



FCC TEST REPORT

FCC ID: 2A5EQ-2601SPK1

Product	:	Dolby Soundbar
Model Name	:	GS822
Brand	:	N/A
Report No.	:	PTC25092909802E-FC03
Prepared for		
LTC Networking Limited		
FLAT/RM 1205, 12/F Tai Sang Bank Building 130-132 DES Voeux Road Central HongKong		
Prepared by		
Precise Testing & Certification Co., Ltd.		
Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China		



1 TEST RESULT CERTIFICATION

Applicant's name : LTC Networking Limited

Address : FLAT/RM 1205, 12/F Tai Sang Bank Building 130-132 DES Voeux Road
Central HongKong

Manufacture's name1 : Mybestsound., Co Ltd

Address : Room 401, No. 10, Wutai Road, Shutian, Humen Town, Dongguan City,
Guangdong Province, China

Product name : Dolby Soundbar

Model name : GS822

Standards : FCC Part15 Subpart C, Paragraph 15.249

Test procedure : ANSI C63.10-2020

Test Date : December 22, 2025 to June 08, 2026

Date of Issue : June 08, 2026

Test Result : Pass

This device described above has been tested by PTC, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Test Engineer:

A handwritten signature in black ink, appearing to read 'Jack Zhou'.

Jack zhou / Engineer

Technical Manager:

A handwritten signature in black ink, appearing to read 'Simon Pu'.

Simon Pu / Manager



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2 Test Summary

Standard Section	Test Item	Result
15.203	Antenna Requirement	PASS
15.207	Conducted Emission	PASS
15.249	Radiated Emission	PASS
15.215(c)	20dB Bandwidth	PASS
15.249(d)	Band Edge	PASS
Remark: "N/A" is an abbreviation for Not Applicable.		

Remark:N/A



Report No.: PTC25092909802E-FC03

2.1 Test Site

Precise Testing & Certification Co., Ltd.

Address: Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China

FCC Registration Number: 790290

A2LA Certificate No.: 4408.01

IC Registration Number: 12191A



3 General Information

3.1 General Description of E.U.T.

Product Name	:	Dolby Soundbar
Model Name	:	GS822
Operation Frequency	:	5730-5850MHz
Modulation	:	GFSK
Number of Channels	:	31
Antenna installation	:	PCB antenna
Antenna Gain	:	4.24 dBi
Power supply	:	Adapter: Input:100V-240V~ 50/60Hz 1.5A Output:24V $\overline{\overline{=}}$ 3A
Hardware Version	:	FLKS-SPA300NA-V2.0
Software Version	:	N/A



3.2 Channel List

The EUT has been tested under its typical operating condition. Pre-defined engineering program for regulatory testing used to control the EUT for staying in continuous transmitting. Only the worst case data were reported.

The EUT has been associated with peripherals pursuant to ANSI C63.10-2020 and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: radiation (9 KHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower).

The details of test channels and bandwidth were for RF conductive measurement.

Channel List:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	5730	16	5794
1	5734	17	5798
2	5738	18	5802
3	5742	19	5806
4	5746	20	5810
5	5750	21	5814
6	5754	22	5818
7	5758	23	5822
8	5762	24	5826
9	5766	25	5830
10	5770	26	5834
11	5774	27	5838
12	5778	28	5842
13	5782	29	5846
14	5786	30	5850
15	5790		

Note:

1. Test of channel was included the lowest 5730MHz, middle 5790MHz and highest frequency 5850MHz in highest data rate and to perform the test, then record on this report.



4 Equipment During Test

4.1 Equipments List

RF Conducted Test

Name of Equipment	Manufacturer	Model	Serial No.	Characteristics	Last Calibration	Calibration Interval
MXG Signal Analyzer	Agilent	N9020A	SER MY5111038	10Hz-26.5GHz	Aug.14, 2025	1 Year
Coaxial Cable	CDS	79254	46107086	10Hz-30GHz	Aug.14, 2025	1 Year
Power Meter	Anritsu	ML2495A	0949003	300MHz-40GHz	Aug.14, 2025	1 Year
Power Sensor	Anritsu	MA2411B	0917017	300MHz-40GHz	Aug.14, 2025	1 Year
DC power Supply	Agilent	E3642A	MY52420017	0-8V,5A/0-20 ,2.5A	Aug.14, 2025	1 Year
Test S/W	Tonscend	JS1120-3	/	/	/	/

Remark: The temporary antenna connector is soldered on the PCB board in order to perform conducted tests and this temporary antenna connector is listed in the equipment list.

Radiated Emissions

Name of Equipment	Manufacturer	Model	Serial No.	Characteristics	Last Calibration	Calibration Interval
EMI Test Receiver	Rohde&Schwarz	ESPI7	101671	9KHz-7GHz	Aug.14, 2025	1 Year
Loop Antenna	Schwarzbeck	FMZB 1519	192	9 KHz -30MHz	Nov.27, 2025	1 Year
Bilog Antenna	SCHWARZBECK	VULB9160	9160-3355	25MHz-2GHz	Sep.09, 2025	1 Year
Preamplifier (low frequency)	SCHWARZBECK	BBV 9475	9745-0013	9KHz-1GHz	Mar.21, 2025	1 Year
Preamplifier (low frequency)	SCHWARZBECK	BBV 9475	9745-0013	9KHz-1GHz	Mar.20, 2026	1 Year
Cable	IMRO	AK-9515E(9m)	Cable-L	9KHz-3GHz	Aug.14, 2025	1 Year
Spectrum Analyzer	Rohde&Schwarz	FSV40	6625-01-588-5515	9KHz-40GHz	Aug.14, 2025	1 Year
Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1246	1GHz-18GHz	Dec.11, 2025	1 Year



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Power Amplifier	ZHINAN	ZN3380C	15002	1GHz-26.5GHz	Aug.14, 2025	1 Year
Horn Antenna	SCHWARZBECK	BBHA 9170	9170-1066	15GHz-40GHz	Jun. 23, 2025	1 Year
Amplifier	SCHWARZBECK	BBV 9721	9721-205	18GHz-40GHz	Jun. 23, 2025	1 Year
Cable	H+S	CBL-26	N/A	1GHz-26.5GHz	Aug.14, 2025	1 Year
RF Cable	R&S	R204	R21X	1GHz-40GHz	Aug.14, 2025	1 Year
Test S/W	Tonscend	TS+	/	/	/	/

Conducted Emissions

Name of Equipment	Manufacturer	Model	Serial No.	Characteristics	Calibration Date	Calibration Interval
EMI Test Receiver	Rohde&Schwarz	ESCI3	101417	9KHz-3GHz	Aug.14, 2025	1 Year
Artificial Mains Network	Rohde&Schwarz	ENV216	102453	9KHz-300MHz	Oct.29, 2025	1 Year
Limiter	R&S	ESH3-Z2	0357.8810.54-102808-NB	0Hz-30MHz	Aug.14, 2025	1 Year
RF Switch	DIAMOND ANTENNA	CX-210	/	0.09MHz-6GHz	Mar. 21,2025	1 Year
RF Switch	DIAMOND ANTENNA	CX-210	/	0.09MHz-6GHz	Mar. 20,2026	1 Year
Test S/W	Tonscend	JS32-CE	/	/	/	/



4.2 Measurement Uncertainty

Parameter	Uncertainty
RF output power, conducted	$\pm 1.0\text{dB}$
Power Spectral Density, conducted	$\pm 2.2\text{dB}$
Radio Frequency	$\pm 1 \times 10^{-6}$
Bandwidth	$\pm 1.5 \times 10^{-6}$
Time	$\pm 2\%$
Duty Cycle	$\pm 2\%$
Temperature	$\pm 1^\circ\text{C}$
Humidity	$\pm 5\%$
DC and low frequency voltages	$\pm 3\%$
Conducted Emissions (150kHz~30MHz)	$\pm 3.64\text{dB}$
Radiated Emission(30MHz~1GHz)	$\pm 5.03\text{dB}$
Radiated Emission(1GHz~25GHz)	$\pm 4.74\text{dB}$
Radiated Emission(9KHz~30MHz)	$\pm 3.15\text{dB}$

