W5 CT





WSET

# **TEST REPORT**

W5CT

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WSIT

FCC ID: 2AIZN-X6873

W5CT"

**Product: Mobile Phone** 

Model No.: X6873

Issued Date: 26 February 2025

W51

W5ET

Trade Mark: Infinix

Report No.: WSCT-ANAB-R&E250100001A-Wi-Fi1

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Issued for:

WSIT

INFINIX MOBILITY LIMITED

WSET

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

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Issued By:

W5 CT°

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World Standardization Certification & Testing Group(Shenzhen) Co.,Ltd.
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apply to the tested sample.

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X	$\times$ $\times$ $\times$ $\times$	
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W5 CT





WS CT

W5CT

Report No.: WSCT-ANAB-R&E250100001A-Wi-Fi1

#### **Test Certification** 1.

**Product:** Mobile Phone

**Additional** Model:

Model No.:

Infinix

X6873

**INFINIX MOBILITY LIMITED Applicant:** 

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

W5 ET

MEI STREET FOTAN NT HONGKONG

**INFINIX MOBILITY LIMITED Manufacturer:** 

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

MEI STREET FOTAN NT HONGKONG

**Date of Test:** 07 January 2025 to 26 February 2025

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

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, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Cher Checked By: Tested By: (Chen Xu) (Wang Xiang) W5C Approved By: (Li Huaibi) WSET" WSCT

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W5C1

W5 CT



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Report No.: WSCT-ANAB-R&E250100001A-Wi-Fi1

#### **Test Result Summary** 2.

	WSCT WST	WSCT	WSCT	W5CT
7	Requirement	CFR 47 Section	Result	
	Antenna requirement	§15.203/§15.247 (c)	PASS	
	AC Power Line Conducted Emission	§15.207	PASS	$\bigvee$
	Maximum Conducted Output Power	§15.247 (b)(3) §2.1046	W5 PASS	W5ET
	6dB Emission Bandwidth	§15.247 (a)(2) §2.1049	PASS W5.77	
	Power Spectral Density	§15.247 (e)	PASS	
	W5 C1 Band Edge	1§5.247(d) §2.1051, §2.1057	W5 C PASS	WSET
	Spurious Emission	§15.205/§15.209 §2.1053, §2.1057	PASS	
	Note:		17.15	

#### Note:

W5 CT

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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.

WSCT	WSET	WSET	WSET	WSET	
				$\times$	$\times$
	WSET	WSET	WSET	WSET	WSET

WS ET

W5 CT WS ET WS CT W5 C1

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W5 CT

W5CT



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Report No.: WSCT-ANAB-R&E250100001A-Wi-Fi1

## 3. EUT Description

	Product:	Mobile Phone WSET WSET	V5 CT
$\langle$	Model No.:	X6873	
r T	Trade Mark:	Infinix WSCT WSCT	
	Operation Frequency:	2412MHz~2462MHz (802.11b/g/n(HT20) 2422MHz~2452MHz (802.11n(HT40)	$\times$
	Channel Separation:	5MHz	VECT
<	Modulation type:	DSSS (DBPSK, DQPSK, CCK) for IEEE 802.11b OFDM (BPSK,QPSK,16QAM,64QAM,256QAM,1024QAM) for IEEE 802.11g/n/ax	FIGA
C T	Antenna Type:	Integral Antenna WS [7]	
	Antenna Gain	ANT1:-3.1dBi,ANT2: -1.4dBi	
<u></u>	Operating Voltage:	Adapter: U450XSB Input: 100-240V~50/60Hz 1.8A Output: 5.0V3.0A 15.0W or 5.0-11.0V4.5A or 11.04.1A 45.0W MAX Rechargeable Li-ion Polymer Battery: BL-55AX Rated Voltage: 3.91V Rated Capacity: 5350mAh/20.92Wh Typical Capacity: 5500mAh/21.51Wh Limited Charge Voltage: 4.50V	WSET
_	Remark:	N/A.	WS CT®
-			

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

2. The antenna gain is provided by the customer. For any reported data issues caused by the antenna gain, World Standardization Certification&Testing Group (Shenzhen) Co., Ltd assumes no responsibility.

