

Shenzhen HTT Technology Co., Ltd.

Report No.: HTT202409513F01

TEST Report

Applicant: Guangzhou Meijiaren Trading Co., Ltd

Address of Applicant: Room 303, Building 5, No. 6 Wanggang Avenue, Baiyun

District, Guangzhou City

Manufacturer: Guangzhou Meijiaren Trading Co., Ltd

Address of Room 303, Building 5, No. 6 Wanggang Avenue, Baiyun

Manufacturer: District, Guangzhou City

Equipment Under Test (EUT)

Product Name: massager

Model No.: MJ001

Series model: N/A

Trade Mark: N/A

FCC ID: 2BLFL-MJ001

Applicable standards: FCC CFR Title 47 Part 15 Subpart C Section 15.247

Date of sample receipt: Sep. 19, 2024

Date of Test: Sep. 19, 2024 ~ Sep. 26, 2024

Date of report issued: Sep. 26, 2024

Test Result: PASS *

^{*} In the configuration tested, the EUT complied with the standards specified above.



1. Version

Version No.	Date	Description
00	Sep. 26, 2024	Original

Tested/ Prepared By	Heber He	Date:	Sep. 26, 2024
	Project Engineer	_	
Check By:	Bruce Zhu	Date:	Sep. 26, 2024
	Reviewer		
Approved By :	Kevin Yang HT	Date:	Sep. 26, 2024
	Authorized Signature		



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3. Test Summary

Test Item	Section in CFR 47	Result
Antenna requirement	15.203/15.247 (c)	Pass
AC Power Line Conducted Emission	15.207	Pass
Conducted Output Power	15.247 (b)(3)	Pass
Channel Bandwidth	15.247 (a)(2)	Pass
Power Spectral Density	15.247 (e)	Pass
Band Edge	15.247(d)	Pass
Spurious Emission	15.205/15.209	Pass

Remarks:

- 1. Pass: The EUT complies with the essential requirements in the standard.
- 2. Test according to ANSI C63.10:2013

Measurement Uncertainty

Test Item	Frequency Range	Measurement Uncertainty	Notes		
Radiated Emission	30~1000MHz	4.37 dB	(1)		
Radiated Emission	1~18GHz	5.40 dB	(1)		
Radiated Emission	18-40GHz	5.45 dB	(1)		
Conducted Disturbance	0.15~30MHz	2.68 dB	(1)		
Note (1): The measurement uncertainty is for coverage factor of k=2 and a level of confidence of 95%.					



4. General Information

4.1. General Description of EUT

.
massager
MJ001
N/A
HTT202409513-1(Engineer sample) HTT202409513-2(Normal sample)
2402~2480 MHz
40
GFSK
2MHz
Wire Antenna
0.00dBi
DC 3.7V From Battery and DC 5V From External Circuit
Mode: GS-0500200 Input: AC100-240V, 50/60Hz, 0.3A max Output: DC 5V, 2A



Channel	Frequency(MHz)	Channel	Frequency(MHz)
0	2402	20	2442
1	2404	21	2444
2	2406	22	2446
3	2408	23	2448
4	2410	24	2450
5	2412	25	2452
6	2414	26	2454
7	2416	27	2456
8	2418	28	2458
9	2420	29	2460
10	2422	30	2462
11	2424	31	2464
12	2426	32	2466
13	2428	33	2468
14	2430	34	2470
15	2432	35	2472
16	2434	36	2474
17	2436	37	2476
18	2438	38	2478
19	2440	39	2480

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Channel	Frequency
The lowest channel	2402MHz
The middle channel	2440MHz
The Highest channel	2480MHz



4.2. Test mode

Transmitting mode Keep the EUT in continuously transmitting mode.

Remark: During the test, the test voltage was tuned from 85% to 115% of the nominal rated supply voltage, and found that the worst case was under the nominal rated supply condition. So the report just shows that condition's data.

4.3. Description of Support Units

None.

4.4. Deviation from Standards

None.

4.5. Abnormalities from Standard Conditions

None.

4.6. Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

FCC-Registration No.: 779513 Designation Number: CN1319

Shenzhen HTT Technology Co.,Ltd. has been accredited on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements.

A2LA-Lab Cert. No.: 6435.01

Shenzhen HTT Technology Co.,Ltd. has been listed by American Association for Laboratory Accreditation to perform electromagnetic emission measurement.

The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.10 and CISPR 16-1-4:2010.

4.7. Test Location

All tests were performed at:

Shenzhen HTT Technology Co.,Ltd.

