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FCC Report

FCC ID: 2AP5Z-L4X

Product: Camera Autodolly

Model No.: L4X

Additional Model No.: N/A

Trade Mark: YELANGU

Report No.: FCC17110988A

Issued Date: Nov. 07, 2018

Issued for:

Shenzhen Yelangu Technology Co., Ltd

Floor 2 Building.D KaiHuiMao Industrial Park LiYuan Road FuHai Town Bao'an
District Shenzhen Guangdong, China

Issued By:

World Standardization Certification & Testing Group Co.,Ltd.

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1.GENERAL INFORMATION





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Product:	Camera Autodolly
Model No.:	L4X W5 97 W519 W519
Additional	N/A
Model:	X X X
Applicant:	Shenzhen Yelangu Technology Co., Ltd
Address:	Floor 2 Building.D KaiHuiMao Industrial Park LiYuan Road FuHai Town Bao'an
	District Shenzhen Guangdong, China
Manufacturer:	Shenzhen Yelangu Technology Co., Ltd
Address:	Floor 2 Building.D KaiHuiMao Industrial Park LiYuan Road FuHai Town Bao'an
ATTITUD	District Shenzhen Guangdong, China
Data of receipt:	March 06, 2018
Date of Test:	May 20, 2018 to June 08, 2018
Applicable	FCC CFR Title 47 Part 15 Subpart C Section 15.249
Standards:	AUSTIN AUSTIN AUSTIN
	Model No.: Additional Model: Applicant: Address: Manufacturer: Address: Data of receipt: Date of Test: Applicable

The above equipment has been tested by World Standardization Certification & Testing Group Co., Ltd. and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Tested By:	PuShixi	Date: Nov. 07, 2018	
	(Pu Shixi)		

Check By: Qin Shuiquan

(Qin Shuiquan)

Approved By: (Wang Fengbing)

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Date: (0) . 5) . 0

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1.1GENERAL DESCRIPTION OF EUT:

	Product	Camera Autodolly
	Model No.	L4X
_	Brand Name	YELANGU WSET WSET WSET
	Hardware version:	N/A
	Software version:	N/A WSCT WSCT WSCT
	Extreme Temp. Tolerance	-10℃ to +65℃
	information:	Li-ion Battery:PL112856 Nominal voltage:3.7V Limited voltage:4.20 Rated Capacity:1800mAh Wireless delivery:button cell 3.0V.
/	Operating Frequency	2401-2479MHz W577 W577
	Channels	27
	Channel Spacing	3MHz
_	Modulation // 5/ Type	GFSK W5
	Antenna Type:	Integral Antenna
/	Antenna gain:	2.0dBi
	Deviation	None
	Condition of Test Sample	Normal
	TACK!	ET WEET WEET WEET

Model difference:

N/A

WSET WSET WSET WSET WSE

W5CT W

T WSET

<u> WSCI</u>

WSET)

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1.2. FACILITIES AND ACCREDITATIONS

All measurement facilities used to collect the measurement data are located at Building A-B, Baoshi Science & Technology Park, Baoshi Road, Bao'an District, Shenzhen, Guangdong, China of the World Standardization Certification & Testing Group CO., LTD, 518108

FCC Registration Number: 366353

The data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C 63.10:2013. The sample tested as described in this report is in compliance with the FCC Rules Part15 Subpart C.

ALL the testing were referenced KDB NO.453039

The test results of this report relate only to the tested sample identified in this report.

1.3. ACCREDITATIONS

Our laboratories are accredited and approved by the following approval agencies according to ISO/IEC 17025.

USA NVLAP (The certificate registration number is NVLAP LAB CODE:600142-0)

VCCI (The certificate registration number is C-4790, R-3684, G-837)

Canada INDUSTRY CANADA

(The certificated registration number is 7700A-1)

China CNAS (The certificated registration number is L3732)

Copies of granted accreditation certificates are available for downloading from our web site, http://www.wsct-cert.com

2. TEST DESCRIPTION

2.1MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $\mathbf{y} \pm \mathbf{U}$, where expended uncertainty \mathbf{U} is based on a standard uncertainty multiplied by a coverage factor of $\mathbf{k=2}$, providing a level of confidence of approximately 95 % $^{\circ}$

,	No.	Item	Uncertainty
	1	Conducted Emission Test	±3.2dB
<u></u>	2	RF power,conducted	±0.16dB
	3	Spurious emissions,conducted	±0.21dB
	4	All emissions,radiated(<1G)	±4.7dB
	5	All emissions,radiated(>1G)	±4.7dB
	6	Temperature	±0.5°C
1	7	Humidity	±2%

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2.2 DESCRIPTION OF TEST MODES

The system was configured for testing in engineering mode, which was provided by the manufacturer. The engineering mode was configured under maximum power output and switched the channels by keys.

27 channels were provided by the manufacturer.

	W5E		Channe	el List	NSET.	W/5
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
	01	2401	10	2431	21	2461
5	02	2404	11	2434	22	2464
	03	2407	12	2437	23	2467
	04	2410	13	2440	24	2470
	05	2413	14	2443	25	2473
	06	2416	15	2446	26	2476
×	07	2419	16	2449	27	2479
	08	2422	17	2452		
5.	09	2425	18	2455		SLT
	10	2428	19	2458		

	Test Mode	List	WISE WISE
	Test Mode	Description	Remark
	TM1	Low Channel	2401MHz
/	TM2	Middle Channel	2440MHz
	5 / TM3	High Channel	2479MHz/5/7

Note:

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- (1) The measurements are performed at the highest, middle, lowest available channels.
- (2) Record the worst case of each test item in this report.

