TEST REPORT

Applicant:	Shanghai Xiangcheng Communication Technology Co., Ltd
Address:	5F-6F, Building 10, No.3000 Longdong Avenue, Pudong New District, Shanghai City, China
Equipment Type:	Intelligent Mobile Data Capture Terminal
Model Name:	Ranger 2K(N) (refer to section 2.3)
Brand Name:	NA
FCC ID:	2A2UU-MF-R2KWF
Test Standard:	47 CFR Part 15 Subpart E (refer to section 3.1)
Sample Arrival Date:	Aug. 10, 2026
Test Date：	Aug. 11, 2026 - Aug. 24, 2026
Date of Issue:	Sep. 03, 2026

ISSUED BY:

Shanghai Tejet Communications Technology Co., Ltd. Testing Center

Prepared by: Chen Wenwen **Reviewed by:** Hai Su **Approved by:** Zhang Yanqing (Laboratory Manager)

Revision History

Version	Issue Date	Revisions
Rev. 01	Sep. 03, 2026	Initial Issue

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1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shanghai Tejet Communications Technology Co., Ltd. Testing Center
Address	1-2/F., Building 1, No.222, Xuanlan Road, Xuanqiao, Pudong New District, Shanghai, China

1.2 Test Location

Name	Shanghai Tejet Communications Technology Co., Ltd. Testing Center
Location	1-2/F., Building 1, No.222, Xuanlan Road, Xuanqiao, Pudong New District, Shanghai, China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1352.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Shanghai Xiangcheng Communication Technology Co., Ltd
Address	5F-6F, Building 10, No.3000 Longdong Avenue, Pudong New District, Shanghai City, China

2.2 Manufacturer Information

Manufacturer	Shanghai Xiangcheng Communication Technology Co., Ltd
Address	5F-6F, Building 10, No.3000 Longdong Avenue, Pudong New District, Shanghai City, China

2.3 General Description for Equipment under Test (EUT)

EUT Name	Intelligent Mobile Data Capture Terminal
Model Name Under Test	Ranger 2K(N)
Series Model Name	RANGER 2K(N),Ranger2K(N),RANGER2K(N),Ranger 2K/N, RANGER 2K/N,Ranger2K/N,Ranger2K Nova,RANGER2K NOVA, Ranger2K nova,MF60N,MF60U,MF60P,MF60,Nova,MF60 Ultra,MF60 Pro,T2251,T22,P5 Pro,P5 PRO,S40C,S40U
Description of Model name differentiation	All the same except for the model name
Sample Number	CC26070352-001-S01(Conducted) CC26070352-001-S03(Radiated)
Hardware Version	V1.0
Software Version	1.0
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	Bluetooth (BR+EDR+BLE:1M,BLE:2M) 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20/40) 5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80)

The requirement for the following technical information of the EUT was tested in this report:

Frequency Range	U-NII-1: 5150 MHz to 5250 MHz, U-NII-2A: 5250 MHz to 5350 MHz, U-NII-2C: 5470 MHz to 5725 MHz, U-NII-3: 5725 MHz to 5850 MHz
Modulation technology	OFDM
Modulation Type	256QAM, 64QAM, 16QAM, BPSK, QPSK
Transfer Rate (Mbps) (Single RF path)	802.11a: 54/48/36/24/18/12/9/6 Mbps 802.11n: up to 150 Mbps 802.11ac: up to 433.3 Mbps
Channel Bandwidth	802.11a: 20 MHz 802.11n: 20 MHz, 40 MHz 802.11ac: 20 MHz, 40 MHz, 80 MHz
Maximum Output Power	U-NII-1: 30.22 mW U-NII-2A: 29.40 mW U-NII-2C: 28.33 mW U-NII-3: 27.31 mW
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	PIFA Antenna
Antenna Gain	U-NII-1: 5150 MHz to 5250 MHz: 1.70 dBi U-NII-2A: 5250 MHz to 5350 MHz: 1.70 dBi U-NII-2C: 5470 MHz to 5725 MHz: 1.68 dBi U-NII-3: 5725 MHz to 5850 MHz: 2.52 dBi
About the Product	The equipment is Intelligent Mobile Data Capture Terminal, intended for used with information technology equipment.

2.5 Channel List

20 MHz		40 MHz		80 MHz	
Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)
36	**5180**	**38**	**5190**	**42**	**5210**
40	5200	**46**	**5230**	**58**	**5290**
44	**5220**	**54**	**5270**	**106**	**5530**
48	**5240**	**62**	**5310**	122	5610
52	**5260**	**102**	**5510**	**155**	**5775**
56	5280	110	5550		
60	**5300**	118	5590		
64	**5320**	126	5630		
100	**5500**	134	5670		
104	5520	**151**	**5755**		
108	5540	**159**	**5795**		
112	5560				
116	**5580**				
120	5600				
124	5620				
128	5640				
132	5660				
136	5680				
140	**5700**				
149	**5745**				
153	5765				
157	**5785**				
161	5805				
165	**5825**				

The Lowest frequency, the middle frequency and the highest frequency of channel were selected to perform the test, and the selected channel see below:

For 802.11a/n(HT20)/ac(VHT20)

U-NII-1 (5150 - 5250 MHz)			U-NII-2A (5250 - 5350 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
36	Low	5180	52	Low	5260
44	Mid	5220	60	Mid	5300
48	High	5240	64	High	5320

U-NII-2C (5470 - 5725 MHz)			U-NII-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)

100	Low	5500	149	Low	5745
116	Mid	5580	157	Mid	5785
140	High	5700	165	High	5825

For 802.11n(HT40)/ac(VHT40)

U-NII-1 (5150 - 5250 MHz)			U-NII-2A (5250 - 5350 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
38	Low	5190	54	Low	5270
46	High	5230	62	High	5310

U-NII-2C (5470 - 5725 MHz)			U-NII-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
102	Low	5510	151	Low	5755
118	Mid	5590	159	High	5795
134	High	5670			

For 802.11ac(VHT80)

U-NII-1 (5150 - 5250 MHz)			U-NII-2A (5250 - 5350 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
42	Mid	5210	58	Mid	5290

U-NII-2C (5470 - 5725 MHz)			U-NII-3 (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
106	Low	5530	155	Mid	5775
122	High	5610			

Note: Preliminary tests were performed in different data rate in above table to find the worst radiated emission. The data rate shown in the table below is the worst-case rate with respect to the specific test item. Investigation has been done on all the possible configurations for searching the worst cases. The following table is a list of the test modes shown in this test report.

