

Shenzhen HTT Technology Co., Ltd.

Report No.: HTT202205228F01

TEST Report

Applicant: Sunnylove Technology Company Limited

Address of Applicant: No. 56, Aly. 1, Ln. 164, Zhongsha Rd., Dadu Dist., Taichung

City 432, Taiwan

Manufacturer: SHENZHEN GTC CO., LTD.

Address of 503, 5/F, Block A, Han's Innovation Building, North of High-tech

Manufacturer: Park, Nanshan, Shenzhen, China

Equipment Under Test (EUT)

Product Name: Capacitive Pen

Model No.: SNPA7-Pro

Series model: SNPA6-Pro, A6 Pro, A7 Pro, SNPA7-Duo, A7 Duo, SNPA8,

A8, SNPA8-Pro, A8 Pro, A8 Duo, SNPA9-Pro, A9 Pro,

SNPA9-Duo

Trade Mark: NOVAPLUS⁺

FCC ID: 2A6YJSNPA7-PRO

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

Date of sample receipt: May.12,2022

Date of Test: May.12,2022- May.20,2022

Date of report issued: May.20,2022

Test Result: PASS *

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



1. Version

Version No.	Date	Description
00	May.20,2022	Original

Tested/ Prepared By	Ervin Xu	Date:	May.20,2022
	Project Engineer		
Check By:	Bruce 2hu	Date:	<i>May</i> .20,2022
	Reviewer		
Approved By :	Authorized Signature	Date:	May.20,2022
	(Fig. oi)		



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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	9k~30MHz	3.17 dB	(1)
Radiated Emission	30~1000MHz	3.45 dB	(1)
Radiated Emission	1~6GHz	3.54 dB	(1)
Radiated Emission	>6GHz	4.89dB	(1)
Conducted Disturbance	0.15~30MHz	2.66 dB	(1)
RF power, conducted	1	0.16 dB	(1)
Spurious emissions, conducted	1	0.21dB	(1)
Note (1): The measurement uncerta	ainty is for coverage factor of	k=2 and a level of confidence of 9	95%.



4. General Information

4.1. General Description of EUT

iiii Goiloidi Bocoliptioli o	
Product Name:	Capacitive Pen
Model No.:	SNPA7-Pro
Series model:	SNPA6-Pro, A6 Pro, A7 Pro, SNPA7-Duo, A7 Duo, SNPA8, A8, SNPA8-Pro, A8 Pro, A8 Duo, SNPA9-Pro, A9 Pro, SNPA9-Duo
Model Difference	All the model are the same circuit and RF module, Except the model name and colour.
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 3.7V From battery
Battery	DC 3.7V 125mAh



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 listed 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