WSET WSET WSET WSET

WSET WSET

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2.3 CONFIGURATION OF SYSTEM UNDER TEST

WSET WSET WSET

TET WSET

W5ET

(EUT: Camera Autodolly)

EUT

WSET"

W5E7

2.4 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

5	Item	Equipment	Model No.	ID or Specification	Remark
	1	//		1/	/

Note:

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- (1) All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- (2) Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

WSCT WSCT WSCT WSCT

WSET WSET WSET WSET

WSET WSET WSET WSET

WSCT WSCT WS

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3. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part15 (15.249), Subpart C					
Standard Section	Test Item	Judgment	Remark		
§15.203	Antenna Requirement	PASS			
§15.207	Conducted Emission	N/A			
§15.249 (a)	Field Strength of Fundamental	PASS			
§15.249 (a) (d)/ §15.209	Spurious Emissions	PASS			
§15.249 (d)/ §15.205	Band Edge	PASS	W514		
§15.215 (c)	20dB Occupied Bandwidth	PASS			

Note:

1. Pass: Test item meets the requirement.

2. Fail: Test item does not meet the requirement.

3. N/A: Test case does not apply to the test object.

4. The test result judgment is decided by the limit of test standard.

WSET	WSET	WSET	WSET	W5E1
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WSET* WS	\times	\times	X	SCT [®]
WSET* WS	WSET*	WSET	WSET W	W5ET
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4. MEASUREMENT INSTRUMENTS

_	AW3L/						74
	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibrated	Calibrated until	
	EMI Test Receiver	R&S	ESCI	100005	2017-08-19	2018-08-18	
ů	LISNW5ET	Mestec W5	AN3016	04/10040	2017-08-19	2018-08-18	
	Coaxial cable	Megalon	LMR400	C001	2017-08-19	2018-08-18	×
	System Controller	СТ	SC100	011208	2017-08-19	2018-08-18	
	Bi-log Antenna	SUNOL Sciences	JB3 [7]	A021907	2017-09-13	2018-09-12	7
	Spectrum Analyzer	R&S	FSU	100114	2017-08-19	2018-08-18	
	Horn Antenna	SCHWARZBECK	9120D	1141	2017-08-19	2018-08-18	
	Loop Antenna	EMCO W5	6502	00042960	2017-08-19	2018-08-18	
	Pre Amplifier	H.P.	HP8447E	2945A02715	2017-10-13	2018-10-12	
	Pre-Amplifier	CDSI	PAP-1G18-38	7621	2017-10-13	2018-10-12	X
,	9*6*6 Anechoic	SAEMC	L×W×H 9×6×6	A002	2017-08-21	2018-08-20	7
	RF cable	H+S	SUCOFLEX 102	R002	2017-08-19	2018-08-18	
	Horn Antenna	SCHWARZBECK	BBHA 9170	1123	2017-08-19	2018-08-18	

WSET	WSET	WSET	WSLT	WSET
WSET WS				CT .
WSET	WSET	WSET	WSLT	WSET
WSET WS		WS	ET W-	TT.
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5. ANTENNA REQUIREMENTS

According to FCC Part 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 shall be considered sufficient to comply with the provisions of this section.

5.2 Test Result

This product has an PCB antenna, fulfill the requirement of this section.

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6. CONDUCTED EMISSIONS MEASUREMENT

6.1 POWER LINE CONDUCTED EMISSION LIMITS (Frequency Range 150KHz-30MHz)

	Conducted limit (dBµV)	
Frequency of emission (MHz)	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

	Receiver Parameters	W5C7 Setting 5C7	1
/	Attenuation	10 dB	
	Start Frequency	0.15 MHz	
	Stop Frequency	30 MHz	
	IF Bandwidth	W5/9 kHz	

	WSET	WSET	WSET	WSET	WSET
WSET	WSET	WSET	\times	$\langle \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	
	WSET	WSET	WSET	WSET	WSET
WSLT	WSET	WSET	\times	$\langle \hspace{0.1cm} \rangle$	
	X	W5CT	WSET	WSET	WSET
in the state of th	rification & Page 1	X	X	\times	

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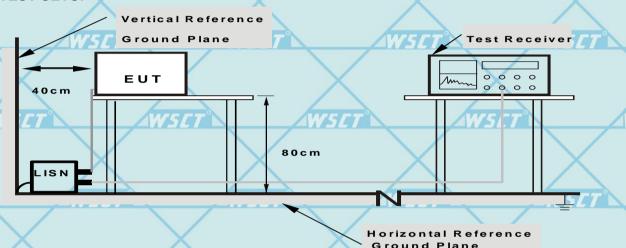


6.2 TEST PROCEDURE

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- a. The EUT was placed 0.4 meters from the horizontal ground plane with EUT being connected wsct-cert.com to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item -EUT Test Photos.

