



Test report No: 2580501R-0E3012110014-A

FCC TEST REPORT

Product Name	Bluetooth USB Dongle
Trademark	Jabra
Model and /or type reference	END085W
Applicant's name / address	GN Audio USA Inc. / 900 Chelmsfort St, Tower 2, Floor 8 , Lowell, Massachusetts, 1851 United States
Manufacturer's name / address	GN Audio USA Inc. / 900 Chelmsfort St, Tower 2, Floor 8 , Lowell, Massachusetts, 1851 United States
Test method requested, standard	FCC CFR Title 47 Part 15 Subpart B:2024, Class B
Verdict Summary	IN COMPLIANCE
Documented By (Senior Adm. Specialist / Rita Huang)	
Approved By (Director / Vincent Lin)	
Date of Report	2025/08/15
Date of Issue	2025/09/22
Report No.	2580501R-0E3012110014-A
Report Version	V1.0

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Product Photos: Please refer to the file: 2580501R-Product Photos

Competences and Guarantees

DEKRA is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

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The results presented in this Test Report apply only to the particular item under test established in this document.

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General conditions

1. The test results relate only to the samples tested.
2. The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.
3. This report must not be used to claim product endorsement by TAF or any agency of the government.
4. The test report shall not be reproduced without the written approval of DEKRA Testing and Certification Co., Ltd.
5. Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

Revision History

Report No.	Version	Description	Issued Date
2580501R-0E3012110014-A	V1.0	Initial issue of report.	2025-09-22

1. General Information

1.1. EUT Description

Product Name	Bluetooth USB Dongle
Trademark	Jabra
Model No.	END085W
EUT Max Frequency	2.4 GHz
EUT Rated Voltage	DC 5V by USB
EUT Test Voltage	AC 120V/60Hz

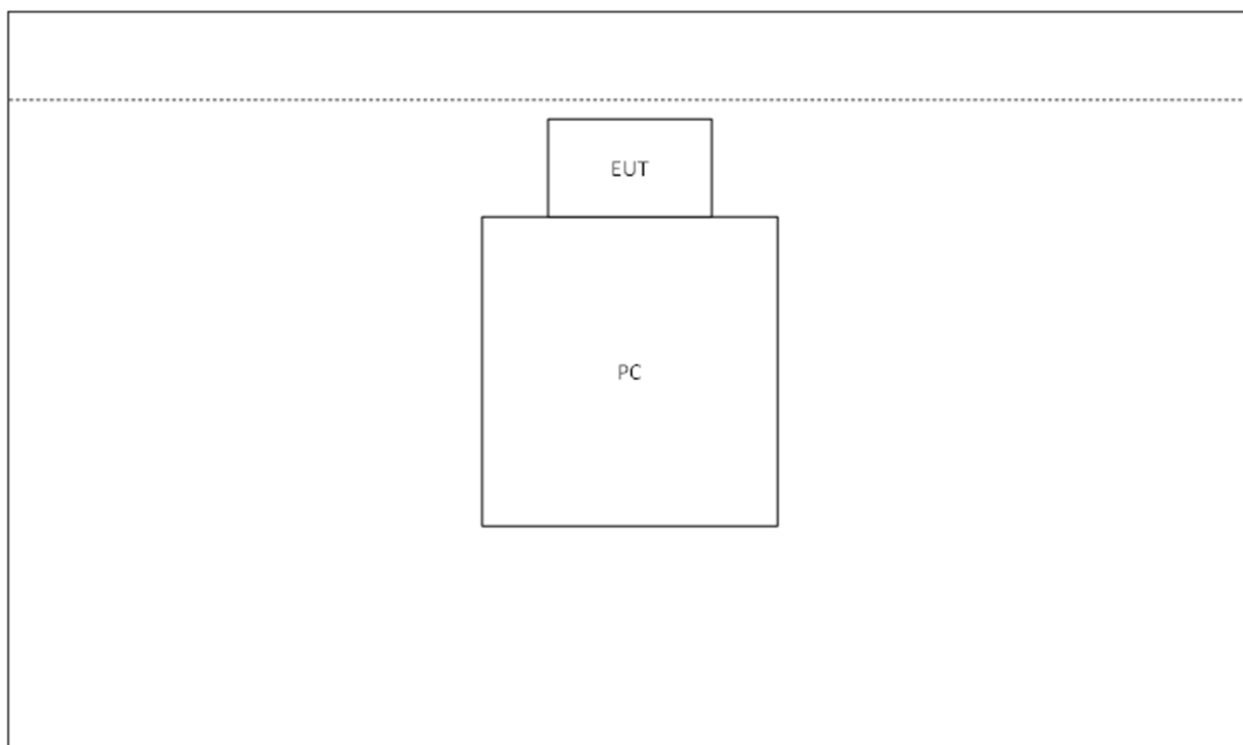
1.2. Mode of Operation

DEKRA has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

Pre-Test Mode	
Mode 1: Normal Operation(BT)	
Final Test Mode	
Emission	Mode 1

1.3. Configuration of Tested System

Connection Diagram



Tested System Details

Product	Manufacturer	Model No.	No.	Cable Type & Description
NB	Lenovo	L14G2		
Earphone	Jabra	HSC230W		
USB Mouse	Microsoft	1113		

Note:

- ☒ Use Full system setup configuration determines Worst-Case Mode.
- ☐ Use 2dB law program determines Max. Cable Configuration and Worst-Case Mode.
- ☒ Radiated emission item test: Performed using the Horn Antenna 3dB Beamwidth to 3m from the EUT size sufficient to cover the procedure.
- ☐ Radiated emission item test: Performed using the Horn Antenna 3dB Beamwidth non 3m distance sufficient to cover the size of the EUT program.

