

WSET

TEST REPORT

W5ET

W5CT

FCC ID: 2ADYY-T1001W

WSCI

Product: Tablet

Model No.: T1001W

Trade Mark: TECNO

Report No.: WSCT-ANAB-R&E241000052A-Wi-Fi1

Issued Date: 07 November 2024

WSCT

Issued for:

WSET

TECNO MOBILE LIMITED

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

W5CT

W5ET"

Issued By:

WSET

W5 C1

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

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WSET

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WSET	Test Setup Photographs	WSET WSET	WS CT WS CT	WSCT WSCT
X	Test Setup Photographs WSCT WSCT WSCT	WSCT WSCT	WS CT WS CT	WSCT WSCT
WSET	Test Setup Photographs	WSCT WSCT	WS CT WS CT	WSCT WSCT WSCT Solve CT Solve

VSCT WSC

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Test Certification 1.

Product: Tablet

Model No.: T1001W

Additional **TECNO** Model:

TECNO MOBILE LIMITED Applicant:

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

MEI STREET FOTAN NT HONGKONG

TECNO MOBILE LIMITED Manufacturer:

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

MEI STREET FOTAN NT HONGKONG

Date of Test: 22 October 2024 to 07 November 2024

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.

Checked By: Tested By:

(Chen Xu) (Wang Xiang)

W5CT

Approved By:

(Li Huaibi)

WSET WSET WSET WSLT

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Test Result Summary 2.

WSCT [®] WS	WSCT	WSTT	W5 ET
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	WSET
6dB Emission Bandwidth	§15.247 (a)(2) W5 [7] §2.1049	PASS W5.ET	
Power Spectral Density	§15.247 (e)	PASS	
W5 [7] Band Edge	1§5.247(d) §2.1051, §2.1057	W5C PASS	W5 CT
Spurious Emission	§15.205/§15.209 §2.1053, §2.1057	PASS	

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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.

WSLT	WSET	WSET	WSLT	WSET	
					X
W5 L	W	ET W	ET W	SET"	W5ET®
\sim	\times	\sim	\sim	\sim	
WSET	WSET	W5 CT	WSET	WSET	

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Report No.: WSCT-ANAB-R&E241000052A-Wi-Fi1

EUT Description 3.

Product:	Tablet WSCT WSCT	V5 CT
Model No.:	T1001W	
Trade Mark:	TECNO WS.CT WS.CT	
Operation Frequency:	2412MHz~2462MHz (802.11b/g/n(HT20) 2422MHz~2452MHz (802.11n(HT40)	∇
Channel Separation:	5MHz	VICE COS
Modulation type:	DSSS (DBPSK, DQPSK, CCK) for IEEE 802.11b OFDM (BPSK,QPSK,16QAM,64QAM,256QAM,) for IEEE 802.11g/n	
Antenna Type:	PIFA Antenna WSET WSET	
Antenna Gain	-0.08dBi	\mathbf{V}
	Adapter1: FC447U Input: 100-240V~50/60Hz 0.5A MAX	WS CT°
	Output: 5.0V3.0A 15.0W 9.0V2.22A 19.98W	
Operating Voltage:	MARCET [®] MARCET [®] MARCET [®]	
	Nominal Voltage: 3.85V===	\searrow
	Botod Congoity 7000mAh	
	Rated Energy: 26.95Wh	<i>N5CT</i> °
Remark:	N/A.	
	Model No.: Trade Mark: Operation Frequency: Channel Separation: Modulation type: Antenna Type: Antenna Gain Operating Voltage:	Model No.: T1001W Trade Mark: TECNO 2412MHz~2462MHz (802.11b/g/n(HT20) 2422MHz~2452MHz (802.11n(HT40) 2422MHz~2452MHz (802.11b/g/n(HT20) 2422MHz~2452MHz

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

2. Antenna gain provided by the customer.

Configuration differences

	Configuration	Model	Camera	Adapter	LCD
	1	T1001W	SA1036G5M /	T1001	HJR101059D
	WS CI	100100	SE1035G13M	(Ganfeng)	WESTER
-	2	T1001W	AC55925 /	T1001	SAT101AT45IM0712-Q0054
	X	1 100100	AM5A926	(Gaoyuan)	3A1101A145IIVI0712-Q0054

Note: The prototypes of both configurations have been tested, and the "Configuration1" has the worst test result, which is the main test model reported

