



**FCC TEST REPORT** 

Test report
On Behalf of
Dongguan Couso Technology Co.,Ltd.
For

2.4Ghz Wireless Keyboard Model No.: CK-380G, Please refer to page 6 for Serial models

FCC ID: 2AMSRCS3800G

Prepared for: Dongguan Couso Technology Co.,Ltd.

No.26 Minye Road, Tangxia town Dongguang City, Guangdong Province, China

Prepared By: Shenzhen HUAK Testing Technology Co., Ltd.

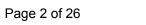
1F, B2 Building, Junfeng Zhongcheng Zhizao Innovation Park, Fuhai Street,

Bao'an District, Shenzhen City, China

Date of Test: Dec. 31, 2020 ~ Jan. 25, 2021

Date of Report: Jan. 25, 2021

Report Number: HK2012314076-E





**TEST RESULT CERTIFICATION** 

<del></del> \	J — —	
Applicant's name:	Donggua	n Couso Technology Co.,Ltd.
Address:	No.26 Mi Province,	nye Road, Tangxia town Dongguang City, Guangdong China
Manufacture's Name:	Donggua	n Couso Technology Co.,Ltd.
Address:	No.26 Mi Province,	nye Road, Tangxia town Dongguang City, Guangdong China
Product description		
Trade Mark:	COUSO,	BANRUO
Product name:	2.4Ghz W	/ireless Keyboard
Model and/or type reference :	CK-380G	, Please refer to page 6 for Serial models
Standards:	FCC Rule ANSI C63	es and Regulations Part 15 Subpart C Section 15.249 3.10: 2013
the Shenzhen HUAK Testing source of the material. Shenzhe	Technolog en HUAK for dama	nole or in part for non-commercial purposes as long as y Co., Ltd. is acknowledged as copyright owner and Testing Technology Co., Ltd. takes no responsibility for ges resulting from the reader's interpretation of the and context.
Date of Test	:	
Date (s) of performance of tests	:	Dec. 31, 2020 ~ Jan. 25, 2021
Date of Issue	:	Jan. 25, 2021
Test Result	:	Pass
Testing Engine	eer :	Gary Qian
		(Gary Qian)
Technical Man	ager :	Edan Hu
		(Eden Hu)
Authorized Sig	natory:	Jason Whou
		(Jason Zhou)

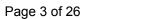




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# \*\* Modifited History \*\*

Revison	Description	Issued Data	Remark
Revsion 1.0	Initial Test Report Release	Jan. 25, 2021	Jason Zhou





## 1. Test Summary

### 1.1. Test Procedures And Results

DESCRIPTION OF TEST	SECTION NUMBER	RESULT
CONDUCTED EMISSIONS TEST	15.207	N/A
RADIATED EMISSION TEST	15.249(a) /15.209	COMPLIANT
BAND EDGE	15.249(d)/15.205	COMPLIANT
OCCUPIED BANDWIDTH MEASUREMENT	15.215 (c)	COMPLIANT
ANTENNA REQUIREMENT	15.203	COMPLIANT

### 1.2. Test Facility

Test Firm : Shenzhen HUAK Testing Technology Co., Ltd.

Address : 1F, B2 Building, Junfeng Zhongcheng Zhizao Innovation Park, Fuhai

Street, Bao'an District, Shenzhen City, China

## 1.3. Measurement Uncertainty

## Measurement Uncertainty

Conducted Emission Expanded Uncertainty = 2.71dB, k=2 Radiated emission expanded uncertainty(9kHz-30MHz) = 4.26dB, k=2 Radiated emission expanded uncertainty(30MHz-1000MHz) = 3.90dB, k=2 Radiated emission expanded uncertainty(Above 1GHz) = 4.28dB, k=2