Test Items	Mode	Data Rate	Modulation Type	U-NII-1	U-NII-2A	U-NII-2C	U-NII-3
				Channel	Channel	Channel	Channel
RF Output Power	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155

Emission Bandwidth & 99% Occupied Bandwidth	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155
6 dB bandwidth	11a	6	BPSK	N/A	N/A	N/A	165/157/149
	11n(20 MHz)	6.5		N/A	N/A	N/A	165/157/149
	11n(40 MHz)	13.5		N/A	N/A	N/A	159/151
	11ac(20 MHz)	6.5		N/A	N/A	N/A	165/157/149
	11ac(40 MHz)	13.5		N/A	N/A	N/A	159/151
	11ac(80 MHz)	29.3		N/A	N/A	N/A	155
Power Spectral Density	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155
Radiated Spurious Emissions	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155
Band Edge (Restricted-band)	11a	6	BPSK	48/36	64/52	140/100	165/149
	11n(20 MHz)	6.5		48/36	64/52	140/100	165/149
	11n(40 MHz)	13.5		46/38	62/54	134/102	159/151
	11ac(20 MHz)	6.5		48/36	64/52	140/100	165/149
	11ac(40 MHz)	13.5		46/38	62/54	134/102	159/151
	11ac(80 MHz)	29.3		42	58	122/106	155

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15 Subpart E	Unlicensed National Information Infrastructure Devices
2	KDB Publication 789033 D02v02r01	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
3	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices

3.2 Test Verdict

No.	Description	FCC Part No.	Test Result	Verdict
1	Antenna Requirement	15.203	--	Pass[Note1]
2	RF Output Power	15.407(a)	ANNEX A.1	Pass
3	Emission Bandwidth & 99% Occupied Bandwidth	15.407(a)	ANNEX A.2	Pass
4	6 dB bandwidth	15.407(e)	ANNEX A.3	Pass
5	Power Spectral Density	15.407(a)	ANNEX A.4	Pass
6	Conducted Emission	15.207	ANNEX A.5	Pass
7	Radiated Spurious Emissions and Band Edge (Restricted-band)	15.407(b)	ANNEX A.6	Pass

Note1: The EUT has a permanently and irreplaceable attached antenna, which complies with the requirement FCC 15.203.
Note2: Under all normal operating conditions specified in the user manual, frequency stability can keep radiation within the operating frequency band.

3.3 Measurement Uncertainty

The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2.
This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Parameters	Uncertainty
Occupied Channel Bandwidth	2.40 %
RF output power, conducted	0.41 dB
Power Spectral Density, conducted	1.74 dB
Unwanted Emissions, conducted	1.74 dB
Radiated emissions (9 kHz-30 MHz)	4.00 dB
Radiated emissions (30 MHz-1 GHz)	4.40 dB
Radiated emissions (1 GHz -18 GHz)	5.20 dB
Radiated emissions (18 GHz-40 GHz)	5.60 dB
Temperature	0.82 °C
Humidity	4.08 %

3.4 Decision Rule

☐ No Need
☒ Use General Conformity Decision Rule
☐ Use Special Conformity Decision Rule

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

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

Relative Humidity	48% to 56%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+21.5℃ to +24.3℃
Working Voltage of the EUT	NV (Normal Voltage)	3.85 V

4.2 Test Equipment List

Description	Manufacturer	Model	Equipment No.	Cal. Date	Cal. Due
Spectrum Analyzer	KEYSIGHT	N9020A	BH-EMC-L066	2026.02.03	2027.02.02
Spectrum Analyzer	KEYSIGHT	N9010B	BH-EMC-L099	2026.02.03	2027.02.02
Signal Generator	Anritsu	MG3710E	BH-EMC-L131	2026.02.03	2027.02.02
Wideband Radio Communication Tester	R&S	CMW500	BH-EMC-L094	2026.02.03	2027.02.02
EMI Receiver	KEYSIGHT	N9038A	BH-EMC-L015	2026.03.20	2027.03.19
Test Antenna-Loop(9 kHz-30 MHz)	SCHWARZBECK	FMZB 1519 B	BH-EMC-L067	2024.03.11	2027.03.10
Test Antenna-Bi-Log(30 MHz-3 GHz)	SCHWARZBECK	VULB 9163	BH-EMC-L008	2024.03.11	2027.03.10
Test Antenna-Horn(1-18 GHz)	SCHWARZBECK	BBHA 9120D	BH-EMC-L044	2024.03.11	2027.03.10
Test Antenna-Horn (18-40 GHz)	A-INFO	LB-180400-KF	BH-EMC-L061	2024.03.11	2027.03.10
Anechoic Chamber	YiHeng	9m*6m*6m	BH-EMC-L001	2024.04.18	2027.04.17
EMI Receiver	KEYSIGHT	N9038A	BH-EMC-L127	2026.02.05	2027.02.04
LISN	SCHWARZBECK	NSLK 8127	BH-EMC-L011	2026.02.04	2027.02.03
10dB Limiter	SCHWARZBECK	VTSD 9561-F	BH-EMC-L014	2026.02.04	2027.02.03
Shielded Room	YiHeng	5m*4m*3.2m	BH-EMC-L006	2024.02.22	2027.02.21

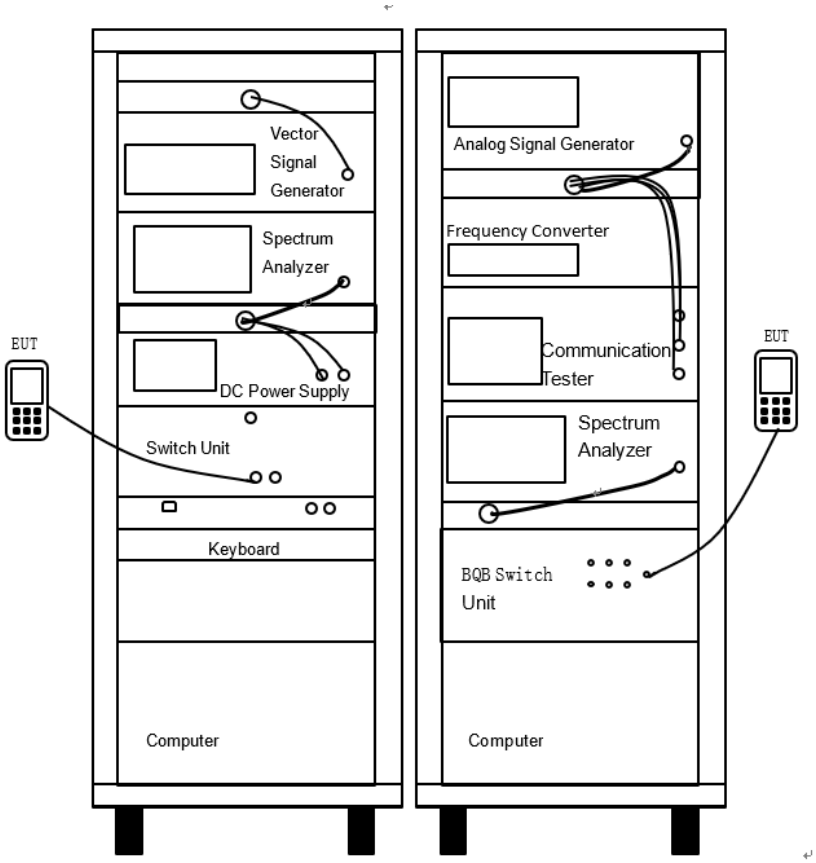
4.3 Test Software List

Description	Manufacturer	Software Version	Serial No.	Applicable Test Setup
BL410R	BALUN	V3.5.2.642	N/A	The section 4.4.1
BL410-E	BALUN	V21.919	N/A	The section 4.4.3&4.4.4&4.4.5
BL410-E	BALUN	V19.618	N/A	The section 4.4.2