6.3 TEST SETUP



from other units and other metal

6.4ENVIRONMENTAL CONDITIONS

Temperature:	24 °C
Relative Humidity:	60 %
ATM Pressure:	1012 mbar

6.5 TEST RESULTS

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The EUT is supplied by button cell, so Conducted Emission is not applicable.

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7. RADIATED EMISSION MEASUREMENT

7.1 APPLIED PROCEDURES / LIMIT

7.1 RADIATED EMISSION LIMITS

According to §15.249(a), the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

Fundamental Frequency	Field strength of fundamental (milli-volts/meter)	Field strength of Harmonics (micro-volts/meter)
902-928 MHz	50	500
2400-2483.5 MHz	W57750	W5/7° 500
5725-5875 MHz	50	500
24.0-24.25 GHz	250	2500

As per FCC§15.249 (c), Field strength limits are specified at a distance of 3 meters.

(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.

	Frequencies	Field Strength	Measurement Distance
	(MHz)	(micorvolts/meter)	(meters)
	0.009~0.490	2400/F(KHz)	300
И	0.490~1.705	24000/F(KHz)	30
	1.705~30.0	30	30
	30~88	100	3
	88~216	150	3
	216~960	200	3
/	Above 960	500	3

The emission limit in this paragraph is based on measurement instrumentation employing an average detector. The provisions in §15.35 for limiting peak emissions apply. Spurious Radiated Emissions measurements starting below or at the lowest crystal frequency.

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 Section 15.209, whichever is the lesser attenuation.

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7.2 TEST EQUIPMENT SETUP

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During the radiated emission test, the EMI test receiver & Spectrum Analyzer Setup were set with the following configurations:

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	5_7° W_1000 MHz W5_7°
Stop Frequency	10th carrier harmonic
RB / VB (emission in restricted band)	1MHz / 1MHz for Peak, 1 MHz / 10Hz for Average

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP // 5 / 7
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

7.3 TEST PROCEDURE

- a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- f. For the actual test configuration, please refer to the related Item -EUT Test Photos.

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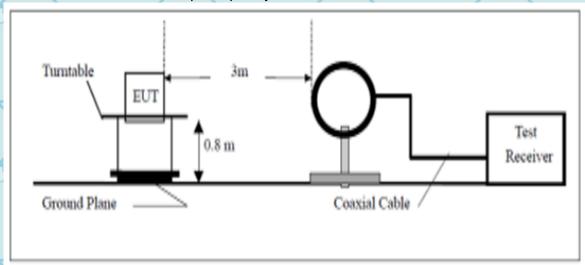
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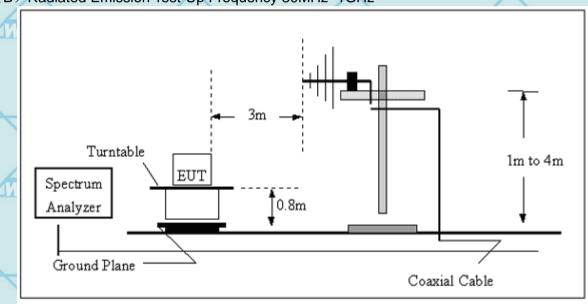
7.4 TEST SETUP

(A) Radiated Emission Test-Up Frequency Below 30MHz



WELL

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



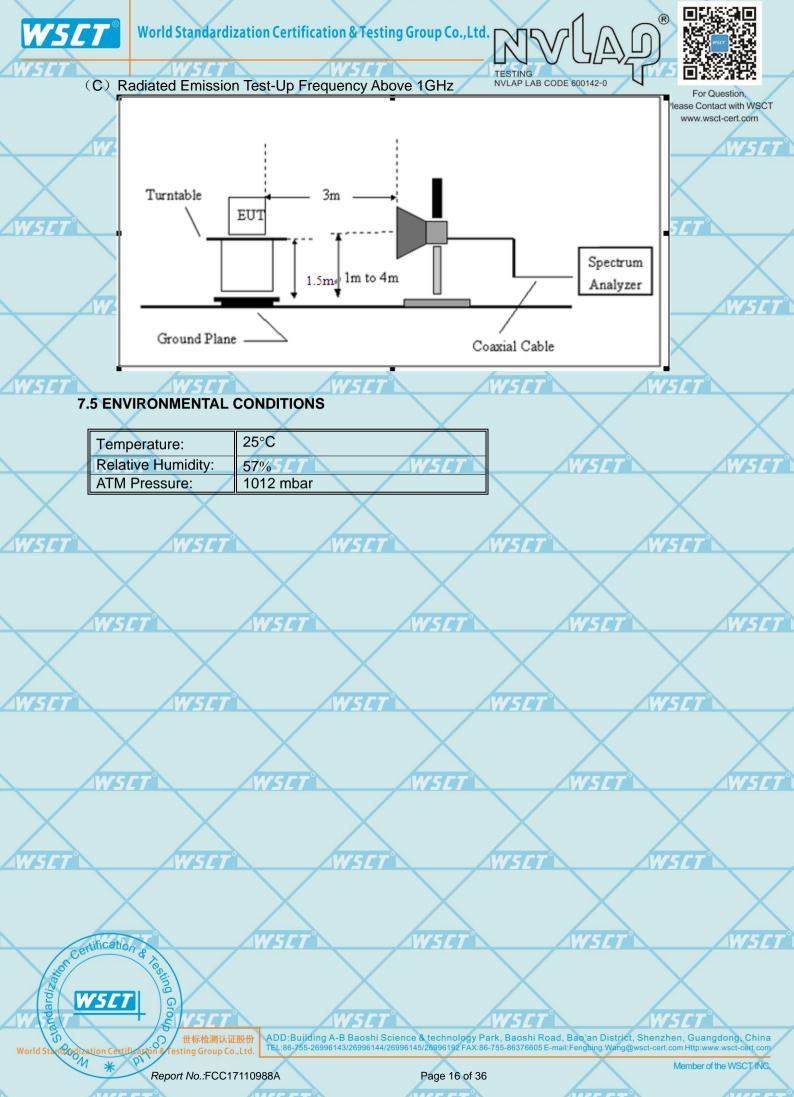
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7.6 TEST RESULTS

