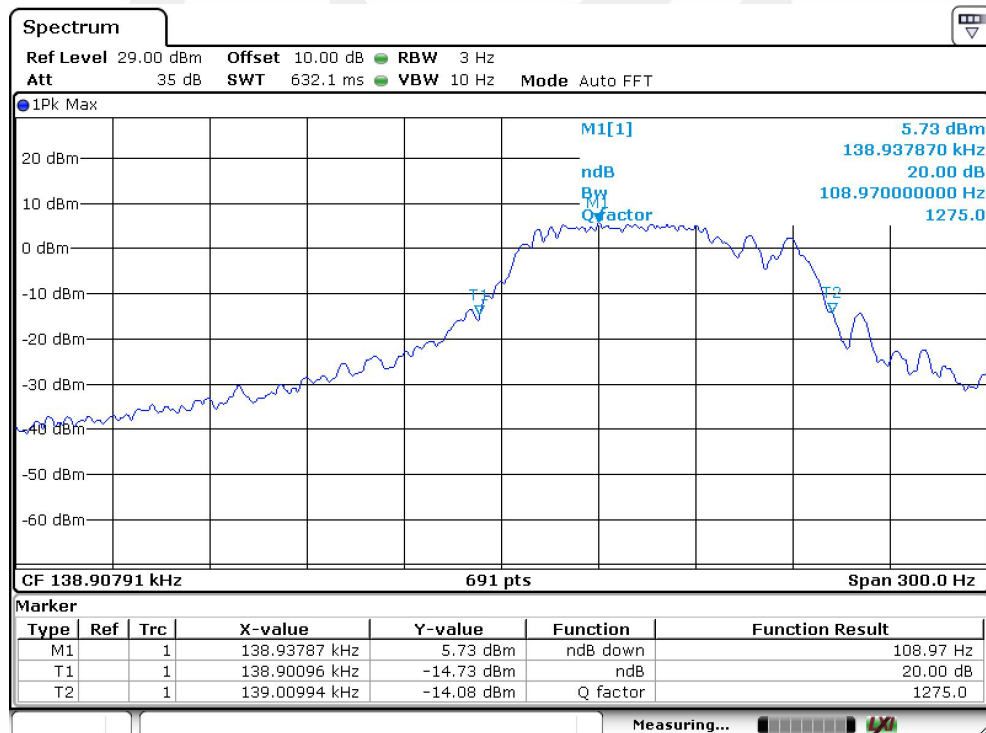
Test Date:

2026.04.16

Test By:

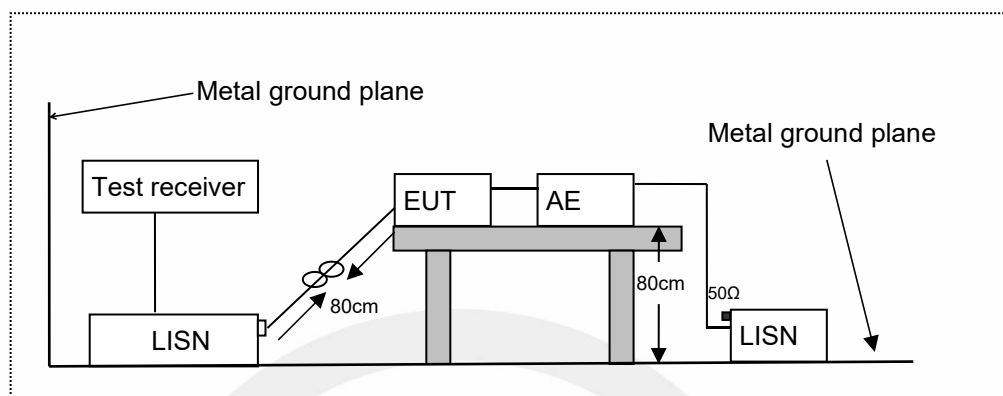
Calvin

20dB Band=108.97 Hz



6. POWER LINE CONDUCTED EMISSION MEASUREMENT

6.1. Block Diagram of Test Setup



LISN: Line Impedance Stabilization Network

AE: Associated equipment

EUT: Equipment under test

6.2. Limits

FCC Part 15.207

Frequency (MHz)			Limit (dBμV)	
			Quasi-peak Level	Average Level
0.15	~	0.50	66.0 ~ 56.0 *	56.0 ~ 46.0 *
0.50	~	5.00	56.0	46.0
5.00	~	30.00	60.0	50.0

NOTE1-The lower limit shall apply at the transition frequencies.
NOTE2-The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.

