



MEASUREMENT REPORT

FCC PART 15.247 Bluetooth-LE

Report No.: S202304215278E06

Issue Date: 11-02-2023

Applicant: Suzhou Performance Information Technology Co., Ltd.

Address: 2F, Building 4th No.99 Gangtian Road, Suzhou

Industrial Park Jiangsu Province, P.R.China

FCC ID: 2BB6ATEKHOME

Product: Multifunctional Clock Bluetooth Speaker Charger

Model No.: TEKHOME ONXYZ

FCC Classification: Digital Transmission System (DTS)

FCC Rule Part(s): Part 15 Subpart C (15.247)

Test Procedure(s): ANSI C63.10-2013, KDB 558074 D01v05r02

Result: Pass

Item Receipt date: Apr 20,2023

Test Date: Apr 27 ~ Aug 02,2023

Compiled By

(Amos Xia) Senior Test Engineer

Approved By

(Line Chen) Engineer Manager

The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.4-2014. Test results reported herein relate only to the item(s) tested. The test report shall not be reproduced except in full without the written approval of Fangguang Inspection & Testing Co., Ltd. Wuxi Branch

The test report must not be used by the client to claim product certifications, approval, or endorsement by NVLAP, NIST or any agency of U.S. Government.

TRF No.:FG.WI-07-Part 15 Subpart C (15.247)

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Page Number: 1 of 73

Report No.: S202304215278E06



Revision History

Report No.	Version	Description	Issue Date
S202304215278E06	Rev. 01	/	11-02-2023



CONTENTS

Description	Page
§2.1033 General Information	5
1. INTRODUCTION	6
1.1. Scope	6
1.2. Fangguang Test Location	6
2. PRODUCT INFORMATION	7
2.1. Equipment Description	7
2.2. Product Specification Subjective to this Report	7
2.3. Model Difference Descriptions	8
2.4. Operation Frequency / Channel List	9
2.5. Device Capabilities	9
2.6. Description of Test Software	9
2.7. Test Mode	9
2.8. Test Configuration	10
2.9. EMI Suppression Device(s)/Modifications	10
2.10. Labeling Requirements	10
2.11. Calculation with all conversion and correction factors used	10
3. DESCRIPTION OF TEST	11
3.1. Evaluation Procedure	11
3.2. AC Line Conducted Emissions	11
3.3. Radiated Emissions	12
4. ANTENNA REQUIREMENTS	13
5. TEST EQUIPMENT CALIBRATION DATE	14
6. MEASUREMENT UNCERTAINTY	15
7. TEST RESULT	16
7.1. Summary	16
7.2. 6dB Bandwidth Measurement	17
7.2.1. Test Limit	17
7.2.2. Test Procedure used	17
7.2.3. Test Setting	17
7.2.4. Test Setup	17
7.2.5. Test Result	18
7.3. Output Power Measurement	21



	7.3.1. Test Limit	21
	7.3.2. Test Procedure Used	21
	7.3.3. Test Setting	21
	7.3.4. Test Setup	22
	7.3.5. Test Result of Output Power	22
	7.4. Power Spectral Density Measurement	25
	7.4.1. Test Limit	25
	7.4.2. Test Procedure Used	25
	7.4.3. Test Setting	25
	7.4.4. Test Setup	26
	7.4.5. Test Result	27
	7.5. Conducted Band Edge and Out-of-Band Emissions	30
	7.5.1. Test Limit	30
	7.5.2. Test Procedure Used	30
	7.5.3. Test Settitng	30
	7.5.4. Test Setup	30
	7.5.5. Test Result	31
	7.6. Radiated Spurious Emission Measurement	38
	7.6.1. Test Limit	38
	7.6.2. Test Procedure Used	38
	7.6.3. Test Setting	38
	7.6.4. Test Setup	40
	7.6.5. Test Result	42
	7.7. Radiated Restricted Band Edge Measurement	47
	7.7.1. Test Limit	47
	7.7.2. Test Procedure Used	50
	7.7.3. Test Setting	50
	7.7.4. Test Setup	51
	7.7.5. Test Result	52
	7.8. AC Conducted Emissions Measurement	60
	7.8.1. Test Limit	60
	7.8.2. Test Setup	60
	7.8.3. Test Result	61
8. (CONCLUSION	73



§2.1033 General Information

Applicant:	Suzhou Performance Information Technology Co., Ltd					
Applicant Address:	2F, Building 4th No.99 Gangtian Road, Suzhou Industrial Park Jiangsu					
	Province, P.R.China					
Manufacturer:	Suzhou Performance Information Technology Co., Ltd					
Manufacturer Address:	2F, Building 4th No.99 Gangtian Road, Suzhou Industrial Park Jiangsu					
	Province, P.R.China					
Test Site:	Fangguang Inspection & Testing Co., Ltd.					
LAB ID:	CN5037					
Test Site Address:	G9 Building, China Sensor Network International Innovation Park					
rest site Address.	No.200, Linghu Avenue Wuxi, Jiangsu 214000 China					
FCC Rule Part(s):	Part 15 Subpart C (15.247)					
FCC ID:	2BB6ATEKHOME					
Took Davies Cariel No.	S/N.:/					
Test Device Serial No.:	☐ Production ⊠ Pre-Production ☐ Engineering					
FCC Classification:	Digital Transmission System (DTS)					

Report No.: S202304215278E06



1. INTRODUCTION

1.1. Scope

Measurement and determination of electromagnetic emissions (EMC) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission and the Innovation, Science and Economic Development Canada.

1.2. Fangguang Test Location

These measurement tests were performed at the Fangguang Inspection and testing Co.,LTD located at 200 Linghu Avenue, Xinwu District, Wuxi City. The detailed description of the measurement facility was found to be in compliance with the requirements of ANSI C63.4-2014.



2. PRODUCT INFORMATION

2.1. Equipment Description

Multifunctional Clock Bluetooth Speaker Charger
TEKHOME ONXYZ
TEKHOME ONXYZ Pro, TEKHOME ONXYZ Plus, TEKHOME ONXYZ1,
TEKHOME ONXYZ1 Pro
Tekism Dynamics Figure 15 Colue
Input: 20V===3.25A Adapter1: Model: A869-200325C-US1 Input: 100-240V~ 50/60Hz 1.7A Output: DC 5V 3A 15.0W/9V 3A 27.0W/12V 3A 36.0W/15V 3A 45.0W/20V 3.25A 65.0W 3.3-21V 3.25A 65.0W Max Adapter2: Model: PSD67-C Input: 100-240V~ 50/60Hz 1.6A Output: DC 5V 3A/9V 3A/12V 3A/15V 3A/20V 3.35A Pps:3.3-21.0V 3.0A 67.0W Max
4.0

2.2. Product Specification Subjective to this Report

Bluetooth Frequency	2402~2480MHz
Bluetooth Version	4.0
Type of modulation	GFSK
Data Rate	1Mbps
Antenna Type:	PCB Antenna
Antenna Gain:	Ant1:-0.05 dBi



2.3. Model Difference Descriptions

The applicant declared that this EUT (Multifunctional clock Bluetooth speaker charger) the main model no. TEKHOME ONXYZ and the family models no. TEKHOME ONXYZ1, TEKHOME ONXYZ Pro, TEKHOME ONXYZ Plus, TEKHOME ONXYZ1 Pro have the same technical construction including circuit diagram, PCB LAYOUT, hardware version and software version identical. the difference refer the below table.

	Model name					
Product Difference	TEKHOME ONXYZ	TEKHOME ONXYZ1	TEKHOME ONXYZ Pro	TEKHOME ONXYZ Plus	TEKHOME ONXYZ1 Pro	
Wireless charging	٧	٧	٧	٧	٧	
radio	٧	٧	٧	٧	٧	
Bluetooth speaker	٧	٧	٧	٧	٧	
USB play music	٧	٧	×	×	٧	
Clock,date, alarm clock	٧	٧	٧	٧	٧	
USB-C1 charging port	٧	٧	٧	٧	٧	
USB-C2 charging port	٧	٧	٧	٧	٧	
USB-C3 charging port	×	×	٧	×	٧	
USB-C4 charging port	×	×	٧	٧	×	
USB-A1 charging port	٧	٧	×	٧	×	
USB-A2	٧	٧	×	×	٧	
WeChat applet	٧	×	٧	٧	×	
APP software	٧	٧	٧	٧	٧	
Other items (Key components, hardware, appearance, accessories)	٧	٧	٧	٧	٧	

Note:

- 1."\forall "indicates that this function is applicable to this model, and "x" indicates that this function is not applicable to this model.
- 2. The product has a total of 4 external charging ports. The position of A1 and C3 corresponds to the position of A2 and C4, and the internal circuit of the product is the same, only the interface shape is different.



2.4. Operation Frequency / Channel List

Channel	Frequency	Channel	Frequency	Channel	Frequency
00	2402 MHz	01	2404 MHz	02	2406 MHz
03	2408 MHz	04	2410 MHz	05	2412 MHz
06	2414 MHz	07	2416 MHz	08	2418 MHz
09	2420 MHz	10	2422 MHz	11	2424 MHz
12	2426 MHz	13	2428 MHz	14	2430 MHz
15	2432 MHz	16	2434 MHz	17	2436 MHz
18	2438 MHz	19	2440 MHz	20	2442 MHz
21	2444 MHz	22	2446 MHz	23	2448 MHz
24	2450 MHz	25	2452 MHz	26	2454 MHz
27	2456 MHz	28	2458 MHz	29	2460 MHz
30	2462 MHz	31	2464 MHz	32	2466 MHz
33	2468 MHz	34	2470 MHz	35	2472 MHz
36	2474 MHz	37	2476 MHz	38	2478 MHz
39	2480 MHz				

2.5. Device Capabilities

This device contains the following capabilities:Bluetooth (5.0)

Note: The maximum achievable duty cycle was determined based on measurements performed on a spectrum analyzer in zero-span mode with RBW = 8MHz, VBW =8MHz. The RBW and VBW were both greater than 50/T, where T is the minimum transmission duration, and the number of sweep points across T was greater than 100. The duty cycles of BLE_1M are 87.60%.

2.6. Description of Test Software

The test utility software used during testing was "FCCAssist", and the emission setting value is the software default value.

2.7. Test Mode

|--|--|



2.8. Test Configuration

The EUT was tested per the guidance of KDB 558074 D01 v05r02. ANSI C63.10-2013 was used to reference the appropriate EUT setup for radiated spurious emissions testing and AC line conducted testing.

2.9. EMI Suppression Device(s)/Modifications

No EMI suppression device(s) were added and/or no modifications were made during testing.

2.10. Labeling Requirements

Per 2.1074 & 15.19; Docket 95-19

The label shall be permanently affixed at a conspicuous location on the device; instruction manual or pamphlet supplied to the user and be readily visible to the purchaser at the time of purchase. However, when the device is so small wherein placement of the label with specified statement is not practical, only the FCC ID must be displayed on the device per Section 15.19(a)(5). Please see attachment for FCC ID label and label location.

2.11. Calculation with all conversion and correction factors used

For AC Line Conducted Emissions Test:

Measure Level ($dB\mu V$) = Reading Level ($dB\mu V$) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

For Radiated Emissions Below 1GHz Test:

Measure Level ($dB\mu V/m$) = Reading Level ($dB\mu V$) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

For Radiated Emissions Above 1GHz Test:

Measure Level ($dB\mu V/m$) = Reading Level ($dB\mu V$) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Page Number: 10 of 73



3. DESCRIPTION OF TEST

3.1. Evaluation Procedure

The measurement procedures described in the American National Standard for Testing Unlicensed Wireless Devices (ANSI C63.10-2013), and the guidance provided in KDB 558074 D01 v05r02 were used in the measurement of the EUT.

