WSET





W5CT°

TEST REPORT

WSET

FCC ID: 2AXYP-OTW-323P-R

Product: True Wireless Earbuds

Model No.: OTW-323P

Trade Mark: oraimo

Report No.: WSCT-ANAB-R&E250300015A-LE

Issued Date: 14 March 2025

WSET

Issued for:

ORAIMO TECHNOLOGY LIMITED FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG

Issued By:

World Standardization Certification & Testing Group(Shenzhen) Co., Ltd. Building A-B, Baoli'an Industrial Park, No. 58 and 60, Tangtou Avenue, Shiyan Street, Bao'an District, Shenzhen City, Guangdong Province, China. 5

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FAX: +86-755-86376605

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Report No.: WSCT-ANAB-R&E250300015A-LE

Test Certification

True Wireless Earbuds **Product:**

Model No.:

OTW-323P

Additional

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Model:

ORAIMO TECHNOLOGY LIMITED

Applicant:

FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25

SHAN MEI STREET FOTAN NT HONGKONG WS ET

ORAIMO TECHNOLOGY LIMITED

FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 Manufacturer:

SHAN MEI STREET FOTAN NT HONGKONG

Date of receipt:

03 March 2025

Date of Test:

04 March 2025 ~ 13 March 2025

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

KDB 558074 D01 DTS Meas Guidance v04

The above equipment has been tested by World Standardization Certification & Testing Group(Shenzhen)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: W5 Wan

Checked By: 5 ET

(Qin Shuiquan)

W5CT

(Wang Xiang)

WSCT

Approved By:

Date: V / Vard

W5 LT (Li Huaibi)

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World Standardization Certification& Testing Group(Shenzhen) Co.,Ltd

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Test Result Summary 2.

	ATTENDED TO THE PARTY OF THE PA		Annua A	WE CE
\nearrow	Requirement	CFR 47 Section	Result	W5CT*\
	Antenna requirement	§15.203/§15.247 (c)	PASS	
7 °	AC Power Line Conducted Emission	W5 ET §15.207	N/AWSET	\bigvee
	Maximum conducted output power wsc	§15.247 (b)(3) §2.1046	W5 C PASS	WSCT
	6dB Emission Bandwidth	§15.247 (a)(2) §2.1049	PASS	
, ,	Power Spectral Density	§15.247 (e)	PASS	
	Band Edge W5 C	1§5.247(d) §2.1051, §2.1057	PASS W5 CT	WSLT
	Spurious Emission	§15.205/§15.209 §2.1053, §2.1057	PASS	
7 1			W 5	

Note:

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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.

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W5 C1 W5 E7 W5 C1 W5C1

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W5 C

W5 C

World Standardization Certification & Testing Group (Shenzhen) Co., ltd.

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EUT Description 3.

	Product Name:	True Wireless Earbuds W5 [7]	15ET°
	Model :	OTW-323P	
	Trade Mark:	oraimo	
I	Frequency Range:	1M/2M:2402-2480MHz(TX/RX)	
	Channel Separation:	2MHz	X
	Number of Channel:	407 WSET WSET	15 CT
	Modulation Technology:	GFSK	
7	Antenna Type	Chip Antenna WSC7	
	Antenna Gain:	1.73dBi	
	W5C7 Operating Voltage	Li-ion Polymer Battery: 451012 Nominal Voltage: 3.7V Rated Capacity: 35mAh/0.1295Wh Charging Box: 802035	YS CT"
1	X	Nominal Voltage: 3.7V Capacity:500mAh/3.7V/1.85Wh	
7	Remark: W5 [T]	N/A. WSET WSET WSET	

Note: 1. N/A stands for no applicable.

2. Antenna gain provided by the applicant.

W5 CT

Operation Frequency each of channel

	Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency	ı
	0	2402MHz	10	2422MHz	20	2442MHz	30	2462MHz	İ
	1	2404MHz	11	2424MHz	21	2444MHz	31	2464MHz	7
									ĺ
	8	2418MHz	18	2438MHz	28	2458MHz	38	2478MHz	
	w9: c7	2420MHz	W19	2440MHz	29	2460MHz	39-	2480MHz	f
/	Remark: Channel 0, 19 & 39 have been tested.								

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W5 E1

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4. Genera Information

4.1. Test environment and mode

		VELTA VELTA	
	Operating Environment:		
	Temperature:	25.0 °C	
ď	Humidity: 54	56 % RH	
	Atmospheric Pressure:	1010 mbar	\rangle
	Test Mode:		W5.
	Engineering mode:	Keep the EUT in continuous transmitting	
10	WSCT WSCT	by select channel and modulations(The value of duty cycle is 98.46%) with	
	WEIGH WEIGH	Fully-charged battery.	

The sample was placed (0.1m 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.

4.2. 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.

0	Equipment	Model No.	Serial No.	FCC ID	Trade Name
	\times	1	X	/	/

Note:

- 1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.
- 3. For conducted measurements (Output Power, 6dB Emission Bandwidth, Power Spectral Density, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.

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W5 CT





ANSI National Accreditation Board
A C C R E D I T E D
SOILE FROM
TESTING LABORATORY

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5. Facilities and Accreditations

5.1. Facilities

All measurement facilities used to collect the measurement data are located at

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Building A-B,Baoli'an Industrial Park,No.58 and 60,Tangtou Avenue, Shiyan Street, Bao'an District,

Shenzhen City, Guangdong Province, China.

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."

5.2. ACCREDITATIONS

CNAS - Registration Number: L3732

W5 China National Accreditation Service for Conformity Assessment, The test firm Registration

Number: L3732

FCC - Designation Number: CN1303

World Standardization Certification & Testing Group(Shenzhen) CO., LTD. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Designation Number: CN1303.

ANAB - Certificate Number: AT-3951

W5 The EMC Laboratory has been accredited by the American Association for Laboratory Accreditation (ANAB). Certification Number: AT-3951

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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	ми	
W5 CT	1	Conducted Emission Test	±3.2dB	
	2	RF power, conducted	±0.16dB	X
	3 _{W5 [}	Spurious emissions, conducted	±0.21dB	W5 CT
	4	All emissions, radiated(<1GHz)	±4.7dB	
	5	All emissions, radiated(>1GHz)	±4.7dB	
W5CT1	6	Temperature	±0.5°C	
	7	Humidity	±2.0%	X

V	VS CT° W	SET® WS	ET W.	CT°	W5 CT
WSCT	WSCT	WSET	WSCT	WSET	
	\times	$\langle \hspace{0.1cm} \rangle$			WSET
WSET	WSET	WSET	WSET	WSET	

	W5 CT	W5 ET	WSET	W5CT	W5 CT
7					

W5CT"	WSET	W5CT [®]	W5 CT	W5CT°

W5 CT°	W5 CT	W	SET WS	cations Testin
X	X	X	\sim	Gold WSET Series

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5.4. MEASUREMENT INSTRUMENTS