6.3. Test Procedure

The EUT was placed on a desk 0.8 m height from the metal ground plane and 0.4 m from the conducting wall of the shielding room and it was kept at least 0.8 m from any other grounded conducting surface. The size of the table will nominally be 1.5 m x1.0 m.

The rear of the arrangement shall be flush with the back of the supporting tabletop unless that would not be possible or typical of normal use.

All units of equipment forming the system under test (includes the EUT as well as connected peripherals and associated equipment or devices) shall be arranged such that a nominal 0.1 m separation is achieved between the neighboring units.

Connect EUT to the power mains through a line impedance stabilization network (LISN). Where the mains cable supplied by the manufacturer is longer than 1 m, the excess should be folded at the centre into a bundle no longer than 0.4 m, so that its length is shortened to 1 m.

All the support units are connecting to the other LISN.

The LISN provides 50 ohm coupling impedance for the measuring instrument.

Both sides of AC line were checked for maximum conducted interference.

The frequency range from 150 kHz to 30 MHz was sweep.

Set the test-receiver system to quasi peak detect function and average detect function, and to measure the conducted emissions values.

Test results were obtained from the following equation:

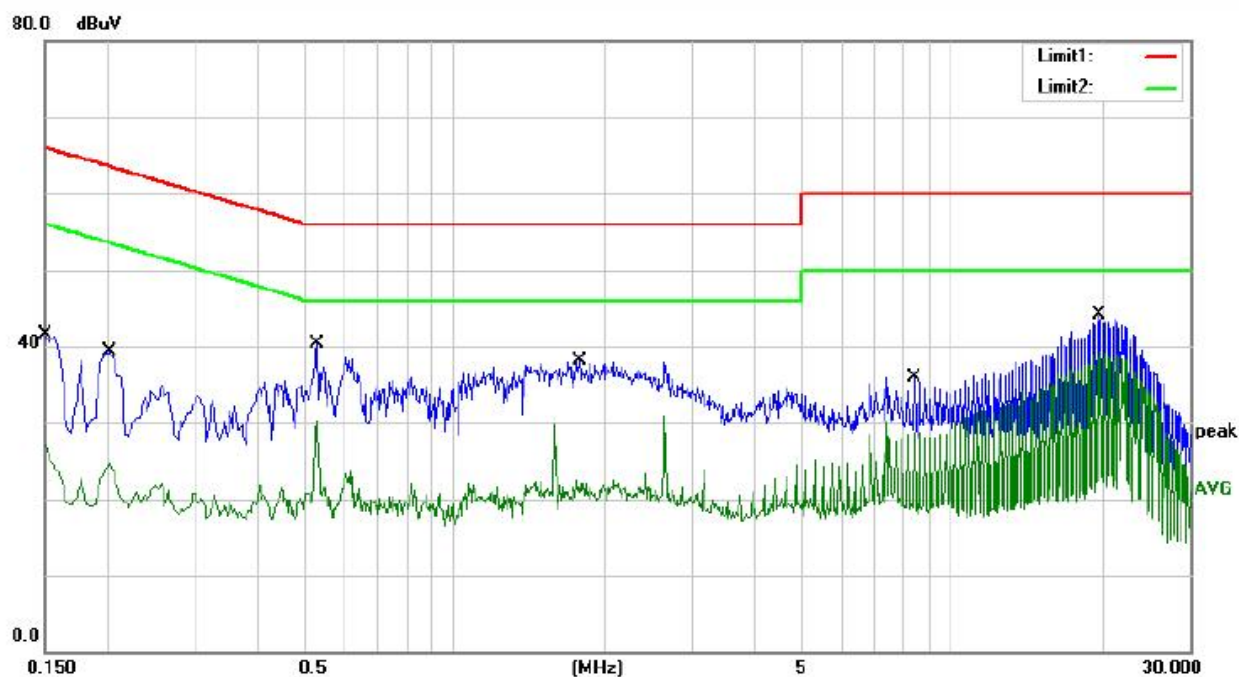
Emission Level (dBμV) = LISN Factor (dB) + Cable Loss (dB) + Reading (dBμV)