4.3 Description of Support Units

Equipment	Model No.	Series No.
N/A	N/A	N/A

5 Conducted Emission

Test Requirement	: FCC CFR 47 Part 15 Section 15.207
Test Method	: ANSI C63.10-2020
Test Result	: PASS
Frequency Range	: 150kHz to 30MHz
Class/Severity	: Class B

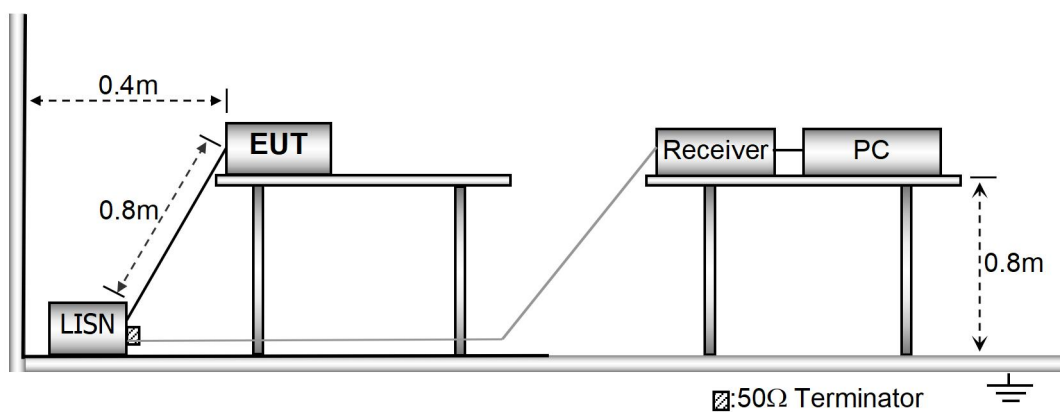
5.1 E.U.T. Operation

Operating Environment :

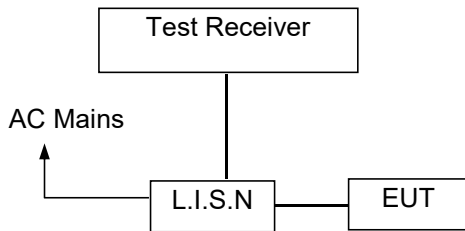
Temperature	: 25.5 °C
Humidity	: 51 % RH
Atmospheric Pressure	: 101.2kPa

5.2 EUT Setup

The conducted emission tests were performed using the setup accordance with the ANSI C63.10:2020.



5.3 Test SET-UP (Block Diagram of Configuration)



5.4 Measurement Procedure

1. The EUT was placed on a table, which is 0.8m above ground plane.
2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
3. Repeat above procedures until all frequency measured was complete.

5.5 Conducted Emission Limit

Conducted Emission		
Frequency(MHz)	Quasi-peak	Average
0.15-0.5	66-56	56-46
0.5-5.0	56	46
5.0-30.0	60	50

Note:

1. The lower limit shall apply at the transition frequencies
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

5.6 Measurement Description

The maximised peak emissions from the EUT was scanned and measured for both the Live and Neutral Lines. Quasi-peak & average measurements were performed if peak emissions were within 6dB of the average limit line.

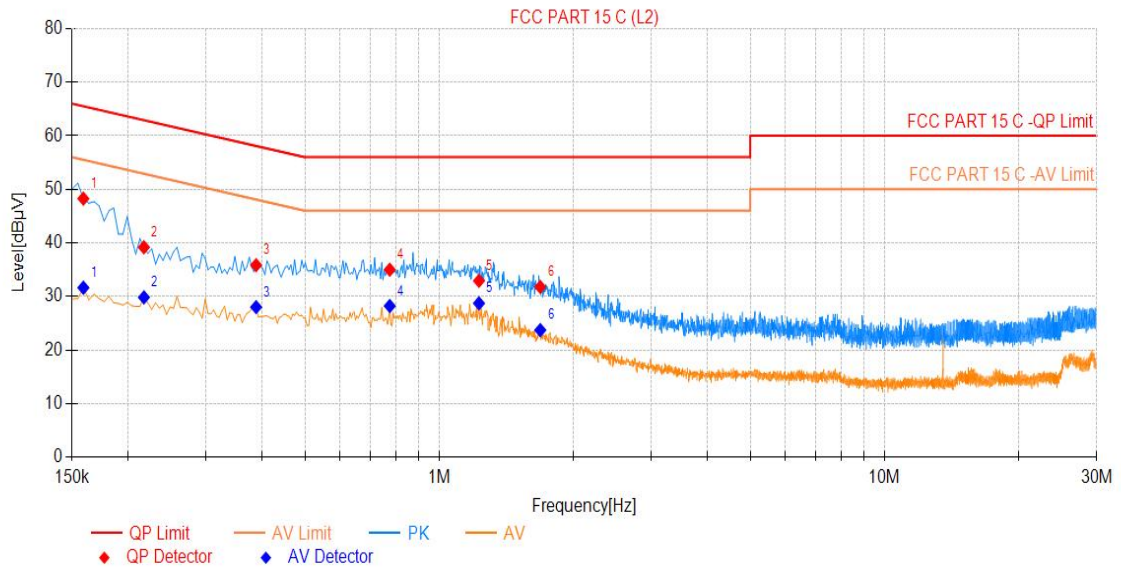
All the modulation modes were tested the data of the worst mode (AC 120V/60Hz, GFSK TX 5730MHz) are recorded in the following pages and the others modulation methods do not exceed the limits.

5.7 Conducted Emission Test Result

Pass



Line -120V/60Hz:



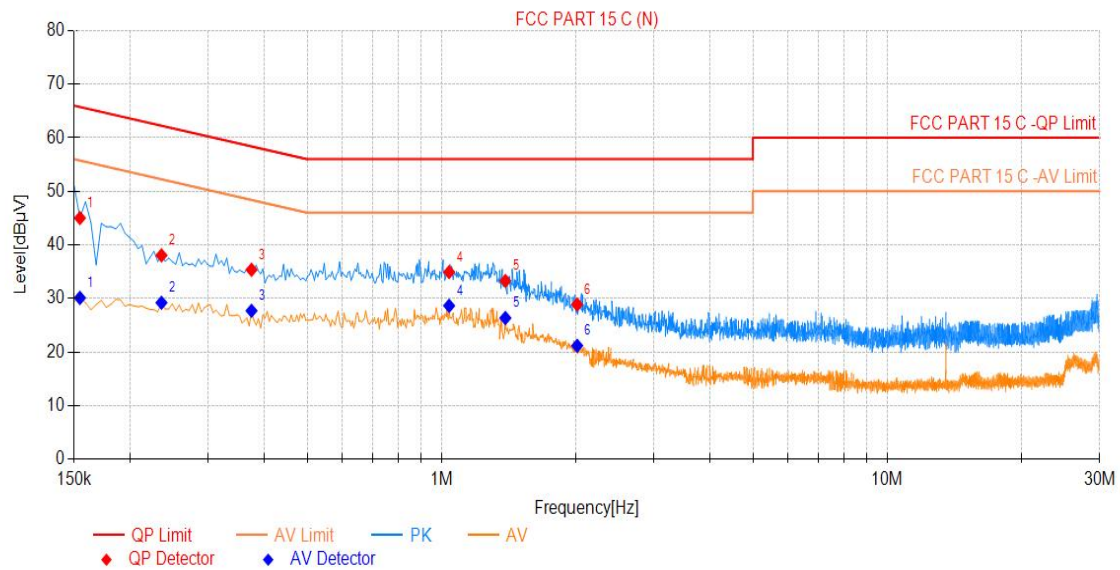
Final Data List

NO.	Freq. [MHz]	QP Reading	Factor [dB]	QP Value	QP Limit	QP Margin	AV Reading	AV Value	AV Limit	AV Margin	Verdict
1	0.159	38.38	9.88	48.26	65.52	17.26	21.74	31.62	55.52	23.90	PASS
2	0.218	29.27	9.91	39.18	62.91	23.73	19.91	29.82	52.91	23.09	PASS
3	0.389	25.89	9.95	35.84	58.10	22.26	18.05	28.00	48.10	20.10	PASS
4	0.776	24.99	10.00	34.99	56.00	21.01	18.21	28.21	46.00	17.79	PASS
5	1.230	22.92	10.00	32.92	56.00	23.08	18.71	28.71	46.00	17.29	PASS
6	1.689	21.77	10.00	31.77	56.00	24.23	13.71	23.71	46.00	22.29	PASS



