

Page 1 of 26

# FCC TEST REPORT

Test report On Behalf of SHENZHEN SUNVEYTECH CO.,LTD

For

Wireless Backup camera System Model No.: SWD-VK-CX77+607, SWD-VK-CX77+615, SWD-VK-CX77+605, SWD-VK-TB77+607, SWD-VK-TB77+615, SWD-VK-TB77+605, SWD-VK-TB77+606, R-7in-1T1, S19, D11, U14

### FCC ID: 2AQNR-VK-CX77607

**Prepared For :** 

#### SHENZHEN SUNVEYTECH CO., LTD

502, Building A, Penglongpan High-Tech Park, No.11, Dafu Industrial Zone, Guanlan Street, Longhua District, Shenzhen, China

Prepared By :

Shenzhen HUAK Testing Technology Co., Ltd.

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 Date of Test:
 Feb. 16, 2022~Feb. 27, 2022

 Date of Report:
 Feb. 27, 2022

 Report Number:
 HK2202170429-E

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### TEST RESULT CERTIFICATION Applicant's name ...... SHENZHEN SUNVEYTECH CO., LTD 502, Building A, Penglongpan High-Tech Park, No.11, Dafu Address ...... : Industrial Zone, Guanlan Street, Longhua District, Shenzhen, China Manufacture's Name ......: SHENZHEN SUNVEYTECH CO., LTD 502, Building A, Penglongpan High-Tech Park, No.11, Dafu : Industrial Zone, Guanlan Street, Longhua District, Shenzhen, Address ..... China **Product description** Trade Mark: SVTCAM Product name ..... Wireless Backup camera System SWD-VK-CX77+607, SWD-VK-CX77+615, SWD-VK-CX77+605, SWD-VK-TB77+607, SWD-VK-TB77+615, SWD-VK-TB77+605, Model and/or type reference : SWD-VK-TB77+606, R-7in-1T1, S19, D11, U14

Standards ...... FCC Rules and Regulations Part 15 Subpart C Section 15.249 ANSI C63.10: 2013

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Date of Test.....

Date (s) of performance of tests	Feb. 16, 2022~Feb. 27, 2022
	Eab 27 2022

Date of Issue..... Fel

Test Result ..... Pass

Testing Engineer

tant

(Gary Qian)

Technical Manager

(Eden Hu)

ason Mou

Authorized Signatory :

(Jason Zhou)

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### Page 3 of 26

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		Table of Cor	ntents	Page
1.TEST	SUMMARY			5
1.1 . Te	est Procedures and	Results		5
	formation of the Te	st Laboratory		55M
1.3 . M	leasurement Uncer	ainty		5
🕬 2 . GENE	RAL INFORMATI	ON MC		6
2.1 . G	eneral Description	of EUT		MAK TESTING
2.2.0	peration of EUT Du	ring Testing		7
2.3 . D	escription of Test S	etup		8
2.4 . M	leasurement Instrur	nents List		·····9
3. CON	IDUCTED EMISS	IONS TEST		10
3.1. Co	onducted Power Lin	e Emission Lir	nit	10
3.2. Te	st Setup			10
3.3. Te	st Procedure			10
3.4. Te	st Result			· 11
4. RADIA	TED EMISSION T	EST		12
4.1. Ra	adiation Limit			12 Mun 12
4.2. Te	st Setup			12
4.3. Te	st Procedure			13
4.4. Te	st Result			13
5. BAND	EDGE			9 19
5.1. Lir	nits			19
5.2. Te	st Procedure			19
5.3. Te	st Result			20
6. OCCU	PIED BANDWIDT	H MEASURE	MENT	22
6.1. Te	st Setup			22
6.2. Te	st Procedure			22
6.3. M	easurement Equipn	nent Used		22
6.4. Te	st Result			22
7. ANTEN	INA REQUIREME	NT HUM TEST		24
8. PHOTO	OGRAPH OF TES	Т		25
9. PHOT	DS OF THE EUT			26
WAX TESTING	ANAK TESTING			AK TESTING

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### \*\* Modified History \*\*

Initial Test Report Re	lease Feb	<b>b. 27, 2022</b>	Jason Zhou

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### **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. Information of the Test Laboratory

Shenzhen HUAK Testing Technology Co., Ltd. Add.: 1-2/F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park, Heping, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

Testing Laboratory Authorization:

A2LA Accreditation Code is 4781.01. FCC Designation Number is CN1229. Canada IC CAB identifier is CN0045. CNAS Registration Number is L9589.

