

Report No.: SUCR250400030603

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TEST REPORT

Application No.: SUCR2504000306AT

Applicant: Shanghai Sunmi Technology Co.,Ltd.

Address of Applicant: Room 505, No. 388, Song Hu Road, Yang Pu District, Shanghai, China

Shanghai Sunmi Technology Co.,Ltd. Manufacturer:

Address of Manufacturer: Room 505, No. 388, Song Hu Road, Yang Pu District, Shanghai, China

EUT Description: Smart Interactive Terminal

Model No.: F962A **Trade Mark:** SUNMI

FCC ID: 2AH25F962AL

Standards: FCC 47 CFR Part 2, Subpart J

FCC 47 CFR Part 15, Subpart C

Date of Receipt: April 24, 2025

Date of Test: April 25, 2025 to May 30, 2025

Date of Issue: June 12, 2025

Test Result: PASS *

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email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd. South of No. 6 Plant, No. 1, RunSheng Road, Suzhou Industrial Park, Wireless Laboratory

Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000

t (86-512) 6229 2980 www.sgsgroup.com.cn

In the configuration tested, the EUT detailed in this report complied with the standards specified



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Version

Revision Record					
Version	Remark				
01	Original	June 12, 2025	/		

Authorized for issue by:	Hayley Zhang	
	Hayley Zhang / Project Manager	
Approved By	Cloud Peng	
	Cloud Peng/Technical Manager	



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1 Test Summary

Test Item	FCC Rule No.	Test Method	Test Result	Result
Antenna Requirement	15.203/15.247(b)		Clause 3.1	
AC Power Line Conducted Emission	15.207	ANSI C63.10 2013 Section 6.2	Clause 3.2	
Duty Cycle		ANSI C63.10 2013 Section 11.6	Clause 3.3	
Conducted Output Power	15.247 (b)(3)	ANSI C63.10 2013 Section11.9.1.3	Clause 3.4	
DTS (6 dB) Bandwidth & 99% Occupied Bandwidth	15.247 (a)(2)	ANSI C63.10 2013 Section 11.8 Option 2 / 6.9.3	Clause 3.5	Reference report
Power Spectral Density	15.247 (e)	ANSI C63.10 2013 Section 11.10.2	Clause 3.6	SUCR250400030303
Band-edge for RF Conducted Emissions	15.247(d)	ANSI C63.10 2013 Section 11.11	Clause 3.7	
RF Conducted Spurious Emissions	15.247(d)	ANSI C63.10 2013 Section 11.11	Clause 3.8	
Radiated Spurious Emissions	15.247(d);15.205/15.209	ANSI C63.10 2013 Section 11.12	Clause 3.9	
Restricted bands around fundamental frequency (Radiated Emission)	15.247(d);15.205/15.209	ANSI C63.10 2013 Section 11.12	Clause 3.10	

Remark:

This test report (Report No.: SUCR250400030603 issue on 2025/06/12) is based on the original test report (Report No.: SUCR250400030303 issue on 2025/06/12).

Review this report and original report, this report just changing the parts according to the declaration letter from client.

Therefore in this report all items do not need to retest and all test data in this report are based on the previous report with report number SUCR250400030303 issue on 2025/06/12. Please refer to SUCR250400030605 issue on 2025/06/12 for details.



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2 General Information

2.1 Details of Client

Applicant:	Shanghai Sunmi Technology Co.,Ltd.
Address of Applicant:	Room 505,No.388,Song Hu Road,Yang Pu District,Shanghai,China
Manufacturer:	Shanghai Sunmi Technology Co.,Ltd.
Address of Manufacturer:	Room 505,No.388,Song Hu Road,Yang Pu District,Shanghai,China

2.2 Test Location

Company:	SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
Address:	South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone
Post code:	215000
Test engineer:	Ives Cheng, King-p Li

2.3 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

• A2LA (Certificate No. 6336.01)

SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 6336.01.

• Innovation, Science and Economic Development Canada

SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0120.

IC#: 27594.

• FCC –Designation Number: CN1312

SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. has been recognized as an

accredited testing laboratory. Designation Number: CN1312.

