



FCC TEST REPORT

FOR

Alien Pro Audio USA

Home Entertainment Wireless and Karaoke System

Test Model: MAX4500

Additional Model No.: Please Refer to Page 6

Prepared for : Alien Pro Audio USA
Address : 25420 Kuykendahl Road, Suite B200-14, Tomball, Texas

Prepared by : Shenzhen LCS Compliance Testing Laboratory Ltd.
Address : 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei,
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Date of receipt of test sample : November 21, 2023
Number of tested samples : 2
Sample No. : A231116039-1, A231116039-2
A240228033-1, A240228033-2
Serial number : Prototype
Date of Test : November 21, 2023 ~ December 07, 2023
March 14, 2024~March 15, 2024
Date of Report : March 16, 2024



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FCC TEST REPORT

FCC CFR 47 PART 15 C (15.247)

Report Reference No. : LCSA03144045EA

Date of Issue..... : March 16, 2024

Testing Laboratory Name..... : Shenzhen LCS Compliance Testing Laboratory Ltd.Address..... : 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei,
Shajing Street, Baoan District, Shenzhen, 518000, ChinaTesting Location/ Procedure..... : Full application of Harmonised standards ■
Partial application of Harmonised standards □
Other standard testing method □**Applicant's Name..... : Alien Pro Audio USA**

Address..... : 25420 Kuykendahl Road, Suite B200-14, Tomball, Texas

Test Specification

Standard..... : FCC CFR 47 PART 15 C (15.247)

Test Report Form No..... : LCSEMC-1.0

TRF Originator..... : Shenzhen LCS Compliance Testing Laboratory Ltd.

Master TRF..... : Dated 2011-03

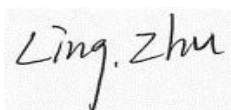
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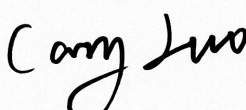
Test Item Description..... : Home Entertainment Wireless and Karaoke SystemTrade Mark..... : 

Test Model..... : MAX4500

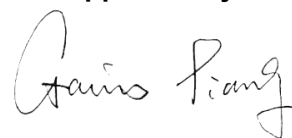
Ratings..... : Input: 100-240V~, 50/60Hz, 300W

Result : Positive**Compiled by:**

Ling Zhu/ Administrator

Supervised by:

Cary Luo/ Technique principal

Approved by:

Gavin Liang / Manager



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**FCC -- TEST REPORT**

Test Report No. : LCSA03144045EA	<u>March 16, 2024</u> Date of issue
---	--

Test Model.....	: MAX4500
EUT.....	: Home Entertainment Wireless and Karaoke System
Applicant.....	: Alien Pro Audio USA
Address.....	: 25420 Kuykendahl Road, Suite B200-14, Tomball, Texas
Telephone.....	: /
Fax.....	: /
Manufacturer.....	: DOLSONMUSE ELECTRONIC CO.,LTD
Address.....	: PINGTANG INDUSTRIAL PARK, GUANYAO, NANHAI, FOSHAN, GUANGDONG, CHINA
Telephone.....	: /
Fax.....	: /
Factory.....	: DOLSONMUSE ELECTRONIC CO.,LTD
Address.....	: PINGTANG INDUSTRIAL PARK, GUANYAO, NANHAI, FOSHAN, GUANGDONG, CHINA
Telephone.....	: /
Fax.....	: /

Test Result	Positive
--------------------	-----------------

The test report merely corresponds to the test sample.

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



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Revision History

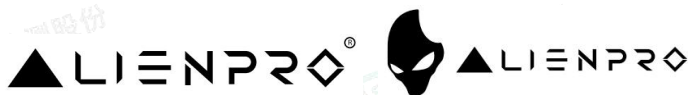
Report Version	Issue Date	Revision Content	Revised By
000	March 16, 2024	Initial Issue	---

At the customer's request, the revised report was submitted to LCSA11203014EA applicant by quoting the test data of LCSA11203014EA original report.

sample name: Home Entertainment Bluetooth and Karaoke System

Model: MAX-9833

Trade mark:



Change to

sample name: Home Entertainment Wireless and Karaoke System

Model: AP-1280 Max

Added trade mark:



The pcb board adds some components and power ports, leaving the wireless module unchanged