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

	Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
7	AWPLI	2412MHz	WAL I	2427MHz	14 7 54	2442MHz	10	2457MHz
	2	2417MHz	5	2432MHz	8	2447MHz	11	2462MHz
	3	2422MHz	6	2437MHz	9	2452MHz		

Operation Frequency each of channel For 802.11n(HT40)

	Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
	WS CT		w4 c7	2427MHz	W5C	2442MHz	V#5.5	7 /
7	-	-	5	2432MHz	8	2447MHz		-
	3	2422MHz	6	2437MHz	9	2452MHz		X

Note:

WS ET

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

802.11b/g/n(HT20)

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

802.11n(HT40)

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

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4. Genera Information

Operating Environment:

4.1. Test environment and mode

SET /	W5CT°	W5CT°

0	Temperature:	25.0 °C	
	Humidity:	56 % RH	
	Atmospheric Pressure:	1010 mbar	\times
	Test Mode:		
7	Engineering mode:	Keep the EUT in continuous transmitting by select channel and modulations(The value of duty cycle is 98.46%)	WSL
	The sample was placed (0.8m below 1GH plane of 3m chamber. Measurements in be performed. During the test, each emission continuously working, investigated all oper Z) and considered typical configuration to	oth horizontal and vertical polarities were was maximized by: having the EUT rating modes, rotated about all 3 axis (X, Y &	WSI
	interconnecting cables, rotating the turntal both horizontal and vertical polarizations. Results of the following pages. For the full	ole, varying antenna height from 1m to 4m in The emissions worst-case are shown in Test battery state and The output power to the	
	maximum state: rr \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		

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:

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

was worst case.			
WSET	W5 C Mode	WSET	WSET

802.11b 802.11g

802.11n(H20)

802.11n(H40)

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







Report No.: WSCT-ANAB-R&E241000052A-Wi-Fi1

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.

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W5C

C I	Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
	1	Adapter	///	FC447U	//	/

Note:

- 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.

W	SCT	WSET	WSET	WSET	W5 ET
WSCT	WSET	WSCT	$\langle \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$		SET
	SET	WSET	WSET	WSET	WSCT
WSET	WSET	WSET	\rangle		SCT
	SET	WSET	WSET	WSET	WSCT
WSET	WSET	WSCT	$\langle \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$		SCT
	SET	WSET	WSET		
WSET	WSET	WSET	\rightarrow		WSLT Shenzhen

VSCT WS

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WSCI

WS CI



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5. Facilities and Accreditations

5.1. Facilities WSET WSET

VSCT[®] WSCT[®]

W5 CI

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 W5 [7]
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 W5 LT 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

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WS ET WS L

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5.3. Measurement Uncertainty

The reported uncertainty of measurement $y \pm U$, 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	MU	
WS CT	1	Conducted Emission Test	±3.2dB	
	2	RF power, conducted	±2.4%	X
	3W5 [Spurious emissions, conducted ws [7] ws	±0.21dB	W5CT
\times	4	All emissions, radiated(<1GHz)	±4.7dB	
WSCT	5	All emissions, radiated(>1GHz)	±4.7dB	
4V2/5/A	6	Temperature	±0.5°C	
	7	Humidity	±2.0%	X
	8W5 C	Receiver Spurious Emissions W5 [7] W5	±2.5%	W5CT
\times	9	Transmitter Unwanted Emissions in the Spurious Domain	±2.5%	
WSCT	10	Transmitter Unwanted Emission in the out-of Band	±1.3%	
	11	Occupied Channel Bandwidth	±2.4%	
		X A		

W	SET W.	ET WS	ET" WS	ET WS	CT°
X	X		X	X	
WSET	WSET	WSET	WSET	WSET	$\overline{/}$
W	W.	ET WS	CT WS	CT WS	ET.
X	X			X	
WSET	WSET	WSET	WSET	WSET	_/

