

Shenzhen HTT Technology Co., Ltd.

Report No.: HTT202411894F02

TEST Report

Applicant: Wuhan Smart Chef IoT Technology Co., Ltd

Address of Applicant: 401, Building 5, Chuanglifang Industrial Park, No. 18 Shiqiao

1st Road, Jiang'an District, Wuhan City

Manufacturer: Wuhan Rock Intelligent Chef Technology Co., Ltd.

Address of 208, Building 2, Chuanglifang Industrial Park, No. 18 Shiqiao

Manufacturer: 1st Road, Jiang'an District, Wuhan City

Equipment Under Test (EUT)

Product Name: Commercial Smart cooking machine

Model No.: YG-B01

Series model: YG-B01-5.5, YG-B01-6.0s s

Trade Mark: N/A

FCC ID: 2BMWY-YG-B01

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

Date of sample receipt: Nov. 26, 2024

Date of Test: Nov. 26, 2024 ~ Dec. 09, 2024

Date of report issued: Dec. 09, 2024

Test Result: PASS *

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



1. Version

Version No.	Date	Description
00	Dec. 09, 2024	Original

Tested/ Prepared By	Heber He Date:	Dec. 09, 2024
	Project Engineer	
Check By:	Bruce 2hu Date:	Dec. 09, 2024
	Reviewer	
Approved By :	Kevin Yang HTT Date:	Dec. 09, 2024
	Authorized Signature	



2. Contents

	Page
1. VERSION	2
2. CONTENTS	3
3. TEST SUMMARY	4
4. GENERAL INFORMATION	
4.1. GENERAL DESCRIPTION OF EUT 4.2. TEST MODE 4.3. DESCRIPTION OF SUPPORT UNITS 4.4. DEVIATION FROM STANDARDS 4.5. ABNORMALITIES FROM STANDARD CONDITIONS 4.6. TEST FACILITY 4.7. TEST LOCATION 4.8. ADDITIONAL INSTRUCTIONS 5. TEST INSTRUMENTS LIST	
6.1. CONDUCTED EMISSIONS 6.2. CONDUCTED OUTPUT POWER 6.3. CHANNEL BANDWIDTH. 6.4. POWER SPECTRAL DENSITY 6.5. BAND EDGES 6.5.1 Conducted Emission Method 6.5.2 Radiated Emission Method 6.6. SPURIOUS EMISSION. 6.6.1 Conducted Emission Method 6.6.2 Radiated Emission Method 6.6.2 Radiated Emission Method 6.6.3 RADIENNA REQUIREMENT	
7. TEST SETUP PHOTO	30
8. FUT CONSTRUCTIONAL DETAILS	30



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

Commercial Smart cooking machine
YG-B01
YG-B01-5.5, YG-B01-6.0s s
HTT202411894-1(Engineer sample) HTT202411894-2(Normal sample)
2402~2480 MHz
40
GFSK
2MHz
Rod Antenna
3.5dBi
AC 240V



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	net		ı	I	
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

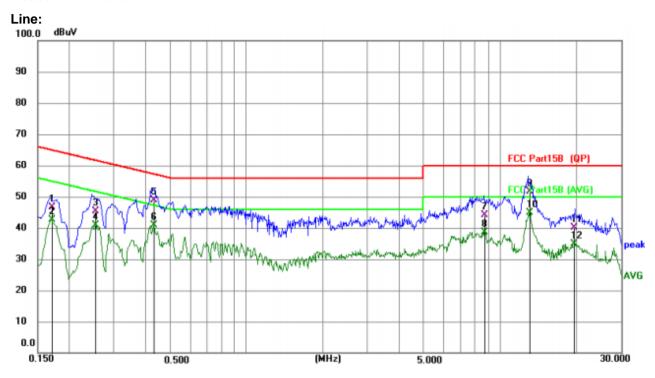
6.1. Conducted Emissions

o.i. Odilaactea Elilissioli	3				
Test Requirement:	FCC Part15 C Section 15.20)7			
Test Method:	ANSI C63.10:2013 150KHz to 30MHz Class B				
Test Frequency Range:					
Class / Severity:					
Receiver setup:	RBW=9KHz, VBW=30KHz,	Sweep time=auto			
Limit:	Limit (dBuV)				
	Frequency range (MHz)	Quasi-peak		rage	
	0.15-0.5	66 to 56*		o 46*	
	0.5-5	56		16	
	5-30	60		50	
Test setup:	* Decreases with the logarith				
Test procedure:	Reference Plane LISN AUX Equipment E.U.T EMI Receiver 1. The E.U.T and simulators are connected to the main power through line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs).				
Toot Instruments:	3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10:2013 on conducted measurement.				
Test Instruments:	Refer to section 6.0 for deta				
Test mode:	Refer to section 5.2 for deta		T.5	1010	
Test environment:	·	umid.: 52%	Press.:	1012mbar	
Test voltage:	AC 240V, 60Hz				
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:.