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1. GENERAL INFORMATION

1.1 Description of Device (EUT)

EUT	: Home Entertainment Wireless and Karaoke System
Test Model	: MAX4500
Additional Model No.	: MAXS2500, MAX-9822A, MAX3500, MAX-9815A, MAX-9825A, AP-1280 Max, MAX-1280, CSS1500, DJ PRO-1500
Model Declaration	: PCB board, structure and internal of these model(s) are the same, So no additional models were tested
Power Supply	: Input: 100-240V~, 50/60Hz, 300W
Hardware Version	: V1.0
Software Version	: V1.0
Bluetooth	:
Frequency Range	: 2402MHz ~ 2480MHz
Channel Number	: 79 channels for Bluetooth V5.0(DSS)
Channel Spacing	: 1MHz for Bluetooth V5.0(DSS)
Modulation Type	: GFSK, $\pi/4$ -DQPSK for Bluetooth V5.0(DSS)
Bluetooth Version	: V5.0
Antenna Description	: PCB Antenna, 1.9dBi(Max.)



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1.2 Support equipment List

Manufacturer	Description	Model	Serial Number	Certificate
---	---	---	---	---

1.3 External I/O Cable

I/O Port Description	Quantity	Cable
MICROPHONE JACK	2	N/A
FLASH DRIVE JACK	1	N/A
(RIGHT)SPEAKER OUTPUT	1	N/A
(LEFT)SPEAKER OUTPUT	1	N/A
OPTICAL DIGITAL INPUT	1	N/A
COAXIAL DIGITAL INPUT	2	N/A
COMPONENT(YUV) VIDEO OUTPUT JACK	1	N/A
VIDEO OUTPUT JACK	1	N/A
AUDIO OUTPUT JACK	1	N/A
DIGITAL SIGNAL OPTICAL OUTPUT	1	N/A
FM ANTENNA JACK	1	N/A
AUX AUDIO INPUT	1	N/A
LINE OUT OUTPUT JACK	1	N/A

1.4 Description of Test Facility

NVLAP Accreditation Code is 600167-0.

FCC Designation Number is CN5024.

CAB identifier is CN0071.

CNAS Registration Number is L4595.

FCC Test Firm Registration Number: 254912.

The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.10:2013 and CISPR 16-1-4:2010 SVSWR requirement for radiated emission above 1GHz.

1.5 Statement of the Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. To CISPR 16 – 4 “Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements” and is documented in the LCS quality system acc. To DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.



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1.6 Measurement Uncertainty

Test Item	Frequency Range	Uncertainty	Note
Radiation Uncertainty	9KHz~30MHz	3.10dB	(1)
	30MHz~200MHz	2.96dB	(1)
	200MHz~1000MHz	3.10dB	(1)
	1GHz~26.5GHz	3.80dB	(1)
	26.5GHz~40GHz	3.90dB	(1)
Conduction Uncertainty	150kHz~30MHz	1.63dB	(1)
Power disturbance	30MHz~300MHz	1.60dB	(1)
Output power	1GHz-40GHz	±0.57dB	(1)
Occupied Channel Bandwidth	1GHz-40GHz	±5%	(1)
Conducted RF Spurious Emission	9kHz-40GHz	±1.80dB	(1)
Emissions in Restricted Bands	1GHz-40GHz	±2.47dB	(1)
Dewll time	1GHz-40GHz	2.3%	(1)

(1). This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

1.7 Description of Test Modes

Bluetooth operates in the unlicensed ISM Band at 2.4GHz. With basic data rate feature, the data rates can be up to 1 Mb/s by modulating the RF carrier using GFSK techniques. The EUT works in the X-axis, Y-axis, Z-axis. The following operating modes were applied for the related test items. All test modes were tested, only the result of the worst case was recorded in the report.

Mode of Operations	Frequency Range (MHz)	Data Rate (Mbps)
BT	2402	1/2
	2441	1/2
	2480	1/2
For Conducted Emission		
Test Mode	TX Mode/Hopping Mode	
For Radiated Emission		
Test Mode	TX Mode/Hopping Mode	

Worst-case mode and channel used for 150 KHz-30 MHz power line conducted emissions was determined to be TX BT (2Mbps-Middle Channel).

Worst-case mode and channel used for 9 KHz-1000 MHz radiated emissions was determined to be TX BT (2Mbps-Middle Channel).