Deviation from measurement procedure......None

3.2. AC Line Conducted Emissions

The line-conducted facility is located inside an 8'x4'x4' shielded enclosure. A 1m x 2m wooden table 80cm high is placed 40cm away from the vertical wall and 80cm away from the sidewall of the shielded room. Two 10kHz-30MHz, $50\Omega/50$ uH Line-Impedance Stabilization Networks (LISNs) are bonded to the shielded room floor. Power to the LISNs is filtered by external high-current high-insertion loss power line filters. These filters attenuate ambient signal noise from entering the measurement lines. These filters are also bonded to the shielded enclosure.

The EUT is powered from one LISN and the support equipment is powered from the second LISN. All interconnecting cables more than 1 meter were shortened to a 1 meter length by non-inductive bundling (serpentine fashion) and draped over the back edge of the test table. All cables were at least 40cm above the horizontal reference ground-plane. Power cables for support equipment were routed down to the second LISN while ensuring that that cables were not draped over the second LISN.

Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The RF output of the LISN was connected to the receiver and exploratory measurements were made to determine the frequencies producing the maximum emission from the EUT. The receiver was scanned from 150kHz to 30MHz. The detector function was set to peak mode for exploratory measurements while the bandwidth of the analyzer was set to 9kHz. The EUT, support equipment, and interconnecting cables were arranged and manipulated to maximize each emission. Each emission was also maximized by varying: power lines, the mode of operation or data exchange speed, or support equipment whichever determined the worst-case emission. Once the worst case emissions have been identified, the one EUT cable configuration/arrangement and mode of operation that produced these emissions are used for final measurements on the same test site. The analyzer is set to CISPR quasi-peak and average detectors with a 9kHz resolution bandwidth for final measurements.

An extension cord was used to connect to a single LISN which powered by EUT. The extension cord was calibrated with LISN, the impedance and insertion loss are compliance with the requirements as stated in ANSI C63.10-2013.



3.3. Radiated Emissions

The radiated test facilities consisted of an indoor 3 meter semi-anechoic chamber used for final measurements and exploratory measurements, when necessary. The measurement area is contained within the semi-anechoic chamber which is shielded from any ambient interference. For measurements above 1GHz absorbers are arranged on the floor between the turn table and the antenna mast in such a way so as to maximize the reduction of reflections. For measurements below 1GHz, the absorbers are removed. The turntable is used for radiated measurement. It is a continuously rotatable, remote controlled, metallic turntable and 2 meters (6.56 ft.) in diameter. The turn table is flush with the raised floor of the chamber in order to maintain its function as a ground plane. An 80cm high PVC support structure is placed on top of the turntable.

For all measurements, the spectrum was scanned through all EUT azimuths and from 1 to 4 meter receive antenna height using a broadband antenna from 30MHz up to the upper frequency shown in 15.33(b)(1) depending on the highest frequency generated or used in the device or on which the device operates or tunes. For frequencies above 1GHz, linearly polarized double ridge horn antennas were used. For frequencies below 30MHz, a calibrated loop antenna was used. When exploratory measurements were necessary, they were performed at 1 meter test distance inside the semi-anechoic chamber using broadband antennas, broadband amplifiers, and spectrum analyzers to determine the frequencies and modes producing the maximum emissions. Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The test set-up for frequencies below 1GHz was placed on top of the 0.8 meter high, 1 x 1.5 meter table; and test set-up for frequencies 1-25GHz was placed on top of the 1.5 meter high, 1 x 1.5 meter table. The EUT, support equipment, and interconnecting cables were arranged and manipulated to maximize each emission. Appropriate precaution was taken to ensure that all emissions from the EUT were maximized and investigated. The system configuration, clock speed, mode of operation or video resolution, if applicable, turntable azimuth, and receive antenna height was noted for each frequency found.

Final measurements were made in the semi-anechoic chamber using calibrated, linearly polarized broadband and horn antennas. The test setup was configured to the setup that produced the worst case emissions. The spectrum analyzer was set to investigate all frequencies required for testing to compare the highest radiated disturbances with respect to the specified limits. The turntable containing the EUT was rotated through 360 degrees and the height of the receive antenna was varied 1 to 4 meters and stopped at the azimuth and height producing the maximum emission. Each emission was maximized by changing the orientation of the EUT through three orthogonal planes and changing the polarity of the receive antenna, whichever produced the worst-case emissions. According to 3dB Beam-Width of horn antenna, the horn antenna should be always directed to the EUT when rising height.

Report No.: S202304215278E06



4. ANTENNA REQUIREMENTS

Excerpt from §15.203 of the FCC Rules/Regulations:

"An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can 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 shall be considered sufficient to comply with the provisions of this section."

Use a unique coupling to the intentional radiator.

Page Number: 13 of 73



5. TEST EQUIPMENT CALIBRATION DATE

Conducted Emissions

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
EMI Test Receiver	R&S	ESR3	FWXGJC-2016-181	1 year	2024/03/14
Two-Line V-Network	R&S	ENV 216	FWXGJC-2016-182	1 year	2023/06/01
Thermohygrometer	Yuhuaze	HTC-1	FWXDA-2016-385	1 year	2024/03/21

Radiated Emission

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
Loop Antenna	Schwarzbeck	FMZB 1519B	FWXGJC-2018-015	3 year	2024/08/13
Bi-Log Antenna	R&S	HL562E	FWXGJC-2016-267-06	3 year	2024/03/10
Broadband Horn Antenna	R&S	HF907	FWXGJC-2016-267-07	1 year	2024/03/02
Broadband Horn Antenna	Schwarzbeck	BBHA9170	FWXGJC-2018-016	3 year	2024/06/04
EMI Receiver	R&S	ESR26	FWXGJC-2016-267-01	1 year	2023/11/08
Pre-Amplifier	R&S	SCU-18D	FWXGJC-2016-267-05	1 year	2023/11/17
Pre-Amplifier	R&S	EMC184055 SE	FWXGJC-2018-018	3 year	2025/04/13
Thermohygrometer	Yuhuaze	HTC-1	FWXDA-2016-386	1 year	2023/11/21
Anechoic Chamber	Aimuke	EMCCT-3	FWXGJC-2016-270	1 year	2025/06/07

Conducted Test Equipment

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
EXA Signal Analyzer	Keysight	N9010B	FWXGJC-2018-010	1 year	2024/03/13
RF Control Unit	Toncend	JS0806-2	FWXGJC-2018-013	1 year	2023/06/30
Thermohygrometer	Yuhuaze	HTC-1	FWXDA-2016-385	1 year	2023/11/21

Test Software	Manufacturer	Version	Asset No.	Function
EMI Test Software	tonscend	/	/	/

Page Number: 14 of 73



6. MEASUREMENT UNCERTAINTY

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k = 2.

AC Conducted Emission Measurement

Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)):

2.05dB

Radiated Emission Measurement

Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)):

30MHz-1GHz: 3.06dB 1GHz-12.75GHz: 4.13dB

Spurious Emissions, Conducted

Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)):

30MHz-1GHz: 1.00 dB 1GHz-26.5GHz: 1.30 dB

Output Power

Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)):

0.60dB

Power Spectrum Density

Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)):

0.80dB

Occupied Bandwidth

Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)):

0.20MHz

Page Number: 15 of 73



7. TEST RESULT

7.1. Summary

FCC Part Section(s)	Test Description	Test Limit	Test Condition	Test Result	Reference
15.247(a)(2)	6dB Bandwidth	≥ 500kHz		Pass	Section 7.2
15.247(b)(3)	Output Power	≤ 30dBm		Pass	Section 7.3
15.247(e)	Power Spectral Density	≤ 8dBm/3kHz	Conducted	Pass	Section 7.4
15.247(d)	Band Edge	≥ 20dBc		Pass	Section 7.5
15.247(d)	Out-of-Band Emissions	≥ 20dBc		Pass	Section 7.6
15.205 15.209	General Field Strength Limits (Restricted Bands and Radiated Emission Limits)	Emissions in restricted bands must meet the radiated limits detailed in 15.209 (RSS GEN [8.9])	Radiated	Pass	Section 7.7
15.207	AC Conducted Emissions 150kHz - 30MHz	< FCC 15.207 limits (RSS GEN [8.8])	Line Conducted	Pass	Section 7.8

Notes:

- All modes of operation and data rates were investigated. For radiated emission test, every axis
 (X, Y, Z) was also verified. The test results shown in the following sections represent the worst
 case emissions.
- 2) The analyzer plots shown in this section were all taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables and attenuators used as part of the system to connect the EUT to the analyzer at all frequencies of interest.
- 3) All antenna port conducted emissions testing was performed on a test bench with the antenna port of the EUT connected to the spectrum analyzer through calibrated cables and attenuators.

Page Number: 16 of 73



7.2. 6dB Bandwidth Measurement

7.2.1. Test Limit

The minimum permissible 6dB bandwidth is 500 kHz.

7.2.2. Test Procedure used

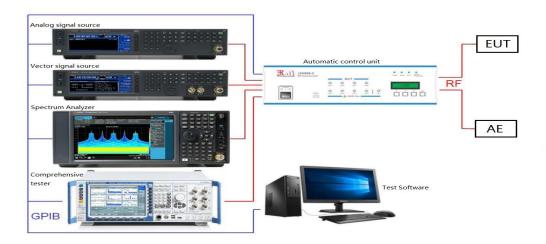
ANSI C63.10-2013 Section 11.8.2 Option 1

KDB 558074 D01 v05r02 - Section 8.2

7.2.3. Test Setting

- 1. Set RBW = 100 kHz
- 2. VBW ≥ 3 × RBW
- 3. Detector = peak
- 4. Trace mode = max hold
- 5. Sweep = auto couple
- 6. Allow the trace was allowed to stabilize
- 7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

7.2.4. Test Setup



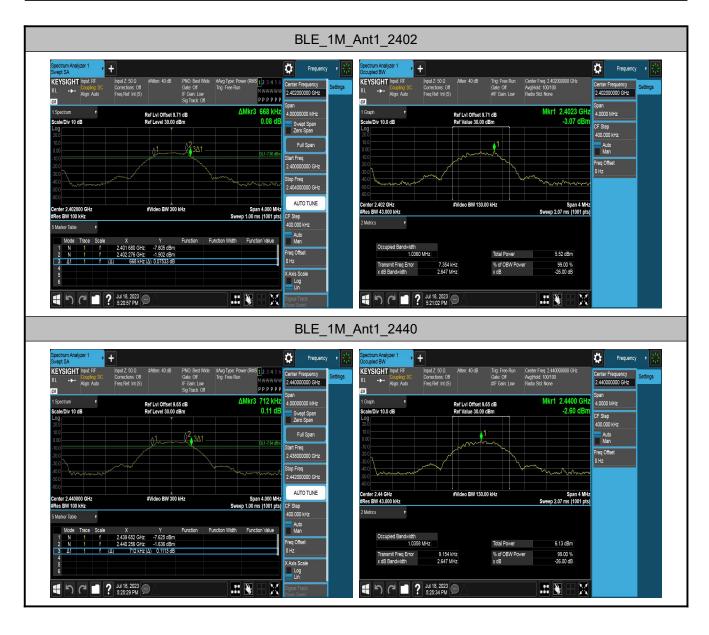


7.2.5. Test Result

Test Mode Antenna	Antenna	Channel	DTS BW	FL[MHz]	FH[MHz]	Limit	99%	Verdict
	Charmer	[MHz]	ı L[ivii iZ]	1 1 1[1711 12]	[MHz]	BW[MHz]	Verdict	
BLE_1M	Ant1	2402	0.668	2401.680	2402.348	>=0.5	1.0360	PASS
		2440	0.712	2439.652	2440.364	>=0.5	1.0358	PASS
		2480	0.668	2479.676	2480.344	>=0.5	1.0388	PASS

Page Number: 18 of 73











7.3. Output Power Measurement

7.3.1. Test Limit

The maximum permissible conducted output power is 1 Watt (30dBm). And for antenna gain greater than 6dBi the limit shall reduce by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

7.3.2. Test Procedure Used

ANSI C63.10-2013 - Section 11.9.1.1

KDB 558074 D01 v05r02 - Section 8.3.1.2

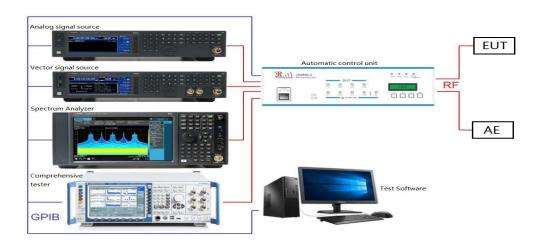
7.3.3. Test Setting

- 1.Set the RBW ≥ DTS bandwidth.
- 2.Set the VBW ≥ [3 × RBW].
- 3.Set the span ≥[3 × RBW].
- 4.Detector = peak.
- 5.Sweep time = auto couple.
- 6.Trace mode = max hold.
- 7. Allow trace to fully stabilize.
- 8. Use peak marker function to determine the peak amplitude level.