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AWS CT

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World Standard zation Certification& Testing Group( Shenzhe







CT WSCT WSCT

Report No.: WSCT-ANAB-R&E250100001A-Wi-Fi1

Operation Frequency each of channel For 802.11b/g/n(HT20)

•	operation.	i i icquency	Cacil Oi	CHAINCI I O	1 002.11	<i>org/11(11120)</i>		<u>.</u>
	Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
_	MPLI	2412MHz	W <sub>4</sub> LI	2427MHz	M <del>7</del> 54	2442MHz	10	2457MHz
	2	2417MHz	5	2432MHz	8	2447MHz	11	2462MHz
	3	2422MHz	6	2437MHz	9	2452MHz		

WSCT WSCT WSCT WSCT WSCT

Operation Frequency each of channel For 802.11n(HT40)

Chan	nel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
W	; <i>CT</i>		w4, r7	2427MHz	W/sr	2442MHz	W75 C	7
			5	2432MHz	8	2447MHz		
3		2422MHz	6	2437MHz	9	2452MHz		X

WSCT Note: WSCT WSCT WSCT WSCT

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see helow:

WSCT WSCT WSCT WSCT

802.11b/g/n(HT20)

Channel	Frequency
The lowest channel	2412MHz
The middle channel	2437MHz
The Highest channel	2462MHz

802.11n(HT40) WSET WSET WSET WSET

Channel	Frequency
The lowest channel	2422MHz
The middle channel	2437MHz
The Highest channel	2452MHz

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WSCT WSCT WSCT WSCT

WSCT WSCT WSCT

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Report No.: WSCT-ANAB-R&E250100001A-Wi-Fi1

#### **Genera Information** 4.

**Operating Environment:** 

maximum state.

### 4.1. Test environment and mode

	Temperature:	25.0 °C	
	Humidity:	56 % RH	
	Atmospheric Pressure:	1010 mbar	X
	Test Mode:		
7	Engineering mode:	Keep the EUT in continuous transmitting by select channel and modulations(The	WSL
		value of duty cycle is 98.46%)	
7	The sample was placed (0.8m below 1GH	z, 1.5m above 1GHz) above the ground	
	plane of 3m chamber. Measurements in be performed. During the test, each emission continuously working, investigated all oper 2) and considered typical configuration to	was maximized by: having the EUT rating modes, rotated about all 3 axis (X, Y &	WSG
	interconnecting cables, rotating the turntal	ole, varying antenna height from 1m to 4m in The emissions worst-case are shown in Test	

We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

Results of the following pages. For the full battery state and The output power to the

Per-scan all kind of data rate in lowest channel, and found the follow list which it

was worst case.			
WSCT	ws Mode	WSCT	WSCT

802.11b

802.11n(H20)

802.11n(H40)

802.11g

**Final Test Mode:** 

Operation mode: Keep the EUT in continuous transmitting with modulation

1. For WIFI function, the engineering test program was provided and enabled to make EUT continuous transmit/receive.2. According to ANSI C63.10 standards, the test results are both the "worst case" and "worst setup" 1Mbps for 802.11b, 6Mbps for 802.11g, 6.5Mbps for 802.11n(H20). Duty cycle setting during the transmission is 98.5% with maximum power setting for all modulations.



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### **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.

<u> 7</u>	Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
	1	Adapter		U450XSB	1/	/

#### Note:

'an Industrial Park, No.58 a

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

WSCT	WSET	WSET	W5 CT	WSCT
WSET	WSET	WSET	WSET	WSET
WSCT	WSET	WSET	WSET	WSET
WSCT	WSET	WSET	WSLT	WSET
WSET	WSET	WSET	WSET	WSCT
WSCT	WSET	WSET	WSCT	WSET
WSCT	WSET	WSET	WSET	X
WSET	WSET	WSET	WSET	WSCT Shear 200 Cloup (Shear 200)

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#### **Facilities and Accreditations** 5.

5.1. Facilities

All measurement facilities used to collect the measurement data are located at Building A-B, Baoli'an Industrial Park, No. 58 and 60, Tangtou Avenue, Shiyan Street, Bao'an District, Shenzhen City, Guangdong Province, China of the World Standardization Certification & Testing Group (Shenzhen) 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."

