Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, China

TEST REPORT

Ordinance Article 2 paragraph 1 item (19)-3

Report Reference No..... :	**CTA26031200206**
Compiled by (position+printed name+signature). :	File administrators Zoey Cao
Supervised by (position+printed name+signature). :	Project Engineer Ace Chai
Approved by (position+printed name+signature). :	RF Manager Eric Wang
Date of issue..... :	Mar. 23, 2026
Testing Laboratory Name .....:	**Shenzhen CTA Testing Technology Co., Ltd.**
Address..... :	Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, China
Applicant's name..... :	**COOPERS CO.,LTD**
申請者..... :	**COOPERS 株式会社**
Address ..... :	5-20-11 Someino, Sakura City, Chiba Prefecture, Japan
住所..... :	日本国千葉県佐倉市染井野五丁目20番地11
Test specification .....:	
Standard ..... :	**Ordinance Article 2 paragraph 1 item (19)-3**
TRF Originator..... :	Shenzhen CTA Testing Technology Co., Ltd.

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Test item description .....:	**tablet PC**
Trade Mark ..... :	N/A
Manufacturer ..... :	SHENZHEN PEICHENG TECHNOLOGY CO.,LTD
Model/Type reference..... :	P10
Listed Models ..... :	N/A
Modulation ..... :	OFDM
Frequency..... :	5180MHz-5240MHz
Ratings ..... :	DC 3.85V From battery and DC 5.0V From external circuit
Result..... :	**PASS**

TEST REPORT

Equipment under Test	:	tablet PC
Model /Type	:	P10
Listed Models	:	N/A
Applicant	:	**COOPERS CO.,LTD**
申請者	:	**COOPERS 株式会社**
Address	:	5-20-11 Someino, Sakura City, Chiba Prefecture, Japan
住所	:	日本国千葉県佐倉市染井野五丁目 20 番地 11
Manufacturer	:	**SHENZHEN PEICHENG TECHNOLOGY CO.,LTD**
Address	:	2nd Floor, Building 64, Baotian Industrial Zone, Chentian Community, Xixiang Street, Bao'an District, Shenzhen, China

Test Result:	**PASS**

The test report merely corresponds to the test sample.
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

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1 SUMMARY

1.1 Test Standards

The tests were performed according to following standards:

ARIB STD-T71: 5 GHz band low-power data communication system (5.2GHz band)
MIC Notice No.88 Appendix No.45: 5 GHz band wide-band low-power data communication system

1.2 Test Description

ARIB STD-T71		
Clause	Description of Test	Result
3.1.2 (2) & 3.1.2 (3) & 3.1.2 (5)	Tolerances Of Antenna Power & E.I.R.P	PASS
3.1.2 (4)	Tolerance Of Frequency	PASS
3.1.2 (7)	Transmission Burst Length	PASS
3.1.2 (8) & 3.1.2 (10)	Tolerance Of Unwanted Emission Intensity & Tolerance Of Out-Of-Band Leakage Power	PASS
3.1.2 (9)	Tolerance Of Adjacent Channel Leakage Power	PASS
3.1.2 (11)	Tolerance Of Occupied Bandwidth	PASS
3.1.3 (1)	Secondary Radiated Emissions	PASS
3.1.4.1	Interference prevention function	PASS
3.1.5	Carrier Sensing function	PASS
Note: (1) N/A is an abbreviation for Not Applicable. *(2) N/T means this test item is not tested.*		

Note: 1: "N/A" denotes test is not applicable in this Test Report
2: MIC Notice No.88 Appendix No.45
3: MIC Ordinance Regulating Radio Equipment Section 4.17 of Article 49.20
4: Referenced in the standard ARIB STD-T71
5. The device only operating at W52 band.
6. This device has more than 1 sub-carrier in 1MHz.

1.3 TEST ENVIRONMENT

1.3.1 Address of the test laboratory

Shenzhen CTA Testing Technology Co., Ltd.
Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,Fuhai Street, Bao'an District, Shenzhen, China

1.3.2 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:
FCC-Registration No.: 517856 Designation Number: CN1318

Shenzhen CTA Testing Technology Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements.

A2LA-Lab Cert. No.: 6534.01

Shenzhen CTA Testing Technology Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform electromagnetic emission measurement.

The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.10 and CISPR 16-1-4:2010.

1.4 Measurement Uncertainty

For the test methods, according to the present document, the measurement uncertainty figures shall be calculated in accordance with TR100028-1 [2] and shall correspond to an expansion factor (coverage factor) K=1.96 or K=2 (which provide confidence levels of respectively 95% and 95.5% in the case where the distributions characterizing the actual measurement uncertainties are normal.