4.4 Description of Test Setup

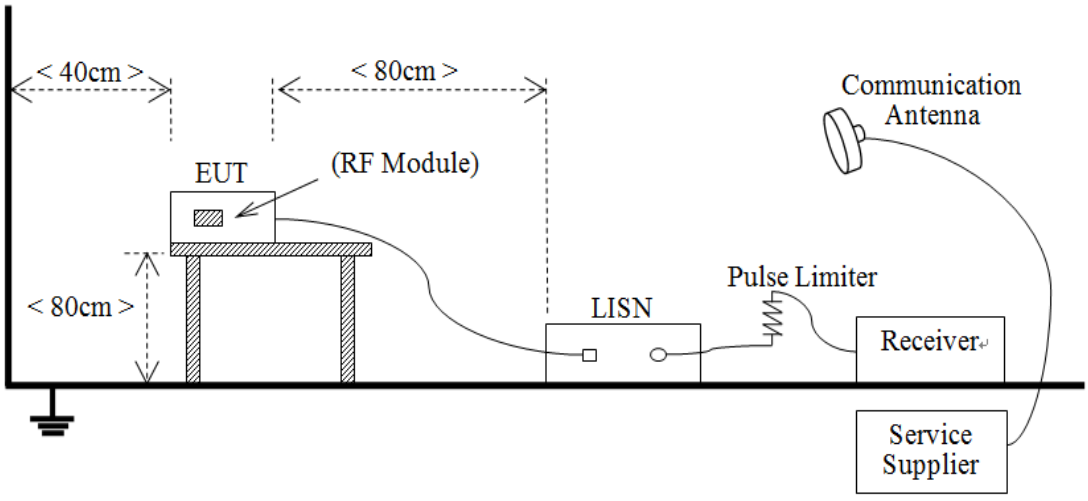
4.4.1 For Antenna Port Test

Conducted value (dBm) = Measurement value (dBm) + cable loss (dB)
For example: the measurement value is 10 dBm and the cable 0.5 dB used, then the final result of EUT:
Conducted value (dBm) = 10 dBm + 0.5 dB = 10.5 dBm



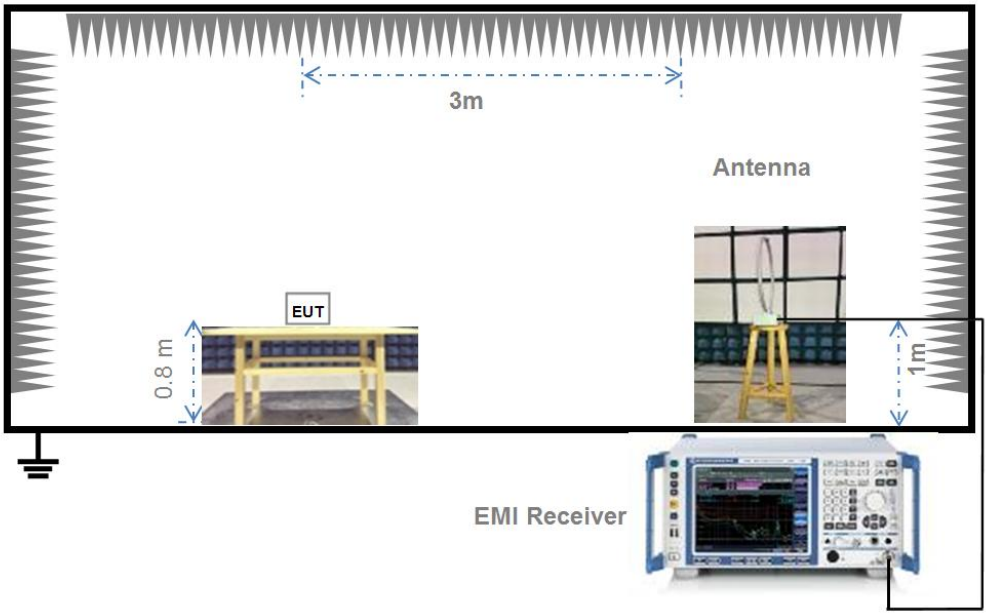
(Diagram 1)

4.4.2 For AC Power Supply Port Test



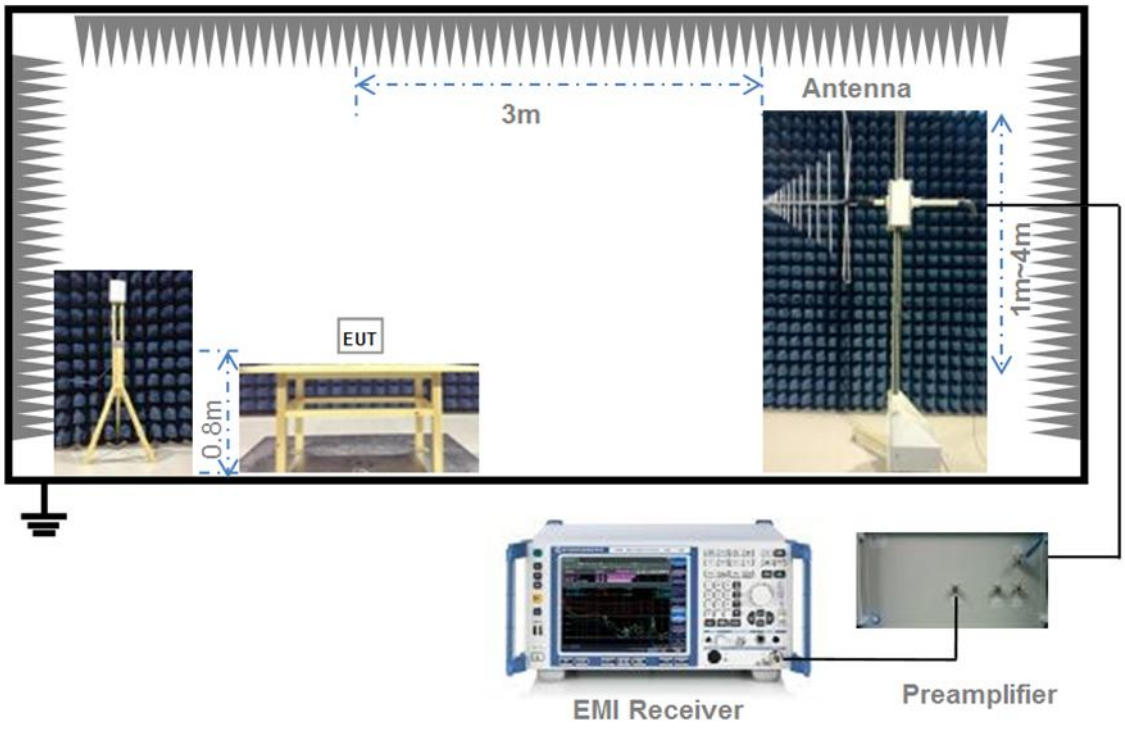
(Diagram 2)