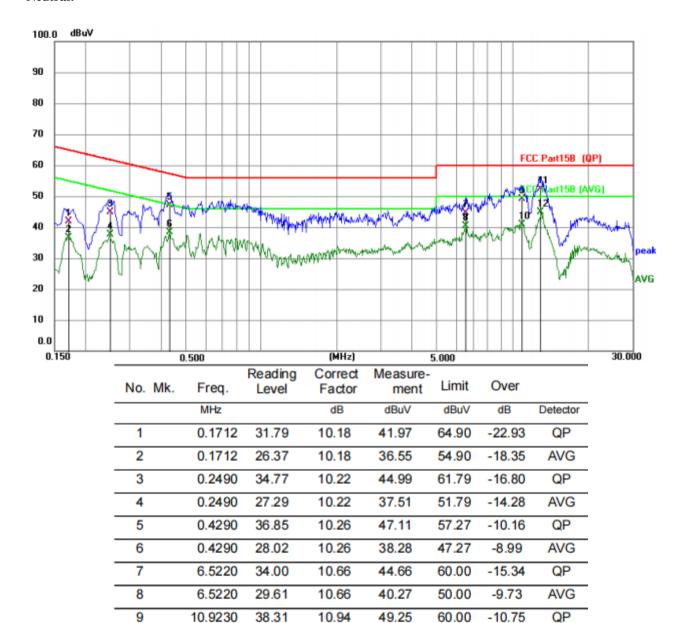
Measurement data:



No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
	MHz		dB	dBuV	dBuV	dB	Detector
1	0.1703	36.56	10.18	46.74	64.95	-18.21	QP
2	0.1703	32.34	10.18	42.52	54.95	-12.43	AVG
3	0.2534	35.20	10.22	45.42	61.64	-16.22	QP
4	0.2534	30.62	10.22	40.84	51.64	-10.80	AVG
5	0.4290	38.65	10.27	48.92	57.27	-8.35	QP
6	0.4290	30.54	10.27	40.81	47.27	-6.46	AVG
7	8.7225	33.57	10.67	44.24	60.00	-15.76	QP
8	8.7225	27.93	10.67	38.60	50.00	-11.40	AVG
9	13.1234	40.71	10.92	51.63	60.00	-8.37	QP
10 *	13.1234	33.97	10.92	44.89	50.00	-5.11	AVG
11	19.6080	28.80	11.27	40.07	60.00	-19.93	QP
12	19.6080	23.72	11.27	34.99	50.00	-15.01	AVG



Neutral:



Notes.

1. An initial pre-scan was performed on the line and neutral lines with peak detector.

10.9230

13.0424

13.0424

2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.