		its list		Inventory	Cal.Date	Cal.Due date
Item	Test Equipment	Manufacturer	Model No.	No.	(mm-dd-yy)	(mm-dd-yy)
	3m Semi- Anechoic	Shenzhen C.R.T		140.	(mm-aa-yy)	(IIIII-da-yy)
1	Chamber	technology co., LTD	9*6*6	HTT-E028	Aug. 10 2020	Aug. 09 2024
		Shenzhen C.R.T				
2	Control Room	technology co., LTD	4.8*3.5*3.0	HTT-E030	Aug. 10 2020	Aug. 09 2024
3	EMI Test Receiver	Rohde&Schwar	ESCI7	HTT-E022	May 21 2021	May 20 2022
4	Spectrum Analyzer	Rohde&Schwar	FSP	HTT-E037	May 21 2021	May 20 2022
5	Coaxial Cable	ZDecl	ZT26-NJ-NJ-0.6M	HTT-E018	May 21 2021	May 20 2022
6	Coaxial Cable	ZDecl	ZT26-NJ-SMAJ-2M	HTT-E019	May 21 2021	May 20 2022
7	Coaxial Cable	ZDecl	ZT26-NJ-SMAJ-0.6M	HTT-E020	May 21 2021	May 20 2022
8	Coaxial Cable	ZDecl	ZT26-NJ-SMAJ-8.5M	HTT-E021	May 21 2021	May 20 2022
9	Composite logarithmic antenna	Schwarzbeck	VULB 9168	HTT-E017	Aug. 22 2021	Aug. 21 2022
10	Horn Antenna	Schwarzbeck	BBHA9120D	HTT-E016	Aug. 22 2021	Aug. 21 2022
11	Loop Antenna	Zhinan	ZN30900C	HTT-E039	Aug. 22 2021	Aug. 21 2022
12	Horn Antenna	Beijing Hangwei Dayang	OBH100400	HTT-E040	Aug. 22 2021	Aug. 21 2022
13	low frequency Amplifier	Sonoma Instrument	310	HTT-E015	May 21 2021	May 20 2022
14	high-frequency Amplifier	HP	8449B	HTT-E014	May 21 2021	May 20 2022
15	Variable frequency power supply	Shenzhen Anbiao Instrument Co., Ltd	ANB-10VA	HTT-082	May 21 2021	May 20 2022
16	EMI Test Receiver	Rohde & Schwarz	ESCS30	HTT-E004	May 21 2021	May 20 2022
17	Artificial Mains	Rohde & Schwarz	ESH3-Z5	HTT-E006	May 21 2021	May 20 2022
18	Artificial Mains	Rohde & Schwarz	ENV-216	HTT-E038	May 21 2021	May 20 2022
19	Cable Line	Robinson	Z302S-NJ-BNCJ-1.5M	HTT-E001	May 21 2021	May 20 2022
20	Attenuator	Robinson	6810.17A	HTT-E007	May 21 2021	May 20 2022
21	Variable frequency power supply	Shenzhen Yanghong Electric Co., Ltd	YF-650 (5KVA)	HTT-E032	May 21 2021	May 20 2022
22	Control Room	Shenzhen C.R.T technology co., LTD	8*4*3.5	HTT-E029	May 21 2021	May 20 2022
23	DC power supply	Agilent	E3632A	HTT-E023	May 21 2021	May 20 2022
24	EMI Test Receiver	Agilent	N9020A	HTT-E024	May 21 2021	May 20 2022
25	Analog signal generator	Agilent	N5181A	HTT-E025	May 21 2021	May 20 2022
26	Vector signal generator	Agilent	N5182A	HTT-E026	May 21 2021	May 20 2022
27	Power sensor	Keysight	U2021XA	HTT-E027	May 21 2021	May 20 2022
28	Temperature and humidity meter	Shenzhen Anbiao Instrument Co., Ltd	TH10R	HTT-074	May 21 2021	May 20 2022



6. Test results and Measurement Data

6.1. Conducted Emissions

Test Requirement:	FCC Part15 C Section 15.207					
Test Method:	ANSI C63.10:2013					
Test Frequency Range:	150KHz to 30MHz	150KHz to 30MHz				
Class / Severity:	Class B	Class B				
Receiver setup:	RBW=9KHz, VBW=30KHz, S	Sweep time=auto				
Limit:	Fragues ev range (MHz)	Limit	t (dBuV)			
	Frequency range (MHz)	Quasi-peak		erage		
	0.15-0.5	66 to 56*		o 46*		
	0.5-5	56		46		
	* Decreases with the logarith	60	;	50		
Test setup:						
Test procedure:	Reference Plane LISN 40cm 80cm Filter AC power Equipment Test table/Insulation plane Remark E.U.T. Equipment Under Test LISN: Line impedance Stabilization Network Test table height=0.8m 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 imp 2. The peripheral devices are LISN that provides a 50oh termination. (Please refer photographs). 3. Both sides of A.C. line are interference. In order to fir positions of equipment and according to ANSI C63.10 	e also connected to the m/50uH coupling imple to the block diagram checked for maximulated the maximum emist all of the interface of	ne main pow bedance with of the test so am conducted ssion, the rel cables must	er through an 50ohm etup and dative be changed		
Test Instruments:	Refer to section 6.0 for detail	S				
Test mode:	Refer to section 5.2 for detail	S				
Test environment:	Temp.: 25 °C Hui	mid.: 52%	Press.:	1012mbar		
Test voltage:	AC 120V, 60Hz	l	1			
Test results:	N/A					
1 1	1					



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 M	Power Meter E.U.T Non-Conducted Table Ground Reference Plane					
Test Instruments:	Refer to see	Refer to section 6.0 for details					
Test mode:	Refer to see	Refer to section 5.2 for details					
Test results:	Pass	Pass					
Test environment:	Temp.:	Temp.:25 °CHumid.:52%Press.:1012mbar					