Margin (dB) = Emission Level (dBμV) - Limit (dBμV)

6.4. Measuring Results

PASS

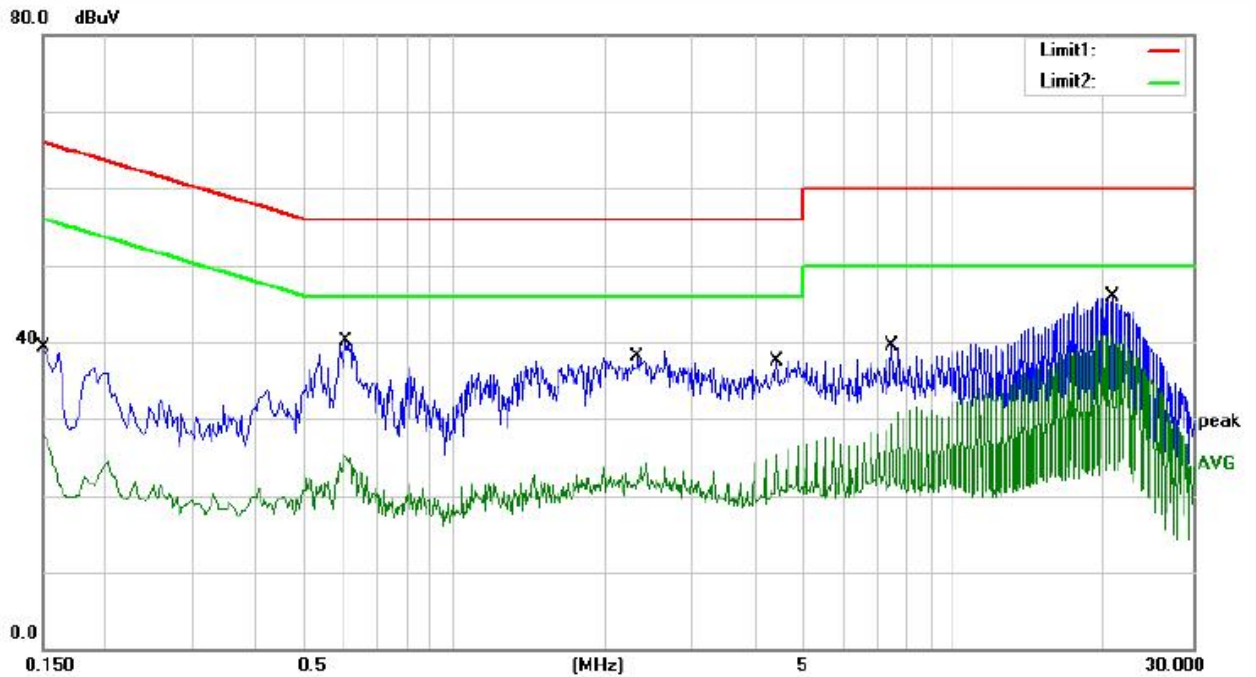




Site site #1 Phase: L1 Temperature: 20.2

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1500	23.04	18.42	41.46	66.00	-24.54	QP	
2		0.1500	9.11	18.42	27.53	56.00	-28.47	AVG	
3		0.2020	20.98	18.29	39.27	63.53	-24.26	QP	
4		0.2020	6.28	18.29	24.57	53.53	-28.96	AVG	
5		0.5300	22.73	17.55	40.28	56.00	-15.72	QP	
6		0.5300	12.77	17.55	30.32	46.00	-15.68	AVG	
7		1.7660	20.51	17.61	38.12	56.00	-17.88	QP	
8		1.7660	4.98	17.61	22.59	46.00	-23.41	AVG	
9		8.3820	18.10	17.76	35.86	60.00	-24.14	QP	
10		8.3820	10.91	17.76	28.67	50.00	-21.33	AVG	
11		19.6380	26.31	17.81	44.12	60.00	-15.88	QP	
12	*	19.6380	21.57	17.81	39.38	50.00	-10.62	AVG	

