



TEST REPORT

FCC ID: 2AABZ-DCBPTX

Product: Deity Connect

Model No.: Deity Connect BP-TX

Additional Model No.: N/A

Trade Mark:

DEITY

Report No.: WSCT-R&E-19020022A

Issued Date: Mar. 11, 2019

Issued for:

Aputure Imaging Industries Co. Ltd

3rd Floor, Building 21, Longjun industrial estate, Longhua, Bao'an, Shenzhen,
P.Shenzhen, China

Issued By:

World Standardization Certification & Testing Group Co., Ltd.

Building A-B, Baoshi Science & Technology Park, Baoshi Road, etilicatio

Bao'an District, Shenzhen, Guangdong, China

TEL: +86-755-26996192

FAX: +86-755-86376605

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WSET





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1. GENERAL INFORMATION

A7773/3/3/3/A					
Product:	Deity Connect				
Model No.:	Deity Connect BP-TX				
Additional	NIA				
Model:	N/A				
Applicant:	Aputure Imaging Industries Co. Ltd				
Address:	3rd Floor, Building 21, Longjun industrial estate, Longhua, Bao'an, Shenzhen, P.Shenzhen, China				
Manufacturer:	Aputure Imaging Industries Co. Ltd				
Address:	3rd Floor, Building 21, Longjun industrial estate, Longhua, Bao'an, Shenzhen, P.Shenzhen, China				
Data of receipt	Jan. 25, 2019				
Date of Test:	Jan. 25, 2019 to Mar. 08, 2019				
Applicable Standards:	FCC CFR Title 47 Part 15 Subpart C Section 15.247				
Test procedure:	KDB 558074 D01 15.247 Meas Guidance v05r01				
The shows equip	ment has been tested by World Standardization Cortification & Testing Group Co				

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.

Date: Mat. 11, 201 Pu Shixi Tested By: (Pu Shixi)

ain Shuiguan Check By:

Date: Man . 1

(Qin Shuiguan)

Approved By:

(Wang Fengbing)

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		TESTING III SON	200
1.1	GENERAL DES	CRIPTION OF EUT NVLAP LAB CODE 600142-0 For Question	
	Equipment Type:	Deity Connect Please Contact w www.wsct-ce	
	Test Model:	Deity Connect BP-TX	75
	Additional Model:	N/A	
	Trade Mark	DEITY	
	Applicant:	Aputure Imaging Industries Co. Ltd	
	Address:	3rd Floor, Building 21, Longjun industrial estate, Longhua, Bao'an, Shenzhen, P.Shenzhen, China	\rangle
	Manufacturer:	Aputure Imaging Industries Co. Ltd	75
	Address:	3rd Floor, Building 21, Longjun industrial estate, Longhua, Bao'an, Shenzhen, P.Shenzhen, China	
	Hardware version:	V2.2	
	Software version:	Deity Connect BP-TX	
	Extreme Temp. Tolerance:	-10℃ to +55℃	
/	Battery information:	Li-Polymer Battery: JMD 805053 Voltage: 3.7V Rated Capacity: 2200mAh Limited Charge Voltage: 4.4V	V5
	Adapter Information:	N/A WSET WSET WSET	
	Operating Frequency	2406-2474MHz	

Channel Spacing	4MHz
-----------------	------

18

Frequency Channels

	CH1	2406	CH7	2430	CH13	2454
	CH2	2410//5/	CH8	2434	CH14	2458
Channel list	CH3	2414	CH9	2438	CH15	2462
(MHz)	CH4	2418	CH10	2442	CH16	2466
	CH5	2422	CH11	2446	CH17	2470
	CH6	2426	CH12	2450	CH18	2474
Modulation Type shaped-2FSK, shaped-8FSK				X		

Version N/A

Antenna Type: Integral Antenna

Antenna gain: ANT1: 0.39dBi, ANT2: 2.2dBi

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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.

The sites are constructed in conformance with the requirements of ANSI C63.4 and CISPR Publication 22. All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

Registration Number: 366353

1.2.1 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) Japan (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

1.2.2 TEST DESCRIPTION

1.2.2 1MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement y ±U, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of **k=2**, providing a level of confidence of approximately 95 %。

	No.	Item	Uncertainty
	1 _	Conducted Emission Test	±3.2dB
_	2	RF power,conducted	±0.16dB
/	3	Spurious emissions,conducted	±0.21dB
\	4	All emissions,radiated(<1G)	±4.7dB
L	5	All emissions,radiated(>1G)	±4.7dB W5ET
	6	Temperature	±0.5°C
	7	Humidity	±2%

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1.3 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

	Modulation type	Mode	5
9	shaped-2FSK	Mode 1 Mode 2 Mode 2 Mode 4	
`	shaped-8FSK	Mode 1、Mode 2、Mode 3、Mode 4	

Pretest Mode	Description		
Mode 1	CH01		
Mode 2	WSET CH10WSET W		
Mode 3	CH18		
Mode 4	Normal Hopping		

1	•	For Conducted Emission	0
	Final Test Mode	Description	
	Mode 4	Normal Hopping	W

<	For Radiated Emission					
A	Final Test Mode	Description				
	Mode 1	CH01				
	Mode 2	CH10				
	Mode 3	CH18				
	Mode 4	Normal Hopping				

Note:

- (1) The measurements are performed at the highest, middle, lowest available channels.
- (2) The data rate was set in 1Mbps for radiated emission due to the highest RF output power.
- (3) Record the worst case of each test item in this report.
- (4) The out power and circuit of ANT1 and ANT2 were totally the same except the antenna, so only list ANT1 conducted test date in this report.

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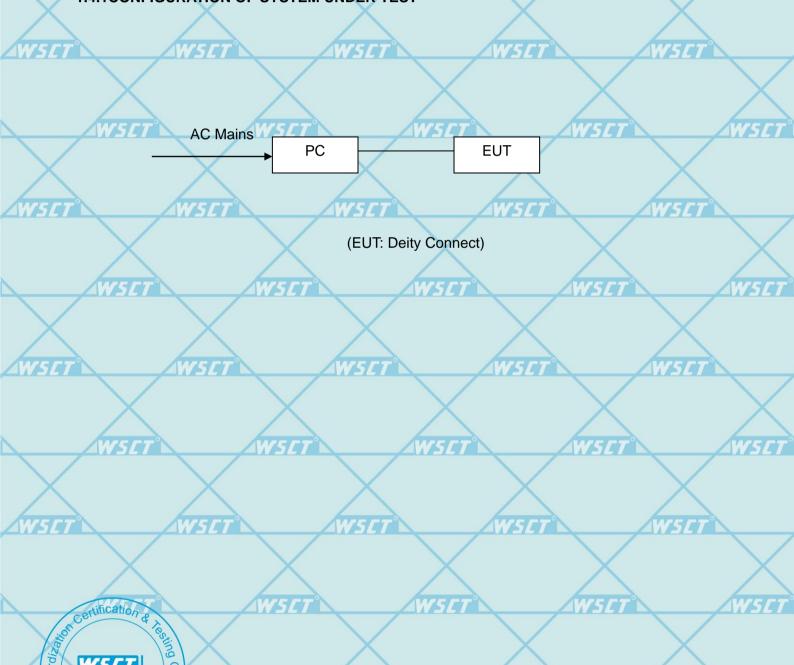
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1.4 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters of FHSS

	Test software Version		N/A		
_	WSLI	WSLT	W	5LT \	AWSET"
	Frequency	2406 MHz	2442 MHz	2474 MHz	
	Parameters(shaped-8	X	X	X	
	FSK)	DEF	DEF	DEF	

1.4.1CONFIGURATION OF SYSTEM UNDER TEST



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1.5 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)

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

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
1	PC	WSCT	Think pad	1	WSIT

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.
- (3) "YES" is means "shielded" "with core"; "NO" is means "unshielded" "without core".

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				SET WS	
WSET	WSET	W5ET*	W5ET*	WSET	
				\times	LT.
WSET	WSET	WSET	W5ET°	WSET	
W5	CT WS		SET W	ISET WS	LIT'
WSET	WSET	WSET	W5ET°	WSLT	
		$\langle \hspace{0.1cm} \rangle$		VSET WS	u
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2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

	FCC Part15 (15.247), Subpart (KDB 558074 D01 15.247 Meas Guidance		
Standard Section	Test Item	Judgment	Remark
15.207	Conducted Emission	PASS	X
15.247(a)(1)	Hopping Channel Separation	PASS	SET
15.247(b)(1)	Peak Output Power	PASS	\times
15.247(c)	Radiated Spurious Emission	PASS	WS
15.247(a)(iii)	Number of Hopping Frequency	PASS	
15.247(a)(iii)	Dwell Time	PASS	
15.247(a)(1)	Bandwidth	PASS	
15.247(d)	100kHz Band Edges	PASS	X
15.205	Band Edge Emission	V 5 PASS	W5.
15.203	Antenna Requirement	PASS	X

NOTE:

- (1)" N/A" denotes test is not applicable in this test report.
- (2) The manufacture declare the equipment comply with the all the technical requirements in 15.247(g). 15.247(h).

The equipment are not required to employ all available hopping channels during each transmission.it can be presented with a continuous data (or information) stream. the equipment can recognize other users within the spectrum band so that it individually and independently chooses and adapts its hopsets to avoid hopping on occupied channels.

(3) The power and modulation type of ANT1 and ANT2 were totally the same, and only one antenna Working in the same time, so only list the worst antenna test result in this report.