1.4. EUT Exercise Software

1	Setup the EUT and simulators as shown on 1.3.
2	Turn on the power of all equipment.
3	All the features of the EUT operation normally.

2. Technical Test

2.1. Summary of Test Result

- ☒ No deviations from the test standards
- ☐ Deviations from the test standards as below description:

Emission				
Performed Item	Normative References	Test Performed	Test Site	Verdict
Conducted Emission (Class B)	FCC CFR Title 47 Part 15 Subpart B:2024	Yes	FS-SR01	Pass
Radiated Emission (Class B)	FCC CFR Title 47 Part 15 Subpart B:2024	Yes	FS-CB01 FS-CB04	Pass

Note:

1. Test Site information refers to test Laboratory Information.
2. The test facility, measurement instrumentation and measurement methods used for verifying the compliance of ITE or digital apparatus with FCC CFR Title 47 Part 15 Subpart B shall comply either with the requirements in ANSI C63.4.

Test Laboratory:	DEKRA Testing and Certification Co., Ltd.
	Linkou Laboratory
Address:	No. 85, Wenlin St., Linkou Dist., New Taipei City, 244017, Taiwan, R.O.C
Phone number:	+886-2-7753-2700
Fax number:	+886-2-2602-6881
Test Site	
FS: No.6, Lane 75, Wenlin St., Linkou Dist., New Taipei City, 244017, Taiwan, R.O.C No. 85, Wenlin St., Linkou Dist., New Taipei City, 244017, Taiwan, R.O.C	
HY: No.26, Huaya 1 st Rd., Guishan Dist., Taoyuan City 333411, Taiwan, R.O.C	

2.2. List of Test Equipment

Conducted Emission / FS-SR01

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Due Date
EMI Test Receiver	R&S	ESR3	102187	2025/4/30	2026/4/29
Two-Line V-Network	R&S	ENV216	101479	2024/10/15	2025/10/14
V-LISN	Schwarzbeck	NNLK 8122	00165	2025/5/24	2026/5/23
Impedance Stabilization Network	TESEQ	ISN T800	42815	2024/10/15	2025/10/14
Impedance Stabilization Network	TESEQ	ISN T8-Cat6	53572	2025/7/30	2026/7/29
Impedance Stabilization Network	TESEQ	ISN ST08	56935	2025/6/30	2026/6/29
Coaxial Cable	SUHNER	RG 400	LC018-RG	2025/6/14	2026/6/13
Note : ISN T800 for LAN 10Mbps to 1Gbps, T8-Cat6 for LAN above 1Gbps, ST08 for Shielded LAN					
Test Software version : e3 V9					

Note:Test Receiver Detector: Quasipeak and Average Bandwidth: 9kHz

Radiated Emission (Below 1GHz) / FS-CB01

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Due Date
Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	01124	2024/9/20	2025/9/19
Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	01126	2024/9/20	2025/9/19
EMI Test Receiver	R&S	ESR7	102255	2025/3/17	2026/3/16
EMI Test Receiver	R&S	ESR7	102254	2024/12/11	2025/12/10
Coaxial Cable	SUHNER	SUCOFLEX 106	AC043-SF	2025/7/5	2026/7/4
Coaxial Cable	SUHNER	SUCOFLEX 106	AC044-SF	2025/7/5	2026/7/4
Coaxial Cable	SUHNER	SUCOFLEX 106	AC045-SF	2025/7/5	2026/7/4
Coaxial Cable	SUHNER	SUCOFLEX 106	AC046-SF	2025/7/5	2026/7/4
Coaxial Cable	SUHNER	SUCOFLEX 106	AC047-SF	2025/7/5	2026/7/4
Coaxial Cable	SUHNER	SUCOFLEX 106	AC049-SF	2025/7/5	2026/7/4
Coaxial Cable	SUHNER	SUCOFLEX 106	AC051-SF	2025/7/5	2026/7/4
Coaxial Cable	SUHNER	SUCOFLEX 106	AC052-SF	2025/7/5	2026/7/4
Preamplifier	SGH	EM330	20200921-5	2025/6/27	2026/6/26
Preamplifier	SGH	SGH0301	20211007-1	2025/6/27	2026/6/26
NSA	DEKRA	N/A	N/A	2025/7/6	2026/7/5
Test Software version : e3 V9					