*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator: Lusi



Site site #1		Phase: N						Temperature: 20.2	
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	20.86	18.42	39.28	66.00	-26.72	QP	
2		0.1500	9.74	18.42	28.16	56.00	-27.84	AVG	
3		0.6060	22.60	17.55	40.15	56.00	-15.85	QP	
4		0.6060	7.54	17.55	25.09	46.00	-20.91	AVG	
5		2.3060	20.44	17.63	38.07	56.00	-17.93	QP	
6		2.3060	3.34	17.63	20.97	46.00	-25.03	AVG	
7		4.4140	19.86	17.72	37.58	56.00	-18.42	QP	
8		4.4140	7.50	17.72	25.22	46.00	-20.78	AVG	
9		7.5020	21.81	17.76	39.57	60.00	-20.43	QP	
10		7.5020	11.54	17.76	29.30	50.00	-20.70	AVG	
11	*	20.7020	28.04	17.81	45.85	60.00	-14.15	QP	
12		20.7020	17.11	17.81	34.92	50.00	-15.08	AVG	

*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator: Lusi

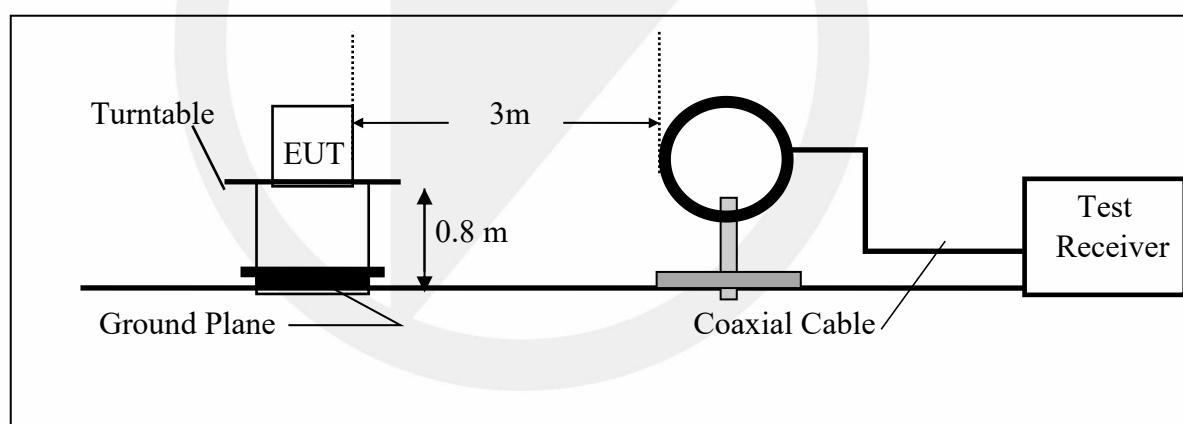
7. RADIATED EMISSION TEST

7.1.Measurement Procedure

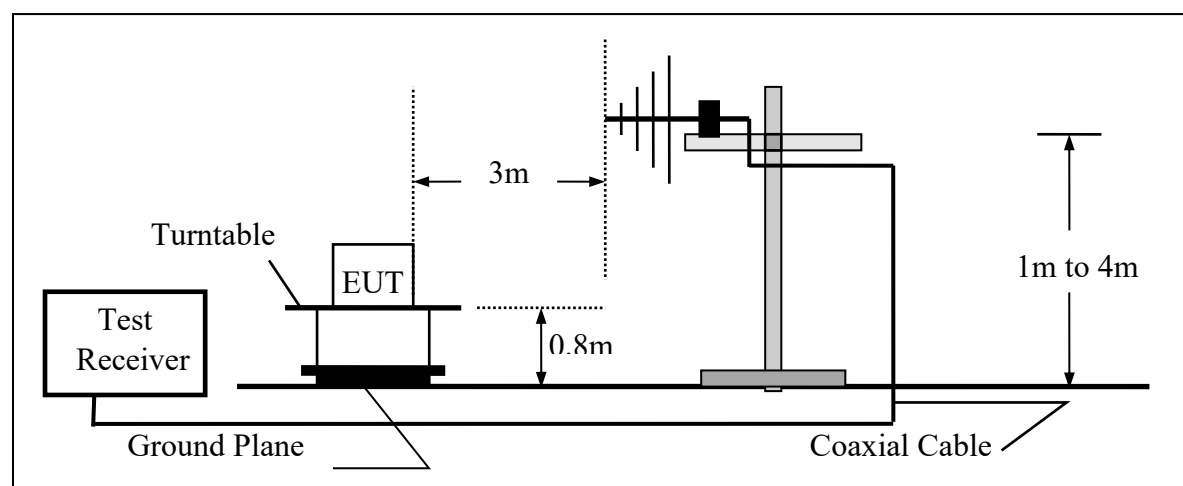
1. The EUT was placed on a turn table which is 0.8m above ground plane.
2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
3. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
4. Repeat above procedures until all frequency measured were complete.
5. Use the following receiver/spectrum analyzer settings:
Span = wide enough to fully capture the emission being measured
RBW=200Hz for 9KHz to 150KHz,
RBW=9kHz for 150KHz to 30MHz,
RBW=120KHz for 30MHz to 1GHz
VBW $\geq 3 \times$ RBW
Sweep = auto
Detector function = QP
Trace = max hold

7.2.Test SET-UP (Block Diagram of Configuration)

(A) Radiated Emission Test Set-Up, Frequency Below 30MHz



(B) Radiated Emission Test Set-Up, Frequency Below 1000MHz



7.3.Radiated Emission Limit