Test Firm Registration Number: 717327



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2.4 General Description of EUT

Hardware Version:	6225Coreboard_MB_V3.0				
Software Version:	4.0.12				
Power Supply:	20V	20V			
Operation Francisco	802.11b/g/n(HT20):		2412MHz to 2462MHz		
Operation Frequency:	802.11n(HT4	0):	2422MHz to 2452MHz		
Madulation Type	802.11b:	DSSS (DBPSK, DQF	PSK, CCK)		
Modulation Type:	802.11g/n:	OFDM (BPSK, QPSK, 16QAM, 64QAM)			
Number of Channels:	8802.11b/g/n(HT20): 11 802.11n(HT40): 7				
Channel Spacing:	5MHz	5MHz			
Smart System:					
Antenna Type:	PIFA Antenna	PIFA Antenna			
	F962A: 0.4dE	Bi			
Antenna Gain:	Note: The antenna gain are derived from the gain information report provided by the manufacturer.				
RF Cable:	1dB				
Remark:	_				

As above information is provided and confirmed by the applicant. SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.



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	Operation Frequency of each channel (802.11b/g/n HT20)						
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2412MHz	4	2427MHz	7	2442MHz	10	2457MHz
2	2417MHz	5	2432MHz	8	2447MHz	11	2462MHz
3	2422MHz	6	2437MHz	9	2452MHz		
		Operation Fr	equency of ea	ach channel (802.11n HT40)	
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
3	2422MHz	6	2437MHz	9	2452MHz		
4	2427MHz	7	2442MHz				
5	2432MHz	8	2447MHz				

Remark:

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 below:

Channel	Frequency for 802.11 b/g/n (HT20)	Frequency for 802.11n (HT40)
The Lowest channel	2412MHz	2422MHz
The Middle channel	2437MHz	2437MHz
The Highest channel	2462MHz	2452MHz



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2.5 Test Environment and Mode

Environment Parameter	101 kPa Selected Values During Tests			
Relative Humidity	44-46 % RH Ambient			
Value	Temperature(°C)	Voltage(V)		
NTNV	22~23	3.87		
Remark:				

NV: Normal Voltage

NT: Normal Temperature

2.6 Description of Support Units

The EUT has been tested as an independent unit.

2.7 Worst-case configuration and mode

Low data rate was used to test on antenna port conducted tests and radiated spurious emissions since it has the highest maximum power. Following are the worst-case data rates set for test:

Modulation Type	SISO - Data Rate	MIMO - Data Rate
802.11b	1 Mbps	/
802.11g	6 Mbps	/
802.11n (HT 20)	MCS0 (6.5 Mbps)	/
802.11n (HT 40)	MCS0 (13.5 Mbps)	/



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3 Equipment List

	RF Test Equipment					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date	
Shielding Room	Brilliant-emc	N/A	SUWI-04-08-01	11/9/2022	11/8/2025	
Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-07	2/13/2025	2/12/2026	
Measurement Software	Tonscend	TST272 V2.0	SUWI-03-55-03	NCR	NCR	
Signal Analyzer	ROHDE&SCHWARZ	FSW43	SUWI-01-02-04	1/20/2025	1/19/2026	
Temperature Chamber	ESPEC	SU-242	SUWI-01-13-02	5/9/2024 5/7/2025	5/8/2025 5/6/2026	
Wideband Radio Communication Tester	ROHDE&SCHWARZ	CMW500	SUWI-01-16-05	1/21/2025	1/20/2026	
DC Power Supply	HYELEC	HY3005B	SUWI-01-18-01	1/15/2025	1/14/2026	
Power meter	Anritsu	ML2495A	SUWI-01-31-01	11/19/2024	11/18/2025	
Pulse power sensor	Anritsu	MA2411B	SUWI-01-32-01	11/19/2024	11/18/2025	
MXG Vector signal genitor	KEYSIGHT	N5182B	SUWI-01-38-01	1/15/2025	1/14/2026	
Router	ASUS	GT-AXE11000(FCC ID MSQ-RTAXJF00)	SUWI-03-14-02	NCR	NCR	
Signal Analyzer	KEYSIGHT	N9020A	SUWI-01-02-07	11/19/2024	11/18/2025	