Note:Test Receiver Detector: Quasipeak Bandwidth:120kHz

Radiated Emission (Above 1GHz) / FS-CB04

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Due Date
Double Ridged Guide Horn Antenna	ETS-Lindgren	3117	00227710	2025/3/27	2026/3/26
Horn Antenna	COM-POWER	AH-840	10090013	2024/9/23	2025/9/22
EMI Test Receiver	R&S	ESR26	101385	2025/2/17	2026/2/16
Signal Analyzer	R&S	FSV40	101176	2025/5/19	2026/5/18
Coaxial Cable	VEGINEAN	VCA-VA500	HQ001C	2025/8/29	2026/8/28
Coaxial Cable	VEGINEAN	VCA-VA500	HQ004C	2025/8/29	2026/8/28
Coaxial Cable	VEGINEAN	VCA-VA800	HQ005C	2025/8/29	2026/8/28
Coaxial Cable	VEGINEAN	VCA-VA800	HQ006C	2025/8/29	2026/8/28
Microwave Preamplifier	SGH	SGH118	20200301	2025/8/7	2026/8/6
Microwave Preamplifier with cable	SGH	SGH184	20200302	2025/7/25	2026/7/24
VSWR	DEKRA	N/A	N/A	2025/8/9	2026/8/8
Test Software version : e3 V9					

2.3. Measurement Uncertainty

Test Items	Uncertainty
Conducted Emission	± 2.40 dB
Radiated Emission (Below 1GHz)	± 5.60 dB
Radiated Emission (Above 1GHz)	± 4.40 dB

2.4. Test Environment

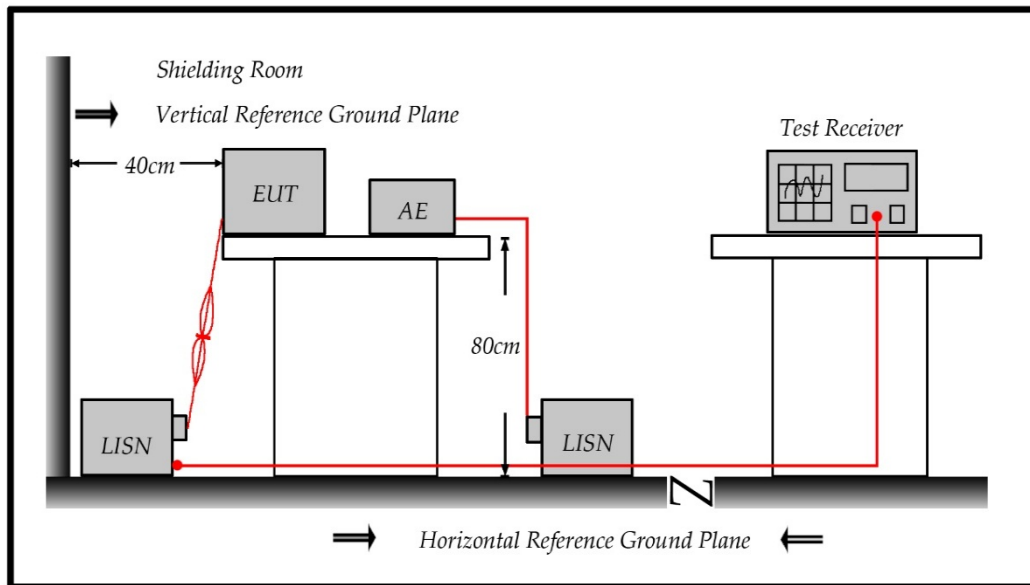
Performed Item	Items	Required
Conducted Emission	Temperature (°C)	10-40
	Humidity (%RH)	20-90
Radiated Emission	Temperature (°C)	10-40
	Humidity (%RH)	20-90

3. Conducted Emission

3.1. Test Specification

According to Standard : FCC Part 15 Subpart B & CISPR 22

3.2. Test Setup



3.3. Limit

Limits		
Frequency (MHz)	QP (dBuV)	AV (dBuV)
0.15 – 0.50	66 – 56	56 – 46
0.50 – 5.0	56	46
5.0 – 30	60	50

Remarks: In the above table, the tighter limit applies at the band edges.

3.4. Test Procedure

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination.