Neutral -120V/60Hz:

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Final Data List

NO.	Freq. [MHz]	QP Reading	Factor [dB]	QP Value	QP Limit	QP Margin	AV Reading	AV Value	AV Limit	AV Margin	Verdict
1	0.155	35.15	9.86	45.01	65.75	20.74	20.24	30.10	55.75	25.65	PASS
2	0.236	28.16	9.88	38.04	62.25	24.21	19.32	29.20	52.25	23.05	PASS
3	0.375	25.40	9.95	35.35	58.39	23.04	17.74	27.69	48.39	20.70	PASS
4	1.041	24.96	9.96	34.92	56.00	21.08	18.67	28.63	46.00	17.37	PASS
5	1.392	23.31	9.96	33.27	56.00	22.73	16.39	26.35	46.00	19.65	PASS
6	2.018	18.90	9.97	28.87	56.00	27.13	11.19	21.16	46.00	24.84	PASS

Note:QP Margin[dB]= QP Limit[dBμV]- QP Value[dBμV], AV Margin[dB]= AV Limit[dBμV]- AV Value[dBμV].

6 Radiated Emission and Band Edge

6.1 Test Standard and Limit

Test Standard	FCC Part15 C Section 15.209 and 15.205				
Test Limit	Frequency (MHz)	Field strength (microvolt/meter)	Limit (dBuV/m)	Remark	Measurement distance (m)
	0.009MHz~0.490MHz	2400/F(kHz)	-	-	300
	0.490MHz-1.705MHz	24000/F(kHz)	-	-	30
	1.705MHz-30MHz	30	-	-	30
	30MHz~88MHz	100	40.0	Quasi-peak	3
	88MHz~216MHz	150	43.5	Quasi-peak	3
	216MHz~960MHz	200	46.0	Quasi-peak	3
	960MHz~1000MHz	500	54.0	Quasi-peak	3
	Above 1000MHz	500	54.0	Average	3
		-	74.0	Peak	3

Remark:

(1)The lower limit shall apply at the transition frequency.

(2) §15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.

(3) §15.249(d), Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in 8 15.209, whichever is the lesser attenuation.

Test Standard	FCC Part15 C Section 15.249					
Test Limit	Frequency (MHz)	Field Strength of fundamental ((millivolts /meter)	Field Strength of Harmonics (microvolts/meter)	Limit (dBuV/m)	Remark	Measurement distance (m)
	5725~5875	50	-	114.0	Peak	3
	5725~5875	50	-	94.0	Average	3
	5725~5875	-	500	74.0	Peak	3
	5725~5875	-	500	54.0	Average	3
Remark: (1) 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.						

6.2 Test Setup

Figure 1. Below 30MHz

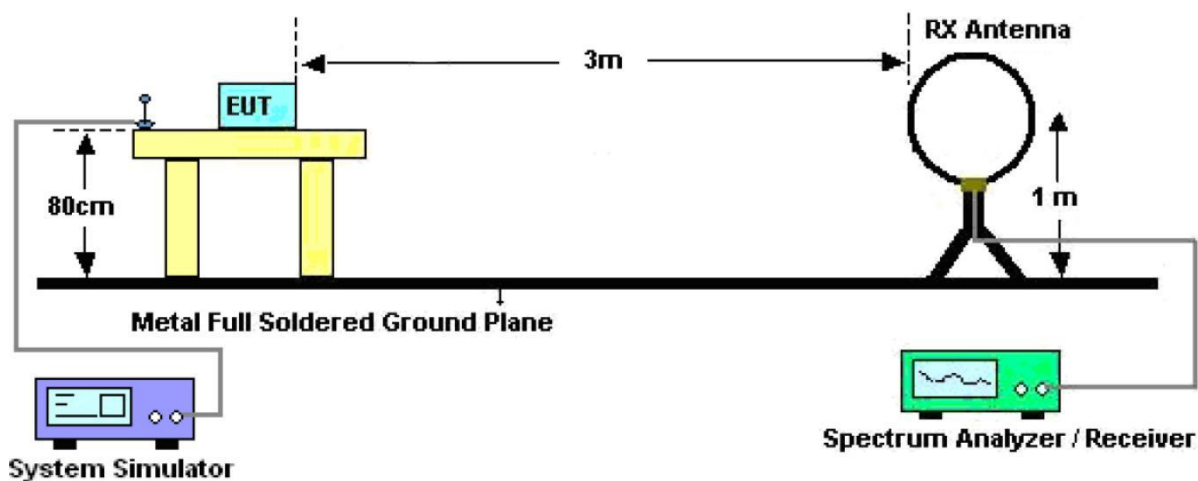


Figure 2. 30MHz to 1GHz

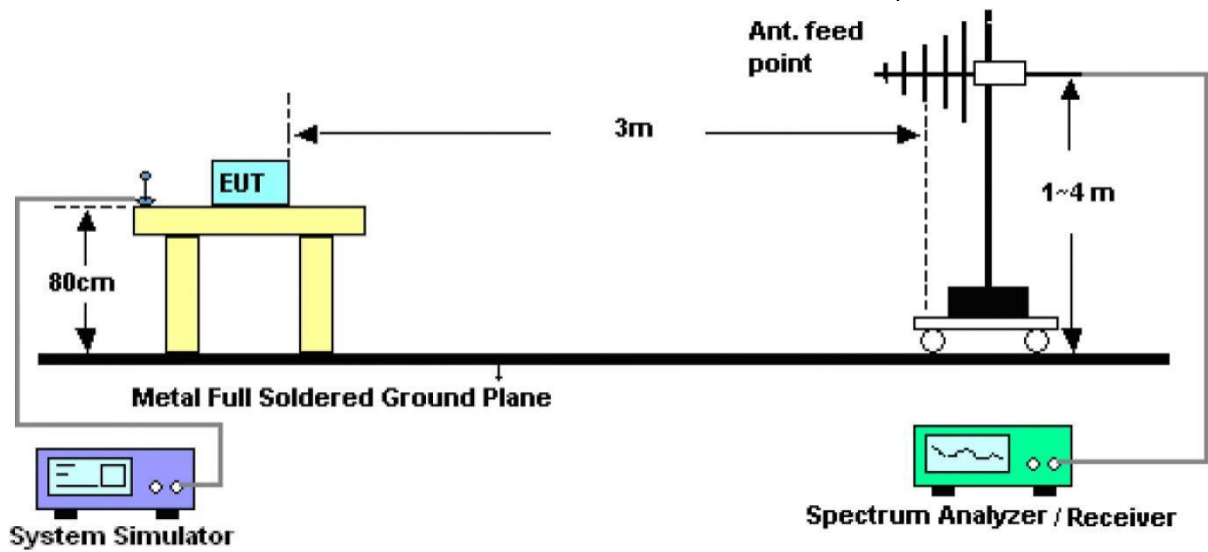
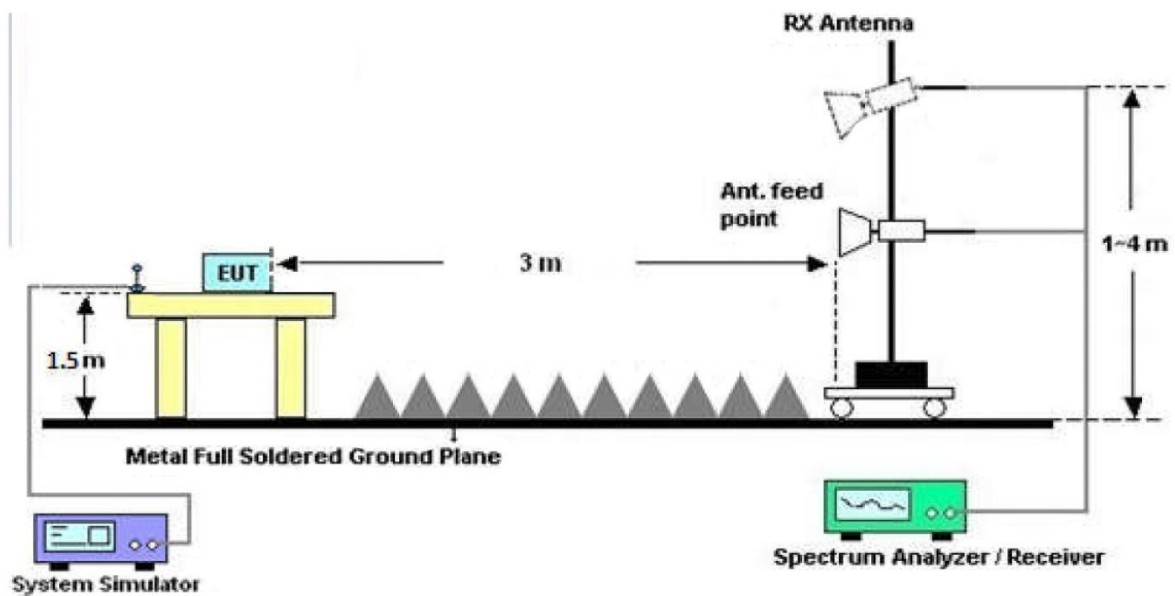