	X	X	X		X		X
	NAME OF EQUIPMENT	MANUFACTURER	MODEL	SERIAL NUMBER	Calibration Date	Calibration Due.	'5 L
/	Test software	-	EZ-EMC	CON-03A	-	\ -	
	Test software	-	MTS8310				
C1	EMI Test Receiver	R&S	ESCI	100005	11/05/2024	11/04/2025	
	LISN	AFJ	LS16	16010222119	11/05/2024	11/04/2025	\times
	LISN(EUT)	Mestec	AN3016	04/10040	11/05/2024	11/04/2025	- C
	Universal Radio Communication Tester	R&S	CMU 200	1100.0008.02	11/05/2024	11/04/2025	36
	Coaxial cable	Megalon	LMR400	N/A	11/05/2024	11/04/2025	
	GPIB cable	Megalon	GPIB	N/A	11/05/2024	11/04/2025	
	Spectrum Analyzer	R&S	FSU	100114	11/05/2024	11/04/2025	\times
	Pre Amplifier	HP	HP8447E	2945A02715	11/05/2024	11/04/2025	rs r
	Pre-Amplifier	CDSI	PAP-1G18-38	-	11/05/2024	11/04/2025	
	Bi-log Antenna	SCHWARZBECK	VULB9168	01488	07/29/2024	07/28/2025	
<u></u>	9*6*6 Anechoic	- V	(SCT	WSLT	11/05/2024	11/04/2025	
	Horn Antenna	COMPLIANCE ENGINEERING	CE18000	-	11/05/2024	11/04/2025	X
	Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-631	11/05/2024	11/04/2025	
	Cable	TIME MICROWAVE	LMR-400 ^{5 /}	N-TYPE04	11/05/2024	11/04/2025	75 C
	System-Controller	ccs	N/A	N/A	N.C.R	N.C.R	
	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	
	RF cable	Murata	MXHQ87WA300 0	-	11/05/2024	11/04/2025	X
	Loop Antenna	EMCO	6502 _{W5 L}	00042960	11/05/2024	11/04/2025	'5 L
/	Horn Antenna	SCHWARZBECK	BBHA 9170	1123	11/05/2024	11/04/2025	
1	Power meter	Anritsu	ML2487A	6K00003613	11/05/2024	11/04/2025	
C I	Power sensor/5	Anritsu	MX248XD	W5 CT	11/05/2024	11/04/2025	
	Spectrum Analyzer	Keysight	N9010B	MY60241089	11/05/2024	11/04/2025	X

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6. Test Results and Measurement Data

6.1. Antenna requirement

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Standard requirement:

FCC Part15 C Section 15.203 /247(c)

15.203 requirement:

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, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(c) (1)(i) requirement:

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

E.U.T Antenna:

The Bluetooth antenna is a Chip Antenna. it meets the standards, and the best case gain of the antenna is 1.73dBi.

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W5 Ci

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6.2. Conducted Emission

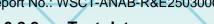
6.	.2.1. Test Specification	WSET	W5CT*	WSCT"
X	Test Requirement:	FCC Part15 C Section 15.207]
W5ET	Test Method:	ANSI C63.10:2014	ET" WSET"	
	Frequency Range:	150 kHz to 30 MHz		
	Receiver setup:	RBW=9 kHz, VBW=30 kHz, S	Sweep time=auto	W. Com
WSET	Limits:	0.15-0.5	Limit (dBuV) asi-peak Average 5 to 56* 56 to 46* 56 46 60 50	
		Reference Plan		
	WSET WSE	40cm _{10cm}	LISN	W5CT
WSET	Test Setup: WSCT WSC	Test table/Insulation plane Remark E.U.T: Equipment Under Test LISN: Line Impedence Stabilization Network Test table height=0.8m	Filter — AC power EMI Receiver	WSET
\times	Test Mode:	Charging + Transmitting Mod	е	-
WSET	WSET WSE	provides a 50ohm/50uH of measuring equipment. 2. The peripheral devices are power through a LISN that	network (L.I.S.N.). This coupling impedance for the also connected to the main at provides a 50ohm/50uH	WSET
WSET	Test Procedure:	refer to the block diagraphotographs). 3. Both sides of A.C. line a conducted interference. In emission, the relative positions.	order to find the maximum ions of equipment and all of be changed according to	
	Test Result:	N/A	Zadiou illedadioi lett.	esting Gioup(Sh
			NA WAS	C7° She

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6.2.2. Test data

The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

	Configuration (120 VAC, 60 Hz	snown nere.	X	
	WSET WSE	W5E	T WS CI	WSET
\times	Test data Note: EUT powered by battery	not applicable	\times	\times
WSET	WSET*	W5CT	WSLT	WSCT
_				
	WSET WS	TT WSE	T° WS CT	W5 ET
X	X	X	X	X
WSET	WSCT	WSET	WSET	WSET
	\times	$\langle \hspace{1cm} 1cm$	\sim	\times
	WSET WSE	WSE	WSEI	WSET"
WSET	WSET	WSET	WSCT	W5 CT°
	X	X	X	X
	WS CT WS L	WSE	T WS CI	WSLT
\times	\times	\times	\times	\times
WSET	WSET	WSET	WSET	W5 CT°
	\triangle			
	WSET	W5E	T WS CT	Will.
X	X	X	X	Solo WSET
WSET	WSET	W5 ET	W5 CT	
ADD: Building A-B, Baoli	'an Industrial Park, No.58 and 60, Tangtou Avenue, Shiyan	Street, Bao'an District, Shenzhen City, Guang	dong Province, China.	BLO 左图公司

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W5 CI

6.3. Conducted Output Power

6.3.1. Test Specification

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			-
X	Test Requirement:	FCC Part15 C Section 15.247 (b)(3)	
WSET	Test Method:	KDB558074 W5 [7] W5 [7]	
	Limit:	30dBm	
	Test Setup:		WSET
		Spectrum Analyzer EUT	
WSCT	Test Mode:	Refer to item 4.1	
		 The testing follows the Measurement Procedure of FCC KDB No. 558074 DTS D01 Meas. Guidance v04. Set spectrum analyzer as following: Set the RBW ≥ DTS bandwidth. 	WSLT
WSET	Test Procedure:	 b) Set VBW ≥ 3 x RBW. c) Set span ≥ 3 x RBW d) Sweep time = auto couple. 	
		e) Detector = peak. f) Trace mode = max hold. g) Allow trace to fully stabilize. h) Use peak marker function to determine the peak	
		amplitude level.	W5CT°
X	Test Result:	PASS PASS	
WSIT	WSCT	WSCT WSCT WSCT	

W5C7 W5 CT W5 E7

W5 C1

W5 CT

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6.3.2. Test Data

	BLE 1N	Л		W5
Test channel	Maximum Conducted Output Power (dBm)	Limit (dBm)	Result	
Lowest	-1.73	30.00	PASS	
Middle	-1.12	30.00	PASS	
Highest	-1.06	30.00	PASS	

/		BLE 2N	Л	
	Test channel	Maximum Conducted Output Power (dBm)	Limit (dBm)	Result
7	Lowest	-1,715 <i>[</i> 7	30.00	PASS
	Middle	-1.09	30.00	PASS
	Highest	-1.00	30.00	PASS
			National Company of the Company of t	

Test plots as follows:

