

FCC
RF
TEST REPORT

ISSUED BY
Shenzhen BALUN Technology Co., Ltd.



FOR
mPOS-39

ISSUED TO
Megabyte Limited

Unit 507, 5/F, Building 12W, No. 12 Science Park West Avenue, Hong Kong Science Park, Shatin, New Territories, Hong Kong



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Date Jan. 10, 2017

Approved by: Liao Jianming

Liao Jianming
(Technical Director)

Date Jan. 10, 2017

Report No.: BL-SZ16B0261-604

EUT Name: mPOS-39

Model Name: 39-T1

Brand Name: Myndar

Test Standard: 47 CFR Part 15 Subpart E

FCC ID: XEK-39-T1

Test conclusion:

Test Date:

Date of Issue:

Pass

Dec. 28, 2016 ~ Jan. 05, 2017

Jan. 10, 2017

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Revision History

Version Rev. 01	Issue Date Jan. 10, 2017	Revisions Content Initial Issue

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1 ADMINISTRATIVE DATA (GENERAL INFORMATION)

1.1 Identification of the Testing Laboratory

Company Name	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1st FL, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Phone Number	+86 755 6685 0100
Fax Number	+86 755 6182 4271

1.2 Identification of the Responsible Testing Location

Test Location	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1st FL, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	The laboratory has been listed by Industry Canada to perform electromagnetic emission measurements. The recognition numbers of test site are 11524A-1. The laboratory has been listed by US Federal Communications Commission to perform electromagnetic emission measurements. The recognition numbers of test site are 832625. The laboratory is a testing organization accredited by China National Accreditation Service for Conformity Assessment (CNAS) according to ISO/IEC 17025. The accreditation certificate number is L6791.
Description	All measurement facilities used to collect the measurement data are located at Block B, FL 1, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China 518055

1.3 Laboratory Condition

Ambient Temperature	20 to 25°C
Ambient Relative Humidity	45% - 55%
Ambient Pressure	100 kPa - 102 kPa

1.4 Announce

- (1) The test report reference to the report template version v3.7.
- (2) The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.
- (3) The test report is invalid if there is any evidence and/or falsification.
- (4) The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein.
- (5) This document may not be altered or revised in any way unless done so by BALUN and all revisions are duly noted in the revisions section.
- (6) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.

2 PRODUCT INFORMATION

2.1 Applicant

Applicant	Megabyte Limited
Address	Unit 507, 5/F, Building 12W, No. 12 Science Park West Avenue, Hong Kong Science Park, Shatin, New Territories, Hong Kong

2.2 Manufacturer

Manufacturer	Megabyte Limited
Address	Unit 507, 5/F, Building 12W, No. 12 Science Park West Avenue, Hong Kong Science Park, Shatin, New Territories, Hong Kong

2.3 Factory

Factory	Megabyte Limited
Address	Unit 507, 5/F, Building 12W, No. 12 Science Park West Avenue, Hong Kong Science Park, Shatin, New Territories, Hong Kong

2.4 General Description for Equipment under Test (EUT)

EUT Name	mPOS-39
Model Name Under Test	39-T1
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	N/A
Software Version	N/A
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A
Network and Wireless connectivity	Bluetooth 3.0, Bluetooth 4.0 Low Energy (BLE), WIFI 802.11b, 802.11g and 802.11n (HT20/40), 802.11ac RFID

2.5 Ancillary Equipment

Ancillary Equipment 1	Battery 1
	Brand Name
	N/A
	Model No.
	AVA 1206
	Serial No.
	N/A
Ancillary Equipment 2	Capacitance
	6600 mAh
	Rated Voltage
	11.1 V
	Limit Charge Voltage
	12.6 V
	Battery 2
Ancillary Equipment 2	Brand Name
	N/A
	Model No.
	ABA 1202
	Serial No.
Ancillary Equipment 2	Capacitance
	2500 mAh
Ancillary Equipment 2	Rated Voltage
	11.1 V

	Limit Charge Voltage	12.6 V
Ancillary Equipment 3	Charger	
	Brand Name	N/A
	Model Name	FSP065-REB
	Rated Input	100-240 V ~, 50/60 Hz, 1.5 A
	Rated Output	19 V =, 3.42 A
Ancillary Equipment 4	Power Line	
	Length(Approx.)	1.2 m

2.6 Technical Information

Frequency Range		Band I: 5150 MHz to 5250 MHz, Band II: 5250 MHz to 5350 MHz, Band III: 5470 MHz to 5725 MHz Band IV: 5725 MHz to 5850 MHz
Modulation technology		OFDM
Modulation Type		256QAM, 64QAM, 16QAM, BPSK, QPSK
Product Type		Mobile and portable for FCC standard
Transfer Rate (Mbps)		802.11a: 54/ 48/ 36 / 24 / 18 / 9/ 6 Mbps 802.11n: up to 300 Mbps 802.11ac: up to V9
Channel Bandwidth		802.11a: 20 MHz 802.11n: 20 MHz, 40 MHz 802.11ac: 80 MHz
Maximum Output Power	Antenna 0 (ANT 0)	Band I: 9.98 dBm Band II: 13.12 dBm Band III: 11.02 dBm Band IV: 9.35 dBm
	Antenna 1 (ANT 1)	Band I: 12.11 dBm Band II: 25.06 dBm Band III: 21.53 dBm Band IV: 12.71 dBm
Antenna System (eg., MIMO, Smart Antenna)		N/A
Categorization as Correlated or Completely Uncorrelated		N/A
Antenna Type	Antenna 0 (ANT 0)	PCB Antenna
	Antenna 1 (ANT 1)	
Antenna Gain	Antenna 0 (ANT 0)	Band I: 5150 MHz to 5250 MHz: 6 dBi Band II: 5250 MHz to 5350 MHz: 6 dBi Band III: 5470 MHz to 5725 MHz: 6 dBi Band IV: 5725 MHz to 5850 MHz: 6 dBi
	Antenna 1 (ANT 1)	Band I: 5150 MHz to 5250 MHz: 6 dBi Band II: 5250 MHz to 5350 MHz: 6 dBi Band III: 5470 MHz to 5725 MHz: 6 dBi Band IV: 5725 MHz to 5850 MHz: 6 dBi
About the Product		The equipment is mPOS-39, intended for used with

information technology equipment.

Mode	Antenna		
	Antenna 0	Antenna 1	Antenna 0 + Antenna 1
Band I	√	√	--
Band II	√	√	--
Band III	√	√	--
Band IV	√	√	--

Note: There are two antenna of the EUT, but they can't work at the same time, so they are shown separately in the report.

2.7 Additional Instructions

EUT Software Settings:

Mode	<input checked="" type="checkbox"/> Special software is used. The software provided by client to enable the EUT under transmission condition continuously at specific channel frequencies individually.
------	--

During testing. Channel and 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.

Band I (5150 - 5250 MHz) Power level setup in software			
Test Software Version	Realtek		
Mode	Channel	Frequency (MHz)	Soft Set
11a	CH36	5180	52
11a	CH44	5220	50
11a	CH48	5240	50
11n (HT20)	CH36	5180	52
11n (HT20)	CH44	5220	50
11n (HT20)	CH48	5240	50
11n (HT40)	CH38	5190	50
11n (HT40)	CH46	5230	52
11ac (HT80)	CH42	5210	40

Band II (5250 - 5350 MHz) Power level setup in software

Test Software Version	Realtek		
Mode	Channel	Frequency (MHz)	Soft Set
11a	CH36	5180	49
11a	CH44	5220	47
11a	CH48	5240	47
11n (HT20)	CH36	5180	49
11n (HT20)	CH44	5220	47
11n (HT20)	CH48	5240	47
11n (HT40)	CH38	5190	51
11n (HT40)	CH46	5230	43
11ac (HT80)	CH42	5210	35

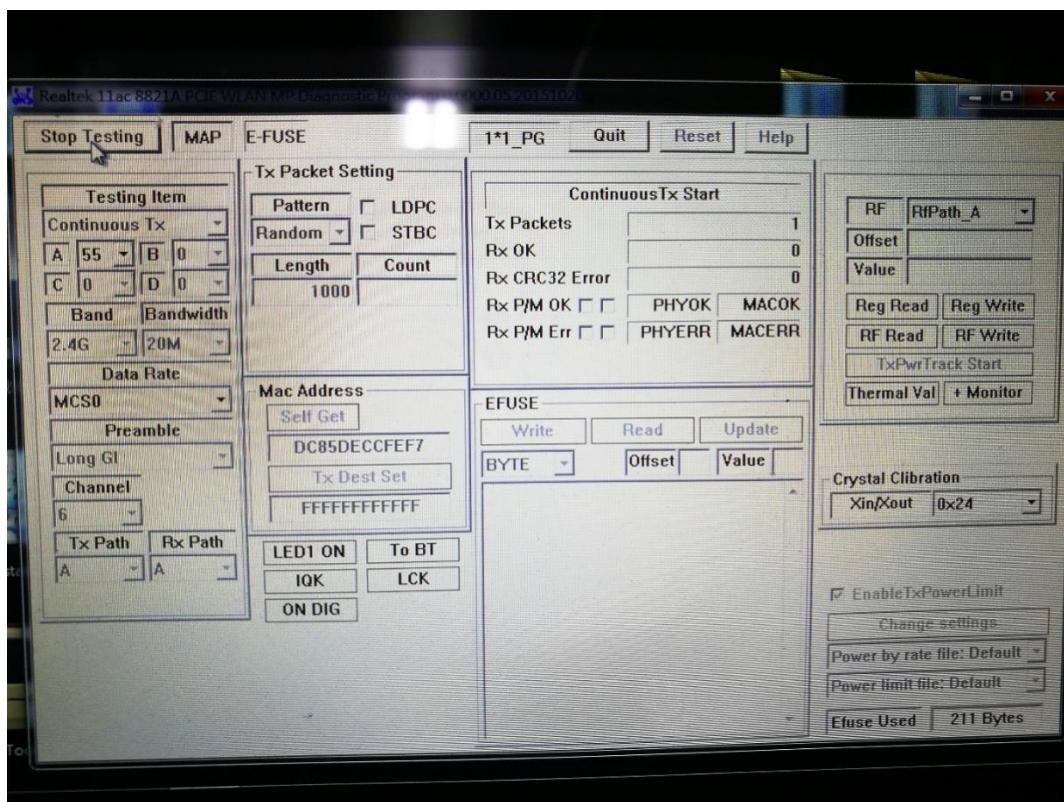
Band III (5470 - 5725 MHz) Power level setup in software

Test Software Version	Realtek		
Mode	Channel	Frequency (MHz)	Soft Set
11a	CH36	5180	47
11a	CH44	5220	44
11a	CH48	5240	38
11n (HT20)	CH36	5180	47
11n (HT20)	CH44	5220	44
11n (HT20)	CH48	5240	38
11n (HT40)	CH38	5190	43
11n (HT40)	CH46	5230	43
11ac (HT80)	CH42	5210	34

Band IV (5725 - 5850 MHz) Power level setup in software

Test Software Version	Realtek		
Mode	Channel	Frequency (MHz)	Soft Set
11a	CH36	5180	48
11a	CH44	5220	46
11a	CH48	5240	44
11n (HT20)	CH36	5180	48
11n (HT20)	CH44	5220	46
11n (HT20)	CH48	5240	44
11n (HT40)	CH38	5190	50
11n (HT40)	CH46	5230	48
11ac (HT80)	CH42	5210	42

Run Software:



2.8 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	155	5775
52	5260	102	5510		
56	5280	110	5550		
60	5300	134	5670		
64	5320	151	5755		
100	5500	159	5790		
104	5520				
108	5540				
112	5560				
116	5580				
132	5660				
136	5680				
140	5700				
149	5745				
153	5765				
157	5785				
161	5805				
165	5825				

Note: Until further notice, devices subject to this section shall not be capable of transmitting in the band 5600-5650 MHz. This restriction is for the protection of weather radars operating in this band.

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)

Band I (5150 - 5250 MHz)			Band II (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

Band III (5470 - 5725 MHz)			Band IV (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)

Band I (5150 - 5250 MHz)			Band II (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

Band III (5150 - 5250 MHz)			Band IV (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
102	Low	5510	151	Low	5755
134	High	5670	159	High	5795

For 802.11ac (HT80)

Band I (5150 - 5250 MHz)			Band II (5250 - 5350 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
42	Low	5210	58	Low	5290

Band III (5150 - 5250 MHz)			Band IV (5470 - 5725 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
106	Low	5530	155	Low	5775

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	Band I	Band II	Band III	Band IV
				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	134/102	159/151
	11ac(80 MHz)	MCS0		42	58	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	134/102	159/151
	11ac(80 MHz)	VHT-MCS0		42	58	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(80 MHz)	MCS0		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	134/102	159/151
	11ac(80 MHz)	MCS0		42	58	106	155
Conducted Spurious Emission and Band Edge (Authorized-band)	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	134/102	159/151
	11ac(80 MHz)	MCS0		42	58	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	134/102	159/151
	11ac(80 MHz)	MCS0		42	58	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(80 MHz)	MCS0		42	58	106	155
Frequency Stability	Unmodulated	N/A	N/A	N/A	64	N/A	N/A

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15 Subpart E (10-1-15 Edition)	Unlicensed National Information Infrastructure Devices
2	KDB Publication 789033 D02v01r03	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
3	ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices

3.2 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	Conducted Spurious Emission and Band Edge (Authorized-band)	15.407(b) 15.209	ANNEX A.6	Pass
8	Radiated Spurious Emissions and Band Edge (Restricted-band)	15.407(b)	ANNEX A.7	Pass
9	Frequency Stability	15.407(g)	ANNEX A.8	Pass

Note 1: The EUT has a permanently and irreplaceable attached antenna, which complies with the requirement FCC 15.203.

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

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

Relative Humidity	45% - 55%		
Atmospheric Pressure	100 kPa - 102 kPa		
Temperature	NT (Normal Temperature)		+22°C to +25°C
	LT (Low Temperature)		0°C
	HT (High Temperature)		+40°C
Working Voltage of the EUT	NV (Normal Voltage)		19 V
	LV (Low Voltage)		17 V
	HV (High Voltage)		21 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-30	103118	2016.07.13	2017.07.12
Vector Signal Generator	ROHDE&SCHWARZ	SMBV100A	177746	2016.07.13	2017.07.12
Signal Generator	ROHDE&SCHWARZ	SMB100A	260592	2016.07.13	2017.07.12
Switch Unit with OSP-B157	ROHDE&SCHWARZ	OSP120	101270	2016.07.13	2017.07.12
Spectrum Analyzer	AGILENT	E4440A	MY45304434	2016.10.15	2017.10.14
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2016.07.05	2017.07.04
LISN	SCHWARZBECK	NSLK 8127	8127-687	2016.07.05	2017.07.04
Bluetooth Tester	ROHDE&SCHWARZ	CBT	101005	2016.07.13	2017.07.12
Power Splitter	KMW	DCPD-LDC	1305003215	--	--
Power Sensor	ROHDE&SCHWARZ	NRP-Z21	103971	2016.07.13	2017.07.12
Attenuator (20 dB)	KMW	ZA-S1-201	110617091	--	--
Attenuator (6 dB)	KMW	ZA-S1-61	1305003189	--	--
DC Power Supply	ROHDE&SCHWARZ	HMP2020	018141664	2016.07.13	2017.07.12
Temperature Chamber	ANGELANTIONI SCIENCE	NTH64-40A	1310	2016.07.13	2017.07.12
Test Antenna-Rod(9 kHz-30 MHz)	SCHWARZBECK	VAMP 9243	9243-556	2015.07.22	2017.07.21
Test Antenna-Bi-Log(30 MHz-3 GHz)	SCHWARZBECK	VULB 9163	9163-624	2015.07.22	2017.07.21
Test Antenna-Horn(1-18 GHz)	SCHWARZBECK	BBHA 9120D	9120D-1148	2015.07.22	2017.07.21
Test Antenna-Horn(15-26.5 GHz)	SCHWARZBECK	BBHA 9170	9170-305	2015.07.22	2017.07.21
Test Antenna-Rod	SCHWARZBECK	VAMP 9243	9243-556	2015.07.22	2017.07.21
Anechoic Chamber	RAINFORD	9m*6m*6m	N/A	2015.02.28	2017.02.27
Anechoic Chamber	EMC	21.1m*11.6	N/A	2016.08.09	2018.08.08

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
	TECHNOLOGY LTD	m*7.35m			
Shielded Enclosure	ChangNing	CN-130701	130703	--	--

4.3 MEASUREMENT UNCERTAINTY

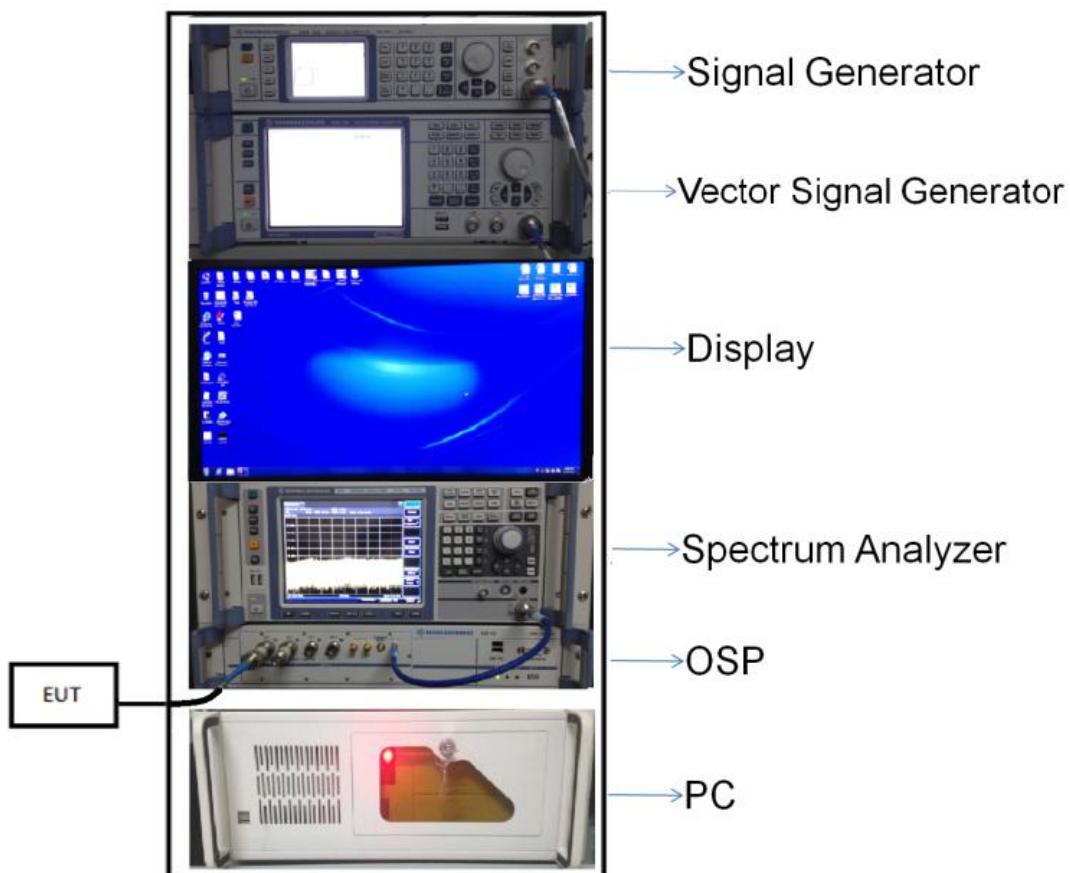
The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2.

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Measurement	Value
Occupied Channel Bandwidth	±4%
RF output power, conducted	±1.4 dB
Power Spectral Density, conducted	±2.5 dB
Unwanted Emissions, conducted	±2.8 dB
All emissions, radiated	±5.4 dB
Temperature	±1°C
Humidity	±4%

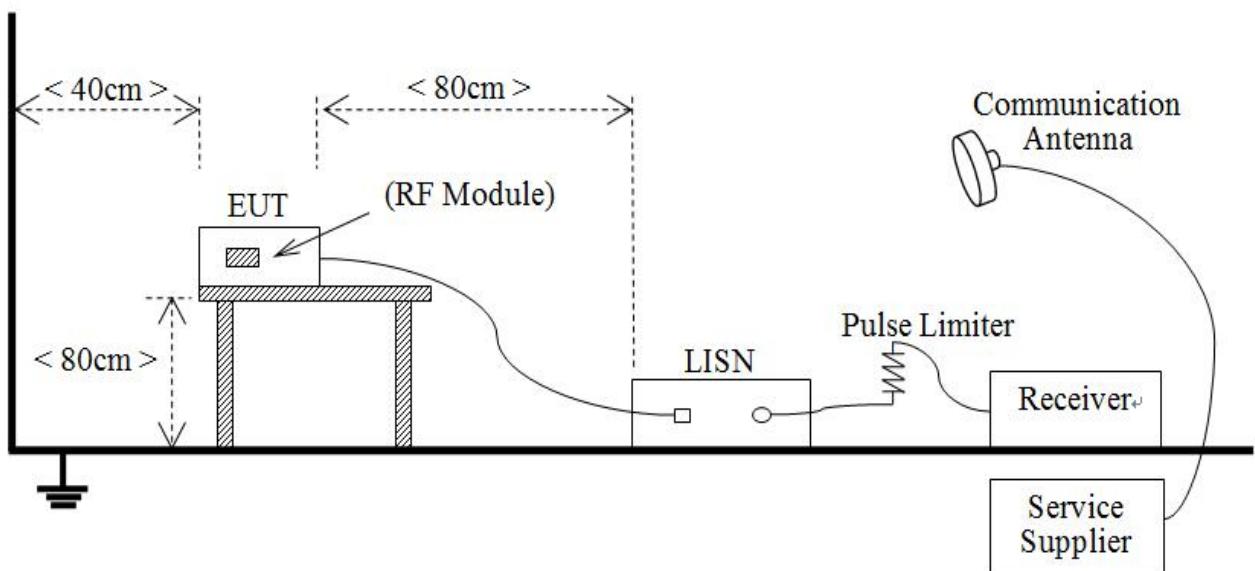
4.4 Description of Test Setup

4.4.1 For Antenna Port Test



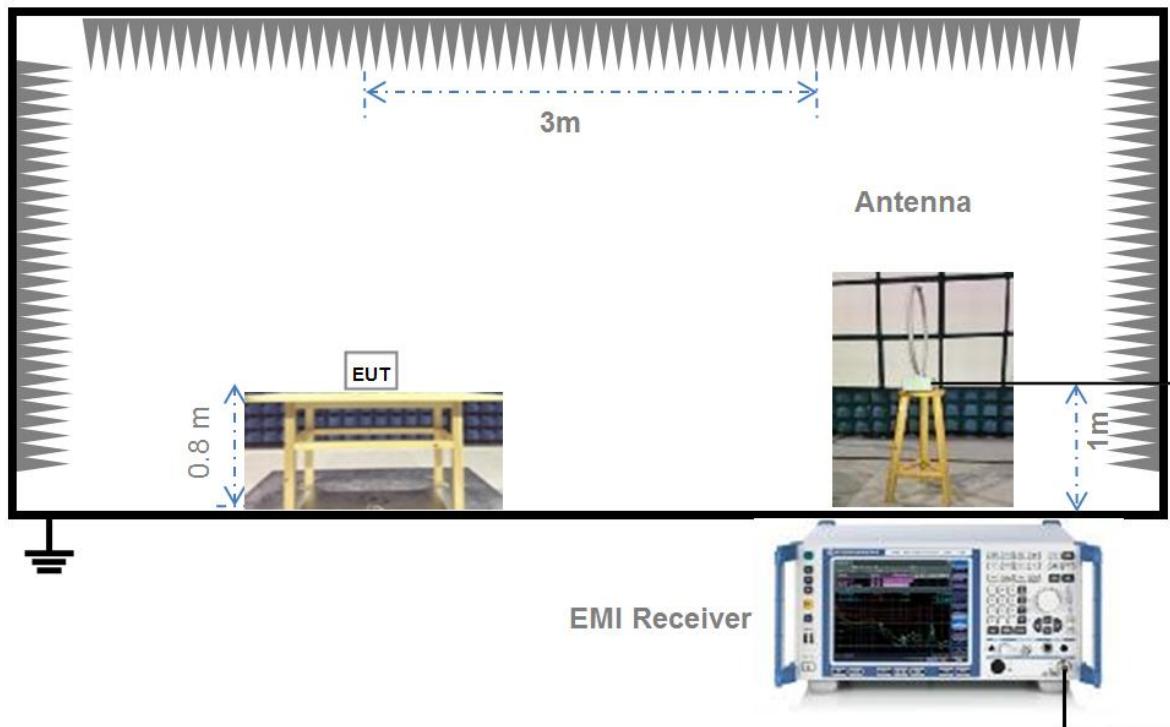
(Diagram 1)

4.4.2 For AC Power Supply Port Test



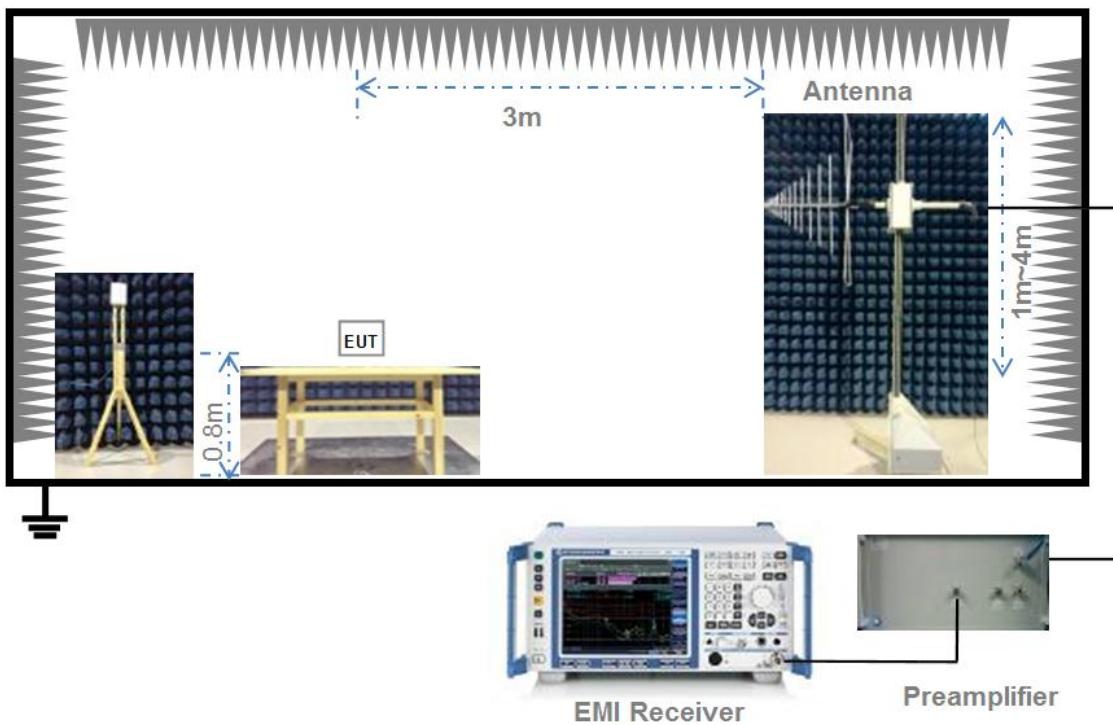
(Diagram 2)

4.4.3 For Radiated Test (Below 30 MHz)



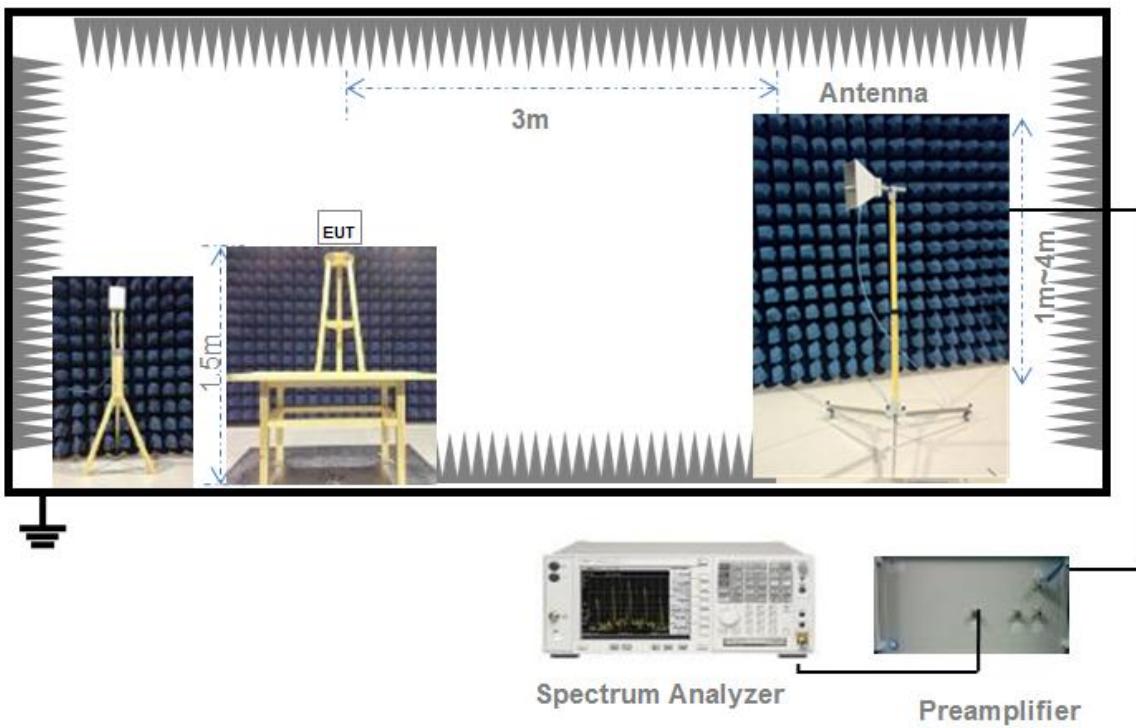
(Diagram 3)

4.4.4 For Radiated Test (30 MHz-1 GHz)



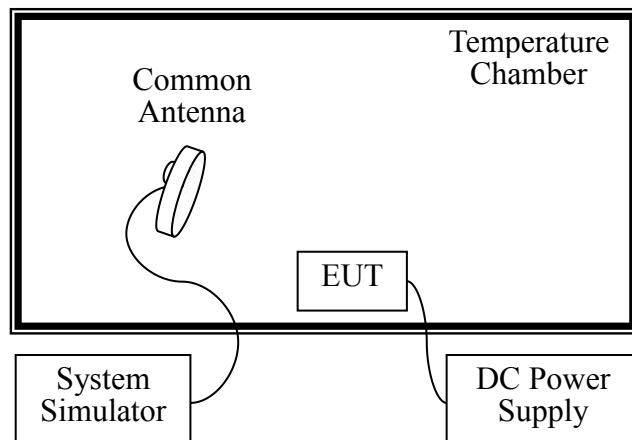
(Diagram 4)

4.4.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

4.4.6 For Frequency Stability Test



(Diagram 6)

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.

RSS-247, 6.2

The maximum conducted output power shall not exceed:

Frequency Band (MHz)	Limit
5150-5250	N/A
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 99% emissions bandwidth in MHz.

The maximum e.i.r.p. shall not exceed:

Frequency Band (MHz)	Limit
5150-5250	200 mW or 10 dBm + 10log B, whichever is less.
5250-5350	1W or 17 dBm + 10log B, whichever is less.
5470-5725	1W or 17 dBm + 10log B, whichever is less.
5725-5850	N/A

Note: Where "B" is the 99% 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

The maximum peak conducted output power may be measured using a broadband Average RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the emission bandwidth and utilize a fast-responding diode detector.

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), RSS-247, 6.2

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 $\geq 3 \times$ 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 $\geq 3 \times$ RBW, Detector = Peak.
4. Trace mode = Max hold.
5. Use the 99% power bandwidth function of the instrument.

6 dB bandwidth

1. Set RBW = 100 kHz, VBW = 300 kHz.
2. Detector = Peak. Trace mode = Max hold.
3. Allow the trace to stabilize.
4. 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

RSS-247, 6.2

The maximum power spectral density should not exceed:

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

The e.i.r.p. spectral density should not exceed:

Frequency Band (MHz)	Limit
5150-5250	10 dBm/MHz
5250-5350	N/A
5470-5725	N/A
5725-5850	N/A

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 \geq 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, RSS-GEN, 8.8

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 band 150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50 μ H/50 Ω line impedance stabilization network (LISN).

Frequency range (MHz)	Conducted Limit (dB μ V)	
	Quasi-peak	Average
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5	56	46
0.50 - 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 Conducted Spurious Emission and Band Edge (Authorized-band)

5.5.1 Limit

FCC §15.407(b)

Un-restricted band emissions	
Frequency Band (MHz)	Limit
5150 - 5250	Outside of the 5.15-5.35 GHz band: e.i.r.p. -27 dBm
5250 - 5350	Outside of the 5.15-5.35 GHz band: e.i.r.p. -27 dBm
5470 - 5725	Outside of the 5.47-5.725 GHz band: e.i.r.p. -27 dBm
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.

The graph plots EIRP (dBm/MHz) on the y-axis (ranging from -40 to 70) against Frequency (MHz) on the x-axis (ranging from 5600 to 5950). A blue line represents the emission level. It remains flat at -27 dBm/MHz until approximately 5650 MHz, then rises to about -10 dBm/MHz at 5700 MHz. It continues to rise linearly to a peak of 27 dBm/MHz at 5725 MHz, which is labeled as the 'U-NII-3 band (5725-5850 MHz)'. After the peak, it drops linearly to approximately 15.6 dBm/MHz at 5850 MHz, and then continues to decrease linearly back towards -27 dBm/MHz as it approaches 5950 MHz.

RSS-247, 6.2

Un-restricted band emissions	
Frequency Band (MHz)	Limit
5150 - 5250	Outside of the 5.15-5.35 GHz band: e.i.r.p. -27 dBm, However, any unwanted emissions that fall into the band 5250-5350 MHz must be 26 dBc, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth, above 5.25 GHz.
5250 - 5350	Outside of the 5.15-5.35 GHz band: e.i.r.p. -27 dBm. And any emissions within the band 5150-5250 MHz shall meet the power spectral density limits of 10 dBm/MHz, The device shall be labelled "for indoor use only."
5470 - 5725	Outside of the 5.47-5.725 GHz band: e.i.r.p. -27 dBm
5725 - 5850	5715 -5725 MHz: e.i.r.p. -17 dBm 5850 -5860 MHz: e.i.r.p. -17 dBm Other un-restricted band: e.i.r.p. -27 dBm

5.5.2 Test Setup

See section 4.4.2 (Diagram 2) for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.5.3 Test Procedure

Use the following spectrum analyzer settings:

Span = wide enough to capture the peak level of the in-band emission and all spurious emissions (e.g., harmonics) from the lowest frequency generated in the EUT up through the 10th harmonic. Typically, several plots are required to cover this entire span.

RBW = 1 MHz for $f \geq 1$ GHz, 100 kHz for $f < 1$ GHz

VBW \geq RBW

Sweep = auto

Detector function = peak

Trace = max hold

Allow the trace to stabilize

5.5.4 Test Result

Please refer to ANNEX A.6.