1.3. Measurement Uncertainty

Measurement L	Jncertainty
---------------	-------------

Conducted Emission Expanded Uncertainty
Radiated emission expanded uncertainty(9kHz-30MHz)
Radiated emission expanded uncertainty(30MHz-1000MHz)
Radiated emission expanded uncertainty(Above 1GHz)

- = 2.71dB, k=2
- = 3.90dB, k=2
  - = 3.90dB, k=2
  - = 4.28dB, k=2

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### 2. GENERAL INFORMATION

2.1. General Description of EUT

Equipment:	Wireless Backup camera System
Model Name:	SWD-VK-CX77+607
	SWD-VK-CX77+615, SWD-VK-CX77+605,
Series Model:	SWD-VK-TB77+607, SWD-VK-TB77+615, SWD-VK-TB77+605,
	SWD-VK-TB77+606, R-7in-1T1, S19, D11, U14
	All model's the function, software and electric circuit are the
Model Difference:	same, only with a product color, appearance and model named
	different. Test sample model: SWD-VK-CX77+607.
FCC ID:	2AQNR-VK-CX77607
Antenna Type:	External Antenna
Antenna Gain:	3dBi
Operation frequency:	2408-2475MHz
Number of Channels:	18CH
Modulation Type:	GFSK
Power Source:	DC 12V
Power Rating:	DC 12V

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### 2.1.1. Carrier Frequency of Channels

AKTE	All .	AKTER	NAK	AKTE	MAIN
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
STING 1	2408	STANG 7	2428	13	2455
2	2411	8	2432	14 MARTIN	2458
3	2415	9	2442	15	2465
4	2418	10	2445	16	2468
5	2422	11_ HUA	2448	17	2472
6	2425	12	2452	» 18 🔍	2475

### 2.2. Operation of EUT During Testing

### Operating Mode The mode is used: **Transmitting mode**

Low Channel: 2408MHz Middle Channel: 2442MHz High Channel: 2475MHz

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2.3. Description of Test Setup

Operation of EUT during testing:

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.

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### 2.4. Measurement Instruments List

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
AKTESIN	L.I.S.N.	HUAKTESI	HUAKTESI	HUAKT	51.	KTESIN
1.	Artificial Mains	R&S	ENV216	HKE-002	Dec. 09, 2021	1 Year
TING	Network	TESTING		TESTIN		~
2.	Receiver	R&S	ESCI 7	HKE-010	Dec. 09, 2021	1 Year
3.	RF automatic control unit	Tonscend	JS0806-2	HKE-060	Dec. 09, 2021	1 Year
4.65	Spectrum analyzer	R&S	FSP40	HKE-025	Dec. 09, 2021	1 Year
5.	Spectrum analyzer	Agilent	N9020A	HKE-048	Dec. 09, 2021	1 Year
6.	Preamplifier	Schwarzbeck	BBV 9743	HKE-006	Dec. 09, 2021	1 Year
7.00	EMI Test Receiver	Rohde & Schwarz	ESCI 7	HKE-010	Dec. 09, 2021	1 Year
8.	Bilog Broadband Antenna	Schwarzbeck	VULB9163	HKE-012	Dec. 09, 2021	1 Year
9.	Loop Antenna	Schwarzbeck	FMZB 1519 B	HKE-014	Dec. 09, 2021	<sup>©</sup> 1 Year
10.	Horn Antenna	Schewarzbeck	9120D	HKE-013	Dec. 09, 2021	1 Year
11.	Pre-amplifier	EMCI	EMC051845S E	HKE-015	Dec. 09, 2021	1 Year
12.	Pre-amplifier	Agilent	83051A	HKE-016	Dec. 09, 2021	1 Year
13.	EMI Test Software EZ-EMC	Tonscend	JY3120-B Version	HKE-083	N/A	N/A
14.	Power Sensor	Agilent	E9300A	HKE-086	Dec. 09, 2021	1 Year
15.	Spectrum analyzer	Agilent	N9020A	HKE-048	Dec. 09, 2021	1 Year
16.	Signal generator	Agilent	N5182A	HKE-029	Dec. 09, 2021	1 Year
17.	Signal Generator	Agilent	83630A	HKE-028	Dec. 09, 2021	1 Year
18.	Shielded room	Shiel Hong	4*3*3	HKE-039	Dec. 09, 2021	3 Year
19.	Hight gain antenna	Schwarzbeck	LB-180400KF	HKE-054	Dec. 09, 2021	1 Year

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### 3. CONDUCTED EMISSIONS TEST

### 3.1. Conducted Power Line Emission Limit

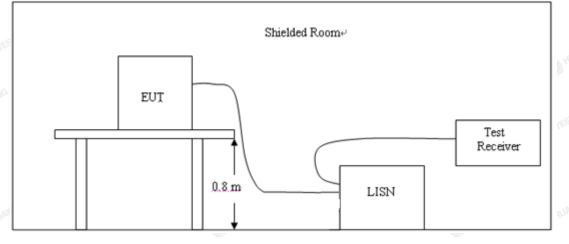
For unintentional device, according to § 15.107(a) Line Conducted Emission Limits is as following.