W5 CI W5E7 W5 [1 W5C1 W5 E1

W5 CT W5 C1 W5 CT W5 CT W5 CT

W5C

W5 C W5 CI W5E W5 C

W5E1

W5C1 W5 C1 W5 C1 W5 C1 tion& Test

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W5CT

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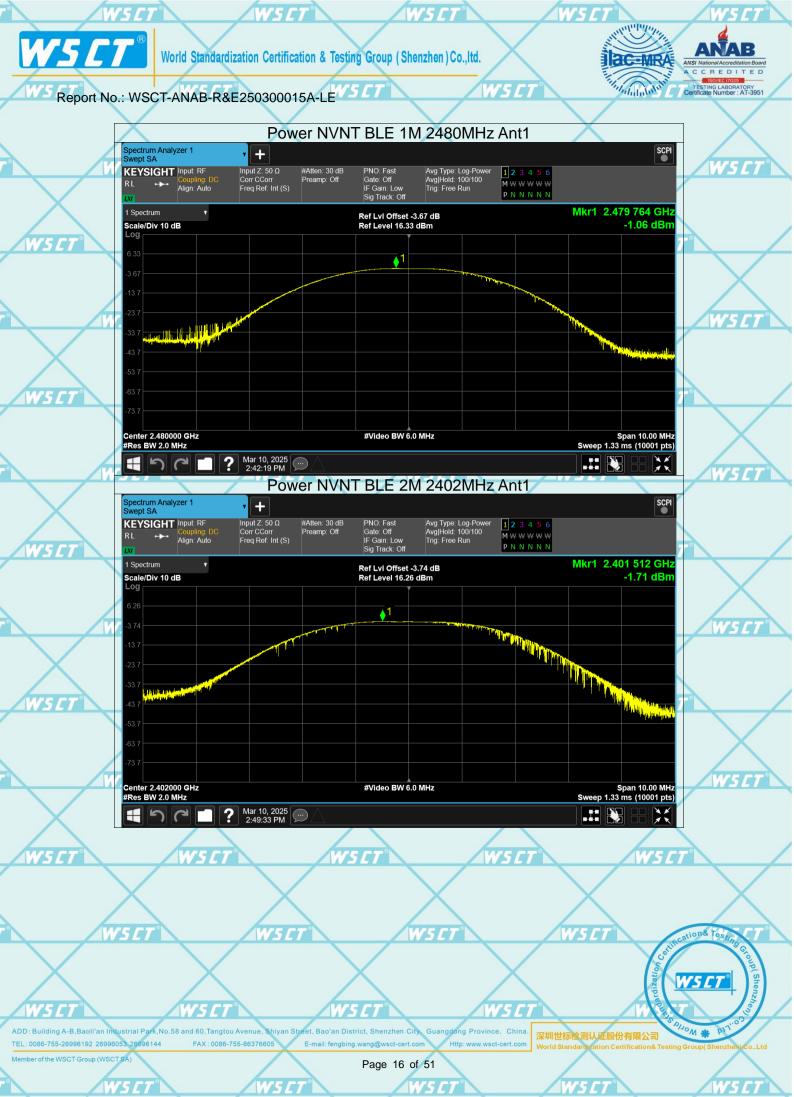
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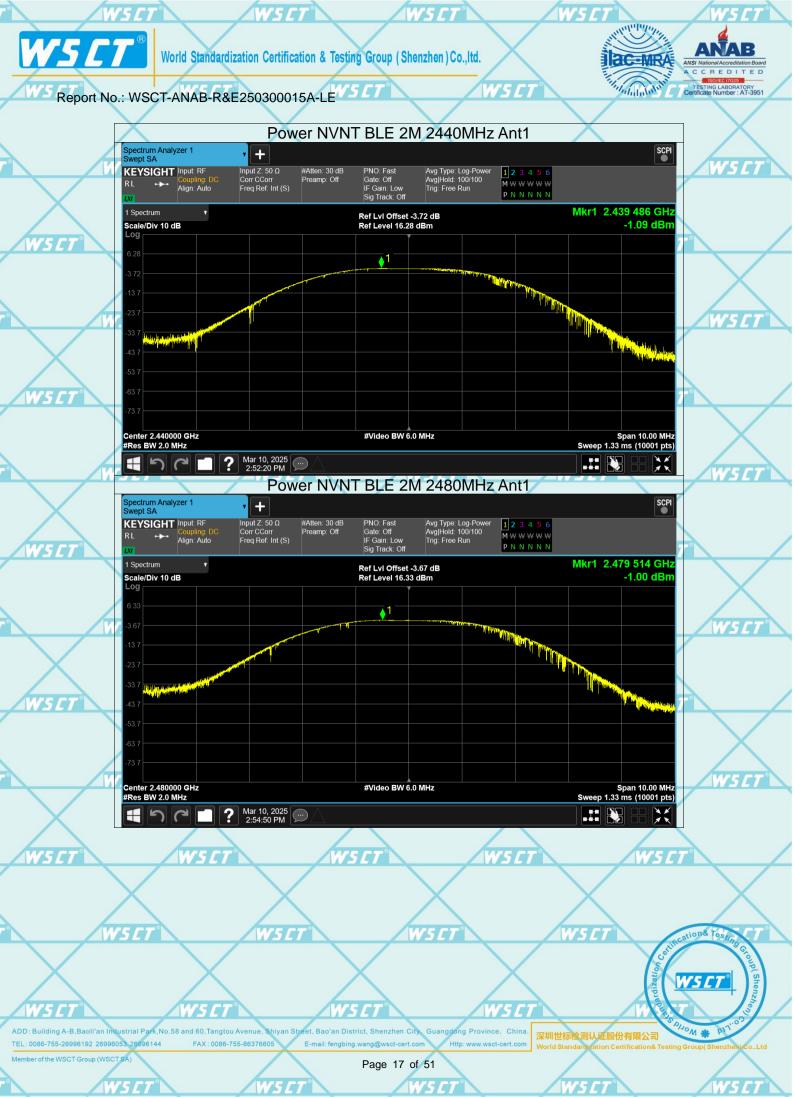
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CT° WSCT°



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6.4. Emission Bandwidth

U.T. I. I CSI ODCCIIICALIUII	6.4.1.	Test S	pecificatio	W5
------------------------------	--------	--------	-------------	-----------

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X	Test Requirement:	FCC Part15 C Section 15.247 (a)(2)	
WSCT	Test Method:	KDB558074 W5 [7] W5 [7]	
	Limit:	>500kHz	\setminus
	Test Setup:	Spectrum Amalum EUT	W5 CT
		Spectrum Analyzer	
WSCT	Test Mode:	Refer to item 4.1 W5 C7 W5 C7	
X	Test Procedure:	 The testing follows FCC KDB Publication No. 558074 DTS D01 Meas. Guidance v04. Set to the maximum power setting and enable the EUT transmit continuously. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make 	WS CT°
W5ET	Test Result:	an accurate measurement. The 6dB bandwidth must be greater than 500 kHz. 4. Measure and record the results in the test report. PASS	X
	WSET WSE	W5111 W5111	W5CT"

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>500k

6.4.2. Test data

BLE 1	M	WE CT

Test channel	6dB Emission I	Bandwidth (kHz))
rest channel	BT LE mode	Limit	Result
Lowest	503.4	>500k	W5CT°
Middle	500.8	>500k	PASS
Highest	500.9	>500k	

W5 CT

BLE 2M

W5 ET

WS CT

 Test channel
 6dB Emission Bandwidth (kHz)

 BT LE mode
 Limit
 Result

 Lowest
 673.1
 >500k

 Middle
 845.7
 >500k
 PASS

Test plots as follows:

Highest

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WSCT WSCT WSCT WSCT

WS CT WS CT WS CT WS CT

WSCT WSCT WSCT WSCT WSCT

WS CT WS CT WS CT WS CT

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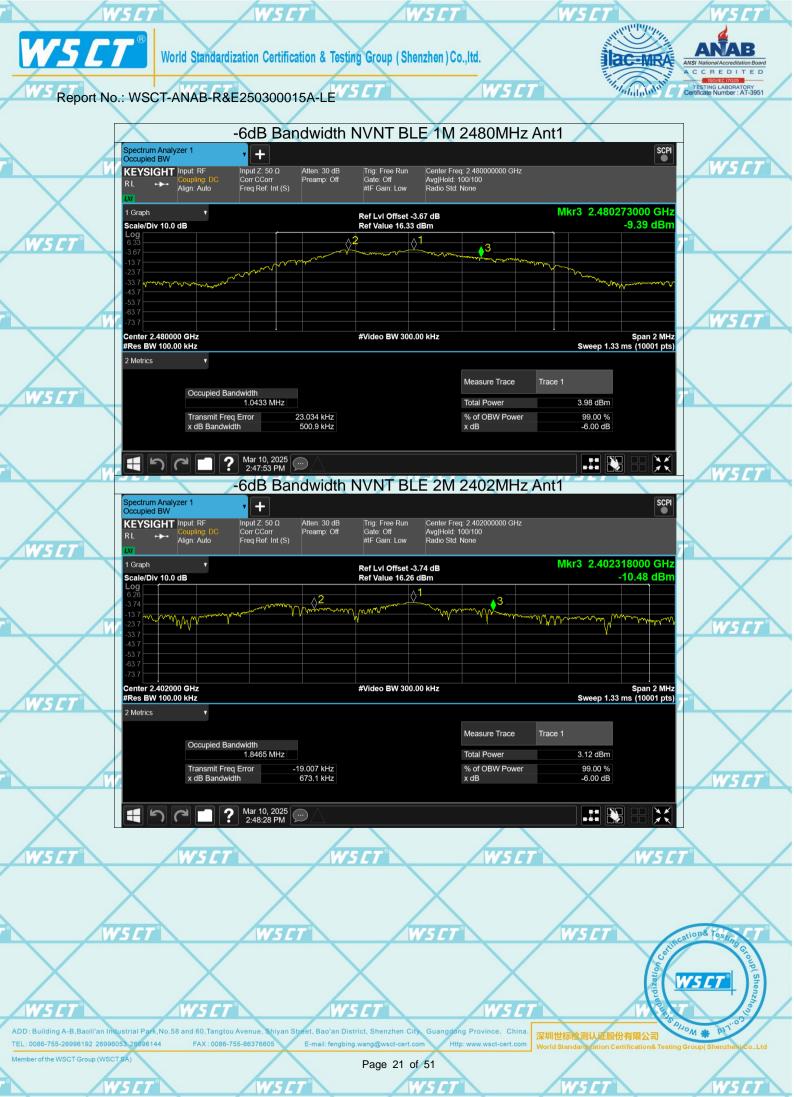
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W5 CT