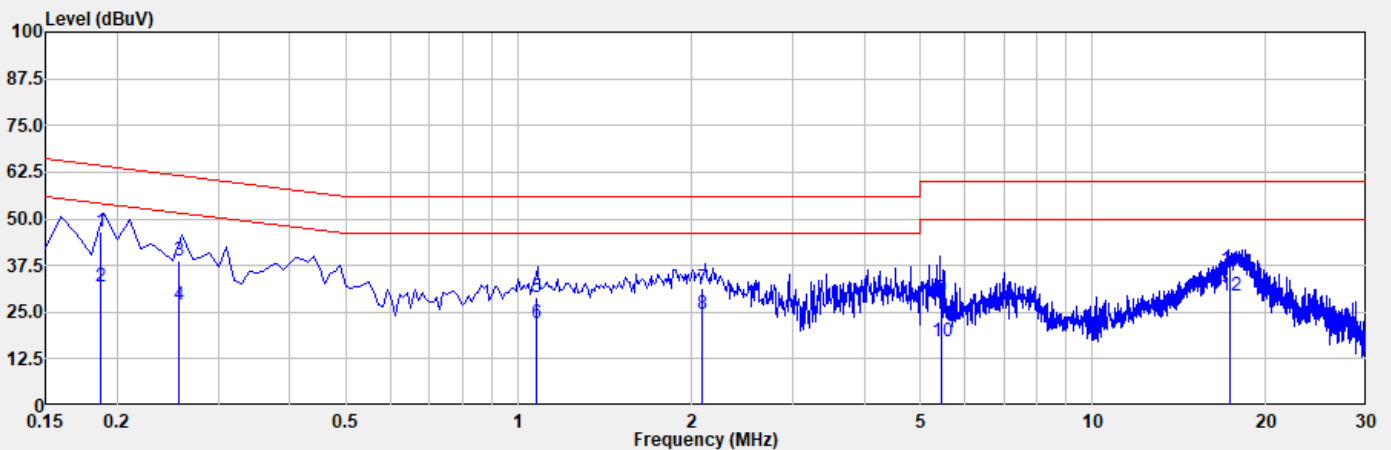
(Please refers to the block diagram of the test setup and photographs.)

Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed on conducted measurement.

Conducted emissions were invested over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

3.5. Test Result

Model No	END085W	Site	FS-SR01
Test Voltage	AC 120V/60Hz	Test Date	2025-08-30
Test Mode	Mode 1	Engineer	Nilk Chen
Phase	Line	Temperature (°C)	23.6
Test Condition	--	Humidity (%RH)	54

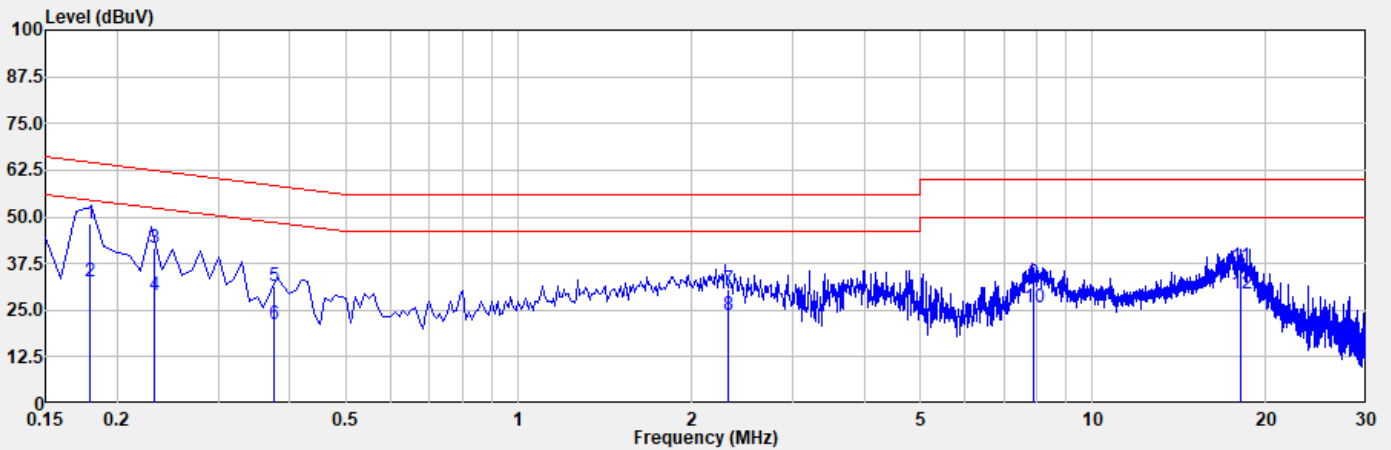


No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1*	0.187	46.48	64.16	-17.67	36.83	9.65	QP
2	0.187	31.70	54.16	-22.45	22.05	9.65	Average
3	0.257	38.92	61.54	-22.61	29.26	9.66	QP
4	0.257	27.02	51.54	-24.52	17.36	9.66	Average
5	1.077	29.02	56.00	-26.98	19.34	9.68	QP
6	1.077	21.86	46.00	-24.14	12.18	9.68	Average
7	2.092	31.40	56.00	-24.60	21.67	9.73	QP
8	2.092	24.41	46.00	-21.59	14.68	9.73	Average
9	5.450	28.76	60.00	-31.24	18.91	9.84	QP
10	5.450	17.06	50.00	-32.94	7.22	9.84	Average
11	17.312	36.33	60.00	-23.67	26.26	10.07	QP
12	17.312	29.34	50.00	-20.66	19.27	10.07	Average

Remark:

1. "*" means this data is the worst margin; "!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor(Correct Factor=LISN Factor+Cable Loss).
3. Margin=Emission Level-Limit