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

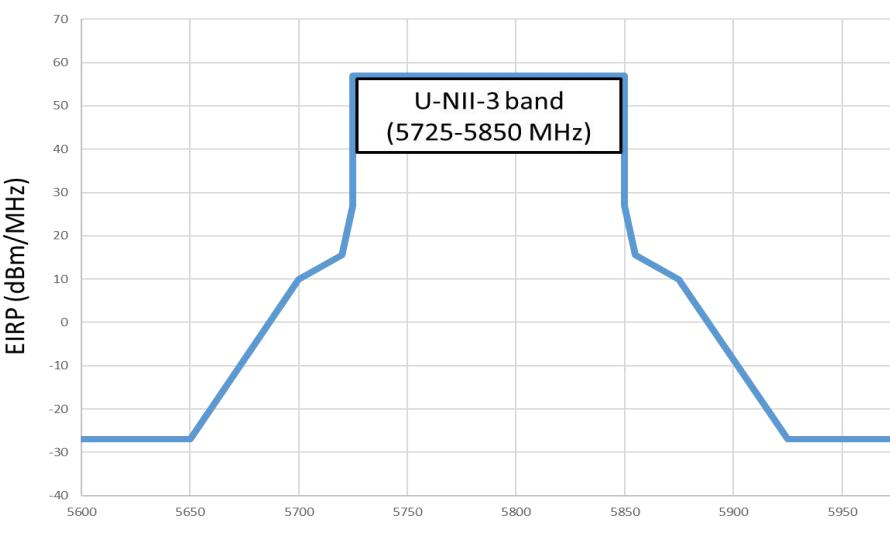
5.6.1 Limit

FCC §15.209 & 15.407(b), RSS-247, 6.2

Frequency (MHz)	Field Strength (μ V/m)	Measurement Distance (m)
0.009 - 0.490	$2400/F(\text{kHz})$	300
0.490 - 1.705	$24000/F(\text{kHz})$	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.  <table border="1"><caption>Data points estimated from the graph</caption><thead><tr><th>Frequency (MHz)</th><th>EIRP (dBm/MHz)</th></tr></thead><tbody><tr><td>5600 - 5650</td><td>-27</td></tr><tr><td>5700</td><td>10</td></tr><tr><td>5725 (Band Edge)</td><td>15.6</td></tr><tr><td>5850</td><td>27</td></tr><tr><td>5950</td><td>-27</td></tr></tbody></table>	Frequency (MHz)	EIRP (dBm/MHz)	5600 - 5650	-27	5700	10	5725 (Band Edge)	15.6	5850	27	5950	-27
Frequency (MHz)	EIRP (dBm/MHz)												
5600 - 5650	-27												
5700	10												
5725 (Band Edge)	15.6												
5850	27												
5950	-27												

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

5.6.2 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.

5.6.3 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 \leq 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:

$$E = \text{EIRP} - 20\log D + 104.8$$

where:

E = electric field strength in $\text{dB}\mu\text{V/m}$,

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 \geq 3 x 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 \geq 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 $\geq 3 \times$ RBW.
- e) Detector = RMS, if span/(# of points in sweep) \leq (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 (\geq 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 $f \geq 1$ GHz, 100 kHz for $f < 1$ GHz

VBW \geq RBW

Sweep = auto

Detector function = peak

Trace = max hold

5.6.4 Test Result

Please refer to ANNEX A.7.

5.7 Frequency Stability

5.7.1 Limit

FCC §15.407(g)

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

5.7.2 Test Setup

The section 4.4.6 (Diagram 6) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

5.7.3 Test Procedure

The EUT is installed in an environment test chamber with external power source.

Set the chamber to operate at 50 centigrade and external power source to output at nominal voltage of EUT.

A sufficient stabilization period at each temperatures is used prior to each frequency measurement.

When temperature is stabled, measure the frequency stability.

The test shall be performed under -30 to 50 centigrade and 85 to 115 percent of the nominal voltage.

Change setting of chamber and external power source to complete all conditions.

5.7.4 Test Result

Please refer to ANNEX A.8.

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.

Test Data

ANT 0

Conducted Power

Band I (5150 - 5250 MHz)						
Mode	Channel	Frequency (MHz)	Conducted Power (dBm)		Limit (mW)	Verdict
			ANT 0 (dBm)	ANT 0 (mW)		
11a	CH36	5180	9.56	9.04	250	Pass
11a	CH44	5220	9.72	9.38	250	Pass
11a	CH48	5240	9.85	9.66	250	Pass
11n (HT20)	CH36	5180	9.72	9.38	250	Pass
11n (HT20)	CH44	5220	9.69	9.31	250	Pass
11n (HT20)	CH48	5240	9.72	9.38	250	Pass
11n (HT40)	CH38	5190	8.70	7.41	250	Pass
11n (HT40)	CH46	5230	9.98	9.95	250	Pass
11ac (HT80)	CH42	5210	3.57	2.28	250	Pass

Band II (5250 - 5350 MHz)						
Mode	Channel	Frequency (MHz)	Conducted Power (dBm)		Limit (mW)	Verdict
			ANT 0 (dBm)	ANT 0 (mW)		
11a	CH52	5260	10.01	10.02	250	Pass
11a	CH60	5300	10.69	11.72	250	Pass
11a	CH64	5320	11.03	12.68	250	Pass
11n (HT20)	CH52	5260	10.14	10.33	250	Pass
11n (HT20)	CH60	5300	10.83	12.11	250	Pass
11n (HT20)	CH64	5320	11.18	13.12	250	Pass
11n (HT40)	CH54	5270	10.81	12.05	250	Pass
11n (HT40)	CH62	5310	7.61	5.77	250	Pass
11ac (HT80)	CH58	5290	3.19	2.08	250	Pass

Band III (5470 - 5725 MHz)						
Mode	Channel	Frequency (MHz)	Conducted Power (dBm)		Limit (mW)	Verdict
			ANT 0 (dBm)	ANT 0 (mW)		
11a	CH100	5500	9.89	9.75	250	Pass
11a	CH116	5580	9.93	9.84	250	Pass
11a	CH140	5700	8.56	7.18	250	Pass
11n (HT20)	CH100	5500	10.42	11.02	250	Pass
11n (HT20)	CH116	5580	10.38	10.91	250	Pass
11n (HT20)	CH140	5700	8.75	7.50	250	Pass
11n (HT40)	CH102	5510	7.60	5.75	250	Pass
11n (HT40)	CH111	5550	10.18	10.42	250	Pass
11ac (HT80)	CH106	5530	3.36	2.17	250	Pass

Band IV (5725 - 5850 MHz)						
Mode	Channel	Frequency (MHz)	Conducted Power (dBm)		Limit (W)	Verdict
			ANT 0 (dBm)	ANT 0 (mW)		
11a	CH149	5745	7.61	5.77	1	Pass
11a	CH157	5785	7.24	5.30	1	Pass
11a	CH165	5825	6.14	4.11	1	Pass
11n (HT20)	CH149	5745	9.35	8.61	1	Pass
11n (HT20)	CH157	5785	8.64	7.31	1	Pass
11n (HT20)	CH165	5825	7.70	5.89	1	Pass
11n (HT40)	CH151	5755	8.21	6.62	1	Pass
11n (HT40)	CH159	5795	7.48	5.60	1	Pass
11ac (HT80)	CH155	5775	4.44	2.78	1	Pass

ANT 1

Conducted Power

Band I (5150 - 5250 MHz)						
Mode	Channel	Frequency (MHz)	Conducted Power (dBm)		Limit (mW)	Verdict
			ANT 1 (dBm)	ANT 1 (mW)		
11a	CH36	5180	9.76	9.46	250	Pass
11a	CH44	5220	5.12	3.25	250	Pass
11a	CH48	5240	5.69	3.71	250	Pass
11n (HT20)	CH36	5180	10.83	12.11	250	Pass
11n (HT20)	CH44	5220	5.84	3.84	250	Pass
11n (HT20)	CH48	5240	6.42	4.39	250	Pass
11n (HT40)	CH38	5190	8.04	6.37	250	Pass
11n (HT40)	CH46	5230	5.93	3.92	250	Pass
11ac (HT80)	CH42	5210	1.18	1.31	250	Pass

Band II (5250 - 5350 MHz)						
Mode	Channel	Frequency (MHz)	Conducted Power (dBm)		Limit (mW)	Verdict
			ANT 1 (dBm)	ANT 1 (mW)		
11a	CH52	5260	8.63	7.29	250	Pass
11a	CH60	5300	12.56	18.03	250	Pass
11a	CH64	5320	12.83	19.19	250	Pass
11n (HT20)	CH52	5260	9.58	9.08	250	Pass
11n (HT20)	CH60	5300	13.74	23.66	250	Pass
11n (HT20)	CH64	5320	13.99	25.06	250	Pass
11n (HT40)	CH54	5270	10.95	12.45	250	Pass
11n (HT40)	CH62	5310	9.79	9.53	250	Pass
11ac (HT80)	CH58	5290	4.91	3.10	250	Pass

Band III (5470 - 5725 MHz)						
Mode	Channel	Frequency (MHz)	Conducted Power (dBm)		Limit (mW)	Verdict
			ANT 1 (dBm)	ANT 1 (mW)		
11a	CH100	5500	12.41	17.42	250	Pass
11a	CH116	5580	5.11	3.24	250	Pass
11a	CH140	5700	9.79	9.53	250	Pass
11n (HT20)	CH100	5500	13.33	21.53	250	Pass
11n (HT20)	CH116	5580	6.14	4.11	250	Pass
11n (HT20)	CH140	5700	10.65	11.61	250	Pass
11n (HT40)	CH102	5510	9.46	8.83	250	Pass
11n (HT40)	CH111	5550	13.28	21.28	250	Pass
11ac (HT80)	CH106	5530	3.36	2.17	250	Pass

Band IV (5725 - 5850 MHz)						
Mode	Channel	Frequency (MHz)	Conducted Power (dBm)		Limit (W)	Verdict
			ANT 1 (dBm)	ANT 1 (mW)		
11a	CH149	5745	3.74	2.37	1	Pass
11a	CH157	5785	7.59	5.74	1	Pass
11a	CH165	5825	10.22	10.52	1	Pass
11n (HT20)	CH149	5745	4.71	2.96	1	Pass
11n (HT20)	CH157	5785	8.49	7.06	1	Pass
11n (HT20)	CH165	5825	11.04	12.71	1	Pass
11n (HT40)	CH151	5755	5.49	3.54	1	Pass
11n (HT40)	CH159	5795	9.28	8.47	1	Pass
11ac (HT80)	CH155	5775	4.45	2.79	1	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ16B0261-604 Data Part 1.pdf".

Test Data

Band I (5150 - 5250 MHz)						
Mode	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
			ANT 0	ANT 1	ANT 0	ANT 1
11a	CH36	5180	20.04	18.94	16.50	16.42
11a	CH44	5220	20.30	20.52	16.50	16.50
11a	CH48	5240	20.22	19.24	16.48	16.50
11n (HT20)	CH36	5180	20.50	19.76	17.68	17.66
11n (HT20)	CH44	5220	20.44	19.76	17.66	17.64
11n (HT20)	CH48	5240	20.70	19.90	17.68	17.66
11n (HT40)	CH38	5190	40.74	38.38	36.18	36.22
11n (HT40)	CH46	5230	40.46	38.42	36.18	36.08
11ac (HT80)	CH42	5210	78.82	77.52	75.04	75.52

Band II (5250 - 5350 MHz)						
Mode	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
			ANT 0	ANT 1	ANT 0	ANT 1
11a	CH52	5260	20.24	18.48	16.46	16.44
11a	CH60	5300	20.00	19.56	16.46	16.50
11a	CH64	5320	20.18	19.22	16.46	16.44
11n (HT20)	CH52	5260	20.58	19.82	17.64	17.64
11n (HT20)	CH60	5300	20.64	19.84	17.68	17.62
11n (HT20)	CH64	5320	20.62	20.04	17.66	17.62
11n (HT40)	CH54	5270	40.62	39.42	36.18	36.20
11n (HT40)	CH62	5310	40.50	38.44	36.18	36.26
11ac (HT80)	CH58	5290	79.00	77.30	74.96	74.56

Band III (5470 - 5725 MHz)						
Mode	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
			ANT 0	ANT 1	ANT 0	ANT 1
11a	CH100	5500	20.20	18.64	16.48	16.56
11a	CH116	5580	19.96	18.36	16.46	16.44
11a	CH140	5700	20.02	19.42	16.46	16.50
11n (HT20)	CH100	5500	20.64	20.24	17.66	17.60
11n (HT20)	CH116	5580	20.64	19.72	17.64	17.68
11n (HT20)	CH140	5700	20.62	20.40	17.62	17.64
11n (HT40)	CH102	5510	40.74	38.44	36.14	36.18
11n (HT40)	CH111	5550	40.78	38.72	36.16	36.16
11ac (HT80)	CH106	5530	79.10	77.16	75.00	74.36

Band IV (5725 - 5850 MHz)						
Mode	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)		99% Bandwidth (MHz)	
			ANT 0	ANT 1	ANT 0	ANT 1
11a	CH149	5745	20.20	20.16	16.50	16.46
11a	CH157	5785	20.22	19.62	16.48	16.54
11a	CH165	5825	20.18	18.62	16.48	16.40
11n (HT20)	CH149	5745	20.42	20.74	17.62	17.66
11n (HT20)	CH157	5785	20.46	19.22	17.66	17.62
11n (HT20)	CH165	5825	20.42	20.00	17.64	17.68
11n (HT40)	CH151	5755	40.48	39.80	36.16	36.28
11n (HT40)	CH159	5795	40.44	37.90	36.20	36.12
11ac (HT80)	CH155	5775	79.16	77.16	74.92	74.52

A.3 6 dB Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ16B0261-604 Data Part 2.pdf".

Test Data

Band IV (5725 - 5850 MHz)						
Mode	Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Limit (kHz)	Verdict
			ANT 0	ANT 1		
11a	CH149	5745	16.57	16.57	500	Pass
11a	CH157	5785	16.67	16.67	500	Pass
11a	CH165	5825	16.62	16.62	500	Pass
11n (HT20)	CH149	5745	17.87	15.52	500	Pass
11n (HT20)	CH157	5785	17.82	17.72	500	Pass
11n (HT20)	CH165	5825	17.82	17.77	500	Pass
11n (HT40)	CH151	5755	36.57	35.87	500	Pass
11n (HT40)	CH159	5795	36.57	35.82	500	Pass
11ac (HT80)	CH155	5775	75.52	69.62	500	Pass

A.4 Power Spectral Density

Note: Test plots please refer to the document "Annex No.: BL-SZ16B0261-604 Data Part 3.pdf".

Test Data

Band I (5150 - 5250 MHz)						
Mode	Channel	Frequency (MHz)	PSD (dBm/MHz)		Limit (dBm/MHz)	Verdict
			ANT 0	ANT 1		
11a	CH36	5180	-2.20	-7.32	11	Pass
11a	CH44	5220	-1.91	-11.03	11	Pass
11a	CH48	5240	-1.65	-11.50	11	Pass
11n (HT20)	CH36	5180	-2.48	-5.39	11	Pass
11n (HT20)	CH44	5220	-2.44	-12.10	11	Pass
11n (HT20)	CH48	5240	-2.17	-11.30	11	Pass
11n (HT40)	CH38	5190	-6.34	-15.29	11	Pass
11n (HT40)	CH46	5230	-5.09	-18.03	11	Pass
11ac (HT80)	CH42	5210	-13.21	-25.40	11	Pass

Band II (5250 - 5350 MHz)						
Mode	Channel	Frequency (MHz)	PSD (dBm/MHz)		Limit (dBm/MHz)	Verdict
			ANT 0	ANT 1		
11a	CH52	5260	-1.34	-8.26	11	Pass
11a	CH60	5300	-0.86	-5.26	11	Pass
11a	CH64	5320	-0.51	-3.78	11	Pass
11n (HT20)	CH52	5260	-1.78	-7.90	11	Pass
11n (HT20)	CH60	5300	-1.10	-4.61	11	Pass
11n (HT20)	CH64	5320	-0.69	-3.44	11	Pass
11n (HT40)	CH54	5270	-4.01	-11.93	11	Pass
11n (HT40)	CH62	5310	-7.26	-13.89	11	Pass
11ac (HT80)	CH58	5290	-13.25	-23.62	11	Pass

Band III (5470 - 5725 MHz)						
Mode	Channel	Frequency (MHz)	PSD (dBm/MHz)		Limit (dBm/MHz)	Verdict
			ANT 0	ANT 1		
11a	CH100	5500	-1.57	-5.31	11	Pass
11a	CH116	5580	-1.37	-11.73	11	Pass
11a	CH140	5700	-3.71	-7.64	11	Pass
11n (HT20)	CH100	5500	-1.57	-4.80	11	Pass
11n (HT20)	CH116	5580	-1.42	-10.47	11	Pass
11n (HT20)	CH140	5700	-3.26	-7.37	11	Pass
11n (HT40)	CH102	5510	-7.45	-18.40	11	Pass
11n (HT40)	CH111	5550	-4.88	-11.09	11	Pass
11ac (HT80)	CH106	5530	-13.38	-24.46	11	Pass

Band IV (5725 - 5850 MHz)						
Mode	Channel	Frequency (MHz)	PSD (dBm/500 kHz)		Limit (dBm/ 500 kHz)	Verdict
			ANT 0	ANT 1		
11a	CH149	5745	-6.76	-15.58	30	Pass
11a	CH157	5785	-7.74	-12.51	30	Pass
11a	CH165	5825	-8.25	-10.95	30	Pass
11n (HT20)	CH149	5745	-5.47	-15.22	30	Pass
11n (HT20)	CH157	5785	-6.21	-12.10	30	Pass
11n (HT20)	CH165	5825	-6.95	-10.11	30	Pass
11n (HT40)	CH151	5755	-9.54	-13.17	30	Pass
11n (HT40)	CH159	5795	-10.50	-15.50	30	Pass
11ac (HT80)	CH155	5775	-15.26	-26.09	30	Pass

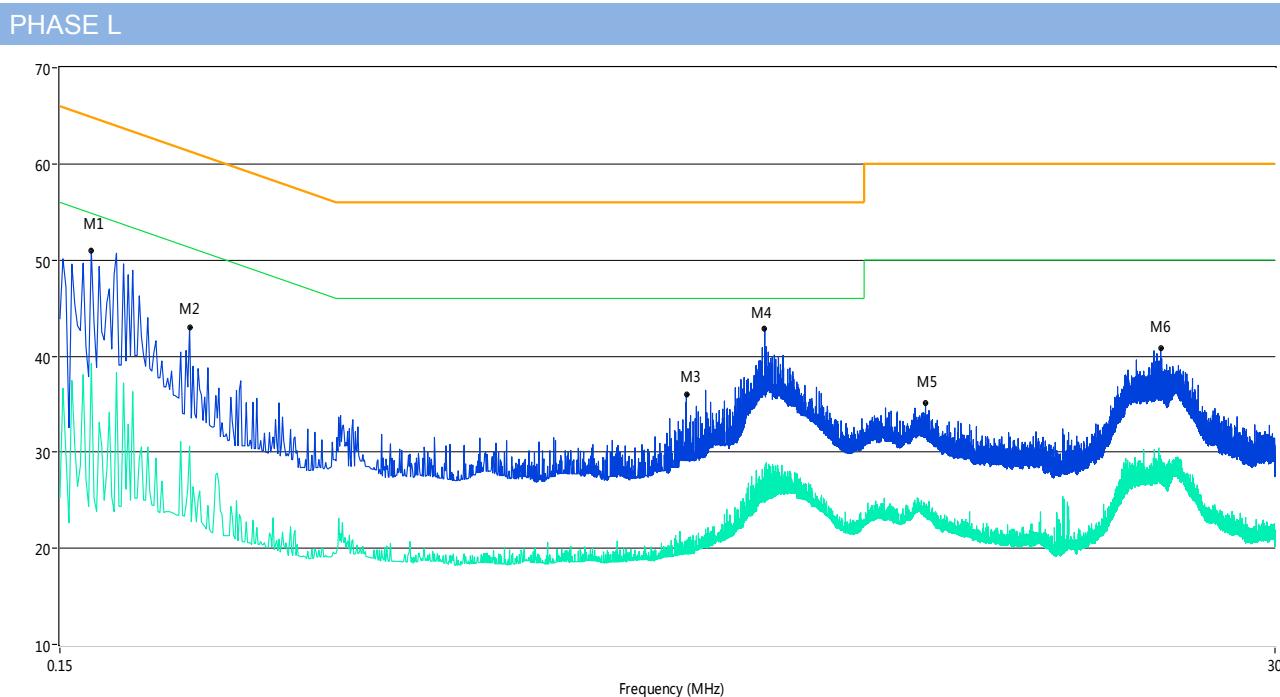
A.5 Conducted Emissions

Note 1: The EUT is working in the Normal link mode.

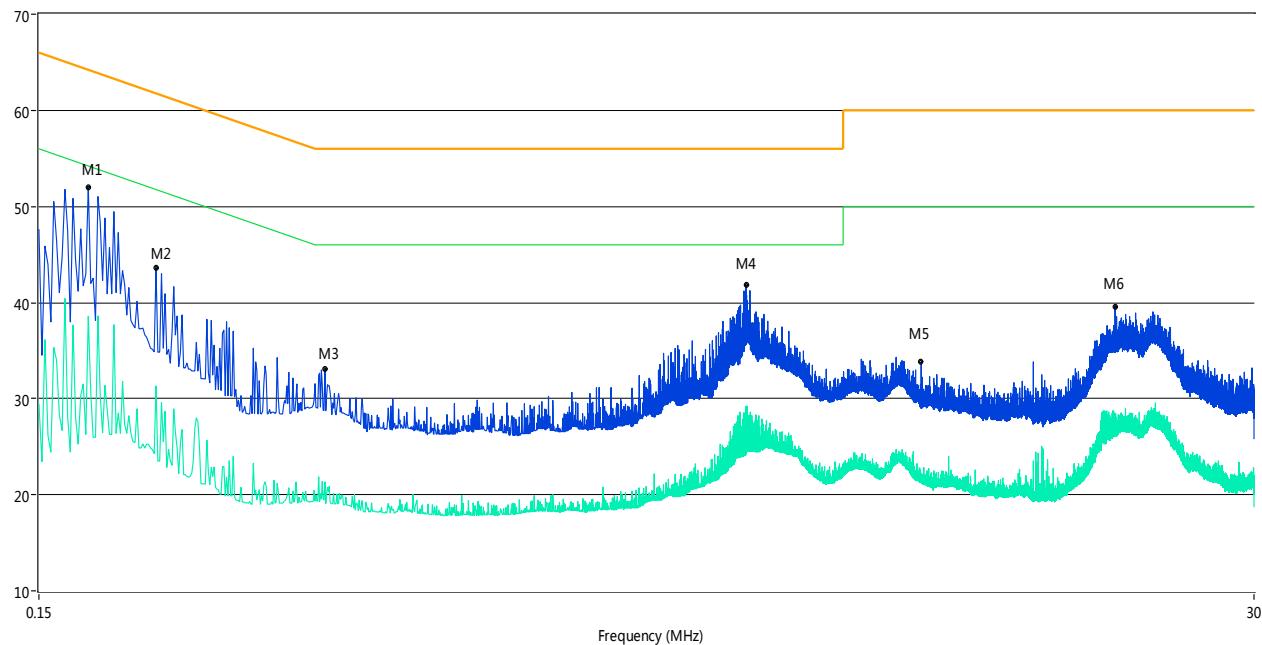
Note 2: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

Note 3: All antennas have been tested, only the worst configuration (ANT 0) show here.

Test Data and Plots



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.172	50.9	11.00	64.9	14.00	Peak	L Line	Pass
1**	0.172	39.2	11.00	54.9	15.70	AV	L Line	Pass
2	0.264	43.0	11.00	61.3	18.30	Peak	L Line	Pass
2**	0.264	30.6	11.00	51.3	20.70	AV	L Line	Pass
3	2.304	36.0	11.00	56.0	20.00	Peak	L Line	Pass
3**	2.304	20.2	11.00	46.0	25.80	AV	L Line	Pass
4	3.242	42.9	11.00	56.0	13.10	Peak	L Line	Pass
4**	3.242	28.4	11.00	46.0	17.60	AV	L Line	Pass
5	6.536	35.1	11.00	60.0	24.90	Peak	L Line	Pass
5**	6.536	24.2	11.00	50.0	25.80	AV	L Line	Pass
6	18.222	40.9	11.00	60.0	19.10	Peak	L Line	Pass
6**	18.222	28.7	11.00	50.0	21.30	AV	L Line	Pass

PHASE N


No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.186	52.0	11.00	64.2	12.20	Peak	N Line	Pass
1**	0.186	38.6	11.00	54.2	15.60	AV	N Line	Pass
2	0.250	43.6	11.00	61.8	18.20	Peak	N Line	Pass
2**	0.250	31.3	11.00	51.8	20.50	AV	N Line	Pass
3	0.522	33.1	11.00	56.0	22.90	Peak	N Line	Pass
3**	0.522	21.3	11.00	46.0	24.70	AV	N Line	Pass
4	3.274	41.8	11.00	56.0	14.20	Peak	N Line	Pass
4**	3.274	29.2	11.00	46.0	16.80	AV	N Line	Pass
5	7.028	33.8	11.00	60.0	26.20	Peak	N Line	Pass
5**	7.028	22.3	11.00	50.0	27.70	AV	N Line	Pass
6	16.388	39.6	11.00	60.0	20.40	Peak	N Line	Pass
6**	16.388	27.6	11.00	50.0	22.40	AV	N Line	Pass

A.6 Conducted Spurious Emission and Band Edge (Authorized-band)

Note 1: Test plots please refer to the document "Annex No.: BL-SZ16B0261-604 Data Part 4.pdf".

Note 2: The margin of all individual chains in the report is greater than 3 db, so the total value meets the limit requirement.

ANT 0

Test Band	Mode	Channel	Verdict
Band 1	802.11a	Low	Pass
		Middle	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		Middle	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(HT80)	Low	Pass
	802.11a	Low	Pass
		Middle	Pass
		High	Pass
Band 2	802.11n(HT20)	Low	Pass
		Middle	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(HT80)	Low	Pass
	802.11a	Low	Pass
		Middle	Pass
		High	Pass
Band 3	802.11n(HT20)	Low	Pass
		Middle	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(HT80)	Low	Pass
	802.11a	Low	Pass
		Middle	Pass
		High	Pass
Band 4	802.11n(HT20)	Low	Pass
		Middle	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(HT80)	Low	Pass

ANT 1

Test Band	Mode	Channel	Verdict
Band 1	802.11a	Low	Pass
		Middle	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		Middle	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(HT80)	Low	Pass
	802.11a	Low	Pass
		Middle	Pass
		High	Pass
Band 2	802.11n(HT20)	Low	Pass
		Middle	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(HT80)	Low	Pass
	802.11a	Low	Pass
		Middle	Pass
		High	Pass
Band 3	802.11n(HT20)	Low	Pass
		Middle	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(HT80)	Low	Pass
	802.11a	Low	Pass
		Middle	Pass
		High	Pass
Band 4	802.11n(HT20)	Low	Pass
		Middle	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(HT80)	Low	Pass

A.7 Radiated Spurious Emissions and Band Edge (Restricted-band)

Antenna-port Conducted test data

$$E = EIRP - 20\log D + 104.8$$

where:

E = electric field strength in dB μ V/m,

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

EIRP= Measure Conducted output power Value (dBm) + Maximum transmit antenna gain (dBi) + The appropriate maximum ground reflection factor (dB)

Note: For Multiple transmitter output, the quantity $10 \log (NANT)$ dB is added to each spectrum value before comparing to the emission limit. When testing out-of-band and spurious emissions against relative emission limits, tests may be performed on each output individually without summing or adding $10 \log(NANT)$ if the measurements are made relative to the in-band emissions on the individual outputs.

ANT 0 (Test frequency: 9 KHz – 25 GHz)

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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

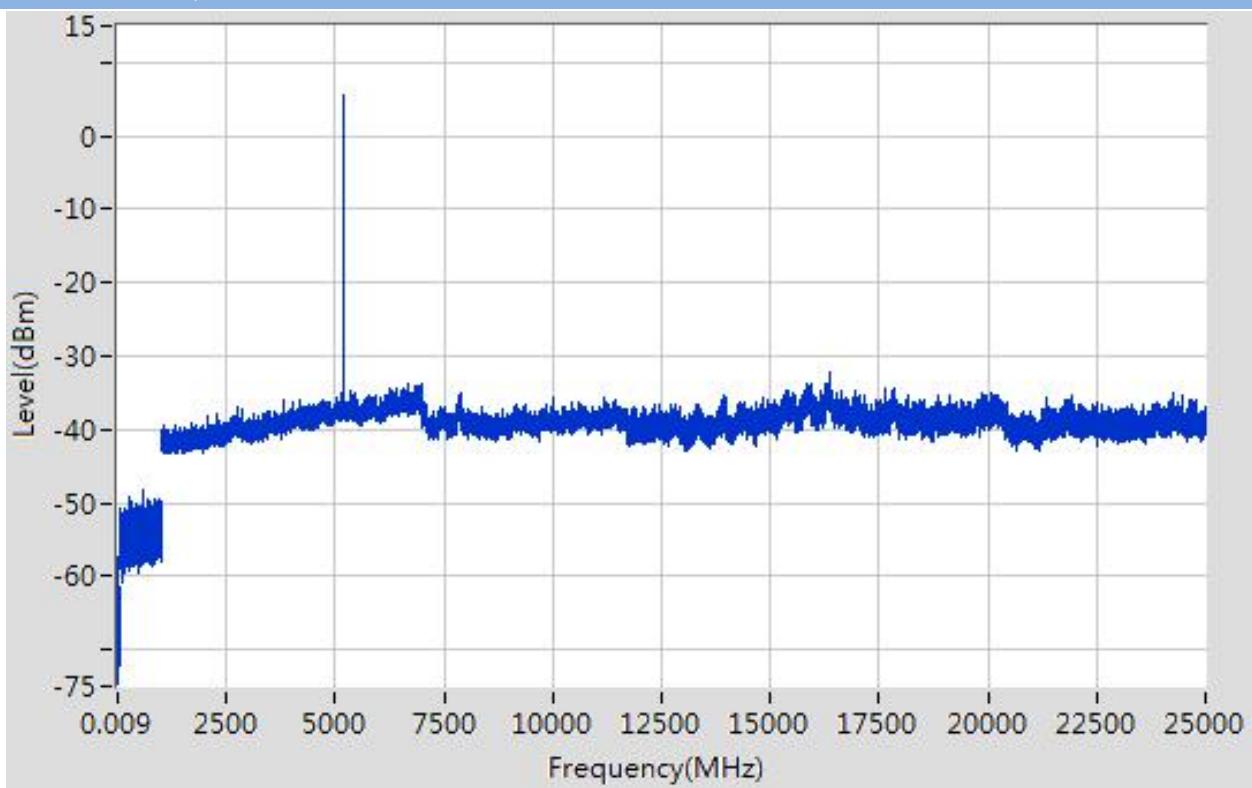
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band I 11a CH36

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.009	-65.08	6	3	6	QP	42.18	68.20	26.02	Note 2	Pass
0.2	-57.53	6	3	6	QP	49.73	68.20	18.47	Note 2	Pass
556.954	-48.13	4.7	3	6	QP	57.83	68.20	10.37	Note 2	Pass
5185.837	5.56	0	3	6	PK	106.82	N/A	N/A	Note 1	N/A
	5.56		3	6	AV	106.82	N/A	N/A		N/A
6995.231	-33.68	0	3	6	PK	67.58	68.20	0.62	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
11193.638	-35.81	0	3	6	PK	65.45	74.00	8.55	--	Pass
	-54.32		3	6	AV	46.94	54.00	7.06		Pass
16340.349	-38.51	0	3	6	PK	62.75	68.20	5.45	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band I 11a CH36, SPURIOUS 9 KHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

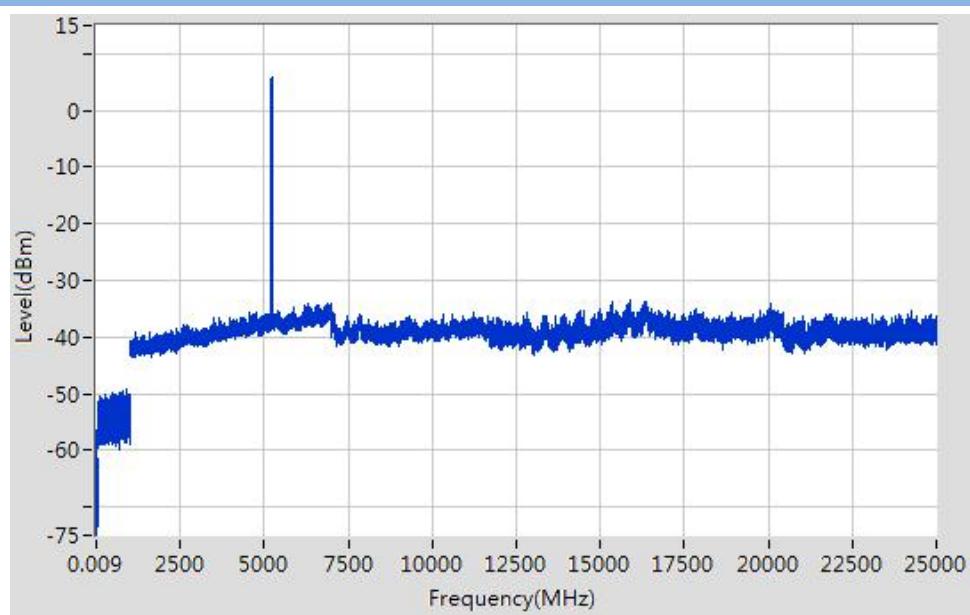
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band I 11a CH44

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.009	-65.08	6	3	6	QP	42.18	68.20	26.02	Note 2	Pass
0.2	-57.53	6	3	6	QP	49.73	68.20	18.47	Note 2	Pass
556.954	-48.13	4.7	3	6	QP	57.83	68.20	10.37	Note 2	Pass
5185.837	5.56	0	3	6	PK	106.82	N/A	N/A	Note 1	N/A
	5.56		3	6	AV	106.82	N/A	N/A		N/A
6995.231	-33.68	0	3	6	PK	67.58	68.20	0.62	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
11193.638	-35.81	0	3	6	PK	65.45	74.00	8.55	--	Pass
	-54.32		3	6	AV	46.94	54.00	7.06		Pass
16340.349	-38.51	0	3	6	PK	62.75	68.20	5.45	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band I 11a CH44, SPURIOUS 9 KHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

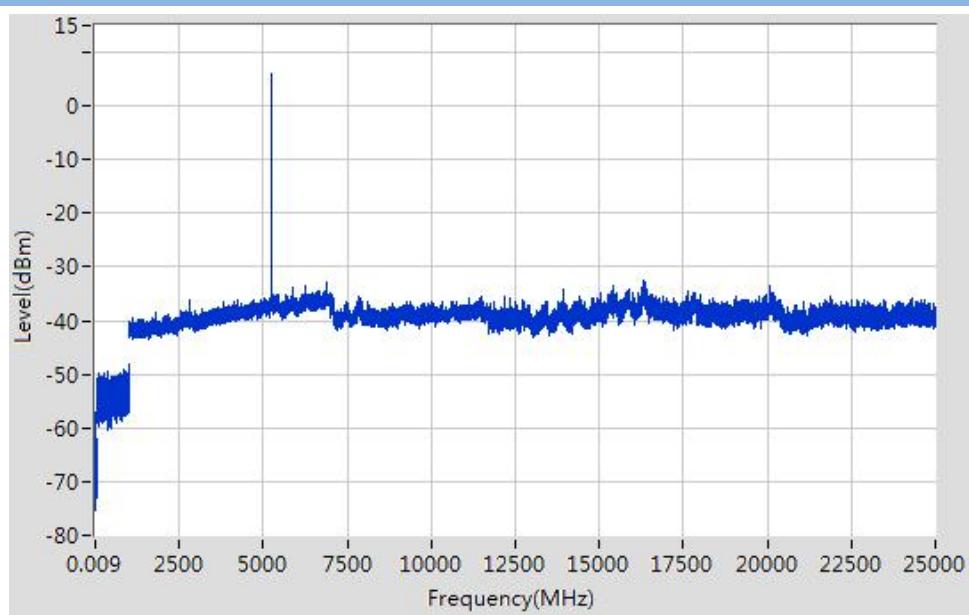
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band I 11a CH48