Parameter	Uncertainty
Frequency error / 99%&90% bandwidth	$\pm 1.62*10^{-6}$
Total RF power, conducted	±0.8dB
Spurious emissions, conducted	±0.8dB
DC and low frequency voltages	±0.05%
Humidity	±5%
Temperature	±1℃

2 GENERAL INFORMATION

2.1 General Remarks

Date of receipt of test sample	:	Mar. 12, 2026
Testing commenced on	:	Mar. 12, 2026
Testing concluded on	:	Mar. 23, 2026

2.2 Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Voltage	Normal Voltage	DC 3.85V
	High Voltage	DC 4.20V
	Low Voltage	DC 3.40V
Other	Normal Temperature	25°C
	Relative Humidity	55 %
	Air Pressure	989 hPa

Note: As the EUT was powered by DC 3.85V From battery and DC 5.0V From external circuit, and with the voltage stabilizing circuit used, the chip voltage received floating not exceed ±1% of nominal condition when working on extreme voltage, so all test performed at nominal voltage only.

2.3 General Description of EUT

Product Name:	tablet PC			
Model/Type reference:	P10			
Power supply:	DC 3.85V From battery and DC 5.0V From external circuit			
Adapter information:	Model: FX2P-050200U Input: AC 100-240V 50/60Hz 0.4A max Output: DC 5V 2A			
Hardware version:	V1.0			
Software version:	V1.0			
Testing sample:	CTA260312002-1# (Engineer sample) CTA260312002-2# (Normal sample)			
WIFI				
Supported type:	20MHz system	40MHz system	80MHz system	160MHz system
	IEEE 802.11a IEEE 802.11n IEEE 802.11ac	IEEE 802.11n IEEE 802.11ac	IEEE 802.11ac	N/A
Operation frequency:	5180MHz-5240MHz	5190MHz-5230MHz	5210MHz	N/A
Modulation:	OFDM	OFDM	OFDM	N/A
Channel number:	4	2	1	N/A
Channel separation:	20MHz	40MHz	80MHz	N/A
Rated power:	IEEE 802.11a: 3.5mW/MHz IEEE 802.11n HT20: 3.5mW/MHz IEEE 802.11ac HT20: 3.5mW/MHz IEEE 802.11n HT40: 2.0mW/MHz IEEE 802.11ac HT40: 2.0mW/MHz IEEE 802.11ac HT80: 1.0mW/MHz			
TPC:	Not support			
Antenna type:	PIFA Antenna			
Antenna Gain:	1.77 dBi			

Note: For more detailed features description, please refer to the manufacturer’s specifications or the User's Manual.

2.4 Description of Test Modes

The EUT has been tested under typical operating condition. The Applicant provides communication tools software to control the EUT for staying in continuous transmitting and receiving mode for testing.

Operation Frequency List:

Operating band	20MHz		40MHz		80MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
W52 (5180MHz-5240MHz)	36	5180	38	5190	42	5210
	40	5200				
	44	5220	46	5230		
	48	5240				

Note: Test performed at the lowest/middle/highest frequencies selected in the list above for EUT supported while working on specified mode.

2.5 Measurement Instruments List

Item	Test Equipment	Manufacturer	Model No.	Equipment No.	Cal. Institution	Calibration Date	Calibration Due Date
1	Spectrum Analyzer	Agilent	N9020A	CTA-301	LISAI	2025/07/30	2026/07/29
2	Vector Signal generator	Agilent	N5182A	CTA-305	LISAI	2025/07/30	2026/07/29
3	Spectrum analyzer	R&S	FSV40-N	CTA-344	LISAI	2025/05/17	2026/05/16
4	Power Meter	R&S	NRVS	CTA-354	LISAI	2025/07/30	2026/07/29
5	DC Power Supply	Agilent	LW-K3010D	CTA-033	LISAI	2025/07/30	2026/07/29
6	Oscilloscope	Tektronix	TDS3052	CTA-010	LISAI	2025/07/30	2026/07/29
7	Automatic control unit	Tonscend	JS0806-2	CTA-351	LISAI	2025/07/30	2026/07/29