### 5.2. ACCREDITATIONS

ANAB - Certificate Number: AT-3951

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

	Accreditation (AIV)	AB). Ceruncation Num	iber. A1-3931		
	WSET	W5 ET	WSCT	WSET	WSLT
			$\times$	$\times$	$\times$
WS	GT W	SET W	SET	WS CT	WS ET
	WSET	WSET	WSET	WSET	WSET
WS		$\langle \hspace{0.1cm} \rangle$	SET	WSET	WSET
	WSCT	WSET	WSET	WSET	WSCT
WS		$\langle \hspace{0.1cm} \rangle$	SET	WSET	WSET
	WSET	WSET	WSET	WSET	X
WS		$\langle \hspace{0.1cm} \rangle$	$\times$	WSET	WSLT WSLT

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### 5.3. Measurement Uncertainty

	No.	Item	MU	W5 C7
	1	Conducted Emission Test	±3.2dB	
	2	RF power, conducted	±2.4%	
	3	Spurious emissions, conducted	±0.21dB	
	4	All emissions, radiated(<1GHz)	±4.7dB	$\times$
	5W5 C	All emissions, radiated(>1GHz) W5 [7] W5	±4.7dB	W5
	6	Temperature	±0.5°C	
	7	Humidity	±2.0%	
	8	Receiver Spurious Emissions	±2.5%	
	9	Transmitter Unwanted Emissions in the Spurious Domain	±2.5%	$\times$
_	10/5 L	Transmitter Unwanted Emission in the out-of Band	±1.3%	W5 C1
	11	Occupied Channel Bandwidth	±2.4%	
1	OTE 4 T			

NOTE:1. 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 %.

2. The Ulab is less than Ucispr, compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit; non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.

3. For conducted emission test of laboratory have a measurement uncertainty greater than that specified in harmonized standard, this equipment can still be used provided that an adjustment is made follows: any additionan uncertainty in the test system over and above that specified in harmonized standard should be used to tighter the test requirements-making the test harder to pass. This procedure will ensure that a test system not comliant with harmonized standard does not increase the probability of passing a EUT that would otherwise have failed a test if a test system comliant with harmonized standard had been used.

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## **5.4.MEASUREMENT INSTRUMENTS**

	<u> </u>										
_	NAME OF EQUIPMENT	MANUFACTURER	MODEL	SERIAL NUMBER	Calibration Date	Calibration Due.	'5 E				
	Test software		EZ-EMC	CON-03A	-	<u> </u>					
C	Test software	- /	MTS8310	WSET	- /	VS CT					
	EMI Test Receiver	R&S	ESCI	100005	11/05/2024	11/04/2025					
	LISN	AFJ	LS16	16010222119	11/05/2024	11/04/2025	$\wedge$				
	LISN(EUT)	Mestec	AN3016/5/	04/10040	11/05/2024	11/04/2025	'5 E				
<	Universal Radio Communication Tester	R&S	CMU 200	1100.0008.02	11/05/2024	11/04/2025					
C	Coaxial cable	Megalon V	/5 LMR400	N/A _ T	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					
	Pre Amplifier	H.p.CT	HP8447E 5 4	2945A02715	11/05/2024	11/04/2025	15 C				
1	Pre-Amplifier	CDSI	PAP-1G18-38		11/05/2024	11/04/2025					
	Bi-log Antenna	SCHWARZBECK	VULB9168	01488	7/29/2024	7/28/2025					
	9*6*6 Anechoic		75.1	W5-7	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	15 E				
_	Cable	TIME MICROWAVE	LMR-400	N-TYPE04	11/05/2024	11/04/2025					
	System-Controller	ccs	N/A	N/A	N.C.R	N.C.R					
C	Turn Table	ccs	ν <sub>5 Ε 1</sub> Ν/Α	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	$\wedge$				
	Loop Antenna	EMCO	6502 W 5 L	00042960	11/05/2024	11/04/2025	15 E				
<	Horn Antenna	SCHWARZBECK	BBHA 9170	1123	11/05/2024	11/04/2025					
	Power meter	Anritsu	ML2487A	6K00003613	11/05/2024	11/04/2025					
7	Power sensor	Anritsu	MX248XD	100	11/05/2024	11/04/2025					
	Spectrum Analyzer	Keysight	N9010B	MY60241089	11/05/2024	11/04/2025	X				

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#### Test Results and Measurement Data 6.

## 6.1. Antenna requirement

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. 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 Integral Antenna, it meets the standards, and the best case gain of the antenna is "ANT1:-3.1dBi,ANT2: -1.4dBi".

Please refer to the attached "X6873 Internal Photo" for the antenna location

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

Directional gain = GANT + Array Gain, where Array Gain is as follows.