Model No	END085W	Site	FS-SR01
Test Voltage	AC 120V/60Hz	Test Date	2025-08-30
Test Mode	Mode 1	Engineer	Nilk Chen
Phase	Neutral	Temperature (°C)	23.6
Test Condition	--	Humidity (%RH)	54



No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1*	0.179	48.34	64.54	-16.21	38.77	9.56	QP
2	0.179	32.80	54.54	-21.74	23.24	9.56	Average
3	0.232	41.63	62.37	-20.74	32.07	9.56	QP
4	0.232	29.12	52.37	-23.25	19.56	9.56	Average
5	0.375	31.59	58.40	-26.81	22.02	9.57	QP
6	0.375	21.25	48.40	-27.15	11.69	9.57	Average
7	2.315	30.81	56.00	-25.19	21.16	9.65	QP
8	2.315	23.52	46.00	-22.48	13.87	9.65	Average
9	7.876	32.42	60.00	-27.58	22.56	9.86	QP
10	7.876	25.83	50.00	-24.17	15.96	9.86	Average
11	18.107	36.57	60.00	-23.43	26.35	10.22	QP
12	18.107	29.51	50.00	-20.49	19.29	10.22	Average

Remark:

1. "*" means this data is the worst margin; "!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor(Correct Factor=LISN Factor+Cable Loss).
3. Margin=Emission Level-Limit

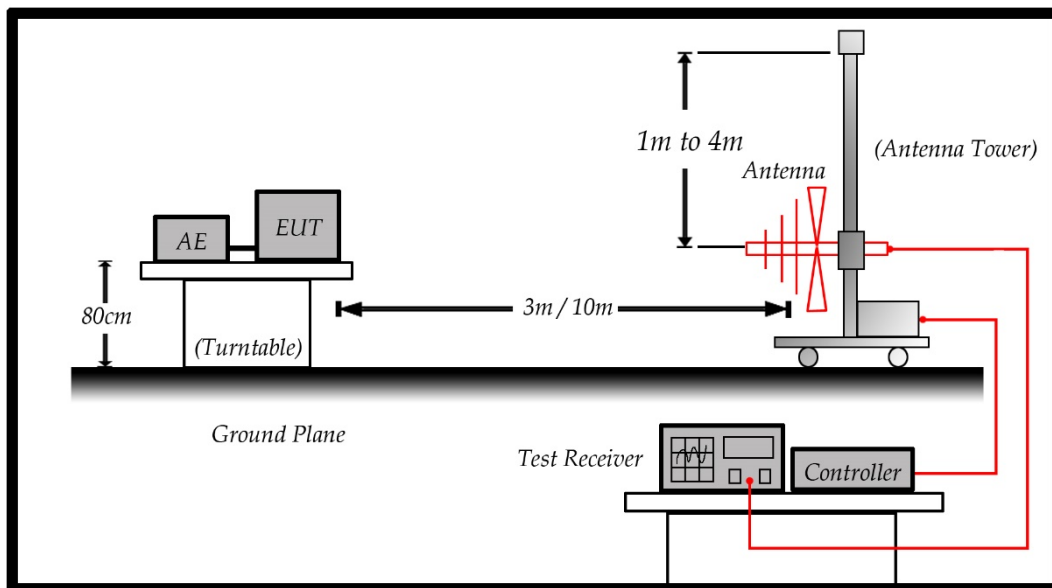
4. Radiated Emission

4.1. Test Specification

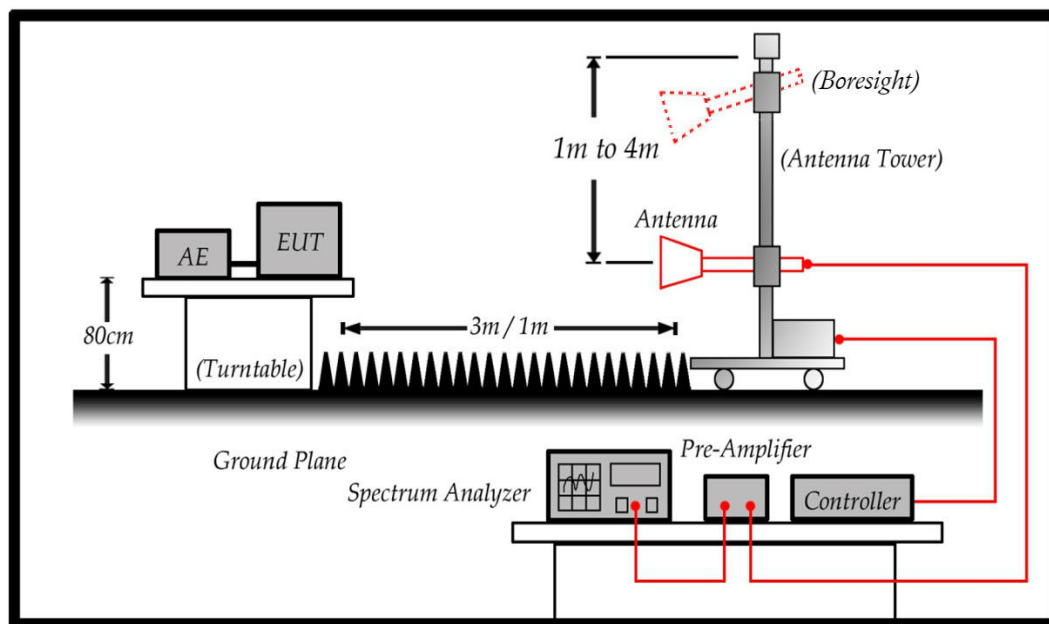
According to Standard : FCC Part 15 Subpart B & CISPR 22