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.033	-62.89	6	3	6	QP	44.37	68.20	23.83	Note 2	Pass
0.16	-57.02	6	3	6	QP	50.24	68.20	17.96	Note 2	Pass
999.3	-47.97	4.7	3	6	QP	57.99	74.00	16.01	--	Pass
5233.847	6.16	0	3	6	PK	107.42	N/A	N/A	Note 1	N/A
	6.16		3	6	AV	107.42	N/A	N/A		N/A
6891.207	-37.53	0	3	6	PK	63.73	68.20	4.47	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
11498.856	-35.52	0	3	6	PK	65.74	74.00	8.26	--	Pass
	-50.49		3	6	AV	50.77	54.00	3.23		Pass
16337.349	-37.5	0	3	6	PK	63.76	68.20	4.44	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band I 11a CH48, SPURIOUS 9 KHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

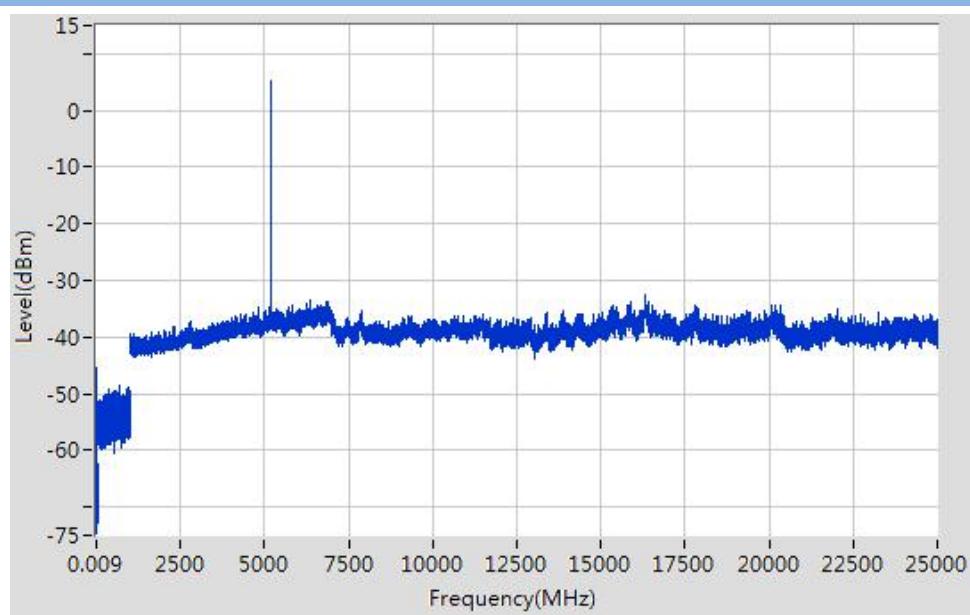
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band I 11 n (HT20) CH36

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.034	-45.34	6	3	6	QP	61.92	68.20	6.28	Note 2	Pass
0.19	-54.35	6	3	6	QP	52.91	68.20	15.29	Note 2	Pass
709.77	-48.64	4.7	3	6	QP	57.32	68.20	10.88	Note 2	Pass
5184.837	5.4	0	3	6	PK	106.66	N/A	N/A	Note 1	N/A
	5.40		3	6	AV	106.66	N/A	N/A		N/A
6351.082	-33.35	0	3	6	PK	67.91	68.20	0.29	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
11483.846	-35.96	0	3	6	PK	65.30	74.00	8.70	--	Pass
	-53.49		3	6	AV	47.77	54.00	6.23	--	Pass
16311.347	-34.56	0	3	6	PK	66.70	68.20	1.50	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band I 11 n (HT20) CH36, SPURIOUS 9 KHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

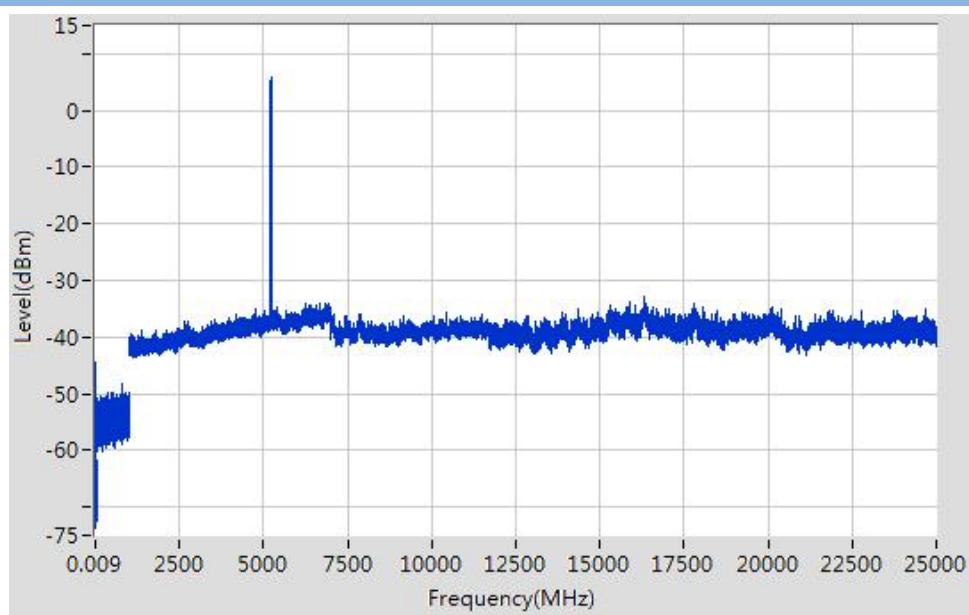
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band I 11 n (HT20) CH44

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.034	-44.44	6	3	6	QP	62.82	68.20	5.38	Note 2	Pass
0.23	-56.45	6	3	6	QP	50.81	68.20	17.39	Note 2	Pass
786.178	-48.39	4.7	3	6	QP	57.57	68.20	10.63	Note 2	Pass
5226.845	5.77	0	3	6	PK	107.03	N/A	N/A	Note 1	N/A
	5.77		3	6	AV	107.03	N/A	N/A		N/A
6273.064	-34.15	0	3	6	PK	67.11	68.20	1.09	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
10459.114	-35.81	0	3	6	PK	65.45	68.20	2.75	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A		N/A
16307.346	-34.91	0	3	6	PK	66.35	68.20	1.85	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band I 11 n (HT20) CH44, SPURIOUS 9 KHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

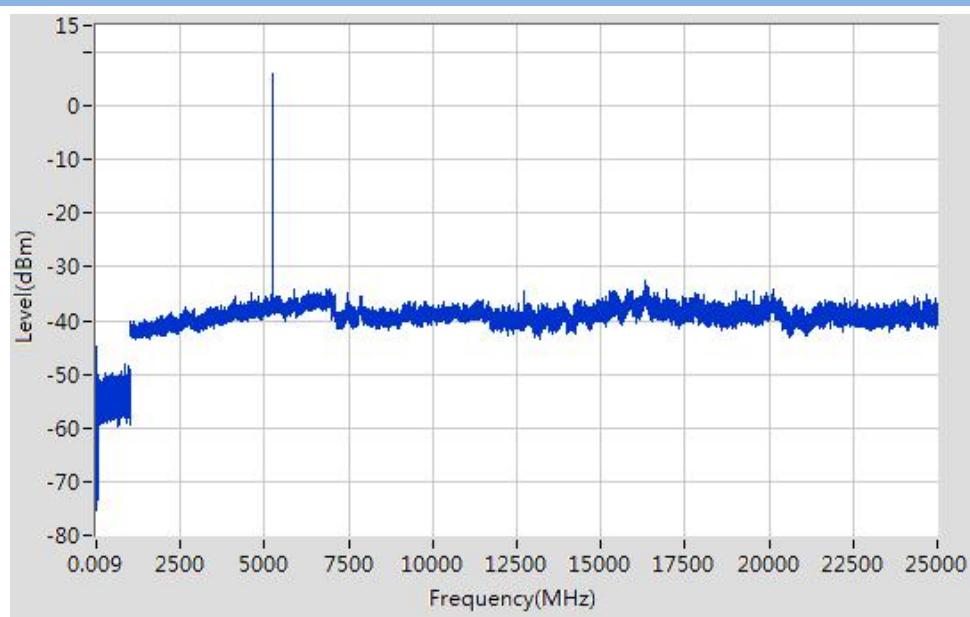
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band I 11 n (HT20) CH48

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.034	-44.81	6	3	6	QP	62.45	68.20	5.75	Note 2	Pass
0.15	-55.25	6	3	6	QP	52.01	68.20	16.19	Note 2	Pass
846.484	-48.2	4.7	3	6	QP	57.76	68.20	10.44	Note 2	Pass
5246.849	5.9	0	3	6	PK	107.16	N/A	N/A	Note 1	N/A
	5.90		3	6	AV	107.16	N/A	N/A		N/A
6913.212	-34.08	0	3	6	PK	67.18	68.20	1.02	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
11472.838	-36.26	0	3	6	PK	65.00	74.00	9.00	--	Pass
	-54.87		3	6	AV	46.39	54.00	7.61		Pass
16328.348	-34.53	0	3	6	PK	66.73	68.20	1.47	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band I 11 n (HT20) CH48, SPURIOUS 9 KHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

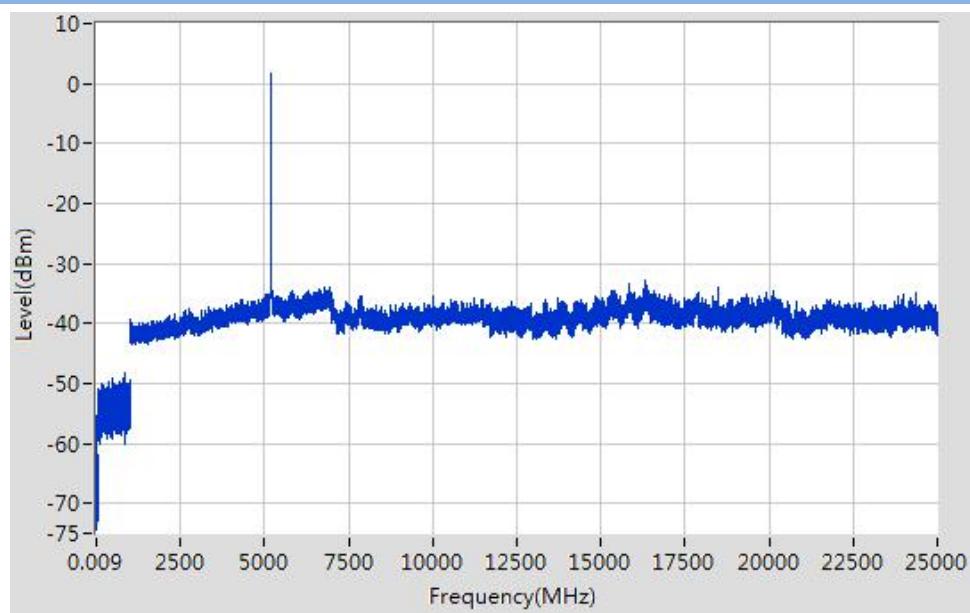
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band I 11 n (HT40) CH38

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.009	-64.33	6	3	6	QP	42.93	68.20	25.27	Note 2	Pass
0.2	-55.3	6	3	6	QP	51.96	68.20	16.24	Note 2	Pass
857.385	-48.39	4.7	3	6	QP	57.57	68.20	10.63	Note 2	Pass
5204.841	1.54	0	3	6	PK	102.80	N/A	N/A	Note 1	N/A
	1.54		3	6	AV	102.80	N/A	N/A		N/A
6955.222	-33.95	0	3	6	PK	67.31	68.20	0.89	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
11243.674	-35.78	0	3	6	PK	65.48	74.00	8.52	--	Pass
	-50.88		3	6	AV	50.38	54.00	3.62		Pass
16311.347	-34.68	0	3	6	PK	66.58	68.20	1.62	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band I 11 n (HT40) CH38, SPURIOUS 9 KHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

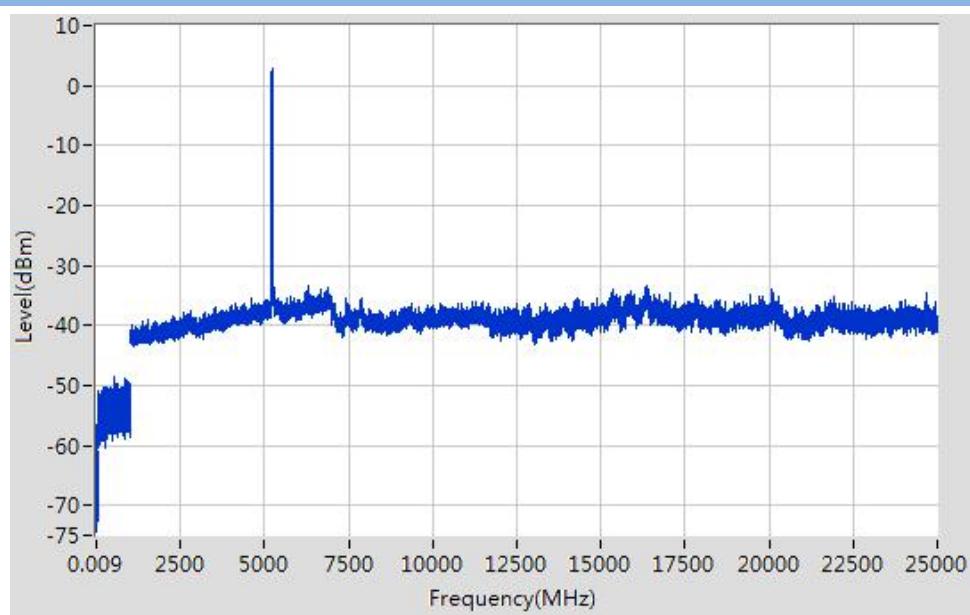
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band I 11n (HT40) CH46

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.009	-64.98	6	3	6	QP	42.28	68.20	25.92	Note 2	Pass
0.26	-56.68	6	3	6	QP	50.58	68.20	17.62	Note 2	Pass
525.251	-48.68	4.7	3	6	QP	57.28	68.20	10.92	Note 2	Pass
5226.845	2.87	0	3	6	PK	104.13	N/A	N/A	Note 1	N/A
	2.87		3	6	AV	104.13	N/A	N/A		N/A
6277.064	-33.26	0	3	6	PK	68.00	68.20	0.20	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
11193.638	-35.95	0	3	6	PK	65.31	74.00	8.69	--	Pass
	-51.22		3	6	AV	50.04	54.00	3.96		Pass
16356.35	-33.44	0	3	6	PK	67.82	68.20	0.38	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band I 11 n (HT40) CH46, SPURIOUS 9 KHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

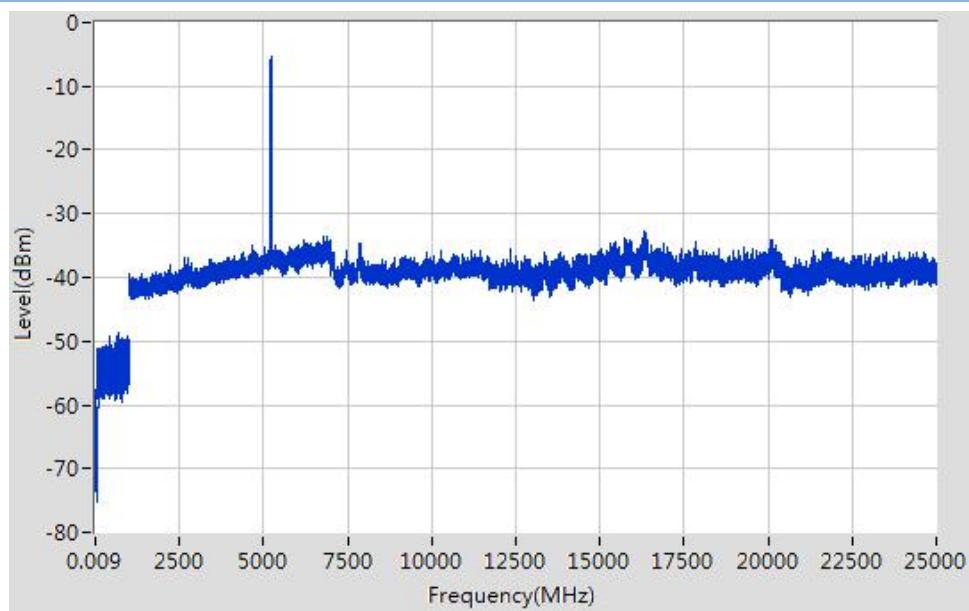
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band I 11ac(HT80) CH42

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.01	-65.28	6	3	6	QP	41.98	68.20	26.22	Note 2	Pass
0.27	-57.59	6	3	6	QP	49.67	68.20	18.53	Note 2	Pass
692.568	-48.72	4.7	3	6	QP	57.24	68.20	10.96	Note 2	Pass
5219.844	-5.23	0	3	6	PK	96.03	N/A	N/A	Note 1	N/A
	-5.23		3	6	AV	96.03	N/A	N/A		N/A
6755.176	-33.49	0	3	6	PK	67.77	68.20	0.43	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
11424.803	-35.7	0	3	6	PK	65.56	74.00	8.44	--	Pass
	-51.84		3	6	AV	49.42	54.00	4.58		Pass
16334.348	-33.83	0	3	6	PK	67.43	68.20	0.77	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band I 11ac(HT80) CH42, SPURIOUS 9 KHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

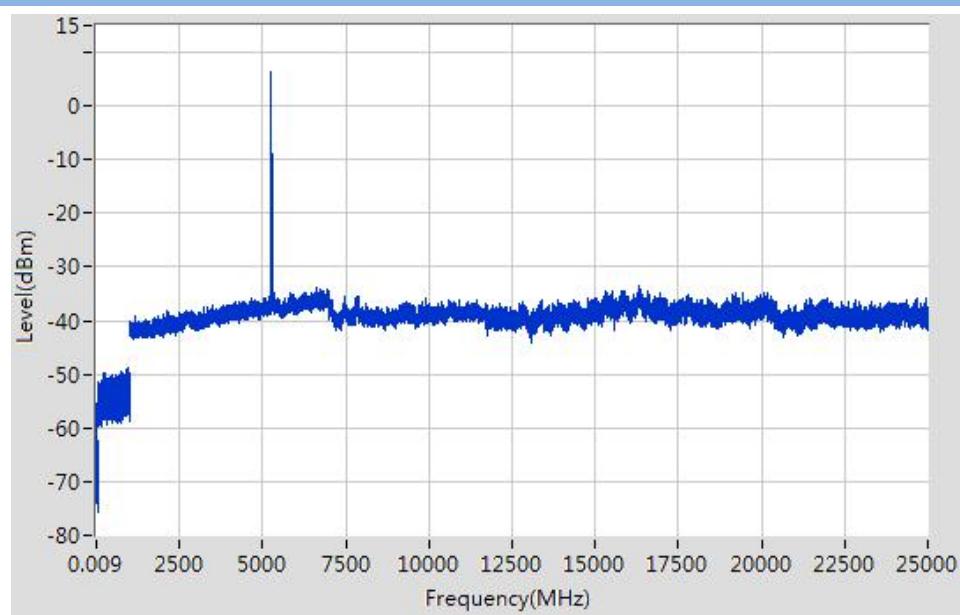
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band II 11a CH52

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.034	-63.38	6	3	6	QP	43.88	68.20	24.32	Note 2	Pass
0.28	-55.57	6	3	6	QP	51.69	68.20	16.51	Note 2	Pass
969.797	-48.8	4.7	3	6	QP	57.16	74.00	16.84	--	Pass
5265.853	6.51	0	3	6	PK	107.77	N/A	N/A	Note 1	N/A
	6.51		3	6	AV	107.77	N/A	N/A		N/A
6598.139	-33.78	0	3	6	PK	67.48	68.20	0.72	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
10936.455	-36.02	0	3	6	PK	65.24	74.00	8.76	--	Pass
	-52.41		3	6	AV	48.85	54.00	5.15		Pass
16336.349	-33.55	0	3	6	PK	67.71	68.20	0.49	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band II 11a CH52, SPURIOUS 9 KHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

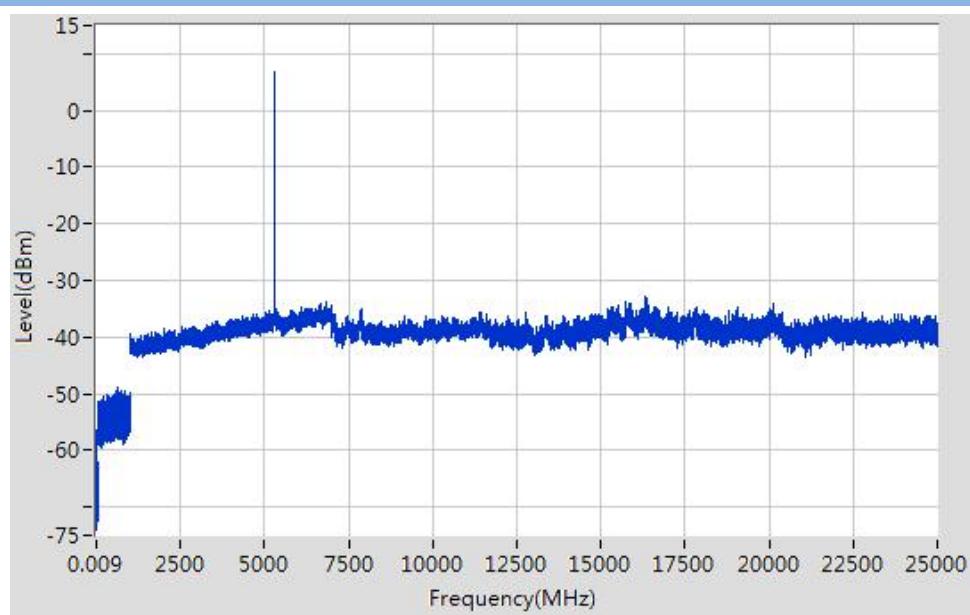
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band II 11a CH60

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.033	-64.63	6	3	6	QP	42.63	68.20	25.57	Note 2	Pass
0.15	-56.5	6	3	6	QP	50.76	68.20	17.44	Note 2	Pass
629.262	-49.01	4.7	3	6	QP	56.95	68.20	11.25	Note 2	Pass
5305.861	6.85	0	3	6	PK	108.11	N/A	N/A	Note 1	N/A
	6.85		3	6	AV	108.11	N/A	N/A		N/A
6826.192	-33.62	0	3	6	PK	67.64	68.20	0.56	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
11427.806	-35.68	0	3	6	PK	65.58	74.00	8.42	--	Pass
	-51.97		3	6	AV	49.29	54.00	4.71		Pass
16327.348	-36.84	0	3	6	PK	64.42	68.20	3.78	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band II 11a CH60, SPURIOUS 9 KHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

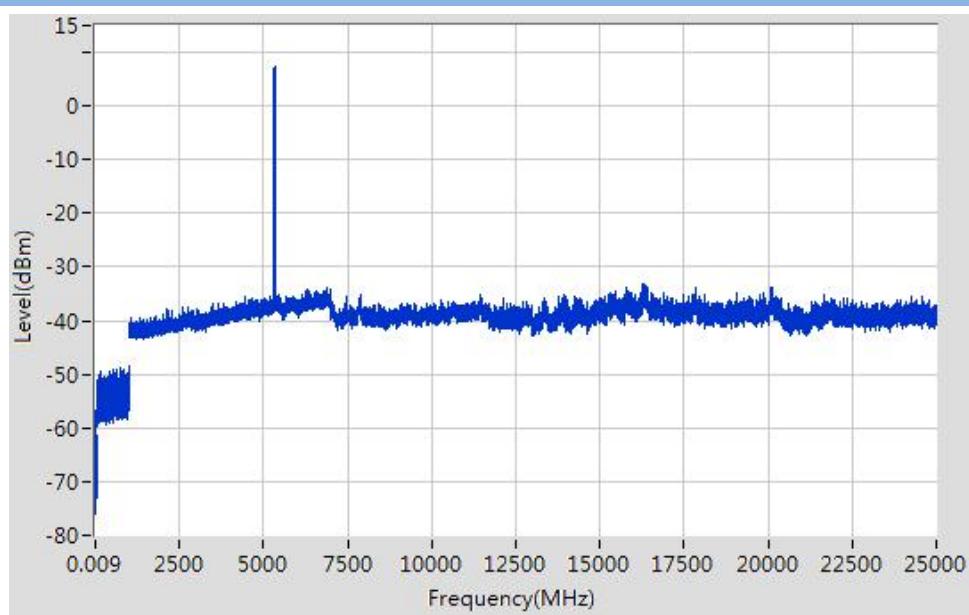
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band II 11a CH64

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.034	-64	6	3	6	QP	43.26	68.20	24.94	Note 2	Pass
0.27	-56.65	6	3	6	QP	50.61	68.20	17.59	Note 2	Pass
986.599	-48.38	4.7	3	6	QP	57.58	74.00	16.42	--	Pass
5324.865	7.3	0	3	6	PK	108.56	N/A	N/A	Note 1	N/A
	7.30		3	6	AV	108.56	N/A	N/A		N/A
6885.206	-33.67	0	3	6	PK	67.59	68.20	0.61	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
11444.818	-35.3	0	3	6	PK	65.96	74.00	8.04	--	Pass
	-54.97		3	6	AV	46.29	54.00	7.71		Pass
16318.347	-36.03	0	3	6	PK	65.23	68.20	2.97	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band II 11a CH64, SPURIOUS 9 KHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

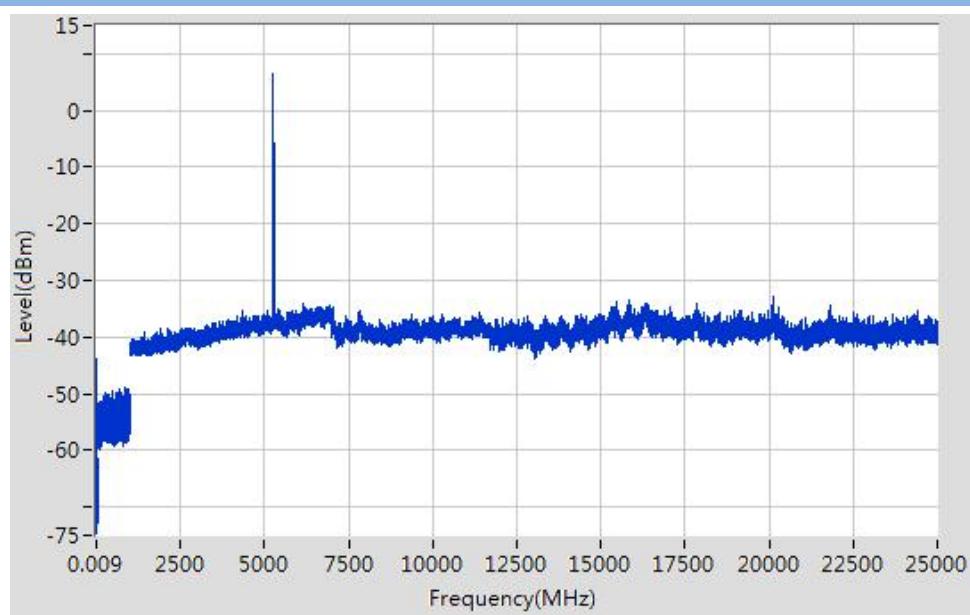
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band II 11 n (HT20) CH52

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.033	-43.98	6	3	6	QP	63.28	68.20	4.92	Note 2	Pass
0.34	-56.93	6	3	6	QP	50.33	68.20	17.87	Note 2	Pass
853.885	-48.88	4.7	3	6	QP	57.08	68.20	11.12	Note 2	Pass
5266.853	6.42	0	3	6	PK	107.68	N/A	N/A	Note 1	N/A
	6.42		3	6	AV	107.68	N/A	N/A		N/A
6164.038	-34.1	0	3	6	PK	67.16	68.20	1.04	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
11413.796	-35.68	0	3	6	PK	65.58	74.00	8.42	--	Pass
	-53.64		3	6	AV	47.62	54.00	6.38		Pass
20105.632	-32.96	0	3	6	PK	68.30	74.00	5.70	--	Pass
	-49.57		3	6	AV	51.69	54.00	2.31		Pass

Test Plots

Band II 11 n (HT20) CH52, SPURIOUS 9 KHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

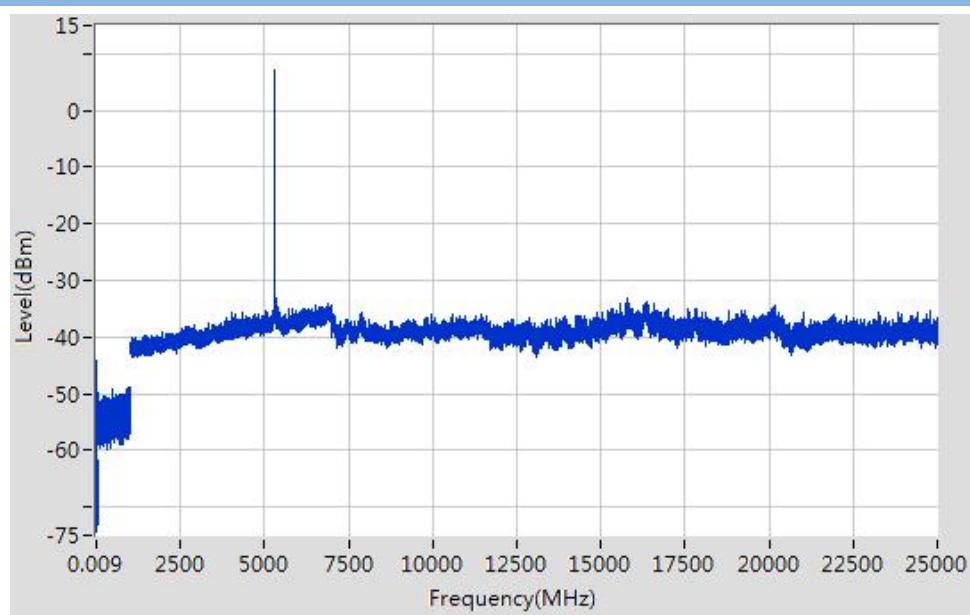
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band II 11 n (HT20) CH60

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.034	-44.1	6	3	6	QP	63.16	68.20	5.04	Note 2	Pass
0.25	-55.99	6	3	6	QP	51.27	68.20	16.93	Note 2	Pass
982.498	-48.74	4.7	3	6	QP	57.22	74.00	16.78	--	Pass
5305.861	7.07	0	3	6	PK	108.33	N/A	N/A	Note 1	N/A
	7.07		3	6	AV	108.33	N/A	N/A		N/A
6877.204	-34.18	0	3	6	PK	67.08	68.20	1.12	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
11459.828	-36.06	0	3	6	PK	65.20	74.00	8.80	--	Pass
	-52.36		3	6	AV	48.90	54.00	5.10		Pass
15800.308	-33.23	0	3	6	PK	68.03	74.00	5.97	--	Pass
	-50.21		3	6	AV	51.05	54.00	2.95	--	Pass

Test Plots

Band II 11 n (HT20) CH60, SPURIOUS 9 KHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

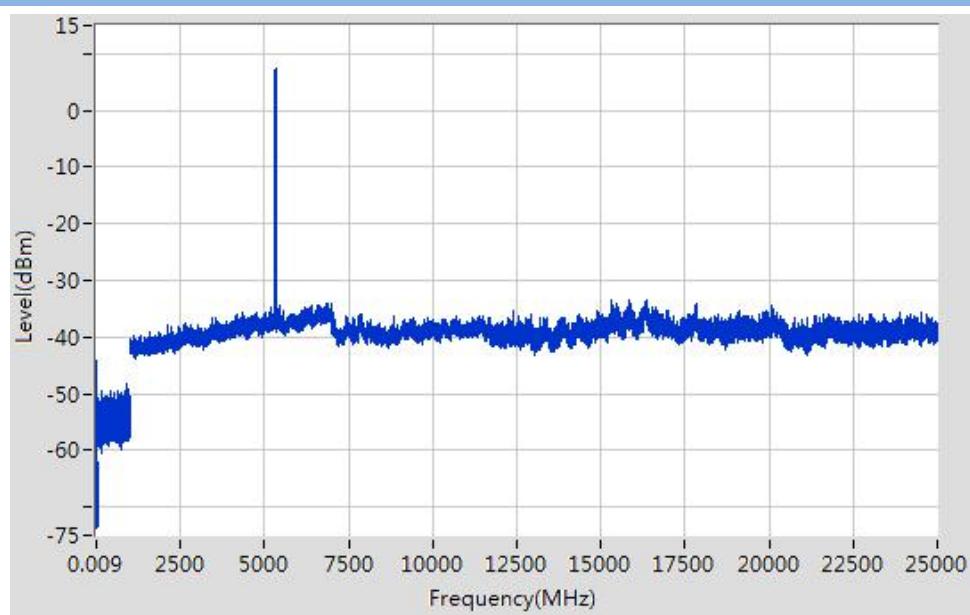
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band II 11 n (HT20) CH64

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.034	-44.3	6	3	6	QP	62.96	68.20	5.24	Note 2	Pass
0.27	-56.67	6	3	6	QP	50.59	68.20	17.61	Note 2	Pass
900.09	-48.4	4.7	3	6	QP	57.56	68.20	10.64	Note 2	Pass
5326.865	7.47	0	3	6	PK	108.73	N/A	N/A	Note 1	N/A
	7.47		3	6	AV	108.73	N/A	N/A		N/A
6851.198	-34.2	0	3	6	PK	67.06	68.20	1.14	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
10709.292	-36.25	0	3	6	PK	65.01	74.00	8.99	--	Pass
	-53.61		3	6	AV	47.65	54.00	6.35		Pass
16359.35	-33.37	0	3	6	PK	67.89	68.20	0.31	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band II 11 n (HT20) CH64, SPURIOUS 9 KHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

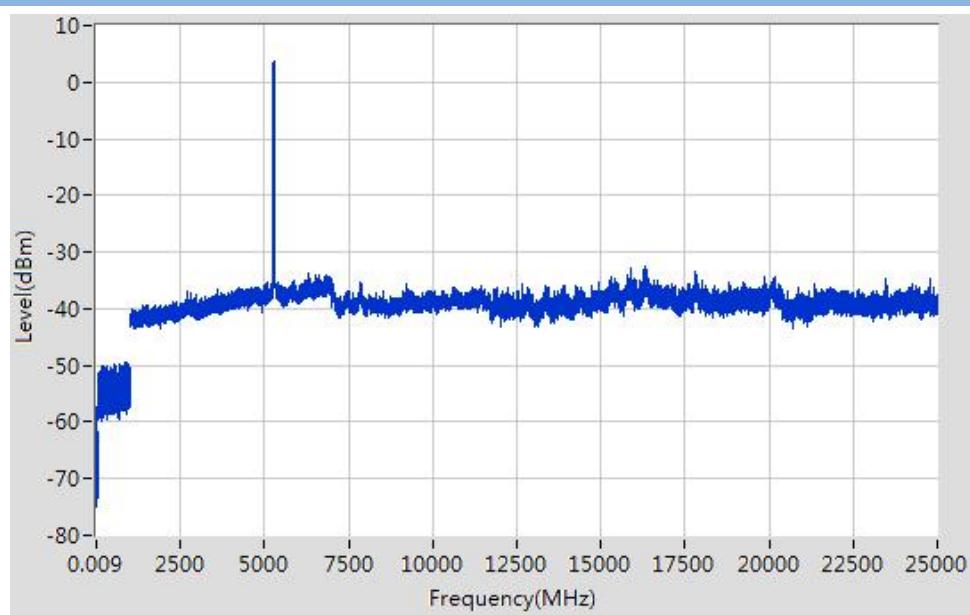
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band II 11 n (HT40) CH54

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.013	-64.64	6	3	6	QP	42.62	68.20	25.58	Note 2	Pass
0.15	-57.28	6	3	6	QP	49.98	68.20	18.22	Note 2	Pass
898.49	-49.36	4.7	3	6	QP	56.60	68.20	11.60	Note 2	Pass
5286.857	3.84	0	3	6	PK	105.10	N/A	N/A	Note 1	N/A
	3.84		3	6	AV	105.10	N/A	N/A		N/A
6290.067	-33.78	0	3	6	PK	67.48	68.20	0.72	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
11450.822	-36.02	0	3	6	PK	65.24	74.00	8.76	--	Pass
	-52.46		3	6	AV	48.80	54.00	5.20		Pass
16321.347	-34.35	0	3	6	PK	66.91	68.20	1.29	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band II 11 n (HT40) CH54, SPURIOUS 9 KHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