For power spectral density (PSD) measurements on all devices,

Array Gain =  $10 \log(NANT/NSS=1) dB$ .

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for NANT  $\leq 4$ .

Directional gain may be calculated by using the formulas applicable to equal gain antennas with

GANT set equal to the gain of the antenna having the highest gain;

The EUT supports CDD mode.

For power, the directional gain GANT is set equal to the antenna having the highest gain, i.e.,

F)2)f)i).

For PSD, the directional gain calculation is following F)2)f)ii) of KDB 662911 D01

The directional gain "DG" is calculated as following table.

CDD Madaas	Ant1	Ant2	DG for power	DG for PSD
<cdd modes=""></cdd>	(dBi)	(dBi)	(dBi)	(dBi)
2412~2462MHz	-3.1	-1.4	-1.4	0.8

Power limit reduction = Composite gain -6dBi, (min = 0)

PSD limit reduction = Composite gain + PSD Array gain - 6dBi, (min = 0)

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## 6.2. Conducted Emission

## 6.2.1. Test Specification

**W5**CT"

W5 ET

4W5 C1

	o.z.r. rest specification		_
X	Test Requirement:	FCC Part15 C Section 15.207	
<u>L</u> T	Test Method:W5ET	ANSI C63.10:2014 W5 [T] W5 [T]	
	Frequency Range:	150 kHz to 30 MHz	$\times$
	Receiver setup:	RBW=9 kHz, VBW=30 kHz, Sweep time=auto	WSET
<u></u>	Limits:	Frequency range (MHz)         Limit (dBuV)           0.15-0.5         66 to 56*         56 to 46*           0.5-5         56         46           5-30         60         50	
	$\rightarrow$	Reference Plane	X
	WS CT WS	40cm 80cm LISN Filter AC power	WSET
CT	Test Setup: W5 CT	Remark E.U.T AC power  Test table/Insulation plane  Remark E.U.T. Equipment Under Test LISN: Line Impedence Stabilization Network Test table height=0.8m	WSET
	Test Mode:	Charging + transmitting with modulation	
ET	WS CT WS	<ol> <li>The E.U.T is connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment.</li> <li>The peripheral devices are also connected to the main</li> </ol>	WSET
<	Test Procedure:	power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs).	
	$\times$	3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of	X

WELT

Test Result:

C/T

**PASS** 

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the interface cables must be changed according to ANSI C63.10: 2014 on conducted measurement.

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WSC

Malalalate



Report No.: WSCT-ANAB-R&E250100001A-Wi-Fi1

### 6.2.2. EUT OPERATING CONDITIONS

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

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.

W5 E1 W5E WSE. W5 E1 WS CT W5 CT WS CI V5 C WS C W5C1 Page 14 of 113





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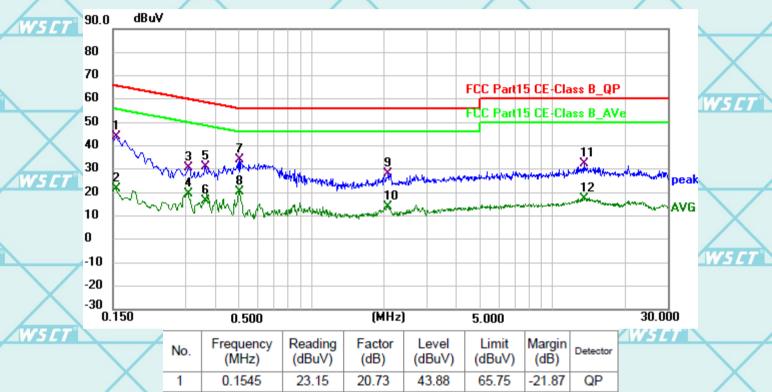
Test data

## Please refer to following diagram for individual

W5 CI

W5 C1

### Conducted Emission on Line Terminal of the power line (150 kHz to 30MHz)



	No.	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	Detector
	1	0.1545	23.15	20.73	43.88	65.75	-21.87	QP
W5 CT	2	0.1545	0.78	20.73	21.51	55.75	-34.24	AVG
11717	3	0.3075	10.08	20.63	30.71	60.04	-29.33	QP
	4	0.3075	-1.02	20.63	19.61	50.04	-30.43	AVG
	5	0.3615	10.60	20.59	31.19	58.69	-27.50	QP
	6	0.3615	-4.26	20.59	16.33	48.69	-32.36	AVG
	7 *	0.5010	13.73	20.51	34.24	56.00	-21.76	QP
X	8	0.5010	-0.08	20.51	20.43	46.00	-25.57	AVG
	9	2.0850	7.63	20.61	28.24	56.00	-27.76	QP
W5CT"	10	2.0850	-6.78	20.61	13.83	46.00	-32.17	AVG
	11	13.6005	12.24	20.25	32.49	60.00	-27.51	QP
	12	13.6005	-3.03	20.25	17.22	50.00	-32.78	AVG