1F, Building B, Huafeng International Robotics Industrial Park, Hangcheng Road, Nanchang Community, Xixiang Street, Bao'an District, Shenzhen, Guangdong, China

Tel: 0755-23595200 Fax: 0755-23595201

4.8. Additional Instructions

Test Software	Special AT test command provided by manufacturer to Keep the EUT in continuously transmitting mode and hopping mode
Power level setup	Default



5. Test Instruments list

<u>J.</u>	i est ilisti ulliei					
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	3m Semi- Anechoic Chamber	Shenzhen C.R.T technology co., LTD	9*6*6	HTT-E028	Aug. 10 2024	Aug. 09 2027
2	Control Room	Shenzhen C.R.T technology co., LTD	4.8*3.5*3.0	HTT-E030	Aug. 10 2024	Aug. 09 2027
3	EMI Test Receiver	Rohde&Schwar	ESCI7	HTT-E022	Apr. 26 2024	Apr. 25 2025
4	Spectrum Analyzer	Rohde&Schwar	FSP	HTT-E037	Apr. 26 2024	Apr. 25 2025
5	Coaxial Cable	ZDecl	ZT26-NJ-NJ-0.6M	HTT-E018	Apr. 26 2024	Apr. 25 2025
6	Coaxial Cable	ZDecl	ZT26-NJ-SMAJ-2M	HTT-E019	Apr. 26 2024	Apr. 25 2025
7	Coaxial Cable	ZDecl	ZT26-NJ-SMAJ-0.6M	HTT-E020	Apr. 26 2024	Apr. 25 2025
8	Coaxial Cable	ZDecl	ZT26-NJ-SMAJ-8.5M	HTT-E021	Apr. 26 2024	Apr. 25 2025
9	Composite logarithmic antenna	Schwarzbeck	VULB 9168	HTT-E017	May. 21 2024	May. 20 2025
10	Horn Antenna	Schwarzbeck	BBHA9120D	HTT-E016	May. 20 2024	May. 19 2025
11	Loop Antenna	Zhinan	ZN30900C	HTT-E039	Apr. 26 2024	Apr. 25 2025
12	Horn Antenna	Beijing Hangwei Dayang	OBH100400	HTT-E040	Apr. 26 2024	Apr. 25 2025
13	low frequency Amplifier	Sonoma Instrument	310	HTT-E015	Apr. 26 2024	Apr. 25 2025
14	high-frequency Amplifier	HP	8449B	HTT-E014	Apr. 26 2024	Apr. 25 2025
15	Variable frequency power supply	Shenzhen Anbiao Instrument Co., Ltd	ANB-10VA	HTT-082	Apr. 26 2024	Apr. 25 2025
16	EMI Test Receiver	Rohde & Schwarz	ESCS30	HTT-E004	Apr. 26 2024	Apr. 25 2025
17	Artificial Mains	Rohde & Schwarz	ESH3-Z5	HTT-E006	May. 23 2024	May. 22 2025
18	Artificial Mains	Rohde & Schwarz	ENV-216	HTT-E038	May. 23 2024	May. 22 2025
19	Cable Line	Robinson	Z302S-NJ-BNCJ-1.5M	HTT-E001	Apr. 26 2024	Apr. 25 2025
20	Attenuator	Robinson	6810.17A	HTT-E007	Apr. 26 2024	Apr. 25 2025
21	Variable frequency power supply	Shenzhen Yanghong Electric Co., Ltd	YF-650 (5KVA)	HTT-E032	Apr. 26 2024	Apr. 25 2025
22	Control Room	Shenzhen C.R.T technology co., LTD	8*4*3.5	HTT-E029	Aug. 10 2024	Aug. 09 2027
23	DC power supply	Agilent	E3632A	HTT-E023	Apr. 26 2024	Apr. 25 2025
24	EMI Test Receiver	Agilent	N9020A	HTT-E024	Apr. 26 2024	Apr. 25 2025
25	Analog signal generator	Agilent	N5181A	HTT-E025	Apr. 26 2024	Apr. 25 2025
26	Vector signal generator	Agilent	N5182A	HTT-E026	Apr. 26 2024	Apr. 25 2025
27	Power sensor	Keysight	U2021XA	HTT-E027	Apr. 26 2024	Apr. 25 2025
28	Temperature and humidity meter	Shenzhen Anbiao Instrument Co., Ltd	TH10R	HTT-074	Apr. 28 2024	Apr. 27 2025
29	Radiated Emission Test Software	Farad	EZ-EMC	N/A	N/A	N/A
30	Conducted Emission Test Software	Farad	EZ-EMC	N/A	N/A	N/A
31	RF Test Software	panshanrf	TST	N/A	N/A	N/A