Measurement Data

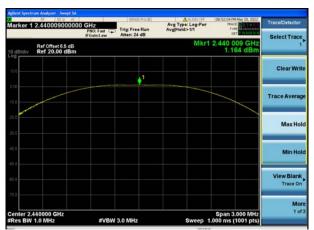
Test channel	Test channel Peak Output Power (dBm)		Result
Lowest	0.410		
Middle	1.164	30.00	Pass
Highest	1.627		



Test plot as follows:



Lowest channel



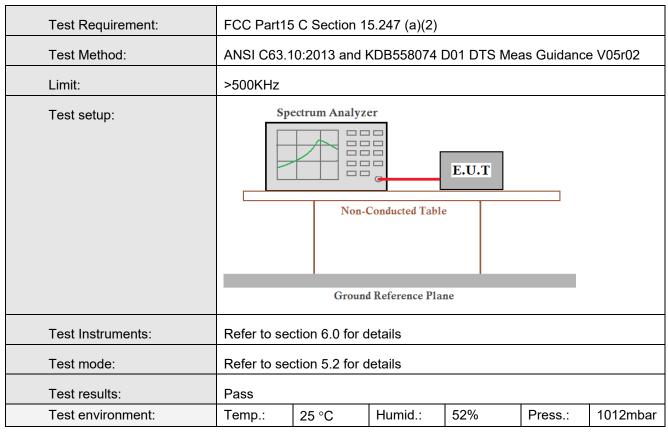
Middle channel



Highest channel



6.3. Channel Bandwidth



Measurement Data

Test channel	Channel Bandwidth (MHz)	Limit(KHz)	Result
Lowest	0.511		
Middle	0.512	>500	Pass
Highest	0.509		



Test plot as follows:



Lowest channel



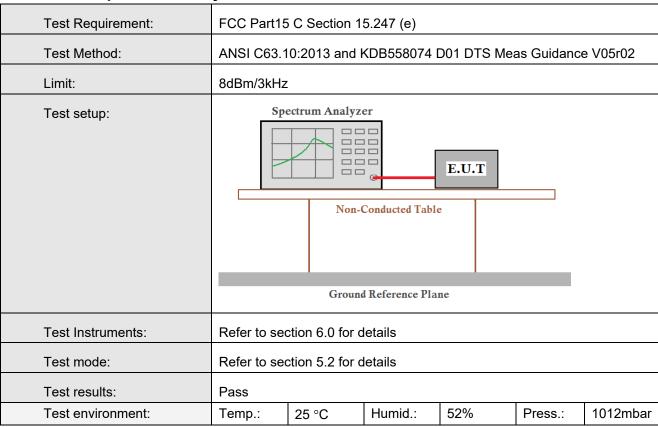
Middle channel



Highest channel



6.4. Power Spectral Density



Measurement Data

Test channel	Power Spectral Density (dBm/3kHz)	Limit(dBm/3kHz)	Result
Lowest	-17.632		
Middle	-16.984	8.00	Pass
Highest	-16.512		



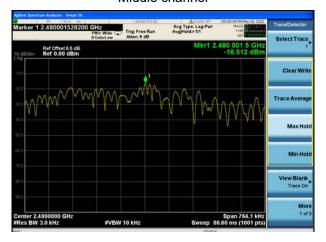
Test plot as follows:



Lowest channel



Middle channel



Highest channel



6.5. Band edges

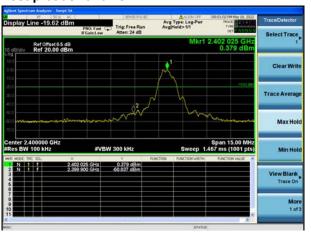
6.5.1 Conducted Emission Method

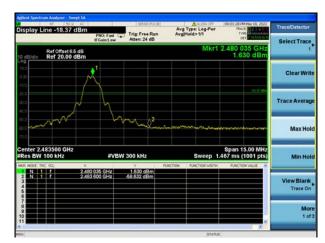
	0.5.1 Collaucted Lillission Method									
Test Requirement:	FCC Part15 C	Section 15	5.247 (d)							
Test Method:	ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance V05r02									
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, 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:										
Test Instruments:	Refer to section	on 6.0 for d	etails							
Test mode:	Refer to section	on 5.2 for d	etails							
Test results:	Pass									
Test environment:	Temp.: 2	5 °C	Humid.:	52%	Press.:	1012mbar				