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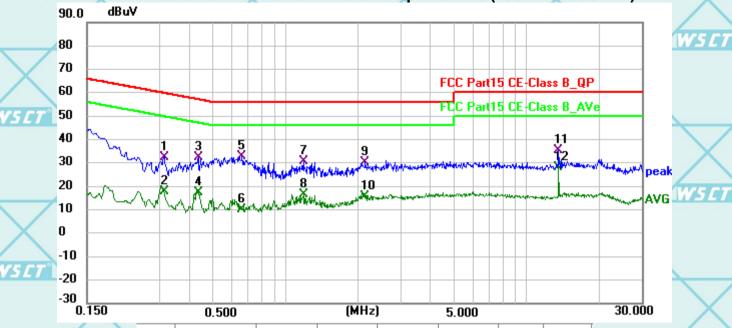




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## Conducted Emission on Neutral Terminal of the power line (150 kHz to 30MHz)



WSET	No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	
	1	0.3120	11.95	20.62	32.57	59.92	-27.35	QP	
	2	0.3120	-2.97	20.62	17.65	49.92	-32.27	AVG	
WSET	3	0.4335	11.81	20.55	32.36	57.19	-24.83	QP	
12.17	4	0.4335	-2.98	20.55	17.57	47.19	-29.62	AVG	
	5	0.6585	12.13	20.53	32.66	56.00	-23.34	QP	
	6	0.6585	-10.61	20.53	9.92	46.00	-36.08	AVG	
WSET	7	1.1895	9.81	20.66	30.47	56.00	-25.53	QP	
	8	1.1895	-4.22	20.66	16.44	46.00	-29.56	AVG	
X	9	2.1390	9.47	20.61	30.08	56.00	-25.92	QP	
	10	2.1390	-4.99	20.61	15.62	46.00	-30.38	AVG	
W5 CT"	11	13.5645	14.96	20.25	35.21	60.00	-24.79	QP	1
	12 *	13.5645	7.72	20.25	27.97	50.00	-22.03	AVG	

Note1:

Freq. = Emission frequency in MHz

Reading level  $(dB\mu V)$  = Receiver reading

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

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

 $Limit (dB\mu V) = Limit stated in standard$ 

 $Margin (dB) = Measurement (dB\mu V) - Limits (dB\mu V)$ 

Q.P. =Quasi-Peak AVG =average

\* is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz

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W5E1





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## 6.3. Maximum Conducted Output Power

6.3.1. Test Specification

W5 CT

	Test Requirement:	FCC Part15 C Section	1 15.247 (b)(3)		
W5ET°	Test Method:	KDB 558074	W5 CT	WS CT	
	Limit:	30dBm	X		$\times$
	Test Setup:				WS ET
		Spectrum Analyzer	EUT		
W5 CT	Test Mode:	Transmitting mode wit	h modulation	W5 ET	
WSCT	Test Procedure:	v04. 2. The RF output of E analyzer by RF ca	O74 DTS D01 Meas.  UT was connected to ble and attenuator. The to the results for each power setting and elements.	Guidance the spectrum ne path loss	WSCT
	Test Result:	Measure the conduresults in the test results in the test results.	cted output power and eport.		WSET

	WSET	WSET	WSET	WSET	WSET
WSCT	WSET	X			CT .