Field Strength of Fundamental

1	WSFT°		WSET		WSF7°		VS-ET®	
	Frequency	Reading	Correct	Emission	Limit	Margin	Polar	Detector
		X	Factor	Level		X		X
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	H/V	
_	2401	94.39	-8.67	85.72	114	-28.28	н	PK
	2401	90.61	-8.67	81.94	94	-12.06	Н	AV
	2440	93.96	-8.4	85.56	114	-28.44	Ŧ	PK
4	2440	90.02	V5-8.4	81.62	V5/94°	-12.38	VSEH®	AV V
	2479	92.29	-8.25	84.04	114	-29.96	Н	PK
	2479	91.20	-8.25	82.95	94	-11.05	Н	AV
_	2401	93.67	-8.67	85.00	114	-29.00	V	/5/PK
	2401	90.91	-8.67	82.24	94	-11.76	V	AV
	2440	94.81	-8.4	86.41	114	-27.59	V	PK
1	2440	91.82	-8.4	83.42	94	-10.58	verV°	AV
	2479	94.47	-8.25	86.22	114	-27.78	V	PK
	2479	91.75	-8.25	83.50	94	-10.50	V	AV

Note:

Correction Factor= Antenna Factor + Cable loss - Pre-amplifier; Emission Level=Peak Reading + Correction Factor; Margin=Emission Level - Limit.

WSET WSET WSET W	<u> 5<i>ET</i></u>
WSET WSET WSET	
\times	501
WSET WSET WSET WSET	
\times	× 501

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Spurious Emissions

FrequencyRange (9 kHz-30MHz)

1	Freq.	Emission Level	Emission Level Limit		State
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F
					Р
	W54			W5L/ Name	Wall
7					

Note:

esting Group Co.,Ltd.

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 Emission Level=Reading+ Cable loss-Antenna factor-Amp factor
 The emission levels are 20 dB below the limit value, which are not reported. It is deemed to comply with therequirement.

WSET	WSET	WSET	WSET	WSET	
WSE			ET WS		SET
WSET	WSET	WSET	WSET	WSET	
WSE		ET° W5	$\langle \hspace{0.1cm} \rangle$		SET
WSET	WSET	WSET	WSET	WSET	
WSL			ET WS		SET [®]
WSET	WSET	WSET	W5ET*	WSET	
\rightarrow			$\langle \hspace{0.1cm} \rangle$		SET
Certification	* Arealing Gr	X	X		

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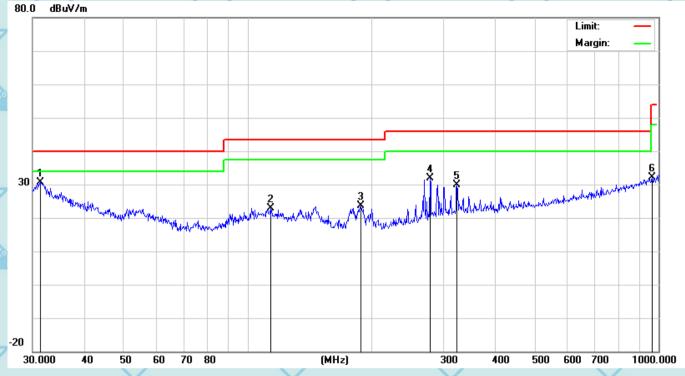
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Frequency Range (30MHz-1000MHz)





No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	TA.
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	*	31.3992	26.35	4.26	30.61	40.00	-9.39	QP
2,	1	113.7143	25.23	-2.23	23.00	43.50	-20.50	QP
3	•	189.0743	30.70	-7.18	23.52	43.50	-19.98	QP
4	2	278.0668	35.20	-3.31	31.89	46.00	-14.11	QP
45	4	323.3204	31.93	-2.08	29.85	46.00	-16.15	QP
6	9	965.5421	25.55	6.70	32.25	54.00	-21.75	QP