Report No.: WSCT-ANAB-R&E250300015A-LE

6.5. Power Spectral Density

6.5.1. Test Specification

Test Requirement: Test Method: KDB558074 The peak power spectral density shall not be greater than 8dBm in any 3kHz band at any time interval of continuous transmission. Test Setup: Test Mode: Refer to item 4.1 1. The testing follows Measurement Procedure 10.2 Method PKPSD of FCC KDB Publication No.558074 D01 DTS Meas. Guidance v04 2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. 3. Set to the maximum power setting and enable the EUT transmit continuously. 4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW): 3 kHz ≤ RBW ≤ 100 kHz. Video bandwidth VBW ≥ 3 x RBW. In order to	V5 CT°	WSCT" WSCT"	WELL
Test Setup: Test Mode: Refer to item 4.1 1. The testing follows Measurement Procedure 10.2 Method PKPSD of FCC KDB Publication No.558074 D01 DTS Meas. Guidance v04 2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. 3. Set to the maximum power setting and enable the EUT transmit continuously. 4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW): 3 kHz ≤ RBW ≤ 100 kHz. Video bandwidth VBW ≥ 3 x RBW. In order to		CC Part15 C Section 15.247 (e)	Test Requirement:
than 8dBm in any 3kHz band at any time interval of continuous transmission. Test Setup: Refer to item 4.1 1. The testing follows Measurement Procedure 10.2 Method PKPSD of FCC KDB Publication No.558074 D01 DTS Meas. Guidance v04 2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. 3. Set to the maximum power setting and enable the EUT transmit continuously. 4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW): 3 kHz ≤ RBW ≤ 100 kHz. Video bandwidth VBW ≥ 3 x RBW. In order to		(DB558074	Test Method:
Test Mode: Refer to item 4.1 1. The testing follows Measurement Procedure 10.2 Method PKPSD of FCC KDB Publication No.558074 D01 DTS Meas. Guidance v04 2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. 3. Set to the maximum power setting and enable the EUT transmit continuously. 4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW): 3 kHz ≤ RBW ≤ 100 kHz. Video bandwidth VBW ≥ 3 x RBW. In order to	$\overline{}$	han 8dBm in any 3kHz band at any time interval of	Limit:
Test Mode: Refer to item 4.1 1. The testing follows Measurement Procedure 10.2 Method PKPSD of FCC KDB Publication No.558074 D01 DTS Meas. Guidance v04 2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. 3. Set to the maximum power setting and enable the EUT transmit continuously. 4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW): 3 kHz ≤ RBW ≤ 100 kHz. Video bandwidth VBW ≥ 3 x RBW. In order to	VSET		Test Setup:
1. The testing follows Measurement Procedure 10.2 Method PKPSD of FCC KDB Publication No.558074 D01 DTS Meas. Guidance v04 2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. 3. Set to the maximum power setting and enable the EUT transmit continuously. 4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW): 3 kHz ≤ RBW ≤ 100 kHz. Video bandwidth VBW ≥ 3 x RBW. In order to		Spectrum Analyzer EUT	
Method PKPSD of FCC KDB Publication No.558074 D01 DTS Meas. Guidance v04 2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. 3. Set to the maximum power setting and enable the EUT transmit continuously. 4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW): 3 kHz ≤ RBW ≤ 100 kHz. Video bandwidth VBW ≥ 3 x RBW. In order to		Refer to item 4.1	Test Mode:
times DTS Channel Bandwidth. (6dB BW) 5. Detector = peak, Sweep time = auto couple, Trace mode = max hold, Allow trace to fully stabilize. Use the peak marker function to determine the maximum power level. 6. Measure and record the results in the test report.	WS CT	 Method PKPSD of FCC KDB Publication No.558074 D01 DTS Meas. Guidance v04 The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW): 3 kHz ≤ RBW ≤ 100 kHz. Video bandwidth VBW ≥ 3 x RBW. In order to make an accurate measurement, set the span to 1.5 times DTS Channel Bandwidth. (6dB BW) Detector = peak, Sweep time = auto couple, Trace mode = max hold, Allow trace to fully stabilize. Use the peak marker function to determine the maximum power level. 	Test Procedure:
Test Result: PASS	X		Test Result:
			/ / /

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6.5.2. Test data

	Test channel	Power Spectral D	ensity (dBm/3kl	Hz)	4
1	rest channel	BLE 1M	Limit	Result	
	Lowest	-11.87	8 dBm/3kHz	X	
0	Middle	-11.09	8 dBm/3kHz	PASS	
	Highest	-11.05	8 dBm/3kHz		
,					•

2	Test channel	Power Spectral Density (dBm/3kHz)			
	rest channel	BLE 2M	Limit	Result	
	Lowest	-12.22	8 dBm/3kHz		
	Middle	W-11.57	8 dBm/3kHz	PASS	
	Highest	-11.44	8 dBm/3kHz		

Test plots as follows: W5C1 WSE WSE

W5 E1 W5 CT W5 C7 W5 CT W5 E1

W5 CT W5 CT W5 CT W5 CT W5 E7

W5 C W5E

W5 CI W5E W5E W5 C

W5 CI W5E1

W5C1 W5 C1 W5 E1 W5 C7 tion& Test

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TESTING LABORATORY

Report No.: WSCT-ANAB-R&E250300015A-LE

WYLI

6.6. Conducted Band Edge and Spurious Emission Measurement

6.6.1. Test Specification

6.	6.1. Test Specification	T WSET WSET W	V5 CT
	Test Requirement:	FCC Part15 C Section 15.247 (d)	
	Test Method:	KDB558074	
WSET	Limit:	In any 100 kHz bandwidth outside of the authorized frequency band, the emissions which fall in the non-restricted bands shall be attenuated at least 20 dB / 30dB relative to the maximum PSD level in 100 kHz by RF conducted measurement and radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).	VS CT
	Test Setup:	Spectrum Analyzer EUT	NS CT
	Test Mode:	Refer to item 4.1	
WSET	Test Procedure:	Unwanted Emissions measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when maximum peak conducted output power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over	WS ET
	Test Result:	PASS	X