Page Number: 21 of 73



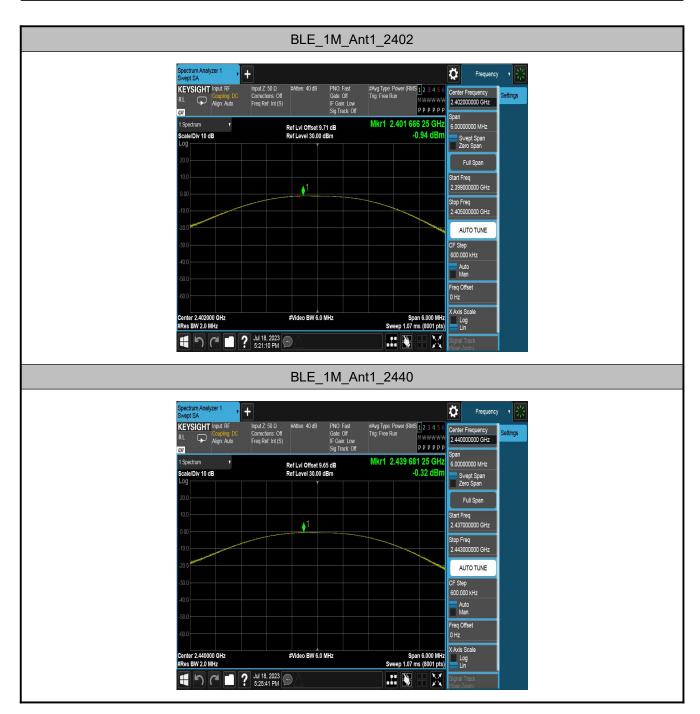
7.3.4. Test Setup



7.3.5. Test Result of Output Power

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.94	≤30	PASS
		2440	-0.32	≤30	PASS
		2480	-0.43	≤30	PASS











7.4. Power Spectral Density Measurement

7.4.1. Test Limit

The maximum permissible power spectral density is 8dBm in any 3 kHz band. And for antenna gain greater than 6dBi the limit shall reduce by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

7.4.2. Test Procedure Used

KDB 558074 D01 v05r02 - Section 8.4

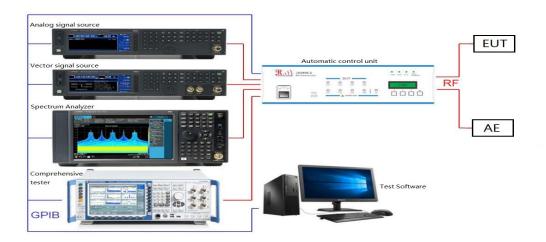
ANSI C63.10 - Section 11.10.2

7.4.3. Test Setting

- 1. Set analyzer center frequency to DTS channel center frequency.
- 2. Set the span to 1.5 times the DTS bandwidth.
- 3. Set the RBW to 3 kHz \leq RBW \leq 100 kHz.
- 4. Set the VBW ≥ [3 × RBW].
- 5. Detector = peak.
- 6. Sweep time = auto couple.
- 7. Trace mode = max hold.
- 8. Allow trace to fully stabilize.



7.4.4. Test Setup



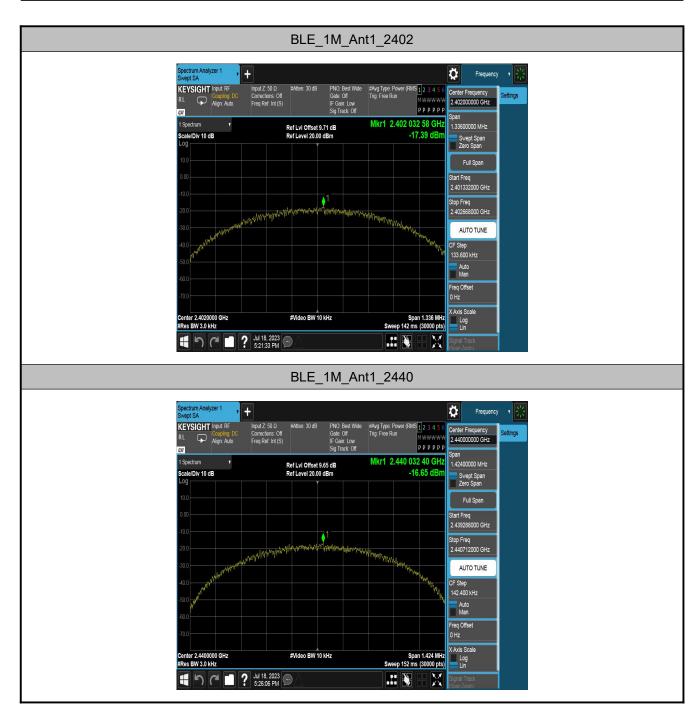


7.4.5. Test Result

Test Mode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-17.39	≤8.00	PASS
		2440	-16.65	≤8.00	PASS
		2480	-16.99	≤8.00	PASS

Page Number: 27 of 73











7.5. Conducted Band Edge and Out-of-Band Emissions

7.5.1. Test Limit

The limit for out-of-band spurious emissions at the band edge is 20dB below the fundamental emission level, as determined from the in-band power measurement of the DTS channel performed in a 100 kHz bandwidth per the PSD procedure.

7.5.2. Test Procedure Used

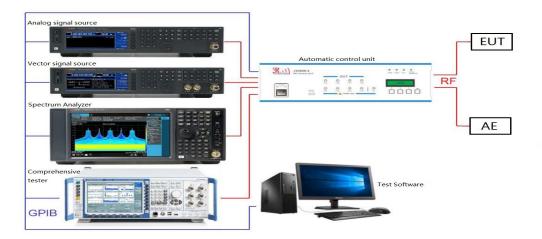
KDB 558074 D01 v05r02 - Section 8.5 & Section 8.6

ANSI C63.10 - Section 11.11&11.12

7.5.3. Test Settitng

- (a) Set the center frequency and span to encompass frequency range to be measured
- (b) RBW = 100kHz
- (c) VBW = 300kHz
- (d) Detector = Peak
- (e) Trace mode = max hold
- (f) Sweep time = auto couple
- (g) The trace was allowed to stabilize

7.5.4. Test Setup





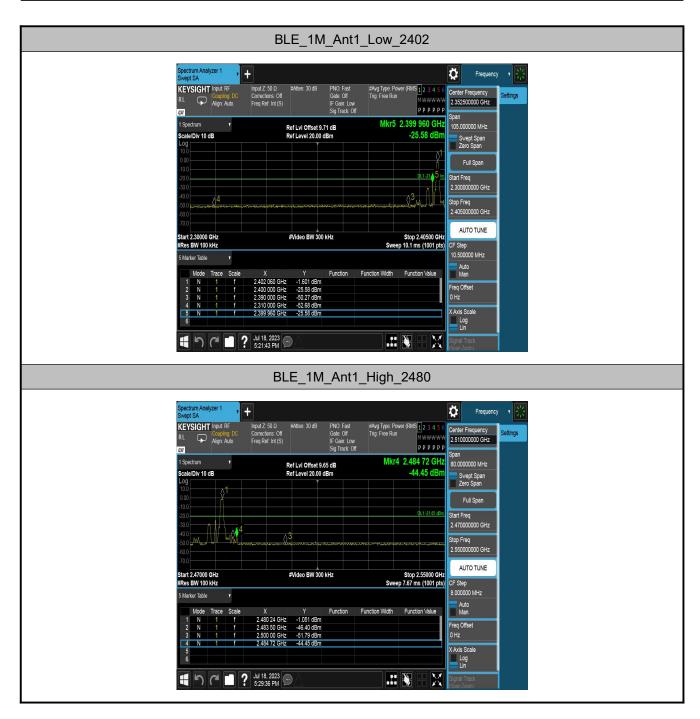
7.5.5. Test Result

TestMode Anter	Antonno	Channel	Frequency	Ref Level	Result	Limit	Verdict	
	Antenna	Name	(MHz)	[dBm]	[dBm]	[dBm]	verdict	
BLE_1M	Ant1	Low	2402	-1.60	-25.58	≤-21.6	PASS	
		High	2480	-1.05	-44.45	≤-21.05	PASS	

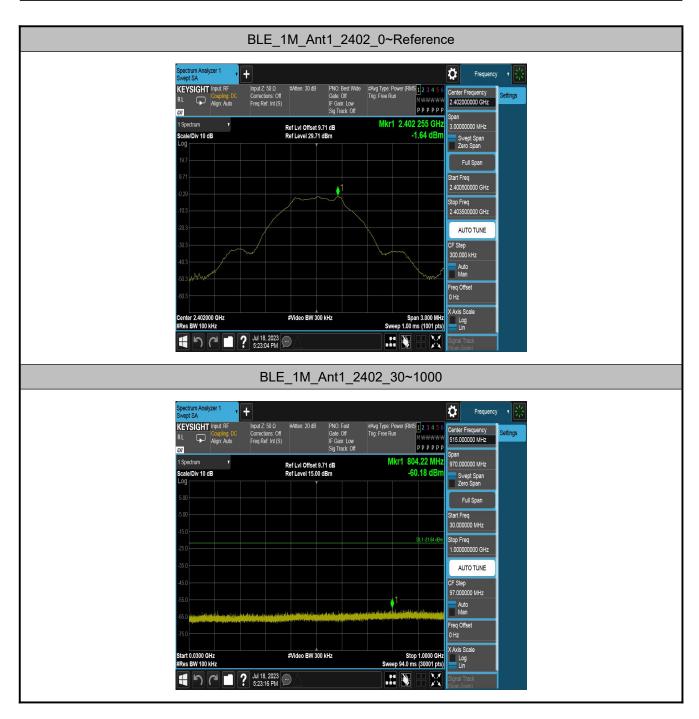
Test Mode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
		2402	Reference	-1.64	-1.64		PASS
			30~1000	-1.64	-60.18	≤-21.64	PASS
			1000~26500	-1.64	-46.59	≤-21.64	PASS
		nt1 2440	Reference	-0.87	-0.87		PASS
BLE_1M	Ant1		30~1000	-0.87	-49.9	≤-20.87	PASS
			1000~26500	-0.87	-41.16	≤-20.87	PASS
		2480	Reference	-1.07	-1.07		PASS
			30~1000	-1.07	-41.13	≤-21.07	PASS
			1000~26500	-1.07	-41.15	≤-21.07	PASS