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5.4.MEASUREMENT INSTRUMENTS

	U.T.MEAGGIVEN	MEITT IIIOTITOII					
_	NAME OF EQUIPMENT	MANUFACTURER	MODEL	SERIAL NUMBER	Calibration Date	Calibration Due.	'5 C
	Test software		EZ-EMC	CON-03A	-	<u></u>	
Ż	Test software	<i>[]</i> - /V	MTS8310	W5 ET	- /	VS CT°	
	EMI Test Receiver	R&S	ESCI	100005	11/05/2024	11/04/2025	V
	LISN	AFJ	LS16	16010222119	11/05/2024	11/04/2025	
	LISN(EUT)	Mestec	AN3016/5/	04/10040	11/05/2024	11/04/2025	'5 C
	Universal Radio Communication Tester	R&S	CMU 200	1100.0008.02	11/05/2024	11/04/2025	
Ž	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	X
	Spectrum Analyzer	R&S	FSU	100114	11/05/2024	11/04/2025	
_	Pre Amplifier	H.P.CT	HP8447E 5	2945A02715	11/05/2024	11/04/2025	15 C
/	Pre-Amplifier	CDSI	PAP-1G18-38		11/05/2024	11/04/2025	
	Bi-log Antenna	SCHWARZBECK	VULB9168	01488	7/29/2024	7/28/2025	
Ź	9*6*6 Anechoic	The state of the s	YSLI	WSLI	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	rs C
	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	
Ź	Turn Table	ccs v	75 _7N/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	\triangle
	Loop Antenna	EMCO	6502	00042960	11/05/2024	11/04/2025	15 C
	Horn Antenna	SCHWARZBECK	BBHA 9170	1123	11/05/2024	11/04/2025	
_	Power meter	Anritsu	ML2487A	6K00003613	11/05/2024	11/04/2025	
1	Power sensor	Anritsu	MX248XD		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

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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. 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 PIFA Antenna. it meets the standards, and the best case gain of the antenna is -0.08dBi.

Please refer to the attached "T1001W Internal Photo" for the antenna location

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6.2. Conducted Emission

6.2.1. Test Specification

	one open or one of				
\	Test Requirement:	FCC Part15 C Section	15.207		
7	Test Method:W5ET	ANSI C63.10:2014	WSET	W5 CT	_
	Frequency Range:	150 kHz to 30 MHz		X	
	Receiver setup:	RBW=9 kHz, VBW=30	kHz, Sweep time	=auto	1
		Frequency range	Limit (c	dBuV)	
	X	(MHz)	Quasi-peak	Average	
	Limits:	0.15-0.5	66 to 56*	56 to 46*	
U	WSET	0.5-5	-56	46/5//	7
		5-30	60	50	
		Reference	Plane	X	
		A Reference			
	W51-7 W5		LISN		

Test Setup: W5

40cm 80cm Filter - AC power E.U.T AC power ЕМІ Receiver Test table/Insulation plane

E.U.T: Equipment Under Test LISN: Line Impedence Stabilization Network Test table height=0.8m

Test Mode:

Test Procedure:

WSCT

Charging + transmitting with modulation 1. The E.U.T is connected to the main power through a

WSEI

line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main 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). 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 the interface cables must be changed according to ANSI C63.10: 2014 on conducted measurement.

Test Result:

WSC

PASS

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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 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.

WSE WS ET WS CT WSEI WSCI W5 C W5C W5 ET W5C1

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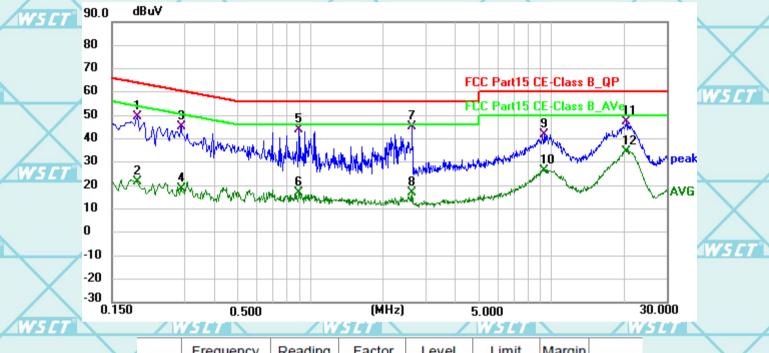
Test data