Frequency Band	Delta Peak to band emission	>Limit	Result	
	(dBc)	(dBc)		
2400	51.22	20	Pass	
2483.5	60.26	20	Pass	

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 2500MHz) data			the worst	band's (2310MHz to				
Test site:	Measurement Distance: 3m									
Receiver setup:	Frequency Detector RBW VBW Value									
·	Above 1GHz	Peak	1MHz	3MHz	ı	Peak				
	Above IGHZ	RMS	1MHz	3MHz	A۱	/erage				
Limit:	Freque	ency	Limit (dBu\	//m @3m)	\	/alue				
	Above	IGH ₇	54.0			/erage				
Test setup:	710070	TOTIE	74.0	00		Peak				
·	Tum Table 150cm	EUT+	Test Antenn							
Test Procedure:	4 The FUT				- 4 F 4					
	1. 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. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. 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. 4. 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. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. 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. 7. 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 section									
Test mode:	Refer to section	5.2 for detai	ls							
Test results:	Pass									
Test environment:	Temp.: 25	°C Hu	mid.: 529	% F	Press.:	1012mbar				

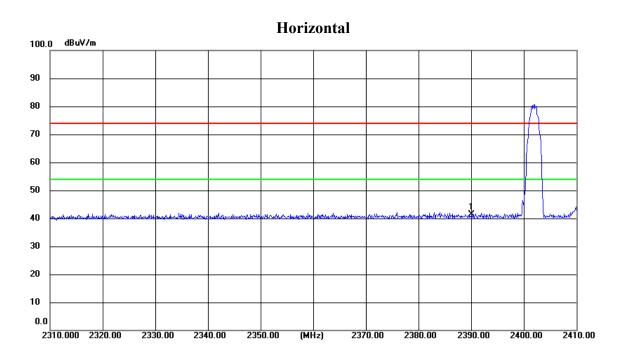


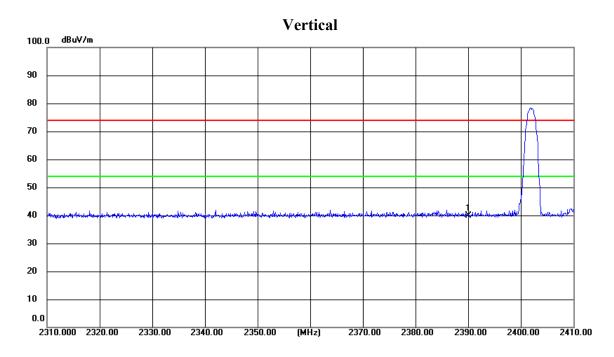
Measurement Data

Operation Mode: GFSK TX

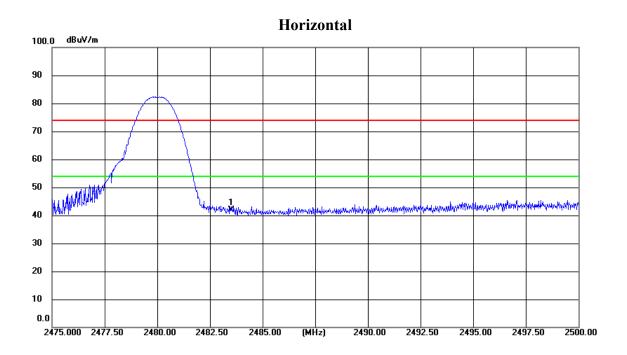
F.,, .,		Reading		A 1/OF	Act		Liı		
Freq. (MHz)	Ant.Pol. H/V	Peak (dBuv)	AV (dBuv)	Ant/CF CF(dB)	Peak (dBuv/m)	AV (dBuv/m)	Peak (dBuv/m)	AV (dBuv/m)	Note
2390.00	Н	47.14		-5.79	41.35		74.00	54.00	CH00
2390.00	V	45.56		-5.79	39.77		74.00	54.00	CH00
2483.50	Н	46.85		-4.98	41.87		74.00	54.00	CH39
2483.50	V	46.92		-4.98	41.94		74.00	54.00	CH39