Pre-test AC conducted emission at charge from Middle Channel mode, recorded worst case.

Pre-test AC conducted emission at both voltage AC 120V/60Hz and AC 240V/60Hz, recorded worst case.



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2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.10-2013, FCC CFR PART 15C 15.207, 15.209 and 15.247.

2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

2.2 EUT Exercise

The EUT was operated in the normal operating mode for Hopping Numbers and Dwell Time test and a continuous transmits mode for other tests.

According to its specifications, the EUT must comply with the requirements of the Section 15.207, 15.209, 15.247 under the FCC Rules Part 15 Subpart C.

2.3 General Test Procedures

2.3.1 Conducted Emissions

The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 6.1.1 of ANSI C63.10-2013 Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using Quasi-peak and average detector modes.

2.3.2 Radiated Emissions

The EUT is placed on a turn table, which is 0.8 m above ground plane below 1GHz and 1.5 m above ground plane above 1GHz. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna, which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the maximum emissions, exploratory radiated emission measurements were made according to the requirements in Section 6.4 of ANSI C63.10-2013

2.4. Test Sample

The application provides 2 samples to meet requirement;

Sample Number	Description
Sample 1(A231116039-1)	Engineer sample – continuous transmit
Sample 2(A231116039-2)	Normal sample – Intermittent transmit



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3. SYSTEM TEST CONFIGURATION

3.1 Justification

The system was configured for testing in a continuous transmits condition.

3.2 EUT Exercise Software

The system was configured for testing in a continuous transmits condition and change test channels by software (FCCAssist) provided by application.

3.3 Special Accessories

Manufacturer	Description	Model	Serial Number	Certificate
--	--	--	--	--

3.4 Block Diagram/Schematics

Please refer to the related document.

3.5 Equipment Modifications

Shenzhen LCS Compliance Testing Laboratory Ltd. has not done any modification on the EUT.

3.6 Test Setup

Please refer to the test setup photo.



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4. SUMMARY OF TEST RESULTS

Applied Standard: FCC Part 15 Subpart C				
FCC Rules	Description of Test	Test Sample	Result	Remark
§15.209(a)	Radiated Spurious Emissions	Sample 1 Sample 2	Compliant	Note 1
§15.207(a)	AC Mains Conducted Emissions	Sample 2	Compliant	Note 1

Remark:

1. Note 1 – Test results inside test report;
2. Note 2 – Test results in other test report (RF Exposure Evaluation);



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5. SUMMARY OF TEST EQUIPMENT

Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	Power Meter	R&S	NRVS	100444	2023-06-09	2024-06-08
2	Power Sensor	R&S	NRV-Z81	100458	2023-06-09	2024-06-08
3	Power Sensor	R&S	NRV-Z32	10057	2023-06-09	2024-06-08
4	Test Software	Tonscend	JS1120-2	/	N/A	N/A
5	RF Control Unit	Tonscend	JS0806-2	N/A	2023-08-15	2024-08-14
6	MXA Signal Analyzer	Agilent	N9020A	MY50510140	2023-10-18	2024-10-17
7	DC Power Supply	Agilent	E3642A	N/A	2023-10-18	2024-10-17
8	EMI Test Software	AUDIX	E3	/	N/A	N/A
9	3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	2023-06-09	2024-06-08
10	Positioning Controller	Max-Full	MF7802BS	MF780208586	N/A	N/A
11	Active Loop Antenna	SCHWARZBECK	FMZB 1519B	00005	2021-08-29	2024-08-28
12	By-log Antenna	SCHWARZBECK	VULB9163	9163-470	2021-09-12	2024-09-11
13	Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1925	2021-09-05	2024-09-04
14	Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	791	2021-08-29	2024-08-28
15	Broadband Preamplifier	SCHWARZBECK	BBV9719	9719-025	2021-08-29	2024-08-28
16	EMI Test Receiver	R&S	ESR 7	101181	2023-08-15	2024-08-14
17	RS SPECTRUM ANALYZER	R&S	FSP40	100503	2023-07-17	2024-07-16
18	Low-frequency amplifier	SchwarzZBECK	BBV9745	00253	2023-10-18	2024-10-17
19	High-frequency amplifier	JS Denki Pte	PA0118-43	JSPA21009	2023-10-18	2024-10-17
20	6dB Attenuator	/	100W/6dB	1172040	2023-06-09	2024-06-08
21	3dB Attenuator	/	2N-3dB	/	2023-10-18	2024-10-17
22	EMI Test Receiver	R&S	ESPI	101940	2023-08-15	2024-08-14
23	Artificial Mains	R&S	ENV216	101288	2023-06-09	2024-06-08
24	10dB Attenuator	SCHWARZBECK	MTS-IMP-136	261115-001-00 32	2023-06-09	2024-06-08
25	EMI Test Software	Farad	EZ	/	N/A	N/A