W5CT



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### 6.3.2. Test Data

0.3.2. Test Data						
ANT1W5CT	/	WSCT	WSET		WS	CT WSCT
W-E	Mode	Frequency	Total Power	Limit	Verdict	7.6
		(MHz)	(dBm)	(dBm)		
	b	2412	16.37	30	Pass	
	b	2437	16.78	30	Pass	
WSET	/ c / b°	2462	16.48	30	Pass	WSCT
	g	2412	20.76	30	Pass	
	g	2437	21.12	30	Pass	
	g	2462	21.17	30	Pass	
	n20	2412	20.79	30	Pass	
W5ET"	n20	2437	20.69	30	Pass	CT° WSCT°
	n20	2462	21.36	30	Pass	
	n40	2422	21.77	30	Pass	
	n40	2437	21.9	30	Pass	
	n40	2452	22.23	30	Pass	
WSET N	ax20	2412 ///5	22.07	305	Pass	W5 CT°
	ax20	2437	22.48	30	Pass	
	ax20	2462	22.49	30	Pass	
	ax40	2422	22.4	30	Pass	
	ax40	2437	22.85	30	Pass	
W5 LT	ax40	2452	22.7	30	Pass	T WSET
ANTO						

ANT2

			V		
Mode	Frequency	Total Power	Limit	Verdict	
	(MHz)	(dBm)	(dBm)		
_b	2412	14.41	305 -	Pass	W5 CT°
b	2437	14.37	30	Pass	
b	2462	14.3	30	Pass	
g	2412	18.11	30	Pass	
g	2437	18.71	30	Pass	
g/	2462	18.63	30	Pass	CT WS CT
n20	2412	17.84	30	Pass	
n20	2437	18.62	30	Pass	X
n20	2462	18.45	30	Pass	
n40	2422	18.91	30	Pass	The second secon
n40	2437	18.56	30	Pass	WSET
n40	2452	18.3	30	Pass	
ax20	2412	19.06	30	Pass	X
ax20	2437	18.93	30	Pass	
ax20	2462	19.03	30	Pass	CT <sup>3</sup>
ax40	2422	19.15	30	Pass	CT WSCT
ax40	2437	18.71	30	Pass	
ax40	2452	19.29	30	Pass	X
	b b g g g n20 n20 n20 n40 n40 n40 ax20 ax20 ax40 ax40	(MHz) b 2412 b 2412 b 2437 b 2462 g 2412 g 2437 g 2462 n20 2412 n20 2437 n20 2462 n40 2422 n40 2437 n40 2452 ax20 2412 ax20 2462 ax40 2422 ax40 2437	(MHz)         (dBm)           b         2412         14.41           b         2437         14.37           b         2462         14.3           g         2412         18.11           g         2437         18.71           g         2462         18.63           n20         2412         17.84           n20         2437         18.62           n20         2462         18.45           n40         2422         18.91           n40         2437         18.56           n40         2452         18.3           ax20         2412         19.06           ax20         2462         19.03           ax40         2422         19.15           ax40         2437         18.71	(MHz)         (dBm)         (dBm)           b         2412         14.41         30           b         2437         14.37         30           b         2462         14.3         30           g         2412         18.11         30           g         2437         18.71         30           g         2462         18.63         30           n20         2412         17.84         30           n20         2437         18.62         30           n20         2462         18.45         30           n40         2422         18.91         30           n40         2437         18.56         30           n40         2452         18.3         30           ax20         2412         19.06         30           ax20         2437         18.93         30           ax20         2462         19.03         30           ax40         2422         19.15         30           ax40         2437         18.71         30	(MHz)         (dBm)         (dBm)           b         2412         14.41         30         Pass           b         2437         14.37         30         Pass           b         2462         14.3         30         Pass           g         2412         18.11         30         Pass           g         2437         18.71         30         Pass           g         2462         18.63         30         Pass           n20         2412         17.84         30         Pass           n20         2437         18.62         30         Pass           n20         2462         18.45         30         Pass           n40         2422         18.91         30         Pass           n40         2437         18.56         30         Pass           n40         2452         18.3         30         Pass           ax20         2412         19.06         30         Pass           ax20         2462         19.03         30         Pass           ax40         2422         19.15         30         Pass           ax40         2422         <

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•						P
	Mode	Frequency	Total Power	Limit	Verdict	•
		(MHz)	(dBm)	(dBm)		
	n20	2412	22.57	30	Pass	
	n20	2437	22.79	30	Pass	
1	n20	2462	23.15	30	Pass	
/	n40	2422	23.58	30	Pass	
	n40	2437	23.55	30	Pass	
15	n40	2452	23.71	305	Pass	
	ax20	2412	23.83	30	Pass	
	ax20	2437	24.07	30	Pass	ı
	ax20	2462	24.11	30	Pass	١
	ax40	2422	24.08	30	Pass	
	ax40	2437	24.27	30	Pass	ĺ