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WSET WSE















W5ET" Intellibrials In World Standardization Certification & Testing Group (Shenzhen) Co., ltd. ac-MRA "Intalalatala Report No.: WSCT-ANAB-R&E250300015A-LE Tx. Spurious NVNT BLE 2M 2402MHz Ant1 Ref Spectrum Analyzer 1 Swept SA SCPI + Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off Avg Type: Log-Power Avg|Hold: 100/100 Trig: Free Run KEYSIGHT Input: RF M ₩ ₩ ₩ ₩ PNNNNN Mkr1 2.402 021 GHz Ref LvI Offset -3.74 dB Ref Level 16.26 dBm -1.80 dBm Scale/Div 10 dB 15 ET Jhww. Center 2.402000 GHz #Res BW 100 kHz #Video BW 300 kHz Span 3.000 MHz Sweep 1.00 ms (1001 pts) ? Mar 10, 2025 2:48:55 PM 150 Tx. Spurious NVNT BLE 2M 2402MHz Ant1 Emission Spectrum Analyzer 1 Swept SA SCPI + Avg Type: Log-Pov Avg|Hold: 10/10 Trig: Free Run KEYSIGHT Input: RF Input Z: 50 Ω #Atten: 30 dB Preamp: Off Corr CCorr Freq Ref: Int (S) <u>M</u> ₩ ₩ ₩ ₩ Align: Auto PNNNN Mkr1 2.401 7 GHz 1 Spectrum Ref LvI Offset -3.74 dB Ref Level 16.26 dBm -2.23 dBm Scale/Div 10 dB DL1 -21.80 d **∆**5 Stop 26.50 GHz Sweep ~2.53 s (30001 pts) Start 30 MHz #Res BW 100 kHz #Video BW 300 kHz Function Function Width Function Value 2.401 7 GHz -2.23 dBm 4.804 3 GHz 4.804 3 GHz 4.804 3 GHz 7.206 0 GHz 9.732 1 GHz -51.19 dBm -51.19 dBm ZZZZ -58.04 dBm -60.36 dBm ? Mar 10, 2025 2:49:26 PM ** tion& Testin W5 CI W5C1 ADD: Building A-B, Baoli'an Industrial Park, No. 58 and 60, Tangtou Avenue 深圳世标检测认证股份有限公司 TEL: 0086-755-26996192 26996053 26996144 FAX: 0086-755-86376605 Page 36 of 51

W5CT Interior of the World Standardization Certification & Testing Group (Shenzhen) Co., ltd. ac-MRA Report No.: WSCT-ANAB-R&E250300015A-LE Tx. Spurious NVNT BLE 2M 2440MHz Ant1 Ref Spectrum Analyzer 1 Swept SA SCPI + Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off Avg Type: Log-Power Avg|Hold: 100/100 Trig: Free Run KEYSIGHT Input: RF M ₩ ₩ ₩ ₩ PNNNNN Mkr1 2.440 021 GHz Ref LvI Offset -3.72 dB Ref Level 16.28 dBm -1.20 dBm Scale/Div 10 dB 15 ET Center 2.440000 GHz #Res BW 100 kHz #Video BW 300 kHz Span 3.000 MHz Sweep 1.00 ms (1001 pts) ? Mar 10, 2025 2:51:43 PM 150 Tx. Spurious NVNT BLE 2M 2440MHz Ant1 Emission Spectrum Analyzer 1 Swept SA SCPI + Avg Type: Log-Pov Avg|Hold: 10/10 Trig: Free Run KEYSIGHT Input: RF Input Z: 50 Ω #Atten: 30 dB Preamp: Off Corr CCorr Freq Ref: Int (S) <u>M</u> ₩ ₩ ₩ ₩ Align: Auto PNNNN Mkr1 2.439 7 GHz 1 Spectrum Ref LvI Offset -3.72 dB Ref Level 16.28 dBm -1.25 dBm Scale/Div 10 dB **∆**5 Stop 26.50 GHz Sweep ~2.53 s (30001 pts) Start 30 MHz #Res BW 100 kHz #Video BW 300 kHz Function Function Width Function Value 2.439 7 GHz -1.25 dBm 2.632 0 GHz 4.879 3 GHz 7.319 8 GHz 9.637 7 GHz -50.97 dBm -58.74 dBm -60.51 dBm -60.73 dBm ZZZZ ? Mar 10, 2025 2:52:14 PM ** tion& Testin W5 CI W5 C1 ADD: Building A-B, Baoli'an Industrial Park, No. 58 and 60, Tangtou Avenue 深圳世标检测认证股份有限公司 TEL: 0086-755-26996192 26996053 26996144 FAX: 0086-755-86376605 Page 37 of 51

Interior of the W5CT® World Standardization Certification & Testing Group (Shenzhen)Co..ltd. ac-MRA "Intalalatala Report No.: WSCT-ANAB-R&E250300015A-LE Tx. Spurious NVNT BLE 2M 2480MHz Ant1 Ref Spectrum Analyzer 1 Swept SA SCPI + Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off Avg Type: Log-Power Avg|Hold: 100/100 Trig: Free Run KEYSIGHT Input: RF M ₩ ₩ ₩ ₩ PNNNNN Mkr1 2.480 021 GHz Ref LvI Offset -3.67 dB Ref Level 16.33 dBm -1.09 dBm Scale/Div 10 dB 15 ET Center 2.480000 GHz #Res BW 100 kHz #Video BW 300 kHz Span 3.000 MHz Sweep 1.00 ms (1001 pts) ? Mar 10, 2025 2:54:13 PM 150 Tx. Spurious NVNT BLE 2M 2480MHz Ant1 Emission Spectrum Analyzer 1 Swept SA SCPI + Avg Type: Log-Pov Avg|Hold: 10/10 Trig: Free Run KEYSIGHT Input: RF Input Z: 50 Ω #Atten: 30 dB Preamp: Off Corr CCorr Freq Ref: Int (S) <u>M</u> ₩ ₩ ₩ ₩ Align: Auto PNNNN Mkr1 2.480 2 GHz 1 Spectrum Ref LvI Offset -3.67 dB Ref Level 16.33 dBm -1.13 dBm Scale/Div 10 dB **∆**5 Stop 26.50 GHz Sweep ~2.53 s (30001 pts) Start 30 MHz #Res BW 100 kHz #Video BW 300 kHz Function Function Width Function Value 2.480 2 GHz -1.13 dBm 2.287 9 GHz 5.112 2 GHz 7.292 5 GHz 9.741 0 GHz -51.68 dBm -59.24 dBm -61.03 dBm -60.71 dBm ZZZZ ? Mar 10, 2025 2:54:44 PM ** W5E tion& Testin W5 C1 ADD: Building A-B, Baoli'an Industrial Park, No. 58 and 60, Tangtou Avenue 深圳世标检测认证股份有限公司 TEL: 0086-755-26996192 26996053 26996144 FAX: 0086-755-86376605 Page 38 of 51





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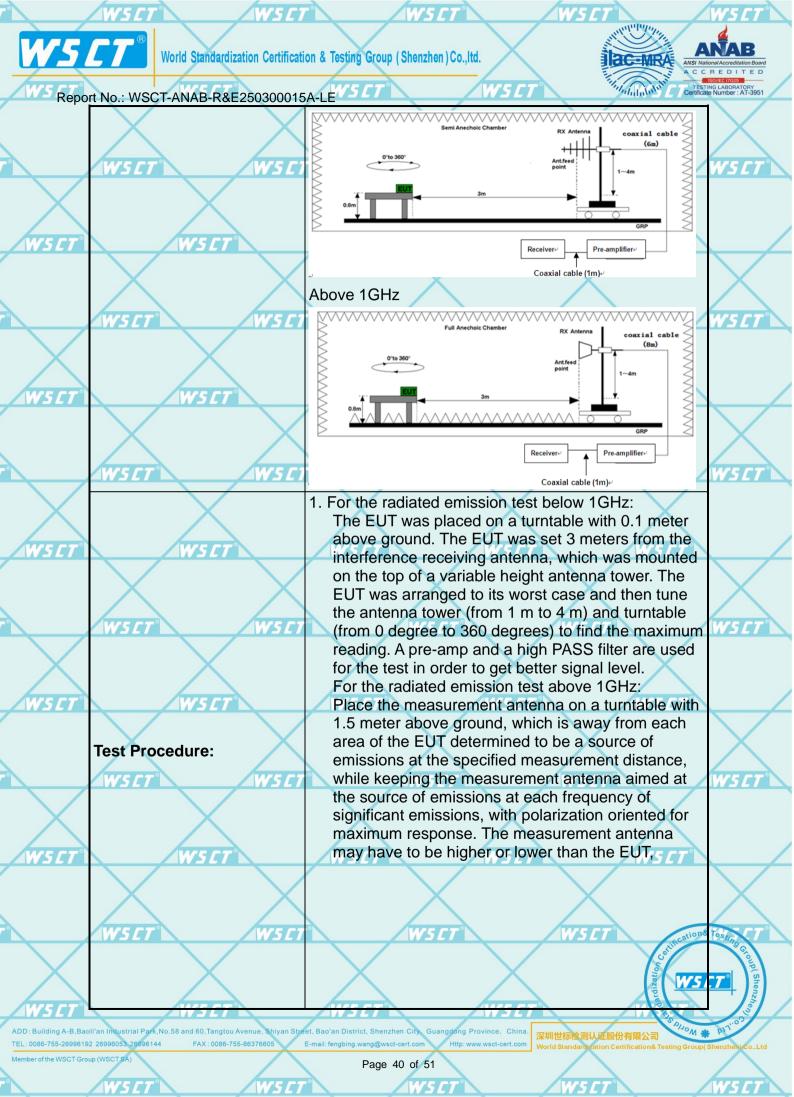
6.7. Radiated Spurious Emission Measurement

