

Shenzhen HTT Technology Co., Ltd.

Report No.: HTT202406335F01

TEST Report

Applicant: Dongguan Changxie Technology Co., Ltd.

Address of Applicant: Room 101, Building 1, No. 3, Nanya 1st Street, Daojiao Town,

Dongguan City, Guangdong Province, China.

Manufacturer: Dongguan Nancheng Changxie Electronics Products Factory

Address of 2 floor, No.15, Yinshan road, Nancheng district, Dongguan city,

Manufacturer: Guangdong province, China

Equipment Under Test (EUT)

Product Name: Digital scale

Model No.: G07

Series model: G01, G02, G03, G05, G06, G08, G09, G10, G11,

G12, G13, G15, G16, G17, G18, G19, G20

Trade Mark: N/A

FCC ID: 2BG89-SCALE

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

Date of sample receipt: Jun. 13, 2024

Date of Test: Jun. 13, 2024 ~ Jun. 21, 2024

Date of report issued: Jun. 21, 2024

Test Result: PASS *

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



1. Version

Version No.	Date	Description
00	Jun. 21, 2024	Original

Tested/ Prepared By	Heber He	Date:	Jun. 21, 2024
	Project Engineer		
Check By:	Bruce Zhu	Date:	Jun. 21, 2024
	Reviewer		
Approved By :	Kein Yang HT	Date:	Jun. 21, 2024
	Authorized Signature	<i></i> ///	



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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	N/A
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	3.45 dB	(1)
Radiated Emission	1~18GHz	3.54 dB	(1)
Radiated Emission	18-40GHz	5.38 dB	(1)
Conducted Disturbance	0.15~30MHz	2.66 dB	(1)
Note (1): The measurement unce	ertainty is for coverage factor of k	=2 and a level of confidence of 9	95%.



4. General Information

4.1. General Description of EUT

Product Name:	Digital scale		
Model No.:	G07		
Series model:	G01, G02, G03, G05, G06, G08, G09, G10, G11, G12, G13, G15, G16, G17, G18, G19, G20		
Test sample(s) ID:	HTT202406335-1(Engineer sample) HTT202406335-2(Normal sample)		
Operation frequency	2402~2480 MHz		
Number of Channels	40		
Modulation Type	GFSK		
Channel separation	2MHz		
Antenna Type:	PCB Antenna		
Antenna Gain:	0dBi		
Power Supply:	DC 3.0V From Battery		



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

	. Test instruments hat						
Item	Test Equipment	Manufacturer	Model No.	Inventory	Cal.Date	Cal.Due date	
				No.	(mm-dd-yy)	(mm-dd-yy)	
1	3m Semi- Anechoic Chamber	Shenzhen C.R.T technology co., LTD	9*6*6	HTT-E028	Aug. 10 2021	Aug. 09 2024	
2	Control Room	Shenzhen C.R.T technology co., LTD	4.8*3.5*3.0	HTT-E030	Aug. 10 2021	Aug. 09 2024	
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 2021	Aug. 09 2024	
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