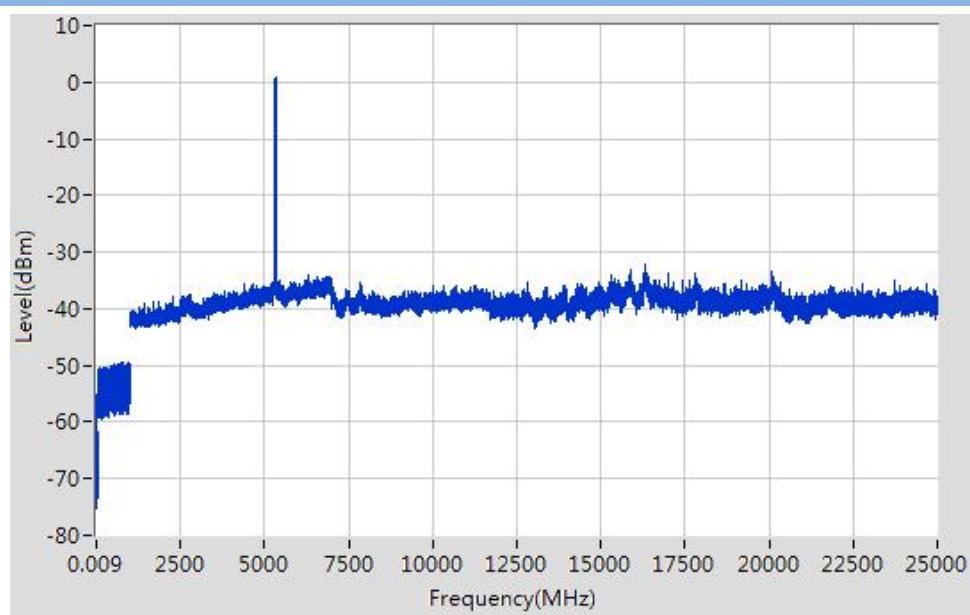
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band II 11n (HT40) CH62

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.009	-65.06	6	3	6	QP	42.20	68.20	26.00	Note 2	Pass
0.23	-55.07	6	3	6	QP	52.19	68.20	16.01	Note 2	Pass
954.895	-49.37	4.7	3	6	QP	56.59	68.20	11.61	Note 2	Pass
5325.865	0.84	0	3	6	PK	102.10	N/A	N/A	Note 1	N/A
	0.84		3	6	AV	102.10	N/A	N/A		N/A
6310.072	-33.97	0	3	6	PK	67.29	68.20	0.91	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
11212.652	-35.89	0	3	6	PK	65.37	74.00	8.63	--	Pass
	-51.39		3	6	AV	49.87	54.00	4.13	--	Pass
16323.348	-33.06	0	3	6	PK	68.20	68.20	0.00	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band II 11 n (HT40) CH62, SPURIOUS 9 KHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

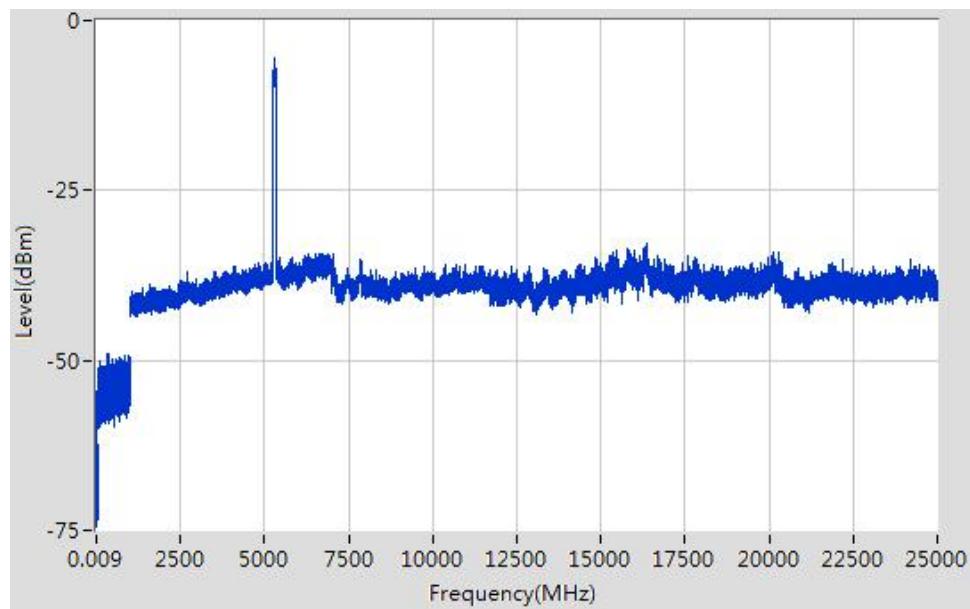
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band II 11ac(HT80) CH58

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.011	-65.54	6	3	6	QP	41.72	68.20	26.48	Note 2	Pass
0.15	-54.65	6	3	6	QP	52.61	68.20	15.59	Note 2	Pass
382.336	-48.92	4.7	3	6	QP	57.04	68.20	11.16	Note 2	Pass
5298.86	-5.39	0	3	6	PK	95.87	N/A	N/A	Note 1	N/A
	-5.39		3	6	AV	95.87	N/A	N/A		N/A
6541.126	-34.32	0	3	6	PK	66.94	68.20	1.26	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
10680.272	-35.83	0	3	6	PK	65.43	74.00	8.57	--	Pass
	-51.84		3	6	AV	49.42	54.00	4.58		Pass
16362.351	-33.89	0	3	6	PK	67.37	68.20	0.83	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band II 11ac(HT80) CH58, SPURIOUS 9 KHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

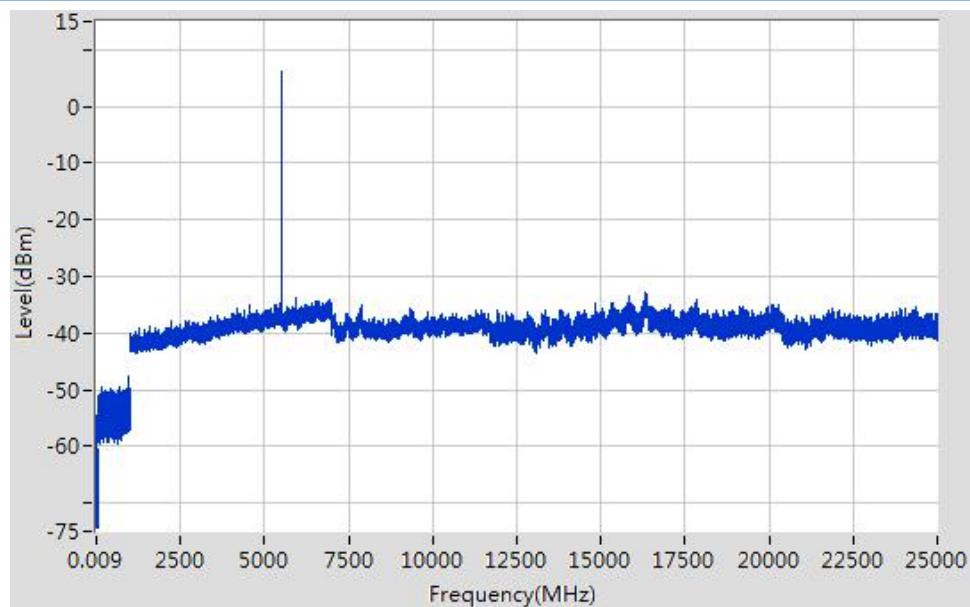
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band III 11a CH100

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.034	-62.68	6	3	6	QP	44.58	68.20	23.62	Note 2	Pass
0.15	-54.56	6	3	6	QP	52.70	68.20	15.50	Note 2	Pass
967.397	-47.53	4.7	3	6	QP	58.43	74.00	15.57	--	Pass
5505.901	6.22	0	3	6	PK	107.48	N/A	N/A	Note 1	N/A
	6.22		3	6	AV	107.48	N/A	N/A		N/A
	-33.97		3	6	PK	67.29	68.20	0.91	Note 2	Pass
6959.223	N/A	0	3	6	AV	N/A	N/A	N/A	--	N/A
	-35.85		3	6	PK	65.41	74.00	8.59	--	Pass
11425.804	-50.23	0	3	6	AV	51.03	54.00	2.97	--	Pass
	-34.78		3	6	PK	66.48	68.20	1.72	Note 2	Pass
16306.346	N/A	0	3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band III 11a CH100, SPURIOUS 9 KHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

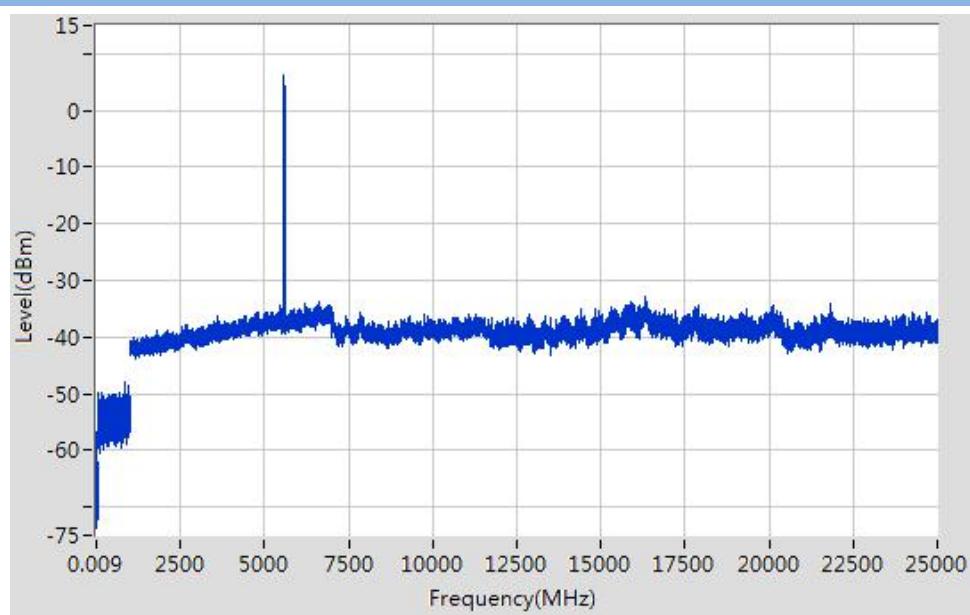
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band III 11a CH116

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.033	-63.09	6	3	6	QP	44.17	68.20	24.03	Note 2	Pass
0.25	-56.64	6	3	6	QP	50.62	68.20	17.58	Note 2	Pass
824.482	-47.85	4.7	3	6	QP	58.11	68.20	10.09	Note 2	Pass
5585.917	6.1	0	3	6	PK	107.36	N/A	N/A	Note 1	N/A
	6.10		3	6	AV	107.36	N/A	N/A		N/A
6609.142	-33.75	0	3	6	PK	67.51	68.20	0.69	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
11053.538	-35.9	0	3	6	PK	65.36	74.00	8.64	--	Pass
	-48.65		3	6	AV	52.61	54.00	1.39		Pass
16299.346	-35.82	0	3	6	PK	65.44	68.20	2.76	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band III 11a CH116, SPURIOUS 9 KHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna ism 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

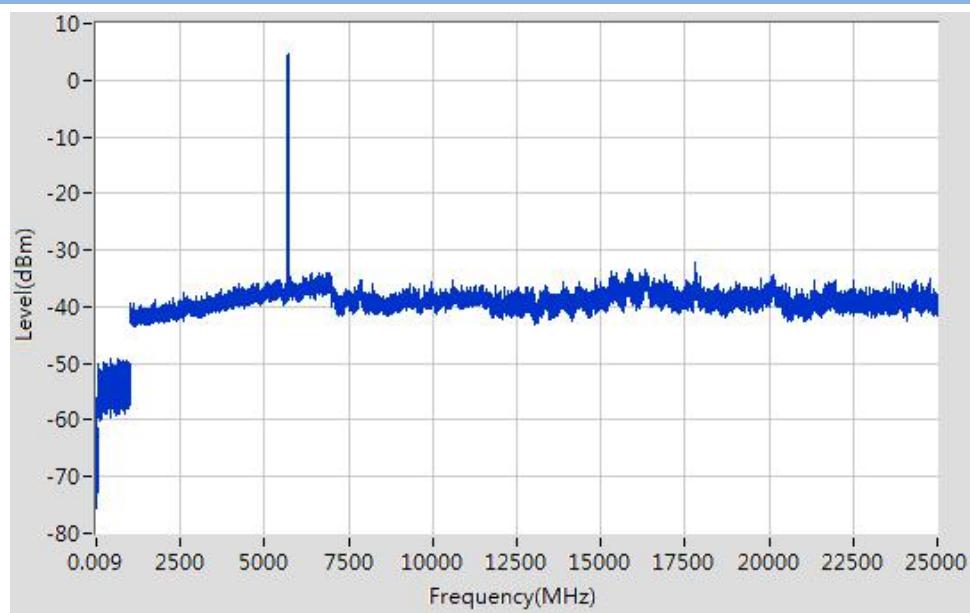
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band III 11a CH140

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.033	-62.69	6	3	6	QP	44.57	68.20	23.63	Note 2	Pass
0.35	-56.05	6	3	6	QP	51.21	68.20	16.99	Note 2	Pass
437.642	-49.08	4.7	3	6	QP	56.88	68.20	11.32	Note 2	Pass
5693.939	4.62	0	3	6	PK	105.88	N/A	N/A	Note 1	N/A
	4.62		3	6	AV	105.88	N/A	N/A		N/A
6602.14	-33.91	0	3	6	PK	67.35	68.20	0.85	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
10616.226	-35.3	0	3	6	PK	65.96	74.00	8.04	--	Pass
	-49.54		3	6	AV	51.72	54.00	2.28		Pass
17783.457	-32.29	0	3	6	PK	68.97	74.00	5.03	--	Pass
	-50.21		3	6	AV	51.05	54.00	2.95		N/A

Test Plots

Band III 11a CH140, SPURIOUS 9 KHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

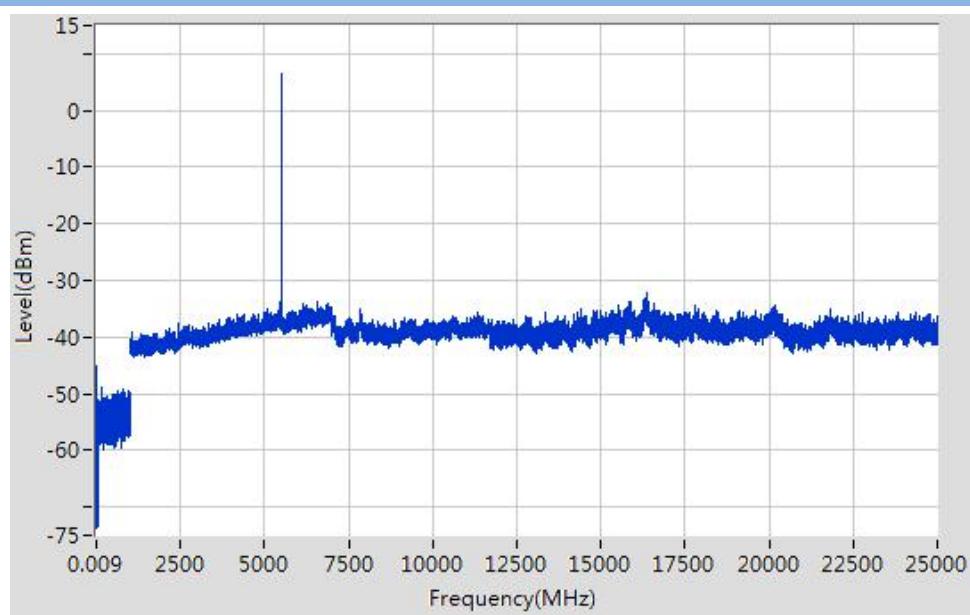
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band III 11 n (HT20) CH100

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.034	-45.08	6	3	6	QP	62.18	68.20	6.02	Note 2	Pass
0.24	-56.98	6	3	6	QP	50.28	68.20	17.92	Note 2	Pass
181.116	-48.81	4.7	3	6	QP	57.15	68.20	11.05	Note 2	Pass
5506.901	6.51	0	3	6	PK	107.77	N/A	N/A	Note 1	N/A
	6.51		3	6	AV	107.77	N/A	N/A		N/A
6584.136	-33.84	0	3	6	PK	67.42	68.20	0.78	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A		Pass
11309.721	-35.67	0	3	6	PK	65.59	74.00	8.41	--	Pass
	-51.29		3	6	AV	49.97	54.00	4.03		Pass
16359.35	-34.19	0	3	6	PK	67.07	68.20	1.13	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A		N/A

Test Plots

Band III 11 n (HT20) CH100, SPURIOUS 9 KHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

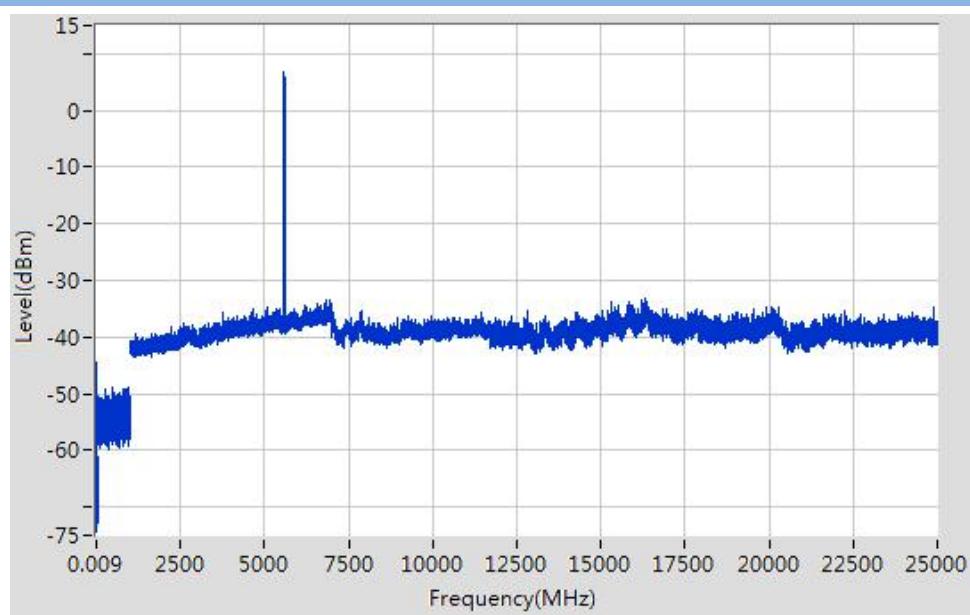
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band III 11 n (HT20) CH116

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.033	-44.48	6	3	6	QP	62.78	68.20	5.42	Note 2	Pass
0.15	-55.13	6	3	6	QP	52.13	68.20	16.07	Note 2	Pass
471.746	-48.82	4.7	3	6	QP	57.14	68.20	11.06	Note 2	Pass
5586.917	6.83	0	3	6	PK	108.09	N/A	N/A	Note 1	N/A
	6.83		3	6	AV	108.09	N/A	N/A		N/A
6837.195	-33.31	0	3	6	PK	67.95	68.20	0.25	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
11458.828	-35.73	0	3	6	PK	65.53	74.00	8.47	--	Pass
	-49.58		3	6	AV	51.68	54.00	2.32		Pass
16327.348	-33.22	0	3	6	PK	68.04	68.20	0.16	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band III 11 n (HT20) CH116, SPURIOUS 9 KHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

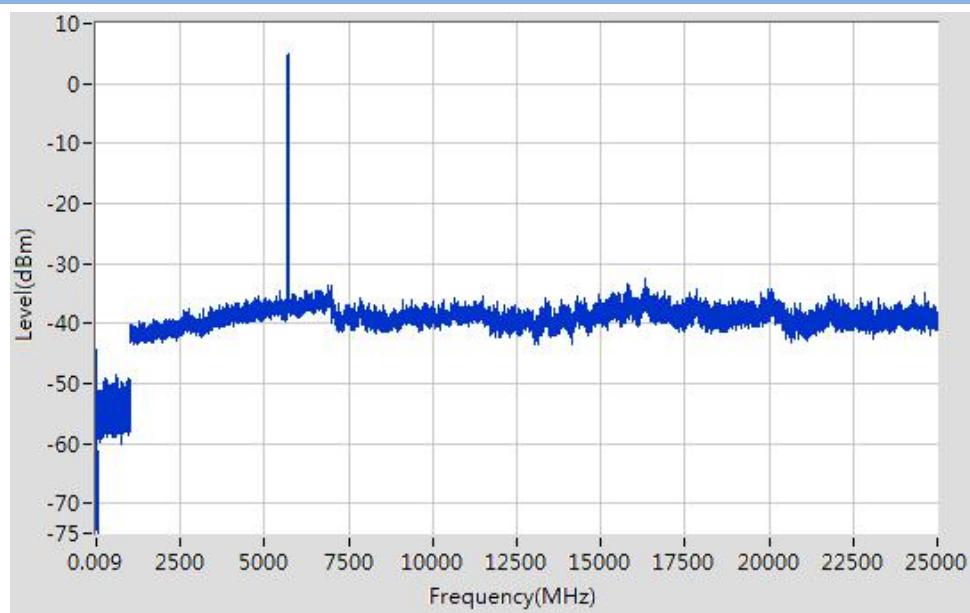
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band III 11 n (HT20) CH140

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.034	-44.51	6	3	6	QP	62.75	68.20	5.45	Note 2	Pass
0.17	-53.76	6	3	6	QP	53.50	68.20	14.70	Note 2	Pass
570.756	-48.66	4.7	3	6	QP	57.30	68.20	10.90	Note 2	Pass
5694.939	4.87	0	3	6	PK	106.13	N/A	N/A	Note 1	N/A
	4.87		3	6	AV	106.13	N/A	N/A		N/A
6872.203	-33.6	0	3	6	PK	67.66	68.20	0.54	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A		N/A
11475.84	-35.41	0	3	6	PK	65.85	74.00	8.15	--	Pass
	-48.57		3	6	AV	52.69	54.00	1.31		Pass
16312.347	-34.64	0	3	6	PK	66.62	68.20	1.58	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A		N/A

Test Plots

Band III 11 n (HT20) CH140, SPURIOUS 9 KHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

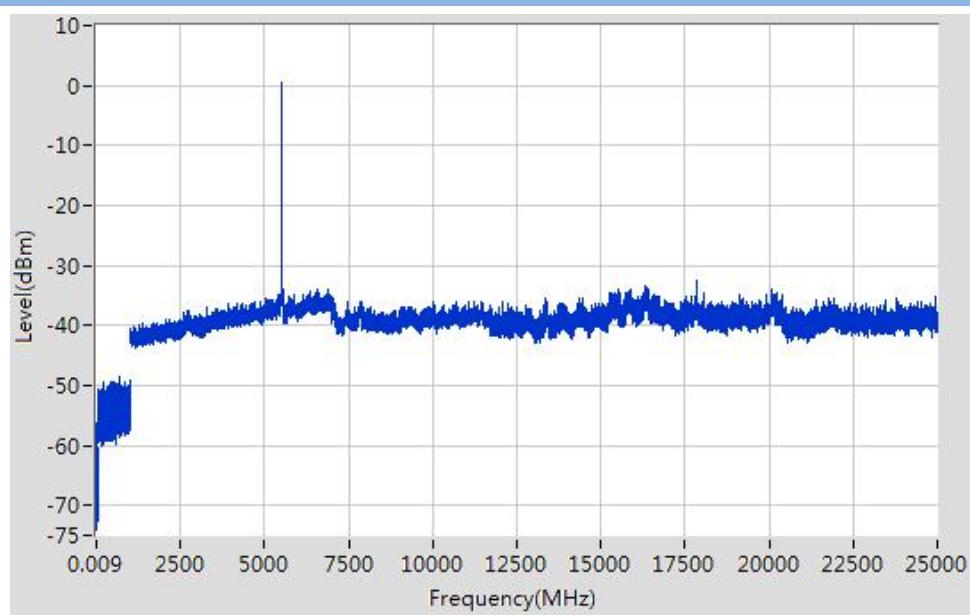
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band III 11 n (HT40) CH102

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.011	-62.9	6	3	6	QP	44.36	68.20	23.84	Note 2	Pass
0.15	-56.37	6	3	6	QP	50.89	68.20	17.31	Note 2	Pass
713.971	-48.43	4.7	3	6	QP	57.53	68.20	10.67	Note 2	Pass
5525.905	0.52	0	3	6	PK	101.78	N/A	N/A	Note 1	N/A
	0.52		3	6	AV	101.78	N/A	N/A		N/A
6910.212	-33.96	0	3	6	PK	67.30	68.20	0.90	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
11238.67	-35.99	0	3	6	PK	65.27	74.00	8.73	--	Pass
	-50.29		3	6	AV	50.97	54.00	3.03		Pass
17853.463	-32.39	0	3	6	PK	68.87	74.00	5.13	--	Pass
	-51.67		3	6	AV	49.59	54.00	4.41		Pass

Test Plots

Band III 11 n (HT40) CH102, SPURIOUS 9 KHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

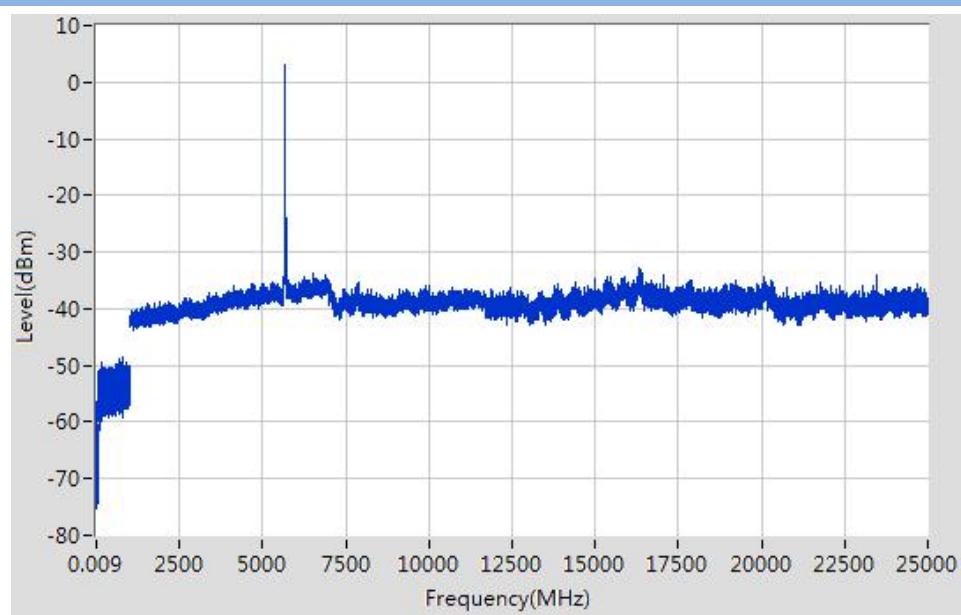
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band III 11n (HT40) CH134

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.011	-64.62	6	3	6	QP	42.64	68.20	25.56	Note 2	Pass
0.25	-56.54	6	3	6	QP	50.72	68.20	17.48	Note 2	Pass
784.078	-48.57	4.7	3	6	QP	57.39	68.20	10.81	Note 2	Pass
5672.935	3.04	0	3	6	PK	104.30	N/A	N/A	Note 1	N/A
	3.04		3	6	AV	104.30	N/A	N/A		N/A
6526.122	-33.84	0	3	6	PK	67.42	68.20	0.78	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A		N/A
10703.288	-36.3	0	3	6	PK	64.96	74.00	9.04	--	Pass
	-52.47		3	6	AV	48.79	54.00	5.21		Pass
16315.347	-33.85	0	3	6	PK	67.41	68.20	0.79	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A		N/A

Test Plots

Band III 11 n (HT40) CH134, SPURIOUS 9 KHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

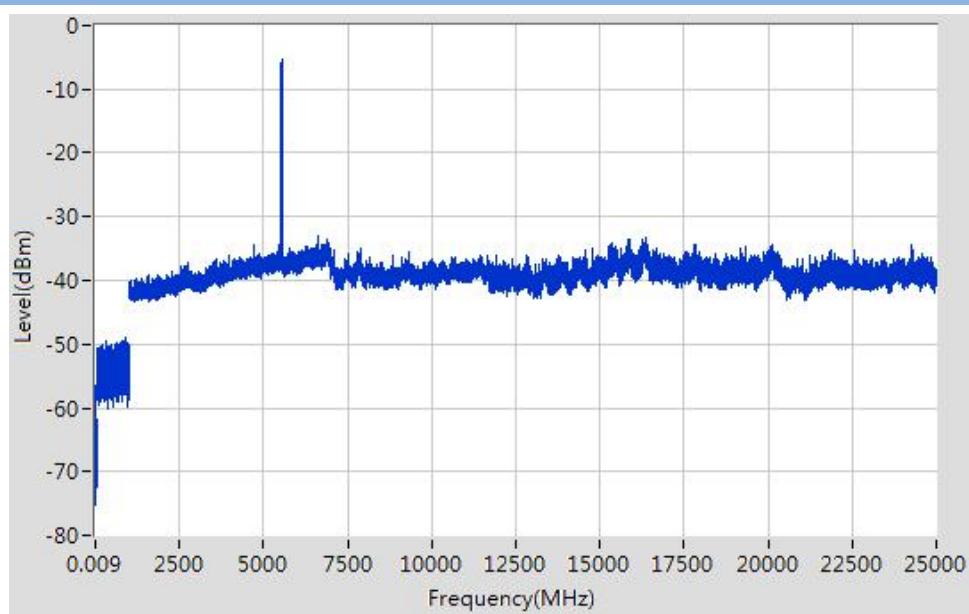
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band III 11ac(HT80) CH106

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.011	-65.2	6	3	6	QP	42.06	68.20	26.14	Note 2	Pass
0.17	-56.64	6	3	6	QP	50.62	68.20	17.58	Note 2	Pass
908.991	-49.08	4.7	3	6	QP	56.88	68.20	11.32	Note 2	Pass
5539.908	-5.31	0	3	6	PK	95.95	N/A	N/A	Note 1	N/A
	-5.31		3	6	AV	95.95	N/A	N/A		N/A
6633.147	-35.04	0	3	6	PK	66.22	68.20	1.98	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A		Pass
11663.974	-36.07	0	3	6	PK	65.19	74.00	8.81	--	Pass
	-53.67		3	6	AV	47.59	54.00	6.41		Pass
16347.349	-33.32	0	3	6	PK	67.94	68.20	0.26	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A		N/A

Test Plots

Band III 11ac(HT80) CH106, SPURIOUS 9 KHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

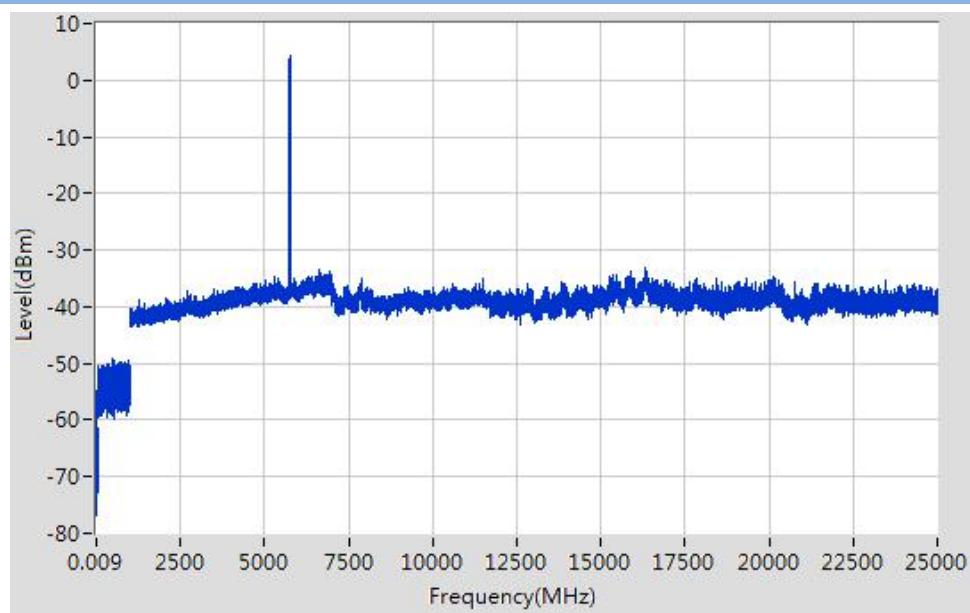
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band IV 11a CH149

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.034	-62.29	6	3	6	QP	44.97	68.20	23.23	Note 2	Pass
0.21	-54.75	6	3	6	QP	52.51	68.20	15.69	Note 2	Pass
483.847	-49.04	4.7	3	6	QP	56.92	68.20	11.28	Note 2	Pass
5751.95	4.2	0	3	6	PK	105.46	N/A	N/A	Note 1	N/A
	4.20		3	6	AV	105.46	N/A	N/A		N/A
6627.146	-33.55	0	3	6	PK	67.71	68.20	0.49	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
11493.853	-35.1	0	3	6	PK	66.16	74.00	7.84	--	Pass
	-51.46		3	6	AV	49.80	54.00	4.20		Pass
16304.346	-33.22	0	3	6	PK	68.04	68.20	0.16	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band IV 11a CH149, SPURIOUS 9 KHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

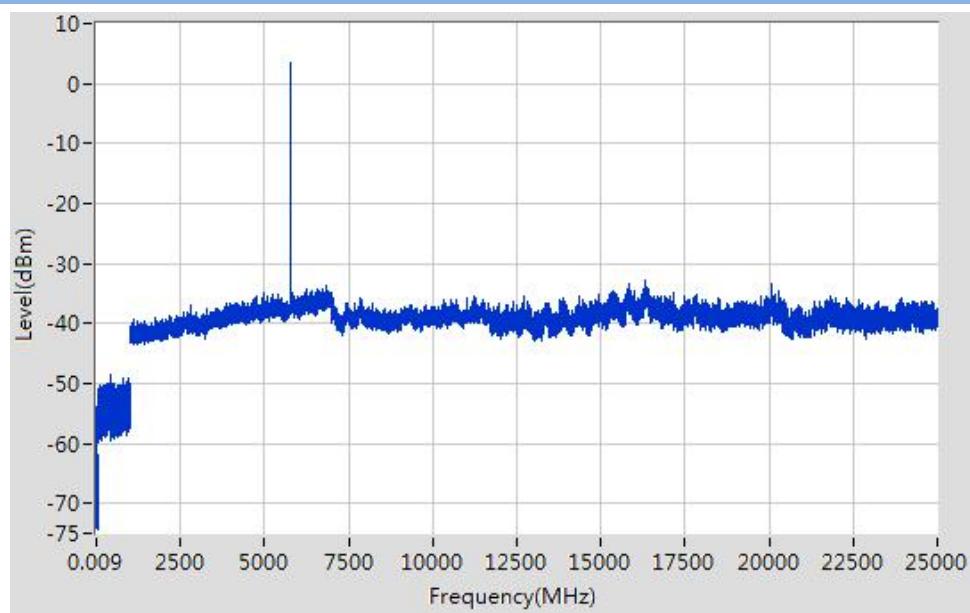
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band IV 11a CH157