CE Test System					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Test receiver	ROHDE&SCHWARZ	ESR7	SUWI-01-10-01	1/15/2025	1/14/2026
Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-06	2/13/2025	2/12/2026
Artificial network	ROHDE&SCHWARZ	ENV216	SUWI-01-19-03	5/8/2025	5/7/2026
Artificial network	ROHDE&SCHWARZ	ENV216	SUWI-01-19-04	5/8/2025	5/7/2026
Measurement Software	Tonscend	JS32-CE 4.0.0.2	SUWI-02-09-05	NCR	NCR



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	RSE Test Equipment					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date	
Semi-Anechoic Chamber	Brilliant-emc	N/A	SUWI-04-02-01	6/3/2023	6/2/2026	
Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-05	2/13/2025	2/12/2026	
Signal Analyzer	ROHDE&SCHWARZ	FSW43	SUWI-01-02-04	1/20/2025	1/19/2026	
Signal Analyzer	KEYSIGHT	N9020A	SUWI-01-02-07	11/21/2024	11/20/2025	
Test receiver	ROHDE&SCHWARZ	ESR7	SUWI-01-10-01	1/15/2025	1/14/2026	
Receiving antenna	SCHWRZBECK MESS- ELEKTRONIK	VULB 9163	SUWI-01-11-01	5/13/2023 5/7/2025	5/12/2025 5/6/2027	
Receiving antenna	SCHWRZBECK MESS- ELEKTRONIK	BBHA 9120D	SUWI-01-11-02	5/13/2023 5/7/2025	5/12/2025 5/6/2027	
Receiving antenna	SCHWRZBECK MESS- ELEKTRONIK	BBHA 9170	SUWI-01-11-03	5/12/2023 5/7/2025	5/11/2025 5/6/2027	
Active Loop Antenna	SCHWRZBECK MESS- ELEKTRONIK	FMZB 1519B	SUWI-01-21-01	5/13/2023 5/7/2025	5/12/2025 5/6/2027	
Amplifier	Tonscend	TAP9K3G32	SUWI-01-14-06	11/19/2024	11/24/2025	
Amplifier	Tonscend	TAP01018050	SUWI-01-14-04	11/19/2024	11/24/2025	
Amplifier	Tonscend	TAP30M7G30	SUWI-01-14-05	11/19/2024	11/24/2025	
Measurement Software	Tonscend	JS32-RE V4.0.0.0	SUWI-02-09-04	NCR	NCR	

Remark:

^{1.}NCR=No Calibration Requirement.

^{2.} The testing time for CE is from 2025.5.9



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4 Measurement Uncertainty (95% confidence levels, k=2)

, , ,				
No.	Item	Measurement Uncertainty		
1	Total RF power, conducted	±0.54dB		
2	RF power density, conducted	±1.03dB		
3	Spurious emissions, conducted	±0.54dB		
4	Radio Frequency	1%		
5	Duty Cycle	±0.37%		
6	Occupied Bandwidth	1%		
7	Conduction Emission	± 2.90dB (150kHz to 30MHz)		
		± 3.13dB (9k -30MHz)		
	Radiated Emission	± 4.8dB (30M -1GHz)		
8		± 4.8dB (1GHz to 18GHz)		
		± 4.80dB (Above 18GHz)		
		·		

Remark:

The U_{lab} (lab Uncertainty) is less than U_{clspr/ETSI} (CISPR/ETSI Uncertainty), so the test results – 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.



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5 Test results and Measurement Data

5.1 Antenna Requirement

Standard requirement: 47 CFR Part 15C Section 15.203 /247(b)

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(b) (4) requirement:

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

The antenna is PIFA Antenna and no consideration of replacement. The best case gain of the antenna (F962A) is 0.4dBi.

Note:

The antenna gain are derived from the gain information report provided by the manufacturer. Remark:

As above information is provided and confirmed by the applicant. SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.