4.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



4.3. Limit

Under 1GHz test shall not exceed the following value:

Limits		
Frequency (MHz)	Distance (m)	dBuV/m
30 – 230	10	30
230 – 1000	10	37

Remark:

1. The tighter limit shall apply at the edge between two frequency bands.
2. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

Above 1GHz test shall not exceed the following value:

FCC Part 15 Subpart B Paragraph 15.109 Limits (dBuV/m)		
Frequency (MHz)	Distance (m)	dBuV/m
30-88	3	40
88-216	3	43.5
216-960	3	46.0
960-1000	3	54
1000-40000	3	54
18000-40000	1	63.5

Remark:

1. The tighter limit shall apply at the edge between two frequency bands.
2. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.
3. RF Voltage (dBuV/m) = 20 log RF Voltage (uV/m)

4.4. Test Procedure

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground.

The turn table can rotate 360 degrees to determine the position of the maximum emission level and the antenna (boresight antenna tower) can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated on radiated measurement.

For an unintentional radiator, including a digital device, the spectrum shall be investigated from the lowest radio frequency signal generated or used in the device, without going below the lowest frequency for which a radiated emission limit is specified, up to the frequency shown in the following table:

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 1.705	30
1.705 – 108	1000
108 – 500	2000
500 – 1000	5000
Above 1000	5 th harmonic of the highest frequency or 40 GHz, whichever is lower

On any frequency or frequencies below or equal to 1000MHz, the radiated limits shown are based on measuring equipment employing a quasi-peak detector function and above 1000MHz, the radiated limits shown are based measuring equipment employing an average detector function.

When average radiated emission measurement are included emission measurement Above 1000MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.

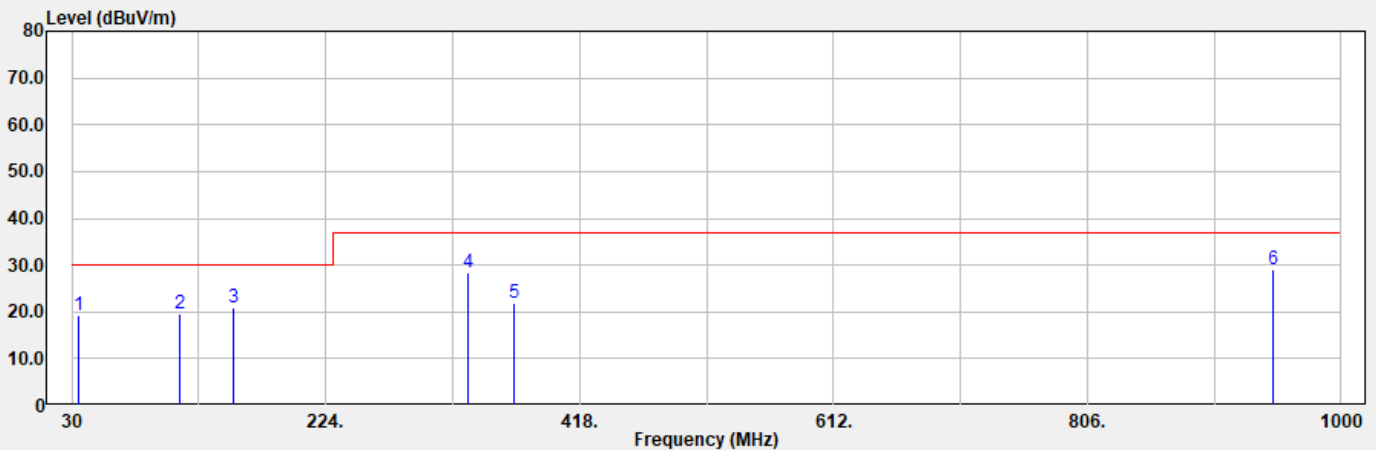
For class A, the measurement distance between the EUT and antenna is 10 meters for under 1GHz and above 1GHz.

For class B, the measurement distance between the EUT and antenna is 10 meters for under 1GHz and 3 meters for above 1GHz.

The bandwidth below 1GHz setting on the field strength meter (Test Receiver) is 120 kHz and above 1GHz is 1MHz.