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3. MEASUREMENT INSTRUMENTS

					W D L I		74
	NAME OF EQUIPMENT	MANUFACTURER	MODEL	SERIAL NUMBER	Calibration Date	Calibration Due.	
7	EMI Test Receiver	R&S	547ESCI	100005	08/19/2018	08/18/2019	
	LISN	AFJ	LS16	16010222119	08/19/2018	08/18/2019	X
	LISN(EUT)	Mestec	AN3016	04/10040	08/19/2018	08/18/2019	
/	Universal Radio Communication Tester	R&S	CMU 200	1100.0008.02	08/19/2018	08/18/2019	1
	Coaxial cable	Megalon	LMR400	N/A	08/19/2018	08/18/2019	
7	GPIB cable	Megalon	GPIB	N/A	08/19/2018	08/18/2019	
	Spectrum Analyzer	R&S	FSU	100114	08/19/2018	08/18/2019	
	Pre Amplifier	H.P.	HP8447E	2945A02715	10/13/2018	10/12/2019	×
	Pre-Amplifier	CDSI	PAP-1G18-38		10/13/2018	10/12/2019	5 A
/	Bi-log Antenna	SUNOL Sciences	JB3	A021907	09/13/2018	09/12/2019	
	9*6*6 Anechoic		X		08/21/2018	08/20/2019	
7	Horn Antenna	COMPLIANCE ENGINEERING	5 CE18000	WSET	09/13/2018	09/12/2019	
	Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-631	08/23/2018	08/22/2019	
	Cable	TIME MICROWAVE	LMR-400	N-TYPE04	04/25/2018	04/24/2019	^
	System-Controller	vccs 7°	N/A <i>W5L</i>	N/A	N.C.R	N.C.R	7/
/	Turn Table	ccs	N/A	N/A	N.C.R	N.C.R	
\	Antenna Tower	ccs	N/A	N/A	N.C.R	N.C.R	
7	RF cable W5	Murata	MXHQ87WA3000	W.SET	08/21/2018	08/20/2019	
	Loop Antenna	EMCO	6502	00042960	08/22/2018	08/21/2019	×
	Horn Antenna	SCHWARZBECK	BBHA 9170	1123	08/19/2018	08/18/2019	
	Power meter	Anritsu	ML2487A	6K00003613	08/23/2018	08/22/2019	5//
	Power sensor	Anritsu	MX248XD		08/19/2018	08/18/2019	

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4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 POWER LINE CONDUCTED EMISSION Limits (Frequency Range 150KHz-30MHz)

FREQUENCY (MHz)	Conducted	Conducted	
FREQUENCT (MITZ)	Quasi-peak	Quasi-peak	limit (dBµV)
0.15 -0.5	66 - 56 *	56 - 46 *	FCC
0.50 -5.0	56.00	46.00	FCC
5.0 -30.0	60.00	50.00	FCC

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	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

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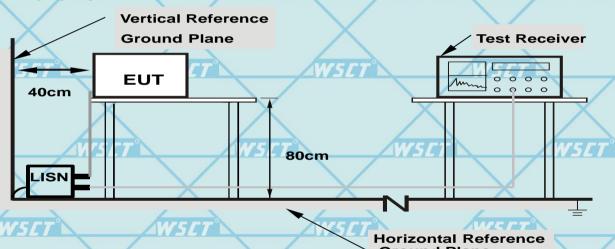
4.1.2 TEST PROCEDURE

- a. The EUT was placed 0.4 meters from the horizontal ground plane with EUT being connected 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.

4.1.3 DEVIATION FROM TEST STANDARD

No deviation

4.1.4 TEST SETUP



Note: 1.Support units were connected to second LISN.

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

4.1.5 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

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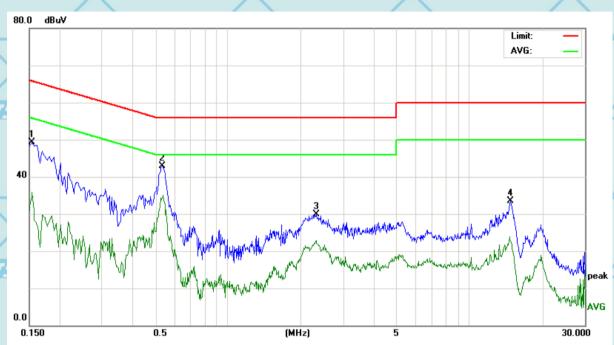


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4.1.6TEST RESULTS

Temperature	26 ℃	Relative Humidity	54% www.ws	ct-cert.cor
Pressure	1010hPa <i>V5ET</i> W5 <i>E</i>	Voltage	120V/60Hz	AW!
Test Mode	Mode 4			

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\	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBuV	dB	dBuV	dBuV	dB	Detector
7.	1		0.1539	38.87	10.41	49.28	65.78	-16.50	peak
	2	*	0.5340	32.37	10.47	42.84	56.00	-13.16	peak
	3		2.3100	19.30	10.66	29.96	56.00	-26.04	peak
	4		14.7500	22.44	11.05	33.49	60.00	-26.51	peak

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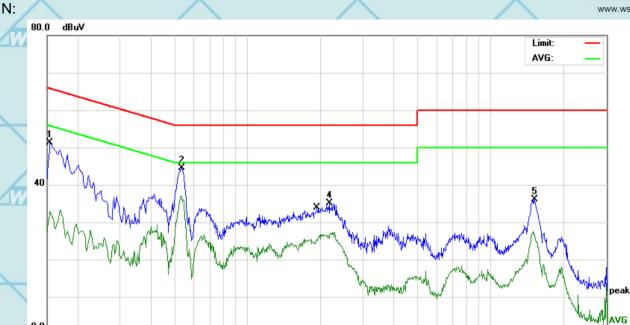
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	of sells sub-		27.4 18.40		201772	and the sales will be			
. V	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBuV	dB	dBuV	dBuV	dB	Detector
\	1		0.1539	40.87	10.41	51.28	65.78	-14.50	peak
	2	*	0.5380	33.95	10.47	44.42	56.00	-11.58	peak
V	3		1.9580	-10.65	10.65	0.00	46.00	-46.00	AVG
	4		2.1700	24.40	10.66	35.06	56.00	-20.94	peak
	5		15.2260	25.03	11.06	36.09	60.00	-23.91	peak

(MHz)

Note: 1.All the modes have been investigated, and only worst mode is presented in this report. 2.Over=Reading Level+ Correct Factor - Limit.

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4.2 RADIATED EMISSION MEASUREMENT

4.2.1Radiated Emission Limits (Frequency Range 9kHz-1000MHz)

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies	Field Strength	Measurement Distance
(MHz)	(micorvolts/meter)	(meters)
0.009~0.490	2400/F(KHz)	300
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	W5L1 3 W.
Above 960	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

FREQUENCY (MHz)	Limit (dBu\	//m) (at 3M)
PREQUENCY (MIDZ)	PEAK	AVERAGE
Above 1000	W5C74	W5 [T 54 W.

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (emission in restricted band)	1MHz / 1MHz for Peak, 1 MHz / 1Hz for Average
band)	

Receiver Parameter	Setting
Attenuation	75ET W5Auto W5ET
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

W5ET

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4.2.2 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.

Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

4.2.3 DEVIATION FROM TEST STANDARD No deviation	WSET WSET WSET
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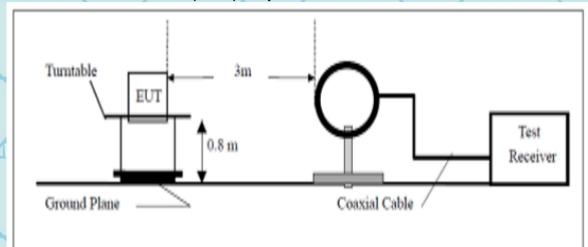
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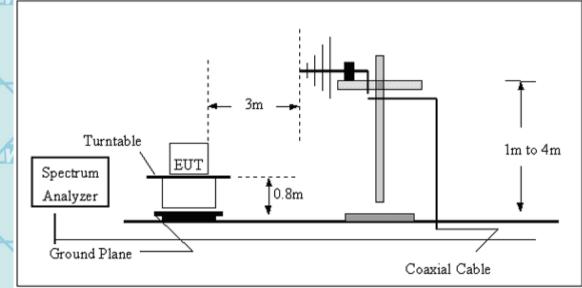


4.2.4 TEST SETUP

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



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



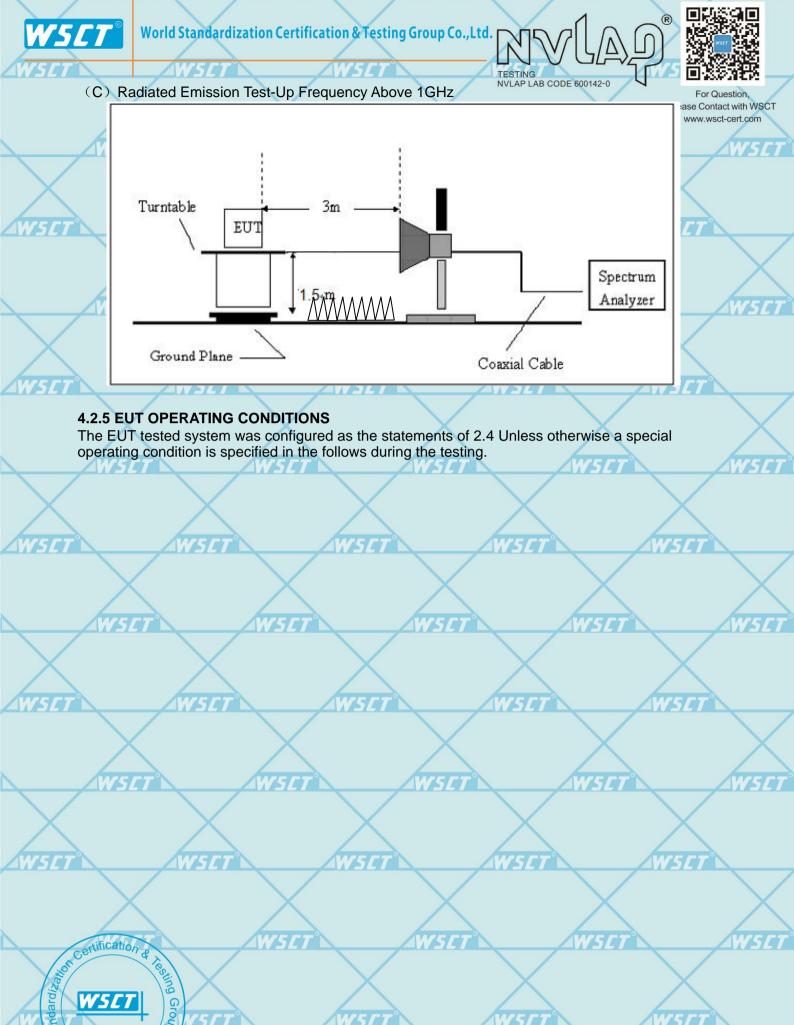
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TESTING NVLAP LAB CODE 600142-0



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4.2.5.1 RESULTS (Below 30 MHz)

Test Mode	Mode 1/ Mode 2/ Mode 3	Polarization	Horizontal / Vertical
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa		X
i lessure	1010111 a		

						_
/	Freq.	Reading	Limit	Margin	State	
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F	
		/	_	/	Р	
	WSCT N	W5ET	W5ET*	/W5	7 P	V5L

NOTE:

No result in this part for margin above 20dB.