Page Number: 31 of 73

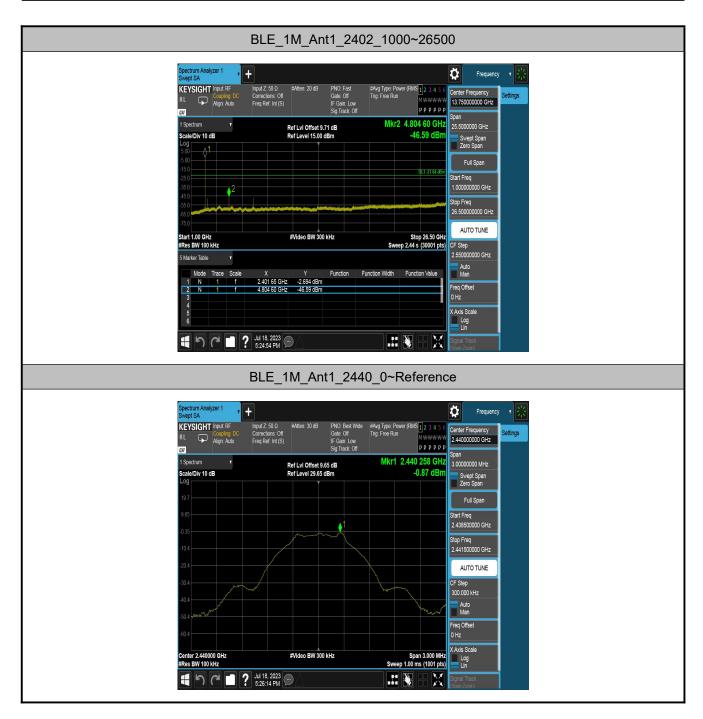




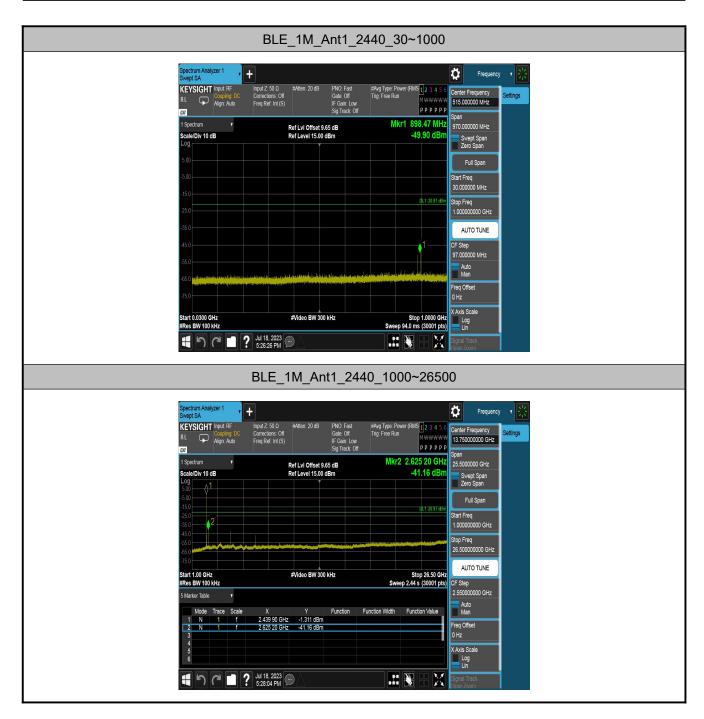




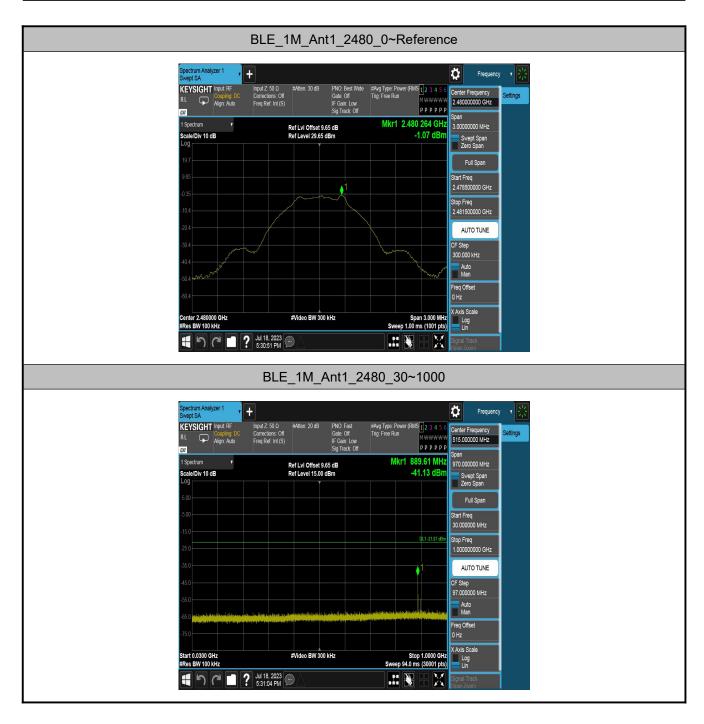




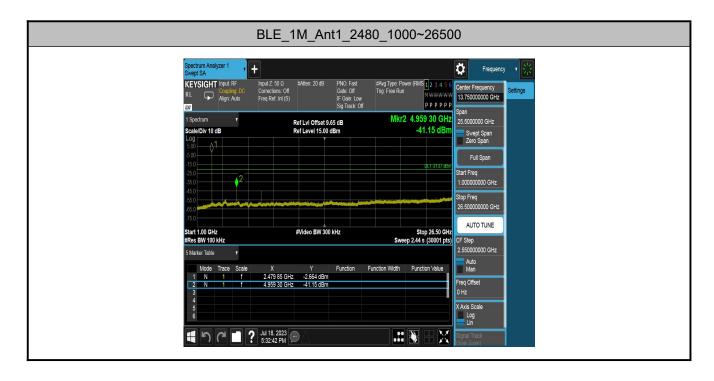














7.6. Radiated Spurious Emission Measurement

7.6.1. Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

47 Of IX must not exceed the limits shown in Table per destion 10.200.								
F	FCC Part 15 Subpart C Paragraph 15.209							
Frequency [MHz]	Field Strength [uV/m]	Measured Distance [Meters]						
0.009 - 0.490	2400/F (kHz)	300						
0.490 – 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						

7.6.2. Test Procedure Used

ANSI C63.10-2013 - Section 6.6.4.3

7.6.3. Test Setting

Peak Field Strength Measurements

- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- 2. RBW = as specified in Table 1
- 3. VBW = 3MHz
- 4. Detector = peak
- 5. Sweep time = auto couple
- 6. Trace mode = max hold
- 7. Trace was allowed to stabilize

Page Number: 38 of 73



Table 1 - RBW as a function of frequency

Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

Average Field Strength Measurements

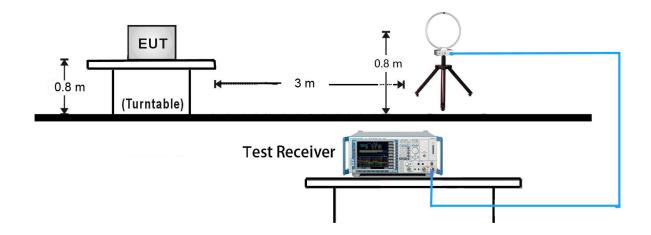
- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- 2. RBW = 1MHz
- 3. VBW = 3MHz
- 4. Detector = Power Average (RMS)
- 5. Number of sweep point = 2001 (Number of sweep points must be ≥ 2 x span / RBW)
- 6. Sweep time = auto
- 7. Trace (RMS) averaging was performed over at least 100 traces.

Page Number: 39 of 73

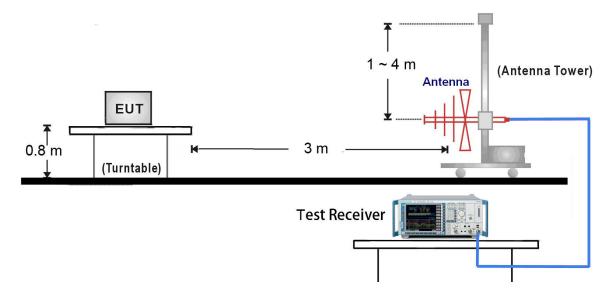


7.6.4. Test Setup

9kHz ~ 30MHz Test Setup:

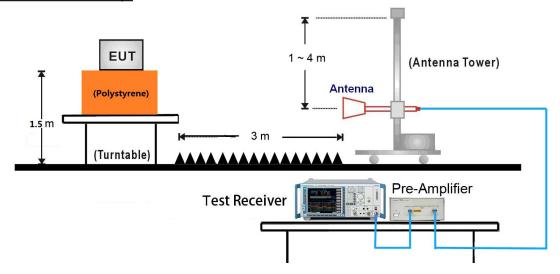


30MHz ~ 1GHz Test Setup:

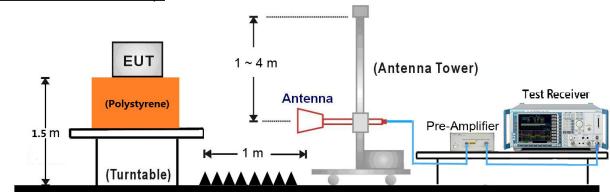




1GHz ~ 18GHz Test Setup:



18GHz ~25GHz Test Setup:





7.6.5. Test Result

Test Mode:	BLE_1M	Test Date:	2023-07-26			
Test Channel:	00	Test Engineer:	Amos Xia			
Remark:	Average measurement was not performed if peak level lower than average limit.					
	Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.					

Frequency	Level	Factor	Limit	Margin	Detector	Polarization
(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dB)		
6110.0000	46.12	11.12	74.00	27.88	Peak	Horizontal
6835.0000	47.65	13.74	74.00	26.35	Peak	Horizontal
7935.0000	51.72	15.45	74.00	22.28	Peak	Horizontal
8295.0000	52.36	15.50	74.00	21.64	Peak	Horizontal
6125.0000	46.86	11.23	74.00	27.14	Peak	Vertical
7015.0000	49.09	14.16	74.00	24.91	Peak	Vertical
7430.0000	50.59	15.00	74.00	23.41	Peak	Vertical
8335.0000	51.60	15.75	74.00	22.40	Peak	Vertical

Page Number: 42 of 73



Test Mode:	BLE_1M	Test Date:	2023-07-26			
Test Channel:	19	Test Engineer:	Amos Xia			
Remark:	Average measurement was not performed if peak level lower than average limit.					
	Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.					

Frequency	Level	Factor	Limit	Margin	Detector	Polarization
(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dB)		
5315.0000	44.68	8.87	74.00	29.32	Peak	Horizontal
6220.0000	46.44	11.40	74.00	27.56	Peak	Horizontal
7190.0000	50.58	14.68	74.00	23.42	Peak	Horizontal
8315.0000	51.45	15.61	74.00	22.55	Peak	Horizontal
5445.0000	45.89	9.78	74.00	28.11	150	Vertical
6350.0000	47.10	12.14	74.00	26.90	150	Vertical
7005.0000	48.99	14.16	74.00	25.01	150	Vertical
7440.0000	52.22	15.04	74.00	21.78	150	Vertical



Test Mode:	BLE_1M	Test Date:	2023-07-26			
Test Channel:	39	Test Engineer:	Amos Xia			
Remark:	Average measurement was not performed if peak level lower than average limit.					
	Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.					