The emissions from an intentional radiator shall not exceed the field strength levels specified in the following table 15.209(a):

FCC Part 15.209				
Frequency (MHz)	Field Strength Limitation		Field Strength Limitation Frequency tion at 3m Measurement Dist	
	(uV/m)	Dist	(uV/m)	(dBuV/m)
0.009 – 0.490	2400 / F(KHz)	300m	10000 * 2400/F(KHz)	20log 2400/F(KHz) + 80
0.490 – 1.705	24000 / F(KHz)	30m	100 * 24000/F(KHz)	20log 24000/F(KHz) + 40
1.705 – 30.00	30	30m	100* 30	20log 30 + 40
30.0 – 88.0	100	3m	100	20log 100
88.0 – 216.0	150	3m	150	20log 150
216.0 – 960.0	200	3m	200	20log 200
Above 960.0	500	3m	500	20log 500

15.205 Restricted bands of operation

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(²)

- Remark:
1. Emission level in dBuV/m=20 log (uV/m)
 2. Measurement was performed at an antenna to the closed point of EUT distance of meters.
 3. Only spurious frequency is permitted to locate within the Restricted Bands specified in provision of § 15.205, and the emissions located in restricted bands also comply with 15.209 limit.

7.4.Measurement Result

Operation Mode:	Low frequency	Test Date :	2026.04.03
Frequency Range:	9KHz~30MHz	Temperature :	23.6℃
Test Result:	PASS	Humidity :	58.2 %
Measured Distance:	3m	Test By:	Ccyf

Freq. (MHz)	Ant.Pol. H/V	Emission Level (dBuV/m)	Limit 3m (dBuV/m)	Over (dB)	Note
0.0560	H	53.25	112.63	-59.38	PK
0.0881	H	50.87	108.70	-57.83	PK
0.1467	H	86.63	104.27	-17.64	PK
0.1500	H	83.32	104.08	-20.76	PK
0.4397	H	67.49	94.74	-27.25	PK
0.7313	H	57.90	70.33	-12.43	PK
0.0720	V	50.35	110.45	-60.10	PK
0.0881	V	48.78	108.70	-59.92	PK
0.1467	V	81.87	104.27	-22.40	PK
0.1500	V	78.70	104.08	-25.38	PK
0.4397	V	62.67	94.74	-32.07	PK
0.7313	V	53.05	70.33	-17.28	PK