<b>F</b>	M	Maximum RF Line Voltage (dBµV)			
Frequency (MHz)	CLAS	CLASS A		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	

\* 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.

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Page 11 of 26

Report No.: HK2202170429-E

3.4. Test Result

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

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### 4. RADIATED EMISSION TEST

#### 4.1. Radiation Limit

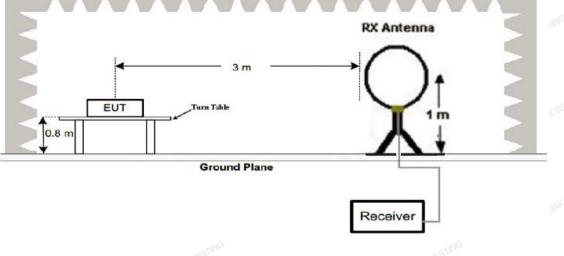
For unintentional device, according to § 15.109(a), except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

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	TESTING 3	46	200
Above 960	3	54	500
1000	100	CAN VIGHT	100

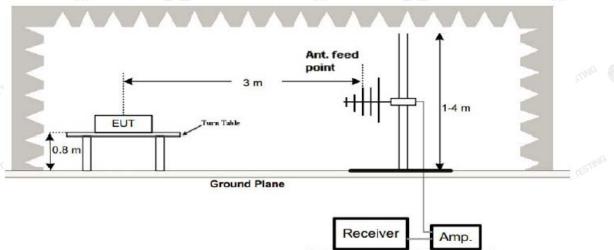
For intentional device, according to § 15.209(a), the general requirement of field strength of radiated emissions from intentional radiators at a distance of 3 meters shall not exceed the above table.

### 4.2. Test Setup

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



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

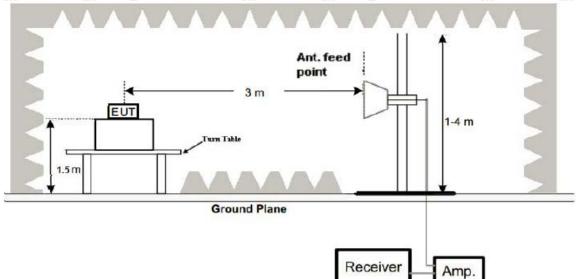


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(3) Radiated Emission Test-Up Frequency Above 1GHz



- 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.

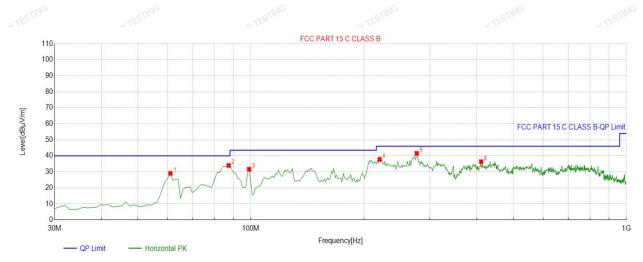
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а АР

### Below 1GHz Test Results:

Antenna polarity: H



	OP	Detecto
•	Ger	Delecto

Suspe	cted List								
NO	Freq.	Factor	Reading	Level	Limit	Margin	Height	Angle	Delevite
NO.	[MHz]	[dB]	[dBµV/m]	[dBµV/m]	[dBµV/m]	[dB]	[cm]	[°]	Polarity
1	61.0711	-15.43	44.47	29.04	40.00	10.96	100	252	Horizontal
2	87.2873	-17.72	51.72	34.00	40.00	6.00	100	209	Horizontal
3	98.9389	-15.58	47.23	31.65	43.50	11.85	100	10	Horizontal
4	220.3103	-14.55	52.34	37.79	46.00	8.21	100	154	Horizontal
5	276.6266	-13.39	54.97	41.58	46.00	4.42	100	98	Horizontal
6	410.6206	-10.21	46.59	36.38	46.00	9.62	100	37	Horizontal
3	Ś			9	9			w.	