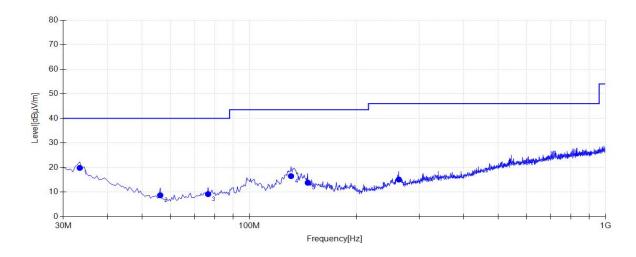
Frequency (MHz)	Level (dBµV/m)	Factor (dB)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
5020.0000	44.02	7.62	74.00	29.98	Peak	Horizontal
6060.0000	46.76	10.98	74.00	27.24	Peak	Horizontal
7075.0000	49.25	14.26	74.00	24.75	Peak	Horizontal
8235.0000	51.64	15.34	74.00	22.36	Peak	Horizontal
4370.0000	42.94	6.34	74.00	31.06	Peak	Vertical
5355.0000	44.25	9.02	74.00	29.75	Peak	Vertical
6610.0000	47.10	12.88	74.00	26.90	Peak	Vertical
7610.0000	51.22	15.07	74.00	22.78	Peak	Vertical



The worst case of Radiated Emission below 1GHz:

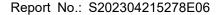
30MHz - 1GHz Test Data

FUT.	Multifunctional Clock Bluetooth	Dolority	Horizontal	
EUT:	Speaker Charger	Polarity:		
Model:	TEKHOME ONXYZ	SN:	N/A	
Mode:	Transmit at BLE_1M Channel 00	Voltage:	AC 120V	
Environment: Temp: 22℃; Humi:52%		Engineer:	Amos Xia	



Final I	Final Data List							
NO.	Freq.	Factor	QP Value	QP Limit	QP Margin	Height	Angle	Dolority
NO.	[MHz]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	[cm]	[°]	Polarity
1	33.3950	17.77	19.87	40.00	20.13	200	345	Horizontal
2	56.1900	7.65	8.73	40.00	31.27	100	292	Horizontal
3	76.5600	9.23	9.20	40.00	30.80	100	180	Horizontal
4	130.880	11.45	16.53	43.50	26.97	200	357	Horizontal
5	145.915	11.01	13.82	43.50	29.68	200	0	Horizontal
6	262.800	12.13	15.14	46.00	30.86	100	278	Horizontal

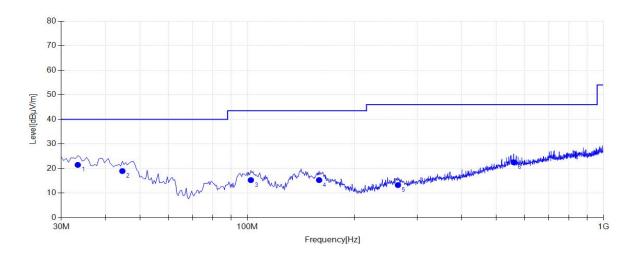
Note 1: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: $9kHz \sim 30MHz$, $18GHz \sim 25GHz$), therefore no data appear in the report.





EUT:	Multifunctional Clock Bluetooth	Doloritu	Horizontal	
	Speaker Charger	Polarity:		
Model:	TEKHOME ONXYZ	SN:	N/A	
Mode:	Mode: Transmit at BLE_1M Channel 00		AC 120V	
Environment: Temp: 22°C; Humi:52%		Engineer:	Amos Xia	

Test Graph



Final I	Data List							
NO	Freq.	Factor	QP Value	QP Limit	QP Margin	Height	Angle	Dolority
NO.	[MHz]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	[cm]	[°]	Polarity
1	33.3950	17.77	21.49	40.00	18.51	100	0	Vertical
2	44.5500	12.09	18.99	40.00	21.01	100	90	Vertical
3	102.265	11.25	15.31	43.50	28.19	100	352	Vertical
4	159.010	10.36	15.32	43.50	28.18	100	28	Vertical
5	264.740	12.22	13.29	46.00	32.71	100	234	Vertical
6	560.105	19.79	22.54	46.00	23.46	100	10	Vertical

Note 1: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: $9kHz \sim 30MHz$, $18GHz \sim 25GHz$), therefore no data appear in the report.



7.7. Radiated Restricted Band Edge Measurement

7.7.1. Test Limit

For 15.205 requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a).

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (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	8.25 - 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 - 156.525	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)
13.36 - 13.41		-	

Page Number: 47 of 73



All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209					
Frequency Field Strength Measured Dist					
[MHz]	[uV/m] [Meters]				
0.009 - 0.490	2400/F (kHz)	300			
0.490 - 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			



For RSS-Gen Section 8.10 requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 8.10 of RSS-Gen, must also comply with the radiated emission limits specified in Section 8.9.

Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.009 - 0.110	240 - 285	9.0 - 9.2
2.1735 - 2.1905	322 - 335.4	9.3 - 9.5
3.020 - 3.026	399.9 - 410	10.6 - 12.7
4.125 - 4.128	608 - 614	13.25 - 13.4
4.17725 - 4.17775	960 - 1427	14.47 - 14.5
4.20725 - 4.20775	1435 - 1626.5	15.35 - 16.2
5.677 - 5.683	1645.5 - 1646.5	17.7 - 21.4
6.215 - 6.218	1660 - 1710	22.01 - 23.12
6.26775 - 6.26825	1718.8 -1722.2	23.6 - 24.0
6.31175 - 6.31225	2200 - 2300	31.2 - 31.8
8.291 - 8.294	2310 -2390	36.43 - 36.5
8.362 - 8.366	2655 - 2900	Above 38.6
8.37625 - 8.38675	3260 - 3267	
8.41425 - 8.41475	3332 -3339	
12.29 - 12.293	334.5 - 3358	
12.51975 - 12.52025	3500 - 4400	
12.57675 - 12.57725	4500 - 5150	
13.36 -13.41	5350 - 5460	
16.42 - 16.423	7250 - 7750	
16.69475 - 16.69525	8025 - 8500	
16.80425 - 16.80475		
25.5 - 25.67		
37.5 - 38.25		
73 - 74.6		
74.8 - 75.2		
108 - 138		
156.52475 - 156.525225		
156.7 - 156.9		

All out of band emissions appearing in a restricted band as specified in Section 8.10 of the RSS-Gen



must not exceed the limits shown in Table per Section 8.9.

RSS-Gen Section 8.9						
Frequency	Measured Distance					
[MHz]	[uV/m] [Meters]					
0.009 - 0.490	2400/F (kHz)	300				
0.490 - 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				

7.7.2. Test Procedure Used

ANSI C63.10 Section 6.3 (General Requirements)

ANSI C63.10 Section 6.6 (Standard test method above 1GHz)

7.7.3. Test Setting

Peak Field Strength Measurements

- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- 2. RBW = 1MHz
- 3. VBW = 3MHz
- 4. Detector = peak
- 5. Sweep time = auto couple
- 6. Trace mode = max hold
- 7. Trace was allowed to stabilize

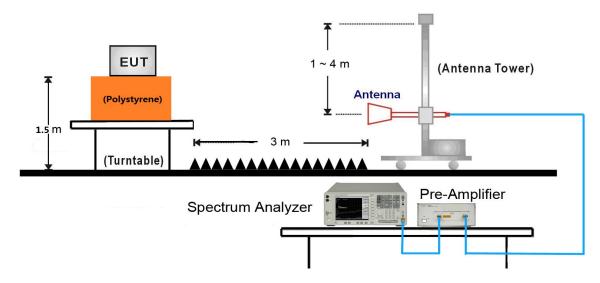
Page Number: 50 of 73



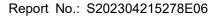
Average Field Strength Measurements

- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- 2. RBW = 1MHz
- 3. VBW = 3MHz
- 4. Detector = Power Average (RMS)
- 5. Number of sweep point = 2001 (Number of sweep points must be \geq 2 x span / RBW)
- 6. Sweep time = auto
- 7. Trace (RMS) averaging was performed over at least 100 traces.

7.7.4. Test Setup



Note: This item was performed with the WIFI antenna connected.

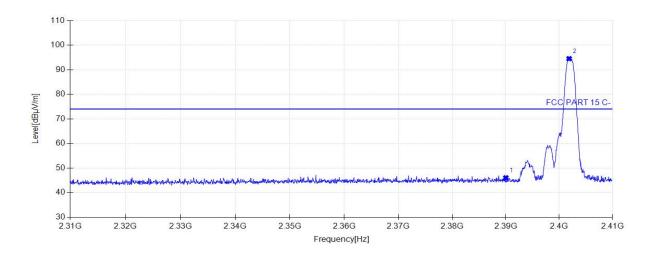




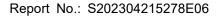
7.7.5. Test Result

Project Information							
EUT:	Multifunctional Clock Bluetooth Speaker Charger Processor	Model:	TEKHOME ONXYZ				
SN:	N/A	Voltage:	AC 120V				
Environment:	Temp: 22°C; Humi:52%	Engineer:	Amos Xia				
Remark:	Transmit at BLE_1M Channel 00						

Start of Test: 2023-07-21 18:28:16



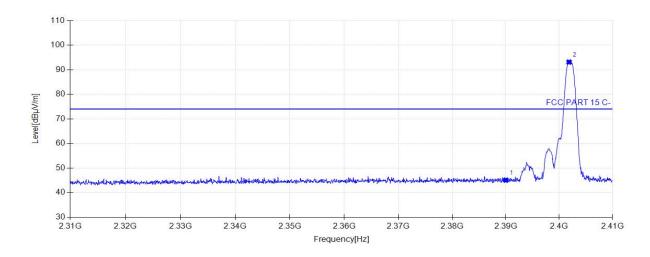
Suspected Data List								
NO	Freq.	Level	Factor	Limit	Margin	Height	Angle	Dolority
NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dB]	[cm]	[°]	Polarity
1	2390.00	46.02	32.74	74.00	27.98	160	153	Horizontal
2	2401.85	94.50	32.80	74.00	-20.50	160	50	Horizontal



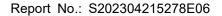


Project Information							
EUT:	Multifunctional Clock Bluetooth Speaker Charger Processor	Model:	TEKHOME ONXYZ				
SN:	N/A	Voltage:	AC 120V				
Environment:	Temp: 22°C; Humi:52%	Engineer:	Amos Xia				
Remark:	Transmit at BLE_1M Channel 00						

Start of Test:2023-07-21 18:29:08



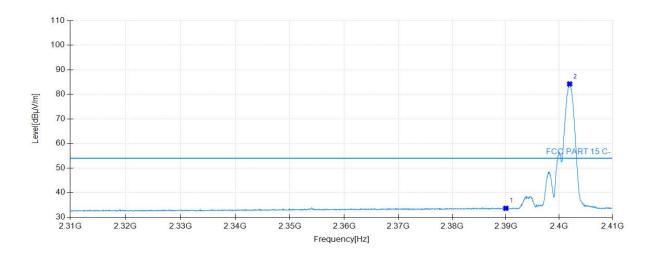
Suspected Data List								
NO	Freq.	Level	Factor	Limit	Margin	Height	Angle	Dolority
NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dB]	[cm]	[°]	Polarity
1	2390.00	45.09	32.74	74.00	28.91	160	84	Vertical
2	2401.85	93.11	32.80	74.00	-19.11	160	201	Vertical



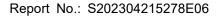


Project Information							
EUT:	Multifunctional Clock Bluetooth Speaker Charger Processor	Model:	TEKHOME ONXYZ				
SN:	N/A	Voltage:	AC 120V				
Environment:	Temp: 22°C; Humi:52%	Engineer:	Amos Xia				
Remark:	Transmit at BLE_1M Channel 00						