Please refer to following diagram for individual

W5CT

W5CT

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



\times	No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	\times
W5C	1	0.1905	28.60	20.70	49.30	64.01	-14.71	QP	WSET
WE	2	0.1905	0.94	20.70	21.64	54.01	-32.37	AVG	11614
X	3	0.2895	24.56	20.64	45.20	60.54	-15.34	QP	X
	4	0.2895	-2.08	20.64	18.56	50.54	-31.98	AVG	
WSET	5	0.8970	23.24	20.63	43.87	56.00	-12.13	QP	SET
	6	0.8970	-3.88	20.63	16.75	46.00	-29.25	AVG	
	7 *	2.6385	24.44	20.60	45.04	56.00	-10.96	QP	
W5E	8	2.6385	-3.52	20.60	17.08	46.00	-28.92	AVG	WSET
	9	9.2580	21.32	20.46	41.78	60.00	-18.22	QP	
X	10	9.2580	5.97	20.46	26.43	50.00	-23.57	AVG	X
	11	20.3460	27.05	20.28	47.33	60.00	-12.67	QP	
W5CT	12	20.3460	14.27	20.28	34.55	50.00	-15.45	AVG	SCT

awset

WELT

WELT

AWSET

WSCT

W5 CT

WSET

WELT

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Member of the WSCT Group (WSCT SA)

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W5CT"

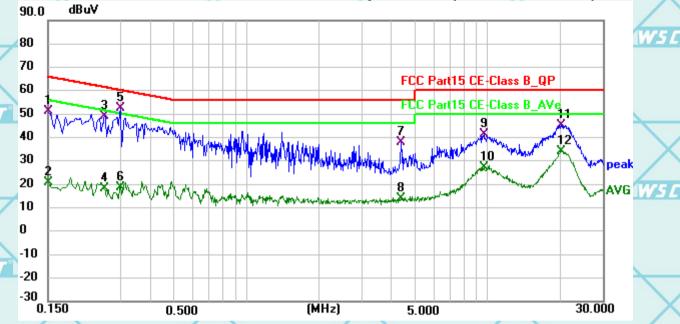






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Conducted Emission on Neutral Terminal of the power line (150 kHz to 30MHz)



1. 1 1 1 1		and the same of th		. 4%	774		All and a second	
W5C	No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
	1	0.1500	30.33	20.73	51.06	66.00	-14.94	QP
	2	0.1500	0.11	20.73	20.84	56.00	-35.16	AVG
	3	0.2575	28.62	20.66	49.28	61.51	-12.23	QP
X	4	0.2575	-2.32	20.66	18.34	51.51	-33.17	AVG
Water Control	5 *	0.2985	31.91	20.63	52.54	60.28	-7.74	QP
1W5 C	6	0.2985	-2.11	20.63	18.52	50.28	-31.76	AVG
	7	4.4025	17.27	20.58	37.85	56.00	-18.15	QP
	8	4.4025	-6.75	20.58	13.83	46.00	-32.17	AVG
	9	9.6674	20.87	20.46	41.33	60.00	-18.67	QP
	10	9.6674	6.90	20.46	27.36	50.00	-22.64	AVG
	11	20.2290	25.11	20.28	45.39	60.00	-14.61	QP
W5C	12	20.2290	13.64	20.28	33.92	50.00	-16.08	AVG
								A. A. S.

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 (dBµV) = 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.

For multiple adapters, the report only displays the adapter with the worst data.

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W5CT



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6.2.3. Maximum Conducted Output Power

6.2.4. Test Specification

0.	2.4. Test opecimication ws c	T WSET	W5LT	W5CT°
	Test Requirement:	FCC Part15 C Section 15.247	(b)(3)	
	Test Method:	KDB 558074		
AWSET"	Limit:	30dBm	WSLIT	
	Test Setup:		• 7	WSET
		Spectrum Analyzer	EUT	
	Test Mode:	Transmitting mode with modul	ation	
WS ET	Test Procedure:	 The testing follows the Mean FCC KDB No. 558074 DTS v04. The RF output of EUT was an analyzer by RF cable and a was compensated to the remeasurement. Set to the maximum power EUT transmit continuously. Measure the conducted outpresults in the test report. 	S D01 Meas. Guidance connected to the spectrum attenuator. The path loss esults for each setting and enable the	WSCT
	Test Result:	PASS		
	WSL	Wald	Water	aW-5L/

WSCT	W5 CT	W5 C	7° W5	ET WS	ET°
	\times	\times			\times
M	YS CT	WSET	WSET	W5 CT	W5 CT°
\times	\times	\rightarrow			
W5 ET	WSET	WSE	7 WS	ET WS	ET .
	\times				\times

W5C1

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" WSET" WSET"