Distance extrapolation factor =40 log (specific distance/test distance)(dB);

Limit line = specific limits (dBuV) + distance extrapolation factor.

All the x/y/z orientation has been investigated, and only worst case is presented in this report.

	W5CT [®]	W5ET*	WSET	WSET	WSET
WSL	$\langle \hspace{0.1cm} \rangle$	$\langle \hspace{0.1cm} \rangle$			SET
	WSLT	WSLT	WSLT	WSET	WSET
WSI					SET
	WSLT	WSET	WSET	WSET	WSET
WSI					SET
		WSET	WSET	WSET	WSET
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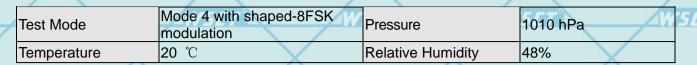
esting Group Co.,Ltd.







4.2.5.2 TEST RESULTS (Between 30M - 1000 MHz)





No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	THE S
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	*	54.0711	42.37	-5.51	36.86	40.00	-3.14	QP
_2	1	58.4074	41.64	-6.02	35.62	40.00	-4.38	QP
3		66.9668	38.80	-6.76	32.04	40.00	-7.96	QP
4	! '	122.9455	41.68	-3.04	38.64	43.50	-4.86	QP
4 5	1	132.5000	40.51	-3.75	36.76	43.50	-6.74	QP
6	! :	233.3487	47.70	-5.48	42.22	46.00	-3.78	QP



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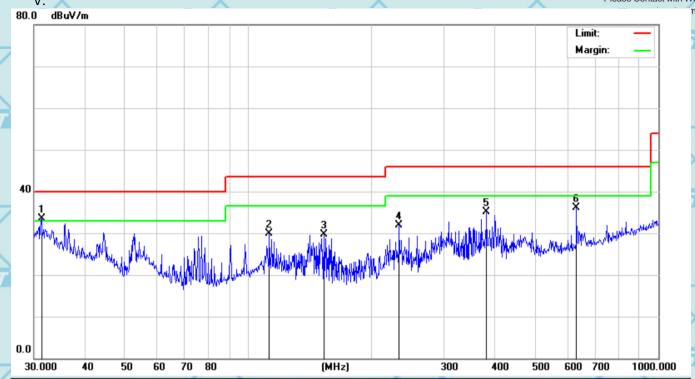
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No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	* /	31.2893	29.16	4.29	33.45	40.00	-6.55	QP
2	All	112.5241	31.93	-2.11	29.82	43.50	-13.68	QP
3	•	152.6639	34.80	-5.16	29.64	43.50	-13.86	QP
4	2	233.3487	37.29	-5.48	31.81	46.00	-14.19	QP
L 5	4	381.2485	36.36	-1.19	35.17	46.00	-10.83	QP
6	6	531.6884	34.36	1.67	36.03	46.00	-9.97	QP

Note: 1.All the modes have been investigated, and only worst mode is presented in this report. 2.Over=Reading Level+ Correct Factor - Limit.



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4.2.5.3 TEST RESULTS(1GHz to 25GHz)

ANT1:

Pressure	1010 hPa	Test Mode	Mode 1 TX
Temperature	20 ℃	Relative Humidity	48%

	Freq. (MHz)	Ant.Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
		H/V	PK	ΑÝ	PK	ÁV	PK	AV
1	4812	V	59.44	40.26	√ 5 74°	54	-14.56	-13.74
	7218	V	59.39	40.96	74	54	-14.61	-13.04
	4812	H	59.48	40.20	74	54	-14.52	-13.80
	7218	H	58.25	39.25	74	54	-15.75	-14.75

Remark: All emissions not reported were more than 20dB below the specified limit or in the noise floor.

Pressure	1010 hPa	Test Mode	Mode 2 TX
Temperature	20 ℃	Relative Humidity	48%

	Freq.	Ant.Pol.	Emission Level(dBuV)		Limit		Over(dB)	
	(MHz)				3m(dE	BuV/m)		
		H/V	PK	AV	PK	AV	PK	AV
	4884	V	59.21	41.71	74	54	-14.79	-12.29
_	7326	5 L V	58.46	39.05	74	54	-15.54	-14.95
	4884	Н	58.70	40.05	74	54	-15.30	-13.95
	7326	Н	59.58	40.58	74	54	-14.42	-13.42

Remark: All emissions not reported were more than 20dB below the specified limit or in the noise floor.

Pressure	1010 hPa	Test Mode	Mode 3 TX
Temperature	20 ℃	Relative Humidity	48%

	Freq. (MHz)	Ant.Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
	(IVII IZ)	H/V	PK	AV	PK	AV	PK	AV
Ī	4948	V	58.72	41.95	74	54	-15.28	-12.05
	7422	V	58.67	40.99	74	54	-15.33	-13.01
	4948	H/\\	59.41	39.18	74	54	-14.59	-14.82
	7422	Ĥ	59.93	40.93	74	54	-14.07	-13.07

Remark: All emissions not reported were more than 20dB below the specified limit or in the noise floor.



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ANT2:

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			www.wsct-cen
Pressure	1010 hPa	Test Mode	Mode 1 TX
Temperature	20 °C	Relative Humidity	48%

Freq.	Ant.Pol.	Emission		Limit		Over(dB)	
(MHz)	SET	Level(dBuV)		3m(dBuV/m)		WSIT	
	H/V	PK	AV	PK	AV	PK	AV
4812	V	59.38	40.15	74	54	-14.62	-13.85
7218	V	59.75	41.03	74	54	-14.25	-12.97
4812	H	59.24	40.28	74	54	-14.76	-13.72
7218	H	58.46	39.24	74	54	-15.54	-14.76

Remark: All emissions not reported were more than 20dB below the specified limit or in the noise floor.

Pressure	1010 hPa	Test Mode	Mode 2 TX
Temperature	20 °C /W5€7	Relative Humidity	48% W5CT

Ī	Freq.	Ant.Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)		
1	(MHz)	H/V	5 PK	AV	PK	AV /	PK	AV	
	4884	V	59.76	41.70	74	54	-14.24	-12.30	
Ī	7326	V	58.39	39.14	74	54	-15.61	-14.86	
	4884	Ŧ	58.62	40.17	74	54	-15.38	-13.83	
	7326	S E H	59.55	40.16	74	54	-14.45	-13.84	

Remark: All emissions not reported were more than 20dB below the specified limit or in the noise floor.

Pressure	1010 hPa	Test Mode	Mode 3 TX
Temperature	20 °C	Relative Humidity	48%

Freq.	Ant.Pol.	Emission Level(dBuV)		Limit		Over(dB)	
(MHz)	X	X		3m(dBuV/m)		X	
4	H/V	PK	AV	PK /	AV	PK	AV
4948	26 V	58.79	41.78	74	54	-15.21	-12.22
7422	V	58.52	40.91	74	54	-15.48	-13.09
4948	Н	59.33	39.26	× 74	54	-14.67	-14.74
7422	H /	59.46	40.50	74	54	-14.54	-13.50

Remark: All emissions not reported were more than 20dB below the specified limit or in the noise floor.

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4.2.5.4 TEST RESULTS (Restricted Bands Requirements)

For Question, Please Contact with WSCT www.wsct-cert.com

ANT1 Test result for 1Mbps Mode:

Polarization	Vertical	\vee	Test Mode	TX /Mode1(CH01)
Temperature	20 ℃		Relative Humidity	48%
Pressure	1010 hPa	SET		WSET

Meter Reading	Factor	Emission Level	Limits	Margin	Detector
(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Type
61.04	-8.76	52.28	74	21.72	peak
56.41	-8.76	47.65	54	6.35	AVG
60.63	-8.73	51.90	W747	22.10	peak
57.29	-8.73	48.56	54	5.44	AVG
	Reading (dBµV) 61.04 56.41 60.63	Reading (dBµV) (dB) 61.04 -8.76 56.41 -8.76 60.63 -8.73	Reading Factor Level (dBμV) (dB) (dBμV/m) 61.04 -8.76 52.28 56.41 -8.76 47.65 60.63 -8.73 51.90	Reading Factor Level Limits (dBμV) (dB) (dBμV/m) (dBμV/m) 61.04 -8.76 52.28 74 56.41 -8.76 47.65 54 60.63 -8.73 51.90 74	Reading Factor Level Limits Margin (dBμV) (dB) (dBμV/m) (dBμV/m) (dB) 61.04 -8.76 52.28 74 21.72 56.41 -8.76 47.65 54 6.35 60.63 -8.73 51.90 74 22.10

Factor = Antenna Factor + Cable Loss - Pre-amplifier.

All the x/y/z orientation has been investigated, and only worst case is presented in this report.