## 2. General Information

# 2.1. General Description Of EUT

Equipment	2.4Ghz Wireless Keyboard				
Model Name	CK-380G				
Woder Name	CS3800G, CK100G, CK110G, CK120G, CK130G, CK140G,				
	CK150G, CK160G, CK170G, CK180G, CK190G, CK200G,				
	CK210G, CK220G, CK230G, CK240G, CK250G, CK260G,				
	CK270G, CK280G, CK290G, CK300G, CK310G, CK320G,				
	CK330G, CK340G, CK350G, CK360G, CK370G, CK390G,				
Serial Model	CK400G, CK410G, CK420G, CK430G, CK440G, CK450G,				
	CK455G, CK465G, CK460G, CK470G, CK480G, CK490G,				
	CK500G, CK510G, CK520G, CK530G, CK600G, CK601G,				
	CK710G, CK730G, CK800G, CK801G, CK802G, CK803G,				
	CK804G, CK805G, CK806G, CK807G, CK808G, CK809G,				
	CK910G				
	All model's the function, software and electric circuit are the				
Model Difference	same, only with a product model named and trade mark				
	different. Test sample model: CK-380G				
FCC ID	2AMSRCS3800G				
Antenna Type	PCB Antenna				
Antenna Gain	-0.61dBi				
Operation frequency	2408-2474MHz				
Number of Channels	34CH				
Modulation Type	GFSK				
Power Source	DC 3V from battery				
Power Rating	DC 3V from battery				





## 2.1.1. Carrier Frequency of Channels

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

## 2.2. Operation of EUT during testing

Operating Mode

The mode is used: Transmitting mode

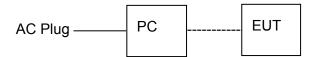
Low Channel: 2408MHz Middle Channel: 2440MHz High Channel: 2474MHz





### 2.3. Description Of Test Setup

Operation of EUT during radiation below 1GHz testing:



Operation of EUT during radiation above 1GHz testing:

EUT

PC information

Model: ThinkPad E450 Input: 20V, 2.25A/3.25A

The sample was placed (0.8m below 1GHz, 1.5m above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages. The worst case is X position.



2.4. Measurement Instruments List

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	L.I.S.N. Artificial Mains Network	R&S	ENV216	HKE-002	Jun. 18, 2020	1 Year
2.	Receiver	R&S	ESCI 7	HKE-010	Jun. 18, 2020	1 Year
3.	RF automatic control unit	Tonscend	JS0806-2	HKE-060	Jun. 18, 2020	1 Year
4.	Spectrum analyzer	R&S	FSP40	HKE-025	Jun. 18, 2020	1 Year
5.	Spectrum analyzer	Agilent	N9020A	HKE-048	Jun. 18, 2020	1 Year
6.	Preamplifier	Schwarzbeck	BBV 9743	HKE-006	Jun. 18, 2020	1 Year
7.	EMI Test Receiver	Rohde & Schwarz	ESCI 7	HKE-010	Jun. 18, 2020	1 Year
8.	Bilog Broadband Antenna	Schwarzbeck	VULB9163	HKE-012	Jun. 18, 2020	1 Year
9.	Loop Antenna	Schwarzbeck	FMZB 1519 B	HKE-014	Jun. 18, 2020	1 Year
10.	Horn Antenna	Schewarzbeck	9120D	HKE-013	Jun. 18, 2020	1 Year
11.	Pre-amplifier	EMCI	EMC051845 SE	HKE-015	Jun. 18, 2020	1 Year
12.	Pre-amplifier	Agilent	83051A	HKE-016	Jun. 18, 2020	1 Year
13.	EMI Test Software EZ-EMC	Tonscend	JY3120-B Version	HKE-083	Jun. 18, 2020	N/A
14.	Power Sensor	Agilent	E9300A	HKE-086	Jun. 18, 2020	1 Year
15.	Spectrum analyzer	Agilent	N9020A	HKE-048	Jun. 18, 2020	1 Year
16.	Signal generator	Agilent	N5182A	HKE-029	Jun. 18, 2020	1 Year
17.	Signal Generator	Agilent	83630A	HKE-028	Jun. 18, 2020	1 Year
18.	Shielded room	Shiel Hong	4*3*3	HKE-039	Dec. 17, 2020	3 Year
19.	Hight gain antenna	Schwarzbeck	LB-180400K F	HKE-054	Jun. 18, 2020	1 Year