29.95

41.24

33.87

3. Final Level =Receiver Read level + LISN Factor + Cable Los

10 11

12

10.94

11.05

11.05

40.89

52.29

44.92

50.00

60.00

50.00

-9.11

-7.71

-5.08

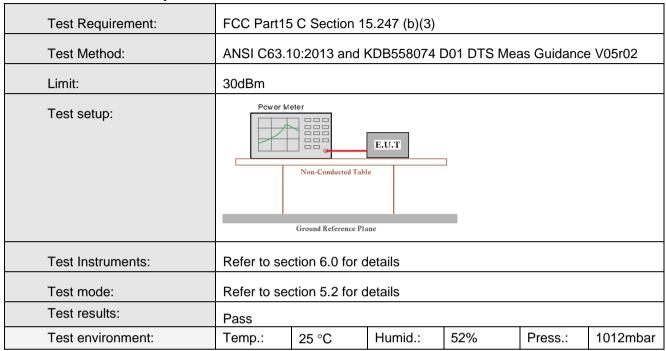
AVG

QP

AVG



6.2. Conducted Output Power

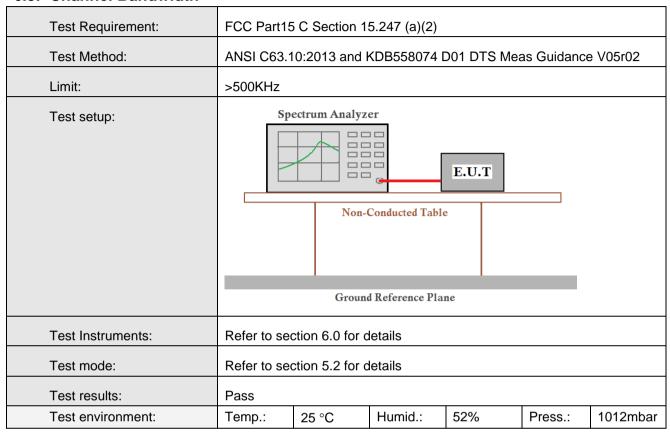


Measurement Data

Mode	TX	Frequency	ted Output Power (dBm)	Verdict	
Mode	Type	(MHz)	ANT1	Limit	verdict
		2402	-0.90	<=30	Pass
1M	SISO	2440	-1.13	<=30	Pass
		2480	-1.27	<=30	Pass



6.3. Channel Bandwidth

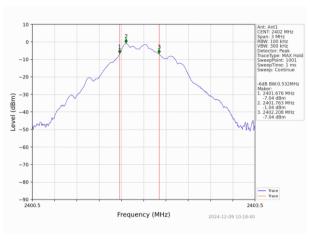


Measurement Data

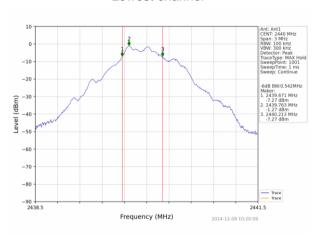
Mode	TX	Frequency	ANT	6dB Bandv	Verdict	
iviode	Type	(MHz)	AINT	Result	Limit	verdict
		2402	1	0.532	>=0.5	Pass
1M	SISO	2440	1	0.542	>=0.5	Pass
		2480	1	0.542	>=0.5	Pass



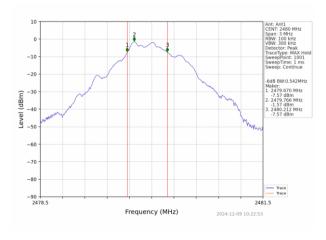
Test plot as follows:



Lowest channel



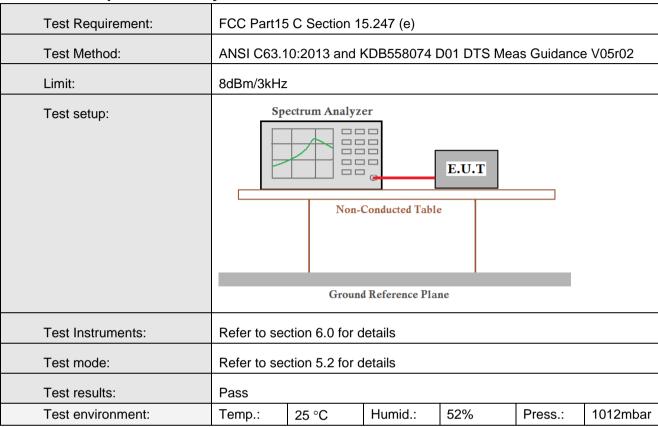
Middle channel



Highest channel



6.4. Power Spectral Density

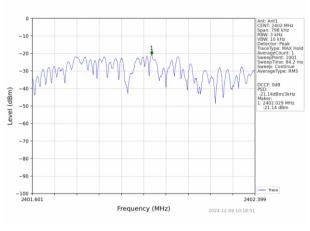


Measurement Data

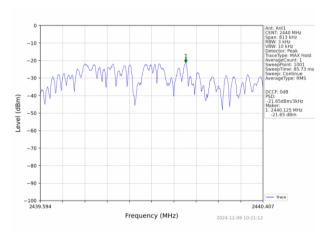
Modo	ModeTX		Maximum PS	Maximum PSD (dBm/3kHz)				
Mode	Type	(MHz)	ANT1	Limit	Verdict			
		2402	-21.14	<=8	Pass			
1M	SISO	2440	-21.65	<=8	Pass			
		2480	-21.71	<=8	Pass			