Start of Test:2023-07-21 18:30:17



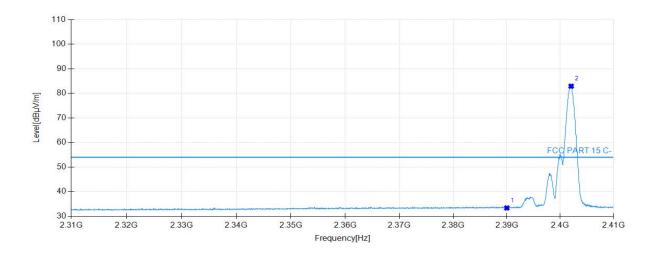
Suspected Data List								
NO	Freq.	Level	Factor	Limit	Margin	Height	Angle	Dolority
NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dB]	[cm]	[°]	Polarity
1	2390.00	33.63	32.74	54.00	20.37	160	242	Horizontal
2	2401.95	84.21	32.80	54.00	-30.21	160	50	Horizontal



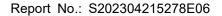


Project Information							
EUT:	Multifunctional Clock Bluetooth Speaker Charger Processor	Model:	TEKHOME ONXYZ				
SN:	N/A	Voltage:	AC 120V				
Environment:	Temp: 22°C; Humi:52%	Engineer:	Amos Xia				
Remark:	Transmit at BLE_1M Channel 00						

Start of Test:2023-07-21 18:31:09



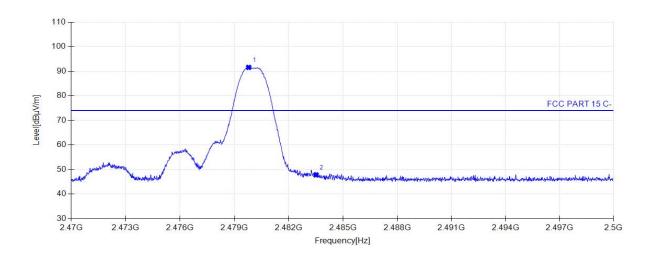
Suspected Data List								
NO	Freq.	Level	Factor	Limit	Margin	Height	Angle	Dolority
NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dB]	[cm]	[°]	Polarity
1	2390.00	33.36	32.74	54.00	20.64	160	30	Vertical
2	2402.05	82.90	32.80	54.00	-28.90	160	194	Vertical



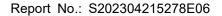


Project Information									
	Multifunctional Clock								
EUT:	Bluetooth Speaker	Model:	TEKHOME ONXYZ						
	Charger Processor								
SN:	N/A	Voltage:	AC 120V						
Environment:	Temp: 22°C; Humi:52%	Engineer:	Amos Xia						
Remark:	Transmit at BLE_1M Channel 39								

Start of Test:2023-07-21 18:33:13



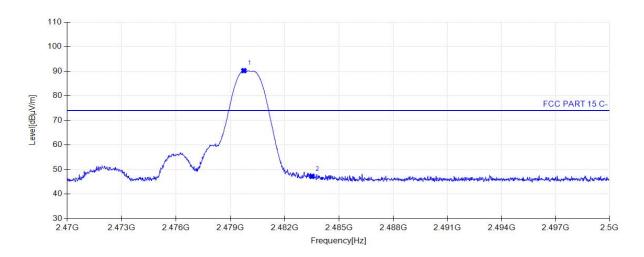
Suspe	Suspected Data List										
NO	Freq.	Level	Factor	Limit	Margin	Height	Angle	Dolovitu			
NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dB]	[cm]	[°]	Polarity			
1	2479.78	91.55	33.21	74.00	-17.55	160	138	Horizontal			
2	2483.50	47.83	33.23	74.00	26.17	160	43	Horizontal			



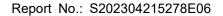


Project Information									
EUT:	Multifunctional Clock Bluetooth Speaker Charger Processor	Model:	TEKHOME ONXYZ						
SN:	N/A	Voltage:	AC 120V						
Environment:	Temp: 22°C; Humi:52% Engineer: Amos Xia								
Remark:	Tran	smit at BLE_1M Channel	39						

Start of Test:2023-07-21 18:34:05



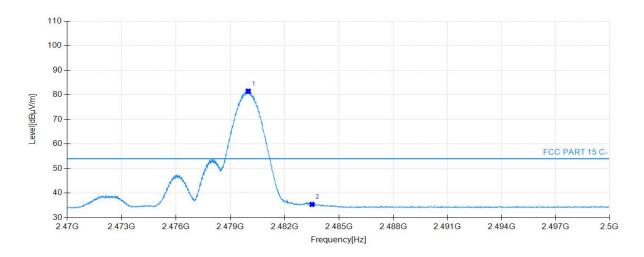
Suspe	Suspected Data List										
NO	Freq.	Level	Factor	Limit	Margin	Height	Angle	Dolovity			
NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dB]	[cm]	[°]	Polarity			
1	2479.87	105.34	33.21	74.00	-31.34	160	284	Vertical			
2	2483.50	47.59	33.23	74.00	26.41	160	277	Vertical			



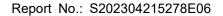


Project Information									
EUT:	Multifunctional Clock Bluetooth Speaker Charger Processor	Model:	TEKHOME ONXYZ						
SN:	N/A	Voltage:	AC 120V						
Environment:	Temp: 22℃; Humi:52% Engineer: Amos Xia								
Remark:	Tran	nsmit at BLE 1M Channe	I 39						

Start of Test:2023-07-21 18:35:12



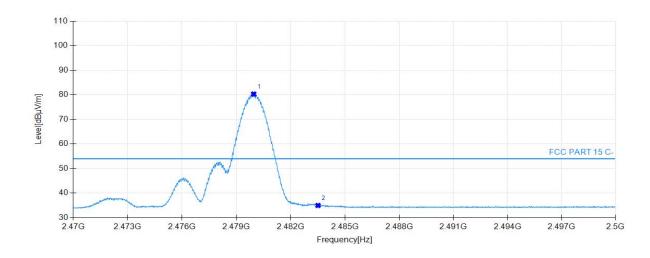
Suspe	Suspected Data List										
NO.	Freq.	Level	Factor	Limit	Margin	Height	Angle	Dolority			
NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dB]	[cm]	[°]	Polarity			
1	2479.97	81.49	33.21	54.00	-27.49	160	138	Horizontal			
2	2483.50	35.42	33.23	54.00	18.58	160	351	Horizontal			





Project Information										
EUT:	Multifunctional Clock Bluetooth Speaker Charger Processor	Model:	TEKHOME ONXYZ							
SN:	N/A	Voltage:	AC 120V							
Environment:	Temp: 22℃; Humi:52% Engineer: Amos Xia									
Remark:	Tran	smit at BLE 1M Channe	l 3 9							

Start of Test:2023-07-21 18:36:05



Suspe	Suspected Data List										
NO.	Freq.	Level	Factor	Limit	Margin	Height	Angle	Dolority			
NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dB]	[cm]	[°]	Polarity			
1	2479.94	80.30	33.21	54.00	-26.30	160	270	Vertical			
2	2483.50	34.99	33.23	54.00	19.01	160	256	Vertical			



7.8. AC Conducted Emissions Measurement

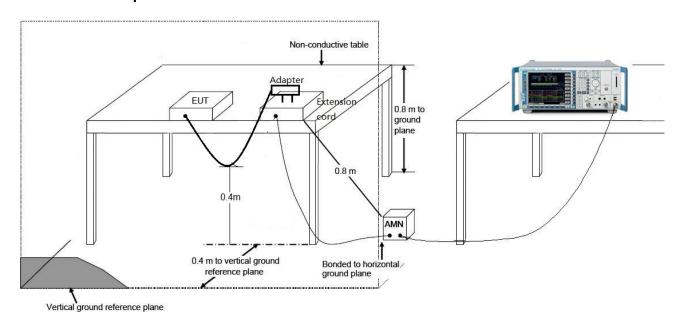
7.8.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.207 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							

Note 1: The lower limit shall apply at the transition frequencies.

Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

7.8.2. Test Setup



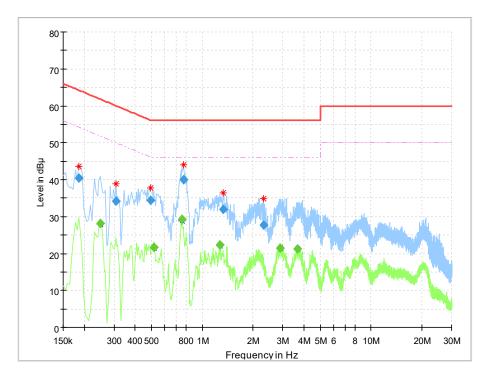
Report No.: S202304215278E06



7.8.3. Test Result

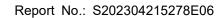
The worst case of Conducted Emissions:

	Multifunctional Clock		LINE			
EUT:	Bluetooth Speaker	Polarity:				
	Charger					
Model:	TEKHOME ONXYZ	Power Supply:	PSD67-C			
Mode:	Mode 1	Voltage:	120V/60Hz			
Environment:	Temp: 24°C; Humi:52%	Engineer:	Amos Xia			
Remark:	Transmit at BLE_1M Channel 00					



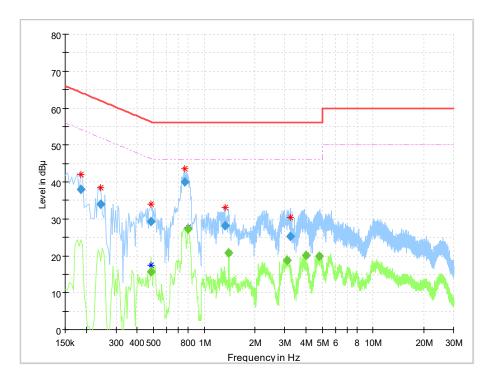
Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Line	Filter	Corr.
0.186000	40.35		64.21	23.87	100.0	9.000	L1	ON	9.6
0.249000		28.06	51.79	23.73	100.0	9.000	L1	ON	9.6
0.307500	34.22		60.04	25.82	100.0	9.000	L1	ON	9.6
0.496500	34.32		56.06	21.74	100.0	9.000	L1	ON	9.6
0.514500		21.61	46.00	24.39	100.0	9.000	L1	ON	9.6
0.757500		29.34	46.00	16.66	100.0	9.000	L1	ON	9.6
0.775500	39.97		56.00	16.03	100.0	9.000	L1	ON	9.6
1.266000		22.27	46.00	23.73	100.0	9.000	L1	ON	9.6
1.324500	31.97		56.00	24.03	100.0	9.000	L1	ON	9.6
2.305500	27.65		56.00	28.35	100.0	9.000	L1	ON	9.6
2.895000		21.50	46.00	24.50	100.0	9.000	L1	ON	9.6
3.669000		21.29	46.00	24.71	100.0	9.000	L1	ON	9.6

Page Number: 61 of 73

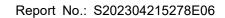




	Multifunctional Clock		NEUTRAL			
EUT:	Bluetooth Speaker	Polarity:				
	Charger					
Model:	TEKHOME ONXYZ	Power Supply:	PSD67-C			
Mode:	Mode 1	Voltage:	120V/60Hz			
Environment:	Temp: 24°C; Humi:52%	Engineer:	Amos Xia			
Remark:	Transmit at BLE_1M Channel 00					