Figure 3. Above 1 GHz



6.3 Test Procedure

For below 1GHz: The EUT is placed on a turntable, which is 0.8m above the ground plane.

For above 1GHz: The EUT is placed on a turntable, which is 1.5m above the ground plane.



The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna which is mounted on an antenna tower. The antenna can be moved up and down from 1 to 4 meters to find out the maximum emission level. Rotated the EUT through three orthogonal axes to determine the maximum emissions, both horizontal and vertical polarization of the antenna are set on test. The EUT is tested in 9*6*6 Chamber. The device is evaluated in xyz orientation.

For the radiated emission test above 1GHz:

Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.

For 9kHz to 150kHz, Set the spectrum analyzer as:

RBW = 200Hz, VBW = 1kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

For 150kHz to 30MHz, Set the spectrum analyzer as:

RBW = 9kHz, VBW = 30kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

For 30MHz to 1000MHz, Set the spectrum analyzer as:

RBW = 100kHz, VBW = 300kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

.

For above 1GHz, Set the spectrum analyzer as:

RBW = 1MHz, VBW = 1MHz, Detector= Peak, Trace mode= Max hold, Sweep- auto couple.

RBW = 1MHz, VBW = 10Hz, Detector= Average, Trace mode= Max hold, Sweep- auto couple.



6.4 Test Data

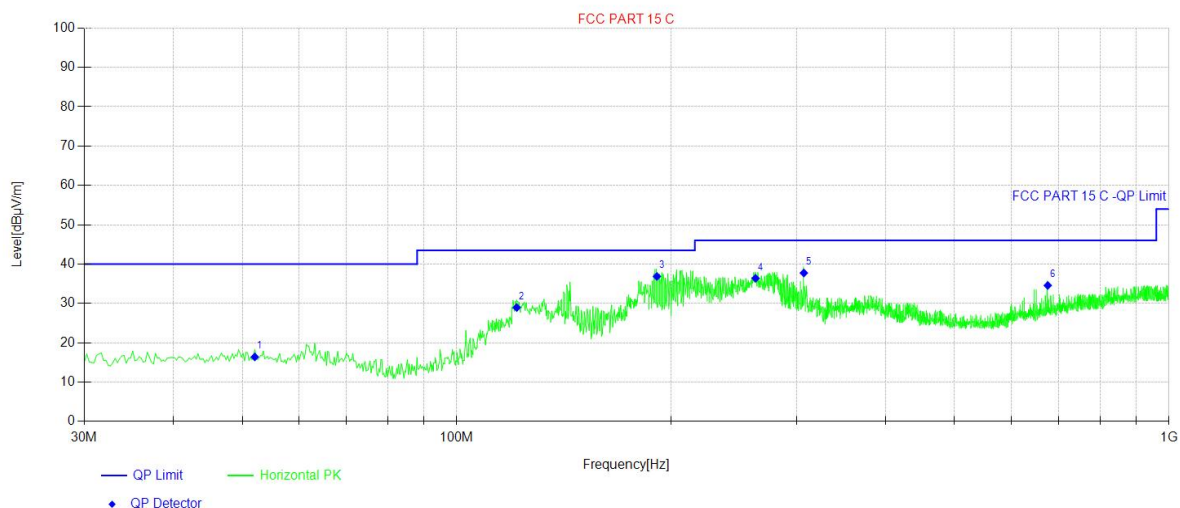
PASS

During the test, Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the X-axis is the worst case.

The test results of 9kHz-30MHz was attenuated more than 20dB below the permissible limits, so the results don't record in the report.

During the test, pre-scan all the modes, and found the Middle channel which is the worst case, only the worst case(AC 120V/60Hz, GFSK TX 5730MHz) is recorded in the report

Test plot for Horizontal

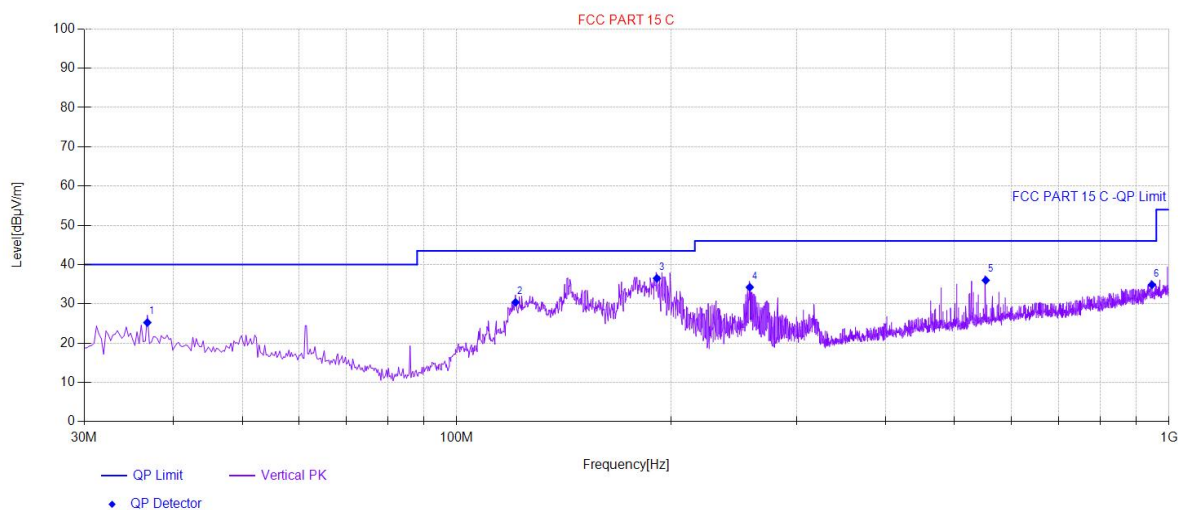


Final Data List[QP]

NO.	Freq. [MHz]	QP Reading [dBμV/m]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Polarity	Verdict
1	52.07	26.37	-9.97	16.40	40.00	23.60	Horizontal	PASS
2	121.42	38.91	-9.96	28.95	43.50	14.55	Horizontal	PASS
3	191.02	48.09	-11.22	36.87	43.50	6.63	Horizontal	PASS
4	262.80	45.07	-8.68	36.39	46.00	9.61	Horizontal	PASS
5	307.18	44.85	-7.10	37.75	46.00	8.25	Horizontal	PASS
6	675.78	33.14	1.43	34.57	46.00	11.43	Horizontal	PASS

Remark:Emission Level=Reading+Cable Loss+ANT Factor-AMP Factor

Test plot for Vertical



Final Data List[QP]