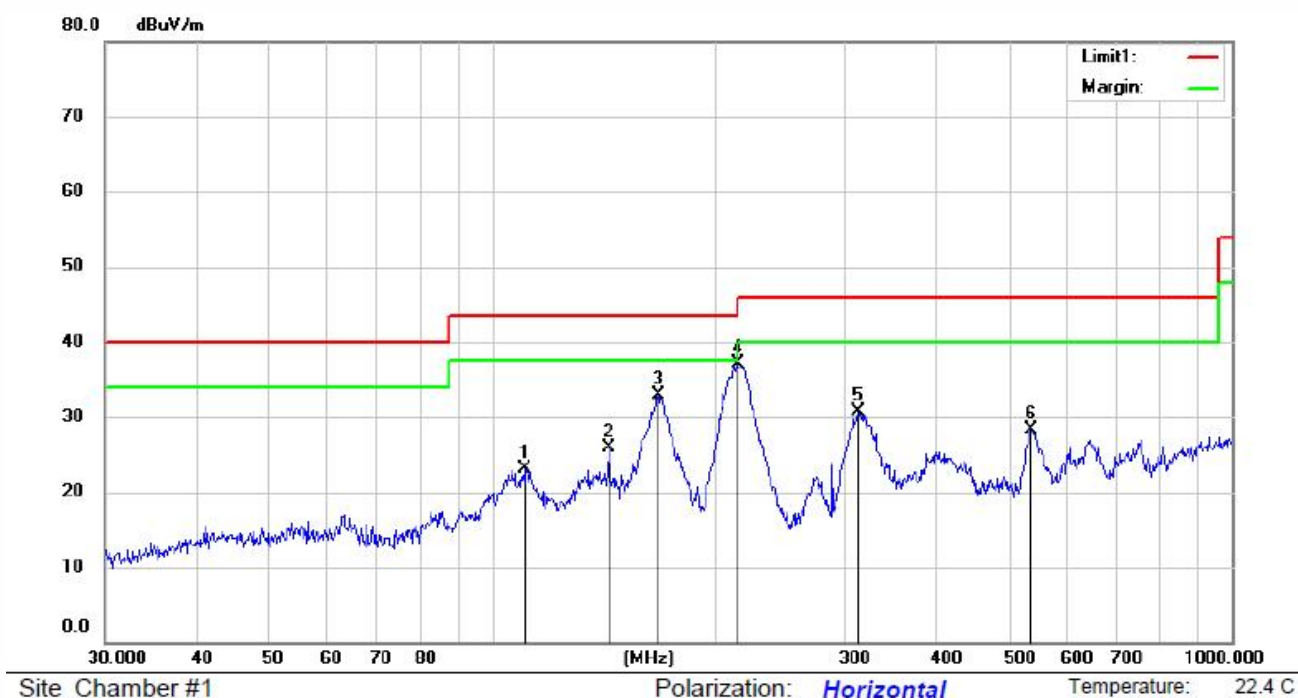
Note: (1) All Readings are Peak Value.

(2) Emission Level= Reading Level+Probe Factor +Cable Loss.

(3) The average measurement was not performed when the peak measured data under the limit of average detection.

(4) EUT lying on the table position is the worst case result in the report.