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X		\mathbf{X}^{\prime}	X		X	X
6.2.5. Test Data						
WSET		WSCT	WSIT		W5	WSET
WELGE	Mode	Frequency	Maximum	Limit	Verdict	78 / 42/78
		(MHz)	Conducted	(dBm)		
		` '	Output Power	, ,		
			(dBm)			
W5 CT W	s r b	2412	75 77 21.51	V30	Pass	W5 CT°
	b	2437	21.79	30	Pass	
	b	2462	21.28	30	Pass	
	g	2412	23.65	30	Pass	
	g	2437	23.85	30	Pass	
WSCT®	g = 00	2462	23.20 5 7 7	30	Pass	T" WSET"
	n20	2412	23.50	30	Pass	
X	n20 n20	2437 2462	23.67 23.26	30 30	Pass Pass	X
	n40	2402	23.15	30	Pass	
WSET W		2437	5 7 23.11	30	Pass	W5 CT°
WELGI W	n40	2452	24.57	30	Pass	THE STATE OF THE S
	1140	2432	24.51	00	1 433	
X						X
W5 CT		W5 CT	W5 CT		W5 L	T° WSCT°
	\vee		X	X		
(m)		/		/		(max)
WS ET W	SET N		'S ET"	W5 C1		W5 CT°
X		X	X		X	X
WSET		W5CT	WSET		W5 L	WS CT
	_					
	\wedge		\wedge	\wedge		
					7	
W5ET W	SET		SET	WSCI		WSCT
		\ /				
\times		X	X		X	\times
W5 CT		WS CT	WEET		W5 L	WELT
17-14		W-14	WSET	$\overline{}$		WS CT
		`				
X	X		X	X		X
		/				
WSET W	SET [®]	· · ·	SET"	WSCI		WSCT
(man)					/	
WSET	_/	W5 CT	W5 CT°		W5 L	incation& Testing
				1		\(\sigma_{\text{sign}}\)
X	X		X	X		S COLOR COLOR OF S
						Na Contraction of the state of
WSCT	SET	10	75 CT	W5 C1		WSET Shenzhoo

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VS CT WS CT





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6.3. Emission Bandwidth

6.3.1. Test Specification

WS CT°

W5 CT

W5CT

W5CT

X	Test Requirement:	FCC Part15 C Section 15.247 (a)(2)				
W5 CT	Test Method:	KDB 558074 W5 CT W5 CT	_/			
	Limit:	>500kHz				
	Test Setup:	7° W5	77			
		Spectrum Analyzer EUT				
W5 ET	Test Mode:	Transmitting mode with modulation W5 [7]				
		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.				
WSET	Test Procedure:	3. 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				
4WSL1		be greater than 500 kHz. 4. Measure and record the results in the test report.				
	Test Result:	PASS WSCT WSCT WS	CT			

W5 CT					
	\times	\times	\times	\times	X
W	SCT W	SET	WSET	WSET	WSLT
\times				\times	
WSET	WSET	WSCT	WSET	WSET	

<u>aws Li</u>

W5CT

WSLT

WSET

WSCT Steam

WSCT

AWSET

WELT

AWS CT

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WSCT

WSCT







WSET

4W5L

WSCT

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6.3.2. Test data(worst)

_				 	-,			
-	$\neg \neg$		P 1	-	- 0	1 0 0		100
_	, , ,	AL S	y rody n			1 " "	pl = mill	posity policy
•		Allow 10					ABO 100	
_	LA.	AT 10	70.4			1 4 4	- M	~77 A

WSLI

W5CT

X	wode	(MHz)	-6 dB Bandwidth (WHZ)	(MHz)	verdict	
	b	2412	8.518	0.5	Pass	
W5CT°	b	2437	8.568	W5 L0.5	Pass	
	b	2462	7.528	0.5	Pass	
	g	2412	15.71	0.5	Pass	X
	g	2437	16.03	0.5	Pass	
	g	2462	15.08	0.5	Pass	
	n20	2412	15.30	0.5 W 5 L 7	Pass	W5 CT
	n20	2437	17.25	0.5	Pass	
X	n20	2462	12.52	0.5	Pass	
	n40	2422	32.54	0.5	Pass	
Aurel	n40	2437	35.08	0.5	Pass	
W5 CT	n40	2452	35.54	0.5	Pass	
	WSET	WZ	SCT WS	ET WSET		WSCT
WSET		WSET	WSCT	WSLT	WSET	
	WSLT		SET WS			WSCT
WSET		WSET	WSET	WSET	WSET	
	WSCT	W	SET WS	ET WSET		WSET
WSET		WSET	WSET	WSCT	WSCI	
	\/					