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.033	-53.87	6	3	6	QP	53.39	68.20	14.81	Note 2	Pass
0.18	-56.72	6	3	6	QP	50.54	68.20	17.66	Note 2	Pass
399.038	-48.61	4.7	3	6	QP	57.35	68.20	10.85	Note 2	Pass
5778.956	3.45	0	3	6	PK	104.71	N/A	N/A	Note 1	N/A
	3.45		3	6	AV	104.71	N/A	N/A		N/A
6858.2	-33.74	0	3	6	PK	67.52	68.20	0.68	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A		Pass
11254.682	-35.6	0	3	6	PK	65.66	74.00	8.34	--	Pass
	-53.82		3	6	AV	47.44	54.00	6.56		Pass
16320.347	-34.84	0	3	6	PK	66.42	68.20	1.78	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A		N/A

Test Plots

Band IV 11a CH157, SPURIOUS 9 KHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

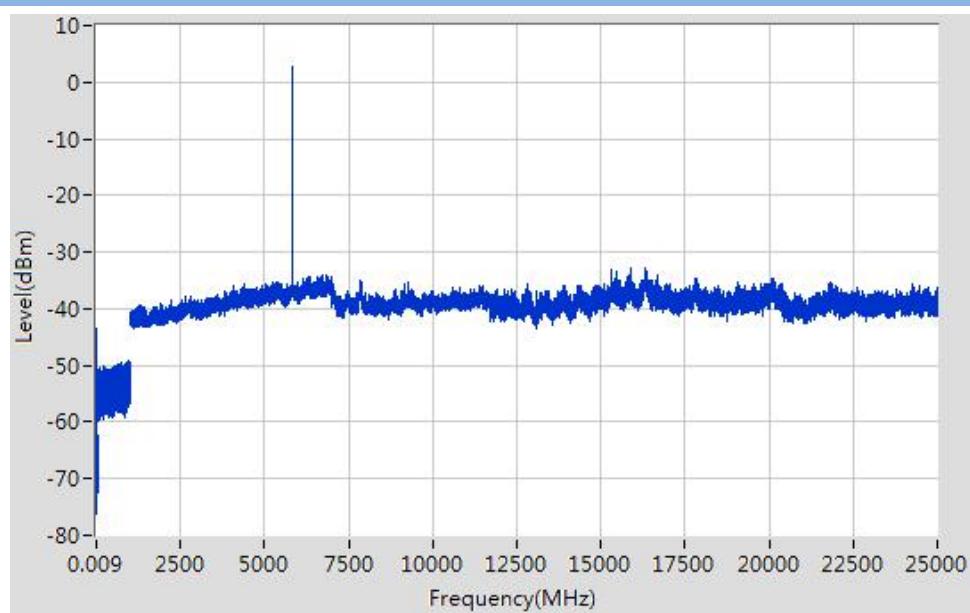
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band IV 11a CH165

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.034	-43.49	6	3	6	QP	63.77	68.20	4.43	Note 2	Pass
0.15	-53.45	6	3	6	QP	53.81	68.20	14.39	Note 2	Pass
934.993	-49.24	4.7	3	6	QP	56.72	68.20	11.48	Note 2	Pass
5829.966	2.69	0	3	6	PK	103.95	N/A	N/A	Note 1	N/A
	2.69		3	6	AV	103.95	N/A	N/A		N/A
6702.163	-33.94	0	3	6	PK	67.32	68.20	0.88	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
11383.774	-36.03	0	3	6	PK	65.23	74.00	8.77	--	Pass
	-51.64		3	6	AV	49.62	54.00	4.38		Pass
16334.348	-34.75	0	3	6	PK	66.51	68.20	1.69	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band IV 11a CH165, SPURIOUS 9 KHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

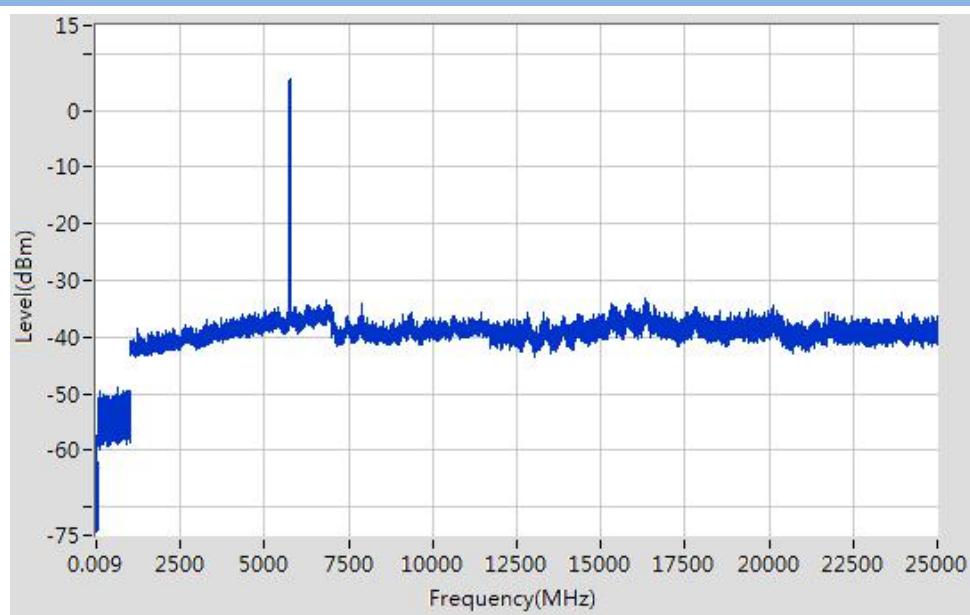
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band IV 11 n (HT20) CH149

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.009	-64.66	6	3	6	QP	42.60	68.20	25.60	Note 2	Pass
0.46	-57.37	6	3	6	QP	49.89	68.20	18.31	Note 2	Pass
617.861	-48.86	4.7	3	6	QP	57.10	68.20	11.10	Note 2	Pass
5751.95	5.56	0	3	6	PK	106.82	N/A	N/A	Note 1	N/A
	5.56		3	6	AV	106.82	N/A	N/A		N/A
6852.198	-33.44	0	3	6	PK	67.82	68.20	0.38	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A		Pass
11446.819	-35.73	0	3	6	PK	65.53	74.00	8.47	--	Pass
	-51.27		3	6	AV	49.99	54.00	4.01		Pass
16304.346	-33.27	0	3	6	PK	67.99	68.20	0.21	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A		N/A

Test Plots

Band IV 11 n (HT20) CH149, SPURIOUS 9 KHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

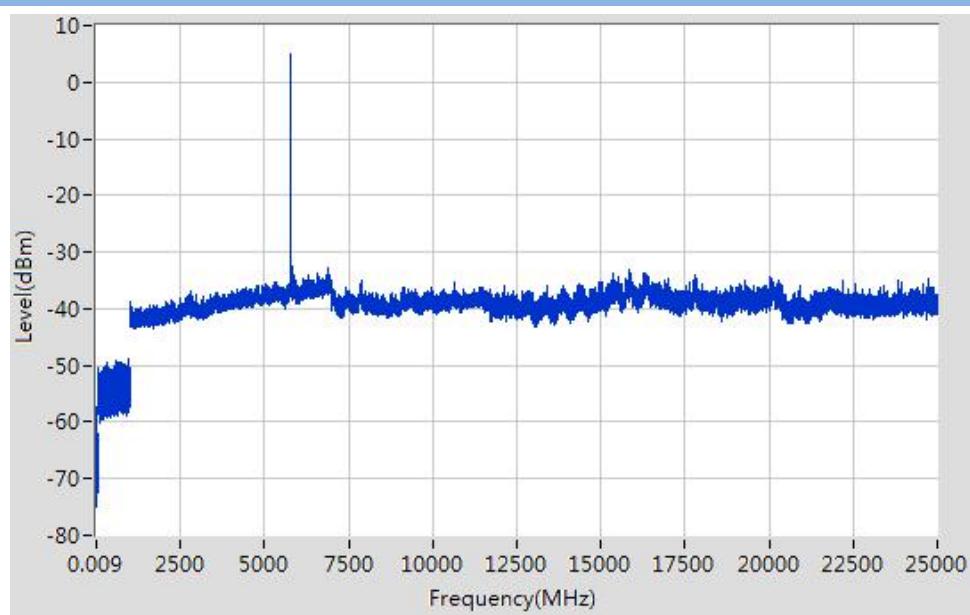
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band IV 11 n (HT20) CH157

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.01	-65.32	6	3	6	QP	41.94	68.20	26.26	Note 2	Pass
0.16	-57.29	6	3	6	QP	49.97	68.20	18.23	Note 2	Pass
949.595	-48.72	4.7	3	6	QP	57.24	68.20	10.96	Note 2	Pass
5779.956	4.92	0	3	6	PK	106.18	N/A	N/A	Note 1	N/A
	4.92		3	6	AV	106.18	N/A	N/A		N/A
6908.211	-34.95	0	3	6	PK	66.31	68.20	1.89	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
10659.257	-35.39	0	3	6	PK	65.87	74.00	8.13	--	Pass
	-50.23		3	6	AV	51.03	54.00	2.97		Pass
15851.312	-33.05	0	3	6	PK	68.21	74.00	5.79	--	Pass
	-50.94		3	6	AV	50.32	54.00	3.68		Pass

Test Plots

Band IV 11 n (HT20) CH157, SPURIOUS 9 KHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

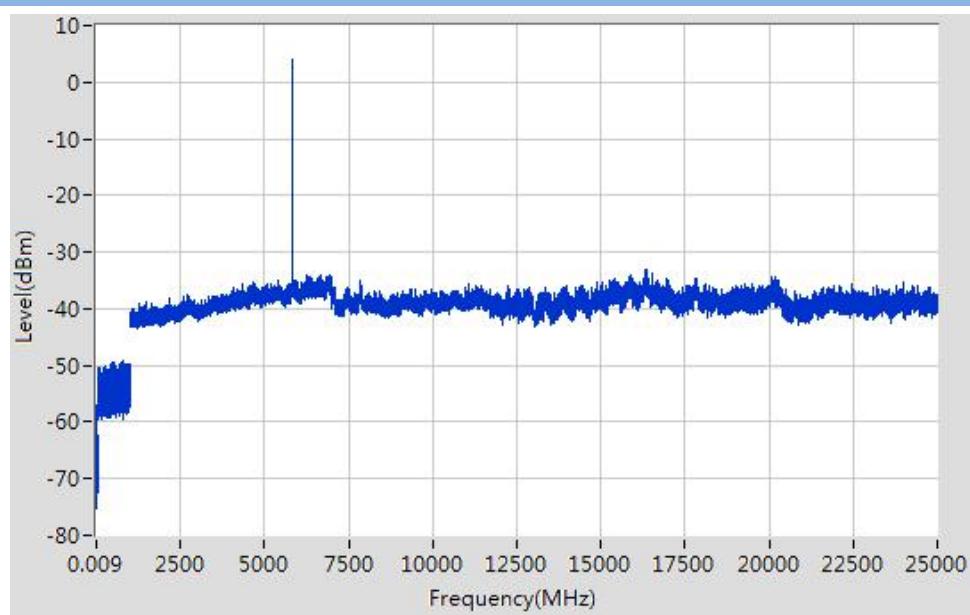
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band IV 11 n (HT20) CH165

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.011	-64.57	6	3	6	QP	42.69	68.20	25.51	Note 2	Pass
0.26	-57.03	6	3	6	QP	50.23	68.20	17.97	Note 2	Pass
774.777	-49.23	4.7	3	6	QP	56.73	68.20	11.47	Note 2	Pass
5831.966	4.16	0	3	6	PK	105.42	N/A	N/A	Note 1	N/A
	4.16		3	6	AV	105.42	N/A	N/A		N/A
6914.213	-33.9	0	3	6	PK	67.36	68.20	0.84	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
11056.54	-35.65	0	3	6	PK	65.61	74.00	8.39	--	Pass
	-51.27		3	6	AV	49.99	54.00	4.01		Pass
16333.348	-33.08	0	3	6	PK	68.18	68.20	0.02	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band IV 11 n (HT20) CH165, SPURIOUS 9 KHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

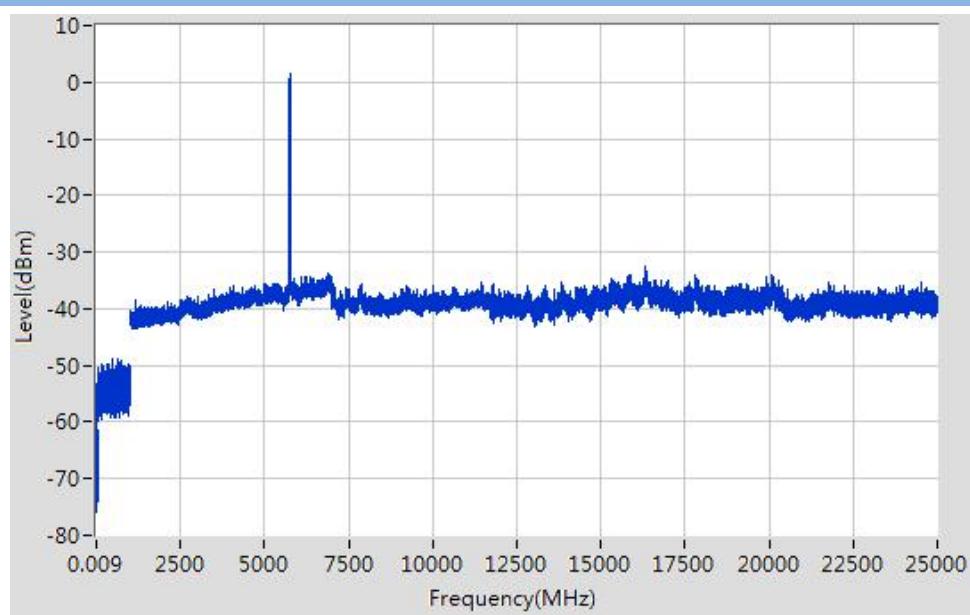
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band IV 11 n (HT40) CH151

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.01	-65.83	6	3	6	QP	41.43	68.20	26.77	Note 2	Pass
0.15	-53.4	6	3	6	QP	53.86	68.20	14.34	Note 2	Pass
459.544	-48.82	4.7	3	6	QP	57.14	68.20	11.06	Note 2	Pass
5770.954	1.4	0	3	6	PK	102.66	N/A	N/A	Note 1	N/A
	1.40		3	6	AV	102.66	N/A	N/A		N/A
6863.201	-33.78	0	3	6	PK	67.48	68.20	0.72	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
11429.807	-35.23	0	3	6	PK	66.03	74.00	7.97	--	Pass
	-51.83		3	6	AV	49.43	54.00	4.57		Pass
16330.348	-33.38	0	3	6	PK	67.88	68.20	0.32	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band IV 11 n (HT40) CH151, SPURIOUS 9 KHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

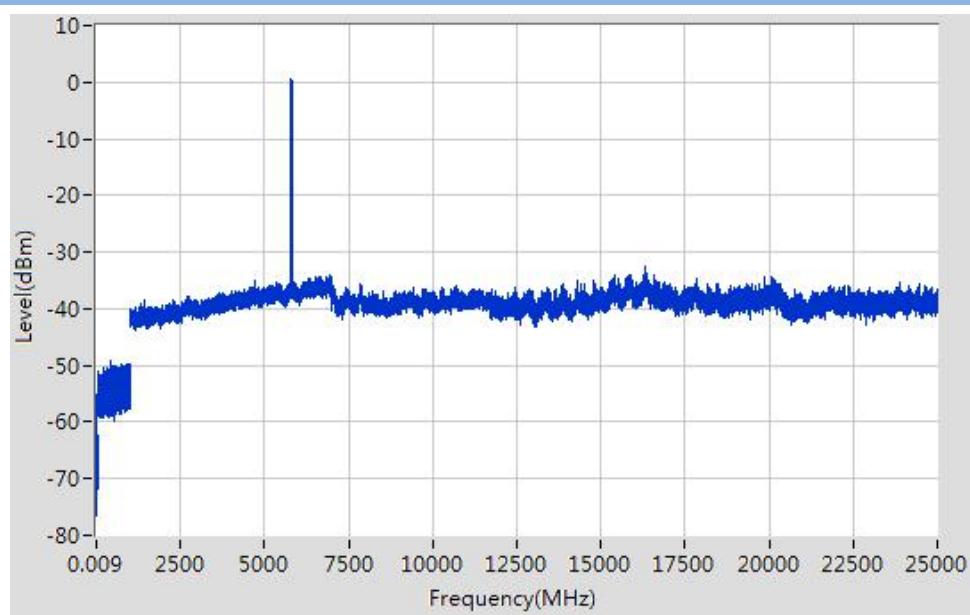
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band IV 11n (HT40) CH159

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.009	-65.77	6	3	6	QP	41.49	68.20	26.71	Note 2	Pass
0.35	-55.13	6	3	6	QP	52.13	68.20	16.07	Note 2	Pass
402.838	-63.07	4.7	3	6	QP	42.89	46.00	3.11	--	Pass
5792.959	0.65	0	3	6	PK	101.91	N/A	N/A	Note 1	N/A
	0.65		3	6	AV	101.91	N/A	N/A		N/A
6943.219	-34.12	0	3	6	PK	67.14	68.20	1.06	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A		N/A
10683.274	-36.09	0	3	6	PK	65.17	74.00	8.83	--	Pass
	-53.28		3	6	AV	47.98	54.00	6.02		Pass
16309.347	-33.36	0	3	6	PK	67.90	68.20	0.30	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A		N/A

Test Plots

Band IV 11 n (HT40) CH159, SPURIOUS 9 KHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

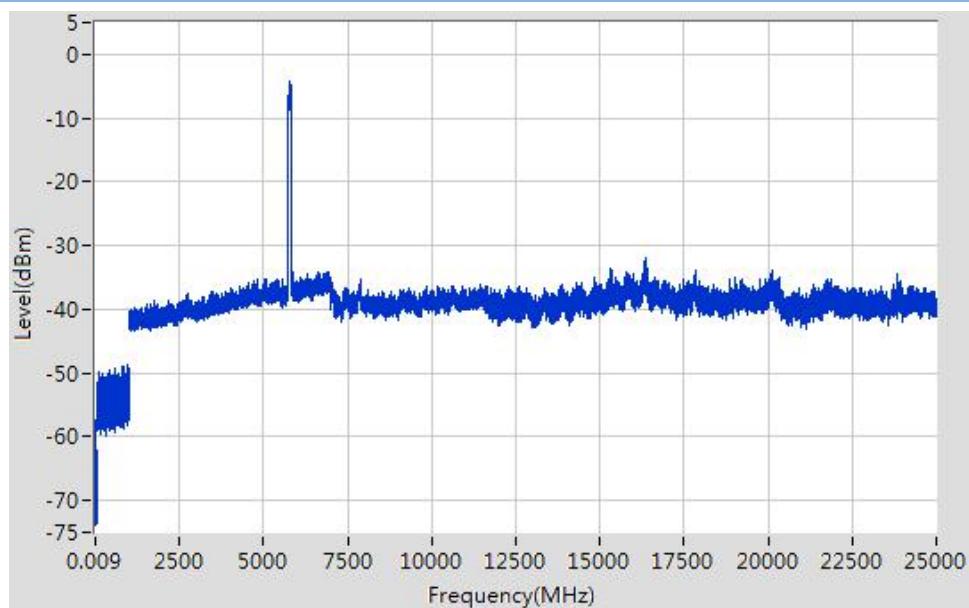
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band IV 11ac(HT80) CH155

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.011	-64.8	6	3	6	QP	42.46	68.20	25.74	Note 2	Pass
0.4	-57.38	6	3	6	QP	49.88	68.20	18.32	Note 2	Pass
975.197	-48.7	4.7	3	6	QP	57.26	74.00	16.74	--	Pass
5783.957	-4.19	0	3	6	PK	97.07	N/A	N/A	Note 1	N/A
	-4.19		3	6	AV	97.07	N/A	N/A		N/A
6937.218	-34.03	0	3	6	PK	67.23	68.20	0.97	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A		N/A
11458.828	-36.01	0	3	6	PK	65.25	74.00	8.75	--	Pass
	-54.83		3	6	AV	46.43	54.00	7.57		Pass
16364.351	-33.92	0	3	6	PK	67.34	68.20	0.86	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A		N/A

Test Plots

Band IV 11ac(HT80) CH155, SPURIOUS 9 KHz to 25 GHz



ANT 1

Note: Only noise floor was seen of the Below 30 MHz.

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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

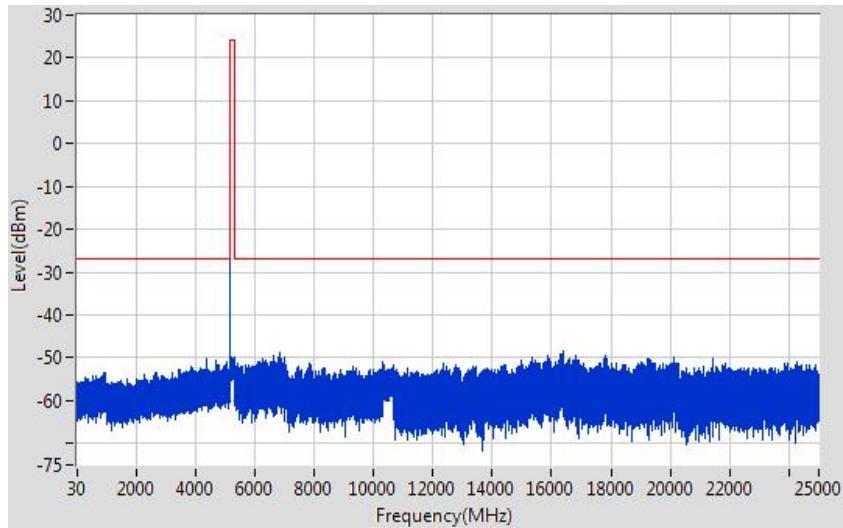
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band I 11a CH36

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.011	-71.9	6	3	6	QP	35.36	68.20	32.84	Note 2	Pass
0.3	-61.65	6	3	6	QP	45.61	68.20	22.59	Note 2	Pass
973.597	-52.99	4.7	3	6	QP	52.97	74.00	21.03	--	Pass
5174.835	6.57	0	3	6	PK	107.83	N/A	N/A	Note 1	N/A
	6.57		3	6	AV	107.83	N/A	N/A		N/A
6904.21	-39.02	0	3	6	PK	62.24	68.20	5.96	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
11437.813	-40.44	0	3	6	PK	60.82	74.00	13.18	--	Pass
	-47.63		3	6	AV	53.63	54.00	0.37		Pass
16331.348	-37.97	0	3	6	PK	63.29	68.20	4.91	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band I 11a CH36, SPURIOUS 30 MHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

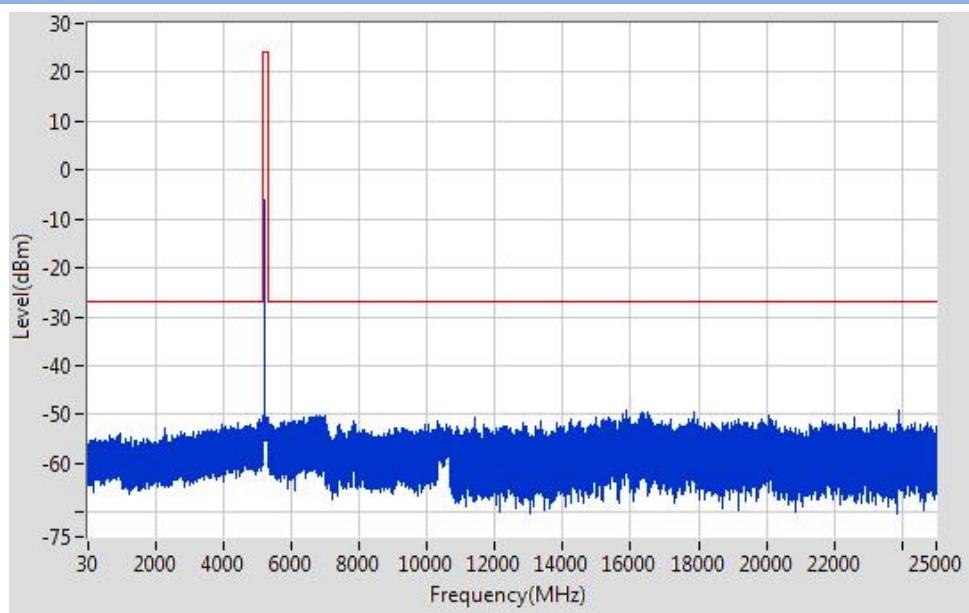
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band I 11a CH44

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.009	-72.64	6	3	6	QP	34.62	68.20	33.58	Note 2	Pass
0.19	-61.99	6	3	6	QP	45.27	68.20	22.93	Note 2	Pass
582.357	-53.89	4.7	3	6	QP	52.07	68.20	16.13	Note 2	Pass
5213.843	2.25	0	3	6	PK	103.51	N/A	N/A	Note 1	N/A
	2.25		3	6	AV	103.51	N/A	N/A		N/A
6626.146	-39.15	0	3	6	PK	62.11	68.20	6.09	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
10623.231	-40.78	0	3	6	PK	60.48	74.00	13.52	--	Pass
	-53.24		3	6	AV	48.02	54.00	5.98		Pass
16345.349	-37.72	0	3	6	PK	63.54	68.20	4.66	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band I 11a CH44, SPURIOUS 30 MHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

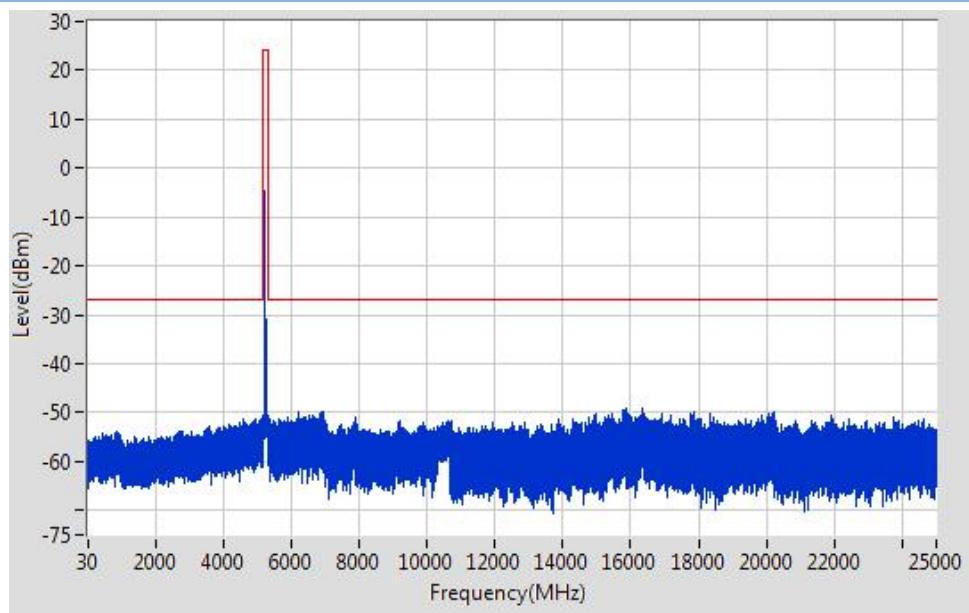
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band I 11a CH48

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.009	-71.74	6	3	6	QP	35.52	68.20	32.68	Note 2	Pass
0.25	-61.47	6	3	6	QP	45.79	68.20	22.41	Note 2	Pass
732.472	-53.89	4.7	3	6	QP	52.07	68.20	16.13	Note 2	Pass
5232.847	0.26	0	3	6	PK	101.52	N/A	N/A	Note 1	N/A
	0.26		3	6	AV	101.52	N/A	N/A		N/A
6856.199	-38.57	0	3	6	PK	62.69	68.20	5.51	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
10576.197	-40.72	0	3	6	PK	60.54	68.20	7.66	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A		N/A
15854.312	-38.14	0	3	6	PK	63.12	74.00	10.88	--	Pass
	-53.49		3	6	AV	47.77	54.00	6.23	--	Pass

Test Plots

Band I 11a CH48, SPURIOUS 30 MHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

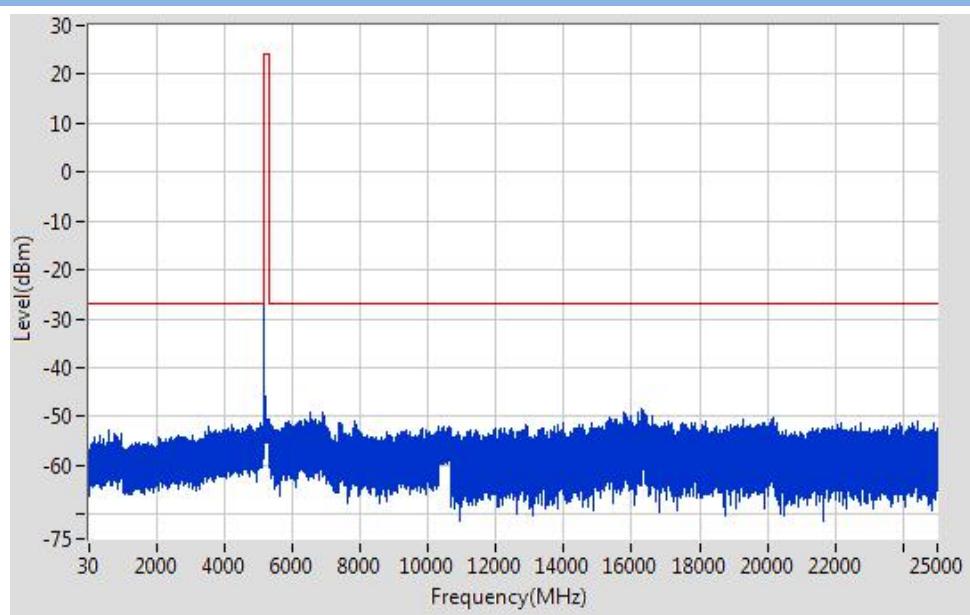
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band I 11 n (HT20) CH36

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.009	-70.43	6	3	6	QP	36.83	68.20	31.37	Note 2	Pass
0.17	-62.7	6	3	6	QP	44.56	68.20	23.64	Note 2	Pass
782.778	-53.25	4.7	3	6	QP	52.71	68.20	15.49	Note 2	Pass
5173.835	7.14	0	3	6	PK	108.40	N/A	N/A	Note 1	N/A
	7.14		3	6	AV	108.40	N/A	N/A		N/A
6893.208	-38.53	0	3	6	PK	62.73	68.20	5.47	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
10982.487	-40.68	0	3	6	PK	60.58	74.00	13.42	--	Pass
	-53.21		3	6	AV	48.05	54.00	5.95	--	pass
16321.347	-38.19	0	3	6	PK	63.07	68.20	5.13	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band I 11 n (HT20) CH36, SPURIOUS 30 MHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

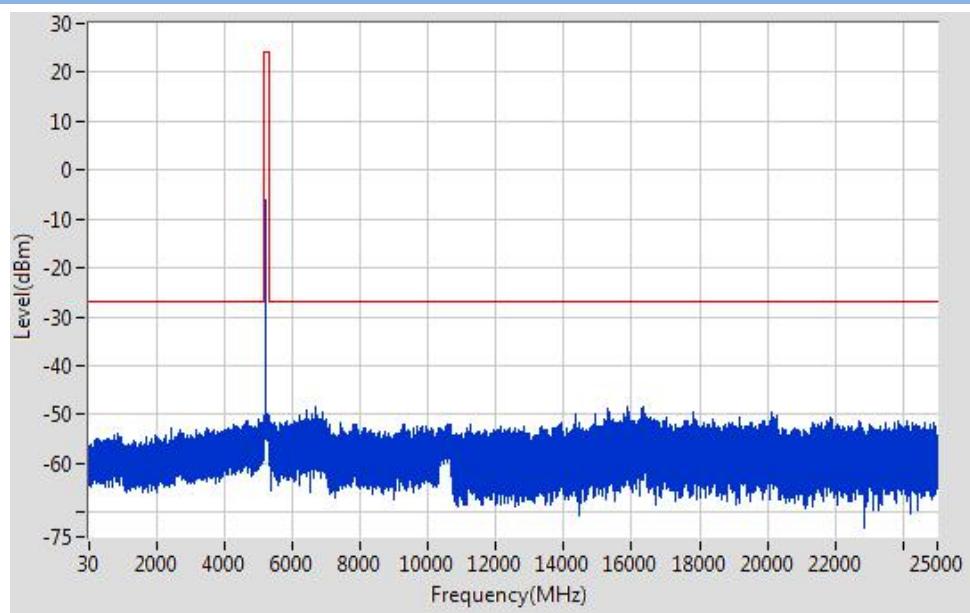
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band I 11 n (HT20) CH44

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.012	-72.05	6	3	6	QP	35.21	68.20	32.99	Note 2	Pass
0.21	-62.67	6	3	6	QP	44.59	68.20	23.61	Note 2	Pass
948.095	-53.65	4.7	3	6	QP	52.31	68.20	15.89	Note 2	Pass
5217.844	1.55	0	3	6	PK	102.81	N/A	N/A	Note 1	N/A
	1.55		3	6	AV	102.81	N/A	N/A		N/A
6924.215	-39.28	0	3	6	PK	61.98	68.20	6.22	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
11477.841	-40.66	0	3	6	PK	60.60	74.00	13.40	--	Pass
	-52.22		3	6	AV	49.04	54.00	4.96		Pass
16328.348	-37.42	0	3	6	PK	63.84	68.20	4.36	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band I 11 n (HT20) CH44, SPURIOUS 30 MHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

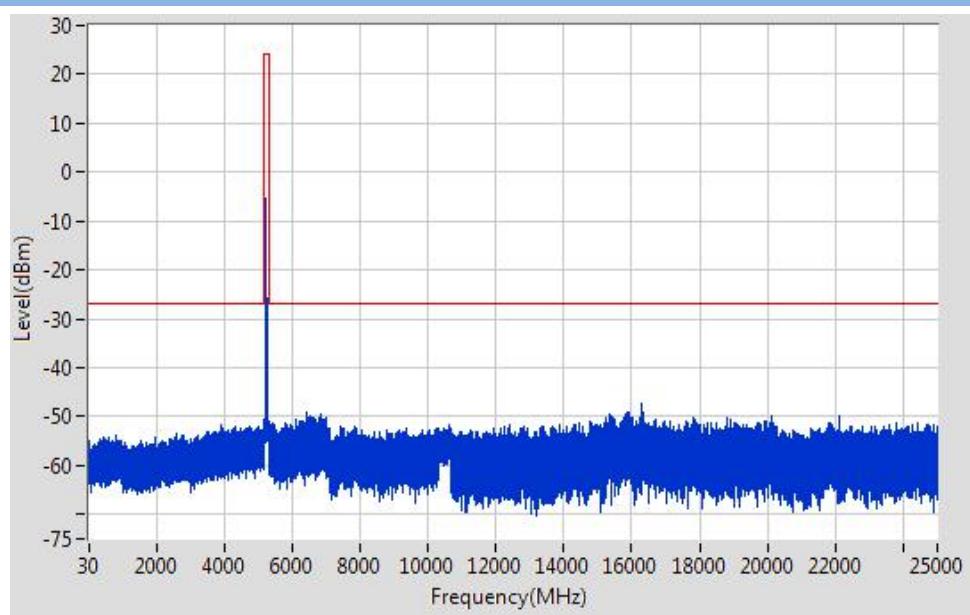
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band I 11 n (HT20) CH48

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.018	-72.23	6	3	6	QP	35.03	68.20	33.17	Note 2	Pass
0.23	-61.48	6	3	6	QP	45.78	68.20	22.42	Note 2	Pass
992.599	-53.71	4.7	3	6	QP	52.25	74.00	21.75	--	Pass
5233.847	1.38	0	3	6	PK	102.64	N/A	N/A	Note 1	N/A
	1.38		3	6	AV	102.64	N/A	N/A		N/A
6639.149	-38.4	0	3	6	PK	62.86	68.20	5.34	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
11391.78	-41.19	0	3	6	PK	60.07	74.00	13.93	--	Pass
	-53.64		3	6	AV	47.62	54.00	6.38		Pass
16281.344	-38.01	0	3	6	PK	63.25	68.20	4.95	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band I 11 n (HT20) CH48, SPURIOUS 30 MHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