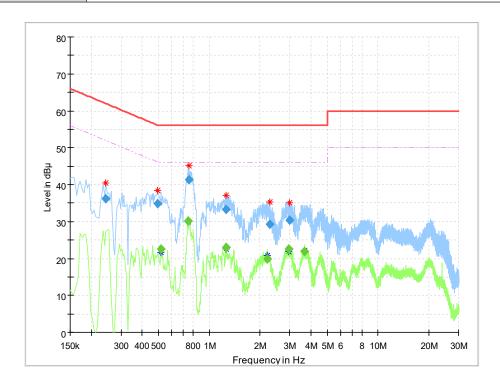


Frequency	QuasiPeak	Average	Limit	Margin	Meas.	Bandwidth	Line	Filter	Corr.
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dB)	Time	(kHz)			(dB)
0.186000	37.98		64.21	26.23	100.0	9.000	N	ON	9.6
0.244500	33.89		61.94	28.05	100.0	9.000	N	ON	9.6
0.483000		15.73	46.29	30.56	100.0	9.000	N	ON	9.6
0.483000	29.34	-	56.29	26.94	100.0	9.000	N	ON	9.6
0.766500	39.91	-	56.00	16.09	100.0	9.000	N	ON	9.6
0.802500		27.20	46.00	18.80	100.0	9.000	N	ON	9.6
1.324500	28.25		56.00	27.75	100.0	9.000	N	ON	9.6
1.396500		20.86	46.00	25.14	100.0	9.000	N	ON	9.6
3.088500		18.83	46.00	27.17	100.0	9.000	N	ON	9.6
3.237000	25.19		56.00	30.81	100.0	9.000	N	ON	9.6
4.020000		20.20	46.00	25.80	100.0	9.000	N	ON	9.7
4.771500		19.88	46.00	26.12	100.0	9.000	N	ON	9.7

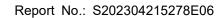




	Multifunctional Clock		LINE				
EUT:	Bluetooth Speaker	Polarity:					
	Charger						
Model:	TEKHOME ONXYZ	Power Supply:	PSD67-C				
Mode:	Mode 1	Voltage:	120V/60Hz				
Environment:	Temp: 24°C; Humi:52%	Engineer:	Amos Xia				
Remark:	Transmit at BLE_1M Channel 19						

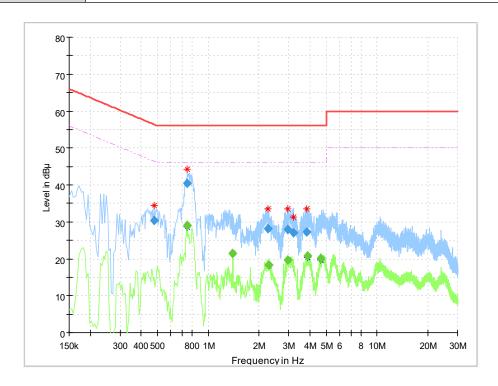


Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Line	Filter	Corr.
(IVII IZ)	(ubuv)	(ubuv)	(ubuv)	(ub)	Tillie	(KI IZ)			(dB)
0.244500	36.15		61.94	25.79	100.0	9.000	L1	ON	9.6
0.496500	34.92		56.06	21.14	100.0	9.000	L1	ON	9.6
0.519000		22.59	46.00	23.41	100.0	9.000	L1	ON	9.6
0.753000		30.09	46.00	15.91	100.0	9.000	L1	ON	9.6
0.762000	41.39		56.00	14.61	100.0	9.000	L1	ON	9.6
1.261500		23.02	46.00	22.98	100.0	9.000	L1	ON	9.6
1.261500	33.24		56.00	22.76	100.0	9.000	L1	ON	9.6
2.202000		19.94	46.00	26.06	100.0	9.000	L1	ON	9.6
2.292000	29.17		56.00	26.83	100.0	9.000	L1	ON	9.6
2.958000		22.63	46.00	23.37	100.0	9.000	L1	ON	9.6
2.998500	30.30		56.00	25.70	100.0	9.000	L1	ON	9.6
3.655500		21.90	46.00	24.10	100.0	9.000	L1	ON	9.6

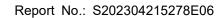




	Multifunctional Clock		NEUTRAL				
EUT:	Bluetooth Speaker	Polarity:					
	Charger						
Model:	TEKHOME ONXYZ	Power Supply:	PSD67-C				
Mode:	Mode 1	Voltage:	120V/60Hz				
Environment:	Temp: 24°C; Humi:52%	Engineer:	Amos Xia				
Remark:	Transmit at BLE_1M Channel 19						

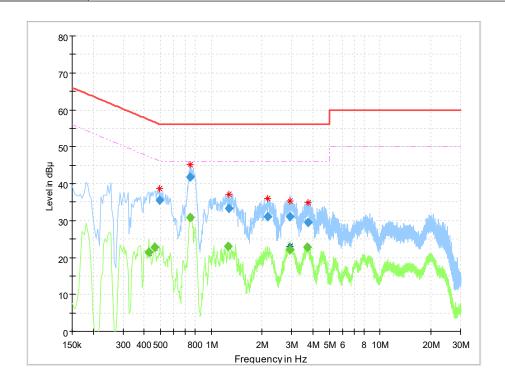


Frequency	QuasiPeak	Average	Limit	Margin	Meas.	Bandwidth	Line	Filter	Corr.
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dB)	Time	(kHz)			(dB)
0.478500	30.28		56.37	26.08	100.0	9.000	N	ON	9.6
0.753000		28.96	46.00	17.04	100.0	9.000	N	ON	9.6
0.753000	40.52		56.00	15.48	100.0	9.000	N	ON	9.6
1.396500		21.35	46.00	24.65	100.0	9.000	N	ON	9.6
2.265000	28.13	-	56.00	27.87	100.0	9.000	N	ON	9.6
2.283000		18.36	46.00	27.64	100.0	9.000	N	ON	9.6
2.949000		19.75	46.00	26.25	100.0	9.000	N	ON	9.6
2.958000	27.98		56.00	28.02	100.0	9.000	N	ON	9.6
3.183000	27.13		56.00	28.87	100.0	9.000	N	ON	9.6
3.822000	27.18		56.00	28.82	100.0	9.000	N	ON	9.6
3.889500		20.84	46.00	25.16	100.0	9.000	N	ON	9.6
4.650000		20.18	46.00	25.82	100.0	9.000	N	ON	9.7

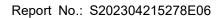




	Multifunctional Clock		LINE				
EUT:	Bluetooth Speaker	Polarity:					
	Charger						
Model:	TEKHOME ONXYZ	Power Supply:	PSD67-C				
Mode:	Mode 1	Voltage:	120V/60Hz				
Environment:	Temp: 24°C; Humi:52%	Engineer:	Amos Xia				
Remark:	Transmit at BLE_1M Channel 39						

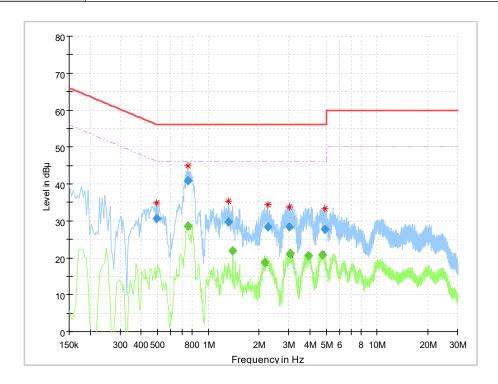


Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.429000		21.37	47.27	25.90	100.0	9.000	L1	ON	9.6
0.460500		22.71	46.68	23.98	100.0	9.000	L1	ON	9.6
0.496500	35.43		56.06	20.62	100.0	9.000	L1	ON	9.6
0.748500	41.75		56.00	14.25	100.0	9.000	L1	ON	9.6
0.753000		30.73	46.00	15.27	100.0	9.000	L1	ON	9.6
1.261500		22.92	46.00	23.08	100.0	9.000	L1	ON	9.6
1.270500	33.41		56.00	22.59	100.0	9.000	L1	ON	9.6
2.152500	30.98		56.00	25.02	100.0	9.000	L1	ON	9.6
2.917500		22.19	46.00	23.81	100.0	9.000	L1	ON	9.6
2.935500	31.12		56.00	24.88	100.0	9.000	L1	ON	9.6
3.700500		22.74	46.00	23.26	100.0	9.000	L1	ON	9.6
3.741000	29.57		56.00	26.43	100.0	9.000	L1	ON	9.6

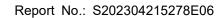




	Multifunctional Clock		NEUTRAL				
EUT:	Bluetooth Speaker	Polarity:					
	Charger						
Model:	TEKHOME ONXYZ	Power Supply:	PSD67-C				
Mode:	Mode 1	Voltage:	120V/60Hz				
Environment:	Temp: 24°C; Humi:52%	Engineer:	Amos Xia				
Remark:	Transmit at BLE_1M Channel 39						

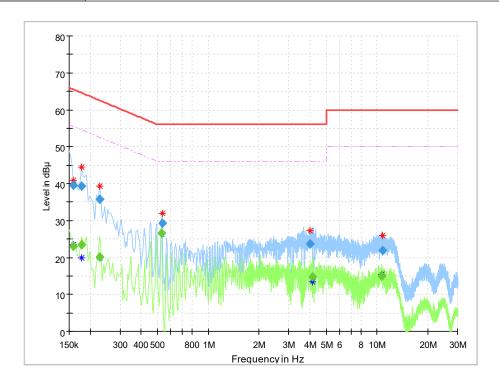


Frequency	QuasiPeak	Average	Limit	Margin	Meas.	Bandwidth	Line	Filter	Corr.
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dB)	Time	(kHz)			(dB)
0.492000	30.67		56.13	25.46	100.0	9.000	N	ON	9.6
0.757500		28.68	46.00	17.32	100.0	9.000	N	ON	9.6
0.757500	40.87		56.00	15.13	100.0	9.000	N	ON	9.6
1.315500	29.62		56.00	26.38	100.0	9.000	N	ON	9.6
1.396500		21.89	46.00	24.11	100.0	9.000	N	ON	9.6
2.148000		18.83	46.00	27.17	100.0	9.000	N	ON	9.6
2.265000	28.41		56.00	27.59	100.0	9.000	N	ON	9.6
3.030000	28.33		56.00	27.67	100.0	9.000	N	ON	9.6
3.061500		21.23	46.00	24.77	100.0	9.000	N	ON	9.6
3.903000		20.66	46.00	25.34	100.0	9.000	N	ON	9.6
4.749000		20.86	46.00	25.14	100.0	9.000	N	ON	9.7
4.897500	27.79		56.00	28.21	100.0	9.000	N	ON	9.7

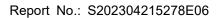




	Multifunctional Clock		NEUTRAL				
EUT:	Bluetooth Speaker	Polarity:					
	Charger						
Model:	TEKHOME ONXYZ	Power Supply:	A869-200325C-US1				
Mode:	Mode 1	Voltage:	120V/60Hz				
Environment:	Temp: 24°C; Humi:52%	Engineer:	Amos Xia				
Remark:	Transmit at BLE_1M Channel 00						



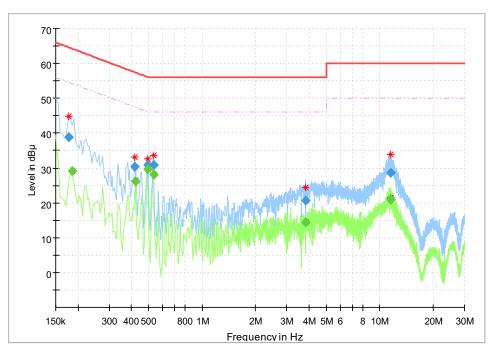
Frequency	QuasiPeak	Average	Limit	Margin	Meas.	Bandwidth	Line	Filter	Corr.
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dB)	Time	(kHz)			(dB)
0.159000	39.47		65.52	26.05	100.0	9.000	L1	ON	9.6
0.159000		23.01	55.52	32.51	100.0	9.000	L1	ON	9.6
0.177000		23.44	54.63	31.19	100.0	9.000	L1	ON	9.6
0.177000	39.28		64.63	25.35	100.0	9.000	L1	ON	9.6
0.226500		20.14	52.58	32.44	100.0	9.000	L1	ON	9.6
0.226500	35.72		62.58	26.86	100.0	9.000	L1	ON	9.6
0.528000		26.52	46.00	19.48	100.0	9.000	L1	ON	9.6
0.532500	29.36		56.00	26.64	100.0	9.000	L1	ON	9.6
4.015500	23.68		56.00	32.32	100.0	9.000	L1	ON	9.7
4.132500		14.67	46.00	31.33	100.0	9.000	L1	ON	9.7
10.617000		15.00	50.00	35.00	100.0	9.000	L1	ON	9.7
10.819500	21.88		60.00	38.12	100.0	9.000	L1	ON	9.7