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5.2 AC Power Line Conducted Emissions

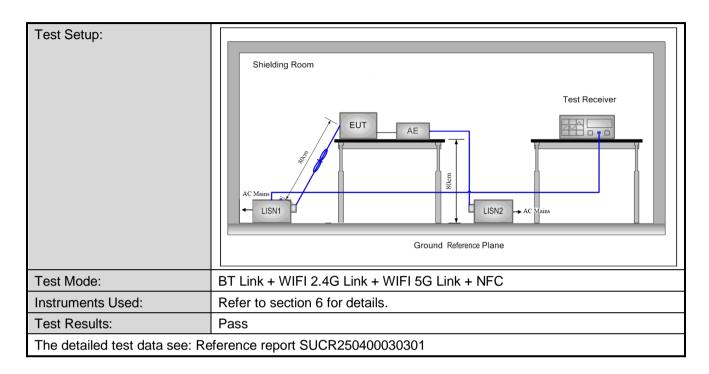
Test Requirement:	47 CFR Part 15C Section	n 15.207	
Test Method:	ANSI C63.10: 2013 Section 6.2		
Test Frequency Range:	150kHz to 30MHz		
Receiver Setup:	RBW = 9kHz, VBW = 30	kHz	
Limit:	Limit (dBuV)		
	Frequency range (MHz)	Quasi-peak	Average
	0.15-0.5	66 to 56*	56 to 46*
	0.5-5	56	46
	5-30	60	50
	* Decreases with the log	arithm of the frequency.	
Test Procedure:	room. 2) The EUT was connect Impedance Stabilization impedance. The power of a second LISN 2, which implease in the same way at multiple socket outlet strictly single LISN provided the 3) The tabletop EUT was ground reference plane. placed on the horizontal 4) The test was perform of the EUT shall be 0.4 invertical ground reference reference plane. The LIS unit under test and bond mounted on top of the ground between the closest point the EUT and associated In order to find the maxim	ed with a vertical ground refern from the vertical ground reference plane was bonded to the hose N 1 was placed 0.8 m from the document of the LISN 1 and the EUT equipment was at least 0.8 m mum emission, the relative pointerface cables must be cha	ugh a LISN 1 (Line 0Ω/50μH + 5Ω linear EUT were connected to ference g measured. A ole power cables to a exceeded. table 0.8m above the ement, the EUT was brence plane. The rear erence plane. The rizontal ground the boundary of the ne for LISNs istance was a from the LISN 2. ositions of



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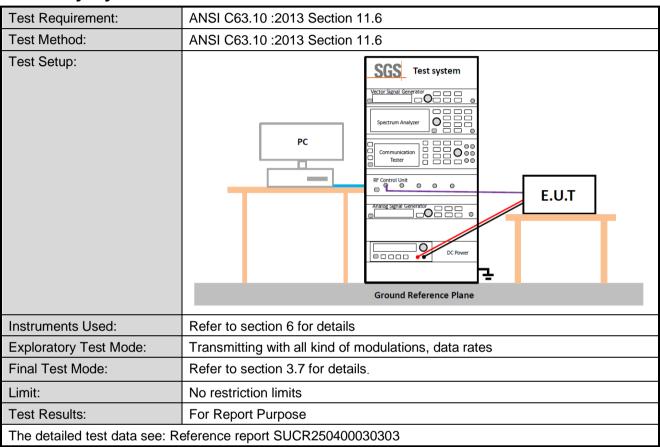