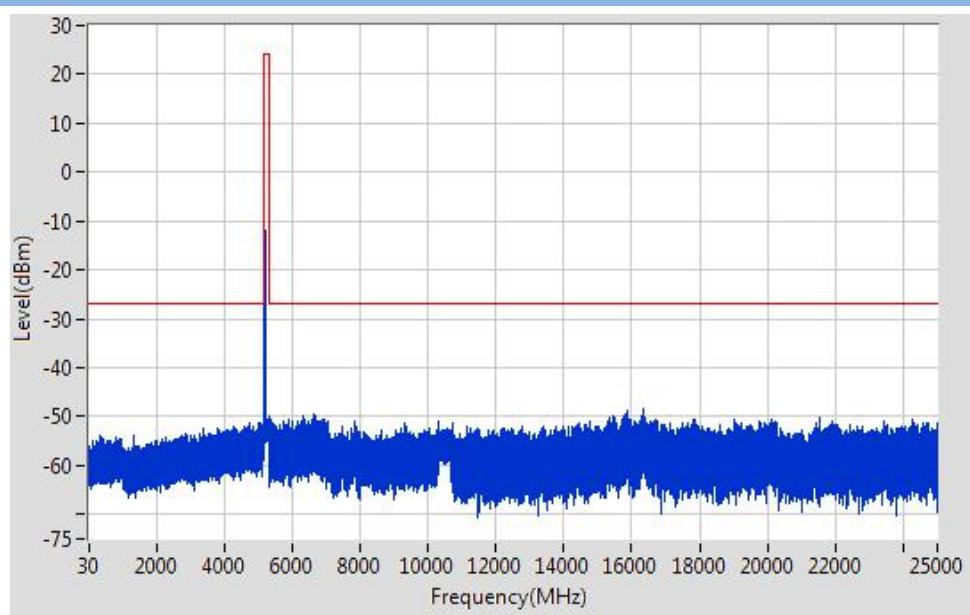
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band I 11 n (HT40) CH38

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.012	-72.37	6	3	6	QP	34.89	68.20	33.31	Note 2	Pass
0.27	-62.53	6	3	6	QP	44.73	68.20	23.47	Note 2	Pass
627.262	-52.38	4.7	3	6	QP	53.58	68.20	14.62	Note 2	Pass
5174.835	2.61	0	3	6	PK	103.87	N/A	N/A	Note 1	N/A
	2.61		3	6	AV	103.87	N/A	N/A		N/A
6965.224	-38.84	0	3	6	PK	62.42	68.20	5.78	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
10597.212	-40.58	0	3	6	PK	60.68	68.20	7.52	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A		N/A
16305.346	-38.23	0	3	6	PK	63.03	68.20	5.17	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band I 11 n (HT40) CH38, SPURIOUS 30 MHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

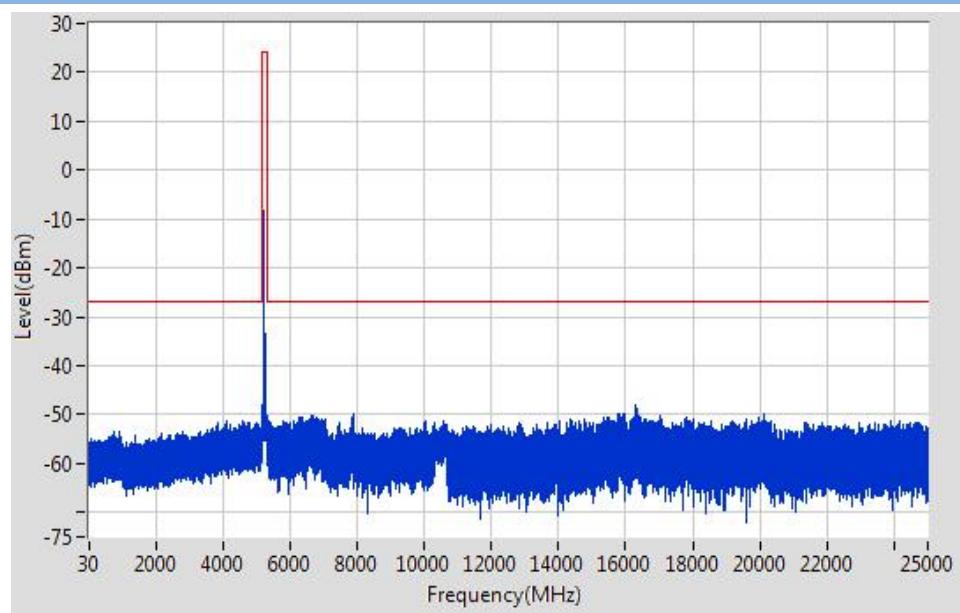
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band I 11n (HT40) CH46

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.011	-72.47	6	3	6	QP	34.79	68.20	33.41	Note 2	Pass
0.15	-60.19	6	3	6	QP	47.07	68.20	21.13	Note 2	Pass
986.499	-54.24	4.7	3	6	QP	51.72	74.00	22.28	--	Pass
5214.843	-0.88	0	3	6	PK	100.38	N/A	N/A	Note 1	N/A
	-0.88		3	6	AV	100.38	N/A	N/A		N/A
6670.156	-39.03	0	3	6	PK	62.23	68.20	5.97	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
11474.839	-40.78	0	3	6	PK	60.48	74.00	13.52	--	Pass
	-52.34		3	6	AV	48.92	54.00	5.08		Pass
16335.349	-37.49	0	3	6	PK	63.77	68.20	4.43	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band I 11 n (HT40) CH46, SPURIOUS 30 MHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

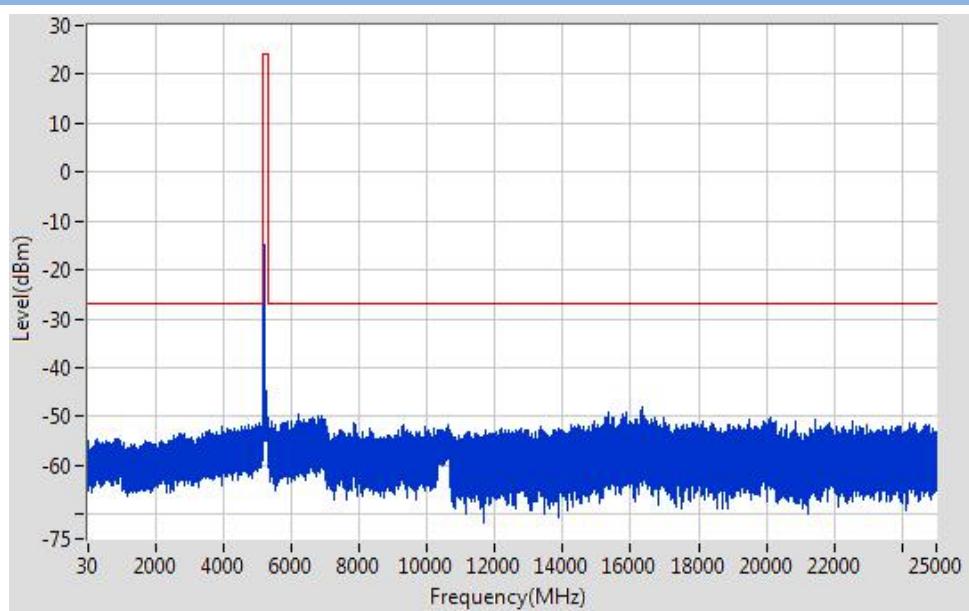
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band I 11ac(HT80) CH42

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.01	-72.5	6	3	6	QP	34.76	68.20	33.44	Note 2	Pass
0.19	-61.78	6	3	6	QP	45.48	68.20	22.72	Note 2	Pass
871.287	-52.71	4.7	3	6	QP	53.25	68.20	14.95	Note 2	Pass
5173.835	-7.92	0	3	6	PK	93.34	N/A	N/A	Note 1	N/A
	-7.92		3	6	AV	93.34	N/A	N/A		N/A
6636.148	-36.89	0	3	6	PK	64.37	68.20	3.83	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
11403.788	-40.96	0	3	6	PK	60.30	74.00	13.70	--	Pass
	-50.24		3	6	AV	51.02	54.00	2.98		Pass
16305.346	-37	0	3	6	PK	64.26	68.20	3.94	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band I 11ac(HT80) CH42, SPURIOUS 30 MHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

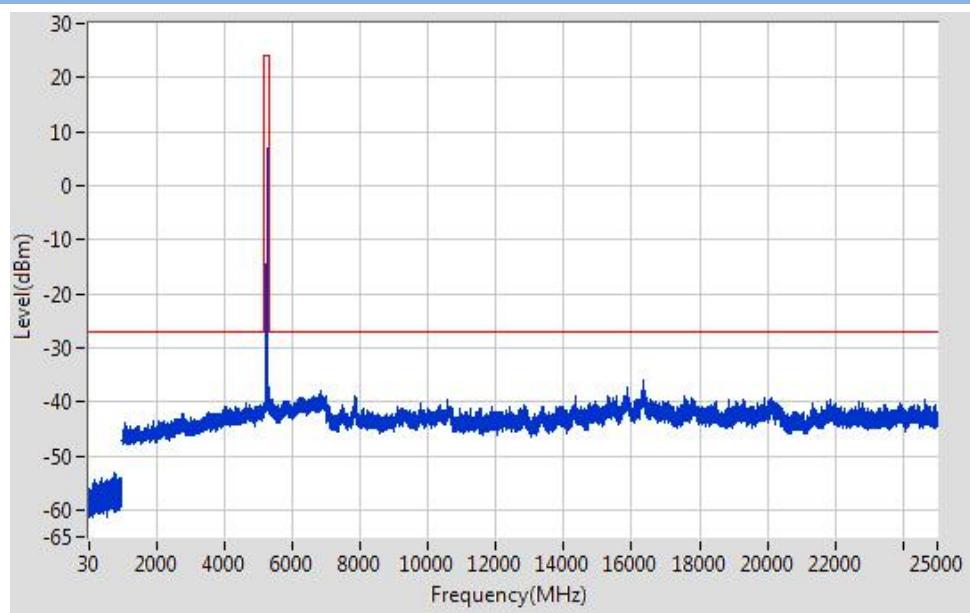
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band II 11a CH52

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.011	-72.27	6	3	6	QP	34.99	68.20	33.21	Note 2	Pass
0.2	-61.95	6	3	6	QP	45.31	68.20	22.89	Note 2	Pass
946.394	-53.64	4.7	3	6	QP	52.32	68.20	15.88	Note 2	Pass
5266.853	6.61	0	3	6	PK	107.87	N/A	N/A	Note 1	N/A
	6.61		3	6	AV	107.87	N/A	N/A		N/A
6925.215	-38.64	0	3	6	PK	62.62	68.20	5.58	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
11435.811	-40.78	0	3	6	PK	60.48	74.00	13.52	--	Pass
	-52.19		3	6	AV	49.07	54.00	4.93		Pass
16323.348	-37.33	0	3	6	PK	63.93	68.20	4.27	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band II 11a CH52, SPURIOUS 30 MHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

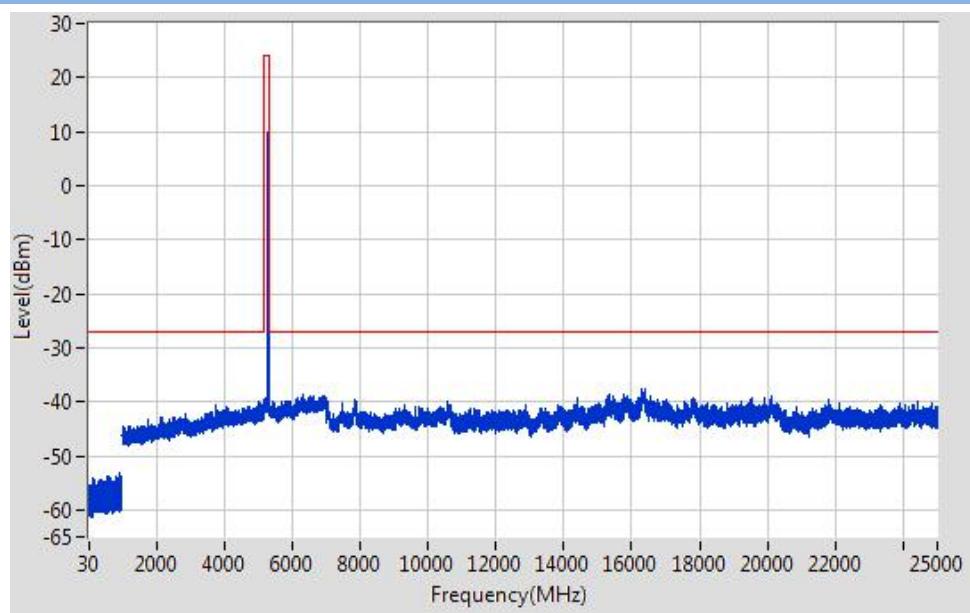
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band II 11a CH60

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.009	-72.3	6	3	6	QP	34.96	68.20	33.24	Note 2	Pass
0.18	-60.87	6	3	6	QP	46.39	68.20	21.81	Note 2	Pass
495.948	-53.58	4.7	3	6	QP	52.38	68.20	15.82	Note 2	Pass
5293.859	8.35	0	3	6	PK	109.61	N/A	N/A	Note 1	N/A
	8.35		3	6	AV	109.61	N/A	N/A		N/A
6512.119	-38.52	0	3	6	PK	62.74	68.20	5.46	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
10587.205	-40.27	0	3	6	PK	60.99	68.20	7.21	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A		-- Pass
16349.35	-37.72	0	3	6	PK	63.54	68.20	4.66	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band II 11a CH60, SPURIOUS 30 MHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

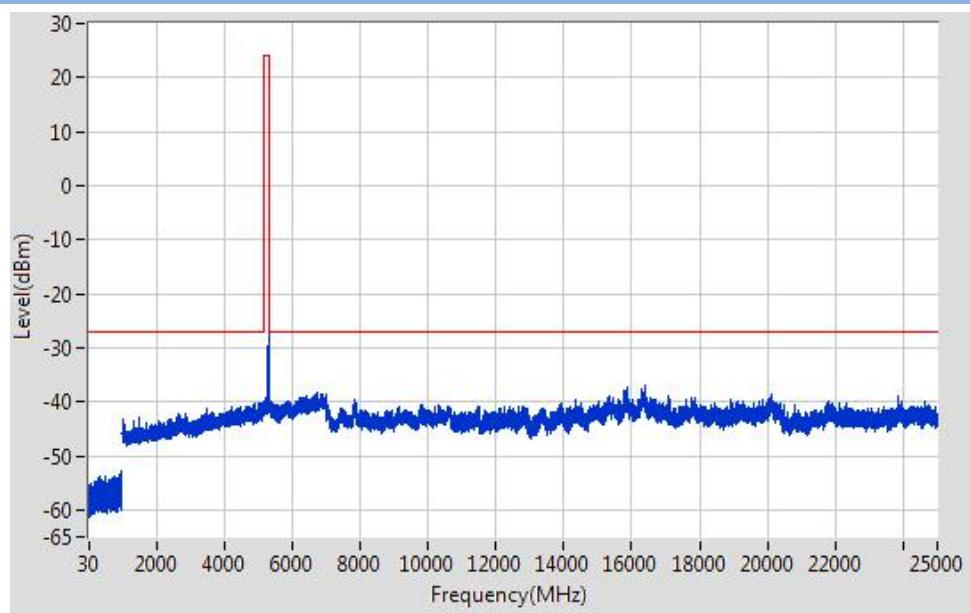
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band II 11a CH64

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.01	-70.73	6	3	6	QP	36.53	68.20	31.67	Note 2	Pass
0.19	-61.04	6	3	6	QP	46.22	68.20	21.98	Note 2	Pass
707.37	-53.43	4.7	3	6	QP	52.53	68.20	15.67	Note 2	Pass
5314.863	8.65	0	3	6	PK	109.91	N/A	N/A	Note 1	N/A
	8.65		3	6	AV	109.91	N/A	N/A		N/A
6640.149	-38.6	0	3	6	PK	62.66	68.20	5.54	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
10679.271	-40.78	0	3	6	PK	60.48	74.00	13.52	--	Pass
	-51.27		3	6	AV	49.99	54.00	4.01		Pass
16315.347	-37.28	0	3	6	PK	63.98	68.20	4.22	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band II 11a CH64, SPURIOUS 30 MHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

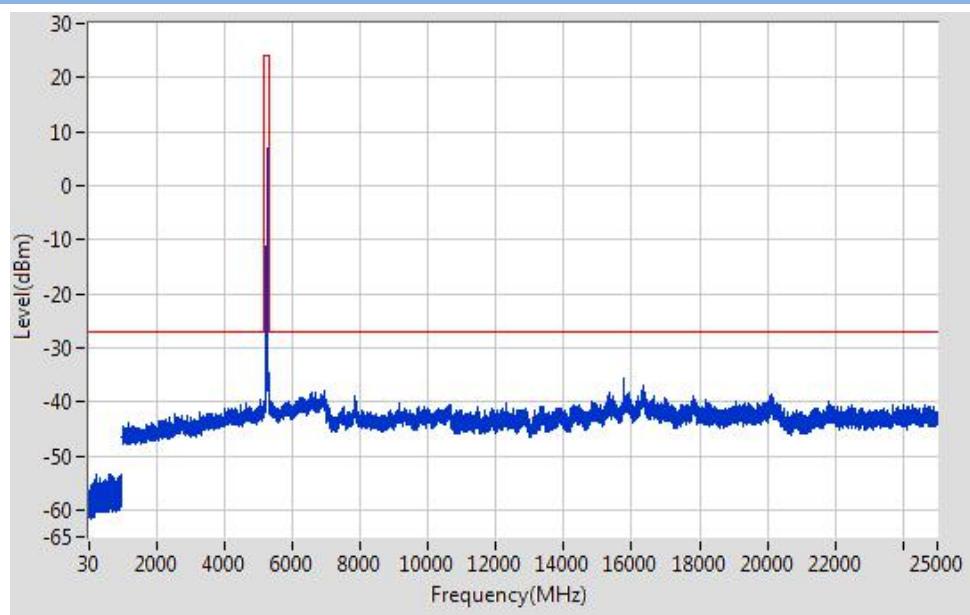
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band II 11 n (HT20) CH52

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.011	-72.39	6	3	6	QP	34.87	68.20	33.33	Note 2	Pass
0.16	-60.33	6	3	6	QP	46.93	68.20	21.27	Note 2	Pass
980.098	-53.45	4.7	3	6	QP	52.51	74.00	21.49	--	Pass
5267.854	6.68	0	3	6	PK	107.94	N/A	N/A	Note 1	N/A
	6.68		3	6	AV	107.94	N/A	N/A		N/A
6535.124	-38.07	0	3	6	PK	63.19	68.20	5.01	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
10630.236	-40.74	0	3	6	PK	60.52	74.00	13.48	--	Pass
	-51.49		3	6	AV	49.77	54.00	4.23		Pass
15782.307	-32.01	0	3	6	PK	69.25	74.00	4.75	--	Pass
	-54.63		3	6	AV	46.63	54.00	7.37		Pass

Test Plots

Band II 11 n (HT20) CH52, SPURIOUS 30 MHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

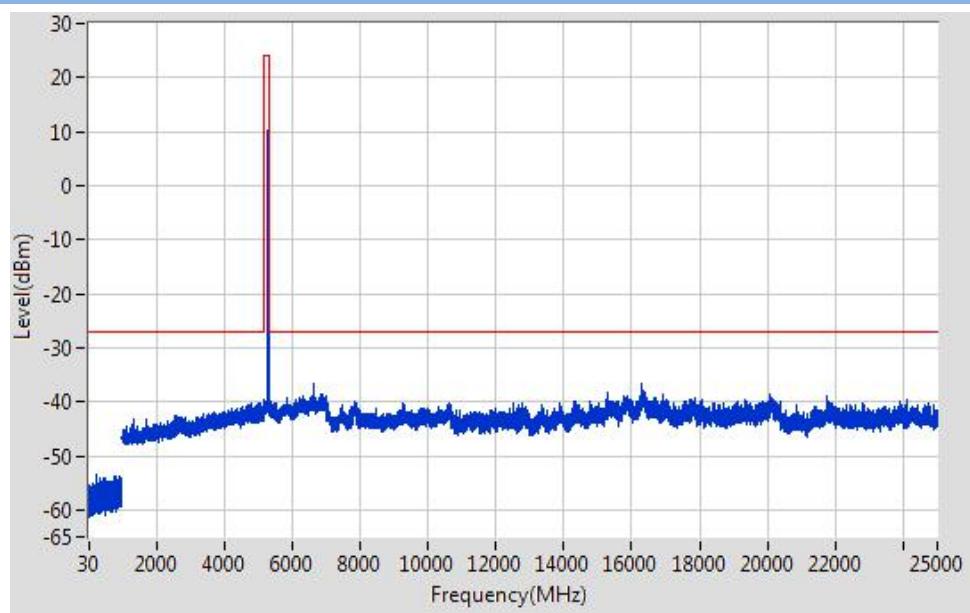
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band II 11 n (HT20) CH60

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.01	-72.07	6	3	6	QP	35.19	68.20	33.01	Note 2	Pass
0.43	-63.24	6	3	6	QP	44.02	68.20	24.18	Note 2	Pass
399.138	-54.45	4.7	3	6	QP	51.51	68.20	16.69	Note 2	Pass
5305.861	10.02	0	3	6	PK	111.28	N/A	N/A	Note 1	N/A
	10.02		3	6	AV	111.28	N/A	N/A		N/A
6928.216	-38.97	0	3	6	PK	62.29	68.20	5.91	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
11261.687	-40.94	0	3	6	PK	60.32	74.00	13.68	--	Pass
	-50.24		3	6	AV	51.02	54.00	2.98		Pass
16333.348	-37.66	0	3	6	PK	63.60	68.20	4.60	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band II 11 n (HT20) CH60, SPURIOUS 30 MHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

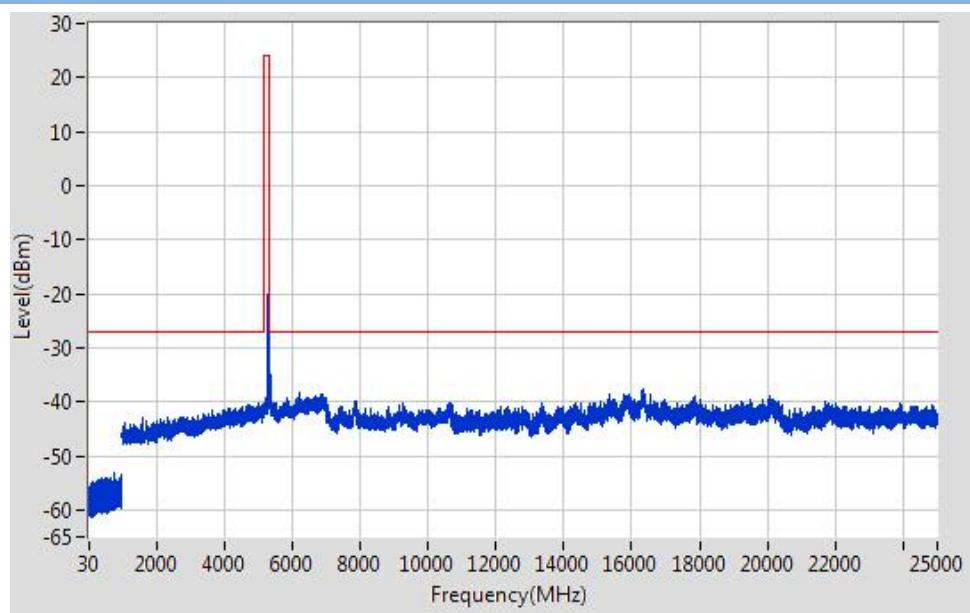
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band II 11 n (HT20) CH64

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.011	-72.1	6	3	6	QP	35.16	68.20	33.04	Note 2	Pass
0.15	-61.6	6	3	6	QP	45.66	68.20	22.54	Note 2	Pass
982.598	-53.4	4.7	3	6	QP	52.56	74.00	21.44	--	Pass
5313.863	9.45	0	3	6	PK	110.71	N/A	N/A	Note 1	N/A
	9.45		3	6	AV	110.71	N/A	N/A		N/A
6852.198	-39.1	0	3	6	PK	62.16	68.20	6.04	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
10737.312	-40.64	0	3	6	PK	60.62	74.00	13.38	--	Pass
	-49.86		3	6	AV	51.40	54.00	2.60		Pass
16328.348	-37.3	0	3	6	PK	63.96	68.20	4.24	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band II 11 n (HT20) CH64, SPURIOUS 30 MHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

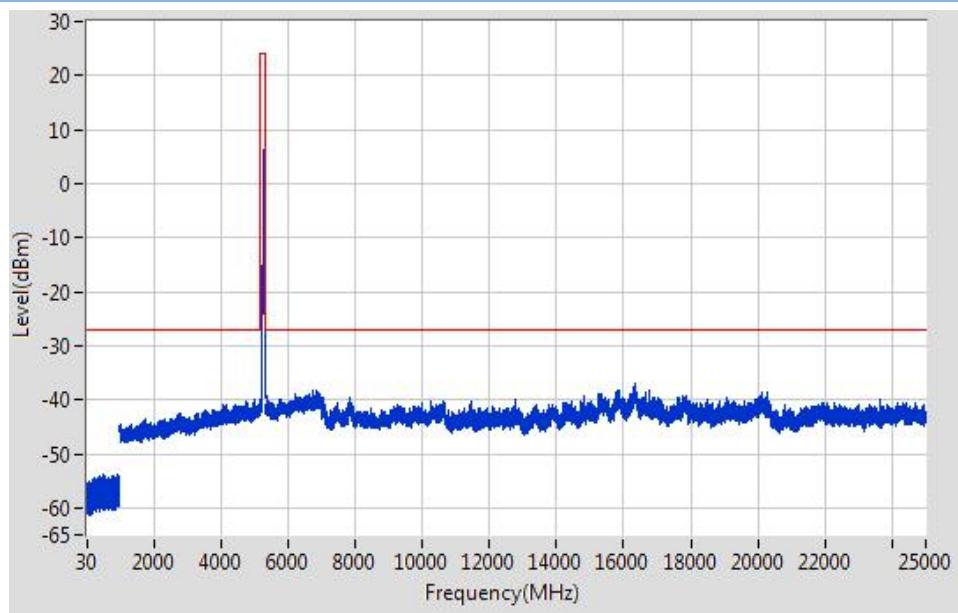
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band II 11 n (HT40) CH54

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.015	-72.43	6	3	6	QP	34.83	68.20	33.37	Note 2	Pass
0.26	-62.97	6	3	6	QP	44.29	68.20	23.91	Note 2	Pass
584.857	-52.78	4.7	3	6	QP	53.18	68.20	15.02	Note 2	Pass
5268.854	3.48	0	3	6	PK	104.74	N/A	N/A	Note 1	N/A
	3.48		3	6	AV	104.74	N/A	N/A		N/A
6897.209	-38.65	0	3	6	PK	62.61	68.20	5.59	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
10670.264	-41.14	0	3	6	PK	60.12	74.00	13.88	--	Pass
	-51.49		3	6	AV	49.77	54.00	4.23		Pass
15802.308	-37.5	0	3	6	PK	63.76	74.00	10.24	--	Pass
	-49.87		3	6	AV	51.39	54.00	2.61		Pass

Test Plots

Band II 11 n (HT40) CH54, SPURIOUS 30 MHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

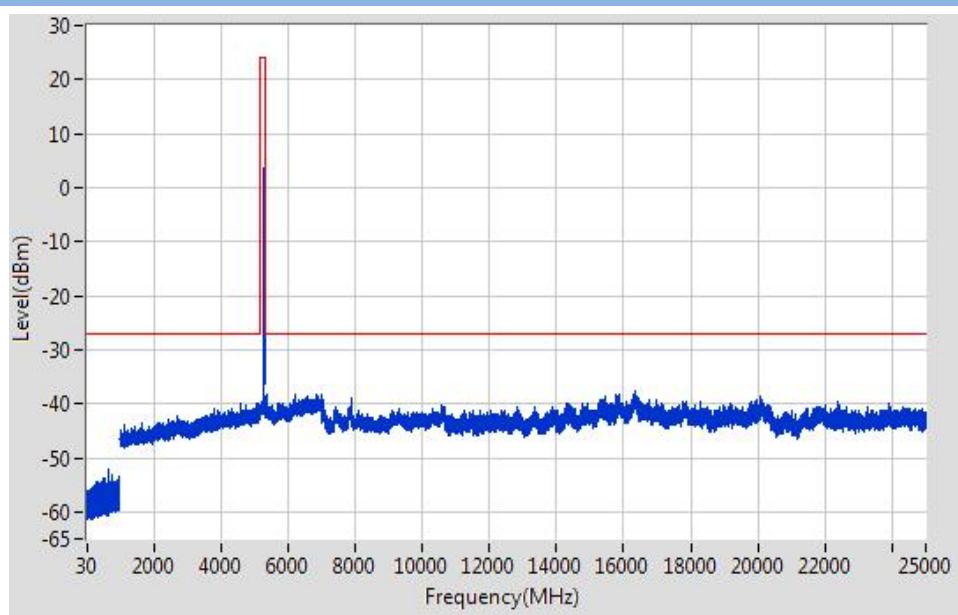
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band II 11n (HT40) CH62

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.012	-72.24	6	3	6	QP	35.02	68.20	33.18	Note 2	Pass
0.35	-60.07	6	3	6	QP	47.19	68.20	21.01	Note 2	Pass
871.387	-53.83	4.7	3	6	QP	52.13	68.20	16.07	Note 2	Pass
5306.861	3.86	0	3	6	PK	105.12	N/A	N/A	Note 1	N/A
	3.86		3	6	AV	105.12	N/A	N/A		N/A
6596.139	-38.71	0	3	6	PK	62.55	68.20	5.65	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
10660.257	-40.65	0	3	6	PK	60.61	74.00	13.39	--	Pass
	-50.26		3	6	AV	51.00	54.00	3.00		Pass
16318.347	-38.23	0	3	6	PK	63.03	68.20	5.17	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band II 11 n (HT40) CH62, SPURIOUS 30 MHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

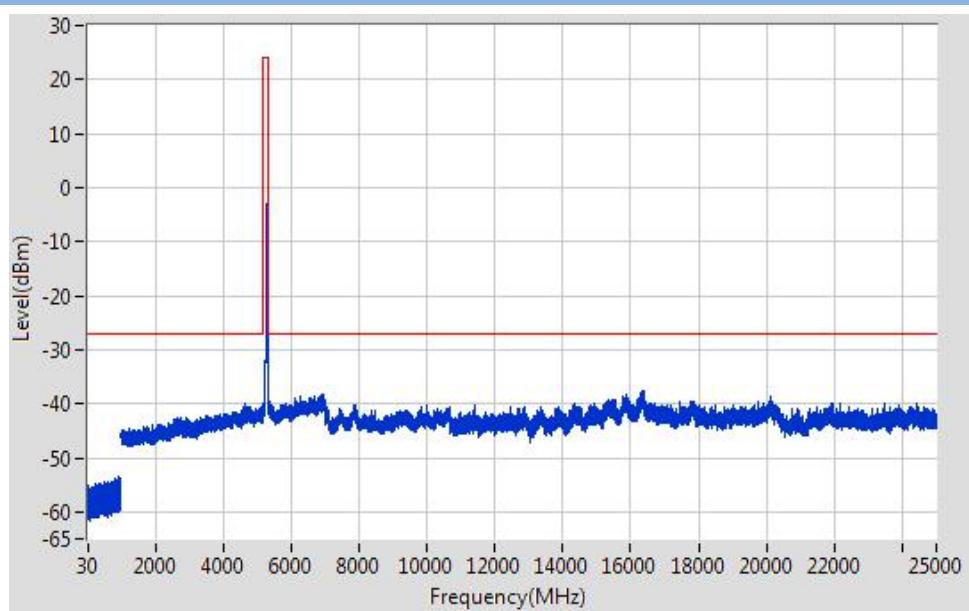
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band II 11ac(HT80) CH58

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.009	-71.48	6	3	6	QP	35.78	68.20	32.42	Note 2	Pass
0.18	-62.43	6	3	6	QP	44.83	68.20	23.37	Note 2	Pass
339.632	-54.58	4.7	3	6	QP	51.38	68.20	16.82	Note 2	Pass
5317.864	-3.05	0	3	6	PK	98.21	N/A	N/A	Note 1	N/A
	-3.05		3	6	AV	98.21	N/A	N/A		N/A
6843.196	-38.81	0	3	6	PK	62.45	68.20	5.75	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
11358.756	-39.86	0	3	6	PK	61.40	74.00	12.60	--	Pass
	-49.87		3	6	AV	51.39	54.00	2.61		Pass
16368.351	-37.98	0	3	6	PK	63.28	68.20	4.92	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band II 11ac(HT80) CH58, SPURIOUS 30 MHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

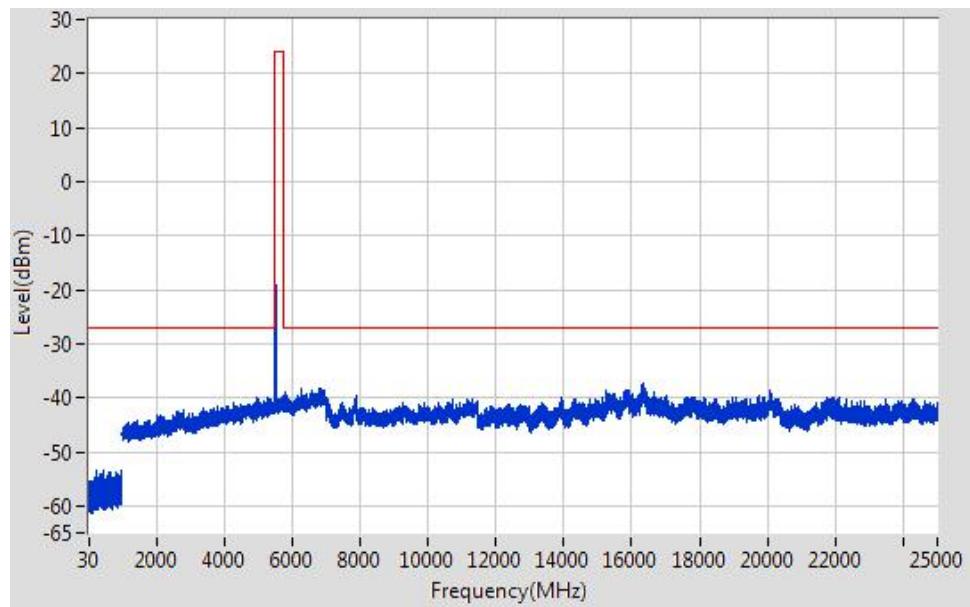
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band III 11a CH100

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.009	-70.65	6	3	6	QP	36.61	68.20	31.59	Note 2	Pass
0.23	-61.79	6	3	6	QP	45.47	68.20	22.73	Note 2	Pass
782.678	-53.96	4.7	3	6	QP	52.00	68.20	16.20	Note 2	Pass
5506.901	9.01	0	3	6	PK	110.27	N/A	N/A	Note 1	N/A
	9.01		3	6	AV	110.27	N/A	N/A		N/A
6865.201	-38.37	0	3	6	PK	62.89	68.20	5.31	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
10619.228	-41.05	0	3	6	PK	60.21	74.00	13.79	--	Pass
	-53.64		3	6	AV	47.62	54.00	6.38		Pass
16335.349	-38.36	0	3	6	PK	62.90	68.20	5.30	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band III 11a CH100, SPURIOUS 30 MHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