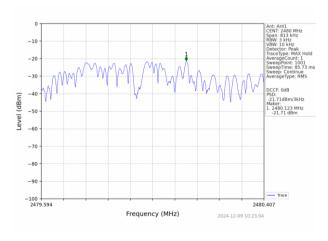
Test plot as follows:



Lowest channel



Middle channel



Highest channel

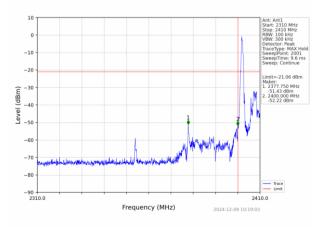


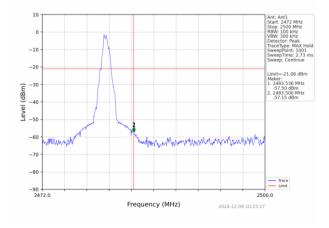
6.5. Band edges

6.5.1 Conducted Emission Method

0.5.1 Conducted Emission Me									
Test Requirement:	FCC Part15	C Section 1	5.247 (d)						
Test Method:	ANSI C63.10	0:2013 and k	KDB558074 [D01 DTS Mea	as Guidanc	e V05r02			
Limit:	spread speci power that is below that in highest level	n 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 nighest level of the desired power, based on either an RF conducted or a radiated measurement.							
Test setup:	Spec	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane							
Test Instruments:	Refer to sect	tion 6.0 for d	etails						
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:





Lowest channel

Highest channel

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



6.5.2 Radiated Emission Method

Test Requirement:	FCC Part15	C Section 1:	5.209 a	nd 15.	205					
Test Method:	ANSI C63.10									
Test Frequency Range:	All of the res			ested, o	only the wo	rst band's (2310MHz to			
Test site:	Measuremer									
Receiver setup:	Frequency	y Detec	ctor	RB\	W VB\	N \	/alue			
·	Above 1Ch	Pea	ık	1MF	lz 3MF	lz I	Peak			
	Above 1GF	Above 1GHz RMS 1MHz 3MHz A								
Limit:	Fre	quency	L	imit (d	BuV/m @3	m) \	/alue			
	Abov	/e 1GHz			54.00	A۱	/erage			
Test setup:	Abov	76 IGIIZ			74.00		Peak			
	Tum Table*/ <150cm>		<3m>	Test A	ntenna-					
Test Procedure:				4						
	 The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasipeak or average method as specified and then reported in a data sheet. The radiation measurements are performed in X, Y, Z axis positioning. And found the X axis positioning which it is worse case, only the test 									
Test Instruments:	Refer to sec		etails							
Test mode:	Refer to sec	tion 5.2 for d	etails							
Test results:	Pass									
Test environment:	Temp.:	25 °C	Humic	i.:	52%	Press.:	1012mbar			



Measurement Data

Operation Mode: GFSK

Freque	ncy(MHz)	:	24	02	Pola	arity:	Н	ORIZONTA	\L
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	60.09	PK	74	13.91	61.48	27.2	4.31	32.9	-1.39
2390.00	46.09	AV	54	7.91	47.48	27.2	4.31	32.9	-1.39
Freque	ncy(MHz)	:	24	02	Pola	arity:		VERTICAL	
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	59.46	PK	74	14.54	60.85	27.2	4.31	32.9	-1.39
2390.00	45.73	AV	54	8.27	47.12	27.2	4.31	32.9	-1.39
Freque	ncy(MHz)	:	24	80	P ola	arity:	н	ORIZONTA	۱L
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)
2483.50	55.30	PK	74	18.70	56.23	27.4	4.47	32.8	-0.93
2483.50	45.88	AV	54	8.12	46.81	27.4	4.47	32.8	-0.93
Freque	ncy(MHz)	:	24	80	Pola	arity:		VERTICAL	
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)
2483.50	54.39	PK	74	19.61	55.32	27.4	4.47	32.8	-0.93
2483.50	43.34	AV	54	10.66	44.27	27.4	4.47	32.8	-0.93