4.4.3 For Radiated Test (Below 30 MHz)



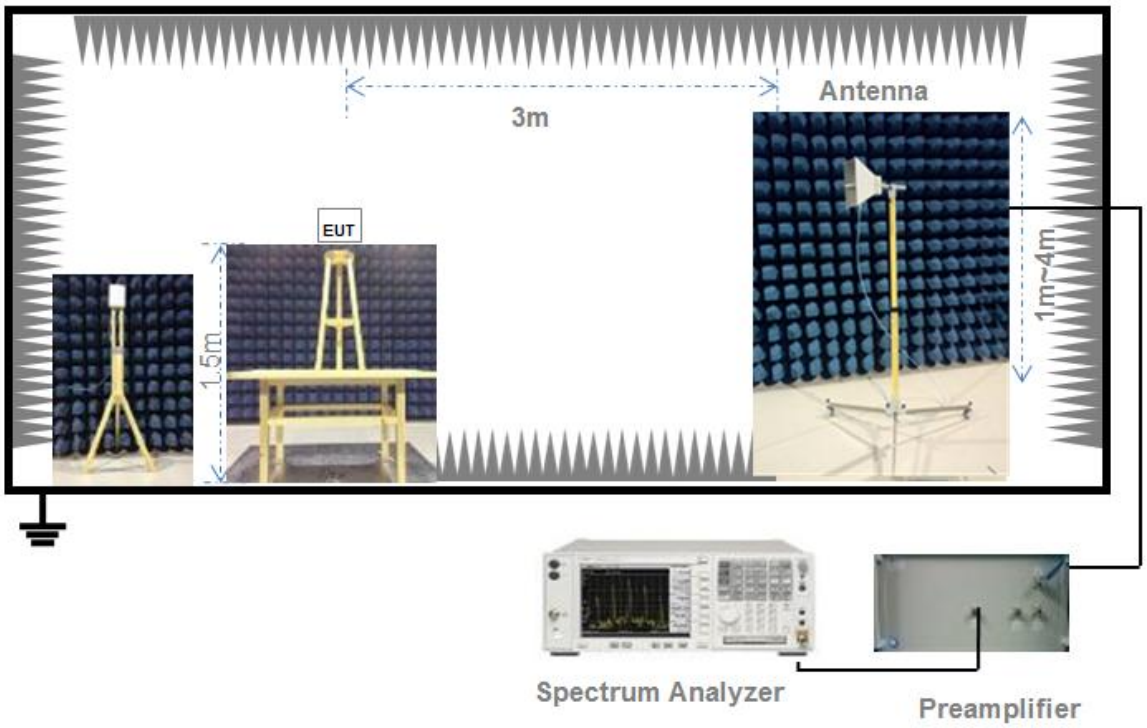
(Diagram 3)

4.4.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.4.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

5 TEST ITEMS

5.1 RF Output Power

5.1.1 Test Limit

FCC §15.407(a)
The maximum conducted output power should not exceed:

Frequency Band (MHz)	Limit
5150-5250	250 mW
5250-5350	250 mW or 11 dBm + 10log B, whichever is less.
5470-5725	250 mW or 11 dBm + 10log B, whichever is less.
5725-5850	1 W
Note: Where “B” is the 26 dB emissions bandwidth in MHz.	

5.1.2 Test Setup

The section 4.4.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.1.3 Test Procedure

Maximum conducted (average) output power
a) Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the conditions listed below are satisfied.
1) The EUT is configured to transmit continuously or to transmit with a constant duty cycle.
2) At all times when the EUT is transmitting, it shall be transmitting at its maximum power control level.
3) The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.
b) If the transmitter does not transmit continuously, measure the duty cycle (x) of the transmitter output signal.
c) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.
d) Adjust the measurement in dBm by adding 10 log (1/x) where x is the duty cycle.

Measurements of duty cycle
The zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the on and off times of the transmitted signal.
Set the center frequency of the instrument to the center frequency of the transmission.
Set RBW ≥ OBW if possible; otherwise, set RBW to the largest available value.
Set VBW ≥ RBW. Set detector = peak or average.
The zero-span measurement method shall not be used unless both RBW and VBW are > 50/T and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring duty cycle shall not be used if T ≤ 16.7 microseconds.)
The E.I.R.P used radiated test method. At a test site that has been validated using the procedures of ANSI C63.4 or the latest CISPR 16-1-4 for measurements above 1 GHz, so as to simulate a near free-space

environment.

5.1.4 Test Result

Please refer to ANNEX A.1.

5.2 Emission Bandwidth and 6 dB Bandwidth

5.2.1 Limit

FCC §15.407(a)

Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

5.2.2 Test Setup

The test setup photo please refer to 4.4.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.2.3 Test Procedure

Emission bandwidth

1. Set RBW = approximately 1% of the emission bandwidth.
2. Set VBW ≥ 3*RBW,
3. Detector = Peak.
4. Trace mode = Max hold.
5. Measure the maximum width of the emission that is 26 dB down from the peak of the emission.

Occupied Bandwidth

1. Set Span = 1.5 times to 5.0 times the OBW
2. Set RBW = 1% to 5% of the OBW.
3. Set VBW ≥ 3*RBW,
4. Detector = Peak.
5. Trace mode = Max hold.
6. Use the 99% power bandwidth function of the instrument.

6 dB bandwidth

1. Set RBW = 100 kHz, VBW = 300 kHz.
2. Detector = Peak.
3. Trace mode = Max hold.
4. Allow the trace to stabilize.
5. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

5.2.4 Test Result

Please refer to ANNEX A.2 and ANNEX A.3.

5.3 Power Spectral density (PSD)

5.3.1 Limit

FCC §15.407(a)

The maximum power spectral density should not exceed:

Frequency Band (MHz)	Limit
5150-5250	11 dBm/MHz
5250-5350	11 dBm/MHz
5470-5725	11 dBm/MHz
5725-5850	30 dBm/500kHz

5.3.2 Test Setup

The section 4.4.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.3.3 Test Procedure

Set the spectrum analyzer or EMI receiver span to view the entire emission bandwidth.
1. Set RBW = 510 kHz/1 MHz, VBW ≥ 3*RBW, Sweep time = Auto, Detector = RMS.
2. Allow the sweeps to continue until the trace stabilizes.
3. Use the peak marker function to determine the maximum amplitude level.
4. The E.I.R.P spectral density used radiated test method. At a test site that has been validated using the procedures of ANSI C63.4 or the latest CISPR 16-1-4 for measurements above 1 GHz, so as to simulate a near free-space environment.

5.3.4 Test Result

Please refer to ANNEX A.4.

5.4 Conducted Emission

5.4.1 Limit

FCC §15.207

For an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency within the U-NII-150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50μH/50Ω line impedance stabilization network (LISN).

Frequency range (MHz)	Conducted Limit (dBμV)	
	Quai-peak	Average
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5	56	46
5 - 30	60	50

5.4.2 Test Setup

The section 4.4.2 (Diagram 2) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.4.3 Test Procedure

The maximum conducted interference is searched using Peak (PK), if the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed. Refer to recorded points and plots below.

5.4.4 Test Result

Please refer to ANNEX A.5.