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

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IE.

Antenna polarity: V



#### QP Detecto

Suspe	Suspected List											
NO.	Freq.	Factor	Reading	Level	Limit	Margin	Height	Angle	Delevity			
NO.	[MHz]	[dB]	[dBµV/m]	[dBµV/m]	[dBµV/m]	[dB]	[cm]	[°]	Polarity			
1	63.0130	-15.92	49.11	33.19	40.00	6.81	100	250	Vertical			
2	98.9389	-15.58	53.58	38.00	43.50	5.50	100	108	Vertical			
3	122.2422	-17.43	54.20	36.77	43.50	6.73	100	270	Vertical			
4	178.5586	-16.92	50.45	33.53	43.50	9.97	100	353	Vertical			
5	371.7818	-10.97	48.09	37.12	46.00	8.88	100	210	Vertical			
6	570.8308	-6.42	44.57	38.15	46.00	7.85	100	198	Vertical			
6	570.8308	-6.42	44.57	38.15	46.00	7.85	100	198	Ver			

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)
(m.	and a sub-	CTESTIC	- WAN TESTING
	HUAK TED	HIM TES	HUAK TES
		e <u></u>	-STING
		<sup>40</sup> - <sup>20</sup>	10 ml

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.

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

### Horizontal:

	AK TES	W TEO	NK TEN		AKTES	T Mar
-requency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре
2408	105.16	-5.84	99.32	114	-14.68	peak
2408	85.21	-5.84	79.37	94	-14.63	AVG
4816	56.18	-3.64	52.54	74	-21.46	peak
4816	43.22	-3.64	39.58	54	-14.42	AVG
7224	52.18	-0.95	51.23	74	-22.77	peak
7224	40.27	-0.95	39.32	54	-14.68	AVG

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

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	UAK TESTINIS
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2408	106.29	-5.84	100.45	114	-13.55	peak
2408	82.44	-5.84	76.6	94	-17.4	AVG
4816	53.26	-3.64	49.62	74	-24.38	peak
4816	43.88	-3.64	40.24	54	-13.76	AVG
7224	53.17	-0.95	52.22	74	-21.78	peak
7224	41.87	-0.95	40.92	54	-13.08	AVG

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### CH Middle (2442MHz)

### Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре
2442	109.12	-5.71	103.41	114	-10.59	peak
2442	79.74	-5.71	74.03	94	-19.97	AVG
4884	54.26	-3.51	50.75	74	-23.25	peak
4884	42.87	-3.51	39.36	54	-14.64	AVG
7326	52.62	-0.82	51.8	74	-22.2	peak
7326	41.98	-0.82	41.16	54	-12.84	AVG

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

### Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits where	Margin	Detector
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре
2442	108.05	-5.71	102.34	114 rsm6	-11.66	peak
2442	81.41	-5.71	75.7	94	-18.3	AVG
4884	56.37	-3.51	52.86	74	-21.14	peak
4884	44.87	-3.51	41.36	54	-12.64	AVG
7326	52.96	-0.82	52.14	74	-21.86	peak
7326	41.15	-0.82	40.33	54	-13.67	AVG

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

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CH High (2475MHz)

### Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2475	103.05	-5.65	97.4	114	-16.6	peak
2475	82.42	-5.65	76.77	94	-17.23	AVG
4950	56.66	-3.43	53.23	74	-20.77	peak
4950	44.56	-3.43	41.13	54	-12.87	AVG
7425	51.27	-0.75	50.52	74	-23.48	peak
7425	42.57	-0.75	41.82	54	-12.18	AVG

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

### Vertical:

ter ding uV)	Factor (dB)	Emission Level	Limits	Margin	Detector
(VL	(dB)	Gange		1000	
		(dBµV/m)	(dBµV/m)	(dB)	Detector Type
.68	-5.65	100.03	114	-13.97	peak
73	-5.65	77.08	94	-16.92	AVG
68	-3.43	53.25	74	-20.75	peak
24	-3.43	39.81	54	-14.19	AVG
98	-0.75	56.23	74	-17.77	peak
22	-0.75	39.47		-14.53	AVG
	22	22 -0.75	22 -0.75 39.47	22 -0.75 39.47 54	

Remark: Factor = Antenna Factor + Cable Loss – 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.

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### Page 19 of 26

### 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 1MHz and VBM to 3MHz to measure the peak field strength and set RBW to 1MHz and VBW to 10Hz to measure the average radiated field strength.