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5.3 Duty Cycle

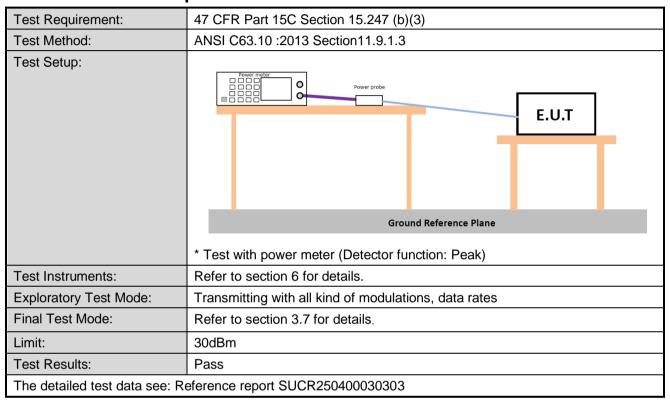




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5.4 Conducted Output Power

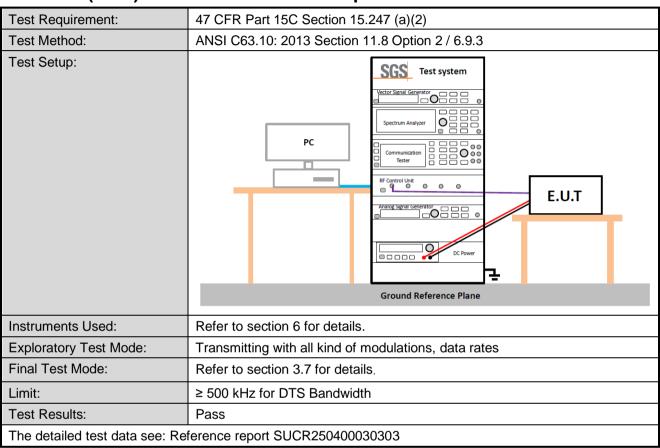




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5.5 DTS (6 dB) Bandwidth & 99% Occupied Bandwidth

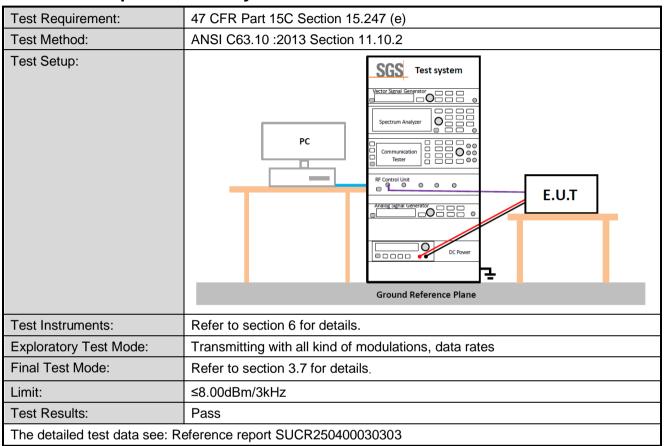




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5.6 Power Spectral Density





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5.7 Band-edge for RF Conducted Emissions

Test Requirement:	47 CFR Part 15C Section 15.247 (d)	
Test Method:	ANSI C63.10: 2013 Section 11.11	
Test Setup:	SGS Test system Vector Signal Generator	
Instruments Used:	Refer to section 6 for details.	
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates	
Final Test Mode:	Refer to section 3.7 for details.	
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.	
Test Results:	Pass	
The detailed test data see: R	eference report SUCR250400030303	



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5.8 RF Conducted Spurious Emissions

Test Requirement:	47 CFR Part 15C Section 15.247 (d)	
Test Method:	ANSI C63.10: 2013 Section 11.11	
Test Setup:	PC Spectrum Analyzer O O O O O O O O O	
Instruments Used:	Refer to section 6 for details.	
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates	
Final Test Mode:	Refer to section 3.7 for details.	
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.	
Test Results:	Pass	
The detailed test data see: Reference report SUCR250400030303		



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5.9 Radiated Spurious Emissions

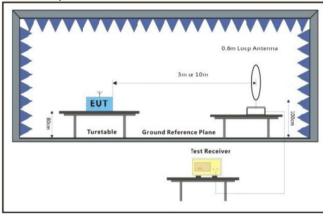
Test Requirement:	47 CFR Part 15C Section 15.209 and 15.205					
Test Method:	ANSI C63.10 :2013 Section 11.12					
Test Site:	Measurement Distance:	3m (Semi-Anechoi	ic Chamber)			
Test Frequency:	9kHz ~ 25GHz					
Receiver Setup:	Frequency	Detector	RBW	VBW	Remark	
	0.009MHz-0.090MHz	Peak	10kHz	30kHz	Peak	
	0.009MHz-0.090MHz	Average	10kHz	30kHz	Average	
	0.090MHz-0.110MHz	Quasi-peak	10kHz	30kHz	Quasi-peak	
	0.110MHz-0.490MHz	Peak	10kHz	30kHz	Peak	
	0.110MHz-0.490MHz	Average	10kHz	30kHz	Average	
	0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak	
	30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak	
	Above 1GHz Peak 1MHz 3MHz Peak					
	Above IGHZ	Peak	1MHz	3MHz	Peak	
Limit:	Frequency	Field strength (microvolt/meter)	Limit (dBuV/m)	Remark	Measurement distance (m)	
	0.009MHz-0.490MHz	2400/F(kHz)	-	-	300	
	0.490MHz-1.705MHz 24000/F(kHz) 30		30			
	1.705MHz-30MHz	30	-		30	
	30MHz-88MHz	100	40.0	Quasi-peak	3	
	88MHz-216MHz	150	43.5	Quasi-peak	3	
	216MHz-960MHz 200 46.0 Quasi-peak 3					
	960MHz-1GHz 500 54.0 Quasi-peak 3					
	Above 1GHz 500 54.0 Average 3					
	Remark: 15.35(b),Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.					