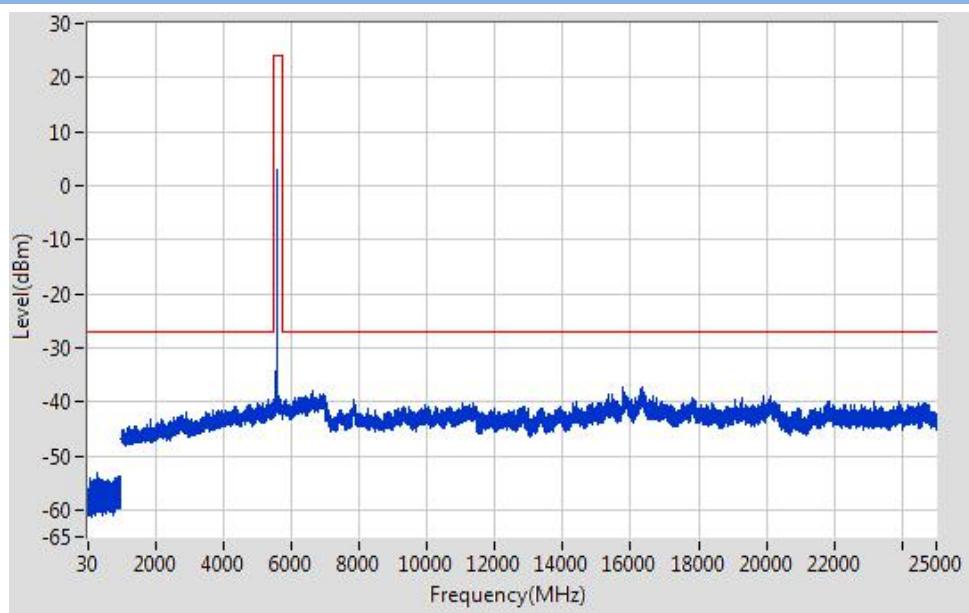
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band III 11a CH116

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.012	-72.14	6	3	6	QP	35.12	68.20	33.08	Note 2	Pass
0.29	-62.06	6	3	6	QP	45.20	68.20	23.00	Note 2	Pass
937.394	-53.8	4.7	3	6	QP	52.16	68.20	16.04	Note 2	Pass
5584.917	2.38	0	3	6	PK	103.64	N/A	N/A	Note 1	N/A
	2.38		3	6	AV	103.64	N/A	N/A		N/A
6612.142	-38.46	0	3	6	PK	62.80	68.20	5.40	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A		N/A
10640.243	-40.74	0	3	6	PK	60.52	74.00	13.48	--	Pass
	-54.87		3	6	AV	46.39	54.00	7.61		Pass
16364.351	-38.44	0	3	6	PK	62.82	68.20	5.38	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A		N/A

Test Plots

Band III 11a CH116, SPURIOUS 30 MHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

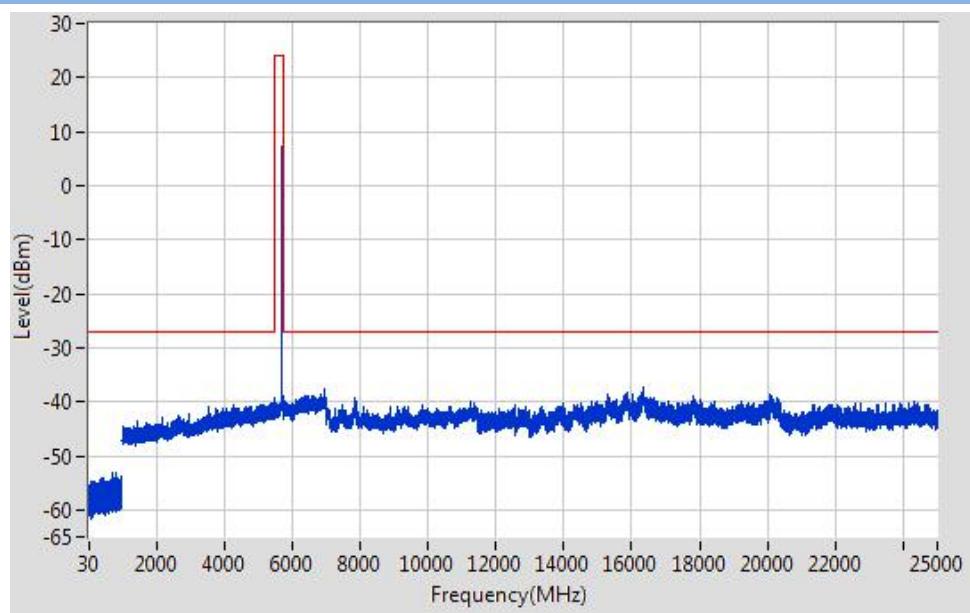
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band III 11a CH140

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.009	-71.16	6	3	6	QP	36.10	68.20	32.10	Note 2	Pass
0.23	-59.24	6	3	6	QP	48.02	68.20	20.18	Note 2	Pass
970.097	-53.99	4.7	3	6	QP	51.97	74.00	22.03	--	Pass
5693.939	6.78	0	3	6	PK	108.04	N/A	N/A	Note 1	N/A
	6.78		3	6	AV	108.04	N/A	N/A		N/A
6904.21	-38.16	0	3	6	PK	63.10	68.20	5.10	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
11645.961	-40.63	0	3	6	PK	60.63	74.00	13.37	--	Pass
	-51.23		3	6	AV	50.03	54.00	3.97		Pass
16303.346	-36.33	0	3	6	PK	64.93	68.20	3.27	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band III 11a CH140, SPURIOUS 30 MHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

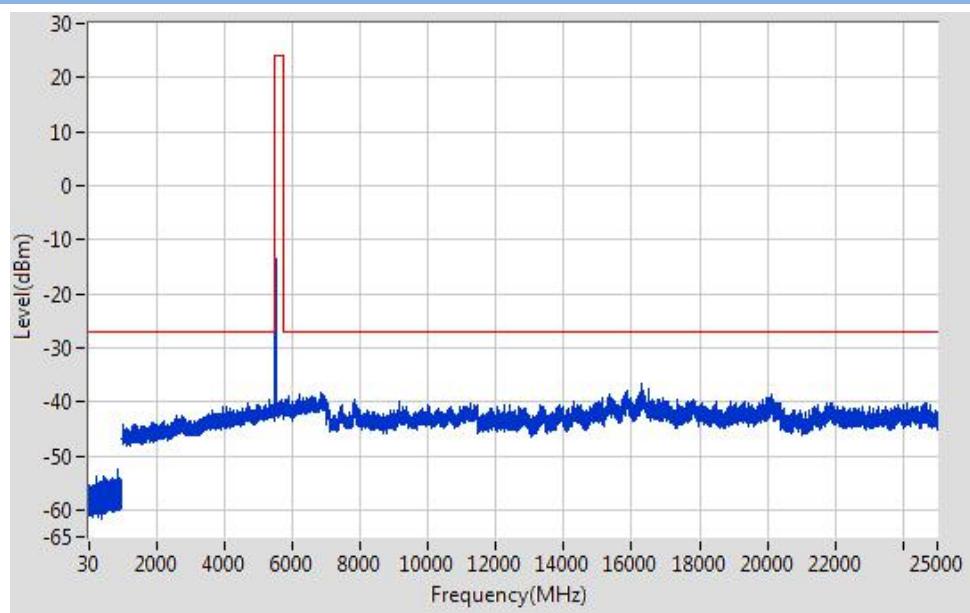
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band III 11 n (HT20) CH100

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.012	-71.83	6	3	6	QP	35.43	68.20	32.77	Note 2	Pass
0.15	-61.81	6	3	6	QP	45.45	68.20	22.75	Note 2	Pass
787.078	-53.38	4.7	3	6	QP	52.58	68.20	15.62	Note 2	Pass
5507.902	10.8	0	3	6	PK	112.06	N/A	N/A	Note 1	N/A
	10.80		3	6	AV	112.06	N/A	N/A		N/A
6916.213	-38.71	0	3	6	PK	62.55	68.20	5.65	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A		N/A
11428.806	-41.15	0	3	6	PK	60.11	74.00	13.89	--	Pass
	-53.62		3	6	AV	47.64	54.00	6.36		Pass
16342.349	-38.02	0	3	6	PK	63.24	68.20	4.96	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A		N/A

Test Plots

Band III 11 n (HT20) CH100, SPURIOUS 30 MHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

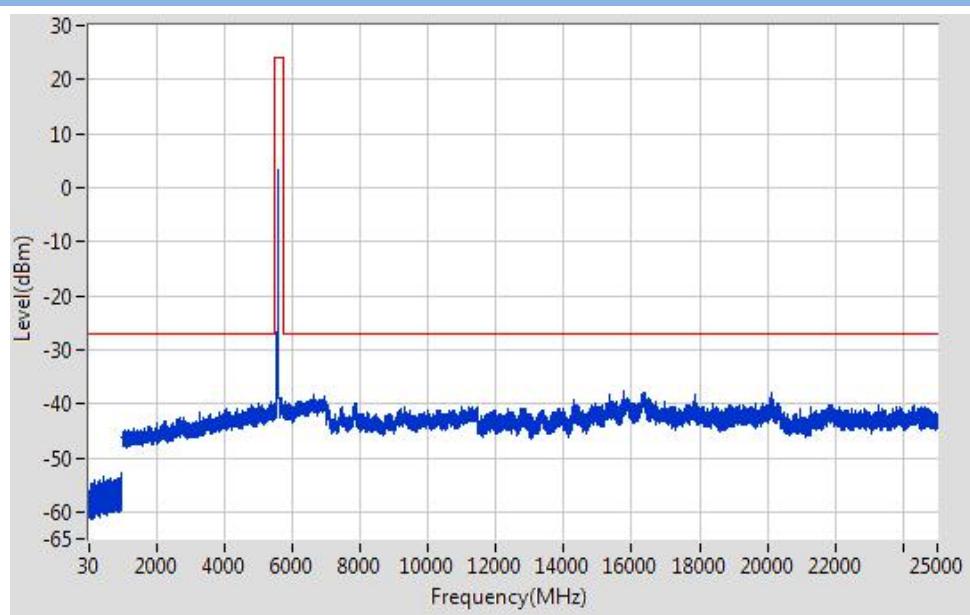
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band III 11 n (HT20) CH116

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.012	-72.44	6	3	6	QP	34.82	68.20	33.38	Note 2	Pass
0.17	-62.52	6	3	6	QP	44.74	68.20	23.46	Note 2	Pass
620.261	-53.89	4.7	3	6	QP	52.07	68.20	16.13	Note 2	Pass
5587.918	2.43	0	3	6	PK	103.69	N/A	N/A	Note 1	N/A
	2.43		3	6	AV	103.69	N/A	N/A		N/A
6604.14	-38.36	0	3	6	PK	62.90	68.20	5.30	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
11449.821	-40.53	0	3	6	PK	60.73	74.00	13.27	--	Pass
	-50.23		3	6	AV	51.03	54.00	2.97		Pass
16321.347	-37.74	0	3	6	PK	63.52	68.20	4.68	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band III 11 n (HT20) CH116 SPURIOUS 30 MHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

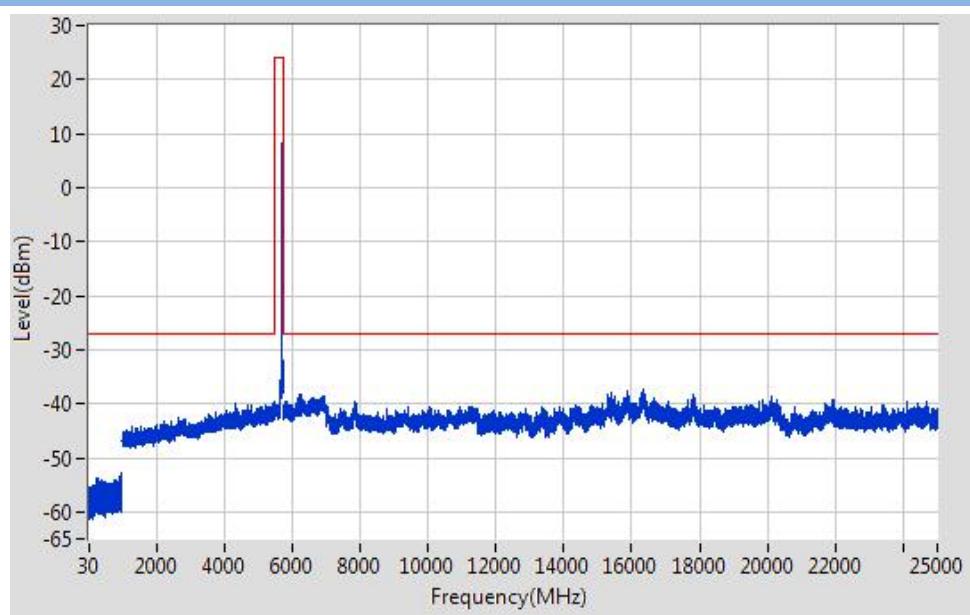
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band III 11 n (HT20) CH140

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.01	-71.56	6	3	6	QP	35.70	68.20	32.50	Note 2	Pass
0.21	-60.06	6	3	6	QP	47.20	68.20	21.00	Note 2	Pass
867.486	-53.61	4.7	3	6	QP	52.35	68.20	15.85	Note 2	Pass
5694.939	8.09	0	3	6	PK	109.35	N/A	N/A	Note 1	N/A
	8.09		3	6	AV	109.35	N/A	N/A		N/A
6599.139	-38.59	0	3	6	PK	62.67	68.20	5.53	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A		N/A
11445.818	-40.93	0	3	6	PK	60.33	74.00	13.67	--	Pass
	-50.23		3	6	AV	51.03	54.00	2.97		Pass
15798.308	-38.02	0	3	6	PK	63.24	74.00	10.76	--	Pass
	-52.19		3	6	AV	49.07	54.00	4.93		Pass

Test Plots

Band III 11 n (HT20) CH140, SPURIOUS 30 MHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

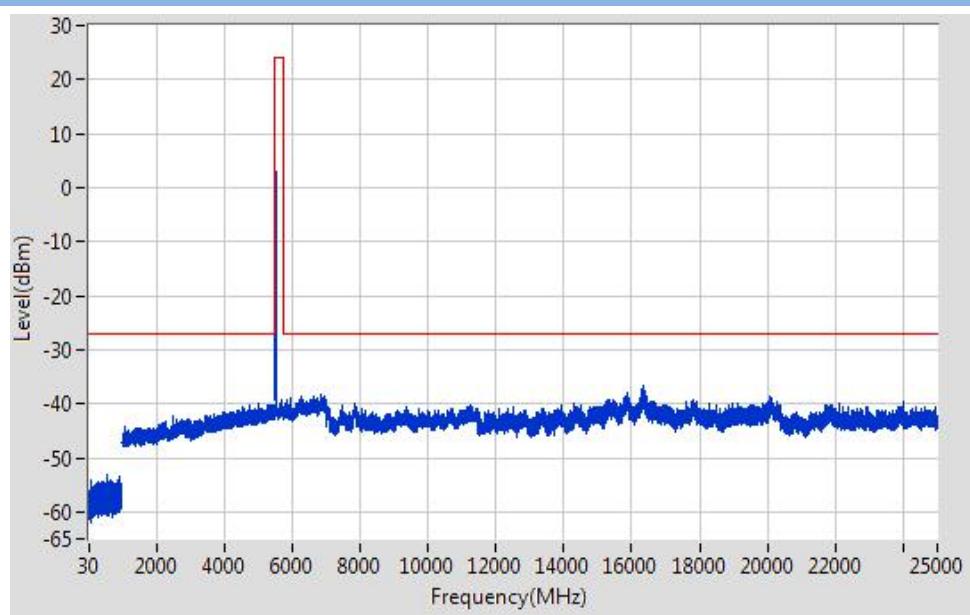
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band III 11 n (HT40) CH102

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.015	-72.82	6	3	6	QP	34.44	68.20	33.76	Note 2	Pass
0.23	-60.29	6	3	6	QP	46.97	68.20	21.23	Note 2	Pass
948.295	-54.08	4.7	3	6	QP	51.88	68.20	16.32	Note 2	Pass
5507.902	3.14	0	3	6	PK	104.40	N/A	N/A	Note 1	N/A
	3.14		3	6	AV	104.40	N/A	N/A		N/A
6868.202	-38.67	0	3	6	PK	62.59	68.20	5.61	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
11480.843	-40.56	0	3	6	PK	60.70	74.00	13.30	--	Pass
	-51.83		3	6	AV	49.43	54.00	4.57		Pass
16326.348	-37.67	0	3	6	PK	63.59	68.20	4.61	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band III 11 n (HT40) CH102, SPURIOUS 30 MHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

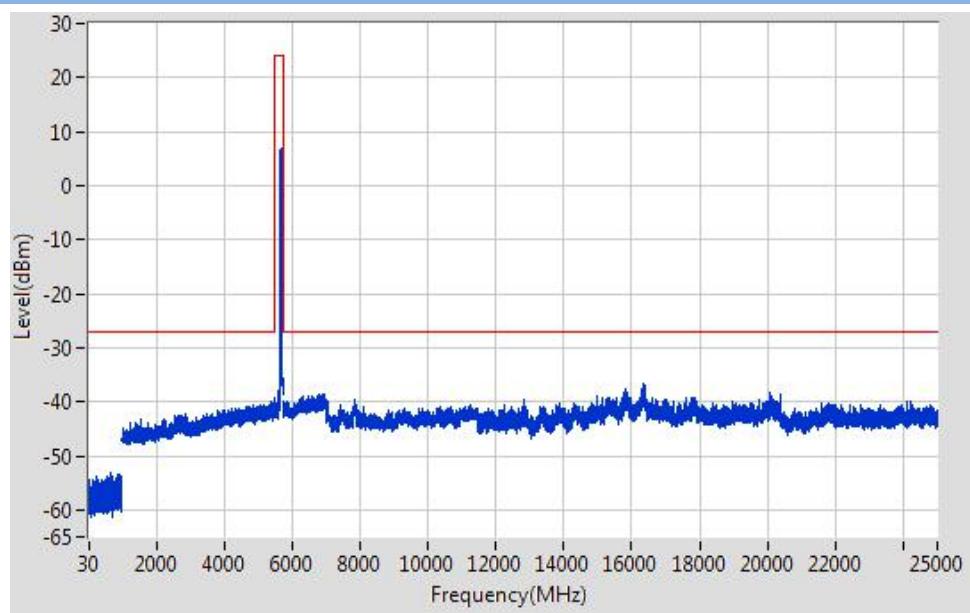
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band III 11n (HT40) CH134

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.014	-71.77	6	3	6	QP	35.49	68.20	32.71	Note 2	Pass
0.43	-62.65	6	3	6	QP	44.61	68.20	23.59	Note 2	Pass
703.269	-54.37	4.7	3	6	QP	51.59	68.20	16.61	Note 2	Pass
5653.931	4.89	0	3	6	PK	106.15	N/A	N/A	Note 1	N/A
	4.89		3	6	AV	106.15	N/A	N/A		N/A
6820.191	-38.91	0	3	6	PK	62.35	68.20	5.85	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
11285.704	-40.2	0	3	6	PK	61.06	74.00	12.94	--	Pass
	-52.37		3	6	AV	48.89	54.00	5.11		Pass
16316.347	-38.13	0	3	6	PK	63.13	68.20	5.07	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band III 11 n (HT40) CH134, SPURIOUS 30 MHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

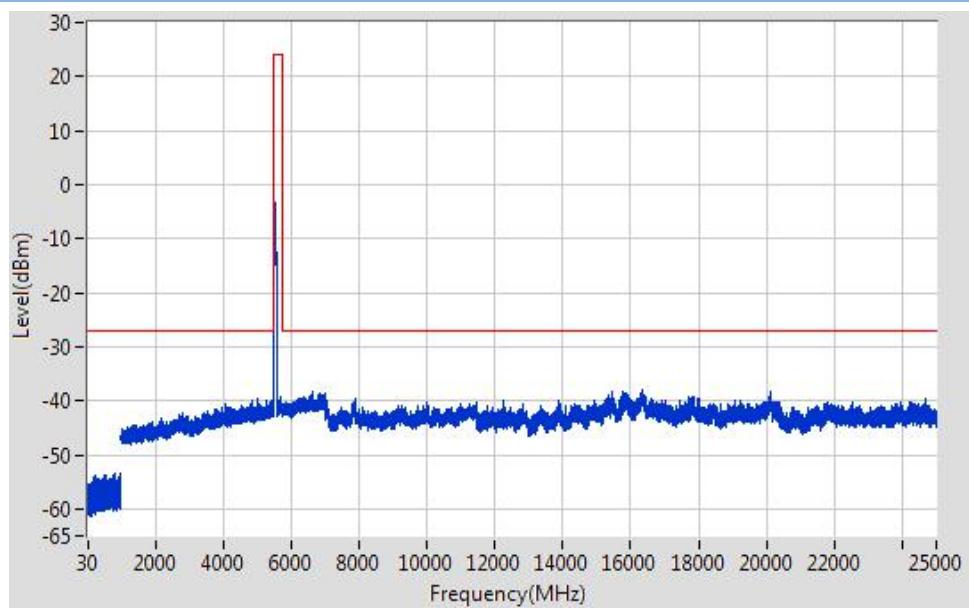
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band III 11ac(HT80) CH106

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.014	-72.86	6	3	6	QP	34.40	68.20	33.80	Note 2	Pass
0.31	-62.09	6	3	6	QP	45.17	68.20	23.03	Note 2	Pass
930.093	-53.71	4.7	3	6	QP	52.25	68.20	15.95	Note 2	Pass
5503.901	-4.39	0	3	6	PK	96.87	N/A	N/A	Note 1	N/A
	-4.39		3	6	AV	96.87	N/A	N/A		N/A
6948.221	-38.33	0	3	6	PK	62.93	68.20	5.27	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A		N/A
11043.531	-41.03	0	3	6	PK	60.23	74.00	13.77	--	Pass
	-50.72		3	6	AV	50.54	54.00	3.46		Pass
15894.315	-38.18	0	3	6	PK	63.08	74.00	10.92	--	Pass
	-49.81		3	6	AV	51.45	54.00	2.55		Pass

Test Plots

Band III 11ac(HT80) CH106, SPURIOUS 30 MHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

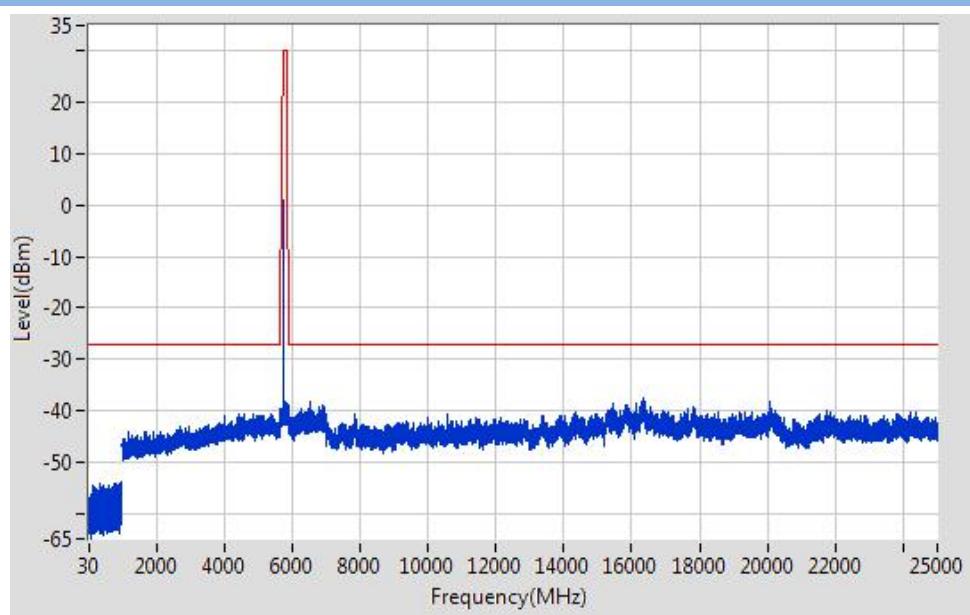
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band IV 11a CH149

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.01	-70.21	6	3	6	QP	37.05	68.20	31.15	Note 2	Pass
0.32	-62.19	6	3	6	QP	45.07	68.20	23.13	Note 2	Pass
652.564	-53.76	4.7	3	6	QP	52.20	68.20	16.00	Note 2	Pass
5734.947	-19.17	0	3	6	PK	82.09	N/A	N/A	Note 1	N/A
	-19.17		3	6	AV	82.09	N/A	N/A		N/A
6869.202	-38.58	0	3	6	PK	62.68	68.20	5.52	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
10304.003	-40.65	0	3	6	PK	60.61	68.20	7.59	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A		N/A
16326.348	-38.31	0	3	6	PK	62.95	68.20	5.25	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band IV 11a CH149, SPURIOUS 30 MHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

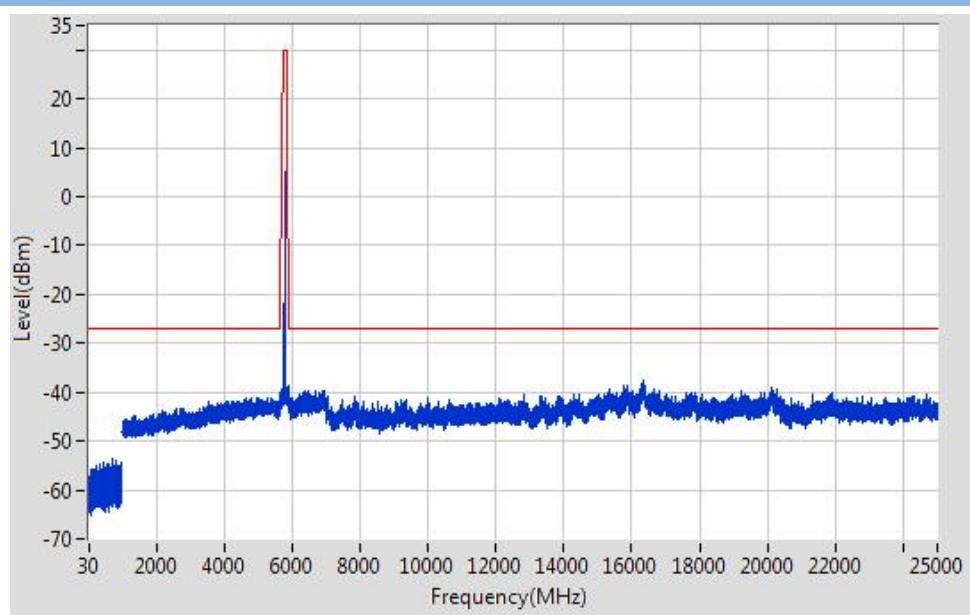
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band IV 11a CH157

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.01	-71.43	6	3	6	QP	35.83	68.20	32.37	Note 2	Pass
0.15	-60.64	6	3	6	QP	46.62	68.20	21.58	Note 2	Pass
982.998	-53.89	4.7	3	6	QP	52.07	74.00	21.93	--	Pass
5777.956	2.08	0	3	6	PK	103.34	N/A	N/A	Note 1	N/A
	2.08		3	6	AV	103.34	N/A	N/A		N/A
6602.14	-38.66	0	3	6	PK	62.60	68.20	5.60	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
11456.826	-40.87	0	3	6	PK	60.39	74.00	13.61	--	Pass
	-50.84		3	6	AV	50.42	54.00	3.58		Pass
16388.353	-37.24	0	3	6	PK	64.02	68.20	4.18	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band IV 11a CH157, SPURIOUS 30 MHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

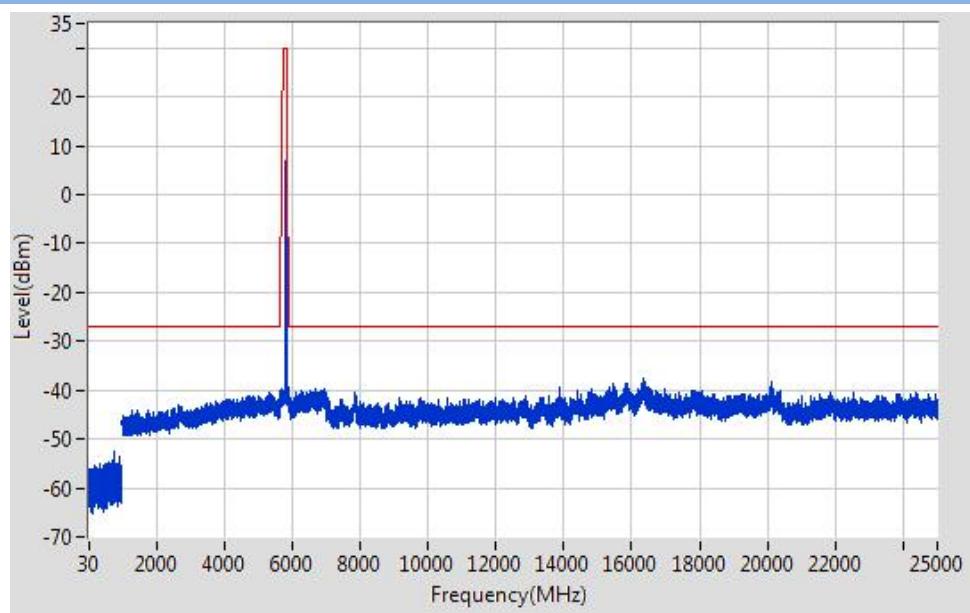
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band IV 11a CH165

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.01	-70.74	6	3	6	QP	36.52	68.20	31.68	Note 2	Pass
0.25	-59.95	6	3	6	QP	47.31	68.20	20.89	Note 2	Pass
768.576	-54.3	4.7	3	6	QP	51.66	68.20	16.54	Note 2	Pass
5819.964	6.7	0	3	6	PK	107.96	N/A	N/A	Note 1	N/A
	6.70		3	6	AV	107.96	N/A	N/A		N/A
6960.223	-38.47	0	3	6	PK	62.79	68.20	5.41	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
11253.681	-40.96	0	3	6	PK	60.30	74.00	13.70	--	Pass
	-52.16		3	6	AV	49.10	54.00	4.90		Pass
16319.347	-38.19	0	3	6	PK	63.07	68.20	5.13	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band IV 11a CH165, SPURIOUS 30 MHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

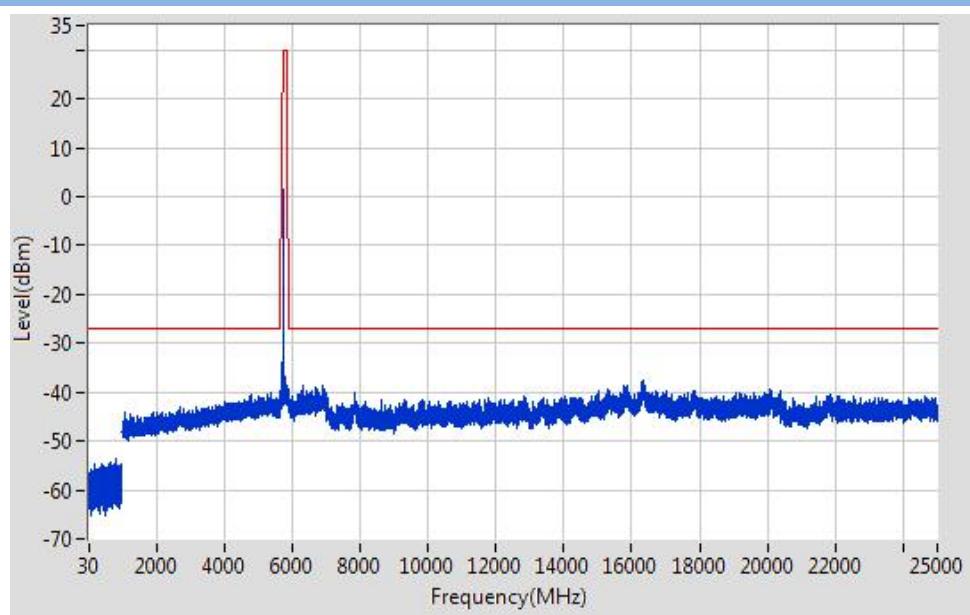
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band IV 11 n (HT20) CH149

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.011	-71.52	6	3	6	QP	35.74	68.20	32.46	Note 2	Pass
0.25	-61.41	6	3	6	QP	45.85	68.20	22.35	Note 2	Pass
444.943	-53.16	4.7	3	6	QP	52.80	68.20	15.40	Note 2	Pass
5738.948	0.37	0	3	6	PK	101.63	N/A	N/A	Note 1	N/A
	0.37		3	6	AV	101.63	N/A	N/A		N/A
6894.208	-38.01	0	3	6	PK	63.25	68.20	4.95	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
11449.821	-40.21	0	3	6	PK	61.05	74.00	12.95	--	Pass
	-50.23		3	6	AV	51.03	54.00	2.97		Pass
16317.347	-38.36	0	3	6	PK	62.90	68.20	5.30	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band IV 11 n (HT20) CH149, SPURIOUS 30 MHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

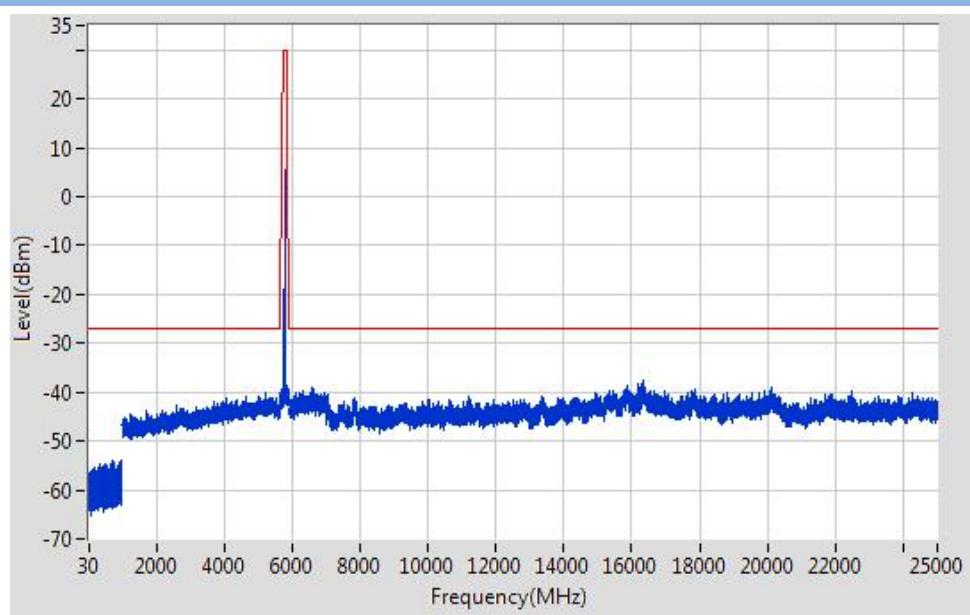
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band IV 11 n (HT20) CH157

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.01	-71.37	6	3	6	QP	35.89	68.20	32.31	Note 2	Pass
0.34	-61.46	6	3	6	QP	45.80	68.20	22.40	Note 2	Pass
998.7	-53.68	4.7	3	6	QP	52.28	74.00	21.72	--	Pass
5798.96	-25.77	0	3	6	PK	75.49	N/A	N/A	Note 1	N/A
	-25.77		3	6	AV	75.49	N/A	N/A		N/A
6913.212	-38.34	0	3	6	PK	62.92	68.20	5.28	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
11471.837	-40.92	0	3	6	PK	60.34	74.00	13.66	--	Pass
	-50.79		3	6	AV	50.47	54.00	3.53		Pass
16339.349	-38.33	0	3	6	PK	62.93	68.20	5.27	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band IV 11 n (HT20) CH157, SPURIOUS 30 MHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