Cal. Institution: LiSai-Guangzhou LiSai Calibration and Testing Co.,LTD.
Calibration by the calibration agencies listed in the table correspond to paragraph 4 (ii) (c) of Article 24-2 in the Radio Law".
☐(a) Calibration conducted by the National Institute of Information and Communications Technology (NICT) or a designated calibration agency under Article 102-18-1 of the Radio Act.
☐(b) Calibration conducted based on the regulations of Article 135 or 144 of the Measurement Act.
☒(c) Calibration conducted in foreign countries, which is equivalent to calibration conducted by the NICT or a designated calibration agency under Article 102-18-1 of the Radio Act.
☐(d) Calibration, etc. conducted by using measuring instruments and other facilities listed at the bottom of appended table 3 of the Radio Act, which is to have been calibrated as described in (a) through (c) above

2.6 Table for Parameters of Test Software Setting

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

Power Parameters:

Frequency Band	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
5180~5240MHz	36	5180	44	5220
	38	5190	46	5230
	40	5200	48	5240
	42	5210	/	/
For IEEE 802.11a/n HT20/ac VHT20, Channel 36, 40 and 48 were tested. For IEEE 802.11n HT40/ac VHT40, Channel 38 and 46 were tested. For IEEE 802.11ac VHT80, Channel 42 was tested.				

2.7 Description of Test Modes

Tested mode, channel, and data rate information			
Mode	Final Test Data Rate (Mbps) (see Note)	Channel	Frequency (MHz)
IEEE 802.11a	6	Low :CH36	5180
	6	Middle: CH40	5200
	6	High: CH48	5240
IEEE 802.11n HT20	MCS0	Low :CH36	5180
	MCS0	Middle: CH40	5200
	MCS0	High: CH48	5240
IEEE 802.11n HT40	MCS0	Low :CH38	5190
	MCS0	High: CH46	5230
IEEE 802.11ac VHT20	MCS0	Low :CH36	5180
	MCS0	Middle: CH40	5200
	MCS0	High: CH48	5240
IEEE 802.11ac VHT40	MCS0	Low :CH38	5190
	MCS0	High: CH46	5230
IEEE 802.11ac VHT80	MCS0	High: CH42	5210
Note: According exploratory test, EUT will have maximum output power in those data rate, so those data rate were used for all test.			

2.8 Test Voltage

POWER SUPPLY VOLTAGE FLUCTUATION TEST

Voltage Fluctuation Test	Normal Voltage	High Voltage +10% of Normal Voltage	Low Voltage -10% of Normal Voltage
Input To EUT	DC 3.85V	DC 4.20V	DC 3.40V
Output To RF Module	DC 3.30V	DC 3.30V	DC 3.30V
Voltage Variation (%)	--	--	--

Note:
Voltage Variation (%)
= (Output high or Low Voltage - Output Normal Voltage)/Output Normal Voltage* 100
During the input supply voltage to the EUT from the external power source is varied by +/- 10%, if output voltage had been confirmed that the fluctuation of power supply to the RF circuit of EUT (excluding power source) is equal to or less than +/-1%. Exempt extremely high and low supply voltage condition test, EUT only operated in normal voltage to test all regulations.
The sample power supply was confirmed that input voltage variation at the radio unit in the radio equipment to be tested is less than +1% against a variation of +10% at the input voltage from the external power supply to the radio equipment, and the radio equipment was designed so as to be operated in a specified voltage variation limit within +10%, Radio can only tested at rated voltage.

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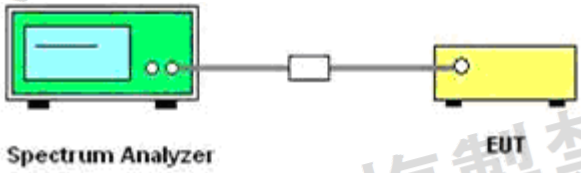
3 Test conditions and Results

3.1 Frequency Error

LIMIT

Tolerance of frequency shall be ±20x10^{-6}.

TEST CONFIGURATION



TEST PROCEDURE

The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram as TEST CONFIGURATION shows.
EUT Condition: non-modulation
Spectrum Condition:
• Frequency: test frequency
• Span: 300 KHz
• RBW: 10 KHz
• VBW: 10 KHz
• Sweep time: Auto
• Detector mode: Positive peak
• Indication mode: max hold

TEST RESULTS

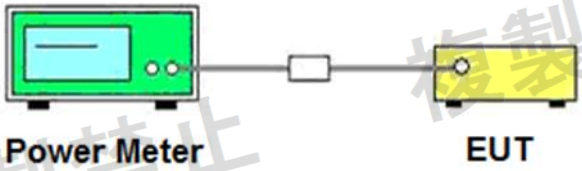
Please refer to the Appendix RF Test Data for 5.1G WIFI