4.5. Test Result

Model No	END085W	Site	FS-CB01
Test Voltage	AC 120V/60Hz	Test Date	2025-09-04
Test Mode	Mode 1	Engineer	Don Hsu
Polarity	Horizontal	Temperature (°C)	23.6
Test Condition	Test distance 10m	Humidity (%RH)	63

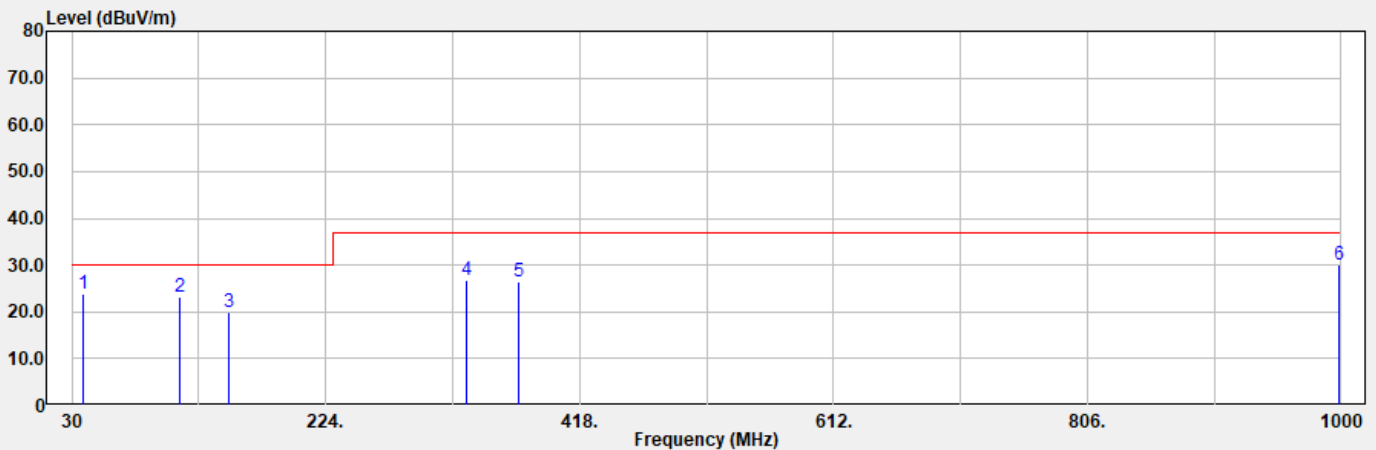


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	35.214	19.12	30.00	-10.88	43.79	-24.67	300	245	QP
2	112.329	19.70	30.00	-10.30	46.03	-26.33	400	182	QP
3	153.554	20.96	30.00	-9.04	44.04	-23.08	400	353	QP
4	332.883	28.26	37.00	-8.74	49.12	-20.86	300	272	QP
5	368.409	21.84	37.00	-15.16	41.86	-20.02	300	289	QP
6*	948.226	29.00	37.00	-8.00	37.17	-8.17	100	319	QP

Remark:

1. "*" means this data is the worst margin; "!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor(Correct Factor=Ant Factor+Cable Loss-Pre Amp).
3. Margin=Emission Level - Limit.

Model No	END085W	Site	FS-CB01
Test Voltage	AC 120V/60Hz	Test Date	2025-09-04
Test Mode	Mode 1	Engineer	Don Hsu
Polarity	Vertical	Temperature (°C)	23.6
Test Condition	Test distance 10m	Humidity (%RH)	63