NO.	Freq. [MHz]	QP Reading [dBμV/m]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Polarity	Verdict
1	36.79	35.78	-10.54	25.24	40.00	14.76	Vertical	PASS
2	120.94	40.41	-10.01	30.40	43.50	13.10	Vertical	PASS
3	191.02	47.7	-11.22	36.48	43.50	7.02	Vertical	PASS
4	257.95	43.07	-8.84	34.23	46.00	11.77	Vertical	PASS
5	553.07	37.21	-1.21	36.00	46.00	10.00	Vertical	PASS
6	946.41	28.46	6.40	34.86	46.00	11.14	Vertical	PASS

Remark:Emission Level=Reading+Cable Loss+ANT Factor-AMP Factor



Test Frequency 1GHz-40GHz

Test Mode: Low Channel 5730MHz									
NO	Freq. [MHz]	PK Reading [dBμV]	Factor [dB/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	Detector	Polarity	Verdict
1	5730	79.53	8.6	88.13	114	25.87	Peak	Horizontal	PASS
2	11460	31.52	19.02	50.54	74	23.46	Peak	Horizontal	PASS
3	17190	32.32	20.91	53.23	74	20.77	Peak	Horizontal	PASS
4	5730	71.38	8.6	79.98	114	34.02	Peak	Vertical	PASS
5	11460	31.18	19.02	50.20	74	23.80	Peak	Vertical	PASS
6	17190	34.13	20.91	55.04	74	18.96	Peak	Vertical	PASS
NO	Freq. [MHz]	AV Reading [dBμV]	Factor [dB/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity	Verdict
1	5730	70.21	8.6	78.81	94	15.19	AV	Horizontal	PASS
2	11460	21.01	19.02	40.03	54	13.97	AV	Horizontal	PASS
3	17190	25.89	20.91	46.80	54	7.20	AV	Horizontal	PASS
4	5730	65.30	8.6	73.90	94	20.10	AV	Vertical	PASS
5	11460	22.24	19.02	41.26	54	12.74	AV	Vertical	PASS
6	17190	27.83	20.91	48.74	54	5.26	AV	Vertical	PASS



Test Mode: Middle Channel 5790MHz

NO	Freq. [MHz]	PK Reading [dBμV]	Factor [dB/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	Detector	Polarity	Verdict
1	5790	76.54	8.73	85.27	114	28.73	Peak	Horizontal	PASS
2	11580	21.33	19.02	40.35	74	33.65	Peak	Horizontal	PASS
3	17370	32.37	20.91	53.28	74	20.72	Peak	Horizontal	PASS
4	5790	74.72	8.73	83.45	114	30.55	Peak	Vertical	PASS
5	11580	29.39	19.02	48.41	74	25.59	Peak	Vertical	PASS
6	17370	35.44	20.91	56.35	74	17.65	Peak	Vertical	PASS
NO	Freq. [MHz]	AV Reading [dBμV]	Factor [dB/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity	Verdict
1	5790	66.54	8.73	75.27	94	18.73	AV	Horizontal	PASS
2	11580	22.64	19.02	41.66	54	12.34	AV	Horizontal	PASS
3	17370	28.00	20.91	48.91	54	5.09	AV	Horizontal	PASS
4	5790	68.67	8.73	77.40	94	16.60	AV	Vertical	PASS
5	11580	23.98	19.02	43.00	54	11.00	AV	Vertical	PASS
6	17370	25.29	20.91	46.20	54	7.80	AV	Vertical	PASS



Test Mode: High Channel 5850MHz

NO	Freq. [MHz]	PK Reading [dBμV]	Factor [dB/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	Detector	Polarity	Verdict
1	5850	74.58	8.87	83.45	114	30.55	Peak	Horizontal	PASS
2	11700	30.74	18.88	49.62	74	24.38	Peak	Horizontal	PASS
3	17550	32.37	23.13	55.50	74	18.50	Peak	Horizontal	PASS
4	5850	73.97	8.87	82.84	114	31.16	Peak	Vertical	PASS
5	11700	33.25	18.88	52.13	74	21.87	Peak	Vertical	PASS
6	17550	33.19	23.13	56.32	74	17.68	Peak	Vertical	PASS
NO	Freq. [MHz]	AV Reading [dBμV]	Factor [dB/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity	Verdict
1	5850	67.03	8.87	75.90	94	18.10	AV	Horizontal	PASS
2	11700	22.26	18.88	41.14	54	12.86	AV	Horizontal	PASS
3	17550	24.08	23.13	47.21	54	6.79	AV	Horizontal	PASS
4	5850	64.07	8.87	72.94	94	21.06	AV	Vertical	PASS
5	11700	23.04	18.88	41.92	54	12.08	AV	Vertical	PASS
6	17550	26.24	23.13	49.37	54	4.63	AV	Vertical	PASS

Note:

- Factor = Antenna Factor + Cable Loss – Pre-amplifier.
Emission Level = Reading + Factor
Margin=Emission Level-Limit
- 18G-40GHz Radiated emission levels are under the noise floor.



Band Edge 5725-5875MHz

Test Mode: Low Channel 5730MHz									
NO	Freq. [MHz]	PK Reading [dBμV]	Factor [dB/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	Detector	Polarity	Verdict
1	5725	32.84	8.59	41.43	74	32.57	Peak	Horizontal	PASS
2	5725	32.10	8.59	40.69	74	33.31	Peak	Vertical	PASS
NO	Freq. [MHz]	AV Reading [dBμV]	Factor [dB/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity	Verdict
3	5725	22.49	8.59	31.08	54	22.92	AV	Horizontal	PASS
4	5725	23.10	8.59	31.69	54	22.31	AV	Vertical	PASS

Test Mode: High Channel 5850MHz									
NO	Freq. [MHz]	PK Reading [dBμV]	Factor [dB/m]	PK Value [dBμV/m]	PK Limit [dBμV/m]	PK Margin [dB]	Detector	Polarity	Verdict
1	5875	30.52	8.87	39.39	74	34.61	Peak	Horizontal	PASS
2	5875	32.84	8.87	41.71	74	32.29	Peak	Vertical	PASS
NO	Freq. [MHz]	AV Reading [dBμV]	Factor [dB/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Detector	Polarity	Verdict
3	5875	23.61	8.87	32.48	54	21.52	AV	Horizontal	PASS
4	5875	21.76	8.87	30.63	54	23.37	AV	Vertical	PASS

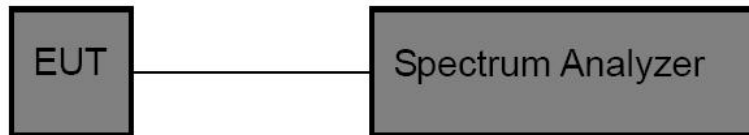


7 20dB Bandwidth Test

7.1 Test Standard and Limit

Test Standard	FCC Part15 C Section 15.215(c)
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7.2 Test Setup



7.3 Test Procedure

1. Place the EUT on the table and set it in the transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
3. Set the spectrum analyzer as:
RBW = 1% to 5% of the OBW, $VBW \geq 3 \times RBW$,
Detector= Average
Trace mode= Max hold.
Sweep- auto couple.
4. Mark the peak frequency and –20dB (upper and lower) frequency.
5. Repeat until all the rest channels are investigated.