Polarization	Horizontal	Test Mode	TX /Mode1(CH01)
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa		WSG

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	
2384	62.36	-8.76	53.60	74	20.40	peak
2384	56.21	-8.76	47.45	54	6.55	AVG
2390	63.89	-8.73	55.16	74	18.84	peak
2390	57.19	-8.73	48.46	54	5.54	AVG

Factor = Antenna Factor + Cable Loss - Pre-amplifier.

All the x/y/z orientation has been investigated, and only worst case is presented in this report.

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				For Question,
	Polarization	Vertical	Test Mode	TX /Mode 3(CH18) lease Contact with WSCT
	Temperature	20 ℃	Relative Humidity	48%
_	Pressure	1010 hPa		AW567 AV567

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	
2483.5	61.12	-8.17	52.95	74	21.05	peak
2483.5	54.92	-8.17	46.75	54	7.25	AVG

Remark:

Factor = Antenna Factor + Cable Loss - Pre-amplifier.

All the x/y/z orientation has been investigated, and only worst case is presented in this report.

Polarization	Horizontal W5	Test Mode	TX /Mode 3(CH18)
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa		X

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type	
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)		
2483.5	/5 63.15	-8.17//5	54.98	745 []	19.02	peak	
2483.5	53.19	-8.17	45.02	54	8.98	AVG	1

Remark:

Factor = Antenna Factor + Cable Loss - Pre-amplifier.

All the x/y/z orientation has been investigated, and only worst case is presented in this report.

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Test result for hopping mode:

Polarization	Vertical	Test Mode	hopping mode
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Type
2387	60.96	-8.76	52.20	74	21.80	peak
2387	56.39	-8.76	47.63	54	6.37	AVG
2390	63.07	-8.73	54.34	74	19.66	peak
2390	56.34	-8.73	47.61	54	6.39	AVG

Remark

Factor = Antenna Factor + Cable Loss - Pre-amplifier.

All the x/y/z orientation has been investigated, and only worst case is presented in this report.

Polarization	Horizontal	Test Mode	Hopping mode
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa		X

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Type
2387	63.09	-8.76	54.335	74	19.67	peak
2387	53.08	-8.76	44.32	54	9.68	AVG
2390	62.82	-8.73	54.09	74	19.91	peak
2390	57.14	-8.73	48.41	54	5.59	AVG

Remark:

Factor = Antenna Factor + Cable Loss - Pre-amplifier.

All the x/y/z orientation has been investigated, and only worst case is presented in this report.

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	Polarization	Vertical	Test Mode	Hopping mode-1Mpps Contact with Management Contact with C	h WSCT
	Temperature	20 ℃		48%	, , , , , , , , , , , , , , , , , , ,
_	Pressure	1010 hPa		ZWSLT	rsct

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	11214
2483.5	62.50	-8.17	54.33	74	19.67	peak
2483.5	54.88	-8.17	46.71	54	7.29	AVG

Remark:

Factor = Antenna Factor + Cable Loss - Pre-amplifier.

All the x/y/z orientation has been investigated, and only worst case is presented in this report.

		ALLET	
Polarization	Horizontal	Test Mode	Hopping mode-1Mbps
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa		

Meter Emission Frequency Factor Limits Margin Reading Level **Detector Type** (MHz) (dBµV) (dB) (dBµV/m) $(dB\mu V/m)$ (dB) 74 2483.5 62.51 -8.17 54.34 19.66 peak 2483.5 -8.17 8.37 53.80 45.63 54 **AVG**

Remark:

Factor = Antenna Factor + Cable Loss - Pre-amplifier.

All the x/y/z orientation has been investigated, and only worst case is presented in this report.

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ANT2 Test result for 1Mbps Mode:

Polarization	Vertical	Test Mode	TX /Mode1(CH01)
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa		×

\		Meter	W5EI	Emission	ZWSLT N		15L1 N
	Frequency	Reading	Factor	Level	Limits	Margin	Detector
	(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре
1	2387	61.46	-8.76	52.7	74	21.3	peak
	2387	56.55	-8.76	47.79	54	6.21	AVG
	2390	60.61	-8.73	51.88	74	22.12	peak
3	2390	57.37	-8.73	48.64	54	5.36	AVG

Remark:

Factor = Antenna Factor + Cable Loss - Pre-amplifier.

All the x/y/z orientation has been investigated, and only worst case is presented in this report.

Polarization	Horizontal	Test Mode	TX /Mode1(CH01)
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa		X

-							A DW S / A
	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	, , , , , , , , , , , , , , , , , , ,
_	2384	62.78 W	5 C -8.76	54.02/5/	74	19.98	peak
	2384	56.15	-8.76	47.39	54	6.61	AVG
	2390	63.39	-8.73	54.66	74	19.34	peak
\	2390	57.06	-8.73	48.33	54 5 7	5.67	AVG

Remark:

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

All the x/y/z orientation has been investigated, and only worst case is presented in this report.

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	Polarization	Vertical	Test Mode	TX /Mode 3(CH18) lease Contact with WSCT
	Temperature	20 ℃	Relative Humidity	48%
/	Pressure	1010 hPa		W5L7 V5L7

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	TIPI A
2483.5	61.09	-8.17	52.92	74	21.08	peak
2483.5	54.32	-8.17	46.15	54	7.85	AVG

Remark:

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

All the x/y/z orientation has been investigated, and only worst case is presented in this report.

Polarization	Horizontal W527	Test Mode	TX /Mode 3(CH18)
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa		X

/	MILL			W 5 /				ď
	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type	
	(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	2483.5	/5 63.44	-8.17//5	55.27	745 []	18.73	peak	
	2483.5	53.50	-8.17	45.33	54	8.67	AVG	1

Remark:

Factor = Antenna Factor + Cable Loss - Pre-amplifier.

All the x/y/z orientation has been investigated, and only worst case is presented in this report.

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Test result for hopping mode:

	AFF FT				
4	Polarization	Vertical	Test Mode	hopping mode	L
	Temperature	20 ℃	Relative Humidity	48%	
	Pressure	1010 hPa			

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Type
2387	60.46	-8.76	51.70	74	22.30	peak
2387	56.14	-8.76	47.38	54	6.62	AVG
2390	63.64	-8.73	54.91	74	19.09	peak
2390	56.37	-8.73	47.64	54	6.36	AVG

Remark

Factor = Antenna Factor + Cable Loss - Pre-amplifier.

All the x/y/z orientation has been investigated, and only worst case is presented in this report.

Polarization	Horizontal	Test Mode	Hopping mode
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa		X

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Type
2387	63.30 W	-8.76	54.545	74	19.46	peak
2387	53.31	-8.76	44.55	54	9.45	AVG
2390	62.04	-8.73	53.31	74	20.69	peak
2390	57.27	-8.73	48.54	54	5.46	AVG

Remark:

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Factor = Antenna Factor + Cable Loss - Pre-amplifier.

All the x/y/z orientation has been investigated, and only worst case is presented in this report.

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				For Question,	
	Polarization	Vertical	Test Mode	Hopping mode-1Mbpse Contact with V	WSCT
	Temperature	20 ℃	Relative Humidity		
4	Pressure	1010 hPa			5 <i>CT</i>

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	WEG
2483.5	62.23	-8.17	54.06	74	19.94	peak
2483.5	54.60	-8.17	46.43	54	7.57	AVG

Remark:

Factor = Antenna Factor + Cable Loss - Pre-amplifier.

All the x/y/z orientation has been investigated, and only worst case is presented in this report.

		ALLET	
Polarization	Horizontal	Test Mode	Hopping mode-1Mbps
Temperature	20 ℃	Relative Humidity	48%
Pressure	1010 hPa		

Meter Emission Frequency Factor Limits Margin Reading Level **Detector Type** (MHz) (dBµV) (dB) (dBµV/m) $(dB\mu V/m)$ (dB) 74 2483.5 62.49 -8.17 54.32 19.68 peak 2483.5 -8.17 45.18 8.82 53.35 54 **AVG**

Remark:

Factor = Antenna Factor + Cable Loss - Pre-amplifier.

All the x/y/z orientation has been investigated, and only worst case is presented in this report.

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5. NUMBER OF HOPPING CHANNEL

5.1 APPLIED PROCEDURES / LIMIT

	FCC Part15 (15.247) , Subpart C					
Section 5 Test Item 5 Lim			Limit	Frequency Range (MHz)	Result	
				(IVII IZ)		
	15.247 (a)(1)(iii)	Number of Hopping Channel	≥15	2400-2483.5	PASS	

Spectrum Parameters	Setting
Attenuation	Auto
Span Frequency	> Operating Frequency Range
RB	1MHz
VB	3MHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

5.1.1 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting: RBW= 1MHz, VBW=3MHz, Sweep time = Auto.

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP

EUT	SPECTRUM
	ANALYZER

5.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

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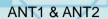




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5.2 TEST RESULTS

Number of	19 W5ET	Test Mode	Hopping Mode
Hopping Channel		TEST MODE	riopping wode
Temperature	25 ℃	Relative Humidity	60%
Pressure	1015 hPa		





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WSET WSET

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6. AVERAGE TIME OF OCCUPANCY

6.1 APPLIED PROCEDURES / LIMIT

J	FCC Part15 (15.247), Subpart C					
Section Test Item			Limit	Frequency Range (MHz)	Result	
	15.247	Average Time	V544 0 4000	2400 2482 5	DACC	
	(a)(1)(iii)	of Occupancy	0.4sec	2400-2483.5	PASS	

6.1.2 TEST PROCEDURE

- a. The EUT test port was connected to the spectrum analyzer with RF cable and antenna connector.
- b. Set RBW of spectrum analyzer to 1MHz and VBW to 3MHz.
- c. Use a video trigger with the trigger level set to enable triggering only on full pulses.
- d. Sweep Time is more than once pulse time.
- e. Set the center frequency on any frequency would be measure and set the frequency span to zero span.
- f. Measure the maximum time duration of one single pulse.
- g. Set the EUT for shaped-8FSK packet transmitting.
- h. Measure the maximum time duration of one single pulse.
- i. Dwell time = Pulse time*(pulse numbers in 7.2s observation time)

WSET .	W5ET	W5ET	W5ET	WSET
	EVIATION FROM STA	NDARD		$\langle \ \ \ \ \ \ \ \ \ \ \ \ \$
No devi	ation.	SET WS	W5	WSET
WSET	WSET	WSLT	W5ET*	WSET
WS	CT W	SET	WS	WSEI
WSET	WSET	WSLT	WSET	WSET

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6.1.4 TEST SETUP

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	7	d .	4	min s

EUT SPECTRUM ANALYZER

6.1.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

AW5ET

6.2 TEST RESULTS

Note: the worst case is 1Mbps as result in this part.