WSET WSET WSET WSET

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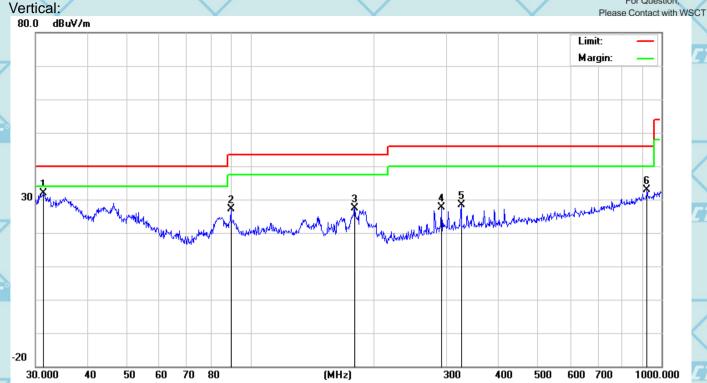
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No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Tal.	,
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	
1	*	31.3992	27.69	4.26	31.95	40.00	-8.05	QP	
2	All	89.5899	33.01	-5.96	27.05	43.50	-16.45	QP	J.
3	1	179.3863	34.36	-7.00	27.36	43.50	-16.14	QP	
4	2	291.0360	30.35	-2.68	27.67	46.00	-18.33	QP	
L 5		325.5958	30.41	-1.94	28.47	46.00	-17.53	QP	
6	9	22.5157	26.80	5.96	32.76	46.00	-13.24	QP	

Note:

Measurements were conducted in all channels (high, middle, low), and the worst case (low channel) was submitted

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Frequency Range (Above 1G)

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									th WS
	Frequency	Reading	Correct	Emission	Limit	Margin	Polar	Detector-cert	
1	WELT		Factor	Level	VELT		VELT	A.	75/
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	H/V		
		\times		Low Channe	el-2401MHz	\vee		\times	
	4802	55.13	-1.29	53.84	74	-20.16	Н	PK	
	4802	40.37	-1.29	39.08	54	-14.92	H /	75/AV°	
	7203	50.62	6.51	57.13	74	-16.87	H	PK	
	7203	30.01	6.51	36.52	54	-17.48	XΗ	AV	X
						,		/	
Δ	4802	55.81	-1.29	54.52	V5.74°	-19.48	VSEV°	PK //	151
	4802	39.93	-1.29	38.64	54	-15.36	V	AV	
	7203	44.78	6.51	51.29	74	-22.71	V	PK	
	7203	31.73	6.51	38.24	54	-15.76	V	AV	
7		WSET		Middle Chani	nel-2440MHz	VSET \		VS ET I	
	4880	57.68	-0.98	56.70	74	-17.30) H	PK	
	4880	43.61	-0.98	42.63	54	-11.37	Хн	AV	X
	7320	44.69	6.83	51.52	74	-22.48	Н	PK /	# P
	7320	33.95	6.83	40.78	54	-13.22		AV	F7
	4880	56.46	-0.98	55.48	74	-18.52	V	PK	
	4880	44.10	-0.98	43.12	54	-10.88	V	AV	
_	7320	45.58	6.83	52.41	74	-21.59	V	PK	i e
	7320	29.57	6.83	36.40	54	-17.60	V	AV	/
				High Chann	el-2479MHz				
	4958	57.36	-0.8	56.56	v = 74	-17.44	V5/H	PK	75
	4958	41.03	-0.8	40.23	54	-13.77	Н	AV	
	7437	44.15	6.94	51.09	74	-22.91	Н	PK	
	7437	32.02	6.94	38.96	54	-15.04	Н	AV	
		WSET		NSCT°		VSET"		V5/7°	
	4958	56.75	-0.8	55.95	74	-18.05	V	PK	
	4958	40.76	-0.8	39.96	54	-14.04	V	AV	X
	7437	43.15	6.94	50.09	74	-23.91	V	PK	
_	7437	30.40	6.94	37.34	1 5 54	-16.66	V5LV°	AV	75

Note:

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1.Correction Factor= Antenna Factor + Cable loss - Pre-amplifier; Emission Level=Peak Reading + Correction Factor; Margin=Emission Level - Limit.

The emission levels of other frequencies are very lower than the limit and not show in test report.

3. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency.

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OUT OF BAND EMISSION

	Frequenc	Reading	Correct	Emission	Limit	Margin	Polar	Detector	
	у		Factor	Level					l
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	H/V		l
0		WSET		Low Channe	el-2401MHz	WSET		WSET	
	2390	66.01	-8.73	57.28	74	-16.72	H	PK	l
	2390	49.18	-8.73	40.45	54	-13.55	Ĥ	AV	ĺ
	2390	69.84	-8.73	61.11	74	-12.89	W VIT	PK	Ì
/	2390	47.62	-8.73	38.89	54	-15.11	V	AV	
	High Channel-2479MHz								l
0	2483.5	66.34	-8.17	58.17	74	-15.83	Н	PK	l
	2483.5	47.55	-8.17	39.38	54	-14.62	H	AV	
	2483.5	67.07	-8.17	58.90	74	-15.10	V	PK	ĺ
	2483.5	49.16	-8.17	40.99	54	-13.01	V	AV	
	MARK FT	No.			LACE PT				

Note:

- 1.Correction Factor= Antenna Factor + Cable loss Pre-amplifier; Emission Level=Peak Reading + Correction Factor; Margin=Emission Level Limit.
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.
- 3. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency.