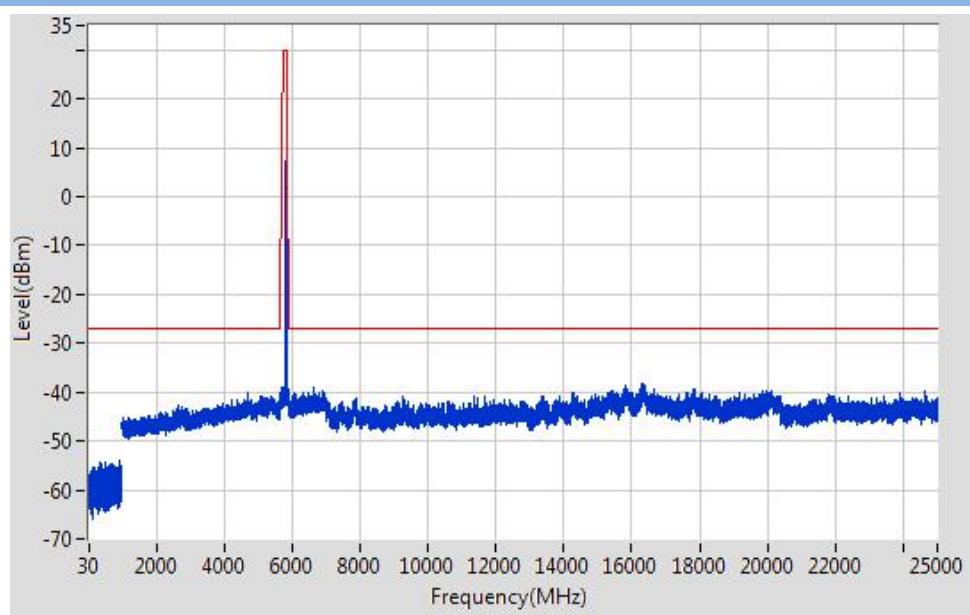
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band IV 11 n (HT20) CH165

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.013	-71.58	6	3	6	QP	35.68	68.20	32.52	Note 2	Pass
0.15	-60.83	6	3	6	QP	46.43	68.20	21.77	Note 2	Pass
784.478	-54.31	4.7	3	6	QP	51.65	68.20	16.55	Note 2	Pass
5830.966	7.9	0	3	6	PK	109.16	N/A	N/A	Note 1	N/A
	7.90		3	6	AV	109.16	N/A	N/A		N/A
6706.164	-38.79	0	3	6	PK	62.47	68.20	5.73	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
11468.835	-40.77	0	3	6	PK	60.49	74.00	13.51	--	Pass
	-50.79		3	6	AV	50.47	54.00	3.53		Pass
16320.347	-37.93	0	3	6	PK	63.33	68.20	4.87	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band IV 11 n (HT20) CH165, SPURIOUS 30 MHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

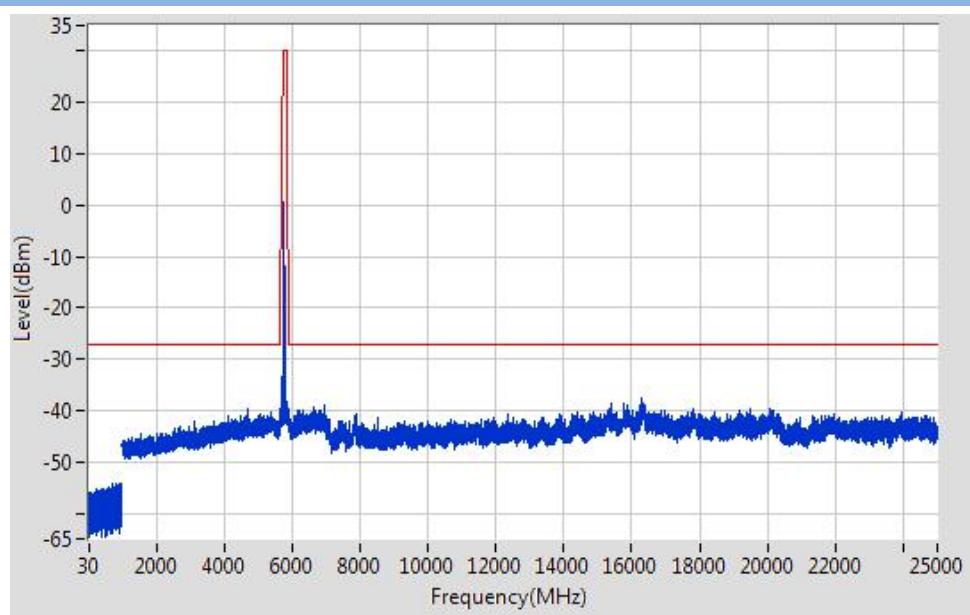
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band IV 11 n (HT40) CH151

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.012	-71.62	6	3	6	QP	35.64	68.20	32.56	Note 2	Pass
0.6	-61.3	6	3	6	QP	45.96	68.20	22.24	Note 2	Pass
968.397	-53.94	4.7	3	6	QP	52.02	74.00	21.98	--	Pass
5739.948	-2.97	0	3	6	PK	98.29	N/A	N/A	Note 1	N/A
	-2.97		3	6	AV	98.29	N/A	N/A		N/A
6603.14	-38.55	0	3	6	PK	62.71	68.20	5.49	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
10625.232	-40.37	0	3	6	PK	60.89	74.00	13.11	--	Pass
	-52.37		3	6	AV	48.89	54.00	5.11		Pass
16299.346	-37.36	0	3	6	PK	63.90	68.20	4.30	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band IV 11 n (HT40) CH151, SPURIOUS 30 MHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

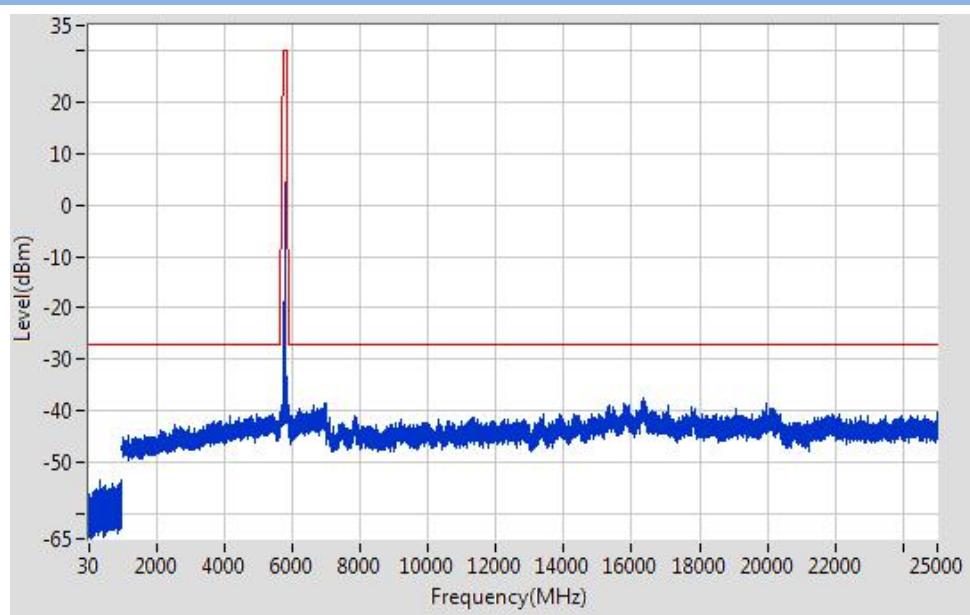
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band IV 11n (HT40) CH159

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.01	-71.51	6	3	6	QP	35.75	68.20	32.45	Note 2	Pass
0.46	-61.59	6	3	6	QP	45.67	68.20	22.53	Note 2	Pass
971.597	-53.69	4.7	3	6	QP	52.27	74.00	21.73	--	Pass
5808.962	3.76	0	3	6	PK	105.02	N/A	N/A	Note 1	N/A
	3.76		3	6	AV	105.02	N/A	N/A		N/A
6752.175	-39.19	0	3	6	PK	62.07	68.20	6.13	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
11446.819	-40.55	0	3	6	PK	60.71	74.00	13.29	--	Pass
	-51.69		3	6	AV	49.57	54.00	4.43		Pass
16410.354	-38.16	0	3	6	PK	63.10	68.20	5.10	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band IV 11 n (HT40) CH159, SPURIOUS 30 MHz to 25 GHz



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 2dBi, whichever is greater.

And the maximum in-band gain of the antenna is 6 dBi

Note 1: The frequency is fundamental signal which can be ignored.

Note 2: Which frequency is not within a restricted band, and its limit line is resolved to 15.407b

Note 3: Average measurement was not performed if peak level went lower than the average limit.

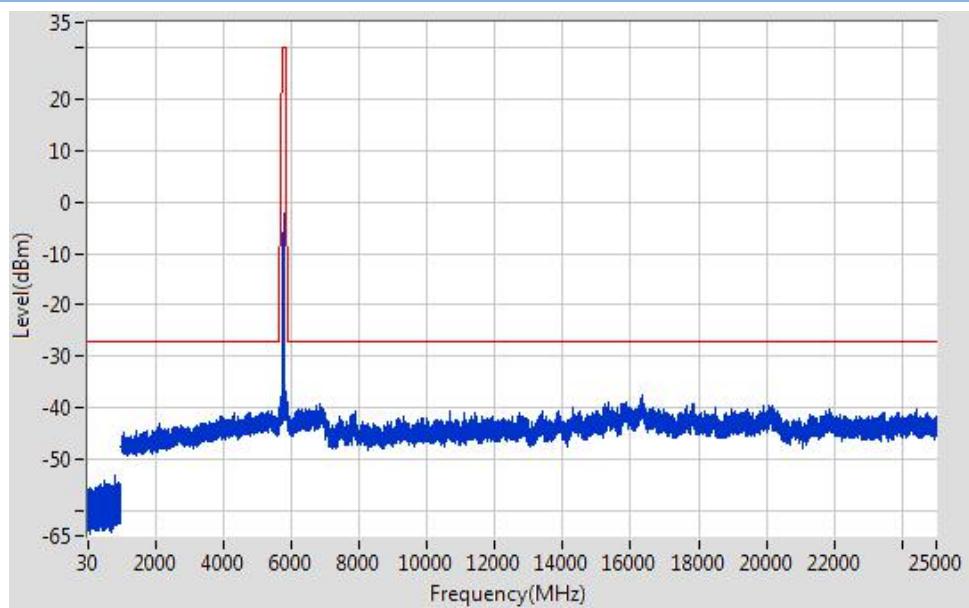
Note 4: The harmonic (2th, 3th, 3th,...etc.) and other spurious are not reported, because those levels are lower than average limit line and background noise.

Band IV 11ac(HT80) CH155

Frequency (MHz)	Value (dBm)	Ground Reflection Factor (dB)	D(m)	Max gain(dBi)	Detector	E (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Remark	Verdict
0.01	-70.73	6	3	6	QP	36.53	68.20	31.67	Note 2	Pass
0.25	-60.49	6	3	6	QP	46.77	68.20	21.43	Note 2	Pass
944.994	-53.51	4.7	3	6	QP	52.45	68.20	15.75	Note 2	Pass
5801.96	-2.53	0	3	6	PK	98.73	N/A	N/A	Note 1	N/A
	-2.53		3	6	AV	98.73	N/A	N/A		N/A
6886.206	-38.85	0	3	6	PK	62.41	68.20	5.79	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A
11235.668	-41.31	0	3	6	PK	59.95	74.00	14.05	--	Pass
	-49.63		3	6	AV	51.63	54.00	2.37		Pass
16312.347	-38.27	0	3	6	PK	62.99	68.20	5.21	Note 2	Pass
	N/A		3	6	AV	N/A	N/A	N/A	--	N/A

Test Plots

Band IV 11ac(HT80) CH155, SPURIOUS 30 MHz to 25 GHz



Test Frequency: 25 GHz ~ 40 GHz

Note: Only noise floor was seen.

Cabinet Radiated spurious emission test

Note 1: The symbol of “--” in the table which means not application.

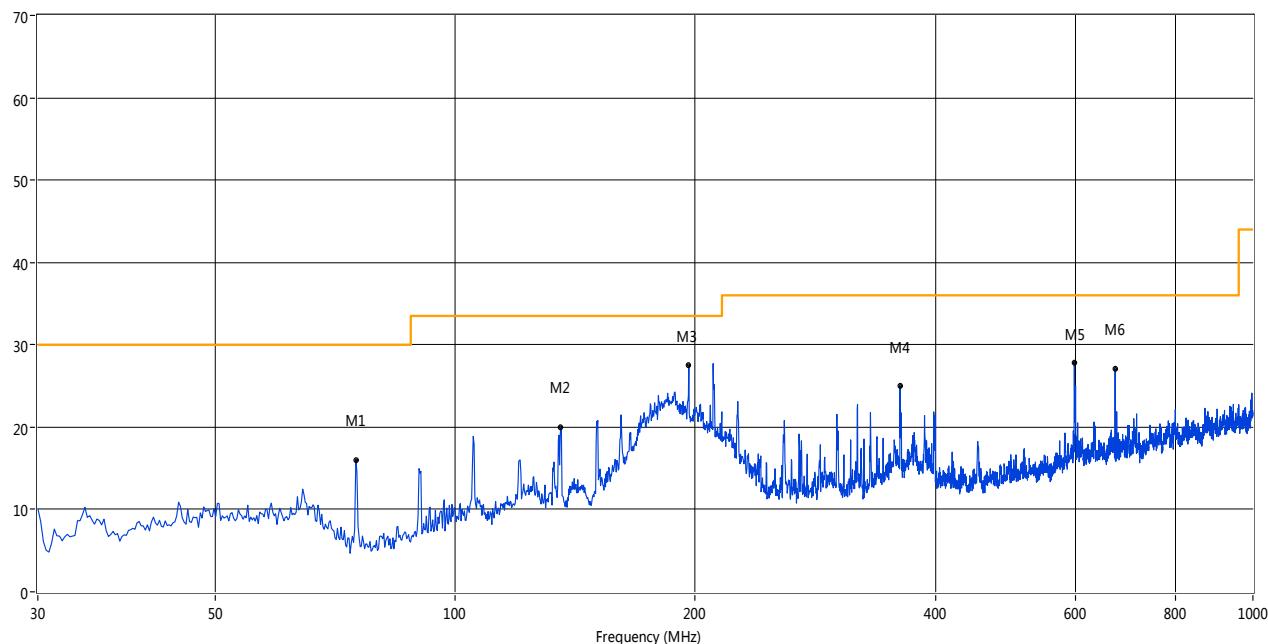
Note 2: For the test data above 1 GHz, According the ANSI C63.4, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note 3: 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 4: The EUT is working in the Normal link mode below 1 GHz.

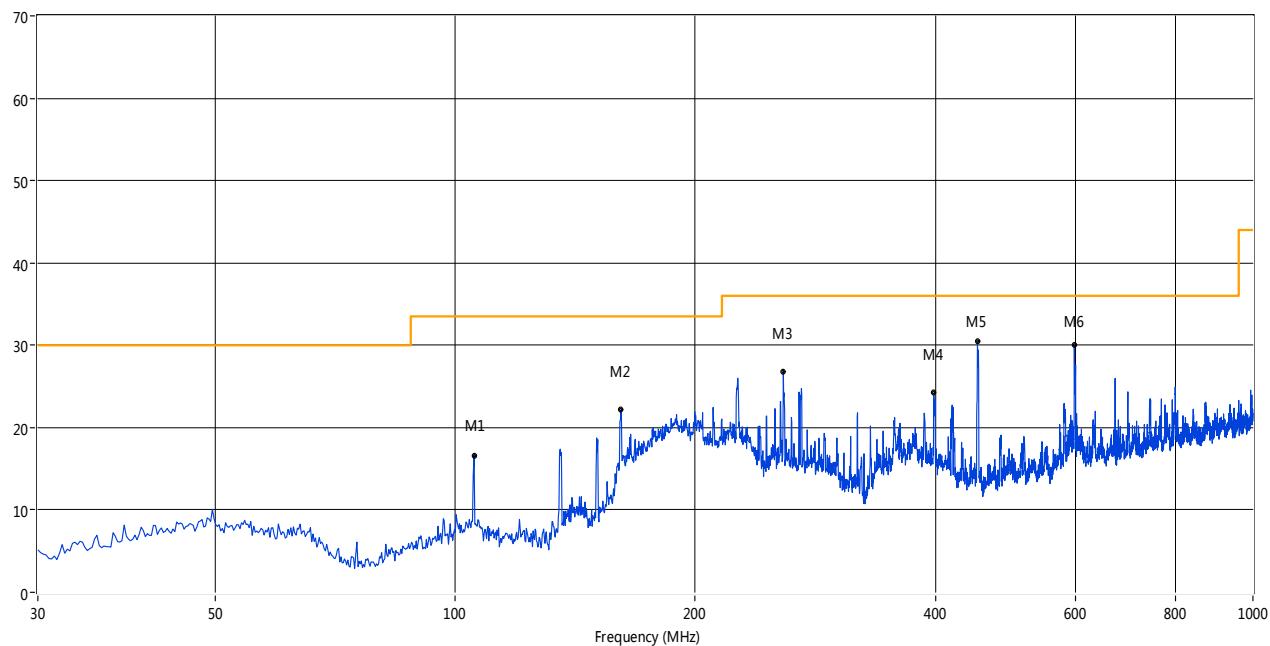
Note 5: All antennas have been tested, only the worst configuration (ANT 0) show here.

30 MHz to 1 GHz, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	75.094	16.03	-19.83	30.0	13.97	Peak	223.00	200	Vertical	Pass
2	135.704	20.01	-19.62	33.5	13.49	Peak	342.00	100	Vertical	Pass
3	196.313	27.49	-16.22	33.5	6.01	Peak	360.00	300	Vertical	Pass
4	361.172	24.95	-11.85	36.0	11.05	Peak	24.00	100	Vertical	Pass
5	597.308	27.88	-7.03	36.0	8.12	Peak	113.00	300	Vertical	Pass
6	671.980	27.06	-6.27	36.0	8.94	Peak	72.00	300	Vertical	Pass

30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	105.641	16.60	-15.67	33.5	16.90	Peak	0.00	300	Horizontal	Pass
2	161.402	22.15	-18.83	33.5	11.35	Peak	356.00	300	Horizontal	Pass
3	257.893	26.73	-14.37	36.0	9.27	Peak	0.00	300	Horizontal	Pass
4	398.023	24.20	-10.74	36.0	11.80	Peak	76.00	300	Horizontal	Pass
5	451.602	30.41	-10.11	36.0	5.59	Peak	108.00	200	Horizontal	Pass
6	597.308	30.02	-7.03	36.0	5.98	Peak	208.00	200	Horizontal	Pass

Note 1: All configurations have been tested, only the worst configuration (Band I) shown here.

Note 2: Only noise floor was seen of the test frequency (25 GHz ~ 40 GHz).

1 GHz to 25 GHz, ANT V Band I 11a Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1084.98	40.57	-4.73	74	33.44	Peak	34.9	150	Vertical	Pass
2	1540.37	41.11	-4.51	74	32.89	Peak	354.2	150	Vertical	Pass
3	1780.81	42.44	-4.17	74	31.56	Peak	188.9	150	Vertical	Pass
4	6157.24	50.86	14.72	74	23.14	Peak	210.5	150	Vertical	Pass
5	12233.36	43.63	9.80	74	30.38	Peak	194.6	150	Vertical	Pass
6	24311.15	46.15	11.95	74	27.85	Peak	243.7	150	Vertical	Pass

1 GHz to 25 GHz, ANT H Band I 11a Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1817.18	41.73	-3.07	74	32.27	Peak	94.2	150	Horizontal	Pass
2	2656.34	48.15	0.42	74	25.85	Peak	69.8	150	Horizontal	Pass
3	5241.76	49.23	14.41	74	24.77	Peak	258.9	150	Horizontal	Pass
4	6909.73	48.17	18.30	74	25.83	Peak	308.5	150	Horizontal	Pass
5	16556.16	44.93	10.32	74	29.07	Peak	298.9	150	Horizontal	Pass
6	20547.42	43.84	9.70	74	30.16	Peak	81	150	Horizontal	Pass

1 GHz to 25 GHz, ANT V Band I 11a Middle channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1309.42	40.42	-6.12	74	33.58	Peak	230.1	150	Vertical	Pass
2	1414.40	41.46	-4.59	74	32.54	Peak	155.5	150	Vertical	Pass
3	1952.26	41.71	-4.23	74	32.29	Peak	154.9	150	Vertical	Pass
4	7201.75	44.55	19.48	74	29.45	Peak	215	150	Vertical	Pass
5	16930.53	48.28	9.57	74	25.72	Peak	270.1	150	Vertical	Pass
6	21635.61	50.39	8.56	74	23.61	Peak	277.2	150	Vertical	Pass

1 GHz to 25 GHz, ANT H Band I 11a Middle channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1121.88	44.29	-0.98	74	29.71	Peak	204.1	150	Horizontal	Pass
2	3170.83	45.59	1.85	74	28.41	Peak	305.5	150	Horizontal	Pass
3	3962.04	51.32	9.97	74	22.68	Peak	166.5	150	Horizontal	Pass
4	9953.41	44.27	18.92	74	29.73	Peak	17.4	150	Horizontal	Pass
5	14341.10	47.13	11.37	74	26.87	Peak	115.1	150	Horizontal	Pass
6	22853.58	48.49	12.84	74	25.51	Peak	31	150	Horizontal	Pass

1 GHz to 25 GHz, ANT V Band I 11a High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1211.45	39.62	-6.11	74	34.38	Peak	255.9	150	Vertical	Pass
2	1508.37	41.10	-4.35	74	32.90	Peak	143.7	150	Vertical	Pass
3	1970.76	41.91	-2.48	74	32.09	Peak	252.6	150	Vertical	Pass
4	10660.98	46.05	19.00	74	27.95	Peak	212.7	150	Vertical	Pass
5	13852.33	44.66	9.67	74	29.34	Peak	144.7	150	Vertical	Pass
6	22544.09	47.96	11.85	74	26.04	Peak	46.2	150	Vertical	Pass

1 GHz to 25 GHz, ANT H Band I 11a High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1353.65	41.89	-4.49	74	32.11	Peak	39	150	Horizontal	Pass
2	2774.23	44.36	9.01	74	29.65	Peak	102.6	150	Horizontal	Pass
3	4237.76	50.34	10.22	74	23.66	Peak	175.5	150	Horizontal	Pass
4	10997.92	41.59	20.20	74	32.41	Peak	206	150	Horizontal	Pass
5	17024.13	46.20	20.71	74	27.80	Peak	215.2	150	Horizontal	Pass
6	22254.58	47.04	9.43	74	26.96	Peak	355.6	150	Horizontal	Pass

1 GHz to 25 GHz, ANT V Band I 11n20 Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1028.49	41.52	-5.46	74	32.48	Peak	224.2	150	Vertical	Pass
2	1527.37	42.67	-4.24	74	31.34	Peak	179.6	150	Vertical	Pass
3	1802.80	40.90	-3.79	74	33.10	Peak	28.9	150	Vertical	Pass
4	8661.81	43.06	16.31	74	30.94	Peak	262.3	150	Vertical	Pass
5	12289.52	47.35	9.64	74	26.65	Peak	160.7	150	Vertical	Pass
6	24341.10	47.21	13.40	74	26.79	Peak	300.5	150	Vertical	Pass

1 GHz to 25 GHz, ANT H Band I 11n20 Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1985.02	45.62	-0.22	74	28.38	Peak	77.4	150	Horizontal	Pass
2	2740.26	45.35	9.23	74	28.66	Peak	282.6	150	Horizontal	Pass
3	4621.38	47.50	13.58	74	26.50	Peak	325.4	150	Horizontal	Pass
4	6202.16	43.85	15.11	74	30.15	Peak	357.8	150	Horizontal	Pass
5	16566.56	52.83	9.03	74	21.17	Peak	235	150	Horizontal	Pass
6	18615.23	45.99	12.30	74	28.01	Peak	23.7	150	Horizontal	Pass

1 GHz to 25 GHz, ANT V Band I 11n20 Middle channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1332.42	42.35	-5.87	74	31.66	Peak	64.4	150	Vertical	Pass
2	1400.40	42.20	-4.37	74	31.80	Peak	63.6	150	Vertical	Pass
3	1677.83	44.36	-4.32	74	29.65	Peak	285.5	150	Vertical	Pass
4	11806.57	46.16	20.00	74	27.84	Peak	142.1	150	Vertical	Pass
5	17960.07	46.34	10.05	74	27.67	Peak	300.4	150	Vertical	Pass
6	23482.53	50.28	12.68	74	23.72	Peak	34.8	150	Vertical	Pass

1 GHz to 25 GHz, ANT H Band I 11n20 Middle channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1787.21	43.39	-1.06	74	30.61	Peak	137.9	150	Horizontal	Pass
2	3161.84	45.78	8.97	74	28.22	Peak	227.2	150	Horizontal	Pass
3	5880.12	48.63	10.79	74	25.37	Peak	40.9	150	Horizontal	Pass
4	11873.96	44.57	14.27	74	29.43	Peak	66.5	150	Horizontal	Pass
5	15204.24	46.13	11.44	74	27.87	Peak	265.3	150	Horizontal	Pass
6	23632.28	46.91	11.14	74	27.09	Peak	277.4	150	Horizontal	Pass

1 GHz to 25 GHz, ANT V Band I 11n20 High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1361.91	39.82	-5.87	74	34.18	Peak	256.7	150	Vertical	Pass
2	1445.39	42.31	-4.53	74	31.69	Peak	282.7	150	Vertical	Pass
3	1590.35	43.62	-4.02	74	30.38	Peak	347.3	150	Vertical	Pass
4	11211.31	45.27	20.04	74	28.74	Peak	176.5	150	Vertical	Pass
5	13789.93	46.70	11.30	74	27.30	Peak	208.5	150	Vertical	Pass
6	20876.87	47.19	11.93	74	26.81	Peak	9.2	150	Vertical	Pass

1 GHz to 25 GHz, ANT H Band I 11n20 High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2250.75	46.72	-0.29	74	27.28	Peak	122.6	150	Horizontal	Pass
2	2640.36	47.97	9.29	74	26.03	Peak	111	150	Horizontal	Pass
3	4837.16	50.45	11.06	74	23.55	Peak	168.1	150	Horizontal	Pass
4	11200.08	48.06	20.03	74	25.94	Peak	313.9	150	Horizontal	Pass
5	15828.20	43.46	12.65	74	30.54	Peak	205.9	150	Horizontal	Pass
6	21795.34	48.19	11.97	74	25.82	Peak	357.2	150	Horizontal	Pass

1 GHz to 25 GHz, ANT V Band I 11n40 Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1202.95	40.84	-5.25	74	33.16	Peak	289.4	150	Vertical	Pass
2	1505.37	41.43	-4.35	74	32.57	Peak	356.8	150	Vertical	Pass
3	1603.85	41.55	-4.16	74	32.45	Peak	175.9	150	Vertical	Pass
4	7943.01	48.92	18.81	74	25.08	Peak	309.6	150	Vertical	Pass
5	14746.67	46.29	9.03	74	27.71	Peak	39.8	150	Vertical	Pass
6	19868.55	43.78	10.90	74	30.23	Peak	334.8	150	Vertical	Pass

1 GHz to 25 GHz, ANT H Band I 11n40 Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1195.80	44.85	-1.17	74	29.15	Peak	171.4	150	Horizontal	Pass
2	2638.36	47.37	0.53	74	26.64	Peak	258.9	150	Horizontal	Pass
3	4042.96	47.89	12.92	74	26.11	Peak	49.4	150	Horizontal	Pass
4	9380.62	49.89	18.99	74	24.11	Peak	253	150	Horizontal	Pass
5	17814.48	44.97	9.25	74	29.03	Peak	215	150	Horizontal	Pass
6	18261.65	46.61	11.76	74	27.39	Peak	148.8	150	Horizontal	Pass

1 GHz to 25 GHz, ANT V Band I 11n40 High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1363.91	42.78	-5.94	74	31.22	Peak	219	150	Vertical	Pass
2	1544.36	44.06	-4.19	74	29.94	Peak	317.6	150	Vertical	Pass
3	1953.76	45.46	-2.36	74	28.54	Peak	286.1	150	Vertical	Pass
4	10874.38	50.78	20.20	74	23.22	Peak	293.5	150	Vertical	Pass
5	15225.04	44.89	10.32	74	29.11	Peak	9.2	150	Vertical	Pass
6	18240.85	45.95	9.70	74	28.05	Peak	163.1	150	Vertical	Pass

1 GHz to 25 GHz, ANT H Band I 11n40 High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1527.47	45.84	-6.18	74	28.16	Peak	47.1	150	Horizontal	Pass
2	3284.72	46.08	2.43	74	27.92	Peak	125.5	150	Horizontal	Pass
3	5565.44	51.55	15.18	74	22.45	Peak	53.5	150	Horizontal	Pass
4	7291.60	44.65	16.80	74	29.35	Peak	239.4	150	Horizontal	Pass
5	17689.68	42.74	9.24	74	31.26	Peak	124.4	150	Horizontal	Pass
6	19658.90	46.82	10.93	74	27.18	Peak	128.4	150	Horizontal	Pass

1 GHz to 25 GHz, ANT V Band | 11ac80 Middle channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	1018.00	39.35	-6.13	74	34.65	Peak	146.1	150	Vertical	Pass
2	1539.87	44.80	-4.19	74	29.20	Peak	101.7	150	Vertical	Pass
3	1824.29	43.27	-4.25	74	30.73	Peak	162.2	150	Vertical	Pass
4	10672.21	49.54	19.21	74	24.46	Peak	308.6	150	Vertical	Pass
5	14985.86	42.88	20.64	74	31.13	Peak	58.9	150	Vertical	Pass
6	20407.65	44.70	11.78	74	29.30	Peak	222.1	150	Vertical	Pass

1 GHz to 25 GHz, ANT H Band | 11ac80 Middle channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2382.62	46.18	-0.52	74	27.82	Peak	284.6	150	Horizontal	Pass
2	2818.18	45.39	8.96	74	28.61	Peak	332.7	150	Horizontal	Pass
3	4588.41	49.99	15.70	74	24.01	Peak	214.7	150	Horizontal	Pass
4	7022.05	45.08	15.59	74	28.92	Peak	118.4	150	Horizontal	Pass
5	14278.70	43.78	9.47	74	30.22	Peak	235.7	150	Horizontal	Pass
6	18282.45	48.78	12.11	74	25.22	Peak	328.4	150	Horizontal	Pass

Band Edge (Restricted-band)

Note 1: All antennas have been tested, only the worst configuration (ANT 0) show here.

Note 2: Test plots please refer to the document “Annex No.: BL-SZ1680175-604 Data Part 5.pdf”.

Test Band	Mode	Channel	Verdict
Band 1	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(HT80)	Low	Pass
	Band 2	Low	Pass
		High	Pass
		Low	Pass
		High	Pass
		Low	Pass
		High	Pass
		Low	Pass
		High	Pass
Band 3	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(HT80)	Low	Pass
	Band 4	Low	Pass
		High	Pass
		Low	Pass
		High	Pass
		Low	Pass
		High	Pass
		Low	Pass
		High	Pass

A.8 Frequency Stability

ANT 0

Band II:

Voltage vs. Frequency Stability (5320)

Test Conditions		Test Frequency (MHz)	0 Minute		2 Minute		5 Minute		10Minute	
TEMP. (°C)	Voltage (VDC)		Measurem ent Frequency (MHz)	Max. Deviation (ppm)	Measure m ent Frequency (MHz)	Max. Deviation (ppm)	Measure m ent Frequency (MHz)	Max. Deviation (ppm)	Measure m ent Frequency (MHz)	Max. Deviation (ppm)
20	17	5320	5319.9679 96	-6.02 286	5320.005 286	0.99	5319.975 220	-4.66 170	5319.968 170	-5.98
	19	5320	5320.0462 95	8.70 352	5319.995 352	-0.87	5320.003 408	0.64	5320.032 550	6.12
	21	5320	5320.0178 53	3.36 262	5320.022 262	4.18	5320.025 852	4.86	5320.005 589	1.05

Temperature vs. Frequency Stability (5320)

Test Conditions		Test Frequency (MHz)	0 Minute		2 Minute		5 Minute		10Minute	
Voltage (VDC)	TEMP. (°C)		Measurem ent Frequency (MHz)	Max. Deviation (ppm)	Measure m ent Frequency (MHz)	Max. Deviation (ppm)	Measure m ent Frequency (MHz)	Max. Deviation (ppm)	Measure m ent Frequency (MHz)	Max. Deviation (ppm)
19	-30	5320	5319.9747 78	-4.74 463	5319.992 463	-1.42	5319.973 008	-5.07	5319.957 106	-8.06
	-20	5320	5320.0333 63	6.27 642	5320.009 642	1.81	5320.047 354	8.90	5320.031 831	5.98
	-10	5320	5320.0349 72	6.57 035	5320.002 035	0.38	5320.048 157	9.05	5320.019 365	3.64
	0	5320	5320.0436 35	8.20 981	5320.013 981	2.63	5320.040 392	7.59	5320.000 589	0.11
	10	5320	5319.9619 86	-7.15 406	5319.974 406	-4.81	5319.971 544	-5.35	5319.985 699	-2.69
	20	5320	5320.0204 32	3.84 681	5320.038 681	7.27	5320.037 832	7.11	5320.018 679	3.51
	30	5320	5320.0424 57	7.98 220	5320.007 220	1.36	5320.032 842	6.17	5320.018 693	3.51
	40	5320	5320.0164 80	3.10 247	5320.006 247	1.17	5320.047 247	8.88	5320.017 831	3.35
	50	5320	5320.0105 51	1.98 100	5320.029 100	5.47	5320.018 689	3.51	5319.980 868	-3.60

ANT 1
Band II:
Voltage vs. Frequency Stability (5320)

Test Conditions		Test Frequency (MHz)	0 Minute		2 Minute		5 Minute		10 Minute	
TEMP. (°C)	Voltage (VDC)		Measurem ent Frequency (MHz)	Max. Deviation (ppm)	Measure m ent Frequency (MHz)	Max. Deviation (ppm)	Measure m ent Frequency (MHz)	Max. Deviation (ppm)	Measure m ent Frequency (MHz)	Max. Deviation (ppm)
20	17	5320	5319.9820 58	-3.37	5320.031 326	5.89	5320.009 365	1.76	5319.954 192	-8.61
	19	5320	5320.0375 51	7.06	5319.955 351	-8.39	5320.025 637	4.82	5320.019 126	3.60
	21	5320	5320.0150 66	2.83	5320.030 449	5.72	5319.988 919	-2.08	5320.008 190	1.54

Temperature vs. Frequency Stability (5320)

Test Conditions		Test Frequency (MHz)	0 Minute		2 Minute		5 Minute		10 Minute	
Voltage (VDC)	TEMP. (°C)		Measurem ent Frequency (MHz)	Max. Deviation (ppm)	Measure m ent Frequency (MHz)	Max. Deviation (ppm)	Measure m ent Frequency (MHz)	Max. Deviation (ppm)	Measure m ent Frequency (MHz)	Max. Deviation (ppm)
19	-30	5320	5319.9679 33	-6.03	5319.962 250	-7.10	5319.973 808	-4.92	5319.984 527	-2.91
	-20	5320	5320.0113 03	2.12	5320.014 955	2.81	5320.027 379	5.15	5320.023 214	4.36
	-10	5320	5320.0056 29	1.06	5320.049 227	9.25	5320.034 146	6.42	5320.030 508	5.73
	0	5320	5320.0378 32	7.11	5320.047 735	8.97	5320.046 696	8.78	5320.049 325	9.27
	10	5320	5319.9889 46	-2.08	5319.979 540	-3.85	5319.979 074	-3.93	5319.950 089	-9.38
	20	5320	5320.0097 17	1.83	5320.014 873	2.80	5320.025 124	4.72	5320.006 325	1.19
	30	5320	5320.0005 58	0.10	5320.029 856	5.61	5320.018 749	3.52	5320.002 163	0.41
	40	5320	5320.0366 44	6.89	5320.016 984	3.19	5320.009 425	1.77	5320.028 320	5.32
	50	5320	5319.9879 32	-2.27	5319.967 753	-6.06	5320.019 806	3.72	5320.018 488	3.48

ANNEX B TEST SETUP PHOTOS

Please refer the document "BL-SZ16B0261-AR.PDF".

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document "BL-SZ16B0261-AW.PDF".

ANNEX D EUT INTERNAL PHOTOS

Please refer the document "BL-SZ16B0261-AI.PDF".

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