3.2 Antenna Output Power and Output Power Tolerance

LIMIT

Operation Band	Item		20MHz system		40MHz system	80MHz system	160MHz system
W52 & W53	Antenna Power		DSSS, etc	OFDM	OFDM	OFDM	OFDM
			10mW/MHz	10mW/MHz	5mW/MHz	2.5mW/MHz	1.25mW/MHz
	Antenna power Tolerance		+20%, -80%				
	EIRP	W52	10mW/MHz		5mW/MHz	2.5mW/MHz	1.25mW/MHz
		W53	10mW/MHz: with TPC 5mW/MHz: without TPC		5mW/MHz: with TPC 2.5mW/MHz: without TPC	2.5mW/MHz: with TPC 1.25mW/MHz: without TPC	1.25mW/MHz: with TPC 0.625mW/MHz: without TPC
W56	Antenna Power		DSSS, etc	OFDM	OFDM	OFDM	OFDM
			10mW/MHz	10mW/MHz	5mW/MHz	2.5mW/MHz	1.25mW/MHz
	Antenna power Tolerance		+50%, -50%				
	EIRP		50mW/MHz: with TPC 25mW/MHz: without TPC		25mW/MHz: with TPC 12.5mW/MHz: without TPC	12.5mW/MHz: with TPC 6.25mW/MHz: without TPC	6.25mW/MHz: with TPC 3.125mW/MHz: without TPC

TEST CONFIGURATION



TEST PROCEDURE

a. EUT have transmitted continuous maximum power
b. Antenna Power Error is definition that actual measure antenna power tolerance -80%~20% power range that base on manufacturer Marlare the conducted power density.

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TEST RESULTS

Conducted

Mode	Channel (MHz)	Output power (dBm/MHz)	Output power (mW/MHz)	Limit (mW/MHz)	Rated output power (mW/MHz)	Tolerance (%)	Limit	Result
IEEE 802.11a	5180	5.22	3.326596	10	3.5	-4.95%	-80%~20%	Pass
	5200	5.02	3.176874	10	3.5	-9.23%		
	5240	5.05	3.198895	10	3.5	-8.60%		
IEEE 802.11n HT20	5180	4.88	3.076097	10	3.5	-12.11%	-80%~20%	Pass
	5200	4.74	2.978516	10	3.5	-14.90%		
	5240	4.68	2.937650	10	3.5	-16.07%		
IEEE 802.11n HT40	5190	1.61	1.448772	5	2.0	-27.56%	-80%~20%	Pass
	5230	2.25	1.678804	5	2.0	-16.06%		
IEEE 802.11ac VHT20	5180	4.80	3.019952	10	3.5	-13.72%	-80%~20%	Pass
	5200	4.96	3.133286	10	3.5	-10.48%		
	5240	5.08	3.221069	10	3.5	-7.97%		
IEEE 802.11ac VHT40	5190	1.06	1.276439	5	2.0	-36.18%	-80%~20%	Pass
	5230	1.57	1.435489	5	2.0	-28.23%		
IEEE 802.11ac VHT80	5210	-1.05	0.785236	2.5	1.0	-21.48%	-80%~20%	Pass

Note:
1). Test Result: Pass.
2). All test modes have been tested and we only record the worst result.

EIRP

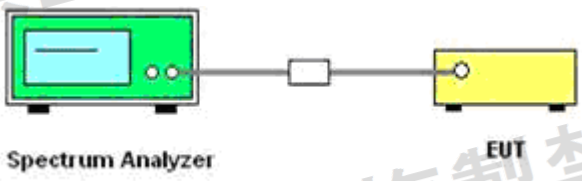
Mode	Channel (MHz)	Output power (dBm/MHz)	Antenna Gain (dBi)	EIRP (dBm/MHz)	EIRP (mW/MHz)	EIRP/MHz Limit (mW/MHz)	Result
IEEE 802.11a	5180	5.22	1.77	6.99	5.000345	10	Pass
	5200	5.02	1.77	6.79	4.775293	10	
	5240	5.05	1.77	6.82	4.808393	10	
IEEE 802.11n HT20	5180	4.88	1.77	6.65	4.623810	10	Pass
	5200	4.74	1.77	6.51	4.477133	10	
	5240	4.68	1.77	6.45	4.415704	10	
IEEE 802.11n HT40	5190	1.61	1.77	3.38	2.177710	5	Pass
	5230	2.25	1.77	4.02	2.523481	5	
IEEE 802.11ac VHT20	5180	4.80	1.77	6.57	4.539416	10	Pass
	5200	4.96	1.77	6.73	4.709773	10	
	5240	5.08	1.77	6.85	4.841724	10	
IEEE 802.11ac VHT40	5190	1.06	1.77	2.83	1.918669	5	Pass
	5230	1.57	1.77	3.34	2.157744	5	
IEEE 802.11ac VHT80	5210	-1.05	1.77	0.72	1.180321	2.5	Pass