WSE	7° W5E	7° W5	E7°	W5ET°	WSET
WSET	WSET	WSET	WSET	WSET	
WSE	$\langle \hspace{0.1cm} \rangle$			W5ET°	WSET
WSET	WSET	WSET	WSET	WSET	
Certification	$\langle \hspace{0.1cm} \rangle$			WSET	WSET
Cermonion	2				

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8. 20DB OCCUPIED BANDWIDTH

8.1 STANDARD APPLICABLE

According to 15.215 (c), intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated. The requirement to contain the designated bandwidth of the emission within the specified frequency band includes the effects from frequency sweeping, frequency hopping and other modulation techniques that may be employed as well as the frequency stability of the transmitter over expected variations in temperature and supply voltage. If a frequency stability is not specified in the regulations, it is recommended that the fundamental emission be kept within at least the central 80% of the permitted band in order to minimize the possibility of out-of-band operation.

8.2 TEST PROCEDURE

- 1. According to the follow Test-setup, keep the relative position between the artificial antenna and the EUT.
- 2. Set to the maximum power setting and enable the EUT transmit continuously.
- 3. Use the following spectrum analyzer settings for 20dB Bandwidth measurement.
- Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel;
- RBW ≥ % of the 20dB bandwidth; VBW ≥ RBW; Sweep = auto; Detector function = peak; Trace = max hold.
- 4. Measure and record the results in the test report.

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o		T E	JΙ	20		U	Г.

rtification

EUT	SPECTRUM
	ANALYZER

8.4 ENVIRONMENTAL CONDITIONS

Temperature:	22°C	X
Relative Humidity:	58%	
ATM Pressure:	1012 mbar	WSIT

WSET WSET

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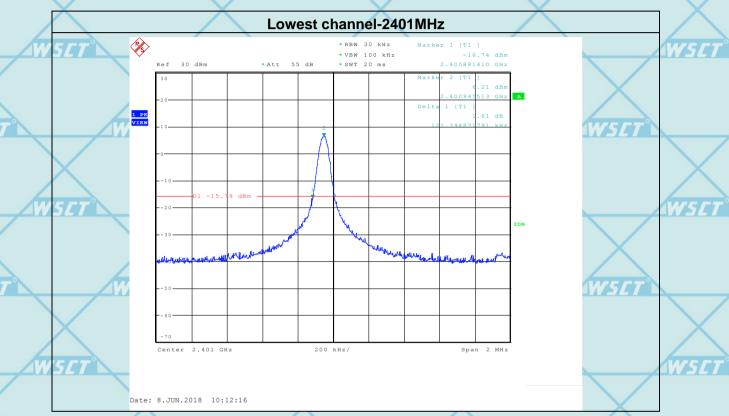




8.5TEST RESULTS

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4	VSET Frequency WSET	20dB Bandwidth (kHz)	Result	7.5/4
	2401 MHz	121.79	PASS	
	2440MHz	128.21	PASS	
1	2479 MHz	W55 112.18	PASS W541	