### 3. Conducted Emissions Test

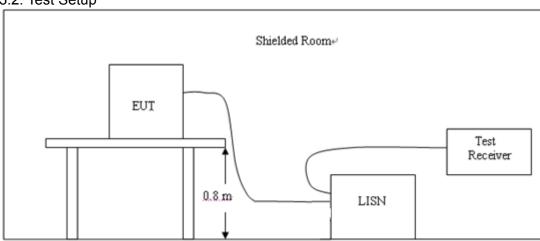
#### 3.1. Conducted Power Line Emission Limit

For unintentional device, according to § 15.107(a) Line Conducted Emission Limits is as following

Eroguenev	Maximum RF Line Voltage (dBμV)					
Frequency (MHz)	CLAS	SS A	C	CLASS B		
(11112)	Q.P.	Ave.	Q.P.	Ave.		
0.15 - 0.50	79	66	66-56*	56-46*		
0.50 - 5.00	73	60	56	46		
5.00 - 30.0	73	60	60	50		

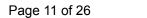
<sup>\*</sup> Decreasing linearly with the logarithm of the frequency
For intentional device, according to §15.207(a) Line Conducted Emission Limit is same as above table.

### 3.2. Test Setup



### 3.3. Test Procedure

- 1, The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10.
- 2, Support equipment, if needed, was placed as per ANSI C63.10.
- 3, All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.
- 4, If a EUT received DC power from the USB Port of Notebook PC, the PC's adapter received AC120V/60Hz power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
- 5, All support equipments received AC power from a second LISN, if any.
- 6, The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- 7, Analyzer / Receiver scanned from 150 KHz to 30MHz for emissions in each of the test modes.





## 3.4. Test Result

Not applicable. Note: EUT power supply by DC Power, so this test item not applicable.



### 4. Radiated Emission Test

#### 4.1. Radiation Limit

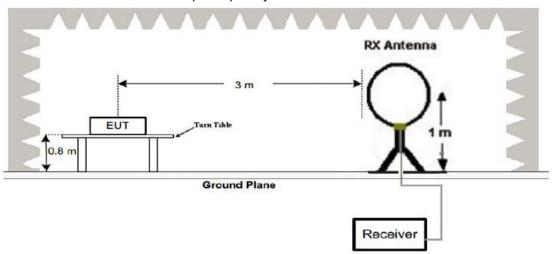
For unintentional device, according to § 15.109(a), except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

Talacc.			
Frequency	Distance	Radiated	Radiated
(MHz)	(Meters)	(dBµV/m)	(µV/m)
0.009-0.490	300	20log 2400/F (kHz)	2400/F (kHz)
0.490-1.705	30	20log 24000/F (kHz)	24000/F (kHz)
1.705-30	30	20log 30	30
30-88	3	40	100
88-216	3	43.5	150
216-960	3	46	200
Above 960	3	54	500

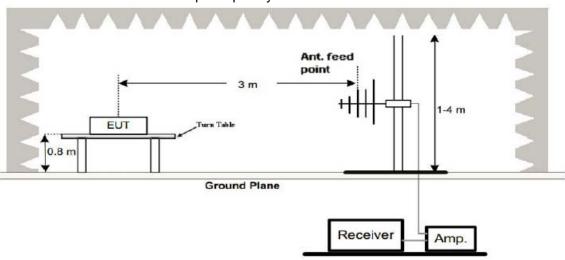
For intentional device, according to § 15.209(a), the general requirement of field strength of radiated emissions from intentional radiators at a distance of 3 meters shall not exceed the above table.

## 4.2. Test Setup

## (1) Radiated Emission Test-Up Frequency Below 30MHz

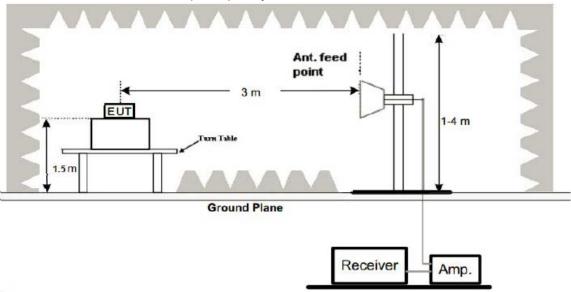


## (2) Radiated Emission Test-Up Frequency 30MHz~1GHz





(3) Radiated Emission Test-Up Frequency Above 1GHz



#### 4.3. Test Procedure

- 1. Below 1GHz measurement the EUT is placed on turntable which is 0.8m above ground plane. And above 1GHz measurement EUT was placed on low permittivity and low tangent turn table which is 1.5m above ground plane.
- 2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
- 3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
- 4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
- 5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
- 6. Repeat above procedures until the measurements for all frequencies are complete.
- 7. The test frequency range from 9KHz to 25GHz per FCC PART 15.33(a).