3.3 Occupied Bandwidth

LIMIT

Operation Band	20MHz system		40MHz system	80MHz system	160MHz system
W52 & W53	DSSS, etc	OFDM	OFDM	OFDM	OFDM
	18MHz	20MHz	40MHz	80MHz	160MHz
W56	20MHz		40MHz	80MHz	160MHz

TEST CONFIGURATION



TEST PROCEDURE

The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram as TEST CONFIGURATION shows.
EUT Condition: modulation
Spectrum Condition:

1. Setting of SA is following as fellow:

• RBW: under 3% of OBW
• VBW: = RBW
• Sweep time: Auto
• Sweep Mode: Continuous sweep
• Detect mode: Positive peak
• Trace mode: Max hold

2. EUT have transmitted the maximum modulation signal and fixed channelize.
3. SA set to 99% of occupied bandwidth to measure occupied bandwidth.

TEST RESULTS

Please refer to the Appendix RF Test Data for 5.1G WIFI

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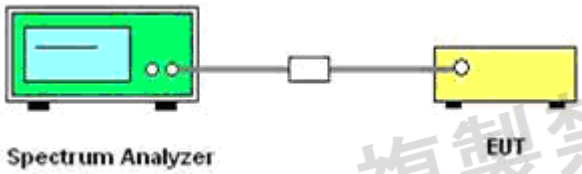
3.4 Adjacent Channel Power

LIMIT

20MHz system		40MHz system	80MHz system
DSSS, etc	OFDM	OFDM	OFDM
Fc ±20MHz ±9MHz BW: -25dBc	Fc ±20MHz ±10MHz BW: -25dBc	Fc ±40MHz ±20MHz BW: -25dBc	Fc ±80MHz ±40MHz BW: -25dBc
Fc ±40MHz ±9MHz BW: -40dBc	Fc ±40MHz ±10MHz BW: -40dBc	Fc ±80MHz ±20MHz BW: -40dBc	

TEST CONFIGURATION



TEST PROCEDURE

The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram as TEST CONFIGURATION shows.
Use Spectrum's ACP measurement function and set spectrum analyzer as fellow:
Spectrum Condition:
• Frequency: test frequency
• Span: .>4 times integrate bandwidth
• RBW: 300 KHz
• VBW: 300 KHz
• Sweep time: Auto
• Sweep mode: Continuous
• Detector mode: Sample
• Indication mode: max hold

TEST RESULTS

Please refer to the Appendix RF Test Data for 5.1G WIFI

3.5 Unwanted Emission Strength and Out of Band Leakage Power

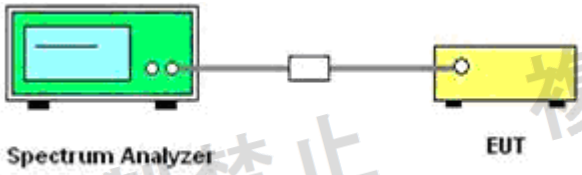
LIMIT

W52:

20MHz system	
OBW : 18MHz or less	OBW : 18 - 20 MHz
5,142 MHz or less : 2.5 μW/MHz	5,142 MHz or less : 2.5 μW/MHz
5,142 - 5,150 MHz : 15 μW/MHz	5,142 - 5,150 MHz : 15 μW/MHz
	5,250 - 5,250.2 MHz : $10^{1-(8/3)(f-9.75)}$mW/MHz
5,250 - 5,251 MHz : $10^{1-(f-9)}$mW/MHz	5,250.2 - 5,251 MHz : $10^{1-(f-9)}$mW/MHz
5,251 - 5,260 MHz : $10^{-1-(8/90)(f-11)}$mW/MHz	5,251 - 5,260 MHz : $10^{-1-(8/90)(f-11)}$mW/MHz
5,260 - 5,266.7 MHz : $10^{-1.8-(6/50)(f-20)}$mW/MHz	5,260 - 5,266.7 MHz : $10^{-1.8-(6/50)(f-20)}$mW/MHz
5,266.7 MHz or more : 2.5 μW/MHz	5,266.7 MHz or more : 2.5 μW/MHz
f = MHz, Difference from 5240 (MHz)	f = MHz, Difference from 5240 (MHz)