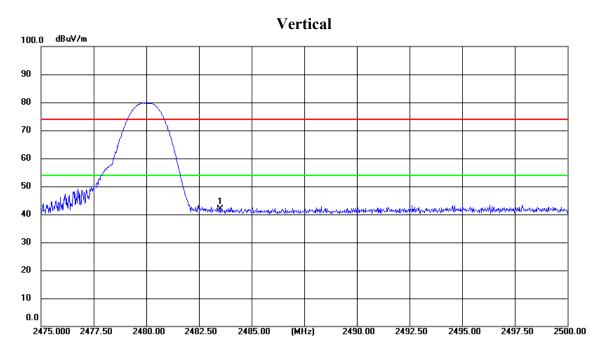














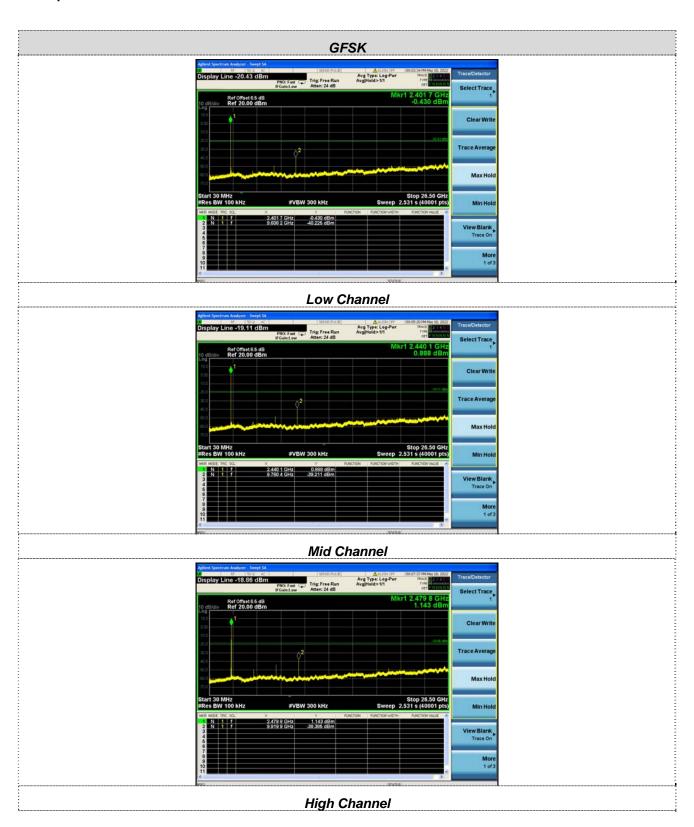
6.6. Spurious Emission

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:

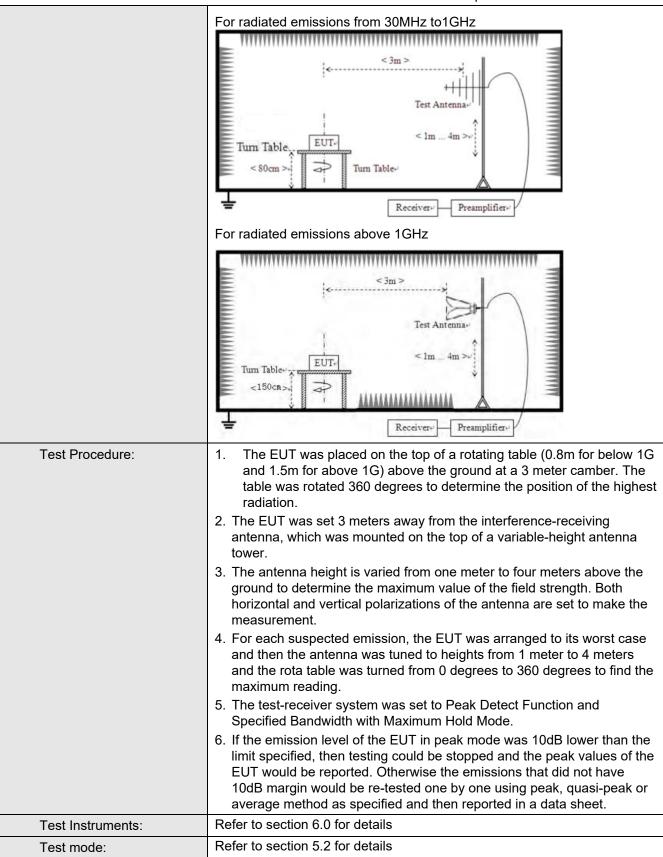




6.6.2 Radiated Emission Method

Test Requirement:	FCC Part15 C Section	on 15	5.209					
Test Method:	ANSI C63.10:2013							
Test Frequency Range:	9kHz to 25GHz							
Test site:	Measurement Distar	nce: (3m					
Receiver setup:	Frequency		etector	RBW		VBW	Value	
·	9KHz-150KHz	Qι	ıasi-peak	2001	Hz	600Hz	z Quasi-peak	
	150KHz-30MHz	Qι	ıasi-peak	9KF	łz	30KH	z Quasi-peak	
	30MHz-1GHz	Qι	ıasi-peak	120K	Hz	300KH	z Quasi-peak	
	Ab 21/2 4 CH =		Peak	1MF	Ηz	3MHz	: Peak	
	Above 1GHz		Peak	1MF	Ηz	10Hz	Average	
Limit:	Frequency		Limit (u\	//m)	٧	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	Z	200		QP		3m	
	960MHz-1GHz		500 500		QP		OIII	
	Above 1GHz				Average			
	7,5000 10112		5000		F	Peak		
Test setup:	For radiated emissio	ns fr	< 3m >	*******	0			







Test environment:	Temp.:	25 °C	Humid.:	52%	Press.:	1012mbar
Test voltage:	DC3.7V					
Test results:	Test results: Pass					

Measurement data:

Remark:

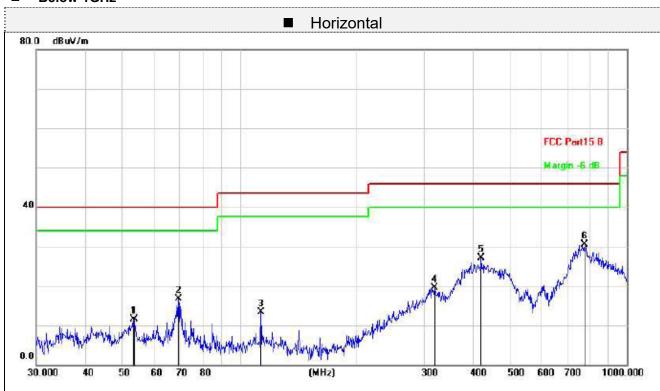
Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis which it is worse case.

■ 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.

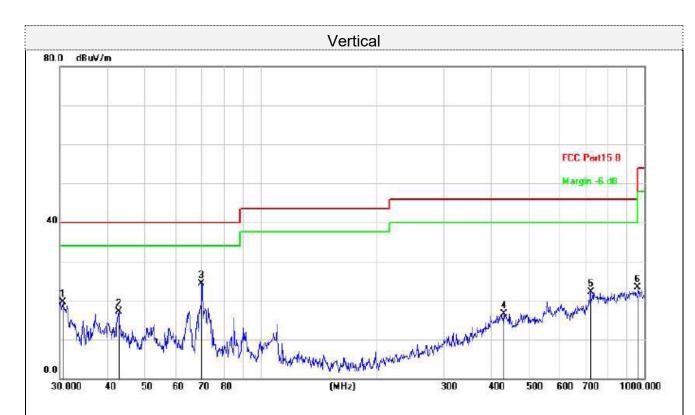


■ Below 1GHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB	dBuV/m	dB/m	dB	Detector
1		53.3179	28.97	-17.50	11.47	40.00	-28.53	QP
2		69.3568	36.58	-19.85	16.73	40.00	-23.27	QP
3		113.3163	33.53	-20.18	13.35	43.50	-30.15	QP
4		318.8170	36.61	-17.16	19.45	46.00	-26.55	QP
5		420.5803	41.24	-14.06	27.18	46.00	-18.82	QP
6	*	776.8778	37.95	-7.36	30.59	46.00	-15.41	QP





No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBu∨	dB	dBuV/m	dB/m	dB	Detector
1		30.5306	38.09	-18.54	19.55	40.00	-20.45	QP
2		42.6000	34.47	-17.43	17.04	40.00	-22.96	QP
3	*	69.8450	44.33	-19.94	24.39	40.00	-15.61	QP
4		429.5228	30.72	-14.17	16.55	46.00	-29.45	QP
5		724.2611	30.67	-8.52	22.15	46.00	-23.85	QP
6		962.1623	28.07	-4.71	23.36	54.00	-30.64	QP



■ Above 1GHz

CH Low (2402MHz)

Horizontal:

Frequency	Meter Reading	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limits	Margin	
(MHz)	(dBµV)	(dB/m)	(dB)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
4804	46.21	31.40	8.18	32.10	53.69	74.00	-20.31	peak
4804	29.05	31.40	8.18	32.10	36.53	54.00	-17.47	AVG
7206	42.27	35.80	10.83	31.40	57.50	74.00	-16.50	peak
7206	27.65	35.80	10.83	31.40	42.88	54.00	-11.12	AVG
9608	43.56	37.11	12.66	30.59	62.74	74.00	-11.26	peak
9608	25.28	37.11	12.66	30.59	44.46	54.00	-9.54	AVG
Remark: Fact	or = Antenna Fac	tor + Cable Los	ss – Pre-amplifie	er.				