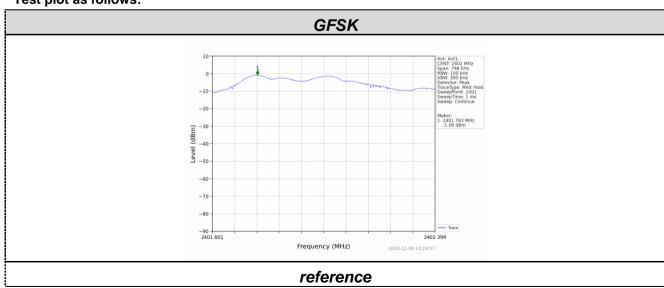


6.6. Spurious Emission

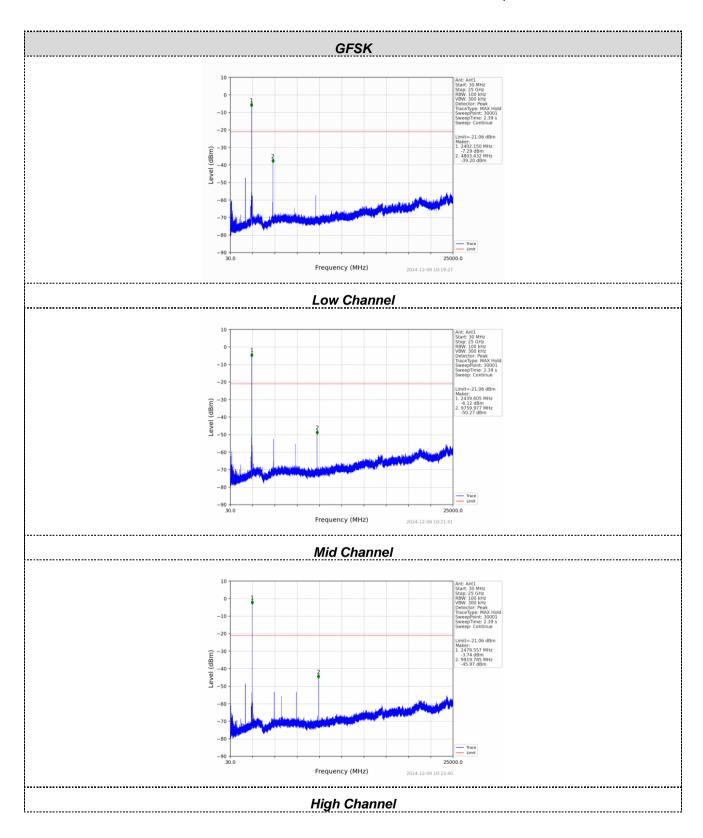
6.6.1 Conducted Emission Method

	tiiou								
Test Requirement:	FCC Part15	C Section 1	5.247 (d)						
Test Method:	ANSI C63.1	10:2013 and I	KDB558074 [D01 DTS Mea	as Guidanc	e V05r02			
Limit:	spread spe- power that below that i highest leve	kHz bandwidt ctrum intentic is produced b n the 100 kH: el of the desir easurement.	nal radiator in y the intention z bandwidth	s operating, to nal radiator so within the bar	the radio fre shall be at le and that cont	quency east 20 dB ains the			
Test setup:	Sp	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:





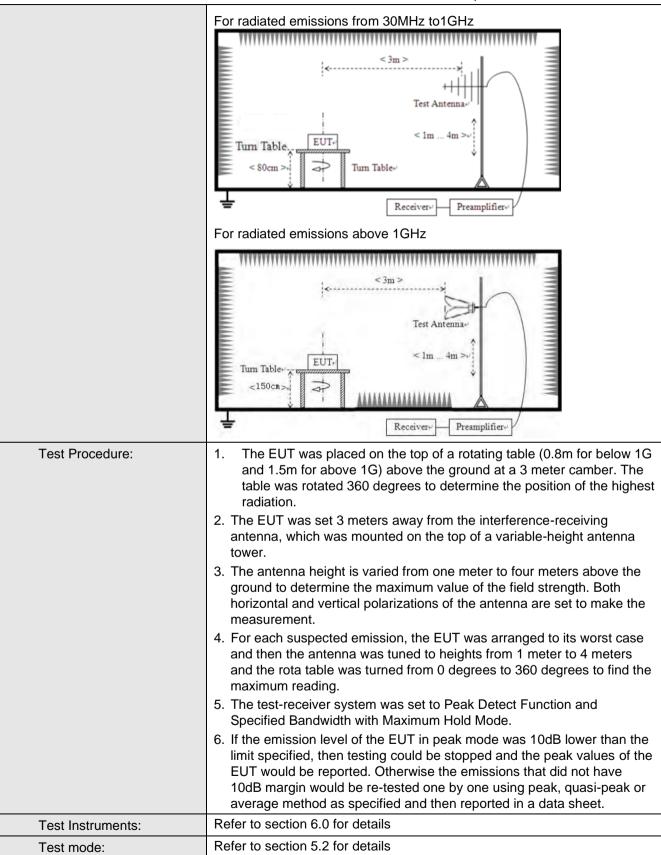




6.6.2 Radiated Emission Method

Test Requirement:	FCC Part15 C Section 15.209									
Test Method:	ANSI C63.10:2013									
Test Frequency Range:	9kHz to 25GHz									
Test site:	Measurement Distar	nce: 3	3m							
Receiver setup:	Frequency		etector	RB\	W	VBW	/ Value			
	9KHz-150KHz	Qi	ıasi-peak	2001	Hz	600Hz	z Quasi-peak			
	150KHz-30MHz	Q	ıasi-peak	9KF	Ηz	30KH	z Quasi-peak			
	30MHz-1GHz	Q	ıasi-peak	120K	Ήz	300KH	Iz Quasi-peak			
	Above 1GHz		Peak	1MF	Ηz	3MHz	z Peak			
	Above 1G112		Peak	1MF	Ηz	10Hz	z Average			
Limit:	Frequency		Limit (u\	//m)	>	'alue	Measurement Distance			
	0.009MHz-0.490M	Hz	2400/F(k	(Hz)		QP	300m			
	0.490MHz-1.705M	Hz	24000/F(I	KHz)		QP	30m			
	1.705MHz-30MH	Z	30			QP	30m			
	30MHz-88MHz		100		QP					
	88MHz-216MHz		150		QP					
	216MHz-960MH		200		QP QP		3m			
	960MHz-1GHz		500		-		.			
	Above 1GHz		500		Average					
			5000	5000 F						
Test setup:	Above 1GHz									







Test environment:	Temp.:	25 °C	Humid.:	52%	Press.:	1012mbar		
Test voltage:	AC 120V, 6	AC 120V, 60Hz						
Test results:	Pass							

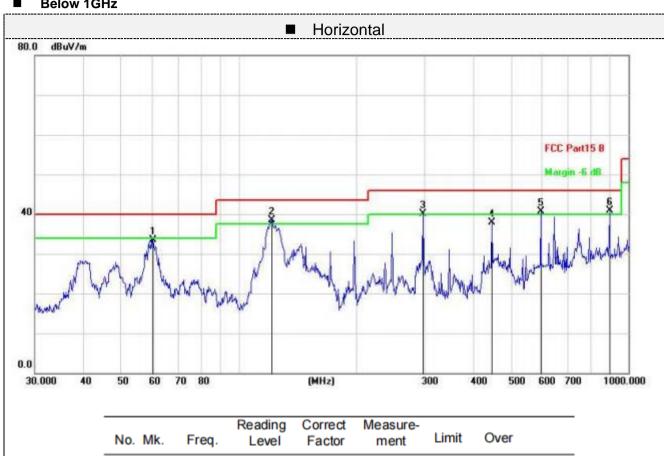
Measurement data:

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:

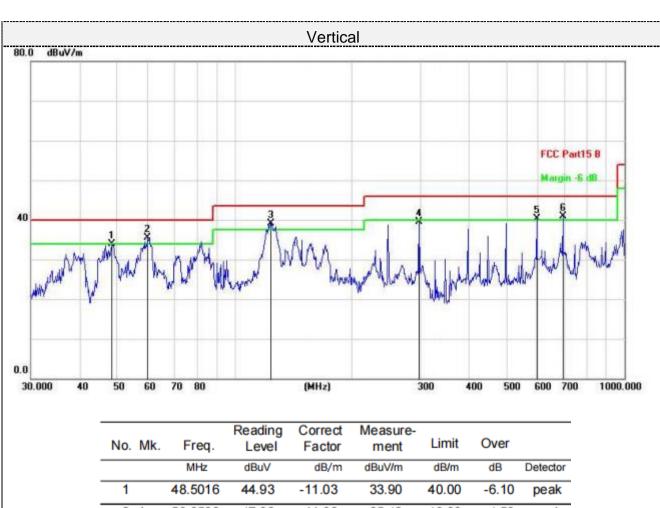


Below 1GHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dB/m	dB	Detector
1		60.2800	45.18	-11.66	33.52	40.00	-6.48	peak
2	*	121.5485	51.50	-12.97	38.53	43.50	-4.97	peak
3	!	297.2241	50.58	-10.55	40.03	46.00	-5.97	peak
4		446.4141	44.40	-6.41	37.99	46.00	-8.01	peak
5	!	595.1327	44.28	-3.55	40.73	46.00	-5.27	peak
6	!	893.8567	39.59	1.24	40.83	46.00	-5.17	peak