40MHz system	80MHz system
5,141.6 MHz or less : 2.5 μW/MHz	5,123.2 MHz or less : 2.5 μW/MHz
5,141.6 - 5,150 MHz : 15 μW/MHz	5,123.2 - 5,150 MHz : 15 μW/MHz
5,250 - 5,251 MHz : $10^{-(f-20)+log(1/2)}$mW/MHz	5,250 - 5,251 MHz : $10^{-(f-40)+log(1/4)}$mW/MHz
5,251 - 5,270 MHz : $10^{-(8/190)(f-21)-1+\log(1/2)}$mW/MHz	5,251 - 5,290 MHz : $10^{-(8/390)(f-41)-1+\log(1/4)}$mW/MHz
5,270 - 5,278.4 MHz : $10^{-(3/50)(f-40)-1.8+\log(1/2)}$mW/MHz	5,290 - 5,296.7 MHz : $10^{-(3/100)(f-80)-1.8+\log(1/4)}$mW/MHz
5,278.4 MHz or more : 2.5 μW/MHz	5,296.7 MHz or more : 2.5 μW/MHz
f = MHz, Difference from 5230 (MHz)	f = MHz, Difference from 5210 (MHz)

TEST CONFIGURATION



TEST PROCEDURE

The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram as TEST CONFIGURATION shows.
EUT Condition: modulation
Spectrum Condition:
• Frequency: 30MHz-26GHz
• RBW: 1 MHz (30MHz-1GHz), 1 MHz (1GHz-26GHz)
• VBW: 1 MHz (30MHz-1GHz), 1 MHz (1GHz-26GHz)
• Sweep time: Auto
• Detector mode: Positive peak
• Indication mode: max hold

TEST RESULTS

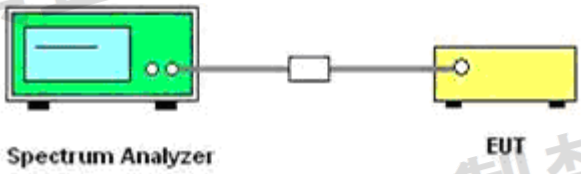
Please refer to the Appendix RF Test Data for 5.1G WIFI

3.6 Secondary Radiated Emission Strength

LIMIT

The limit on secondary emissions radiated from the receiving equipment within which the function of other radio equipment will not be impaired shall be, in terms of the power of a dummy antenna circuit that has the same electrical constant as the receiving antenna, 4nW or less at a frequency below 1 GHz and 20 nW or less at a frequency of 1 GHz or higher as measured using the circuit.

TEST CONFIGURATION



TEST PROCEDURE

The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram as TEST CONFIGURATION shows.
EUT Condition: modulation
Spectrum Condition:
• Frequency: 30MHz-26GHz
• RBW: 100 KHz (30MHz-1GHz), 1MHz (1GHz-26GHz)
• VBW: 100 KHz (30MHz-1GHz), 1MHz (1GHz-26GHz)
• Sweep time: Auto
• Detector mode: Positive peak
• Indication mode: max hold

TEST RESULTS

Please refer to the Appendix RF Test Data for 5.1G WIFI

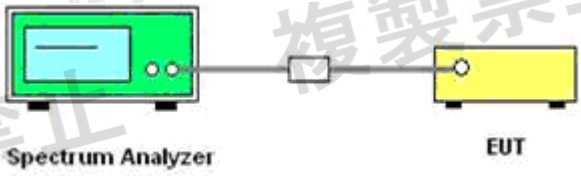
複製禁止 CTA TESTING

3.7 Transmission Burst Length

LIMIT

Transmission Burst Length shall be 8ms or less.