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### .0. 163116

### 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	56.29	-5.81	50.48	74	-23.52	peak
2310	TISTIC OF	-5.81	STING /	54	Ing	AVG
2390	55.88	-5.84	50.04	74	-23.96	peak
2390	1	-5.84	/	54	/	AVG
2400	54.17	-5.84	48.33	m <sup>©</sup> 74	-25.67	peak
2400	HUAR	-5.84	HUAN	54	8-31	AVG

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	57.22	-5.81	51.41	74	-22.59	peak
2310	NTE/MG	-5.81	STAG / KTET	<sup>NG</sup> 54	KTESTING	AVG
2390	56.37	-5.84	50.53	74	-23.47	peak
2390	1	-5.84	1	54	m <sup>yG</sup> /	AVG
2400	55.49	-5.84	49.65	74	-24.35	peak
2400	/	-5.84	/	54	/	AVG

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

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### Operation Mode: TX CH High (2475MHz) Horizontal (Worst case)

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2483.50	55.24	-5.65	49.59	74	-24.41	peak
2483.50	1	-5.65	1	54	K TESTING	AVG
2500.00	53.21	-5.65	47.56	74	-26.44	peak
2500.00	/	-5.65	/	54	NG I	AVG

Vertical:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detectury
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2483.50	56.29	-5.65	50.64	74	-23.36	peak
2483.50	1	-5.65	O HIM	54	1	AVG
2500.00	55.67	-5.65	50.02	74	-23.98	peak
2500.00	HUAKTESTIN	-5.65	STANS HUAK TEST	54	A TESTINA	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.

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### 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=51KHz. VBW= 150 KHz, Span=8MHz.
  - 4. The useful radiated emission from the EUT was detected by the spectrum analyzer with peak detector.

### 6.3. Measurement Equipment Used

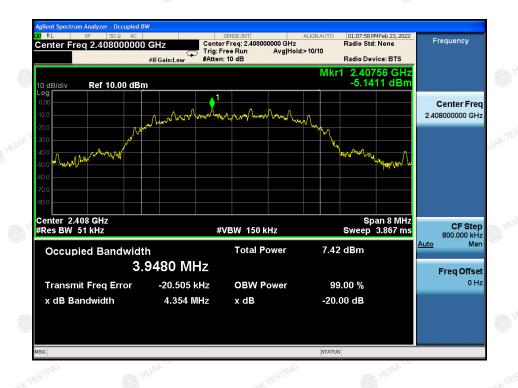
Same as Radiated Emission Measurement

### 6.4. Test Result

### PASS

20dB Bandwidth	
(MHz)	Result
4.354	PASS
4.355	PASS
4.356	PASS
	(MHz) 4.354 4.355

CH: 2408MHz



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### CH: 2442MHz



CH: 2475MHz



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### 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 External Antenna, which have non-standard antenna jack. It conforms to the standard requirements. The directional gains of antenna used for transmitting is 3dBi.

### ANTENNA



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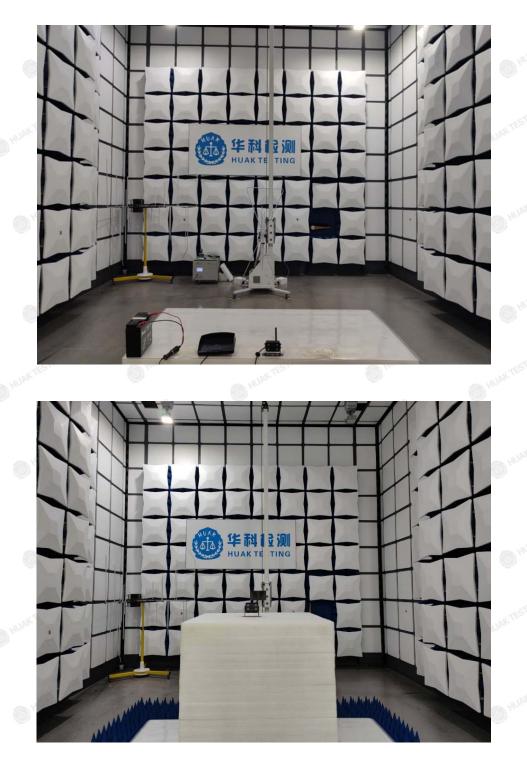


Page 25 of 26

Report No.: HK2202170429-E

### 8. PHOTOGRAPH OF TEST

Radiated Emission



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### 9. PHOTOS OF THE EUT

Reference to the report: ANNEX A of external photos and ANNEX B of internal photos.

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

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