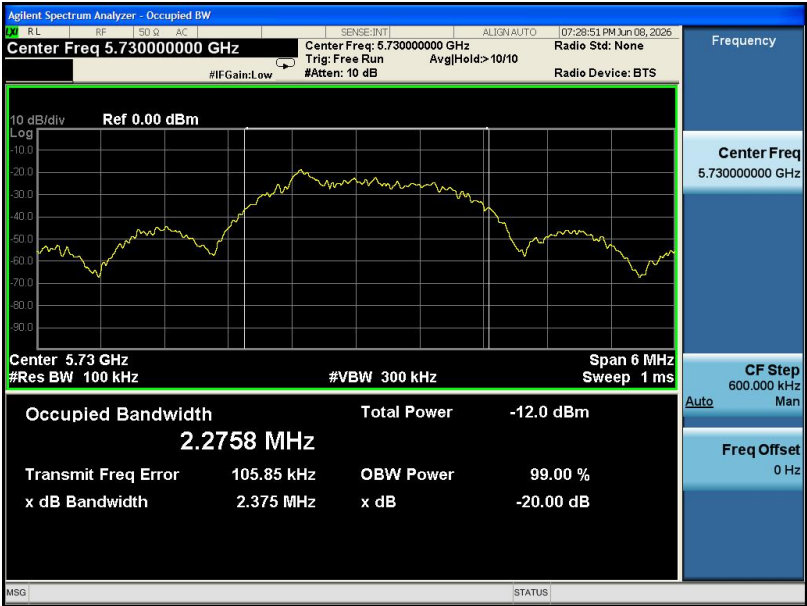


7.4 Test Data

Test Item	: 20dB Bandwidth	Test Mode	: TX
Test Voltage	: AC 120V	Temperature	: 22.4°C
Test Result	: PASS	Humidity	: 55%RH

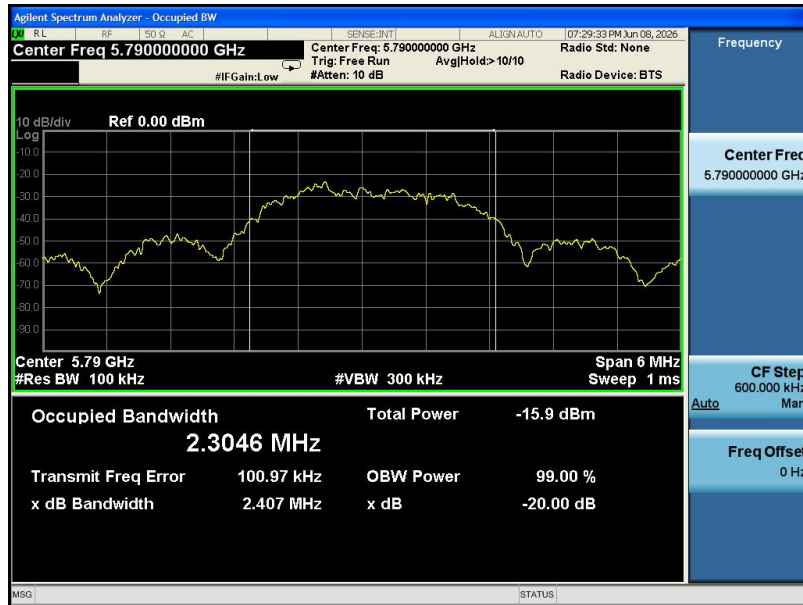
Frequency (MHz)	20dB Bandwidth (KHz)	Result
5730	2375	PASS
5790	2407	PASS
5850	2507	PASS

Test Mode: Low





Test Mode: Middle



Test Mode: High





8 Antenna Requirement

8.1 Test Standard and Requirement

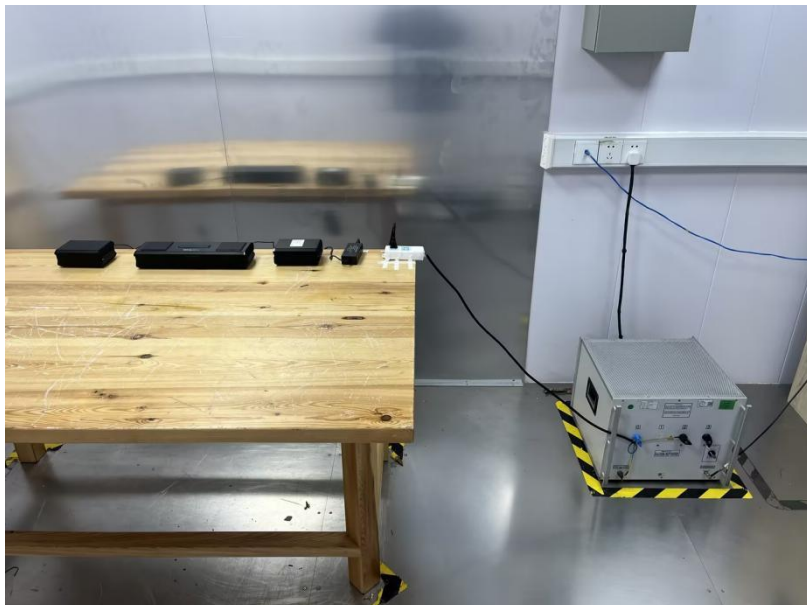
Test Standard	FCC Part15 Section 15.203
Requirement	1) 15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique 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.

8.2 Antenna Connected Construction

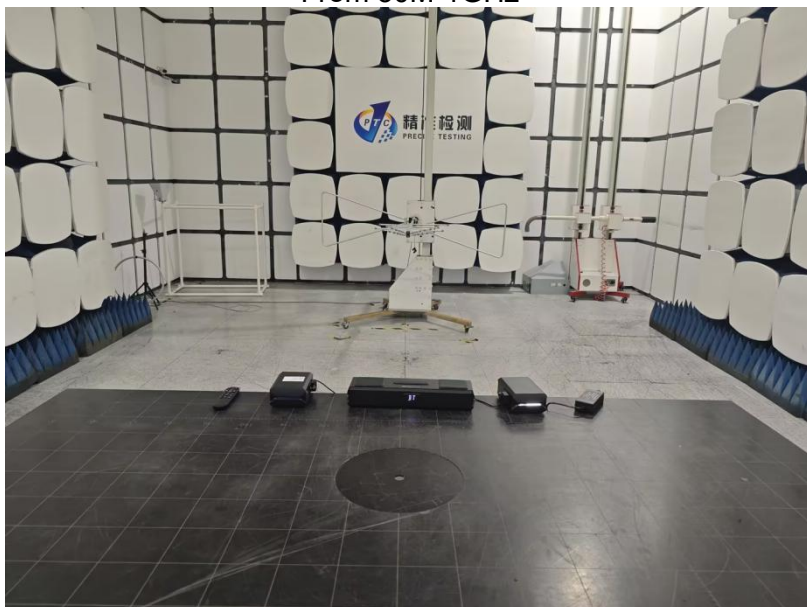
The antenna is a PCB antenna which permanently attached, and the best case gain of the antenna is 4.24 dBi. It complies with the standard requirement.