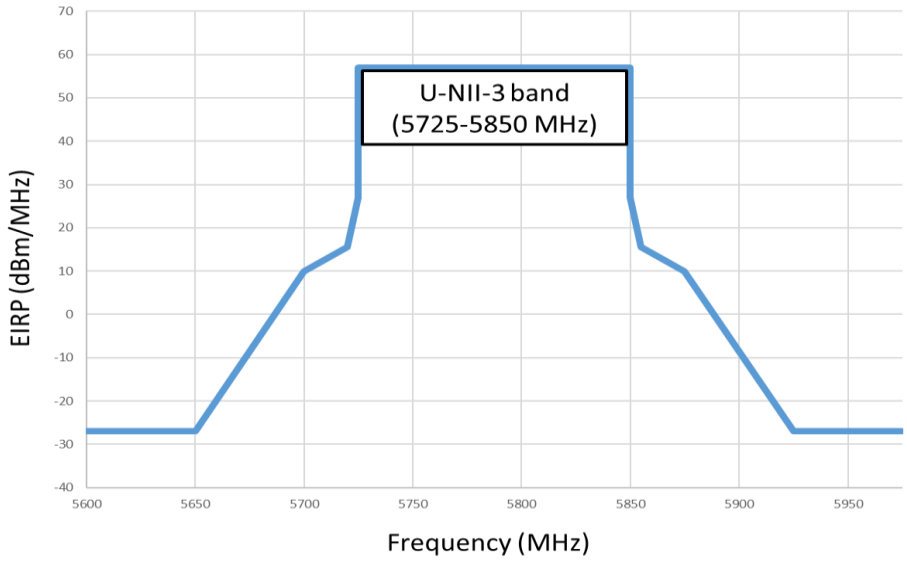
5.5 Radiated Spurious Emissions and Band Edge (Restricted-band)

5.5.1 Limit

FCC §15.209 & 15.407(b)

Frequency (MHz)	Field Strength (μV/m)	Measurement Distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

Note [1]: The Limit for radiated test was performed according to FCC Part 15C
Note [2]: The tighter limit applies at the band edge.

Un-restricted band emissions	
Out Operating Band (MHz)	Limit
5150 - 5250	e.i.r.p. -27 dBm (68.2 dBuV/m@3m)
5250 - 5350	e.i.r.p. -27 dBm (68.2 dBuV/m@3m)
5470 - 5725	e.i.r.p. -27 dBm (68.2 dBuV/m@3m)
5725 - 5850	All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge. 

Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength.

5.5.2 Test Setup

The section 4.4.3-4.4.5 (Diagram 3 - Diagram 5) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.5.3 Test Procedure

Since the emission limits are specified in terms of radiated field strength levels, measurements performed to demonstrate compliance have traditionally relied on a radiated test configuration. Radiated measurements remain the principal method for demonstrating compliance to the specified limits; however antenna-port conducted measurements are also now acceptable to demonstrate compliance (see below for details). When radiated measurements are utilized, test site requirements and procedures for maximizing and measuring radiated emissions that are described in ANSI C63.10 shall be followed.

Antenna-port conducted measurements may also be used as an alternative to radiated measurements for demonstrating compliance in the restricted frequency bands. If conducted measurements are performed, then proper impedance matching must be ensured and an additional radiated test for cabinet/case spurious emissions is required.

General Procedure for conducted measurements in restricted bands

a) Measure the conducted output power (in dBm) using the detector specified (see guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).
b) Add the maximum transmit antenna gain (in dBi) to the measured output power level to determine the EIRP level (see guidance on determining the applicable antenna gain)
c) Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies ≤ 30 MHz, 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive and 0 dB for frequencies > 1000 MHz).
d) For devices with multiple antenna-ports, measure the power of each individual chain and sum the EIRP of all chains in linear terms (e.g., Watts, mW).
e) Convert the resultant EIRP level to an equivalent electric field strength using the following relationship:
$E = EIRP – 20\log D + 104.8$
where:
E = electric field strength in dBμV/m,
EIRP = equivalent isotropic radiated power in dBm
D = specified measurement distance in meters.
f) Compare the resultant electric field strength level to the applicable limit.
g) Perform radiated spurious emission test.

Quasi-Peak measurement procedure

The specifications for measurements using the CISPR quasi-peak detector can be found in Publication 16 of the International Special Committee on Radio Frequency Interference (CISPR) of the International Electrotechnical Commission.

As an alternative to CISPR quasi-peak measurement, compliance can be demonstrated to the applicable emission limits using a peak detector.

Peak power measurement procedure

Peak emission levels are measured by setting the instrument as follows:

a) RBW = as specified in Table 1.
b) VBW ≥ 3 * RBW.
c) Detector = Peak.
d) Sweep time = auto.
e) Trace mode = max hold.
f) Allow sweeps to continue until the trace stabilizes. (Note that the required measurement time may be longer for low duty cycle applications).

Table 1—RBW as a function of frequency

Frequency	RBW
9-150 kHz	200-300 Hz
0.15-30 MHz	9-10 kHz
30-1000 MHz	100-120 kHz
> 1000 MHz	1 MHz

If the peak-detected amplitude can be shown to comply with the average limit, then it is not necessary to perform a separate average measurement.

Trace averaging across on and off times of the EUT transmissions followed by duty cycle correction

If continuous transmission of the EUT (i.e., duty cycle ≥ 98 percent) cannot be achieved and the duty cycle is constant (i.e., duty cycle variations are less than ± 2 percent), then the following procedure shall be used:
a) The EUT shall be configured to operate at the maximum achievable duty cycle.
b) Measure the duty cycle, x, of the transmitter output signal as described in section 6.0.
c) RBW = 1 MHz (unless otherwise specified).
d) VBW ≥ 3 * RBW.
e) Detector = RMS, if span/(# of points in sweep) ≤ (RBW/2). Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak.
f) Averaging type = power (i.e., RMS).
1) As an alternative, the detector and averaging type may be set for linear voltage averaging.
2) Some instruments require linear display mode in order to use linear voltage averaging. Log or dB averaging shall not be used.
g) Sweep time = auto.
h) Perform a trace average of at least 100 traces.
i) A correction factor shall be added to the measurement results prior to comparing to the emission limit in order to compute the emission level that would have been measured had the test been performed at 100 percent duty cycle. The correction factor is computed as follows:
1) If power averaging (RMS) mode was used in step f), then the applicable correction factor is 10 log(1/x), where x is the duty cycle.
2) If linear voltage averaging mode was used in step f), then the applicable correction factor is 20 log(1/x), where x is the duty cycle.
3) If a specific emission is demonstrated to be continuous (≥ 98 percent duty cycle) rather than turning on

and off with the transmit cycle, then no duty cycle correction is required for that emission.
NOTE: Reduction of the measured emission amplitude levels to account for operational duty factor is not permitted. Compliance is based on emission levels occurring during transmission - not on an average across on and off times of the transmitter.

Determining the applicable transmit antenna gain

A conducted power measurement will determine the maximum output power associated with a restricted band emission; however, in order to determine the associated EIRP level, the gain of the transmitting antenna (in dBi) must be added to the measured output power (in dBm).

Since the out-of-band characteristics of the EUT transmit antenna will often be unknown, the use of a conservative antenna gain value is necessary. Thus, when determining the EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2 dBi, whichever is greater. However, for devices that operate in multiple frequency bands while using the same transmit antenna, the highest gain of the antenna within the operating band nearest in frequency to the restricted band emission being measured may be used in lieu of the overall highest gain when the emission is at a frequency that is within 20 percent of the nearest band edge frequency, but in no case shall a value less than 2 dBi be used.

See KDB 662911 for guidance on calculating the additional array gain term when determining the effective antenna gain for a EUT with multiple outputs occupying the same or overlapping frequency ranges in the same band.

Radiated spurious emission test

An additional consideration when performing conducted measurements of restricted band emissions is that unwanted emissions radiating from the EUT cabinet, control circuits, power leads, or intermediate circuit elements will likely go undetected in a conducted measurement configuration. To address this concern, a radiated test shall be performed to ensure that emissions emanating from the EUT cabinet (rather than the antenna port) also comply with the applicable limits.

For these cabinet radiated spurious emission measurements the EUT transmit antenna may be replaced with a termination matching the nominal impedance of the antenna. Procedures for performing radiated measurements are specified in ANSI C63.10. All detected emissions shall comply with the applicable limits.