#### Note:

For battery operated equipment, the equipment tests shall be performed using a new battery.

### 4.4. Test Result

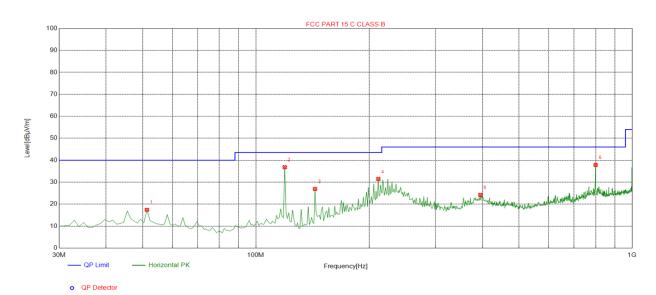
#### **PASS**

All the test modes completed for test. The worst case of Radiated Emission is CH 01; the test data of this mode was reported.



Below 1GHz Test Results:

Antenna polarity: H



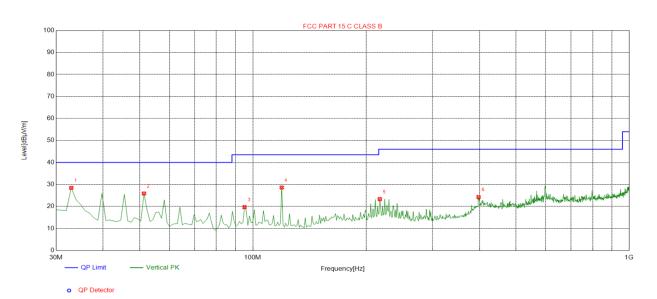
Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	51.3614	-13.86	31.26	17.40	40.00	22.60	100	360	Horizontal
2	119.3293	-16.99	53.83	36.84	43.50	6.66	100	306	Horizontal
3	143.6036	-19.09	46.01	26.92	43.50	16.58	100	347	Horizontal
4	211.5716	-14.76	46.20	31.44	43.50	12.06	100	79	Horizontal
5	395.0851	-10.53	34.75	24.22	46.00	21.78	100	334	Horizontal
6	799.9800	-3.12	40.97	37.85	46.00	8.15	100	347	Horizontal

Remark: Factor = Cable loss + Antenna factor – Preamplifier; Level = Reading + Factor; Margin = Limit – Level

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## Antenna polarity: V



Suspected List									
NO.	Freq.	Factor	Reading	Level	Limit	Margin	Height	Angle	Polarity
	[MHz]	[dB]	[dBµV/m]	[dBµV/m]	[dBµV/m]	[dB]	[cm]	[°]	
1	32.9129	-16.22	44.68	28.46	40.00	11.54	100	336	Vertical
2	51.3614	-13.86	39.77	25.91	40.00	14.09	100	80	Vertical
3	95.0551	-16.23	35.93	19.70	43.50	23.80	100	288	Vertical
4	119.3293	-16.99	45.61	28.62	43.50	14.88	100	272	Vertical
5	217.3974	-14.62	37.97	23.35	46.00	22.65	100	348	Vertical
6	397.9980	-10.45	34.72	24.27	46.00	21.73	100	32	Vertical

Remark: Factor = Cable loss + Antenna factor – Preamplifier; Level = Reading + Factor; Margin = Limit – Level

## **Harmonics and Spurious Emissions**

## Frequency Range (9 kHz-30MHz)

Frequency (MHz)	Level@3m (dBµV/m)	Limit@3m (dBµV/m)

**Note:**1. Emission Level=Reading+ Cable loss+ Antenna factor-Amp factor

2. The emission levels are 20 dB below the limit value, which are not reported. It is deemed to comply with the requirement



Above 1 GHz Test Results: CH Low (2408MHz)

## Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector	
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type	
2408	107.37	-5.84	101.53	114	-12.47	peak	
2408	87.22	-5.84	81.38	94	-12.62	AVG	
4816	59.46	-3.64	55.82	74	-18.18	peak	
4816	46.76	-3.64	43.12	54	-10.88	AVG	
7224	54.35	-0.95	53.4	74	-20.6	peak	
7224	42.51	-0.95	41.56	54	-12.44	AVG	
Remark: Facto	Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

## Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	5	
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type	
2408	110.5	-5.84	104.66	114	-9.34	peak	
2408	83.91	-5.84	78.07	94	-15.93	AVG	
4816	57.73	-3.64	54.09	74	-19.91	peak	
4816	46.94	-3.64	43.3	54	-10.7	AVG	
7224	53.97	-0.95	53.02	74	-20.98	peak	
7224	41.42	-0.95	40.47	54	-13.53	AVG	
Remark: Facto	Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						



## CH Middle (2440MHz)

## Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector	
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type	
2440	108.81	-5.71	103.1	114	-10.9	peak	
2440	79.16	-5.71	73.45	94	-20.55	AVG	
4880	56.68	-3.51	53.17	74	-20.83	peak	
4880	45.50	-3.51	41.99	54	-12.01	AVG	
7320	57.23	-0.82	56.41	74	-17.59	peak	
7320	42.44	-0.82	41.62	54	-12.38	AVG	
Remark: Facto	Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

## Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector	
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type	
2440	103.23	-5.71	97.52	114	-16.48	peak	
2440	83.29	-5.71	77.58	94	-16.42	AVG	
4880	55.05	-3.51	51.54	74	-22.46	peak	
4880	46.58	-3.51	43.07	54	-10.93	AVG	
7320	54.84	-0.82	54.02	74	-19.98	peak	
7320	42.83	-0.82	42.01	54	-11.99	AVG	
Remark: Facto	Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.						





CH High (2474MHz)

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	D-44
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2474	104.89	-5.65	99.24	114	-14.76	peak
2474	82.09	-5.65	76.44	94	-17.56	AVG
4948	54.57	-3.43	51.14	74	-22.86	peak
4948	44.45	-3.43	41.02	54	-12.98	AVG
7422	56.62	-0.75	55.87	74	-18.13	peak
7422	40.69	-0.75	39.94	54	-14.06	AVG

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

#### Vertical:

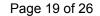
Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Datastas
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2474	105.32	-5.65	99.67	114	-14.33	peak
2474	82.69	-5.65	77.04	94	-16.96	AVG
4948	56.98	-3.43	53.55	74	-20.45	peak
4948	45.52	-3.43	42.09	54	-11.91	AVG
7422	54.90	-0.75	54.15	74	-19.85	peak
7422	39.10	-0.75	38.35	54	-15.65	AVG
Remark: Facto	or = Antenna Fac	ctor + Cable Lo	ss – Pre-amplifier			

#### Remark:

- (1) Measuring frequencies from 1 GHz to the 25 GHz •
- (2) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (3) \* denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (4)The emissions are attenuated more than 20dB below the permissible limits are not record in the report.
- (5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for peak measurement with peak detector at frequency above 1GHz. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average measurement with peak

detection at frequency above 1GHz.

- (6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.
- (7)All modes of operation were investigated and the worst-case emissions are reported.





## 5. Band Edge

### 5.1. Limits

FCC PART 15.249(d) Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in §15.209, whichever is the lesser attenuation.

#### 5.2. Test Procedure

The band edge compliance of RF radiated emission should be measured by following the guidance in ANSI C63.10 with respect to maximizing the emission by rotating the EUT, measuring the emission while the EUT is situated in three orthogonal planes (if appropriate), adjusting the measurement antenna height and polarization etc. Set RBW to 100KHz and VBM to 300KHz to measure the peak field strength and set RBW to 1MHz and VBW to 10Hz to measure the average radiated field strength. The conducted RF band edge was measured by using a spectrum analyzer. Set span wide enough to capture the highest in-band emission and the emission at the band edge. Set RBW to 100 KHz and VBW to 300 KHz, to measure the conducted peak band edge.