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Test Setup:



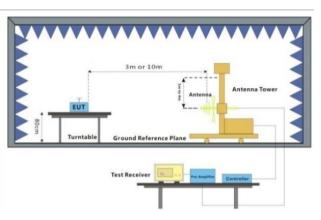


Figure 1. Below 30MHz

Figure 2. 30MHz to 1GHz

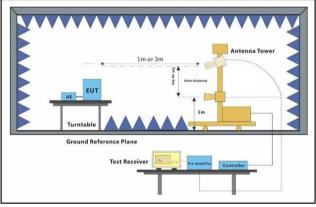


Figure 3. Above 1 GHz

Test Procedure:

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation (Distance from antenna to EUT is 1m for measurements >18GHz).
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters(for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. Test the EUT in the lowest channel, the middle channel ,the Highest



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channel. h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, And found the X axis positioning which it is worse case. i. Repeat above procedures until all frequencies measured was complete. j. The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported k. The disturbance above 18GHz was very low, and the harmonics were the highest point could be found when testing, so only the harmonics had been displayed. l. At a measurement distance of 1 meter the limit line was increased by 20°LOG(3′1) = 9.54 dB. Test Configuration: Measurements below 30MHz RBW = 10 kHz VBW = 30 kHz Detector = Peak & Average & Quasi-peak Trace mode = max hold Measurements Below 1000MHz RBW = 120 kHz VBW = 300 kHz Detector = Quasi-peak Trace mode = max hold Measurements Above 1000 MHz RBW = 1 MHz VBW ≥ 3 MHz Detector = Peak Sweep time = auto Trace mode = max hold Average Measurements Above 1000MHz RBW = 1 MHz VBW ≥ 17, when duty cycle is no less than 98 percent. VBW ≥ 17, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation. Exploratory Test Mode: Transmitting with all kind of modulations, data rates. Charge + Transmitting mode. Refer to section 3.7 for details. For below 1GHz part, through pre-scan all channels, but only the worst case is recorded in the report. Instruments Used: Refer to section 6 for details. Fest Results: Pass The detailed test data see: Reference report SUCR250400030303		
 RBW = 10 kHz VBW = 30 kHz Detector = Peak & Average & Quasi-peak Trace mode = max hold Measurements Below 1000MHz RBW = 120 kHz VBW = 300 kHz Detector = Quasi-peak Trace mode = max hold Peak Measurements Above 1000 MHz RBW = 1 MHz VBW ≥ 3 MHz Detector = Peak Sweep time = auto Trace mode = max hold Average Measurements Above 1000MHz RBW = 1 MHz VBW ≥ 1 MHz VBW = 10 Hz, when duty cycle is no less than 98 percent. VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation. Exploratory Test Mode: Transmitting with all kind of modulations, data rates. Charge + Transmitting mode. Final Test Mode: Refer to section 3.7 for details. For below 1GHz part, through pre-scan all channels, but only the worst case is recorded in the report. Instruments Used: Refer to section 6 for details. Pass 		 h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, And found the X axis positioning which it is worse case. i. Repeat above procedures until all frequencies measured was complete. j. The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported k. The disturbance above 18GHz was very low, and the harmonics were the highest point could be found when testing, so only the harmonics had been displayed. l. At a measurement distance of 1 meter the limit line was increased by
Exploratory Test Mode: Transmitting with all kind of modulations, data rates. Charge + Transmitting mode. Refer to section 3.7 for details. For below 1GHz part, through pre-scan all channels, but only the worst case is recorded in the report. Instruments Used: Refer to section 6 for details. Test Results: Pass	Test Configuration:	 RBW = 10 kHz VBW = 30 kHz Detector = Peak & Average & Quasi-peak Trace mode = max hold Measurements Below 1000MHz RBW = 120 kHz VBW = 300 kHz Detector = Quasi-peak Trace mode = max hold Peak Measurements Above 1000 MHz RBW = 1 MHz VBW ≥ 3 MHz Detector = Peak Sweep time = auto Trace mode = max hold Average Measurements Above 1000MHz RBW = 1 MHz VBW = 10 Hz, when duty cycle is no less than 98 percent. VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its
For below 1GHz part, through pre-scan all channels, but only the worst case is recorded in the report. Instruments Used: Refer to section 6 for details. Test Results: Pass	Exploratory Test Mode:	Transmitting with all kind of modulations, data rates.
Test Results: Pass	Final Test Mode:	For below 1GHz part, through pre-scan all channels, but only the worst case is
	Instruments Used:	Refer to section 6 for details.
The detailed test data see: Reference report SUCR250400030303	Test Results:	Pass
	The detailed test data see	E: Reference report SUCR250400030303