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6. MEASUREMENT RESULTS

6.1. Restricted Band Emission Limit

6.1.1. Standard Applicable

15.205 (a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

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	(12\)
13.36-13.41			

1\ Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

12\ Above 38.6

According to §15.247 (d): 20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3



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6.1.2. Measuring Instruments and Setting

Please refer to of equipment list in this report. The following table is the setting of spectrum analyzer and receiver.

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10 th carrier harmonic
RB / VB (Emission in restricted band)	1MHz / 1MHz for Peak, 1 MHz / 1/T kHz for Average
RB / VB (Emission in non-restricted band)	1MHz / 1MHz for Peak, 1 MHz / 1/T kHz for Average

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB/VB 200Hz/1KHz for QP/AVG
Start ~ Stop Frequency	150kHz~30MHz / RB/VB 9kHz/30KHz for QP/AVG
Start ~ Stop Frequency	30MHz~1000MHz / RB/VB 120kHz/1MHz for QP

6.1.3. Test Procedures

1) Sequence of testing 9 kHz to 30 MHz

Setup:

- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.
- If the EUT is a tabletop system, a rotatable table with 0.8 m height is used.
- If the EUT is a floor standing device, it is placed on the ground.
- Auxiliary equipment and cables were positioned to simulate normal operation conditions.
- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
- The measurement distance is 3 meter.
- The EUT was set into operation.

Premeasurement:

- The turntable rotates from 0° to 315° using 45° steps.
- The antenna height is 1.0 meter.
- At each turntable position the analyzer sweeps with peak detection to find the maximum of all emissions

Final measurement:

- Identified emissions during the premeasurement the software maximizes by rotating the turntable position (0° to 360°) and by rotating the elevation axes (0° to 360°).
- The final measurement will be done in the position (turntable and elevation) causing the highest emissions with QPK detector.
- The final levels, frequency, measuring time, bandwidth, turntable position, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement and the limit will be stored.

2) Sequence of testing 30 MHz to 1 GHz



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**Setup:**

- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.
- If the EUT is a tabletop system, a table with 0.8 m height is used, which is placed on the ground plane.
- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.
- Auxiliary equipment and cables were positioned to simulate normal operation conditions
- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
- The measurement distance is 3 meter.
- The EUT was set into operation.

Premeasurement:

- The turntable rotates from 0° to 315° using 45° steps.
- The antenna is polarized vertical and horizontal.
- The antenna height changes from 1 to 4 meter.
- At each turntable position, antenna polarization and height the analyzer sweeps three times in peak to find the maximum of all emissions.

Final measurement:

- The final measurement will be performed with minimum the six highest peaks.
- According to the maximum antenna and turntable positions of premeasurement the software maximize the peaks by changing turntable position ($\pm 45^\circ$) and antenna movement between 1 and 4 meter.
- The final measurement will be done with QP detector with an EMI receiver.
- The final levels, frequency, measuring time, bandwidth, antenna height, antenna polarization, turntable angle, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement with marked maximum final measurements and the limit will be stored.