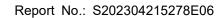


	Multifunctional Clock		NEUTRAL				
EUT:	Bluetooth Speaker	Polarity:					
	Charger						
Model:	TEKHOME ONXYZ	Power Supply:	A869-200325C-US1				
Mode:	Mode 1	Voltage:	120V/60Hz				
Environment:	Temp: 24℃; Humi:52%	Engineer:	Amos Xia				
Remark:	Transmit at BLE_1M Channel 00						

Full Spectrum

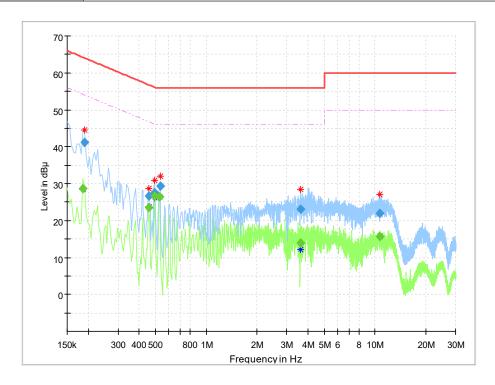


Frequency	QuasiPeak	Average	Limit	Margin	Meas.	Bandwidth	Line	Filter	Corr.
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dB)	Time	(kHz)			(dB)
0.177000	38.94		64.63	25.69	100.0	9.000	N	ON	9.6
0.186000		29.06	54.21	25.15	100.0	9.000	N	ON	9.6
0.415500	30.30		57.54	27.24	100.0	9.000	N	ON	9.6
0.420000		26.03	47.45	21.42	100.0	9.000	N	ON	9.6
0.492000		29.59	46.13	16.55	100.0	9.000	N	ON	9.6
0.492000	30.90		56.13	25.23	100.0	9.000	N	ON	9.6
0.532500	30.97		56.00	25.03	100.0	9.000	N	ON	9.6
0.532500		28.20	46.00	17.80	100.0	9.000	N	ON	9.6
3.835500	20.53		56.00	35.47	100.0	9.000	N	ON	9.6
3.835500		14.52	46.00	31.48	100.0	9.000	N	ON	9.6
11.494500		21.02	50.00	28.98	100.0	9.000	N	ON	9.7
11.539500	28.71		60.00	31.29	100.0	9.000	N	ON	9.7

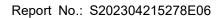




	Multifunctional Clock		NEUTRAL		
EUT:	Bluetooth Speaker	Polarity:			
	Charger				
Model:	TEKHOME ONXYZ	Power Supply:	A869-200325C-US1		
Mode:	Mode 1	Voltage:	120V/60Hz		
Environment:	Temp: 24°C; Humi:52%	Engineer:	Amos Xia		
Remark:	Transmit at BLE_1M Channel 19				



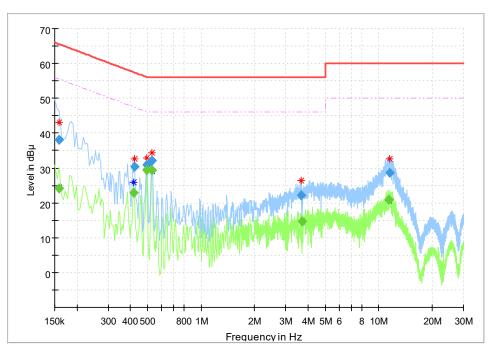
Frequency	QuasiPeak	Average	Limit	Margin	Meas.	Bandwidth	Line	Filter	Corr.
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dB)	Time	(kHz)			(dB)
0.186000		28.77	54.21	25.44	100.0	9.000	L1	ON	9.6
0.190500	41.07		64.02	22.95	100.0	9.000	L1	ON	9.6
0.456000		23.62	46.77	23.14	100.0	9.000	L1	ON	9.6
0.456000	26.60		56.77	30.16	100.0	9.000	L1	ON	9.6
0.492000		26.56	46.13	19.57	100.0	9.000	L1	ON	9.6
0.496500	27.43		56.06	28.62	100.0	9.000	L1	ON	9.6
0.528000		26.42	46.00	19.58	100.0	9.000	L1	ON	9.6
0.532500	29.44		56.00	26.56	100.0	9.000	L1	ON	9.6
3.610500	23.17		56.00	32.83	100.0	9.000	L1	ON	9.6
3.610500		13.91	46.00	32.09	100.0	9.000	L1	ON	9.6
10.675500		15.72	50.00	34.28	100.0	9.000	L1	ON	9.7
10.675500	21.88		60.00	38.12	100.0	9.000	L1	ON	9.7



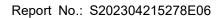


	Multifunctional Clock		NEUTRAL		
EUT:	Bluetooth Speaker	Polarity:			
	Charger				
Model:	TEKHOME ONXYZ	Power Supply:	A869-200325C-US1		
Mode:	Mode 1	Voltage:	120V/60Hz		
Environment:	Temp: 24°C; Humi:52%	Engineer:	Amos Xia		
Remark:	Transmit at BLE_1M Channel 19				

Full Spectrum

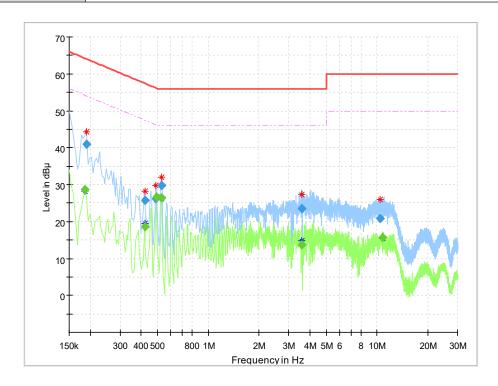


Frequency	QuasiPeak	Average	Limit	Margin	Meas.	Bandwidth	Line	Filter	Corr.
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dB)	Time	(kHz)			(dB)
0.159000		24.24	55.52	31.28	100.0	9.000	N	ON	9.6
0.159000	38.06		65.52	27.46	100.0	9.000	N	ON	9.6
0.415500		22.97	47.54	24.56	100.0	9.000	N	ON	9.6
0.420000	30.38		57.45	27.06	100.0	9.000	N	ON	9.6
0.492000		29.47	46.13	16.67	100.0	9.000	N	ON	9.6
0.492000	30.88		56.13	25.26	100.0	9.000	N	ON	9.6
0.528000	32.18		56.00	23.82	100.0	9.000	N	ON	9.6
0.528000		29.30	46.00	16.70	100.0	9.000	N	ON	9.6
3.660000	22.06		56.00	33.94	100.0	9.000	N	ON	9.6
3.700500		14.59	46.00	31.41	100.0	9.000	N	ON	9.6
11.445000		20.90	50.00	29.10	100.0	9.000	N	ON	9.7
11.571000	28.67		60.00	31.33	100.0	9.000	N	ON	9.7

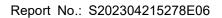




	Multifunctional Clock		NEUTRAL		
EUT:	Bluetooth Speaker	Polarity:			
	Charger				
Model:	TEKHOME ONXYZ	Power Supply:	A869-200325C-US1		
Mode:	Mode 1	Voltage:	120V/60Hz		
Environment:	Temp: 24°C; Humi:52%	Engineer:	Amos Xia		
Remark:	Transmit at BLE_1M Channel 39				



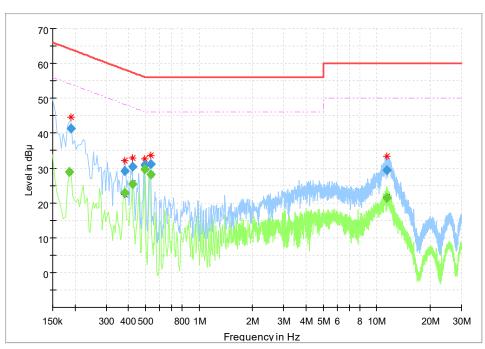
Frequency	QuasiPeak	Average	Limit	Margin	Meas.	Bandwidth	Line	Filter	Corr.
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dB)	Time	(kHz)			(dB)
0.186000		28.68	54.21	25.53	100.0	9.000	L1	ON	9.6
0.190500	40.90		64.02	23.11	100.0	9.000	L1	ON	9.6
0.420000		18.62	47.45	28.83	100.0	9.000	L1	ON	9.6
0.420000	25.73		57.45	31.72	100.0	9.000	L1	ON	9.6
0.487500	26.16		56.21	30.05	100.0	9.000	L1	ON	9.6
0.492000		26.61	46.13	19.53	100.0	9.000	L1	ON	9.6
0.528000	29.70		56.00	26.30	100.0	9.000	L1	ON	9.6
0.528000		26.41	46.00	19.59	100.0	9.000	L1	ON	9.6
3.561000	23.44		56.00	32.56	100.0	9.000	L1	ON	9.6
3.561000		13.72	46.00	32.28	100.0	9.000	L1	ON	9.6
10.437000	20.92		60.00	39.08	100.0	9.000	L1	ON	9.7
10.770000		15.63	50.00	34.37	100.0	9.000	L1	ON	9.7





	Multifunctional Clock		NEUTRAL		
EUT:	Bluetooth Speaker	Polarity:			
	Charger				
Model:	TEKHOME ONXYZ	Power Supply:	A869-200325C-US1		
Mode:	Mode 1	Voltage:	120V/60Hz		
Environment:	Temp: 24°C; Humi:52%	Engineer:	Amos Xia		
Remark:	Transmit at BLE_1M Channel 39				

Full Spectrum



Frequency	QuasiPeak	Average	Limit	Margin	Meas.	Bandwidth	Line	Filter	Corr.
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dB)	Time	(kHz)			(dB)
0.186000		28.82	54.21	25.39	100.0	9.000	N	ON	9.6
0.190500	41.25		64.02	22.76	100.0	9.000	N	ON	9.6
0.379500		22.87	48.29	25.42	100.0	9.000	N	ON	9.6
0.379500	29.03		58.29	29.27	100.0	9.000	N	ON	9.6
0.420000		25.49	47.45	21.96	100.0	9.000	N	ON	9.6
0.420000	30.39		57.45	27.06	100.0	9.000	N	ON	9.6
0.492000	30.89		56.13	25.24	100.0	9.000	N	ON	9.6
0.492000		29.54	46.13	16.60	100.0	9.000	N	ON	9.6
0.532500	31.01		56.00	24.99	100.0	9.000	N	ON	9.6
0.532500		28.21	46.00	17.79	100.0	9.000	N	ON	9.6
11.373000	29.35		60.00	30.65	100.0	9.000	N	ON	9.7
11.427000		21.31	50.00	28.69	100.0	9.000	N	ON	9.7



8. CONCLUSION

The data collected relate only the item(s) tested and show	w that the Multifunctional Clock Bluetooth
Speaker Charger is in compliance with Part 15C of the FC	CC Rules.
——— The End	