24.33

30

Pass

W5E7 W5 CI

2452

W5 CI WS CT WSEI WSE WSE

W5 CT W5 CT WS ET W5 E1 W5 C1

W5 C W5E

W5 CI WS ET W5 CI W5 E1 tion& Testin

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W5 C7

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1 Granh Ref Lvi Offset 4.26 dB Ref Value 24.26 dBm Scale/Div 10.0 dB 143 Center 2.41200 GHz #Res BW 1.0000 MHz #Video BW 3.0000 MHz Span 40 MHz Sweep 1.00 ms (1001 pts) 16.37 dBm / 20.0 MHz Total Channel Power -56.64 dBm/Hz Total Power Spectral Density Jan 17, 2025 9:44:17 AM Power b 2437MHz 15 CT Spectrum Analyzer 1 Channel Power SCPI + Input Z: 50 Ω Center Freq: 2.437000000 GHz Avg|Hold: 100/100 Radio Std: None KEYSIGHT Input: RF Atten: 30 dB Trig: Free Run Gate: Off Corr CCorr Freq Ref: Int (S) Preamp: Off #PNO: Fast Align: Auto #IF Gain: Low 1 Graph Ref Lvi Offset 4.28 dB Ref Value 24.28 dBm Scale/Div 10.0 dB pt/Myharatalages.pfylodharachashiftydag.uk...l Center 2.43700 GHz #Res BW 1.0000 MHz Span 40 MHz Sweep 1.00 ms (1001 pts) #Video BW 3.0000 MHz 2 Metrics Total Channel Power 16.78 dBm / 20.0 MHz Total Power Spectral Density -56.23 dBm/Hz Jan 17, 2025 9:45:42 AM 

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## 6.4. Emission Bandwidth

6.4.1. Test Specification

W5 CT

W5 CT

W5 CT

W5 CT

$\times$	Test Requirement:	FCC Part15 C Section 15.247 (a)(2)
W5 CT°	Test Method:	KDB 558074
	Limit:	>500kHz
X	Test Setup:	Spectrum Analyzer EUT
W5 ET	Test Mode:	Transmitting mode with modulation W5 [7]
WS ET	Test Procedure:	<ol> <li>The testing follows FCC KDB Publication No. 558074 DTS D01 Meas. Guidance v04.</li> <li>Set to the maximum power setting and enable the EUT transmit continuously.</li> <li>Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. The 6dB bandwidth must be greater than 500 kHz.</li> </ol>
	Test Result:	be greater than 500 kHz. 4. Measure and record the results in the test report.  PASS

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W5 CT



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6.4.2. Test data(worst)

AM/C/T	` '	MACE	FT
WELL		UCI	54

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W5C1

W5 C1

$\times$	Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
CT	b /	2412	7.986	0.5	Pass
	b	2437	8.042	0.5	Pass
	b	2462	8.017	0.5	Pass
	g	2412	15.04	0.5	Pass
	g	2437	15.64	0.5	Pass
TT	g	2462	16.31	0.5	Pass
	n20	2412	16.90	0.5	Pass
	n20	2437	17.57	0.5	Pass
	n20	2462	17.51	0.5	Pass
	n40	2422	35.99	0.5	Pass
	n40	2437	34.42	0.5	Pass
	n40	2452	35.15	0.5	Pass
	ax20	2412	18.53	0.575	Pass
$\langle$	ax20	2437	16.55	0.5	Pass
	ax20	2462	18.87	0.5	Pass
	ax40	2422	35.79	0.5	Pass
CT N	ax40	W5 [T] 2437 W5 [	36.22	<b>V5</b> <i>LT</i> 0.5	Pass
	ax40	2452	37.14	0.5	Pass
	X	X	X	X	