6.7.1. Test Specification

6.	7.1. Test Specification 550		W5CT		W5 L	7	W5 CT°
\times	Test Requirement:	FCC Part15	C Section	15.209		X	
W5ET°	Test Method;	ANSI C63.10):2014	WSIT		WSC	
AW-167	Frequency Range:	9 kHz to 25 (GHz				
	Measurement Distance:	3 m	X		X		
	Antenna Polarization:	Horizontal &	Vertical		W5L	7°	WSET
	Operation mode:	Refer to item	4.1				
		Frequency	Detector	RBW	VBW	Remark	
W5 CT	W5 CT °	9kHz- 150kHz 150kHz-	Quasi-peak Quasi-peak	Z 1 / MD // MI	1kHz 30kHz	Quasi-peak Va Quasi-peak Va	
	Receiver Setup:	30MHz	, , , , , , , , , , , , , , , , , , ,	· • • • • • • • • • • • • • • • • • • •	00,	/	
		30MHz-1GHz	Quasi-peak		300KHz	Quasi-peak Va	
	WS ET WS E1	Above 1GHz	Peak Peak	1MHz 1MHz	3MHz 10Hz	Peak Value Average Value	
$\overline{}$	WSCT WSCI		I can	TIVITIZ	10112	Average valu	
\times		Frequen	cv	Field Stre		Measuremen	
		0.009-0.4		(microvolts 2400/F(F		Distance (mete	ers)
W5CT	WSET	0.490-1.7		24000/F(THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TW	307-7	7
		1.705-3		30		30	
	\times	30-88		100		3	X
	Limit:	88-216 216-96		150 200		3 3	
\rightarrow	WS CT WS CT	Above 9		500		3	W5 CT°
			_				
			Field	d Strength	Measure		
W5 CT	WSET	Frequency		ovolts/meter)	Distan (meter	A STATE OF THE PARTY OF THE PAR	or
		Above 1GHz		500 5000	3	Averag Peak	
	\wedge					1	$=$ \wedge
	W5 CT W5 CT	For radiated	emissions	s below 30	NVIDZ W5/	7	W5CT°
		Di	stance = 3m			Computer	
		†	 /		Pre -	-Amplifier	
W5CT [®]	Test setup:			\mathcal{A} Γ			
		EUT	3				
			Turn table				
	Western Tuesday		1		- ¬	Receiver	

30MHz to 1GHz

Ground Plane









SET

Report No.: WSCT-A	ANAB-R&E250300015	A-LEWS CT	W.S
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		depending on the radiation pattern of the emission	
		and staying aimed at the emission source for	/
	WSET WSET	receiving the maximum signal. The final	7.1
	WELL	measurement antenna elevation shall be that which	1
		maximizes the emissions. The measurement	
		antenna elevation for maximum emissions shall be	
		restricted to a range of heights of from 1 m to 4 m	
W5 ET	WSET®	above the ground or reference ground plane.	
		2. Corrected Reading: Antenna Factor + Cable Loss +	
		Read Level - Preamp Factor = Level	1
		3. For measurement below 1GHz, If the emission level	
	W5CT W5CT	of the EUT measured by the peak detector is 3 dB	
		lower than the applicable limit, the peak emission	
X	X	level will be reported. Otherwise, the emission	
		measurement will be repeated using the quasi-peak	
W5CT°	W5CT°	detector and reported vs cr	
		4. Use the following spectrum analyzer settings:	/
	X	(1) Span shall wide enough to fully capture the	
		emission being measured;	
	WSCT WSCI	(2) Set RBW=100 kHz for f < 1 GHz; VBW ≥RBW;	W.
		Sweep = auto; Detector function = peak; Trace =	
X	X	max hold;	
		(3) Set RBW = 1 MHz, VBW= 3MHz for f 1 GHz for	
W5CT"	W5 ET	peak measurement.	
		For average measurement: VBW = 10 Hz, when	/
	X	duty cycle is no less than 98 percent. VBW ≥ 1/T,	
		when duty cycle is less than 98 percent where T is	
	WSCT WSCT	the minimum transmission duration over which the	17
		transmitter is on and is transmitting at its maximum	
X	X	power control level for the tested mode of operation.	
	Test mode:	Refer to section 4.1 for details	
W5CT*	Test results: /5 [7]	PASSICT WSCT WSCT	

Note: Freq. = Emission frequency in MHz Reading level (dB μ V) = Receiver reading Corr. Factor (dB) = Attenuation factor + Cable loss

Level $(dB\mu V)$ = Reading level $(dB\mu V)$ + Corr. Factor (dB)Limit $(dB\mu V)$ = Limit stated in standard

Margin (dB) = Level (dB μ V) – Limits (dB μ V)

W5 CT

W5 ET

W5 ET

W5 ET

W5C1

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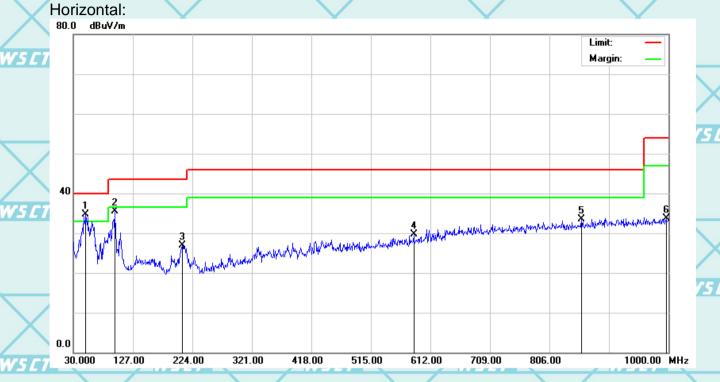
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6.7.2. Test Data

Please refer to following diagram for individual Below 1GHz



	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	The same	X
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	V5 ET
X	1	*	50.3700	36.88	-2.14	34.74	40.00	-5.26	QP	
15 E T	2	1	97.9000	41.23	-5.68	35.55	43.50	-7.95	QP	
	3	17.	207.5100	32.63	-5.75	26.88	43.50	-16.62	QP	\vee
	4	3	584.8400	26.23	3.43	29.66	46.00	-16.34	QP	
	745	1	858.3800	26.56	6.96	33.52	46.00	-12.48	QP	√5 € T ®
X	6		996.1200	25.10	8.55	33.65	54.00	-20.35	QP	

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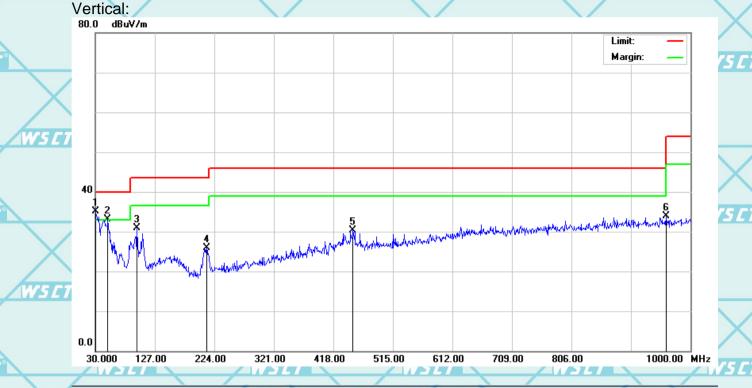
W5 C1





Report No.: WSCT-ANAB-R&E250300015A-LE

W5CT°



X	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	TA	
W5 []			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	
	1	*	30.0000	37.78	-2.60	35.18	40.00	-4.82	QP	X
	2	Ali	50.3700	35.21	-2.14	33.07	40.00	-6.93	QP	VS ET
	3		97.9000	36.54	-5.68	30.86	43.50	-12.64	QP	
	4		211.3900	31.37	-5.55	25.82	43.50	-17.68	QP	
W5 CT	145	4	450.0100	29.31	0.98	30.29	46.00	-15.71	QP	
	6		960.2300	25.72	8.22	33.94	54.00	-20.06	QP	X

Note1:

Freq. = Emission frequency in MHz

Reading level (dBµV) = Receiver reading

Corr. Factor (dB) = Antenna factor + Cable loss - Amplifier factor.