ET WSET

Pressure	1012 hPa	Test Mode	DH1-1Mbps
Temperature	25 ℃	Relative Humidity	60%

W5ET V

Time(S) Limits (S)

Data Packet	Frequency	Pulse time(ms)	Dwell Time(S)	Limits (S)
shaped-8FSK	2406MHz	0.62	0.322	0.4
shaped-8FSK	2442MHz W5/	0.56	75 7 0 .028	0.4
shaped-8FSK	2474MHz	0.66	0.343	0.4

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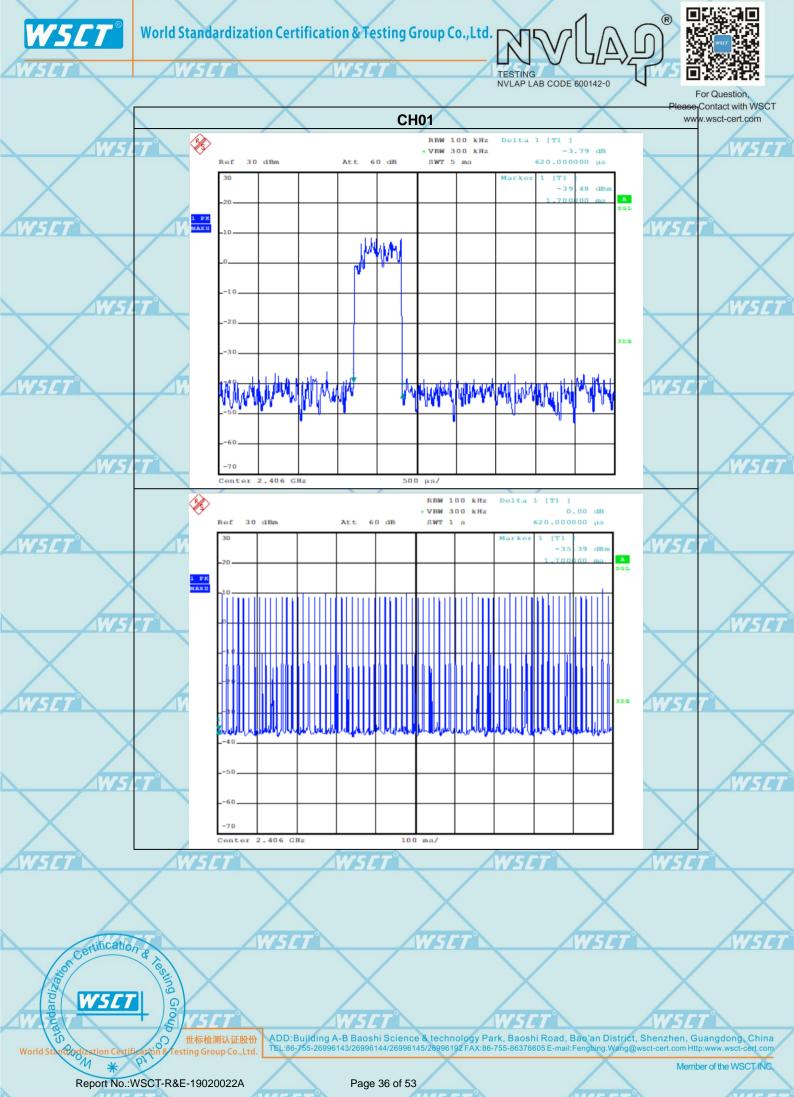
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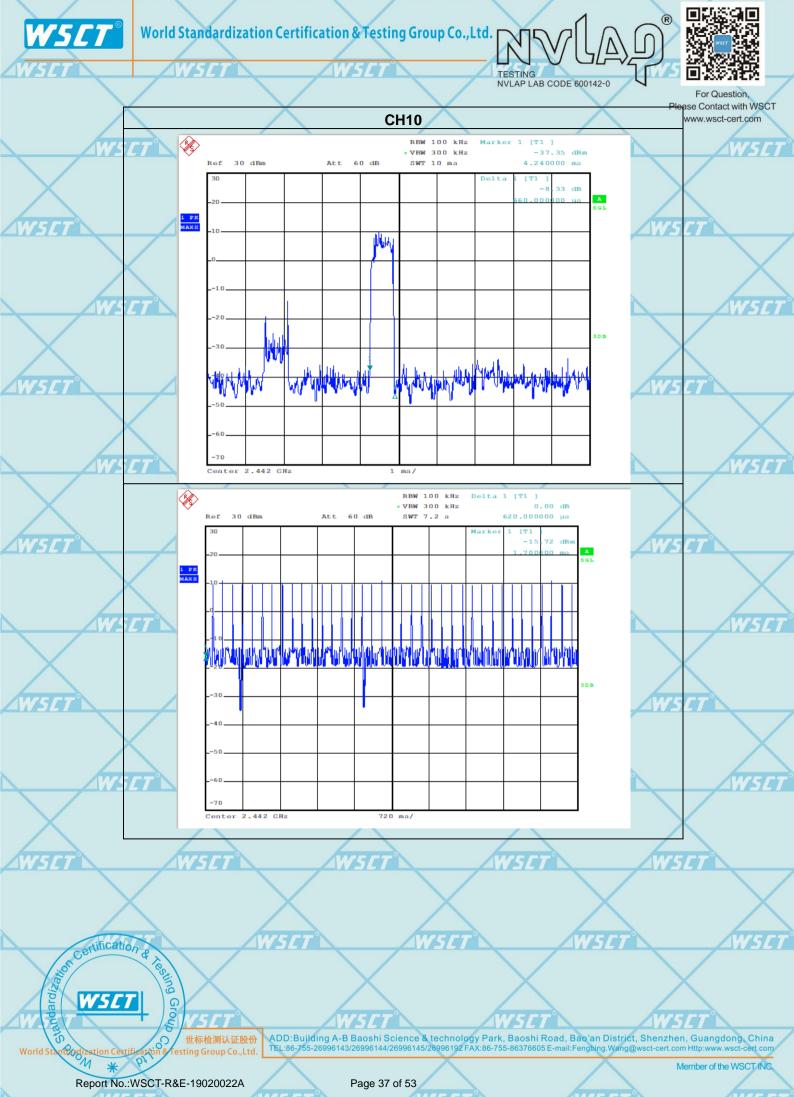
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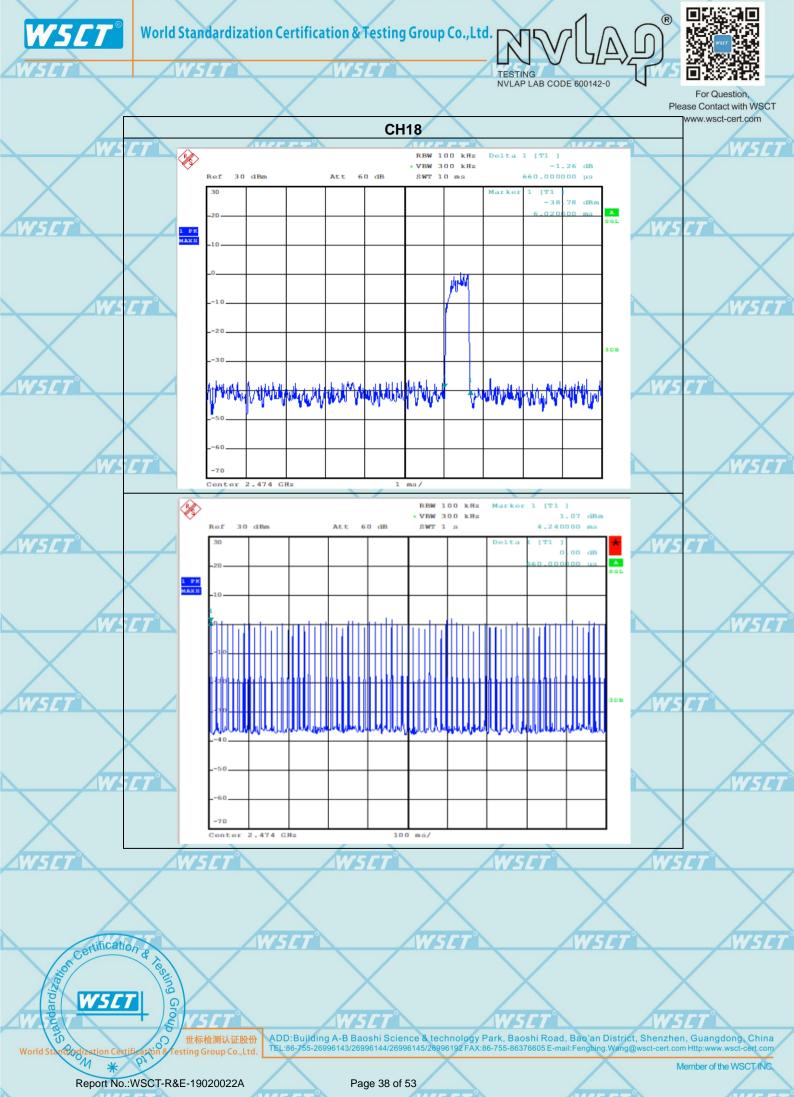
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7. HOPPING CHANNEL SEPARATION MEASUREMENT

7.1 APPLIED PROCEDURES / LIMIT

Frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater.