WSET W5C1

W5 C1 W5 ET W5 C W5 C1

W5 CT W5 CT

> W5 CT W5 CT W5 ET W5 E1

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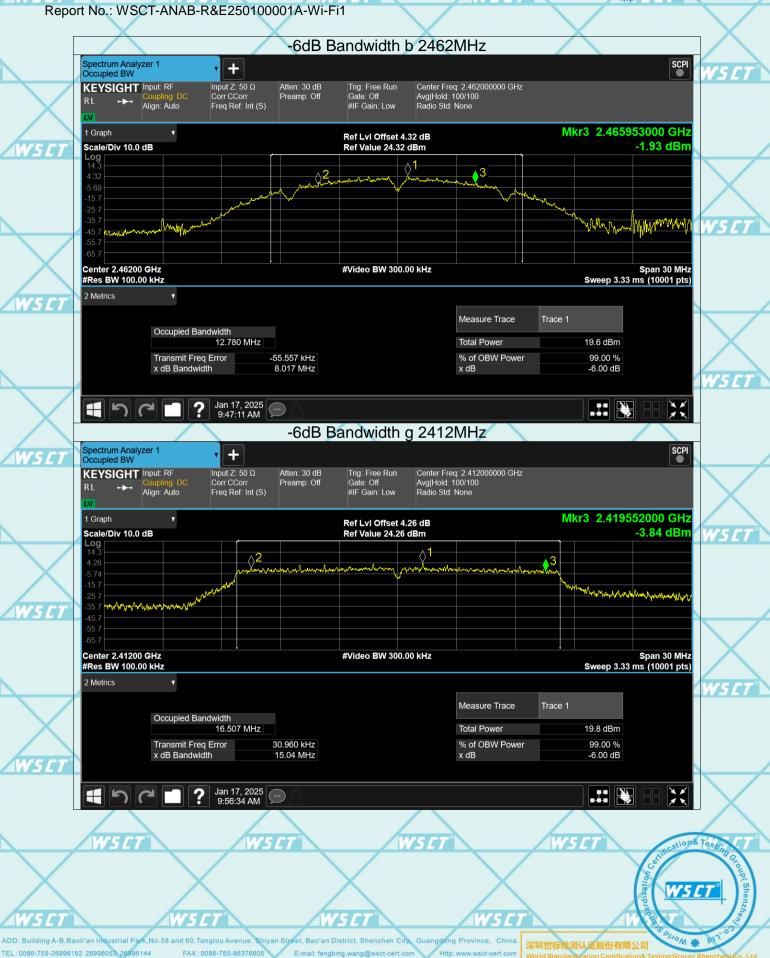


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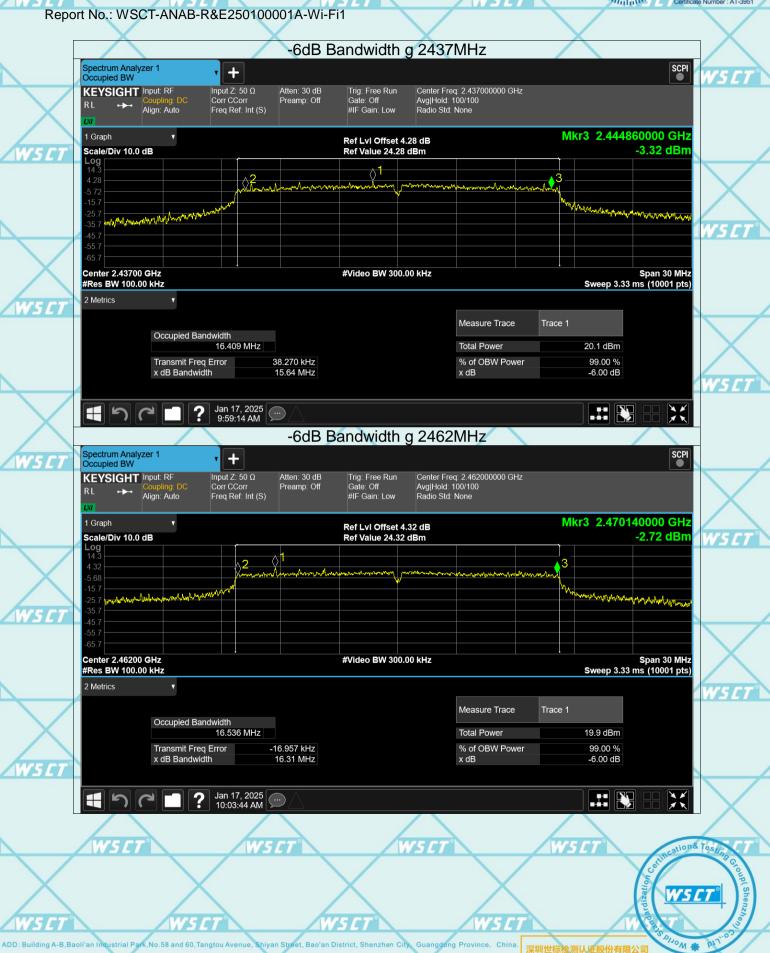


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