9 APPENDIX I -- TEST SETUP PHOTOGRAPH

Conducted Emissions

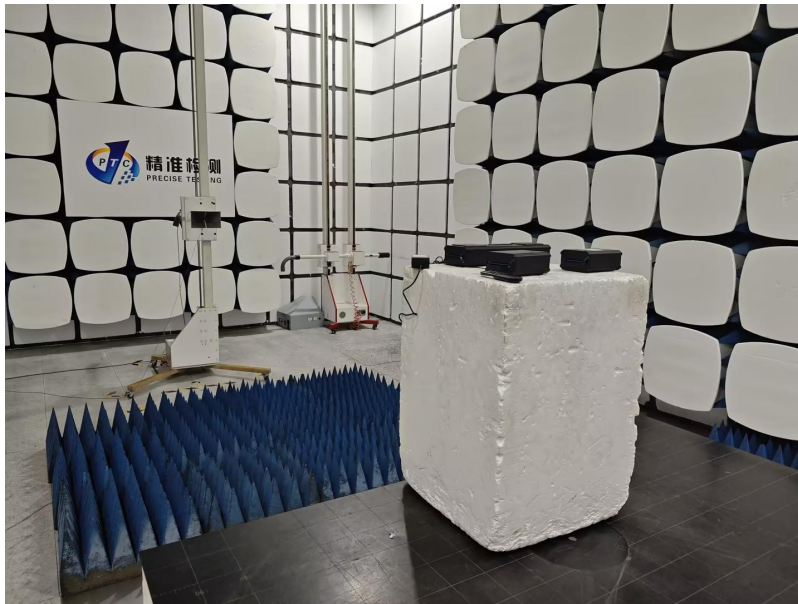


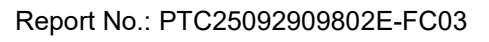
Radiated Emissions
From 30M-1GHz





Above 1GHz





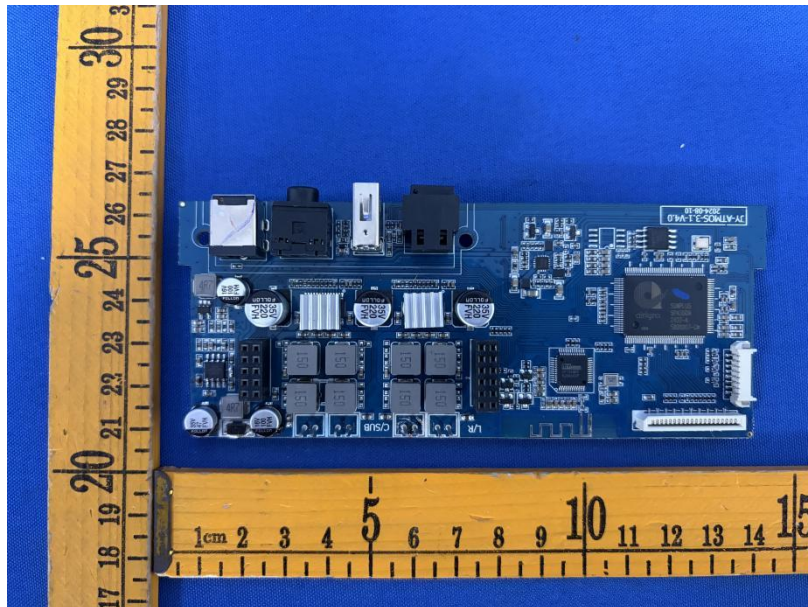
A photograph of a Pioneer Hi-Fi system, including a turntable, amplifier, tuner, and various cables, laid out on a blue surface with a yellow measuring tape for scale. The turntable is a large, black, square unit with a circular platter. The amplifier and tuner are smaller, black, rectangular units. There are several cables, including a power cord, a speaker cable, and a remote control. A yellow measuring tape is placed horizontally across the top and bottom of the equipment for scale.

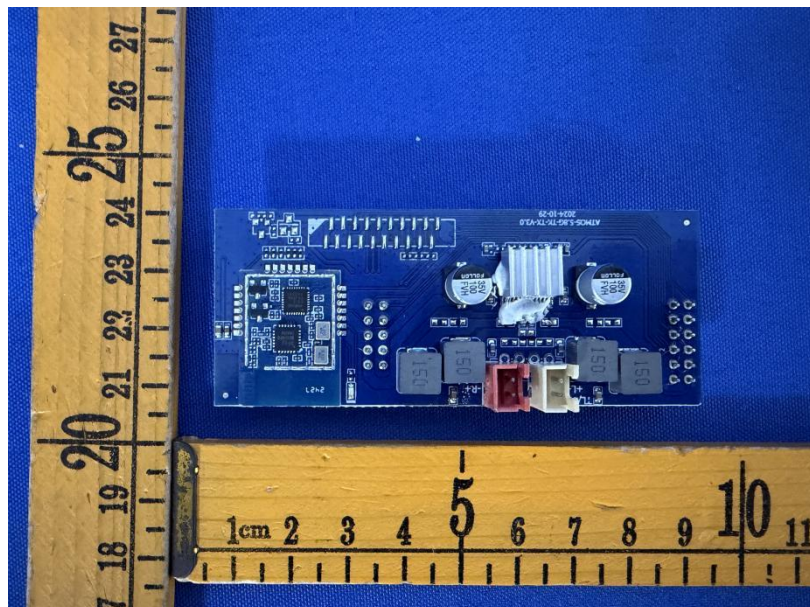
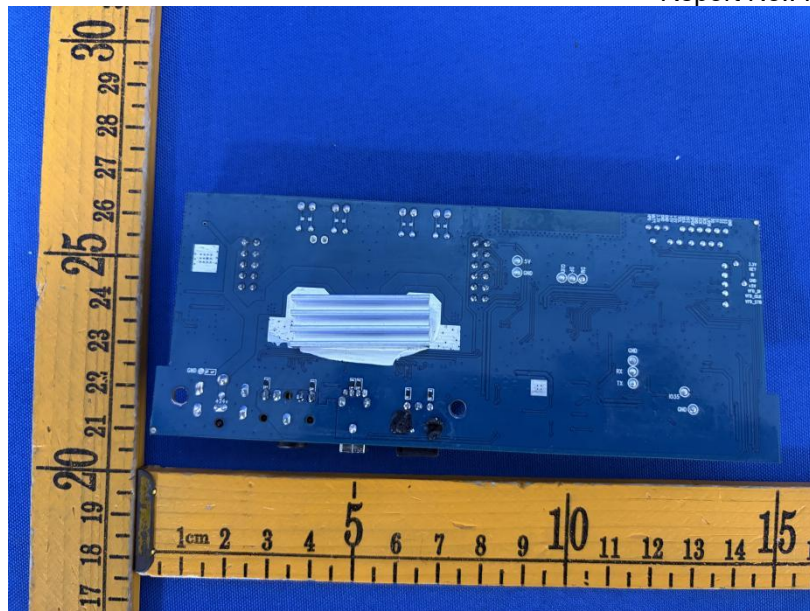


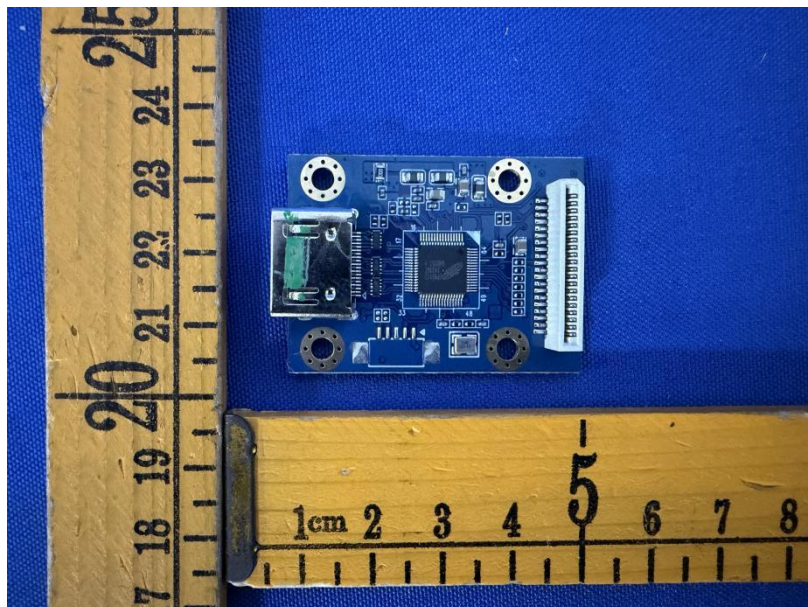
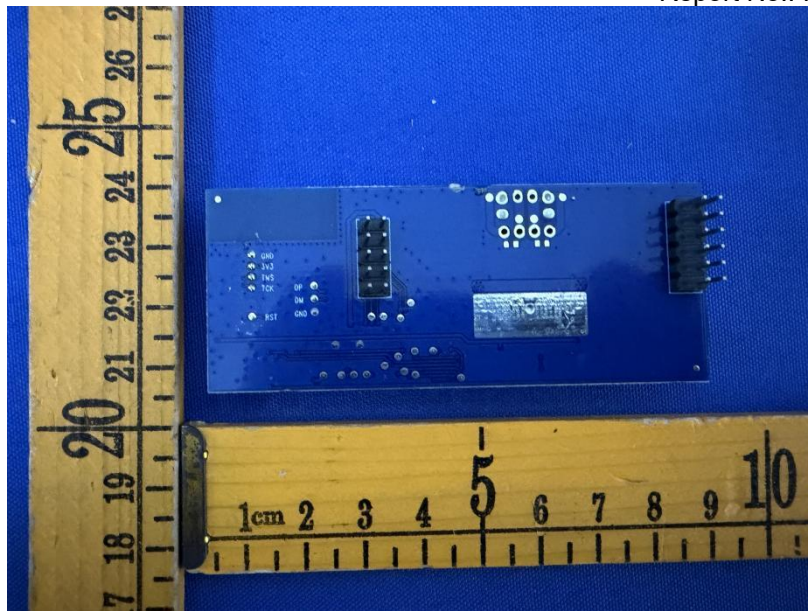