	Spectrum Parameter	Setting
	Attenuation	Auto
	Span Frequency	> Measurement Bandwidth or Channel Separation
1	W5CT RB	Resolution (or IF) Bandwidth (RBW) > 1% of the span
	VB	Video (or Average) Bandwidth (VBW) ≥ RBW
	Detector	Peak
	Trace	Max hold Max hold
	Sweep Time	Auto

7.1.2 TEST PROCEDURE

- 1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
- 2 Set the spectrum analyzer as follows: Span = wide enough to capture the peaks of two adjacent channels: Resolution (or IF) Bandwidth (RBW) > 1% of the span; Video (or Average) Bandwidth (VBW) > RBW; Sweep = auto; Detector function = peak; Trace = max
- 3. Measure the separation between the peaks of the adjacent channels using the marker-delta function.
- 4. Repeat above procedures until all frequencies measured were complete.

7.1.3 DEVIATION FROM STANDARD

No deviation.

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7.1.4 TEST SETUP

SPECTRUM EUT ANALYZER

7.1.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

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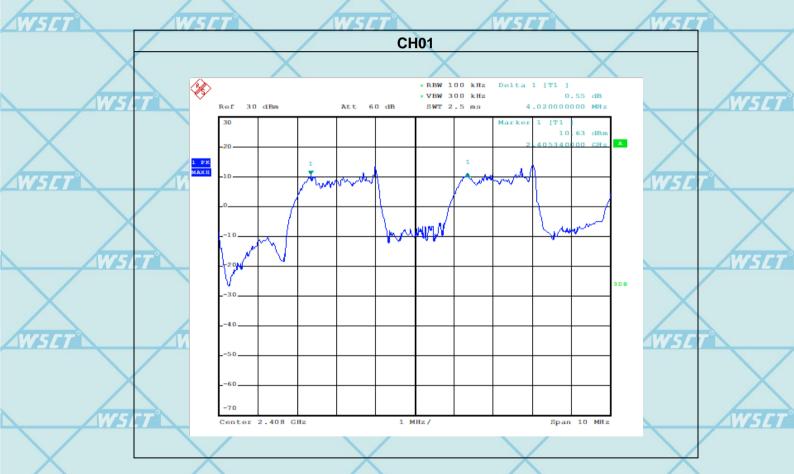
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7.2 TEST RESULTS

				MANAAA V	vsct-cert.com
	Pressure	1012 hPa	Test Mode	CH01 / CH10 /CH18	SCI-CCIT.COM
	riessuie	1012 IIF a W5/57	Test Mode	(Mode 4)	W50
/	Temperature	25℃	Relative Humidity	60%	
	Test Result	Pass			

<u> </u>	Channel number	Channel frequency	Separation Read value	Separation limit
		(MHz)	(KHz)	(KHz)
	CH 01	2406	4020	2/3 of the 20dB BW
2	W5 CH 10	2442	4000	2/3 of the 20dB BW
	CH 18	2474	4020	2/3 of the 20dB BW

Note: 20db bandwidth refer to section9.6

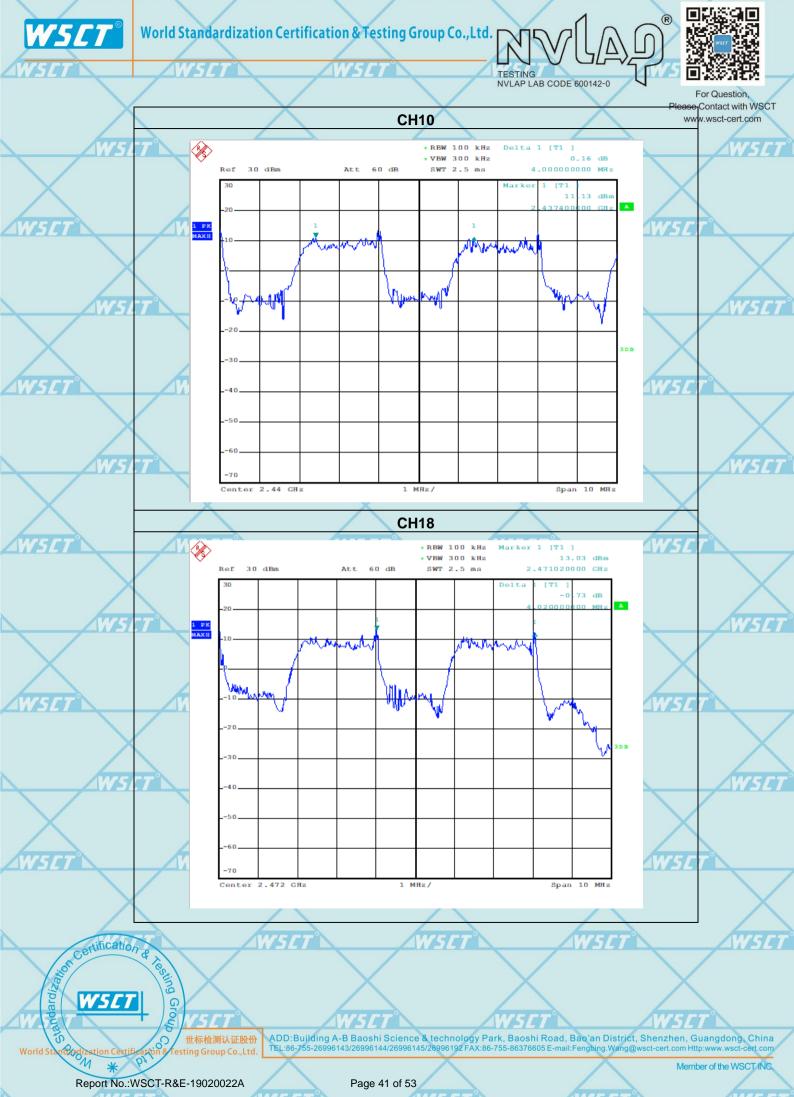


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8. BANDWIDTH TEST

8.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247), Subpart C					
Section	Test Item	Frequency Range (MHz)	Result		
15.247/5/7		V557	W5070000	WSCZ	
(a)(1)	Bandwidth	(20dB bandwidth)	2400-2483.5	PASS	

Spectrum Parameter	Setting		
Attenuation	Auto		
Span Frequency	> Measurement Bandwidth or Channel Separation		
RB	30kHz		
VB	W5/7° 100 kHz-7° W5/7°		
Detector	Peak		
Trace	Max hold		
Sweep Time	Auto		

8.1.2 TEST PROCEDURE WSET

- 1. Check the calibration of the measuring instrument (spectrum analyzer) using either an internal calibrator or a known signal from an external generator.
- 2. Set the spectrum analyzer as follows: VBW =30kHz, RBW=100kHz, Sweep = auto Detector function = peak ,Trace = max hold
- Measure the highest amplitude appearing on spectral display and record the level to calculate results.
- 4. Repeat above procedures until all frequencies measured were complete.

8.1.3 DEVIATION FROM STANDARD

No deviation.

8.1.4 TEST SETUP

EUT	SPECTRUM
	ANALYZER

8.1.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

WSET OF WARM

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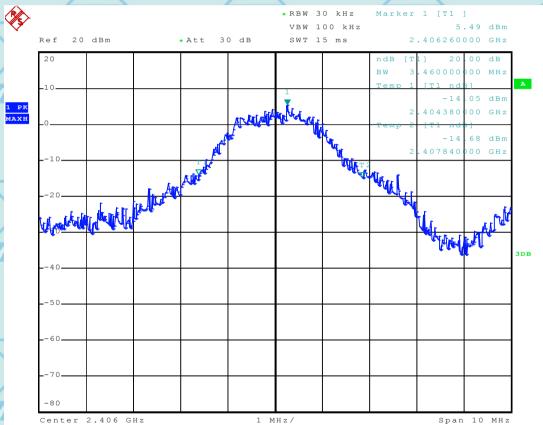
8.2 TEST RESULTS

Note: the worst case is DH5 as result in this part.