The measurement frequency range is from 30 MHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.

The power of the EUT transmitting frequency should be ignored.

All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

RBW = 1 MHz for f ≥ 1 GHz, 100 kHz for f < 1 GHz
VBW ≥ RBW
Sweep = auto
Detector function = peak
Trace = max hold

5.5.4 Test Result

Please refer to ANNEX A.6.

ANNEX A TEST RESULT

A.1 RF Output Power

Note 1: For FCC standard, if transmitting antennas of directional gain greater than 6 dBi are used, all band maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Note 2: The RF Output Power has considered the Duty Factor.

Duty Cycle

Test Mode	On Time (ms)	On+Off time (ms)	Duty Cycle
11a	1.38	1.43	96.09%
11n (HT20)	1.30	1.35	96.22%
11n (HT40)	0.65	0.69	93.52%
11ac (VHT20)	1.30	1.35	96.22%
11ac (VHT40)	0.65	0.69	93.52%
11ac (VHT80)	0.32	0.37	87.66%

Test Data

Conducted Power

U-NII-1 (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	Limit (mW)	Verdict
11a	CH36	14.20	26.32	250.00	Pass
11a	CH44	14.80	30.22	250.00	Pass
11a	CH48	14.74	29.81	250.00	Pass
11n (HT20)	CH36	14.69	29.43	250.00	Pass
11n (HT20)	CH44	14.64	29.09	250.00	Pass
11n (HT20)	CH48	14.64	29.09	250.00	Pass
11n (HT40)	CH38	14.71	29.59	250.00	Pass
11n (HT40)	CH46	14.70	29.52	250.00	Pass
11ac (VHT20)	CH36	14.74	29.77	250.00	Pass
11ac (VHT20)	CH44	14.57	28.63	250.00	Pass
11ac (VHT20)	CH48	14.60	28.82	250.00	Pass
11ac (VHT40)	CH38	13.52	22.50	250.00	Pass
11ac (VHT40)	CH46	14.55	28.52	250.00	Pass
11ac (VHT80)	CH42	14.64	29.12	250.00	Pass

U-NII-2A (5250 - 5350 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	Limit (mW)	Verdict
11a	CH52	14.68	29.40	250.00	Pass
11a	CH60	14.66	29.26	250.00	Pass
11a	CH64	14.60	28.86	250.00	Pass
11n (HT20)	CH52	14.67	29.29	250.00	Pass
11n (HT20)	CH60	14.42	27.65	250.00	Pass
11n (HT20)	CH64	14.48	28.04	250.00	Pass
11n (HT40)	CH54	14.62	28.98	250.00	Pass
11n (HT40)	CH62	13.39	21.83	250.00	Pass
11ac (VHT20)	CH52	14.47	27.97	250.00	Pass
11ac (VHT20)	CH60	14.34	27.15	250.00	Pass
11ac (VHT20)	CH64	14.46	27.91	250.00	Pass
11ac (VHT40)	CH54	14.37	27.36	250.00	Pass
11ac (VHT40)	CH62	14.46	27.93	250.00	Pass
11ac (VHT80)	CH58	14.47	28.00	250.00	Pass

U-NII-2C (5470 - 5725 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	Limit (mW)	Verdict
11a	CH100	14.52	28.33	250.00	Pass
11a	CH116	14.44	27.82	250.00	Pass
11a	CH140	13.99	25.08	250.00	Pass
11n (HT20)	CH100	14.36	27.27	250.00	Pass
11n (HT20)	CH116	14.25	26.59	250.00	Pass
11n (HT20)	CH140	13.87	24.36	250.00	Pass
11n (HT40)	CH102	14.19	26.25	250.00	Pass
11n (HT40)	CH118	14.09	25.65	250.00	Pass
11n (HT40)	CH134	13.99	25.07	250.00	Pass
11ac (VHT20)	CH100	14.43	27.72	250.00	Pass
11ac (VHT20)	CH116	14.31	26.96	250.00	Pass
11ac (VHT20)	CH140	13.27	21.22	250.00	Pass
11ac (VHT40)	CH102	13.43	22.03	250.00	Pass
11ac (VHT40)	CH118	14.12	25.83	250.00	Pass
11ac (VHT40)	CH134	13.98	25.01	250.00	Pass
11ac (VHT80)	CH106	13.38	21.79	250.00	Pass
11ac (VHT80)	CH122	14.20	26.31	250.00	Pass

U-NII-3 (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	Limit (mW)	Verdict
11a	CH149	14.36	27.31	1000	Pass
11a	CH157	14.34	27.18	1000	Pass
11a	CH165	14.18	26.20	1000	Pass
11n (HT20)	CH149	14.25	26.59	1000	Pass
11n (HT20)	CH157	14.22	26.41	1000	Pass
11n (HT20)	CH165	14.10	25.69	1000	Pass
11n (HT40)	CH151	14.15	26.01	1000	Pass
11n (HT40)	CH159	14.11	25.77	1000	Pass
11ac (VHT20)	CH149	14.14	25.93	1000	Pass
11ac (VHT20)	CH157	14.22	26.41	1000	Pass
11ac (VHT20)	CH165	14.14	25.93	1000	Pass
11ac (VHT40)	CH151	14.13	25.89	1000	Pass
11ac (VHT40)	CH159	14.13	25.89	1000	Pass
11ac (VHT80)	CH155	14.15	26.01	1000	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note 1: Test plots please refer to the document “Annex No.: Ti-CC26080090-604 Data Part 1.pdf”.
Note 2: All antenna were tested, but only the worst case has been reported in this report.
Test Data

U-NII-1 (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	23.060	16.601
11a	CH44	20.150	16.490
11a	CH48	20.100	16.522
11n (HT20)	CH36	21.530	17.647
11n (HT20)	CH44	20.390	17.616
11n (HT20)	CH48	20.420	17.636
11n (HT40)	CH38	40.470	36.090
11n (HT40)	CH46	40.710	36.150
11ac (VHT20)	CH36	20.310	17.579
11ac (VHT20)	CH44	20.450	17.605
11ac (VHT20)	CH48	20.340	17.582
11ac (VHT40)	CH38	43.520	36.022
11ac (VHT40)	CH46	40.550	36.049
11ac (VHT80)	CH42	80.920	75.287

U-NII-2A (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	20.070	16.511
11a	CH60	20.080	16.519
11a	CH64	20.010	16.481
11n (HT20)	CH52	20.420	17.618
11n (HT20)	CH60	20.330	17.606
11n (HT20)	CH64	20.320	17.613
11n (HT40)	CH54	40.400	36.114
11n (HT40)	CH62	40.600	36.121
11ac (VHT20)	CH52	20.270	17.591
11ac (VHT20)	CH60	20.280	17.578
11ac (VHT20)	CH64	20.290	17.587
11ac (VHT40)	CH54	40.390	36.048
11ac (VHT40)	CH62	40.410	36.016
11ac (VHT80)	CH58	80.890	75.308