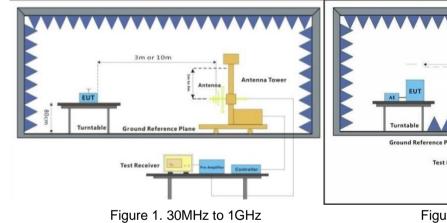
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5.10Restricted bands around fundamental frequency

Test Requirement:	47 CFR Part 15C Section 15.209 and 15.205				
Test Method:	ANSI C63.10: 2013 Section	11.12			
Test Site:	Measurement Distance: 3m	Measurement Distance: 3m (Semi-Anechoic Chamber)			
Limit:	Frequency	Frequency Limit (dBuV/m) Remark			
	30MHz-88MHz 40.0 Quasi-peak				
	88MHz-216MHz 43.5 Quasi-pea				
	216MHz-960MHz	46.0	Quasi-peak		
	960MHz-1GHz 54.0 Quasi-		Quasi-peak		
	Above 1GHz	54.0	Average Value		
	Above IGHZ	74.0	Peak Value		

Test Setup:



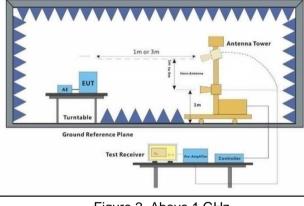


Figure 2. Above 1 GHz



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Test Procedure:	a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.	
	b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.	
	c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.	
	d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.	
	e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.	
	f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.	
	g. Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel	
	h. Test the EUT in the lowest channel, the Highest channel	
	i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, And found the X axis positioning which it is worse case.	
	j. Repeat above procedures until all frequencies measured was complete.	
Test Configuration:	Measurements Below 1000MHz	
	• RBW = 120 kHz	
	• VBW = 300 kHz	
	Detector = Quasi-peak	
	Trace mode = max hold	
	Peak Measurements Above 1000 MHz	
	• RBW = 1 MHz	
	• VBW ≥ 3 MHz	
	Detector = Peak	
	Sweep time = auto	
	Trace mode = max hold Average Magazirements Above 1000MHz	
	Average Measurements Above 1000MHz • RBW = 1 MHz	
	VBW = 10 Hz, when duty cycle is no less than 98 percent.	
	 VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum 	
	transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.	
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates.	
	Charge + Transmitting mode.	
Final Test Mode:	Refer to section 3.7 for details.	
Instruments Used:	Refer to section 6 for details.	
Test Results:	Pass	
The detailed test data see	e: Reference report SUCR250400030303	



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6 Photographs - Setup Photos

Refer to Appendix A.1 WLAN Setup Photos.

---End of Report---