## **PASS**

Radiated Band Edge Test:

Operation Mode: TX CH Low (2408MHz)

Horizontal (Worst case)

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector	
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре	
2310	57.63	-5.81	51.82	74	-22.18	peak	
2310	1	-5.81	1	54	1	AVG	
2390	53.72	-5.84	47.88	74	-26.12	peak	
2390	1	-5.84	1	54	1	AVG	
2400	52.47	-5.84	46.63	74	-27.37	peak	
2400	1	-5.84	1	54	1	AVG	
Damaniu Fasta	Domarky Factor - Antonna Factor I Cable Loss - Dra amplifier						

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

## Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре
2310	56.39	-5.81	50.58	74	-23.42	peak
2310	1	-5.81	1	54	1	AVG
2390	53.72	-5.84	47.88	74	-26.12	peak
2390	1	-5.84	1	54	1	AVG
2400	56.43	-5.84	50.59	74	-23.41	peak
2400	1	-5.84	1	54	1	AVG

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



Operation Mode: TX CH High (2474MHz)

Horizontal (Worst case)

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2483.50	57.39	-5.65	51.74	74	-22.26	peak
2483.50	1	-5.65	1	54	1	AVG
2500.00	54.66	-5.65	49.01	74	-24.99	peak
2500.00	1	-5.65	1	54	1	AVG

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

## Vertical:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2483.50	57.25	-5.65	51.6	74	-22.4	peak
2483.50	1	-5.65	1	54	1	AVG
2500.00	55.63	-5.65	49.98	74	-24.02	peak
2500.00	1	-5.65	1	54	1	AVG

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

Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.



6. Occupied Bandwidth Measurement

### 6.1. Test Setup

Same as Radiated Emission Measurement

### 6.2. Test Procedure

- 1. The EUT was placed on a turn table which is 0.8m above ground plane.
- 2. Set EUT as normal operation.
- 3. Based on ANSI C63.10 section 6.9.2: RBW= 30KHz. VBW= 100 KHz, Span=6MHz.
- 4. The useful radiated emission from the EUT was detected by the spectrum analyser with peak detector.

## 6.3. Measurement Equipment Used

Same as Radiated Emission Measurement

### 6.4. Test Result

### **PASS**

Frequency	20dB Bandwidth (MHz)	Result
2408 MHz	3.127	PASS
2440 MHz	2.090	PASS
2474 MHz	2.102	PASS

CH: 2408MHz







#### CH: 2440MHz



### CH: 2474MHz





7. Antenna Requirement

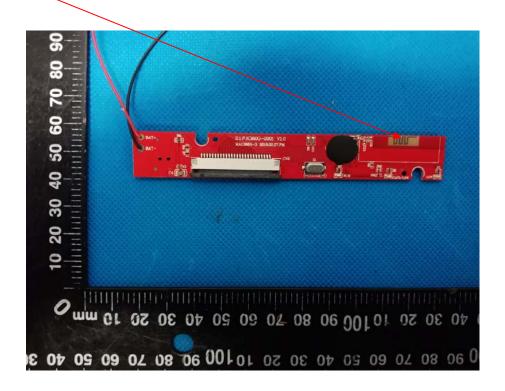
#### **Standard Applicable**

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.

### **Antenna Connected Construction**

The antenna used in this product is a PCB Antenna which permanently attached. It conforms to the standard requirements. The directional gains of antenna used for transmitting is -0.61dBi.

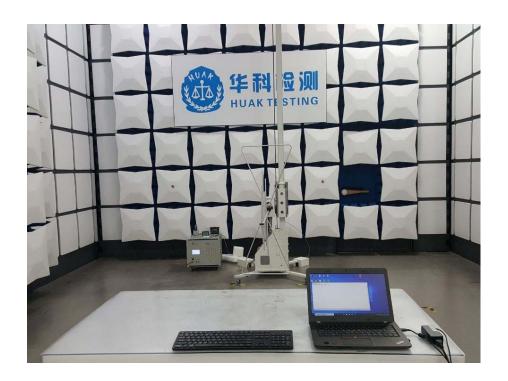
### **ANTENNA**





# 8. Photograph Of Test

## Radiated Emission







9. Photos Of The EUT

Reference to the reporter :	ANNEX A of external	photos and A	ANNEX B of	internal photo:

-----End of test report-----