Measurement ($dB\mu V$) = Reading level ($dB\mu V$) + Corr. Factor (dB)

Limit (dBµV) = Limit stated in standard

Margin (dB) = Measurement (dB μ V) – Limits (dB μ V)

WSCT WSCT WSCT

W5CT

A standardization

W5CT°

WSIT

aws ct

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WSE

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W5 C1

Above 1GHz

Note 1: The marked spikes near 2400 MHz with circle should be ignored because they are Fundamental

Note 2: The spurious above 18G is noise only, do not show on the report.

GFSK

Low channel: 2402MHz

Horizontal:



	ı
TTTTT	ı
	μ
	ı
	п

	Suspu	ited Data Lis	st								
	NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
	1	2405.0000	45.69	7.59	38.1	74	-28.31	29.7	Horizontal	PK	Pass
	1	2405.0000	36.76	7.59	29.17	54	-17.24	29.7	Horizontal	AV	Pass
	2	3875.0000	48.79	11.52	37.27	74	-25.21	212.6	Horizontal	PK	Pass
	2	3875.0000	39.74	11.52	28.22	54	-14.26	212.6	Horizontal	AV	Pass
	3	5933.7500	56.54	21.99	34.55	74	-17.46	356.1	Horizontal	PK	Pass
/	3	5933.7500	47.18	21.99	25.19	54	-6.82	356.1	Horizontal	AV	Pass
	4	11970.0000	48.36	38.63	9.73	74	-25.64	111.7	Horizontal	PK	Pass
/	4	11970.0000	39.27	38.63	0.64	54	-14.73	111.7	Horizontal	AV	Pass
,	5	14046.0000	50.35	41.44	8.91	74	-23.65	6.2	Horizontal	PK	Pass
7	5	14046.0000	42.45	41.44	1.01	54	-11.55	6.2	Horizontal	AV	Pass
	6	17901.0000	54.22	45.84	8.38	74	-19.78	97.4	Horizontal	PK	Pass
	6	17901.0000	46.18	45.84	0.34	54	-7.82	97.4	Horizontal	AV	Pass

WS CT W5 ET W5E1 W5 ET

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W5CT



WSCT





Report No.: WSCT-ANAB-R&E250300015A-LE

W5 C7

Vertical:



W5 C

W5 E

1	Suspu	Susputed Data List											
	NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict		
	1	2399.3750	45.31	7.57	37.74	74	-28.69	49.8	Vertical	PK	Pass		
	1	2399.3750	37.18	7.57	29.61	54	-16.82	49.8	Vertical	AV	Pass		
1	2	3897.5000	49.29	11.71	37.58	74	-24.71	321.2	Vertical	PK	Pass		
	2	3897.5000	40.11	11.71	28.4	54	-13.89	321.2	Vertical	AV	Pass		
1	3	5870.6250	56.47	21.21	35.26	74	-17.53	164.6	Vertical	PK	Pass		
71	3	5870.6250	46.39	21.21	25.18	54	-7.61	164.6	Vertical	AV	Pass		
	4	11649.0000	44.78	38.92	5.86	74	-29.22	16.5	Vertical	PK	Pass		
	4	11649.0000	37.12	38.92	-1.8	54	-16.88	16.5	Vertical	AV	Pass		
	5	13633.5000	49.32	40.55	8.77	74	-24.68	92.4	Vertical	PK	Pass		
	5	13633.5000	41.55	40.55	1	54	-12.45	92.4	Vertical	AV	Pass		
	6	17895.0000	53.34	45.8	7.54	74	-20.66	135.4	Vertical	PK	Pass		
1	6	17895.0000	45.32	45.8	-0.48	54	-8.68	135.4	Vertical	AV	Pass		

W5 CI W5C

W5 CI

W5 CT

W5E

W5 E1

W5C1

W5 C1

W5 CT

W5 [7

W5 C7

W5C1

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W5 CT

W5 CT

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W5 ET







Report No.: WSCT-ANAB-R&E250300015A-LE

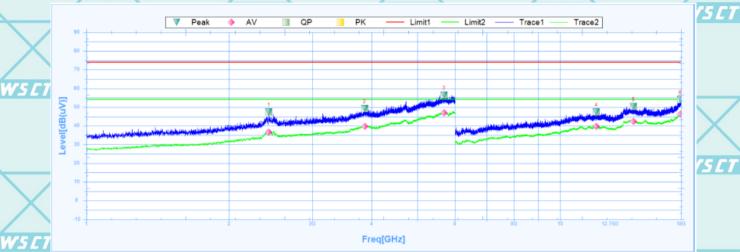
W5E7

Middle channel: 2440MHz Horizontal:

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FAX: 0086-755-86376605



	Suspu	ıted Data Lis	it								
	NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
	1	2426.2500	47.42	7.66	39.76	74	-26.58	17.7	Horizontal	PK	Pass
/	1	2426.2500	36.59	7.66	28.93	54	-17.41	17.7	Horizontal	AV	Pass
	2	3867.5000	49.11	11.46	37.65	74	-24.89	47.5	Horizontal	PK	Pass
	2	3867.5000	39.69	11.46	28.23	54	-14.31	47.5	Horizontal	AV	Pass
7	3	5685.0000	56.43	21.21	35.22	74	-17.57	357.3	Horizontal	PK	Pass
2.4	3	5685.0000	47.09	21.21	25.88	54	-6.91	357.3	Horizontal	AV	Pass
	4	11928.0000	47.41	38.66	8.75	74	-26.59	116.5	Horizontal	PK	Pass
	4	11928.0000	39.72	38.66	1.06	54	-14.28	116.5	Horizontal	AV	Pass
	5	14286.0000	50.33	41.13	9.2	74	-23.67	178.6	Horizontal	PK	Pass
	5	14286.0000	42.44	41.13	1.31	54	-11.56	178.6	Horizontal	AV	Pass
1	6	17944.5000	53.97	46.13	7.84	74	-20.03	95	Horizontal	PK	Pass
	6	17944.5000	46.4	46.13	0.27	54	-7.6	95	Horizontal	AV	Pass

6	1/944.5000	53.97	46.13	7.84	/4	-20.03	95	Horizontal	PK	Pass	
6	17944.5000	46.4	46.13	0.27	54	-7.6	95	Horizontal	AV	Pass	
WSET		WSCT		WSC		W	S C T		WS	7	
	WS CT		WSET		WSE	7		WSE		/	VSET
WSET		WSET		WSE			SET		WSI		
	WS CT*		WSET		WSE		,	WSCI		incation& Te	
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W5 CT





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W5 E1

Vertical:



W5E

W5 C

_	Suspu	Susputed Data List													
	NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict				
	1	2396.8750	46.32	7.56	38.76	74	-27.68	27.2	Vertical	PK	Pass				
	1	2396.8750	36.4	7.56	28.84	54	-17.6	27.2	Vertical	AV	Pass				
1	2	3918.1250	48.95	11.88	37.07	74	-25.05	0.4	Vertical	PK	Pass				
	2	3918.1250	39.82	11.88	27.94	54	-14.18	0.4	Vertical	AV	Pass				
	3	5936.2500	56.55	22.03	34.52	74	-17.45	-0.1	Vertical	PK	Pass				
77	3	5936.2500	47.43	22.03	25.4	54	-6.57	-0.1	Vertical	AV	Pass				
_	4	12133.5000	47.81	38.64	9.17	74	-26.19	303	Vertical	PK	Pass				
	4	12133.5000	38.84	38.64	0.2	54	-15.16	303	Vertical	AV	Pass				
	5	14542.5000	50.49	40.79	9.7	74	-23.51	360	Vertical	PK	Pass				
	5	14542.5000	41.73	40.79	0.94	54	-12.27	360	Vertical	AV	Pass				
	6	17967.0000	53.66	46.28	7.38	74	-20.34	355.8	Vertical	PK	Pass				
1	6	17967.0000	46.81	46.28	0.53	54	-7.19	355.8	Vertical	AV	Pass				

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W5 []

W5C1 W5 C1 W5 C1 W5 []

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W5 CT

WSET W5 CT

W5 CT

W5C1



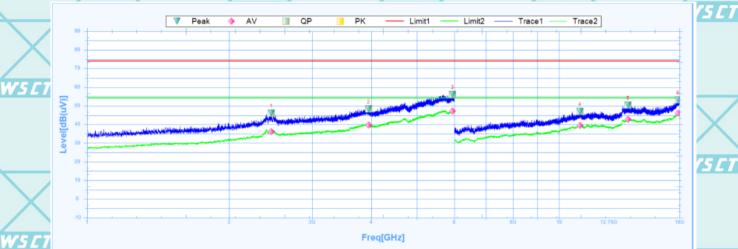




Report No.: WSCT-ANAB-R&E250300015A-LE

W5C1

High channel: 2480MHz Horizontal:



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	Susputed Data List											١
	NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict	1
	1	2455.6250	46.09	7.76	38.33	74	-27.91	230.5	Horizontal	PK	Pass	1
/	1	2455.6250	36.18	7.76	28.42	54	-17.82	230.5	Horizontal	AV	Pass	
	2	3950.0000	48.28	11.92	36.36	74	-25.72	17.7	Horizontal	PK	Pass	
	2	3950.0000	39.64	11.92	27.72	54	-14.36	17.7	Horizontal	AV	Pass	
F,	3	5948.1250	55.99	22.06	33.93	74	-18.01	0	Horizontal	PK	Pass	
	3	5948.1250	47.17	22.06	25.11	54	-6.83	0	Horizontal	AV	Pass	
	4	11073.0000	47.09	39.43	7.66	74	-26.91	218	Horizontal	PK	Pass	1
	4	11073.0000	39.51	39.43	0.08	54	-14.49	218	Horizontal	AV	Pass	
	5	14005.5000	50.27	41.49	8.78	74	-23.73	91.4	Horizontal	PK	Pass	
	5	14005.5000	42.81	41.49	1.32	54	-11.19	91.4	Horizontal	AV	Pass	7
/	6	17874.0000	53.23	45.66	7.57	74	-20.77	12.7	Horizontal	PK	Pass	
	6	17874.0000	46.14	45.66	0.48	54	-7.86	12.7	Horizontal	AV	Pass	

		\times			
	W5 CT	WSET	WSET	W5ET°	WSET
\times					
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	WS CT°	W5ET°	WSCT	WSII cations tests
WSET	WSG	WSET	WSET	WSET Shenzhon

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W5 CT

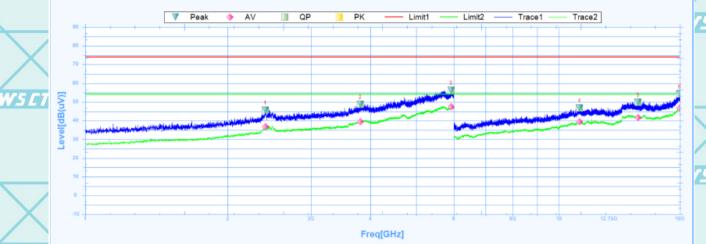
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	Suspu	Susputed Data List									
	NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
	1	2399.3750	45.74	7.57	38.17	74	-28.26	268.6	Vertical	PK	Pass
	1	2399.3750	36.95	7.57	29.38	54	-17.05	268.6	Vertical	AV	Pass
/	2	3807.5000	48.82	11.05	37.77	74	-25.18	106.1	Vertical	PK	Pass
	2	3807.5000	39.42	11.05	28.37	54	-14.58	106.1	Vertical	AV	Pass
	3	5920.6250	56.29	21.83	34.46	74	-17.71	59.4	Vertical	PK	Pass
77	3	5920.6250	47.34	21.83	25.51	54	-6.66	59.4	Vertical	AV	Pass
	4	11053.5000	46.89	39.45	7.44	74	-27.11	0.8	Vertical	PK	Pass
	4	11053.5000	39.6	39.45	0.15	54	-14.4	0.8	Vertical	AV	Pass
	5	14703.0000	49.88	40.59	9.29	74	-24.12	264.7	Vertical	PK	Pass
	5	14703.0000	41.71	40.59	1.12	54	-12.29	264.7	Vertical	AV	Pass
	6	17983.5000	54.3	46.39	7.91	74	-19.7	315	Vertical	PK	Pass
1	6	17983.5000	46.79	46.39	0.4	54	-7.21	315	Vertical	AV	Pass

Note:

- 1. The emission levels of other frequencies are very lower than the limit and not show in test report.
- / S / 2. Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency.
 - 3. Data of measurement shown "-"in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.
 - 4. Measurements were conducted in all three modulation (GFSK, Pi/4 DQPSK, 8DPSK), and the worst case Mode (GFSK) was submitted only.
 - 5. EUT has been tested in unfolded states, and the report only reflects data in the unfolded state (worst-case scenario)

WSCT WSCT WSCT WSCT WSCT

SET WSET WSET

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6.7.3. Restricted Bands Requirements

Bluetooth (GFSK, Pi/4-DQPSK, 8DPSK) mode have been tested, and the worst result GFSK model was report

	as below						/		
\langle	Frequency	Reading	Correct Factor	Emission Level	Limit	Margin	Polar	Detector	
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	H/V		
		A VALUE		Low Cha	nnel				
	2387	60.88	-8.76	52.12	74	21.88	Н	PK	\rightarrow
	2387	53.61	-8.76	44.85	54	9.15	H	AV	
	2387	60.87	-8.73	52.14	V745 C1	21.86	VV 5 L	PK	W5
	2387	57.88	-8.73	49.15	54	4.85	V	AV	
	2390	64.96	-8.76	56.20	74	17.80	Н	PK	
C 7	2390	56.86	-8.76	48.10	54	5.90	H	AV _V 5	CT°
	2390	60.43	-8.73	51.70	74	22.30	V	PK	
	2390	55.74	-8.73	47.01	54	6.99	V	AV	
		High Channel							
	2483.5	64.72	-8.17	56.55	74	17.45	H	PK	W.5
	2483.5	54.37	-8.17	46.20	54	7.80	Н	AV	
	2483.5	63.45	-8.17	55.28	74	18.72	V	PK	
<u>C</u> 7	2483.5	53.43	-8.17	45.26	54	8.74	V	AVV5	CT°
	Note: Fred - F	mission frequen	cy in MHz						

Note: Freq. = Emission frequency in MHz Reading level (dBµV) = Receiver reading

Corr. Factor (dB) = Attenuation factor + Cable loss

Level $(dB\mu V)$ = Reading level $(dB\mu V)$ + Corr. Factor (dB)

Limit $(dB\mu V)$ = Limit stated in standard Margin (dB) = Level $(dB\mu V)$ – Limits $(dB\mu V)$

W5C1

WS CI W5 ET

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