Ve<u>rtical:</u>

Frequency	Meter Reading	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limits	Margin	
(MHz)	(dBµV)	(dB/m)	(dB)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
4804	45.63	31.40	8.18	32.10	53.11	74.00	-20.89	peak
4804	28.53	31.40	8.18	32.10	36.01	54.00	-17.99	AVG
7206	43.07	35.80	10.83	31.40	58.30	74.00	-15.70	peak
7206	28.22	35.80	10.83	31.40	43.45	54.00	-10.55	AVG
9608	42.45	37.11	12.66	30.59	61.63	74.00	-12.37	peak
9608	24.38	37.11	12.66	30.59	43.56	54.00	-10.44	AVG
	or = Antenna Fac				₹0.00	04.00	10.44	7.00



CH Middle (2440MHz)

Horizontal:

Frequency	Meter Reading	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limits	Margin	
(MHz)	(dBµV)	(dB/m)	(dB)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
4880	47.95	31.40	9.17	32.10	56.42	74.00	-17.58	peak
4880	30.69	31.40	9.17	32.10	39.16	54.00	-14.84	AVG
7320	42.88	35.80	10.83	31.40	58.11	74.00	-15.89	peak
7320	28.10	35.80	10.83	31.40	43.33	54.00	-10.67	AVG
9760	44.02	37.11	12.71	30.59	63.25	74.00	-10.75	peak
9760	25.81	37.11	12.71	30.59	45.04	54.00	-8.96	AVG

Vertical:

Frequency	Meter Reading	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limits	Margin			
(MHz)	(dBµV)	(dB/m)	(dB)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type		
4880	46.63	31.40	9.17	32.10	55.10	74.00	-18.90	peak		
4880	30.11	31.40	9.17	32.10	38.58	54.00	-15.42	AVG		
7320	42.52	35.80	10.83	31.40	57.75	74.00	-16.25	peak		
7320	27.36	35.80	10.83	31.40	42.59	54.00	-11.41	AVG		
9760	43.95	37.11	12.71	30.59	63.18	74.00	-10.82	peak		
9760	27.22	37.11	12.71	30.59	46.45	54.00	-7.55	AVG		
Remark [,] Facto	emark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.									



CH High (2480MHz)

Horizontal:

Frequency	Meter Reading	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limits	Margin	
(MHz)	(dBµV)	(dB/m)	(dB)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
4960	47.89	31.40	9.17	32.10	56.36	74.00	-17.64	peak
4960	31.65	31.40	9.17	32.10	40.12	54.00	-13.88	AVG
7440	43.33	35.80	10.83	31.40	58.56	74.00	-15.44	peak
7440	28.02	35.80	10.83	31.40	43.25	54.00	-10.75	AVG
9920	45.66	37.11	12.71	30.59	64.89	74.00	-9.11	peak
9920	28.41	37.11	12.71	30.59	47.64	54.00	-6.36	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Vertical:

Frequency	Meter Reading	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limits	Margin			
(MHz)	(dBµV)	(dB/m)	(dB)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type		
4960	46.02	31.40	9.17	32.10	54.49	74.00	-19.51	peak		
4960	31.11	31.40	9.17	32.10	39.58	54.00	-14.42	AVG		
7440	42.74	35.80	10.83	31.40	57.97	74.00	-16.03	peak		
7440	27.69	35.80	10.83	31.40	42.92	54.00	-11.08	AVG		
9920	45.12	37.11	12.71	30.59	64.35	74.00	-9.65	peak		
9920	28.08	37.11	12.71	30.59	47.31	54.00	-6.69	AVG		
Remark: Facto	Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.									

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.



7. Test Setup Photo

Reference to the appendix I for details.

8. EUT Constructional Details

Reference to the appendix II for details.