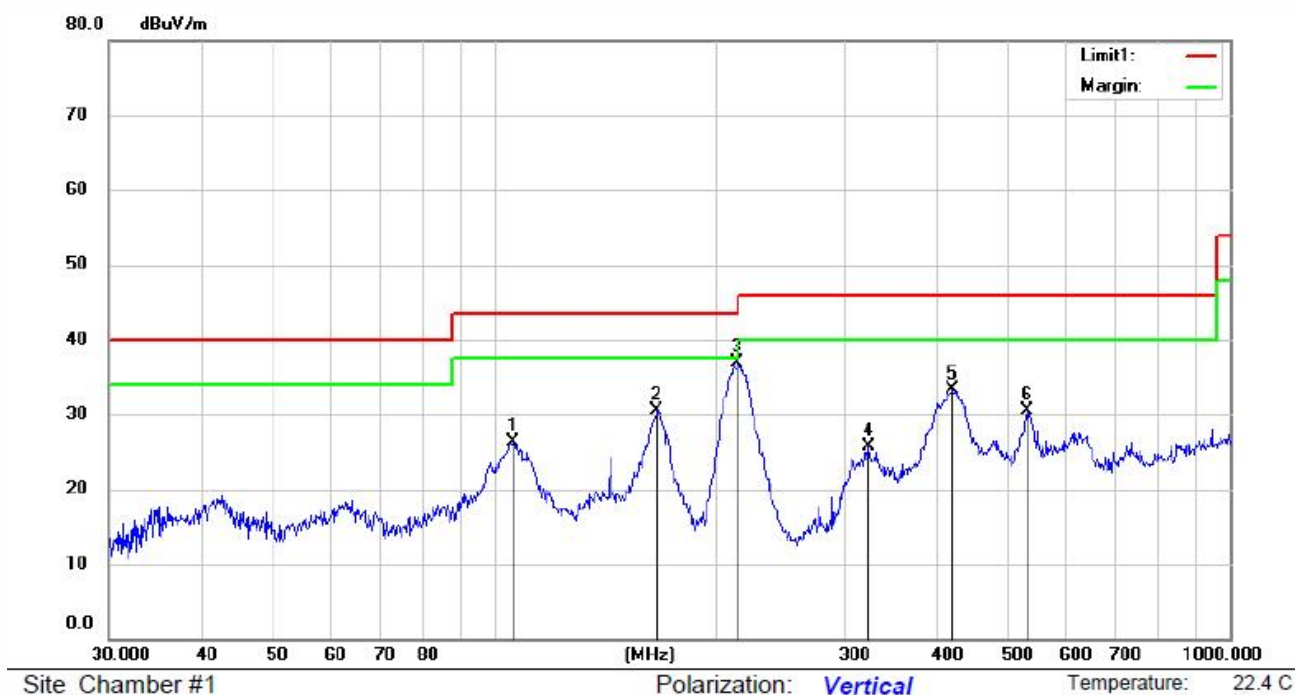
30MHz-1GHz:



No.	Mk.	Freq. MHz	Reading Level dBuV	Ant. Factor dB/m	Pre Amp Gain dB	Cable loss dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	HI	Degree	Comment
1		110.9571	38.73	11.9	28.82	1.31	23.12	43.50	-20.38	QP		
2		143.8295	44.12	9.05	28.73	1.49	25.93	43.50	-17.57	QP		
3		167.8243	50.97	9.06	28.66	1.59	32.96	43.50	-10.54	QP		
4	*	215.2678	53.14	10.79	28.52	1.75	37.16	43.50	-6.34	QP		
5		312.1794	43.68	13.27	28.36	2.18	30.77	46.00	-15.23	QP		
6		535.7073	37.51	17.27	29.49	2.97	28.26	46.00	-17.74	QP		

*:Maximum data x:Over limit !:over margin

Operator: Ccyf



No.	Mk.	Freq. MHz	Reading Level dBuV	Ant. Factor dB/m	Pre Amp Gain dB	Cable loss dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	HI	Degree	Comment
1		106.3850	42.32	11.52	28.83	1.28	26.29	43.50	-17.21	QP		
2		166.6513	48.82	8.83	28.66	1.59	30.58	43.50	-12.92	QP		
3	*	214.5142	52.99	10.75	28.52	1.75	36.97	43.50	-6.53	QP		
4		323.3203	38.16	13.83	28.43	2.24	25.80	46.00	-20.20	QP		
5		420.5803	44.36	15.5	29.05	2.59	33.40	46.00	-12.60	QP		
6		530.1013	39.42	17.59	29.5	2.94	30.45	46.00	-15.55	QP		

*:Maximum data x:Over limit !:over margin

Operator: Ccyf

Remark:

1. Measurement (dBuV/m) = Antenna Factor(dB) -Amp Factor(dB) +Cable Loss(dB) + Reading(dBuV/m)
2. Over (dB) = Measurement (dBuV/m) - Limit (dBuV/m)

8. ANTENNA REQUIREMENT

The EUT's antenna, permanent attached antenna, used an Induction coil, The antenna's gain meets the requirement.



*** End of Report ***

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