4	Pressure	1012 hPa //	Test Mode	CH01/CH10/C18	NS
	Temperature	25 ℃	Relative Humidity	60%	

1	Frequency	20dB Bandwidth (kHz)	75ET Result W5ET
	2406 MHz	3460	PASS
	2442 MHz	3600	PASS
4	2474 MHz	3260	PASS

CH01



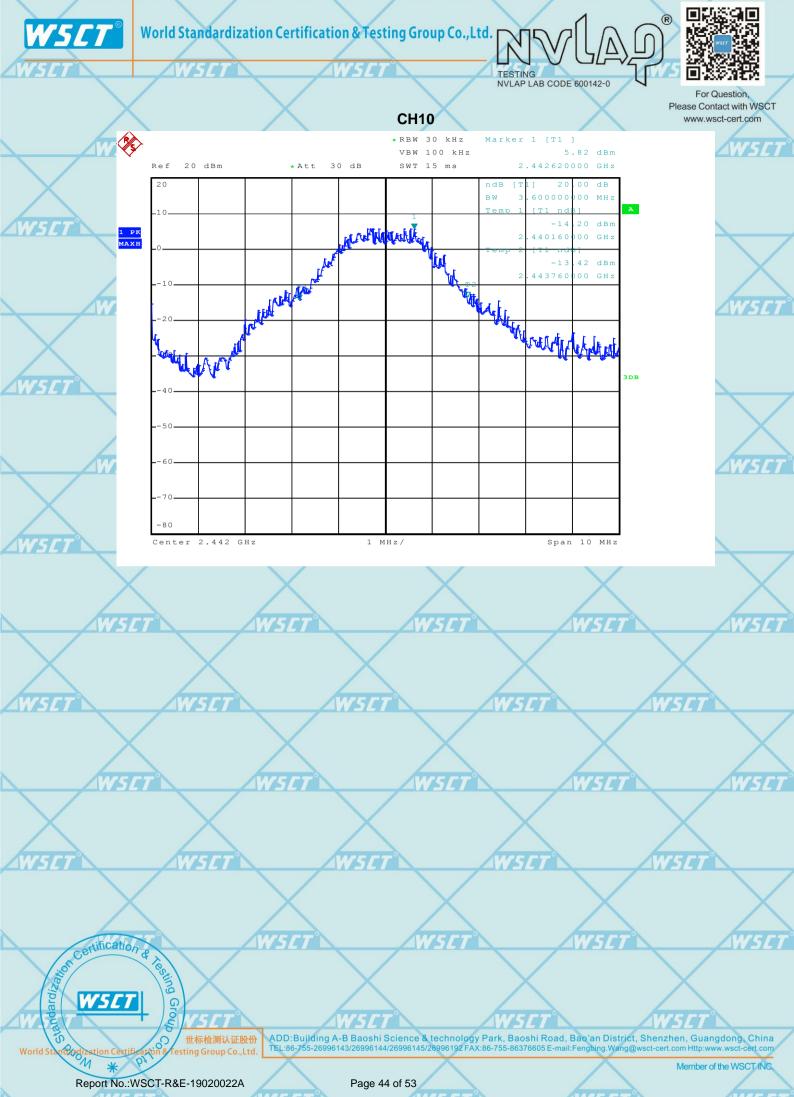
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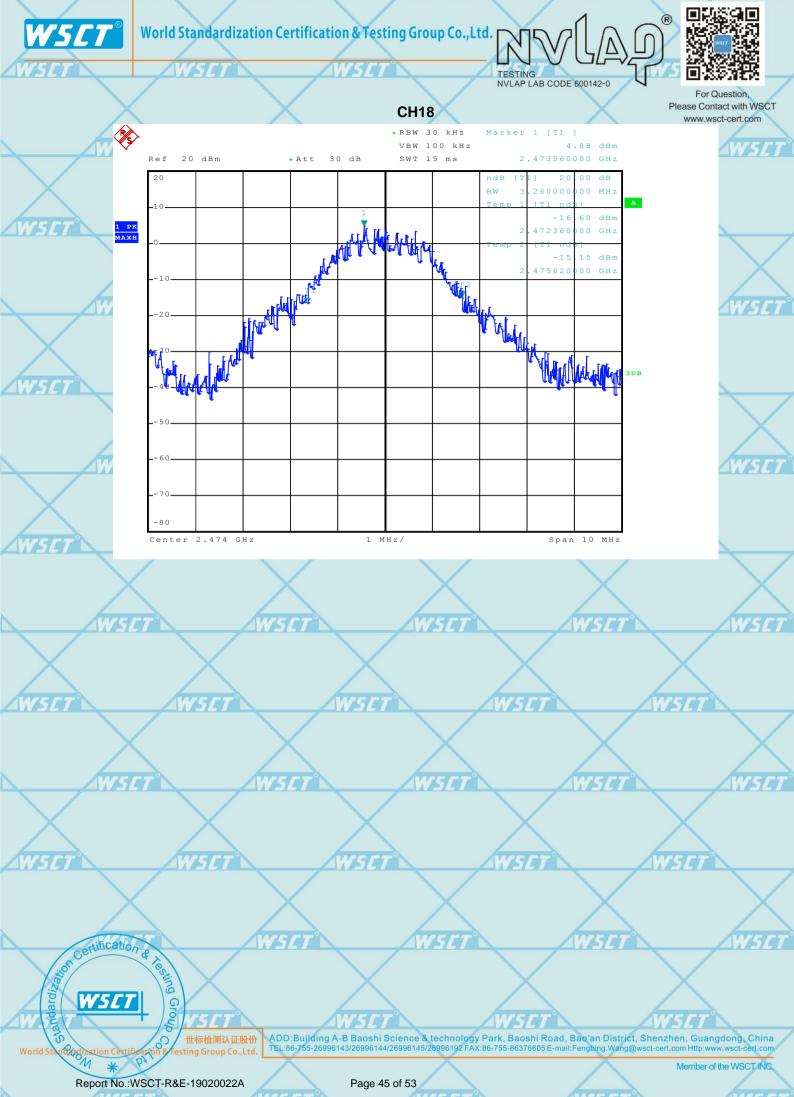
WSET WSET WSET

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9. PEAK OUTPUT POWER TEST

9.1 APPLIED PROCEDURES / LIMIT

1	APPLIED PROCED	URES / LIMIT			www.wsct-ce	ert.com
4	FCC Part15 (15.247) , Subpart C					
	Section	Test Item	Limit	Frequency Range (MHz)	Result	
	15.247 (b)(i)	Peak Output Power	0.125W	2400-2483.5	PASS	

9.1.2 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyze rand antenna output port as show in the block diagram below,
- b. Setting: RBW ≥ the 20 dB bandwidth of the emission being measured

Span ≥ approximately 3 times the 20 dB bandwidth, centered on a hop ping channel

VBW ≥ RBW

Sweep = auto

Detector function = peak

Trace = max hold

9.1.3 DEVIATION FROM STANDARD

No deviation.

9.1.4 TEST SETUP

EUT	2	Spectrum	
	4	analyzer	1

9.1.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

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TESTING NVLAP LAB CODE 600142-0



9.2 TEST RESULTS

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				www.wsct-ce	ert com
	Pressure	1012 hPa	Test Mode	CH01/ CH10 /CH18	
Δ	Temperature	25°C W 5 L / / V	Relative Humidity	60% 547	NSET

	Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT(dBm)	Result
	CH01	2406	15.71	20.97	Pass
	CH10	2442	16.81	20.97	Pass
1	V54 CH18	2474	15.69	20.97	Pass





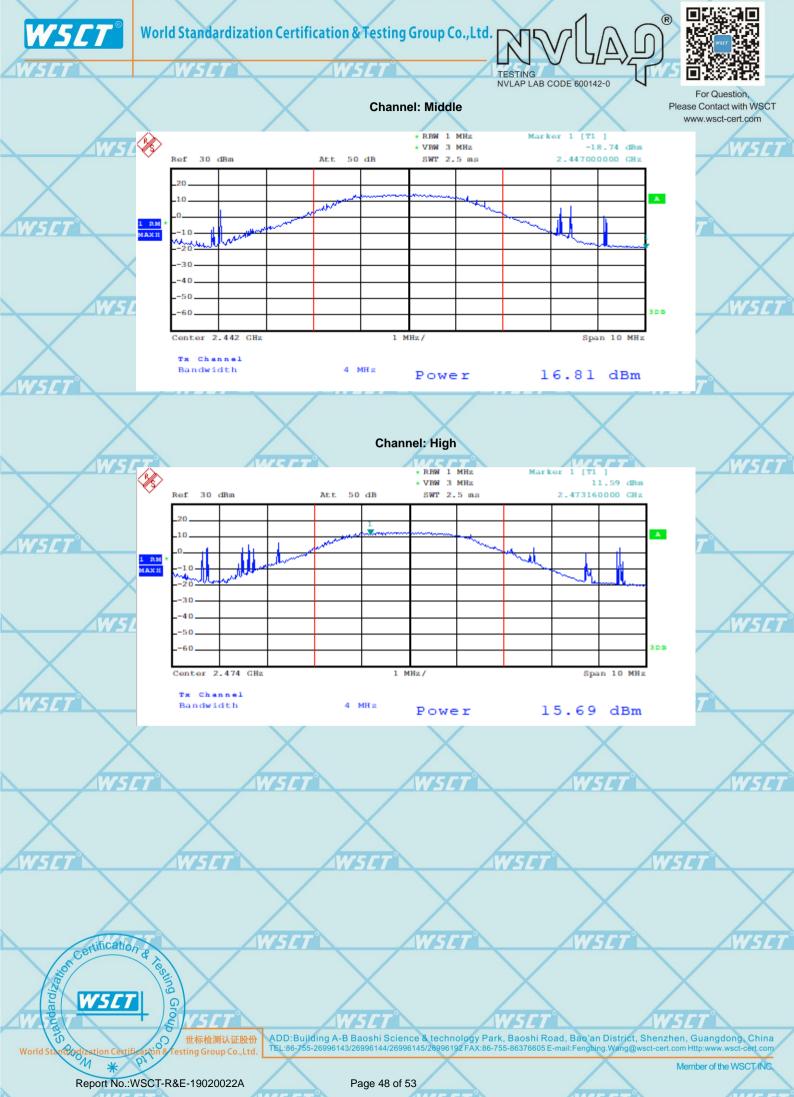
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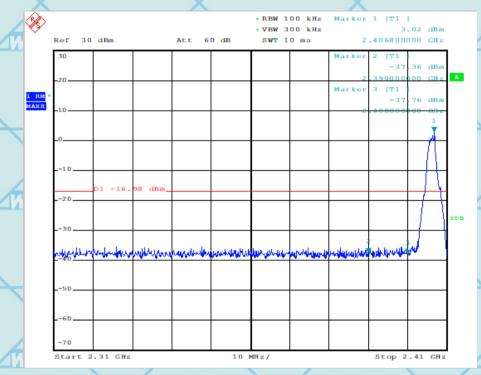
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10. 100KHZ BAND EDGES MEASUREMENT

10.1 APPLIED PROCEDURES / LIMIT

	FCC Part15 (15.247), Subpart C				
	WSET		NSET"	Frequency Range	WSET [®] N
	Section	Test Item	Limit	(MHz)	Result
1	15.247(d)	Band Edges Measurement	(20dB bandwidth)	2400-2483.5	PASS