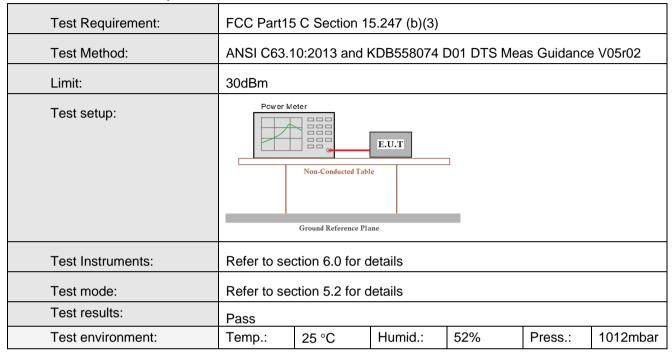
6.1. Conducted Emissions

<u> </u>	. Conducted Emissions						
Test Rec	quirement:	FCC Part15 C Section 15.207					
Test Met	hod:	ANSI C63.10:2013					
Test Free	quency Range:	150KHz to 30MHz					
Class / S	Severity:	Class B					
Receiver	setup:	RBW=9KH	z, VBW=30KHz	z, Sweep tir	ne=auto		
Limit:		Frequen	cy range (MHz)	Limit	(dBuV)	
				' Qu	ıasi-peak	Aver	
			0.15-0.5	- 6	66 to 56*	56 to	
			0.5-5 5-30		56 60	4	
		* Decrease	ວ-ວບ s with the logar	rithm of the		5	U
Test setu	ID:	Doorogoo	Reference P		noquonoy.		
Test prod	cedure:	LISN AUX Equipment Test table/Insulation plane Receiver 1. The E.U.T and simulators are connected to the main power through a 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 a LISN that provides a 50ohm/50uH coupling impedance with 50ohm					
		termination. (Please refer to the block diagram of the test setup and photographs). 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 Inst	ruments:	Refer to section 6.0 for details					
Test mod	de:	Refer to section 5.2 for details					
Test env	ironment:	Temp.: 25 °C Humid.: 52% Press.: 1012mbar					
Test volt	age:	AC 120V, 60Hz					
Test resu	ults:	N/A					

The EUT is powered by the Battery ,So this test item is not applicable for the EUT.



6.2. Conducted Output Power

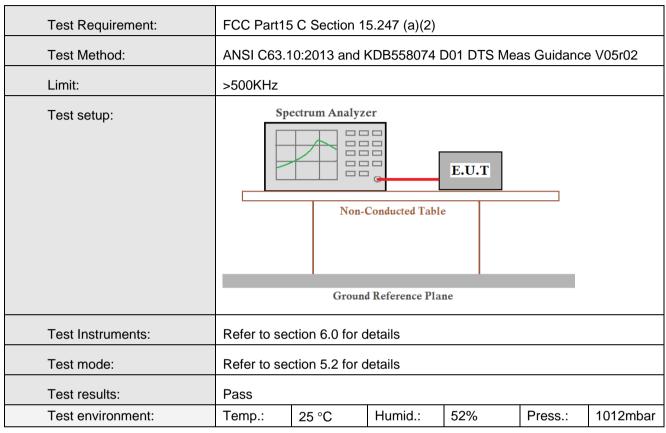


Measurement Data

Test channel	Peak Output Power (dBm)	Limit(dBm)	Result
Lowest	2.32		
Middle	1.30	30.00	Pass
Highest	0.75		



6.3. Channel Bandwidth

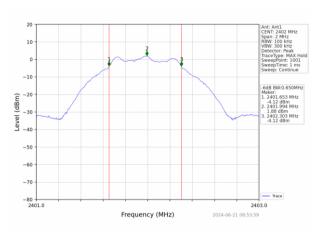


Measurement Data

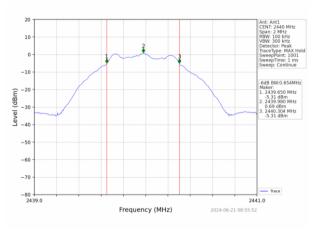
Test channel	Channel Bandwidth (MHz)	Limit(KHz)	Result
Lowest	0.650		
Middle	0.654	>500	Pass
Highest	0.644		



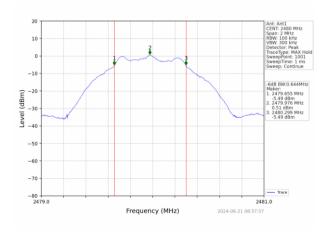
Test plot as follows:



Lowest channel



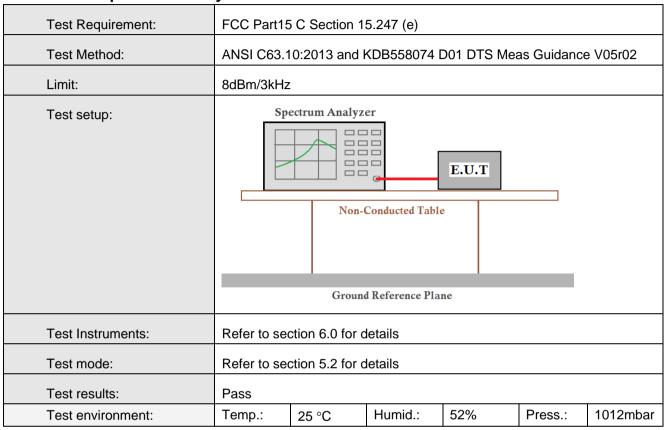
Middle channel



Highest channel



6.4. Power Spectral Density

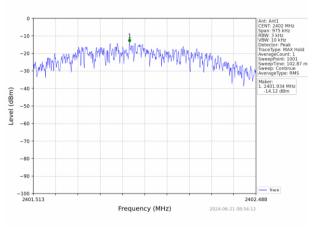


Measurement Data

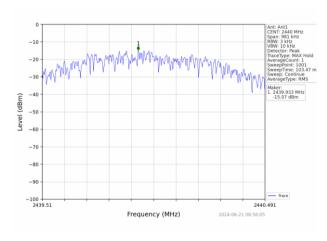
Test channel	Power Spectral Density (dBm/3kHz)	Limit(dBm/3kHz)	Result
Lowest	-14.12		
Middle	-15.07	8.00	Pass
Highest	-15.69		



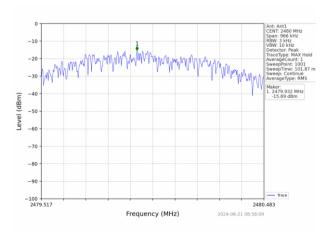
Test plot as follows:



Lowest channel



Middle channel



Highest channel

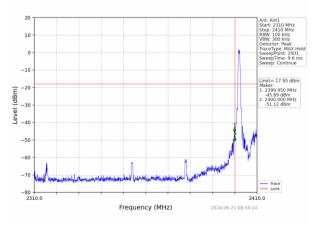


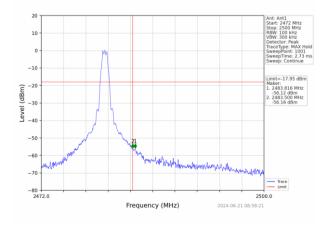
6.5. Band edges

6.5.1 Conducted Emission Method

	0.5.1 Conducted Emission 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:





Lowest channel

Highest channel



6.5.2 Radiated Emission Method

Test Requirement:	FCC Part15	C Section 1	5 209 a	nd 15 2	205				
Test Method:	ANSI C63.10		5.205 a	110 10.2	200				
Test Frequency Range:	All of the res		were te	sted o	nly the wor	st band's (2310MHz to		
restriction range.	2500MHz) d			otou, o	ing and non	o. 5aa o (.	201011112 10		
Test site:	Measuremer	nt Distance:	3m						
Receiver setup:	Frequency	/ Dete	ctor	RBV	V VBW	/ \	/alue		
	Above 1GF	Pea		1MH			Peak		
	Above 101	' ² RM	S	1MH	lz 3MH:	z A\	/erage		
Limit:	Free	quency	L		3uV/m @3m		/alue		
	Abov	e 1GHz			54.00		/erage		
Test setup:					74.00	-	Peak		
	Turn Tablew <150cm >	EUT	< 3m >	Test And	4m >				
Test Procedure:	1 The FUT	was nlaced	on the t	on of a	rotating tah	ole 1.5 mete	ers above		
	 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 sect	e mode is re tion 6.0 for o			- p				
Test mode:	Refer to section 5.2 for details								
Test results:	Pass								
Test environment:	Temp.:	25 °C	Humic	d.:	52%	Press.:	1012mbar		



Measurement Data

Operation Mode: GFSK

Freque	ncy(MHz)	:	24	02	Pola	rity:	Н	ORIZONTA	NL
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	60.92	PK	74	13.08	62.31	27.2	4.31	32.9	-1.39
2390.00	45.44	AV	54	8.56	46.83	27.2	4.31	32.9	-1.39
Freque	ncy(MHz)	:	24	02	Pola	rity:		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	60.15	PK	74	13.85	61.54	27.2	4.31	32.9	-1.39
2390.00	45.87	AV	54	8.13	47.26	27.2	4.31	32.9	-1.39
Freque	ncy(MHz)	:	24	80	P ola	arity:	н	IORIZONTA	NL
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	57.08	PK	74	16.92	58.01	27.4	4.47	32.8	-0.93
2483.50	45.70	AV	54	8.30	46.63	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	55.67	PK	74	18.33	56.60	27.4	4.47	32.8	-0.93
2483.50	44.05	AV	54	9.95	44.98	27.4	4.47	32.8	-0.93