6. Test results and Measurement Data

6.1. Conducted Emissions

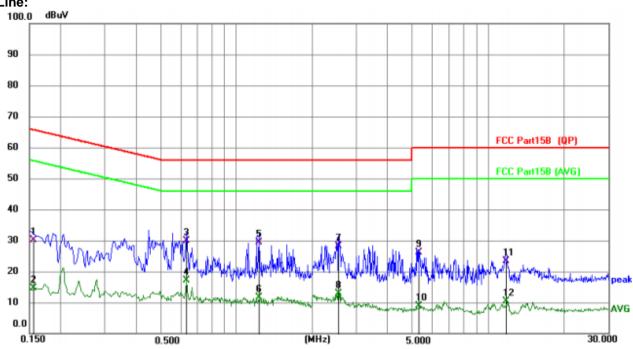
0.1. Oonducted Emissions						
Test Requirement:	FCC Part15 C Section 15.207					
Test Method:	ANSI C63.10:2013					
Test Frequency Range:	150KHz to 30MHz					
Class / Severity:	Class B					
Receiver setup:	RBW=9KHz, VBW=30KHz, S	Sweep time=auto				
Limit:	[Limit	(dBuV)			
	Frequency range (MHz) Quasi-peak Average					
	0.15-0.5 66 to 56* 56 to 46*					
	0.5-5	56		6		
	5-30	60	5	0		
-	* Decreases with the logarith					
Test setup:	Reference Plan	ne	_			
	Remark: EU.T. Equipment Under Test LISN Line Impedence Stabilization Network Test table height=0.8m					
Test procedure:	 The E.U.T and simulators line impedance stabilization 500hm/50uH coupling impedances are LISN that provides a 500h termination. (Please refer photographs). Both sides of A.C. line are interference. In order to fin positions of equipment an according to ANSI C63.10 	on network (L.I.S.N.). Declare for the measure also connected to the nm/50uH coupling imput to the block diagram of the checked for maximum and the maximum emisted all of the interface care	This provided uring equipmed ance with of the test seems conducted sion, the related ables must be	ent. er through a 500hm tup and ative		
Test Instruments:	Refer to section 6.0 for detail	ls		_		
Test mode:	Refer to section 5.2 for detail	ls				
Test environment:	Temp.: 25 °C Hu	ımid.: 52%	Press.:	1012mbar		
Test voltage:	AC 120V, 60Hz	1				
Test results:	PASS					
	•					

Remark: Based on all tested data, the EUT complied with the FCC Part 15.207 standard limit for a wireless device, and with the worst case as below:.



Measurement data:

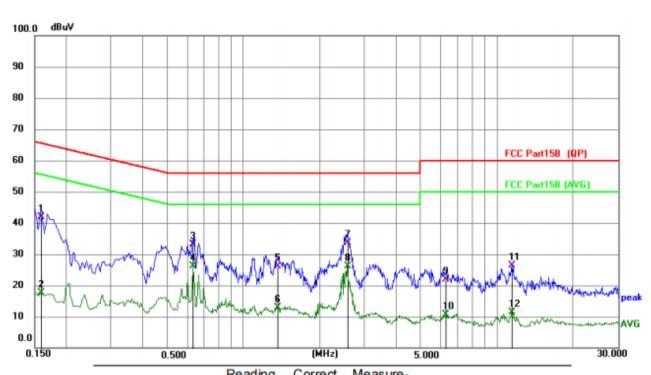




No. M	Mk. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
	MHz		dB	dBuV	dBuV	dB	Detector
1	0.1556	20.07	10.16	30.23	65.70	-35.47	QP
2	0.1556	4.37	10.16	14.53	55.70	-41.17	AVG
3 '	* 0.6315	19.68	10.32	30.00	56.00	-26.00	QP
4	0.6315	6.83	10.32	17.15	46.00	-28.85	AVG
5	1.2345	18.86	10.41	29.27	56.00	-26.73	QP
6	1.2345	1.33	10.41	11.74	46.00	-34.26	AVG
7	2.5574	17.55	10.46	28.01	56.00	-27.99	QP
8	2.5574	2.39	10.46	12.85	46.00	-33.15	AVG
9	5.3250	15.41	10.61	26.02	60.00	-33.98	QP
10	5.3250	-1.64	10.61	8.97	50.00	-41.03	AVG
11	11.7735	12.66	10.83	23.49	60.00	-36.51	QP
12	11.7735	-0.38	10.83	10.45	50.00	-39.55	AVG



Neutral:



No.	Mk.	Freq.	Level	Factor	ment	Limit	Over	
		MHz		dB	dBuV	dBuV	dB	Detector
1		0.1590	31.60	10.17	41.77	65.52	-23.75	QP
2		0.1590	7.48	10.17	17.65	55.52	-37.87	AVG
3		0.6314	22.89	10.35	33.24	56.00	-22.76	QP
4	*	0.6314	15.90	10.35	26.25	46.00	-19.75	AVG
5		1.3693	15.71	10.35	26.06	56.00	-29.94	QP
6		1.3693	2.56	10.35	12.91	46.00	-33.09	AVG
7		2.5710	23.16	10.43	33.59	56.00	-22.41	QP
8		2.5710	15.63	10.43	26.06	46.00	-19.94	AVG
9		6.2835	11.33	10.65	21.98	60.00	-38.02	QP
10		6.2835	-0.11	10.65	10.54	50.00	-39.46	AVG
11		11.4630	15.46	10.97	26.43	60.00	-33.57	QP
12		11.4630	0.53	10.97	11.50	50.00	-38.50	AVG