WSCT

WSET

WSIT

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WSET

W5CT°





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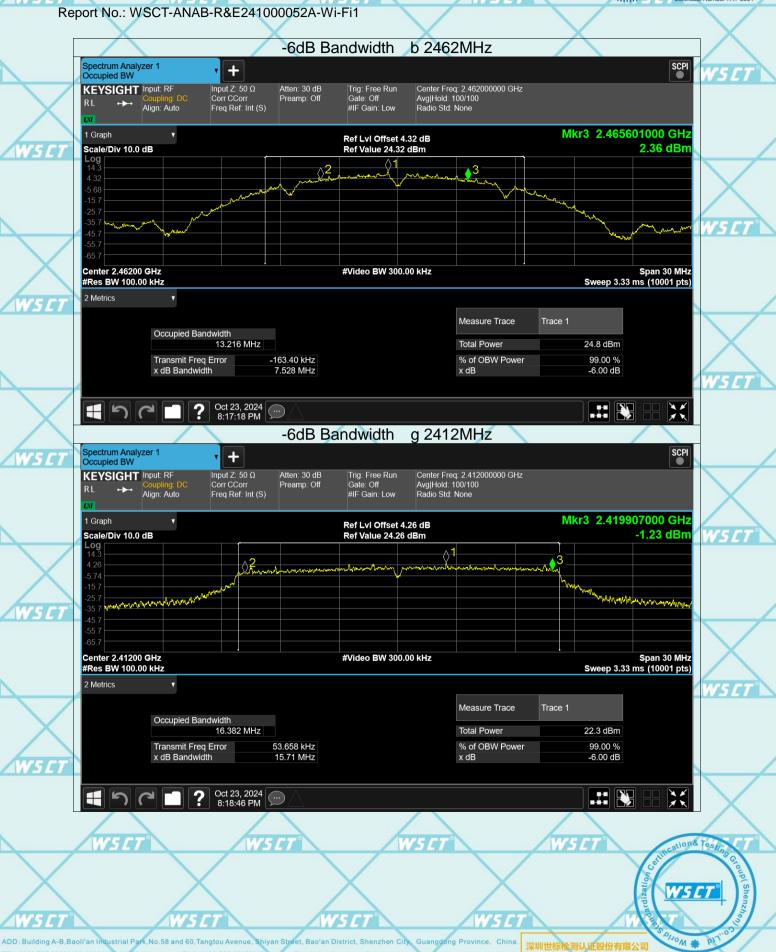
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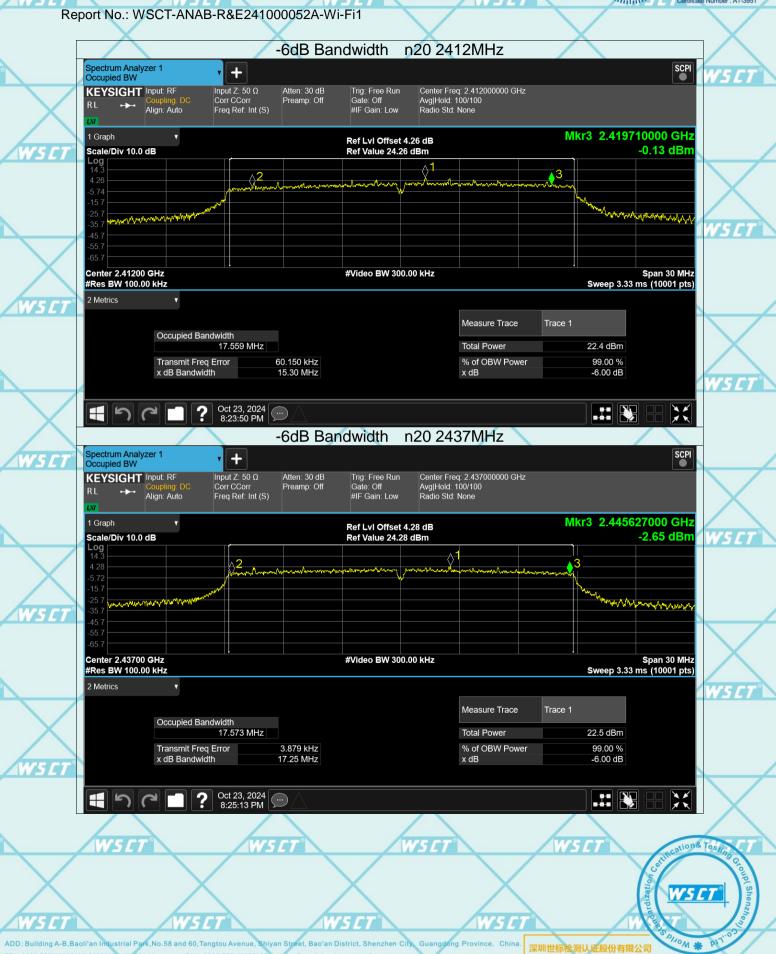
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W5 C1