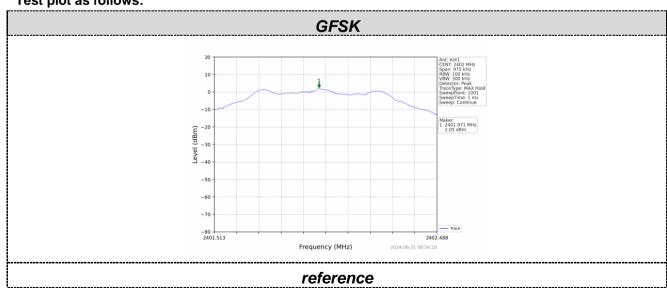


6.6. Spurious Emission

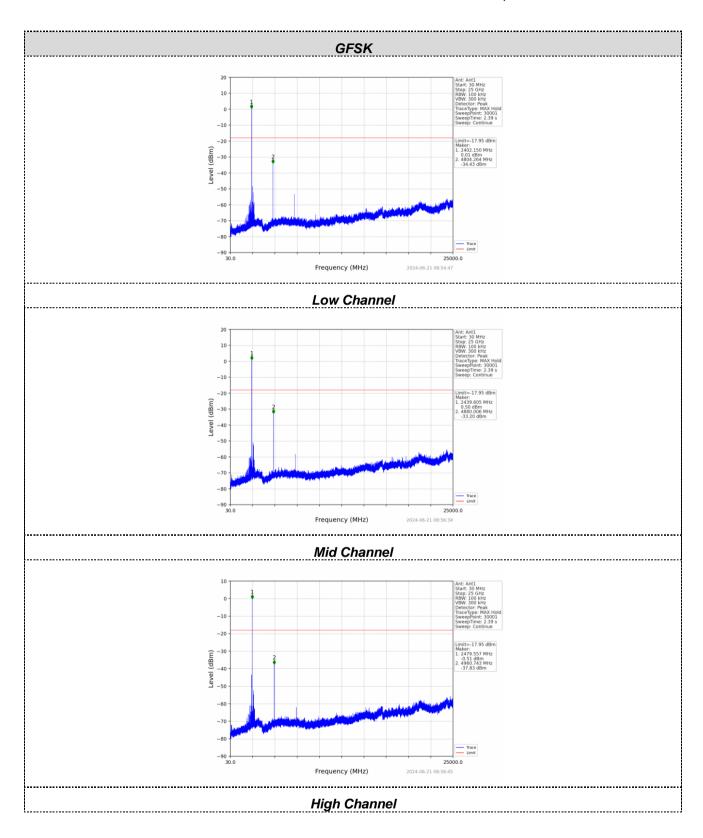
6.6.1 Conducted Emission Method

0.0.1 Conducted Emission Method										
Test Requirement:	FCC Part15	C Section 1	5.247 (d)							
Test Method:	ANSI C63.1	0:2013 and k	KDB558074 [D01 DTS Mea	as Guidanc	e V05r02				
Limit:	spread spec power that is below that in highest leve	etrum intentions produced but the 100 kHz I of the desire	nal radiator i y the intentic z bandwidth	e frequency be soperating, to soperating, to some some some some some some some som	the radio fre shall be at le and that cont	equency east 20 dB ains the				
Test setup:	Spe	Spectrum Analyzer 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				

Test plot as follows:





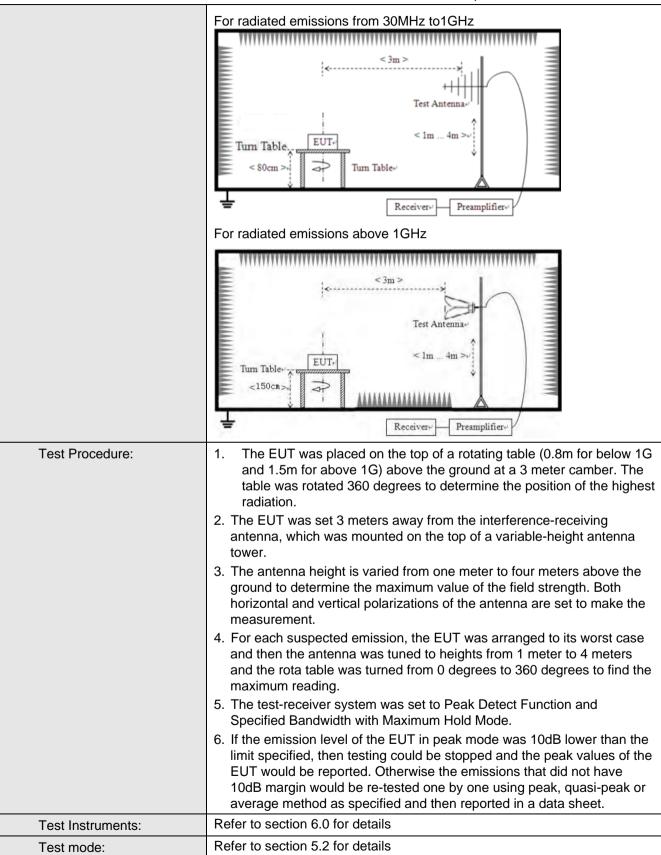




6.6.2 Radiated Emission Method

Test Requirement:	FCC Part15 C Section	on 15	5.209						
Test Method:	ANSI C63.10:2013								
Test Frequency Range:	9kHz to 25GHz								
Test site:	Measurement Distar	nce: 3	3m						
Receiver setup:	Frequency		Detector	ctor RB\		VBW	V	alue	
	9KHz-150KHz	Qι	uasi-peak 2001		Hz	600Hz	z Qua	si-peak	
	150KHz-30MHz		ıasi-peak	9KF	Ηz	30KH:	z Qua	si-peak	
	30MHz-1GHz		ıasi-peak	120K	Ήz	300KH	z Qua	si-peak	
	Above 1GHz		Peak	1MH	Ηz	3MHz	: P	'eak	
	Above 10112		Peak	1MF	Ηz	10Hz	Ave	erage	
Limit:	Frequency Limit (uV/m) Value M							rement ance	
	0.009MHz-0.490MHz 2400/F(KHz) QP 300m								
	0.490MHz-1.705M	lHz	24000/F(KHz)		QP	30	m	
	1.705MHz-30MH	z	30		QP		30m		
	30MHz-88MHz		100		QP				
	88MHz-216MHz		150			QP			
	216MHz-960MH		200			QP	3r	m	
	960MHz-1GHz				QP				
	Above 1GHz		500		Average				
			5000		F	Peak			
Test setup:	For radiated emission	ns fr	om 9kHz to	30MH	Z				
	Turn Table EUT Im Receiver								







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

Measurement data:

Remark:

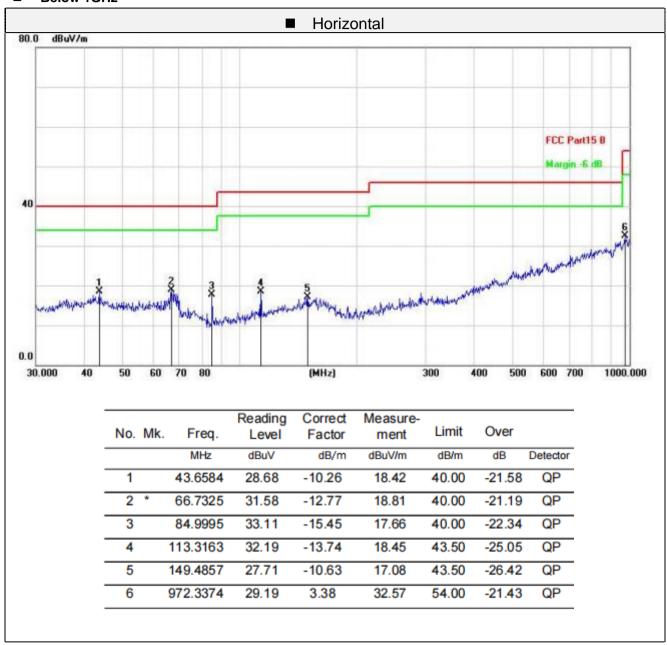
Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis which it is worse case.