Notes:

- 1. An initial pre-scan was performed on the line and neutral lines with peak detector.
- 2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3. Final Level =Receiver Read level + LISN Factor + Cable Los



6.2. Conducted Output Power

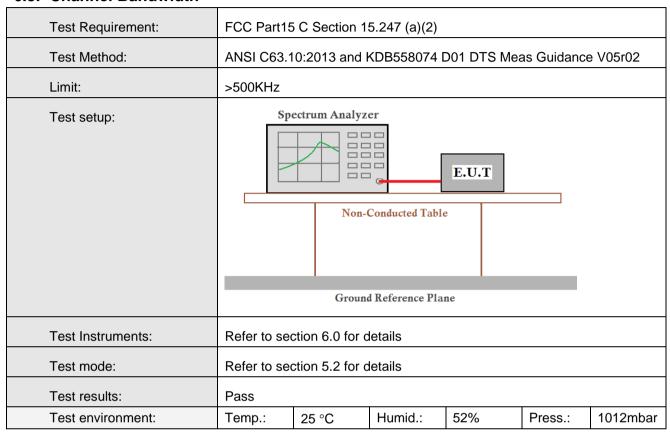
Test Requirement: Test Method:		FCC Part15 C Section 15.247 (b)(3) ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance V05r02						
Limit:	30dBm							
Test setup:	Power Me	Power Meter E.U.T Non-Conducted Table Ground Reference Plane						
Test Instruments:	Refer to sec	tion 6.0 for d	letails					
Test mode:	Refer to sec	tion 5.2 for d	letails					
Test results:	Pass							
Test environment:	Temp.:	25 °C	Humid.:	52%	Press.:	1012mbar		

Measurement Data

Test channel	Peak Output Power (dBm)	Limit(dBm)	Result
Lowest	5.46		
Middle	4.82	30.00	Pass
Highest	3.43		



6.3. Channel Bandwidth

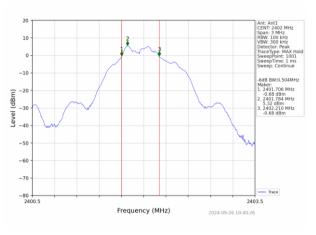


Measurement Data

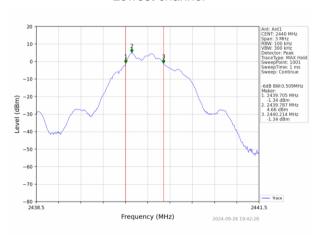
Test channel	Channel Bandwidth (MHz)	Limit(KHz)	Result	
Lowest	0.504			
Middle	0.509	>500	Pass	
Highest	0.508			



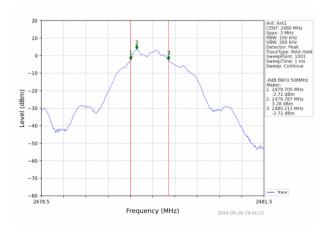
Test plot as follows:



Lowest channel



Middle channel



Highest channel



6.4. Power Spectral Density

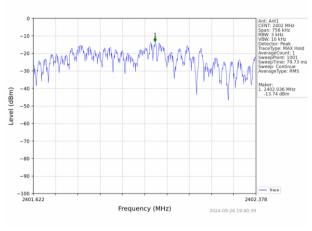
Test Requirement:	FCC Part15 C Section 15.247 (e)							
Test Method:	ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance V05r02							
Limit:	8dBm/3kHz							
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane							
Test Instruments:	Refer to section 6.0 for details							
Test mode:	Refer to section 5.2 for details							
Test results:	Pass							
Test environment:	Temp.: 25 °C Humid.: 52% Press.: 1012mbar							

Measurement Data

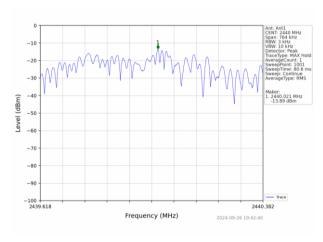
Test channel	Power Spectral Density (dBm/3kHz)	Limit(dBm/3kHz)	Result	
Lowest	-13.74		Pass	
Middle	-13.89	8.00		
Highest	-14.98			



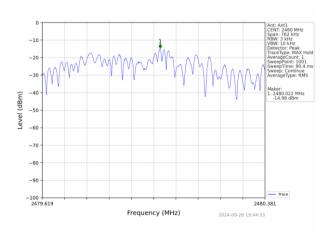
Test plot as follows:



Lowest channel



Middle channel



Highest channel

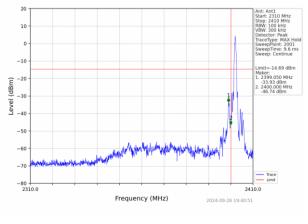


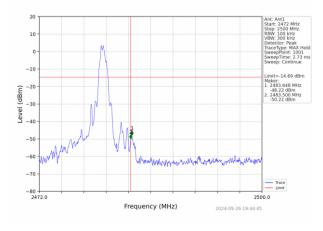
6.5. Band edges

6.5.1 Conducted Emission Method

0.3.1 Conducted Linisatori Metrica										
Test Requirement:	FCC Part15	FCC Part15 C Section 15.247 (d)								
Test Method:	ANSI C63.1	ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance V05r02								
Limit:	spread spec power that i below that i highest leve	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Spectrum Analyzer Non-Conducted Table Ground Reference Plane								
Test setup:	Sp									
Test Instruments:	Refer to see	ction 6.0 for d	etails							
Test mode:	Refer to see	ction 5.2 for d	etails							
Test results:	Pass									
Test environment:	Temp.:									

Test plot as follows:





Lowest channel

Highest channel



6.5.2 Radiated Emission Method

Test Requirement:	FCC Part15 C Section 15.209 and 15.205							
Test Method:	ANSI C63.10:20	013						
Test Frequency Range:		All of the restrict bands were tested, only the worst band's (2310MHz to 2500MHz) data was showed.						
Test site:	Measurement Distance: 3m							
Receiver setup:	Frequency	Detector	RBW	VBW	Value			
	Above 1GHz	Peak	1MHz	3MHz	Peak			
	Above 1GHz	RMS	1MHz	3MHz	Average			
Limit:	Freque	ency	Limit (dBuV		Value			
	Above 1	GHz	54.0 74.0		Average Peak			
Test setup:	Tum Table	The state of the s						
Test Procedure:	the ground are determine the 2. The EUT was antenna, whis tower. 3. The antennal ground to deshorizontal and measurement. 4. For each sussend then the and the rotate the maximum. 5. The test-recesspecified Base. 6. If the emission the limit specified Base of the EUT with have 10dB mis peak or average sheet. 7. The radiation and found the settlement of the settlement.	t a 3 meter came position of the set 3 meters a ch was mounted height is varied termine the mad vertical polarist. Spected emission antenna was turned a reading. Every system was now level of the Edified, then testive and be reported argin would be age method as a measurement e X axis position.	aber. The tall he highest race away from the don the top of the from one nations of the from	ole was rotadiation. The interferer of a variable of the field one antennal was arrange hts from 1 r grees to 360 at Detect Full Mode, mode was a stopped and then reported in X, Y, t is worse of the interference of the control of t	r meters above the distrength. Both are set to make the ed to its worst case meter to 4 meters 0 degrees to find function and 10dB lower than and the peak values sions that did not using peak, quasi-			
Test Instruments:	Refer to section	node is recorde 6.0 for details	<u></u>					



Test mode:	Refer to sec	Refer to section 5.2 for details						
Test results:	Pass							
Test environment:	Temp.:	25 °C	Humid.:	52%	Press.:	1012mbar		

Measurement Data

Operation Mode: GFSK

Freque	equency(MHz):		24	02	Polarity:		HORIZONTAL		
Frequency (MHz)	Emis Le (dBu	vel	Limit (dBuV/m)	Margin (dB)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre- amplifier (dB)	Correction Factor (dB/m)
2390.00	59.99	PK	74	14.01	61.38	27.2	4.31	32.9	-1.39
2390.00	45.23	AV	54	8.77	46.62	27.2	4.31	32.9	-1.39
Freque	ncy(MHz)	:	24	02	Pola	arity:		VERTICAL	1
Frequency (MHz)	Emis Le [,] (dBu	vel	Limit (dBuV/m)	Margin (dB)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre- amplifier (dB)	Correction Factor (dB/m)
2390.00	58.55	PK	74	15.45	59.94	27.2	4.31	32.9	-1.39
2390.00	45.68	AV	54	8.32	47.07	27.2	4.31	32.9	-1.39
Freque	ncy(MHz)	:	2480		P olarity:		HORIZONTAL		
Frequency (MHz)	Emis Le (dBu	vel	Limit (dBuV/m)		Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre- amplifier (dB)	Correction Factor (dB/m)
2483.50	56.65	PK	74	17.35	57.58	27.4	4.47	32.8	-0.93
2483.50	45.99	AV	54	8.01	46.92	27.4	4.47	32.8	-0.93
Freque	ncy(MHz)	:	24	80	Pola	arity:	VERTICAL		
Frequency (MHz)	Emis Le	vel	Limit (dBuV/m)	Margin (dB)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre- amplifier (dB)	Correction Factor (dB/m)
2483.50	55.53	PK	74	18.47	56.46	27.4	4.47	32.8	-0.93
2483.50	44.83	AV	54	9.17	45.76	27.4	4.47	32.8	-0.93