U-NII-2C (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	19.930	16.510
11a	CH116	19.890	16.502
11a	CH140	19.990	16.510
11n (HT20)	CH100	20.270	17.624
11n (HT20)	CH116	20.590	17.617
11n (HT20)	CH140	20.240	17.619
11n (HT40)	CH102	40.830	36.113
11n (HT40)	CH118	40.560	36.084
11n (HT40)	CH134	40.500	36.093
11ac (VHT20)	CH100	20.300	17.580
11ac (VHT20)	CH116	20.510	17.598
11ac (VHT20)	CH140	20.300	17.563
11ac (VHT40)	CH102	40.280	35.993
11ac (VHT40)	CH118	40.650	36.039
11ac (VHT40)	CH134	40.430	36.036
11ac (VHT80)	CH106	86.290	75.351
11ac (VHT80)	CH122	80.920	75.284

U-NII-3 (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	20.020	16.484
11a	CH157	19.960	16.506
11a	CH165	20.080	16.505
11n (HT20)	CH149	20.470	17.639
11n (HT20)	CH157	20.350	17.632
11n (HT20)	CH165	20.280	17.632
11n (HT40)	CH151	40.640	36.110
11n (HT40)	CH159	40.900	36.130
11ac (VHT20)	CH149	20.380	17.599
11ac (VHT20)	CH157	20.450	17.595
11ac (VHT20)	CH165	20.400	17.585
11ac (VHT40)	CH151	40.560	36.025
11ac (VHT40)	CH159	40.480	36.036
11ac (VHT80)	CH155	81.180	75.307

A.3 6 dB Bandwidth

Note 1: Test plots please refer to the document “Annex No.: Ti-CC26080090-604 Data Part 2.pdf”.
Note 2: All antenna were tested, but only the worst case has been reported in this report.

Test Data

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	15.200	500.00	Pass
11a	CH157	15.300	500.00	Pass
11a	CH165	15.300	500.00	Pass
11n (HT20)	CH149	15.300	500.00	Pass
11n (HT20)	CH157	15.300	500.00	Pass
11n (HT20)	CH165	15.300	500.00	Pass
11n (HT40)	CH151	35.300	500.00	Pass
11n (HT40)	CH159	35.300	500.00	Pass
11ac (VHT20)	CH149	15.200	500.00	Pass
11ac (VHT20)	CH157	15.300	500.00	Pass
11ac (VHT20)	CH165	15.300	500.00	Pass
11ac (VHT40)	CH151	35.300	500.00	Pass
11ac (VHT40)	CH159	35.300	500.00	Pass
11ac (VHT80)	CH155	75.300	500.00	Pass

A.4 Power Spectral Density

Note 1: Test plots please refer to the document “Annex No.: Ti-CC26080090-604 Data Part 3.pdf”.
Note 2: The PSD has considered the Duty Factor.
Test Data

U-NII-1 (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH36	3.60	11.00	Pass
11a	CH44	4.64	11.00	Pass
11a	CH48	4.78	11.00	Pass
11n (HT20)	CH36	4.39	11.00	Pass
11n (HT20)	CH44	4.43	11.00	Pass
11n (HT20)	CH48	4.52	11.00	Pass
11n (HT40)	CH38	1.52	11.00	Pass
11n (HT40)	CH46	1.56	11.00	Pass
11ac (VHT20)	CH36	4.26	11.00	Pass
11ac (VHT20)	CH44	4.50	11.00	Pass
11ac (VHT20)	CH48	3.91	11.00	Pass
11ac (VHT40)	CH38	-0.09	11.00	Pass
11ac (VHT40)	CH46	1.48	11.00	Pass
11ac (VHT80)	CH42	-1.69	11.00	Pass

U-NII-2A (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH52	4.60	11.00	Pass
11a	CH60	4.53	11.00	Pass
11a	CH64	4.53	11.00	Pass
11n (HT20)	CH52	4.32	11.00	Pass
11n (HT20)	CH60	4.21	11.00	Pass
11n (HT20)	CH64	4.30	11.00	Pass
11n (HT40)	CH54	1.42	11.00	Pass
11n (HT40)	CH62	-0.02	11.00	Pass
11ac (VHT20)	CH52	4.37	11.00	Pass
11ac (VHT20)	CH60	4.25	11.00	Pass
11ac (VHT20)	CH64	4.24	11.00	Pass
11ac (VHT40)	CH54	1.42	11.00	Pass
11ac (VHT40)	CH62	1.22	11.00	Pass
11ac (VHT80)	CH58	-1.71	11.00	Pass

U-NII-2C (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH100	4.55	11.00	Pass
11a	CH116	4.56	11.00	Pass
11a	CH140	4.24	11.00	Pass
11n (HT20)	CH100	4.20	11.00	Pass
11n (HT20)	CH116	4.20	11.00	Pass
11n (HT20)	CH140	3.97	11.00	Pass
11n (HT40)	CH102	1.16	11.00	Pass
11n (HT40)	CH118	1.16	11.00	Pass
11n (HT40)	CH134	1.01	11.00	Pass
11ac (VHT20)	CH100	4.03	11.00	Pass
11ac (VHT20)	CH116	4.18	11.00	Pass
11ac (VHT20)	CH140	2.72	11.00	Pass
11ac (VHT40)	CH102	0.15	11.00	Pass
11ac (VHT40)	CH118	1.27	11.00	Pass
11ac (VHT40)	CH134	1.13	11.00	Pass
11ac (VHT80)	CH106	-3.11	11.00	Pass
11ac (VHT80)	CH122	-1.73	11.00	Pass

U-NII-3 (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	4.73	30.00	Pass
11a	CH157	4.70	30.00	Pass
11a	CH165	4.53	30.00	Pass
11n (HT20)	CH149	4.43	30.00	Pass
11n (HT20)	CH157	4.39	30.00	Pass
11n (HT20)	CH165	4.26	30.00	Pass
11n (HT40)	CH151	1.42	30.00	Pass
11n (HT40)	CH159	1.37	30.00	Pass
11ac (VHT20)	CH149	4.32	30.00	Pass
11ac (VHT20)	CH157	4.33	30.00	Pass
11ac (VHT20)	CH165	4.19	30.00	Pass
11ac (VHT40)	CH151	1.23	30.00	Pass
11ac (VHT40)	CH159	1.32	30.00	Pass
11ac (VHT80)	CH155	-1.70	30.00	Pass