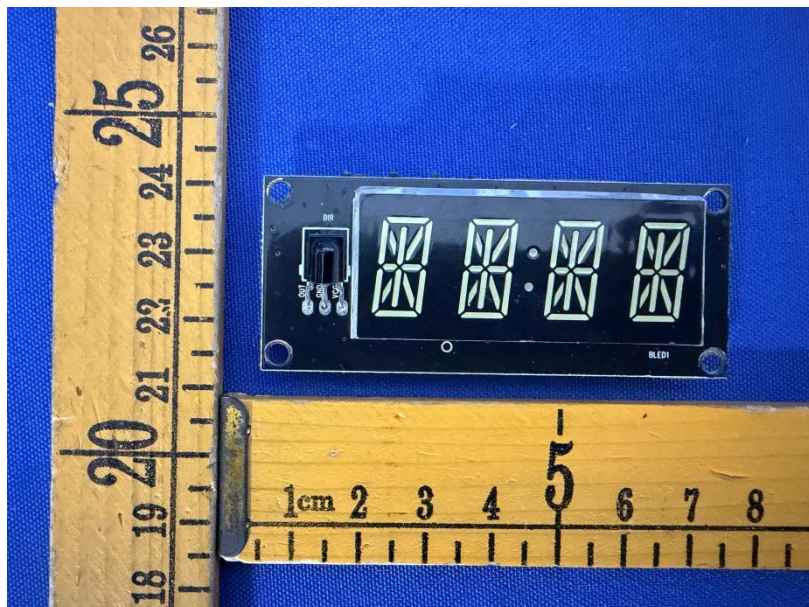
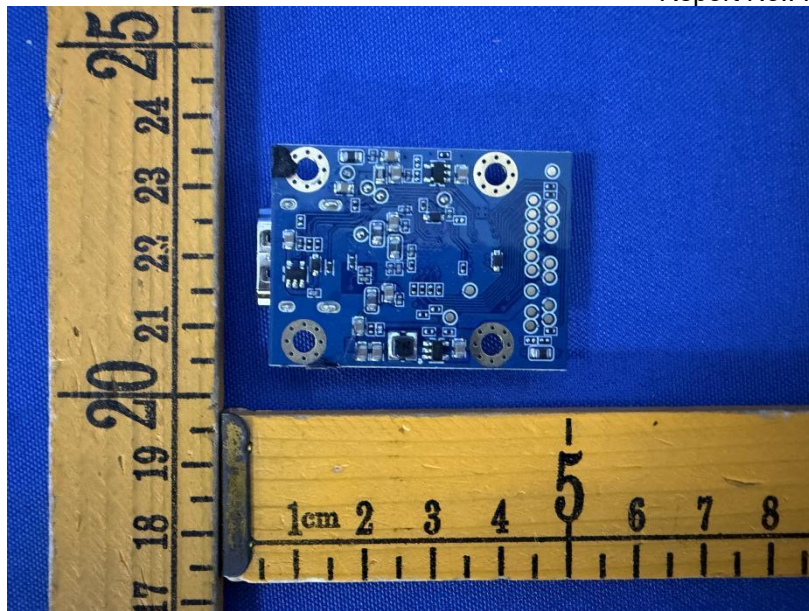


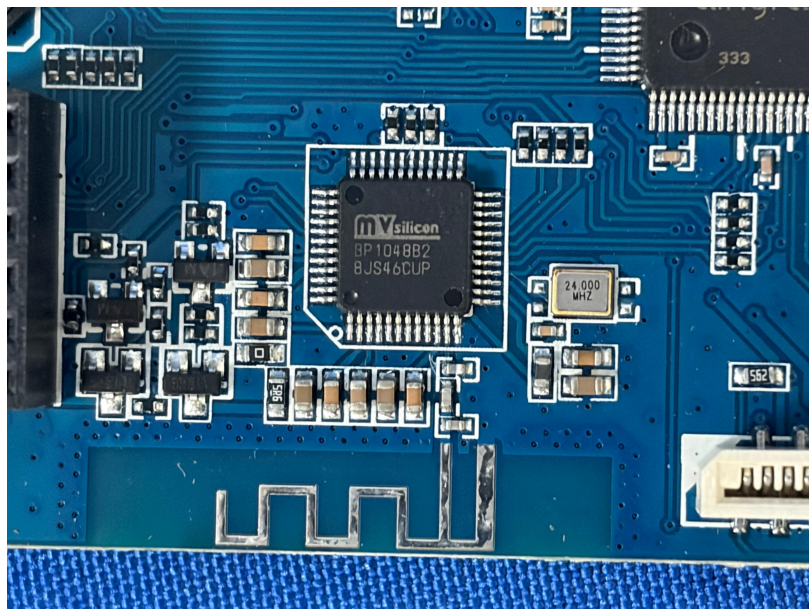
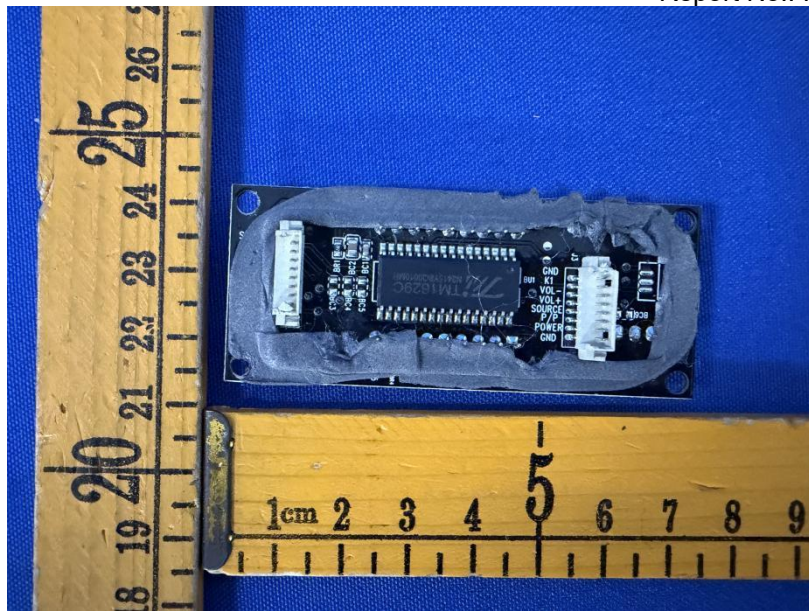


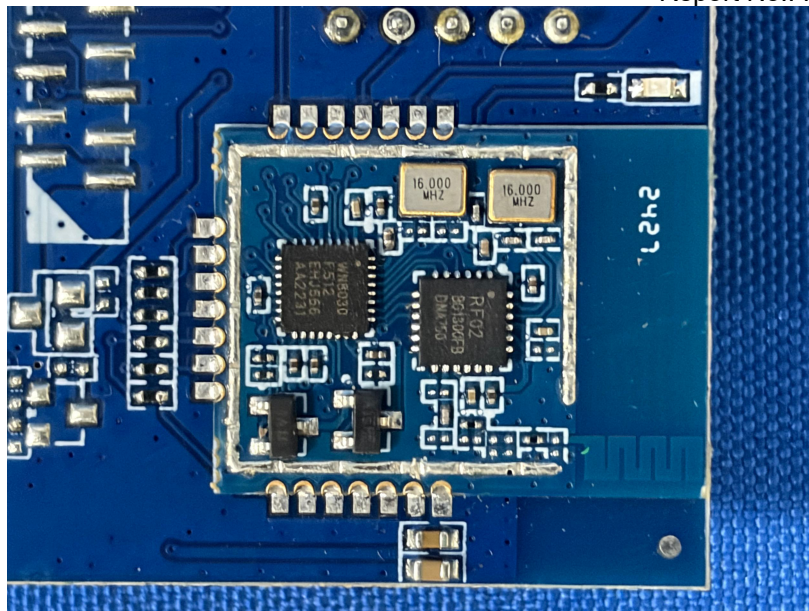












*****THE END REPORT*****