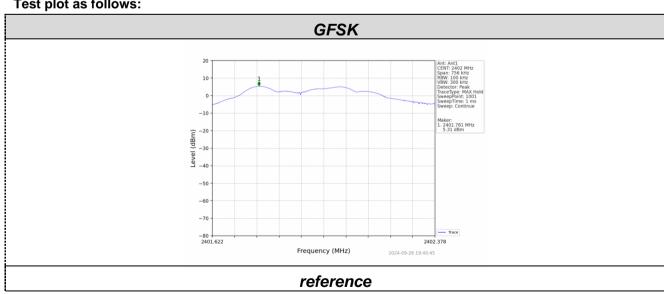


6.6. Spurious Emission

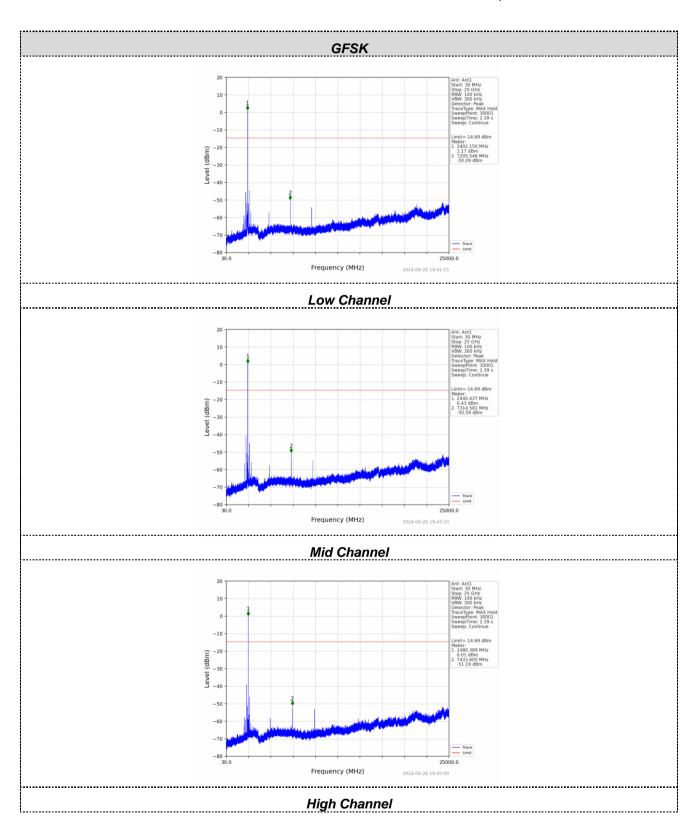
6.6.1 Conducted Emission Method

Test Requirement:	FCC Part15 C Section 15.247 (d)							
Test Method:	ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance V05r02							
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.							
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane							
Test Instruments:	Refer to section 6.0 for details							
Test mode:	Refer to section 5.2 for details							
Test results:	Pass							
Test environment:	Temp.: 25 °C Humid.: 52% Press.: 1012mbar							

Test plot as follows:





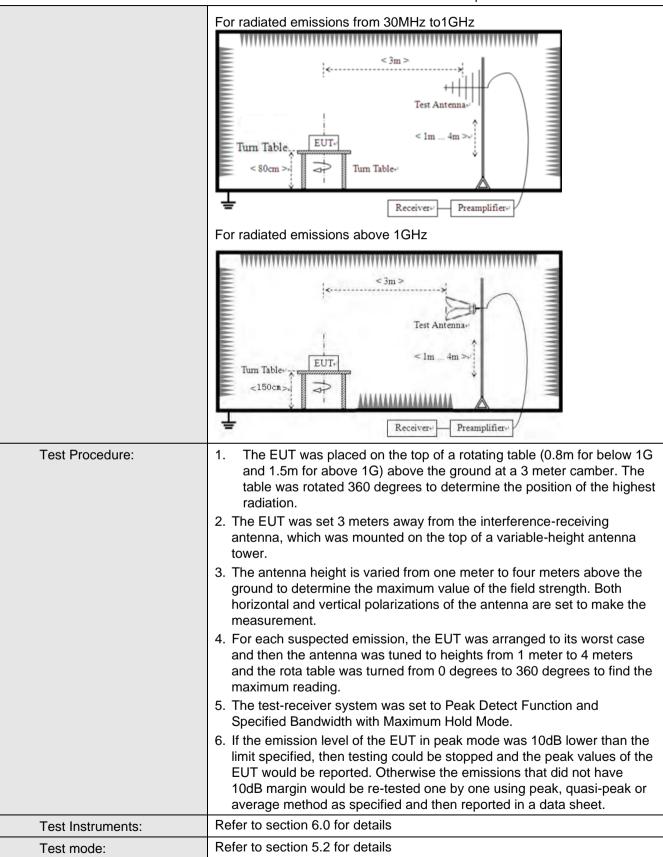




6.6.2 Radiated Emission Method

Test Requirement:	FCC Part15 C Section 15.209								
Test Method:	ANSI C63.10:2013								
Test Frequency Range:	9kHz to 25GHz								
Test site:	Measurement Distance: 3m								
Receiver setup:	Frequency	Detector	RB\	N	VBW	Va	lue		
	9KHz-150KHz	Qι	ıasi-peak	200H	Ηz	600Hz	z Quas	i-peak	
	150KHz-30MHz	Qι	ıasi-peak	9KF	łz	30KH	z Quas	i-peak	
	30MHz-1GHz	ä	ıasi-peak	120K	Hz	300KH	lz Quas	i-peak	
	Above 1GHz		Peak	1MF	Ηz	3MHz	z Pe	eak	
	Above 1G112		Peak	1MF	Ηz	10Hz	Ave	rage	
Limit:	Frequency		Limit (u\	//m)	٧	'alue	Measure Distar		
	0.009MHz-0.490M	lHz	2400/F(k	(Hz)		QP	300r	m	
	0.490MHz-1.705M	lHz	24000/F(KHz)		QP	30n	n	
	1.705MHz-30MH	lz	30		QP		30n	n	
	30MHz-88MHz		100		QP		3m		
	88MHz-216MHz		150		QP				
	216MHz-960MH		200		QP				
	960MHz-1GHz		500		QP		5		
	Above 1GHz		500		Average				
			5000		F	Peak			
Test setup:	For radiated emissio	ns fr	om 9kHz to	30MH	Z				
	For radiated emissions from 9kHz to 30MHz Comparison of the content of the co								







Test environment:	Temp.:	25 °C	Humid.:	52%	Press.:	1012mbar	
Test voltage:	AC 120V, 60Hz						
Test results:	Pass						

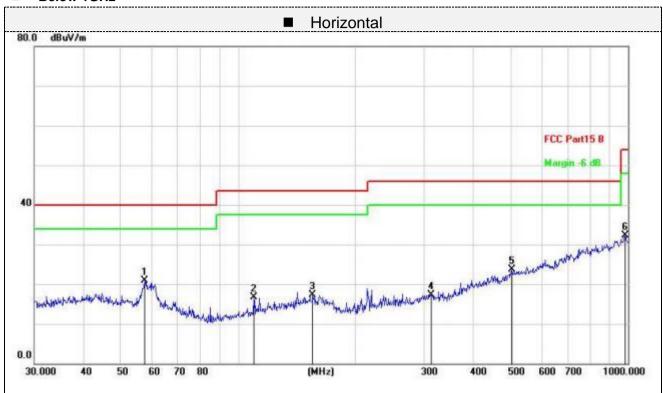
Measurement data:

Remarks:

- 1. Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis which it is worse case.
- 2. Radiated emission test from 9 KHz to 10th harmonic of fundamental was verified, and no emission found except system noise floor in 9 KHz to 30MHz and not recorded in this report.
- 3. Based on all tested data, the EUT complied with the FCC Part 15.207 standard limit for a wireless device, and with the worst case as BLE 1M 2402MHz as below:

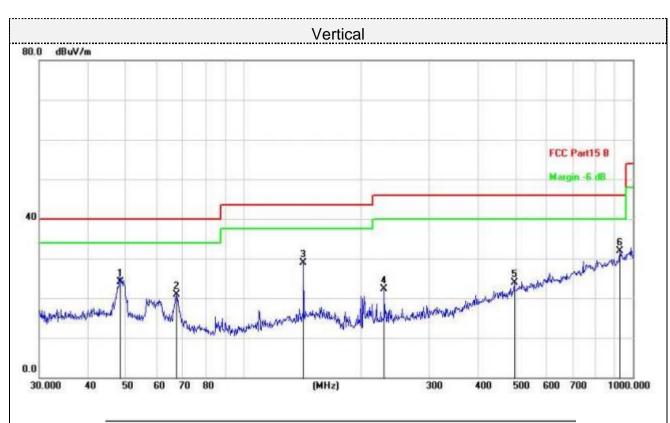


■ Below 1GHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dB/m	dB	Detector
1	*	57.5939	32.56	-11.59	20.97	40.00	-19.03	peak
2		109.7960	30.87	-14.09	16.78	43.50	-26.72	peak
3		155.3644	27.81	-10.59	17.22	43.50	-26.28	peak
4		313.2760	27.82	-10.42	17.40	46.00	-28.60	peak
5		504.7062	28.61	-4.98	23.63	46.00	-22.37	peak
6		982.6200	28.75	3.46	32.21	54.00	-21.79	peak





No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dB/m dBuV/m		dB	Detector
1		48.5016	35.10	-11.03	24.07	40.00	-15.93	peak
2		67.4381	33.73	-12.89	20.84	40.00	-19.16	peak
3		142.8243	40.45	-11.51	28.94	43.50	-14.56	peak
4		230.0985	34.70	-12.48	22.22	46.00	-23.78	peak
5		495.9343	29.25	-5.27	23.98	46.00	-22.02	peak
6	*	925.7563	29.61	2.26	31.87	46.00	-14.13	peak