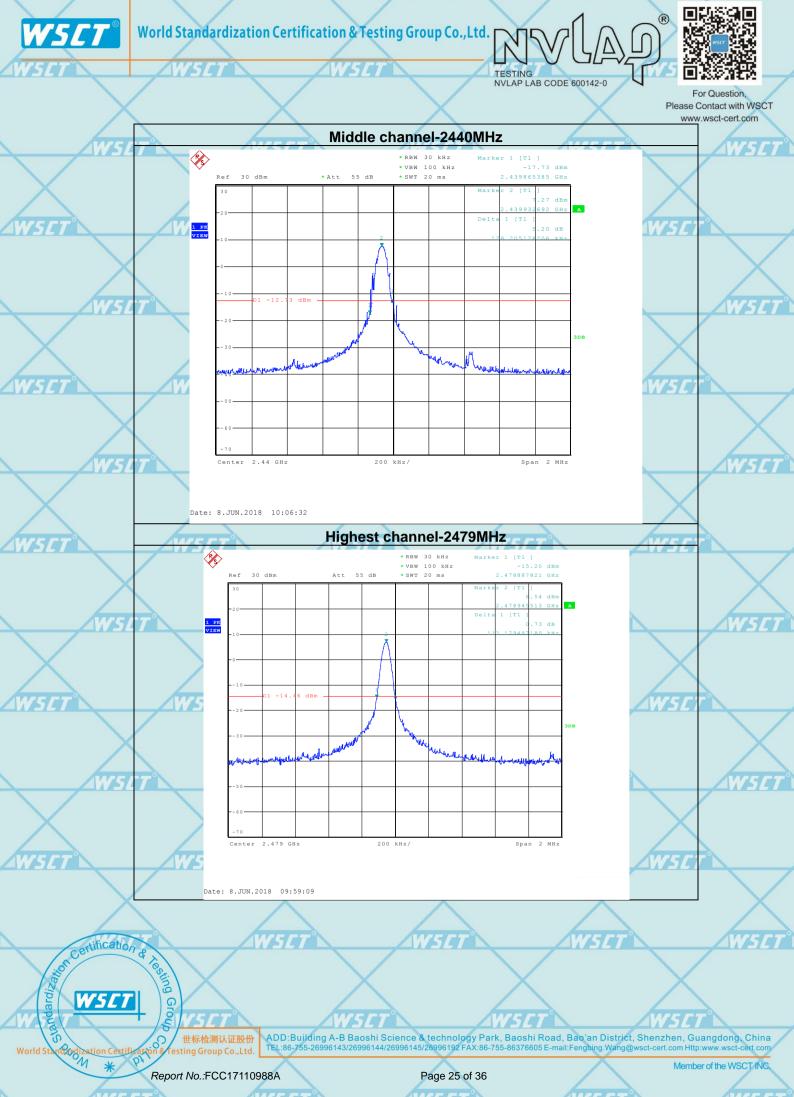




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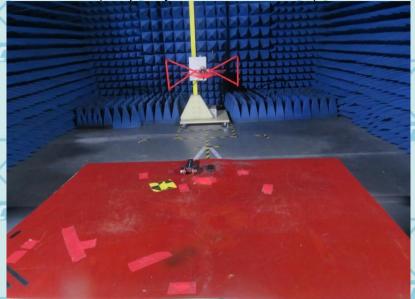
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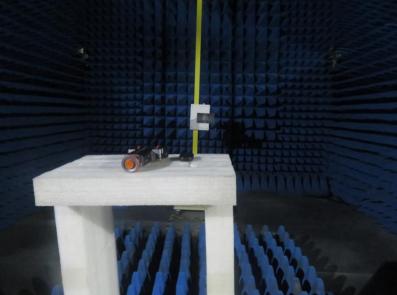
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9. EUT TEST PHOTO

RADIATED EMISSION TEST (Frequency from 30MHz to 1GHz)



RADIATED EMISSION TEST (Frequency above 1GHz)



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10.PHOTOGRAPHS OF EUT

Appearance photograph of EUT

WSET

WSET

WSET

Appearance photograph of EUT

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Appearance photograph of EUT

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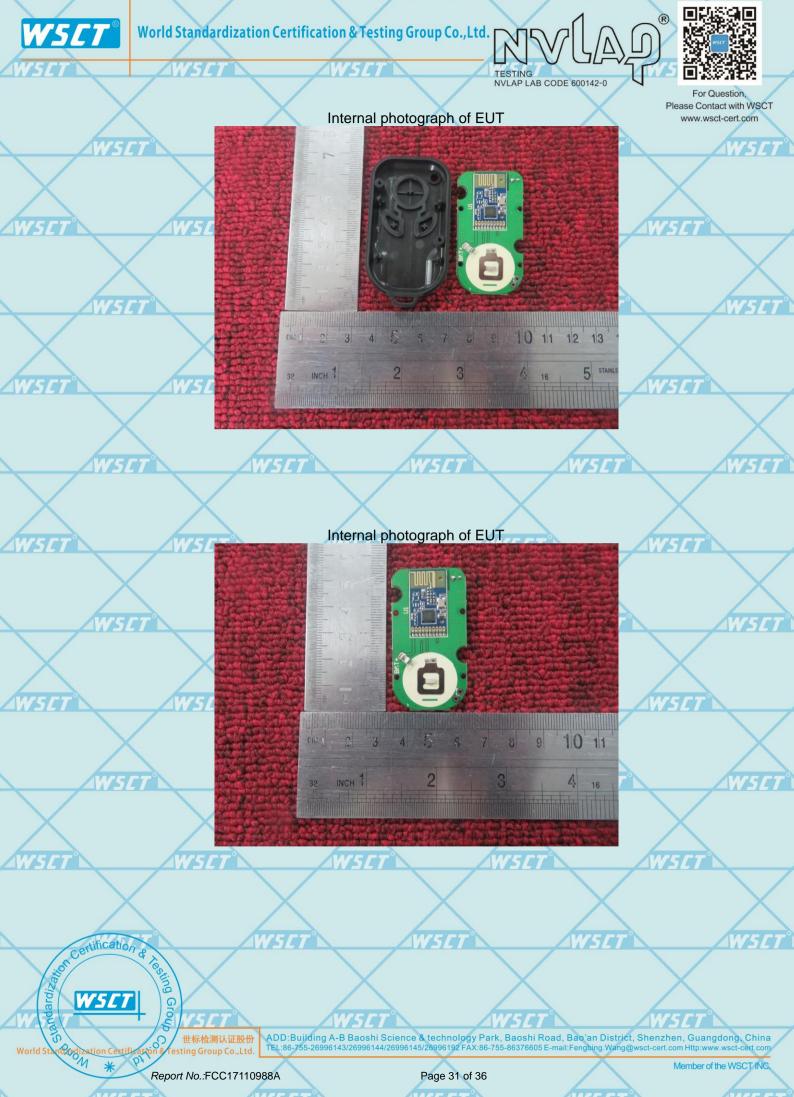
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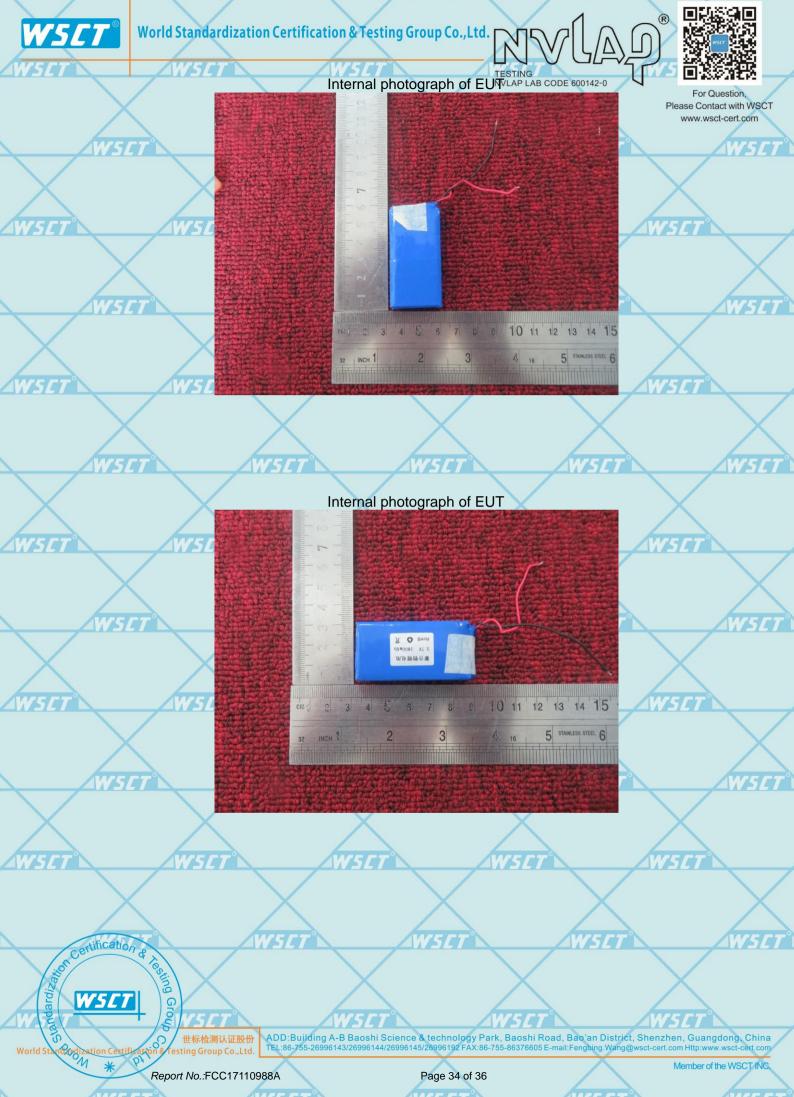