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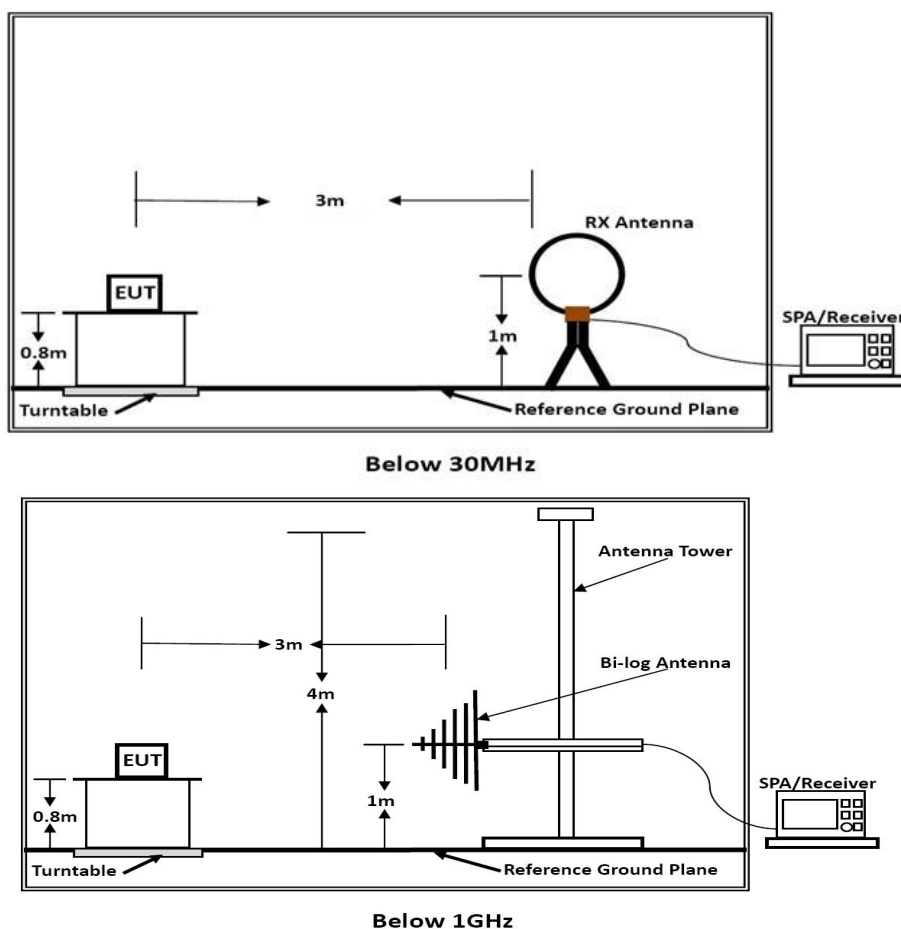
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6.1.4. Test Setup Layout



6.1.5. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

6.1.6. Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$\text{FS (dBuV/m)} = \text{RA (dBuV)} + \text{AF (dB/m)} + \text{CL (dB)} - \text{AG (dB)}$$

Where FS = Field Strength	CL = Cable Attenuation Factor (Cable Loss)
RA = Reading Amplitude	AG = Amplifier Gain
AF = Antenna Factor	

6.1.7. Results of Radiated Emissions (9 KHz~30MHz)

Temperature	23.8℃	Humidity	52.1%
Test Engineer	Taylor Hu	Configurations	BT



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Freq. (MHz)	Level (dBuV)	Over Limit (dB)	Over Limit (dBuV)	Remark
-	-	-	-	See Note

Note:

The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

6.1.8. Results of Radiated Emissions (30 MHz~1000 MHz)

Temperature	23.8℃	Humidity	52.1%
Test Engineer	Taylor Hu	Configurations	BT

PASS.

Only record the worst test result in this report.

The test data please refer to following page.



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Below 1GHz

Horizontal

70.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	31.7312	50.15	-18.23	31.92	40.00	-8.08	QP
2	155.9100	57.51	-19.73	37.78	43.50	-5.72	QP
3	233.3486	53.47	-16.36	37.11	46.00	-8.89	QP
4	332.5187	51.00	-14.40	36.60	46.00	-9.40	QP
5	425.0280	47.40	-13.60	33.80	46.00	-12.20	QP
6	711.6734	48.98	-10.73	38.25	46.00	-7.75	QP