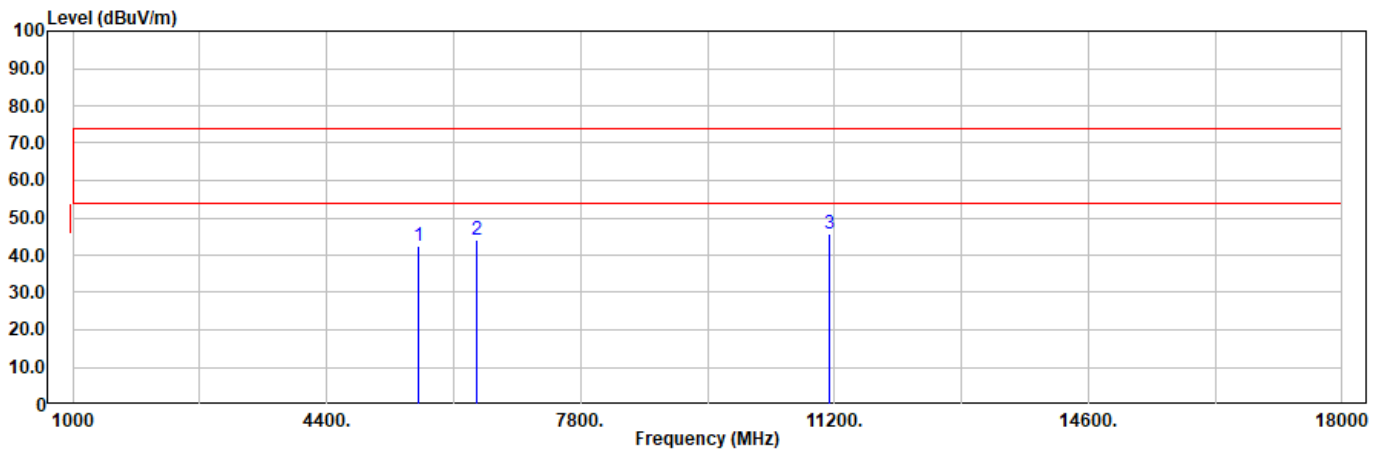


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1*	38.851	23.92	30.00	-6.08	47.59	-23.67	100	2	QP
2	112.086	23.05	30.00	-6.95	48.75	-25.71	100	80	QP
3	150.038	19.95	30.00	-10.05	42.37	-22.42	100	268	QP
4	331.913	26.64	37.00	-10.36	46.92	-20.29	300	331	QP
5	371.925	26.59	37.00	-10.41	45.90	-19.31	100	360	QP
6	998.303	30.11	37.00	-6.89	37.96	-7.85	400	329	QP

Remark:

1. "*" means this data is the worst margin; "!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor(Correct Factor=Ant Factor+Cable Loss-Pre Amp).
3. Margin=Emission Level - Limit.

Model No	END085W	Site	FS-CB04
Test Voltage	AC 120V/60Hz	Test Date	2025-09-02
Test Mode	Mode 1	Engineer	Chuck Chuang
Polarity	Horizontal	Temperature (°C)	24.6
Test Condition	Test distance 3m	Humidity (%RH)	66

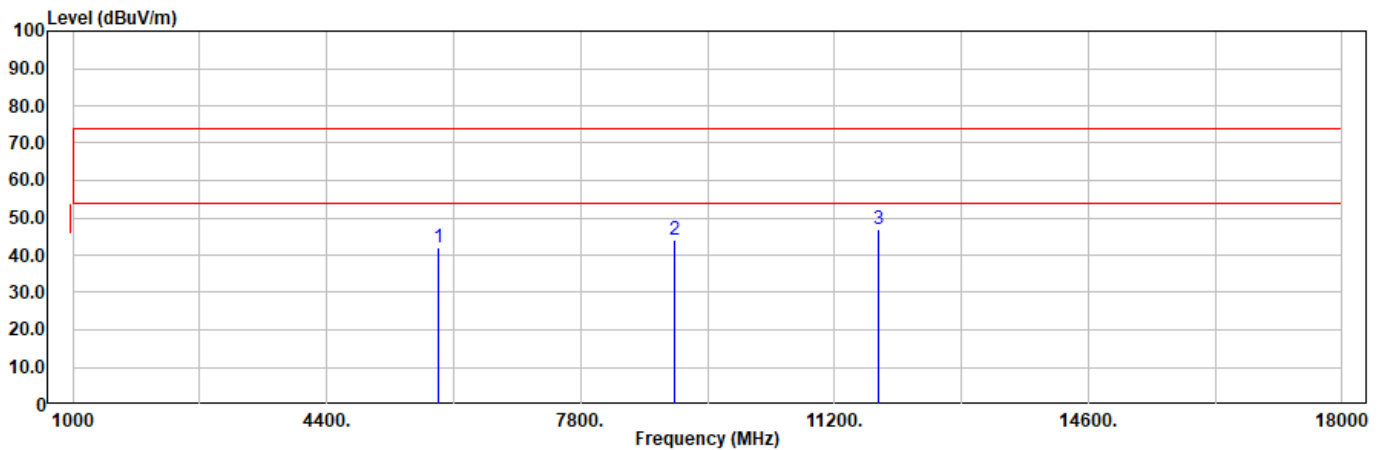


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	5628.250	42.29	74.00	-31.71	46.49	-4.21	100	242	Peak
2	6406.000	44.10	74.00	-29.90	46.44	-2.34	200	211	Peak
3*	11132.000	45.71	74.00	-28.29	42.62	3.09	200	293	Peak

Remark:

1. "*" means this data is the worst margin; "!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor(Correct Factor=Ant Factor+Cable Loss-Pre Amp).
3. Margin=Emission Level - Limit.
4. The above 1 GHz test. When PEAK measures level less than AV limit by 20 dBuV, its average is not measured separately.

Model No	END085W	Site	FS-CB04
Test Voltage	AC 120V/60Hz	Test Date	2025-09-02
Test Mode	Mode 1	Engineer	Chuck Chuang
Polarity	Vertical	Temperature (°C)	24.6
Test Condition	Test distance 3m	Humidity (%RH)	66



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	5887.500	42.24	74.00	-31.76	45.69	-3.45	100	16	Peak
2	9066.500	43.92	74.00	-30.08	45.75	-1.83	100	159	Peak
3*	11782.250	46.86	74.00	-27.14	42.35	4.51	199	360	Peak

Remark:

1. "*" means this data is the worst margin; "!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor(Correct Factor=Ant Factor+Cable Loss-Pre Amp).
3. Margin=Emission Level - Limit.
4. The above 1 GHz test. When PEAK measures level less than AV limit by 20 dBuV, its average is not measured separately.