No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment Lin		Over	
		MHz	dBuV	dB/m	dBuV/m	dB/m	dB	Detector
1		48.5016	44.93	-11.03	33.90	40.00	-6.10	peak
2	!	59.8588	47.02	-11.60	35.42	40.00	-4.58	peak
3	*	123.6984	51.98	-12.86	39.12	43.50	-4.38	peak
4		297.2241	49.96	-10.55	39.41	46.00	-6.59	peak
5	!	595.1327	43.85	-3.55	40.30	46.00	-5.70	peak
6	!	694.4174	42.76	-1.86	40.90	46.00	-5.10	peak

Final Level =Receiver Read level + Correct Factor



■ Above 1-25GHz

Freque	Frequency(MHz):			2402		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)	
4804.00	58.79	PK	74	15.21	53.09	31	6.5	31.8	5.7	
4804.00	41.37	AV	54	12.63	35.67	31	6.5	31.8	5.7	
7206.00	54.06	PK	74	19.94	41.41	36	8.15	31.5	12.65	
7206.00	43.96	AV	54	10.04	31.31	36	8.15	31.5	12.65	

Frequency(MHz):			2402 Polarity:		VERTICAL				
Frequency (MHz)		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	58.84	PK	74	15.16	53.14	31	6.5	31.8	5.7
4804.00	43.87	AV	54	10.13	38.17	31	6.5	31.8	5.7
7206.00	52.17	PK	74	21.83	39.52	36	8.15	31.5	12.65
7206.00	43.03	AV	54	10.97	30.38	36	8.15	31.5	12.65

Frequency(MHz):			24	40	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	60.54	PK	74	13.46	54.38	31.2	6.61	31.65	6.16
4880.00	43.87	AV	54	10.13	37.71	31.2	6.61	31.65	6.16
7320.00	52.67	PK	74	21.33	39.72	36.2	8.23	31.48	12.95
7320.00	44.60	AV	54	9.40	31.65	36.2	8.23	31.48	12.95



Frequency(MHz):			2440		Polarity:		VERTICAL		
Fraguenay	Emission Level		Limit Marg	Margin	Raw	Antenna	Cable	Pre-	Correction
Frequency (MHz)			(dBuV/m)		Value	Factor	Factor	amplifier	Factor
(1011-12)	(dBu	V/m)	(ubu v/III)	(dB)	(dBuV)	(dB/m)	(dB)	(dB)	(dB/m)
4880.00	60.75	PK	74	13.25	54.59	31.2	6.61	31.65	6.16
4880.00	43.43	AV	54	10.57	37.27	31.2	6.61	31.65	6.16
7320.00	53.29	PK	74	20.71	40.34	36.2	8.23	31.48	12.95
7320.00	44.24	AV	54	9.76	31.29	36.2	8.23	31.48	12.95

Frequency(MHz):			24	80	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	62.84	PK	74	11.16	56.18	31.4	6.76	31.5	6.66
4960.00	41.54	AV	54	12.46	34.88	31.4	6.76	31.5	6.66
7440.00	53.65	PK	74	20.35	40.35	36.4	8.35	31.45	13.3
7440.00	45.82	AV	54	8.18	32.52	36.4	8.35	31.45	13.3

Frequency(MHz):			24	80	Polarity:		VERTICAL		
	Emission		Limit	Morgin	Raw	Antenna	Cable	Pre-	Correction
Frequency	Le	vel		Margin	Value	Factor	Factor	amplifier	Factor
(MHz)	(dBu	V/m)	(dBuV/m)	(dB)	(dBuV)	(dB/m)	(dB)	(dB)	(dB/m)
4960.00	63.54	PK	74	10.46	56.88	31.4	6.76	31.5	6.66
4960.00	42.65	AV	54	11.35	35.99	31.4	6.76	31.5	6.66
7440.00	54.46	PK	74	19.54	41.16	36.4	8.35	31.45	13.3
7440.00	45.69	AV	54	8.31	32.39	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 3.5 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.