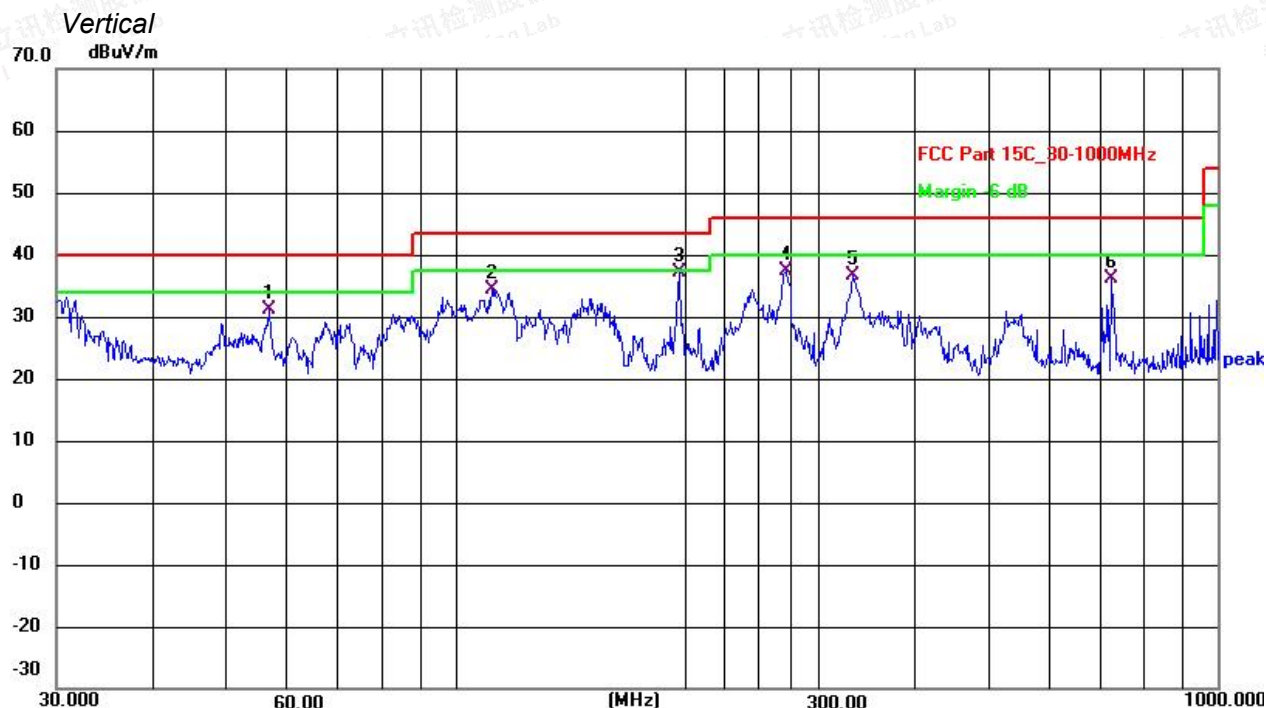


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No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	56.9911	49.40	-18.31	31.09	40.00	-8.91	QP
2	111.7377	53.54	-19.22	34.32	43.50	-9.18	QP
3	197.2000	54.68	-17.66	37.02	43.50	-6.48	QP
4	272.2776	52.75	-15.39	37.36	46.00	-8.64	QP
5	332.5187	51.10	-14.40	36.70	46.00	-9.30	QP
6	724.2607	46.59	-10.53	36.06	46.00	-9.94	QP

Note:

- 1). Pre-scan all modes and recorded the worst case results in this report BT (2Mbps-Middle Channel).
- 2). Emission level (dBuV/m) = 20 log Emission level (uV/m).
- 3). Level = Reading + Factor, Margin = Level-Limit, Factor = Antenna Factor + Cable Loss - Preamp Factor.



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6.2. AC Power Line Conducted Emissions

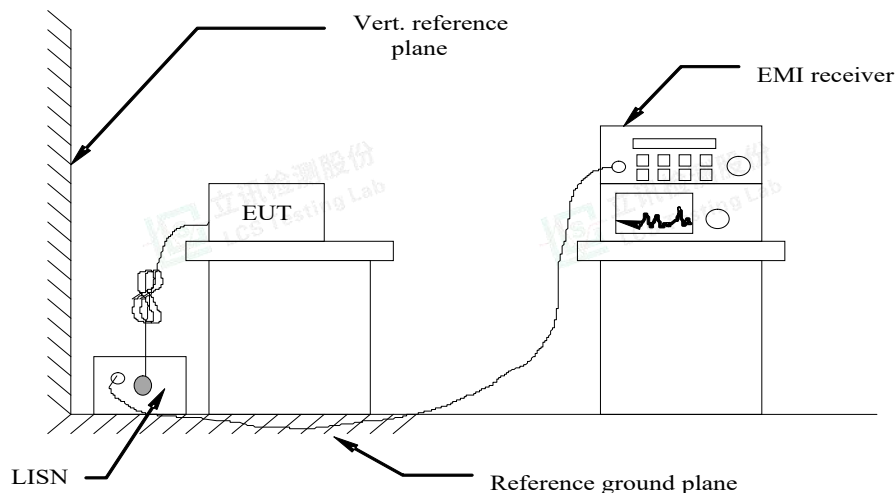
6.2.1 Standard Applicable

According to §15.207 (a): For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed 250 microvolts (The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz). The limits at specific frequency range is listed as follows:

Frequency Range (MHz)	Limits (dBμV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50

* Decreasing linearly with the logarithm of the frequency

6.2.2 Block Diagram of Test Setup



6.2.3 Disturbance Calculation

The AC mains conducted disturbance is calculated by adding the 10dB Pulse Limiter and Cable Factor and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$CD \text{ (dB}\mu\text{V)} = RA \text{ (dB}\mu\text{V)} + PL \text{ (dB)} + CL \text{ (dB)}$$

Where	CD = Conducted Disturbance	CL = Cable Attenuation Factor (Cable Loss)
	RA = Reading Amplitude	PL = 10 dB Pulse Limiter Factor

6.2.4 Test Results

Temperature	23.3°C	Humidity	53.3%
Test Engineer	Taylor Hu	Configurations	BT



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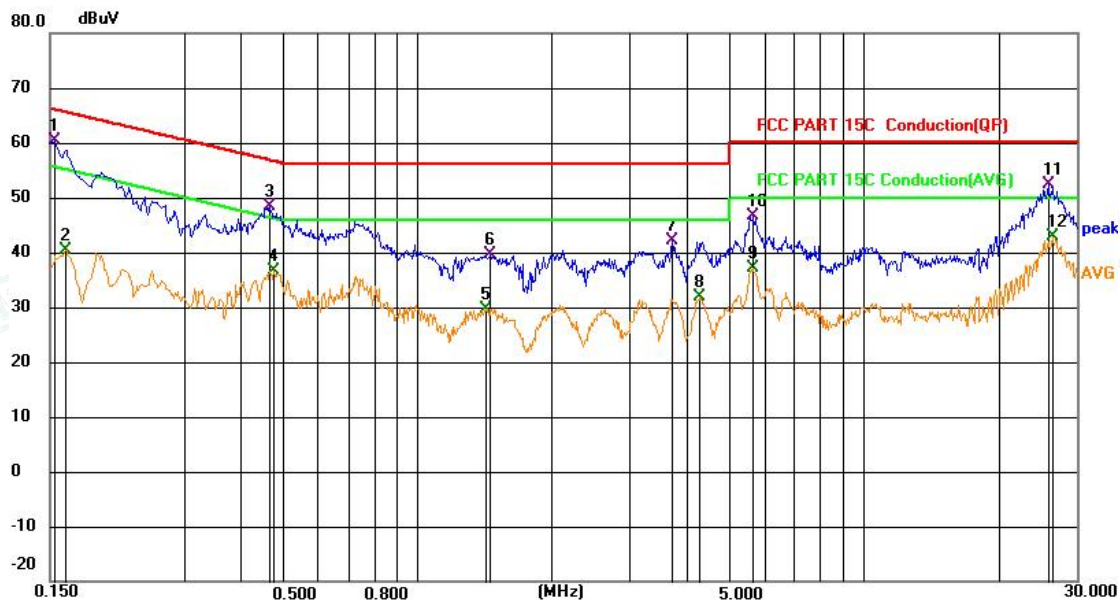
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**PASS.**

The test data please refer to following page.

AC Conducted Emission of mode @ AC 120V/60Hz (worst case)

Line



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1544	40.09	20.21	60.30	65.76	-5.46	QP	
2		0.1621	20.12	20.20	40.32	55.36	-15.04	AVG	
3		0.4661	28.07	20.22	48.29	56.58	-8.29	QP	
4		0.4786	16.47	20.21	36.68	46.36	-9.68	AVG	
5		1.4233	9.53	20.16	29.69	46.00	-16.31	AVG	
6		1.4595	19.38	20.16	39.54	56.00	-16.46	QP	
7		3.7231	21.92	20.17	42.09	56.00	-13.91	QP	
8		4.3079	11.83	20.04	31.87	46.00	-14.13	AVG	
9		5.6356	17.09	19.94	37.03	50.00	-12.97	AVG	
10		5.6581	26.69	19.94	46.63	60.00	-13.37	QP	
11		25.9528	32.16	20.23	52.39	60.00	-7.61	QP	
12		26.4796	22.71	20.21	42.92	50.00	-7.08	AVG	