■ 9kHz~30MHz

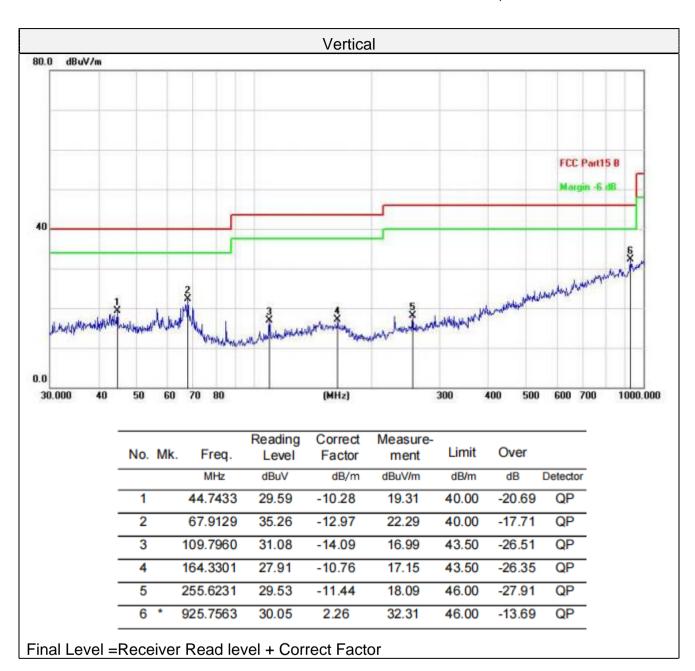
The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.



■ Below 1GHz









■ Above 1-25GHz

Freque	ncy(MHz)	ncy(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	59.62	PK	74	14.38	53.92	31	6.5	31.8	5.7	
4804.00	42.60	AV	54	11.40	36.90	31	6.5	31.8	5.7	
7206.00	53.67	PK	74	20.33	41.02	36	8.15	31.5	12.65	
7206.00	43.21	AV	54	10.79	30.56	36	8.15	31.5	12.65	

Freque	Frequency(MHz):			2402		Polarity:		VERTICAL		
Frequency (MHz)	Emis Le		Limit (dBuV/m)	Margin (dB)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Pre- amplifier (dB)	Correction Factor (dB/m)	
4804.00	59.29	PK	74	14.71	53.59	31	6.5	31.8	5.7	
4804.00	43.49	AV	54	10.51	37.79	31	6.5	31.8	5.7	
7206.00	53.81	PK	74	20.19	41.16	36	8.15	31.5	12.65	
7206.00	42.76	AV	54	11.24	30.11	36	8.15	31.5	12.65	

Freque	ncy(MHz)	:	24	2440 Polarity:		arity:	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	60.05	PK	74	13.95	53.89	31.2	6.61	31.65	6.16	
4880.00	43.40	AV	54	10.60	37.24	31.2	6.61	31.65	6.16	
7320.00	52.27	PK	74	21.73	39.32	36.2	8.23	31.48	12.95	
7320.00	44.87	AV	54	9.13	31.92	36.2	8.23	31.48	12.95	



Freque	Frequency(MHz):			2440		Polarity:		VERTICAL		
Frequency (MHz)	Le	ssion vel	Limit (dBuV/m)	Margin (dB)	Raw Value	Antenna Factor	Cable Factor	Pre- amplifier	Correction	
4880.00	,	V/m)	74	` ,	(dBuV)	(dB/m)	(dB)	(dB)	(dB/m)	
4880.00	60.65 43.29	PK AV	74 54	13.35 10.71	54.49 37.13	31.2 31.2	6.61 6.61	31.65 31.65	6.16 6.16	
7320.00	52.58	PK	74	21.42	39.63	36.2	8.23	31.48	12.95	
7320.00	44.22	AV	54	9.78	31.27	36.2	8.23	31.48	12.95	

Frequency(MHz):			2480		Polarity:		HORIZONTAL		
Frequency (MHz)	Emission Level (dBuV/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	62.00	PK	74	12.00	55.34	31.4	6.76	31.5	6.66
4960.00	42.79	AV	54	11.21	36.13	31.4	6.76	31.5	6.66
7440.00	54.04	PK	74	19.96	40.74	36.4	8.35	31.45	13.3
7440.00	45.66	AV	54	8.34	32.36	36.4	8.35	31.45	13.3

Frequency(MHz):			2480		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)
4960.00	63.48	PK	74	10.52	56.82	31.4	6.76	31.5	6.66
4960.00	43.23	AV	54	10.77	36.57	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	43.87	AV	54	10.13	30.57	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 0.0 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.