TEST CONFIGURATION



TEST PROCEDURE

Enable EUT under transmission mode and connected it to the spectrum analyzer through antenna output port as the block diagram show in TEST CONFIGURATION
Use Spectrum's ACP measurement function and set spectrum analyzer as fellow:
Spectrum Condition:
• Frequency: test frequency
• Span: 0Hz
• RBW: 10MHz
• VBW: =RBW
• Sweep time: Auto
• Sweep mode: single
• Detector mode: Peak
• Indication mode: max hold

TEST RESULTS

Please refer to the Appendix RF Test Data for 5.1G WIFI

3.8 Carrier Sense Function

LIMIT

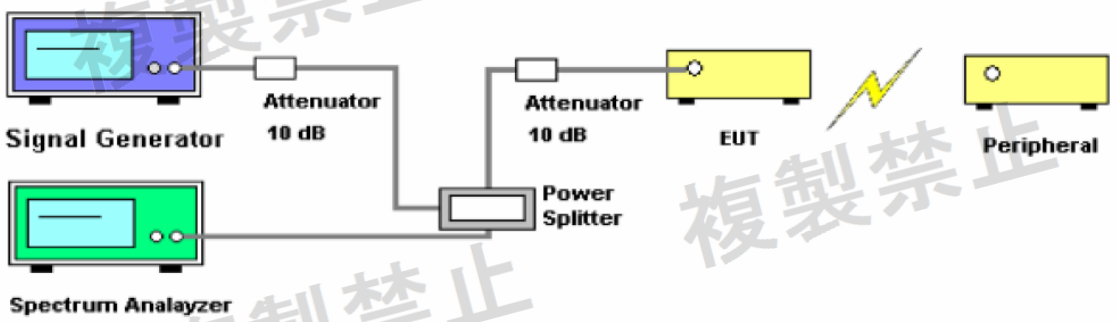
Item	Limits
Carrier Sense	Good – EUT stop RF transmission signal after carrier inject to EUT. (On 22.79+Gr-20*log (f)[dBm] (Gr: dBi; f: MHz) or 100mV/m)

INSTRUMENTS SETTING

The following table is the setting of spectrum analyser and receiver.

Spectrum Parameter	Setting
Attenuation	Auto
RB / VB	1 MHz
Span	0 MHz
Sweep	Continuous
Detector	Peak
Trigger mode	Video

TEST CONFIGURATION



TEST PROCEDURE

1. Set The EUT state in “normal mode link with wireless router”.
2. SG adjusted the frequency as same as the EUT transmitted signal and emitted the absence of modulation from SG and power level is (on 22.79+G-20*log (f) dBm)(G is the antenna gain is the test frequency).
3. Turn off the RF signal of the SG.
4. EUT have transmitted the maximum modulation signal and fixed channelize.
5. Setting the spectrum as fellow :
   RBW/VBW=1MHz/1MHz
   Span=50MHz
   Sweep time=auto
   Sweep mode=continuous
   Detect mode=positive peak
6. SG RF signal on.
7. EUT shall be stop the transmitted any signal and SG RF signal off, the EUT will be continuous transmitted signal.

TEST RESULTS

Remark: we test all modes, only worst cases were reported as below:

Test mode	Test frequency (MHz)	Interference signal level (dBm)	Test result
IEEE 802.11ac VHT20	5180	-49.73	Good
IEEE 802.11ac VHT40	5230	-49.81	Good
IEEE 802.11ac VHT80	5210	-49.78	Good

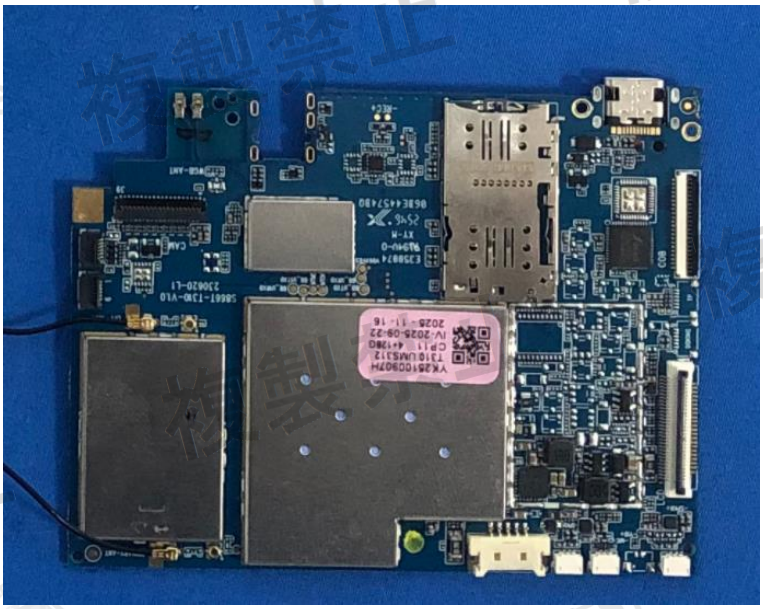
3.9 Construction Protection Method

REQUIREMENT

The high-frequency section and modulation section of the radio equipment except for the antenna system shall not be capable of being opened easily.