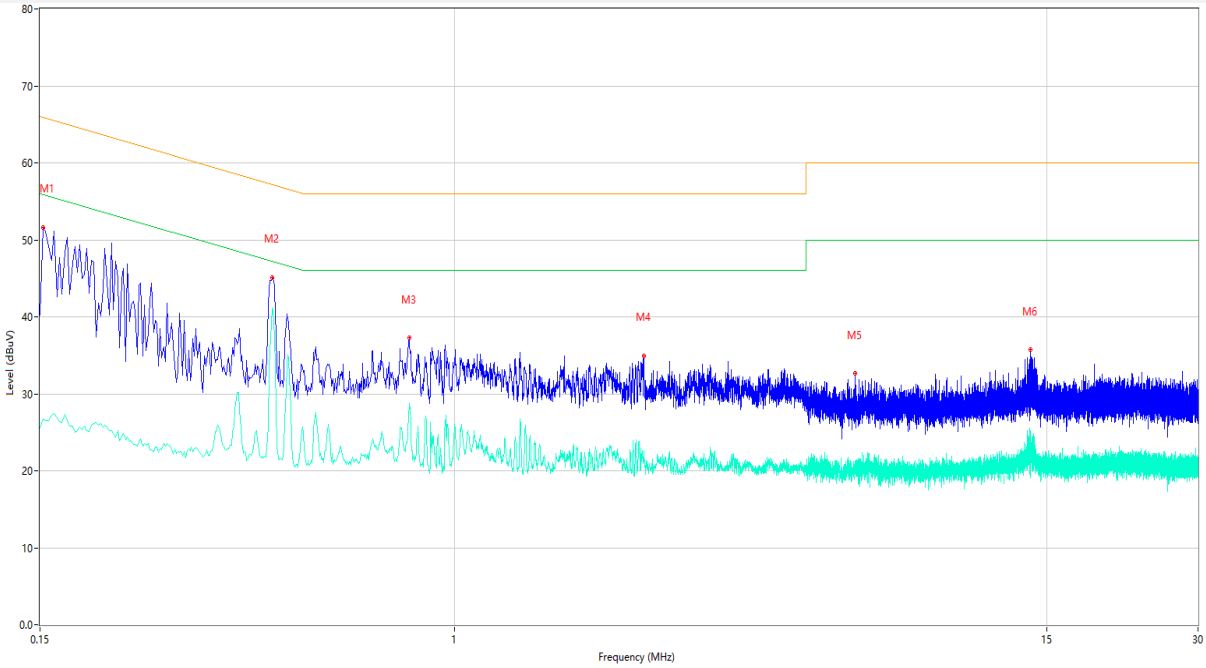
A.5 Conducted Emission

Note 1: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

Note 2: 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.

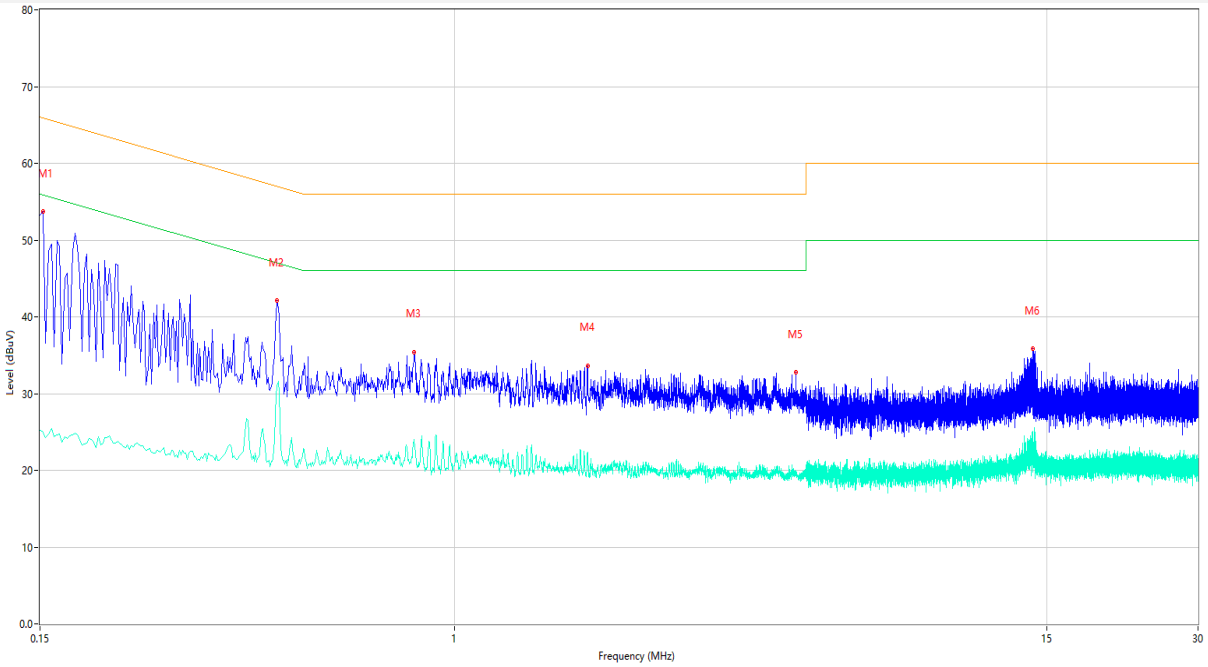
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.152	51.56	10.21	65.89	14.33	Peak	L	Pass
1**	0.152	26.71	10.21	55.89	29.18	AV	L	Pass
2	0.434	45.12	10.23	57.18	12.06	Peak	L	Pass
2**	0.434	41.15	10.23	47.18	6.03	AV	L	Pass
3	0.812	37.30	10.27	56.00	18.70	Peak	L	Pass
3**	0.812	28.63	10.27	46.00	17.37	AV	L	Pass
4	2.378	34.96	10.31	56.00	21.04	Peak	L	Pass
4**	2.378	22.61	10.31	46.00	23.39	AV	L	Pass
5	6.252	32.61	10.37	60.00	27.39	Peak	L	Pass
5**	6.252	20.65	10.37	50.00	29.35	AV	L	Pass
6	13.956	35.76	10.73	60.00	24.24	Peak	L	Pass
6**	13.956	23.41	10.73	50.00	26.59	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.152	53.68	10.22	65.89	12.21	Peak	N	Pass
1**	0.152	24.91	10.22	55.89	30.98	AV	N	Pass
2	0.444	42.13	10.14	56.99	14.86	Peak	N	Pass
2**	0.444	30.96	10.14	46.99	16.03	AV	N	Pass
3	0.832	35.42	10.14	56.00	20.58	Peak	N	Pass
3**	0.832	23.94	10.14	46.00	22.06	AV	N	Pass
4	1.838	33.65	10.16	56.00	22.35	Peak	N	Pass
4**	1.838	22.41	10.16	46.00	23.59	AV	N	Pass
5	4.760	32.81	10.19	56.00	23.19	Peak	N	Pass
5**	4.760	19.68	10.19	46.00	26.32	AV	N	Pass
6	14.090	35.80	10.58	60.00	24.20	Peak	N	Pass
6**	14.090	25.08	10.58	50.00	24.92	AV	N	Pass

A.6 Radiated Spurious Emissions and Band Edge (Restricted-band)

A.6.1 Radiated Spurious Emissions

Note 1: Please refer to the document “Ti-CC26080090-604 Data Part 4.pdf”.
Note 2: The symbol of “--” in the table which means not application.
Note 3: For the test data above 1 GHz, According the ANSI C63.10, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.
Note 4: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.
Note 5: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode is worst.
Note 6: The spurious above 18G is noise only, do not show on the report.

A.6.2 Band Edge (Restricted-band)

Note 1: Please refer to the document “Ti-CC26080090-604 Data Part 5.pdf”.
Note 2: For the test data above 1 GHz, According the ANSI C63.10, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

ANNEX B TEST SETUP PHOTOS

Please refer the document “Ti-CC26080090-AR-1.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “Ti-CC26080090-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “Ti-CC26080090-AI.PDF”.

Statement

1. The Testing Center guarantees the scientificity, accuracy and impartiality of the test, and is responsible for all the information in the report, except the information provided by the customer. The customer is responsible for the impact of the information provided on the validity of the results.

2. For the report with Accreditation Symbol, the items marked with "☆" are not within the accredited scope.

3. This report is invalid if it is altered, without the signature of the testing and approval personnel, or without the test report stamp.

4. The test data and results are only valid for the tested samples provided by the customer.

5. This report shall not be partially reproduced without the written permission of the Testing Center.

6. Any objection shall be raised to the Testing Center within 30 days after receiving the report.

--END OF REPORT--