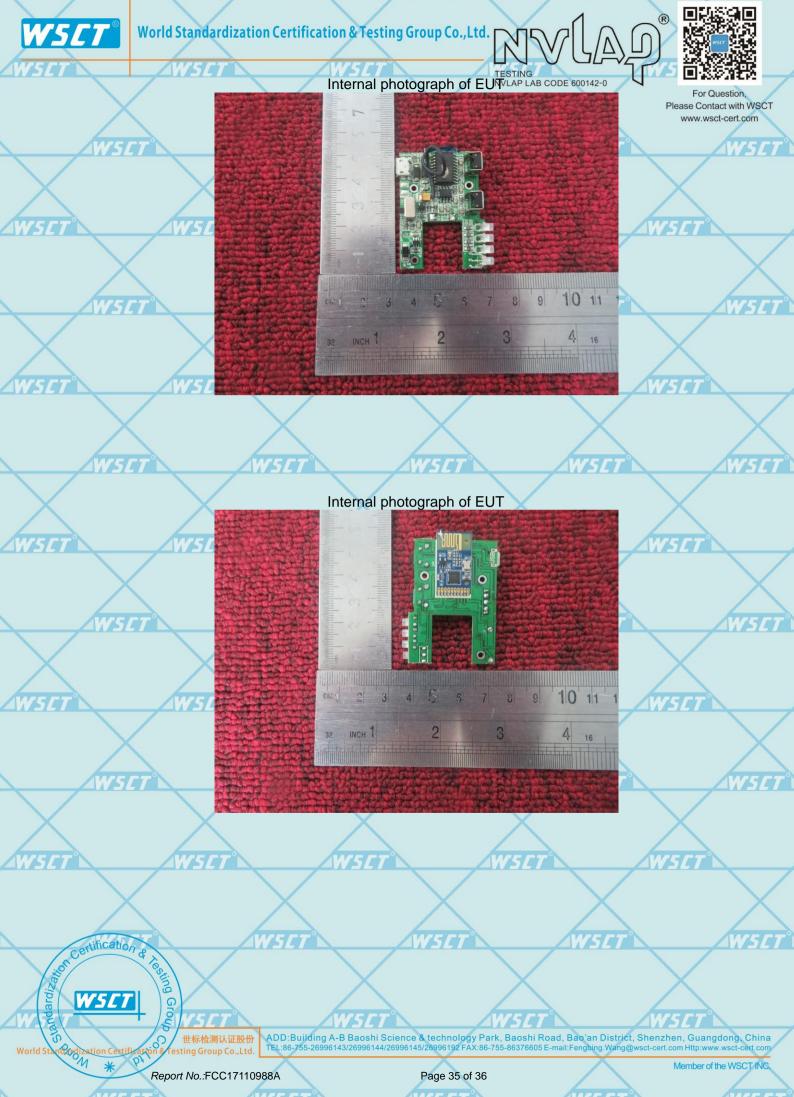


















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Internal photograph of EUT

Internal photograph of EUT

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