CONFIRMATION METHOD

all high-frequency section and modulation section was shiled by metal shield.



3.10 Interference Prevention Function

REQUIREMENT

Clarify the one automatically to transmit and to receive identification code with the wireless equipment of the wireless station used in the same premises.

Item	Limits
Identification code	≧ 48 bits

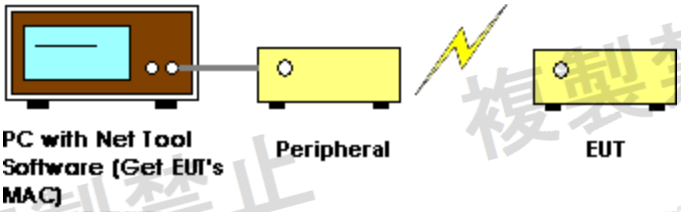
CONFIRMATION METHOD

All high-frequency section and modulation section packet in one IC, End user can not modify easily.

TEST PROCEDURE

1. In the case that the EUT has the function of automatically transmitting the identification code: a. Transmit the predetermined identification codes from EUT. b. Check the transmitted identification codes with the demodulator.
2. In the case of receiving the identification code: a. Transmit the predetermined identification codes from the counterpart. b. Check if communication is normal. c. Transmit the other signals than predetermined ID codes from the counterpart. d. check if the EUT stops the transmission, or if it displays that identification codes are different from the predetermined ones.

TEST CONFIGURATION

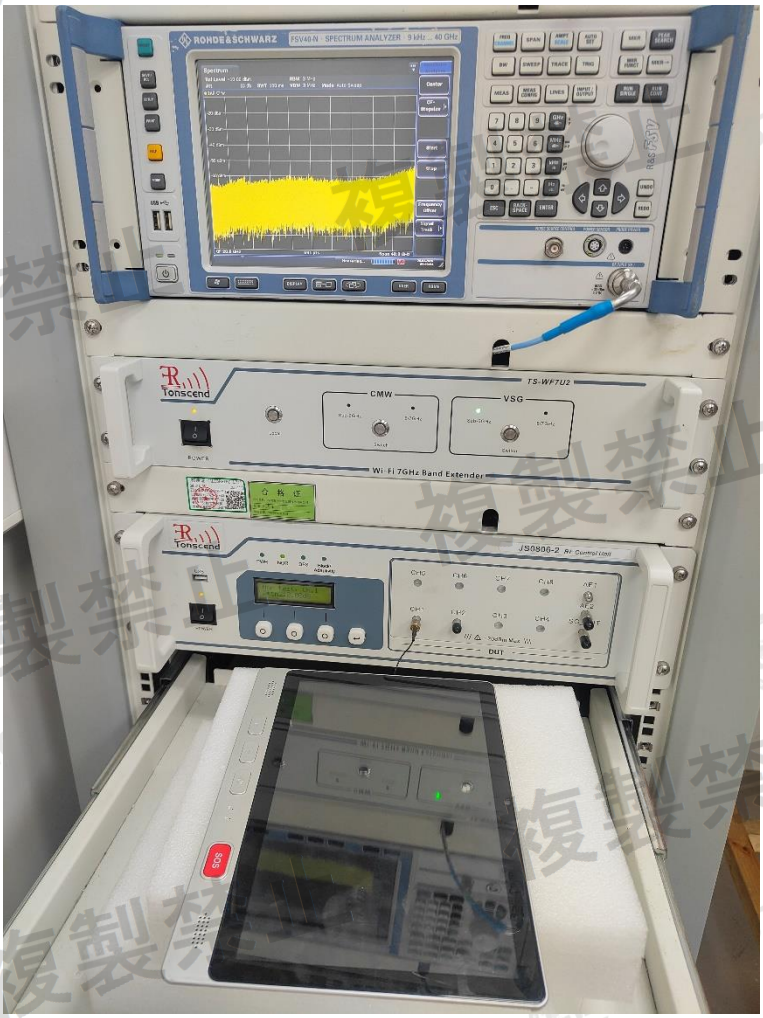


TEST RESULTS

PASS

MAC: 3B: 1D: 6A: C4: B2: 5E

4 Test Setup Photos of the EUT



5 Photos of the EUT

Reference to the test report **CTA26031200201**

********** End of Report **********