Final Level =Receiver Read level + Correct Factor



■ Above 1-25GHz

Frequency(MHz):			2402		Polarity:		HORIZONTAL		
Frequency (MHz)	Emission Level (dBuV/m)		Limit (dBuV/m)	Margin (dB)	Raw Value	Antenna Factor	Cable Factor	Pre- amplifier	Correction Factor
,			(,	` '	(dBuV)	(dB/m)	(dB)	(dB)	(dB/m)
4804.00	59.21	PK	74	14.79	53.51	31	6.5	31.8	5.7
4804.00	42.56	AV	54	11.44	36.86	31	6.5	31.8	5.7
7206.00	54.10	PK	74	19.90	41.45	36	8.15	31.5	12.65
7206.00	43.42	AV	54	10.58	30.77	36	8.15	31.5	12.65

Freque	Frequency(MHz):			2402		Polarity:		VERTICAL		
Frequency (MHz)	Le	ssion vel V/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre- amplifier (dB)	Correction Factor (dB/m)	
4804.00	58.46	PK	74	15.54	52.76	31	6.5	31.8	5.7	
4804.00	43.32	AV	54	10.68	37.62	31	6.5	31.8	5.7	
7206.00	53.88	PK	74	20.12	41.23	36	8.15	31.5	12.65	
7206.00	43.96	AV	54	10.04	31.31	36	8.15	31.5	12.65	

Freque	Frequency(MHz):			2440		Polarity:		HORIZONTAL		
Frequency (MHz)	Emis Le (dBu		Limit (dBuV/m)	Margin (dB)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre- amplifier (dB)	Correction Factor (dB/m)	
4880.00	59.82	PK	74	14.18	53.66	31.2	6.61	31.65	6.16	
4880.00	43.58	AV	54	10.42	37.42	31.2	6.61	31.65	6.16	
7320.00	52.51	PK	74	21.49	39.56	36.2	8.23	31.48	12.95	
7320.00	43.94	AV	54	10.06	30.99	36.2	8.23	31.48	12.95	



Frequency(MHz):			2440		Polarity:		VERTICAL		
Frequency (MHz)	Emission Level (dBuV/m)		Limit Margin (dBuV/m) (dB)	Raw Value	Antenna Factor	Cable Factor	Pre- amplifier	Correction Factor	
			(dbd v/iii)	(db)	(dBuV)	(dB/m)	(dB)	(dB)	(dB/m)
4880.00	61.66	PK	74	12.34	55.50	31.2	6.61	31.65	6.16
4880.00	42.31	AV	54	11.69	36.15	31.2	6.61	31.65	6.16
7320.00	52.59	PK	74	21.41	39.64	36.2	8.23	31.48	12.95
7320.00	44.37	AV	54	9.63	31.42	36.2	8.23	31.48	12.95

Frequency(MHz):			2480		Polarity:		HORIZONTAL		
Frequency (MHz)	Le	ssion vel V/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre- amplifier (dB)	Correction Factor (dB/m)
4960.00	62.69	PK	74	11.31	56.03	31.4	6.76	31.5	6.66
4960.00	43.03	AV	54	10.97	36.37	31.4	6.76	31.5	6.66
7440.00	54.35	PK	74	19.65	41.05	36.4	8.35	31.45	13.3
7440.00	45.24	AV	54	8.76	31.94	36.4	8.35	31.45	13.3

Freque	ncy(MHz)	:	24	2480 Polarity:		VERTICAL			
Frequency	Emission		Limit	Margin	Raw	Antenna	Cable	Pre-	Correction
	Level	vel	(dBuV/m)	ŭ	Value	Factor	Factor	amplifier	Factor
(MHz)	(dBuV/m)		(ubu v/III)	(dB)	(dBuV)	(dB/m)	(dB)	(dB)	(dB/m)
4960.00	64.32	PK	74	9.68	57.66	31.4	6.76	31.5	6.66
4960.00	44.04	AV	54	9.96	37.38	31.4	6.76	31.5	6.66
7440.00	53.52	PK	74	20.48	40.22	36.4	8.35	31.45	13.3
7440.00	44.48	AV	54	9.52	31.18	36.4	8.35	31.45	13.3

Remark:

⁽¹⁾ Data of measurement within this frequency range shown "--- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

⁽²⁾ When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed.



6.7. Antenna Requirement

Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203:

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

FCC CFR Title 47 Part 15 Subpart C Section 15.247(c) (1) (I):

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

Antenna Connected Construction

The maximum gain of antenna was 0.00 dBi.

Remark: The antenna gain is provided by the customer, if the data provided by the customer is not accurate, Shenzhen HTT Technology Co., Ltd. does not assume any responsibility.



7. Test Setup Photo

Reference to the appendix I for details.

8. EUT Constructional Details

Reference to the appendix II for details.