WS CT

W5 E1

WS CT

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W5CT



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6.4. Power Spectral Density

6.	4.1. Test Specification V 5 C	T WSET WSET	W5 ET
	Test Requirement:	FCC Part15 C Section 15.247 (e)	
	Test Method:	KDB 558074	
	Limit:	The average power spectral density shall not be greater than 8dBm in any 3kHz band at any time interval of continuous transmission.	X
7	Test Setup:	Spectrum Analyzer EUT	W5ET
	Test Mode:	Transmitting mode with modulation	
	Test Procedure:	 The testing follows Measurement Procedure 10.3 Method AVGPSD 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. Set the span to at least 1.5 times the OBW. Detector = RMS, Sweep time = auto couple. Employ trace averaging (RMS) mode over a minimum of 100 traces. Use the peak marker function to determine the maximum power level. Measure and record the results in the test report. 	WSCT
	Test Result:	PASS	

W5 CT W5 CT

W5 CT W5 C1

W5CT







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6.4.2. Test dat	a(worst)	X			X		X
WS CT°	Mode	Frequency	Total PSD	Limit	Verdict		W5 CT
	mode	(MHz)	(dBm/3kHz)	(dBm/3kHz)	voraiot		
X	b	2412	6.48	8	Pass	X	
	b	2437	6.01	8	Pass		
WSET	175 b 7	2462	6.70	8541	Pass	W5CT°	
	g	2412	2.04	8	Pass		
X	g	2437	0.99	8	Pass		X
	g	2462	1.51	8	Pass		
W5 ET	n20	2412	1.91	8	Pass		W5 ET
	n20	2437	1.82	8	Pass		
X	n20	2462	4.65	8	Pass	X	
	n40	2422	-1.99	8	Pass		
W5CT"	n40	2437	V5 C-2.29	8/5/1	Pass	WSCT	
	n40	2452	0.70	8	Pass		
	1170	2432	0.70	0	1 433		X
WSET		WSET	W5	CT	WSCT		W5 CT
ALL CE	WE CT		ALC CT	Week		We cz	
WSLT	W5CT [®]		NS ET	W5 CT		W5CT [®]	
			/				
W5 ET		W5 ET	W5		W5 ET		W5CT
X	X		X	X		X	
WSCT	W5		NS ET	WSET		WSET	
X		X	>		X		X
WSCT		WSCT	W5	CT°	W5 CT		W5ET [®]
	\ /						
X	X		X	X		X	
W5 ET	W5CT [®]		NS ET	WSET		WSET	
X		\sim			X		X
WSET		WSET	W5	CT.	WSET	ation&	es
						Conflication &	and C.
						18	omp
						W5 C	Shen
WSET	W5 CT		WS CT	W5 CT		The state of the s	Zhen
						Plan	Allion
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W5CT



W5C7

6.5. Conducted Band Edge and Spurious Emission Measurement

651 Toet	Specification	WEFT	WEFT	

\times	Test Requirement:	FCC Part15 C Section 15.247 (d)	
W5CT°	Test Method:	KDB558074	
WSET	Limit: T WSE	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).	WSCT
	Test Setup:	Spectrum Analyzer EUT	W5 CT
	Test Mode:	Transmitting mode with modulation	
WSET	WSCT	1. The testing follows FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v04.	
	WSET WSE	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. W5 [7]	WS CT
WSET	WSCT	 3. Set to the maximum power setting and enable the EUT transmit continuously. 4. Unwanted Emissions measured in any 100 kHz bandwidth outside of the authorized frequency band 	
	Test Procedure: W5 ET W5 E	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	WSCT
WSET	WSCT	a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB per 15.247(d). 5. Measure and record the results in the test report.	
		The RF fundamental frequency should be excluded against the limit line in the operating frequency band.	
	Test Result:	PASS WS 77	The state of
		S. Tilled	Sung G