WSET

WSET

WSET

WSET

WSET

AW5E

W5ET

ET WSET

AWSE1

WSLI

AW5E

WSET

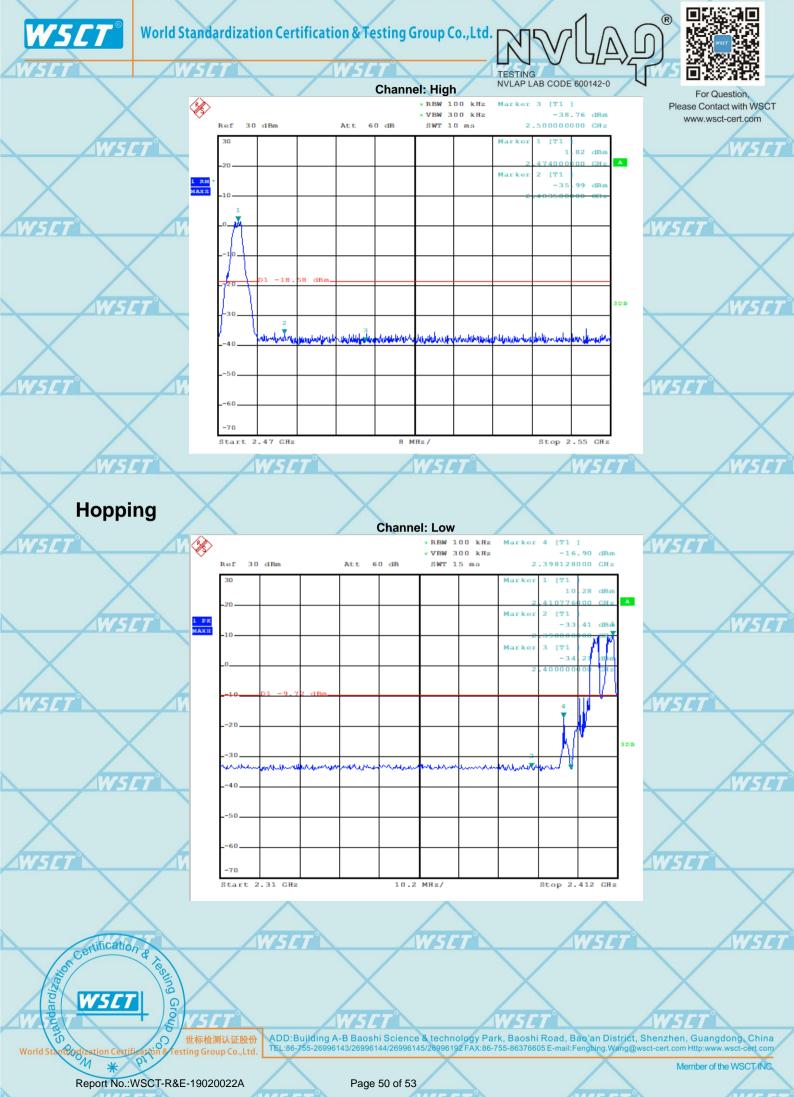
W/5/1

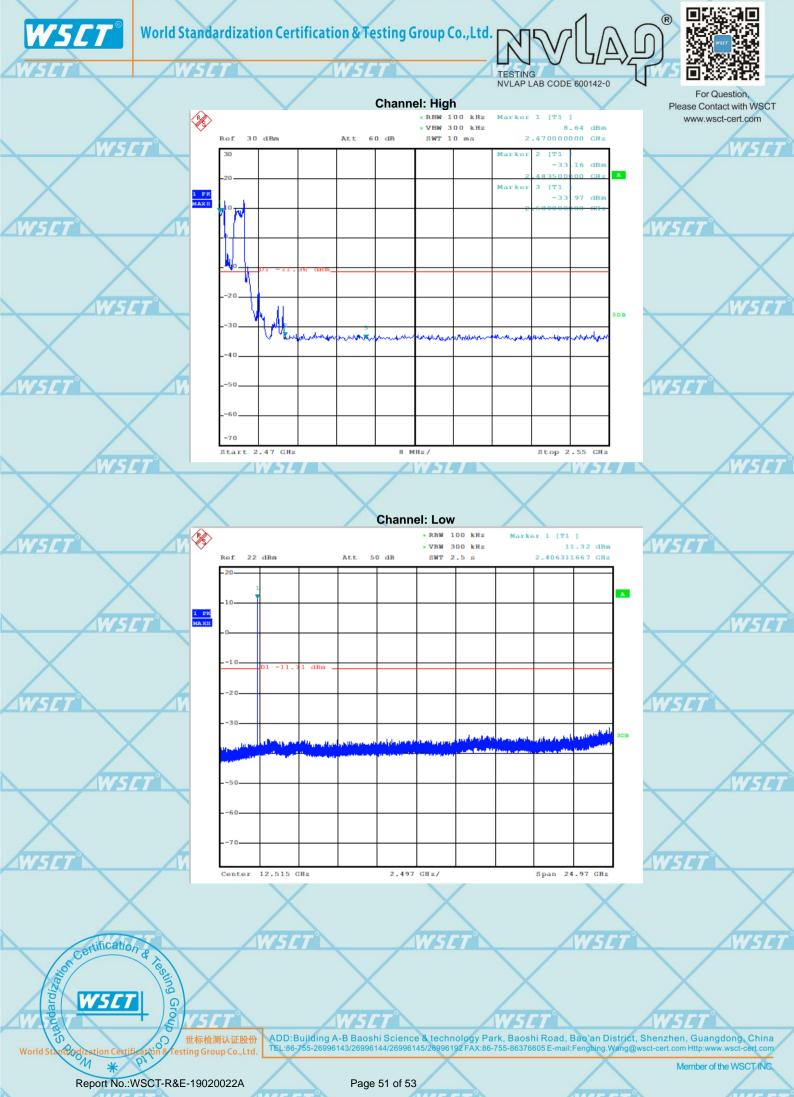
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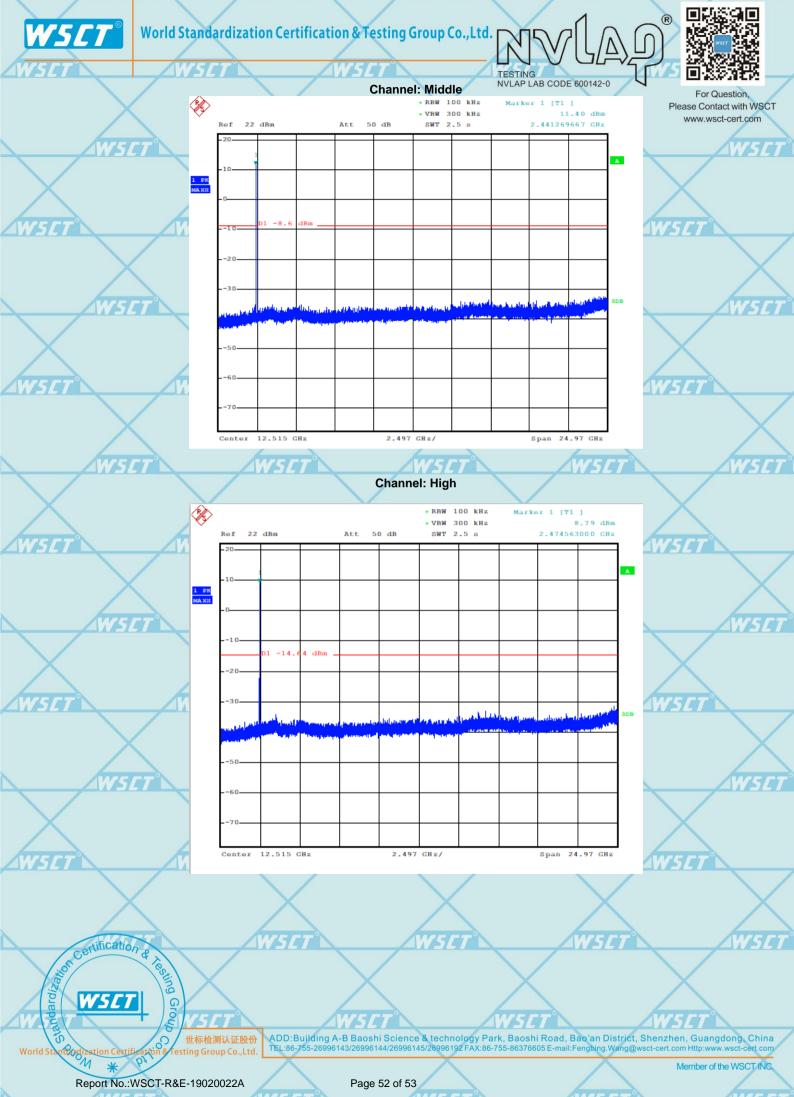
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11. ANTENNA APPLICATION

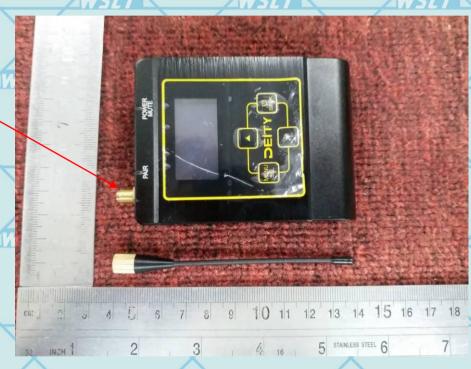
11.1 ANTENNA REQUIREMENT

The EUT'S antenna is met the requirement of FCC part 15C section 15.203 and 15.247

FCC part 15C section 15.247 requirements: Systems operating in the 2402-2480MHz band that are used exclusively for fixed.

11.1.2 Result

The EUT's antenna Integral Antenna, The ANT1's gain is 0.39dBi & ANT2's gain is 2.2dBi. The ANT2's antenna jack is a reverse SMA jack and meets the requirement.



Reverse SMA Jack

---END OF REPORT---

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