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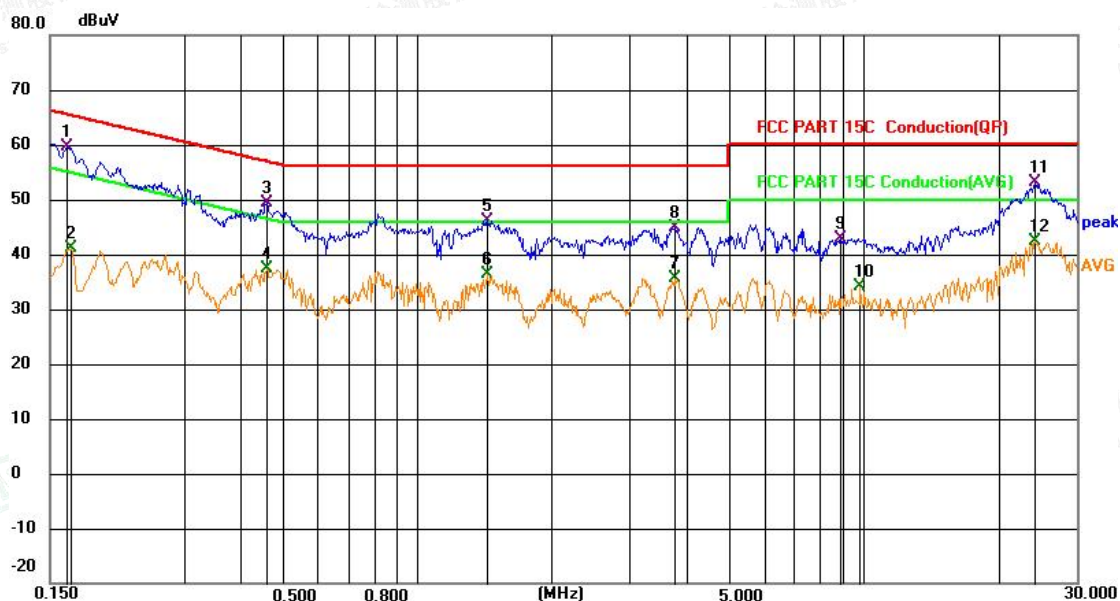
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Neutral



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB	dBuV	dBuV	dB		
1	*	0.1635	39.65	19.98	59.63	65.28	-5.65	QP	
2		0.1680	21.20	19.99	41.19	55.06	-13.87	AVG	
3		0.4606	29.47	19.84	49.31	56.68	-7.37	QP	
4		0.4606	17.42	19.84	37.26	46.68	-9.42	AVG	
5		1.4370	26.02	20.15	46.17	56.00	-9.83	QP	
6		1.4370	16.12	20.15	36.27	46.00	-9.73	AVG	
7		3.7726	15.47	20.07	35.54	46.00	-10.46	AVG	
8		3.7905	24.90	20.06	44.96	56.00	-11.04	QP	
9		8.9070	22.51	20.38	42.89	60.00	-17.11	QP	
10		9.8384	13.75	20.33	34.08	50.00	-15.92	AVG	
11		24.2296	32.41	20.68	53.09	60.00	-6.91	QP	
12		24.2296	21.70	20.68	42.38	50.00	-7.62	AVG	

***Note: Pre-scan all modes and recorded the worst case results in this report BT (2Mbps-Middle Channel).

Measurement = Reading + Correct, Margin = Measurement – Limit.

Correct Factor= Lism Factor+Cable Factor



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7. TEST SETUP PHOTOGRAPHS OF EUT

Please refer to separated files for Test Setup Photos of the EUT.

8. EXTERIOR PHOTOGRAPHS OF THE EUT

Please refer to separated files for External Photos of the EUT.

9. INTERIOR PHOTOGRAPHS OF THE EUT

Please refer to separated files for Internal Photos of the EUT.

-----THE END OF TEST REPORT-----



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