

# Global United Technology Services Co., Ltd.

Report No.: GTS201805000172F03

## FCC Report (WIFI)

**Applicant:** Mason America, Inc.

**Address of Applicant:** 300 Park Street, Suite 380, Birmingham, Michigan 48009,

**United States** 

Manufacturer: Mason America, Inc.

Address of 300 Park Street, Suite 380, Birmingham, Michigan 48009,

Manufacturer: **United States** 

**Equipment Under Test (EUT)** 

**Product Name:** Smart phone

Model No.: D450A

Trade Mark: MASON

FCC ID: 2AJZP-D450A

**Applicable standards:** FCC CFR Title 47 Part 15 Subpart C Section 15.247

Date of sample receipt: May 10, 2018

**Date of Test:** May 11, 2018-June 04, 2018

Date of report issued: June 05, 2018

**Test Result:** PASS \*

Authorized Signature:

**Laboratory Manager** 

This results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

<sup>\*</sup> In the configuration tested, the EUT complied with the standards specified above.



## 2 Version

Version No.	Date	Description
00	June 05, 2018	Original

Prepared By:	Jeger Chen	Date:	June 05, 2018
	Project Engineer		
Check By:	Andy wa	Date:	June 05, 2018



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## 4 Test Summary

Test Item	Section in CFR 47	Result
Antenna requirement	15.203/15.247 (c)	Pass
AC Power Line Conducted Emission	15.207	Pass
Conducted Peak Output Power	15.247 (b)(3)	Pass
Channel Bandwidth	15.247 (a)(2)	Pass
Power Spectral Density	15.247 (e)	Pass
Band Edge	15.247(d)	Pass
Spurious Emission	15.205/15.209	Pass

Remark: Test according to ANSI C63.10:2013.

Pass: The EUT complies with the essential requirements in the standard.

#### **Measurement Uncertainty**

Test Item	Frequency Range Measurement Uncertainty		Notes
Radiated Emission	9kHz ~ 30MHz	± 4.34dB	(1)
Radiated Emission	30MHz ~ 1000MHz	± 4.24dB	(1)
Radiated Emission	1GHz ~ 26.5GHz	± 4.68dB	(1)
AC Power Line Conducted Emission	0.15MHz ~ 30MHz	± 3.45dB	(1)
Note (1): The measurement uncer	tainty is for coverage factor of k=2	2 and a level of confidence of 95%	, o.



## **5** General Information

## 5.1 General Description of EUT

<u>-</u>	
Product Name:	Smart phone
Model No.:	D450A
Serial No.:	MX-QD0201-R5FHN-7PAC8-VEFIPI
Test sample(s) ID:	GTS201805000172-1
Sample(s) Status	Engineer sample
Hardware version:	H01
Software version:	D450A-H01-S005
Channel numbers:	802.11b/802.11g /802.11n(HT20): 11
	802.11n(HT40):7
Channel separation:	5MHz
Modulation technology:	802.11b: Direct Sequence Spread Spectrum (DSSS)
	802.11g/802.11n(H20)/802.11n(HT40):
	Orthogonal Frequency Division Multiplexing (OFDM)
Antenna Type:	Integral Antenna
Antenna gain:	0.85 dBi(declare by applicant)
Power supply:	ADAPTER POWER
	Model: A138A-120150U-US2
	Input: AC 100-240V, 50/60Hz, 0.5A
	Output: DC 5V, 2.5A/9V, 2A/12V, 1.5A
	DC 3.85V, 4000mAh Li-Pol 15.4Wh



Operation Frequency each of channel								
Channel	Channel Frequency Channel Frequency Channel Frequency Channel Frequency							
1	2412MHz	4	2427MHz	7	2442MHz	10	2457MHz	
2	2417MHz	5	2432MHz	8	2447MHz	11	2462MHz	
3	2422MHz	6	2437MHz	9	2452MHz			

#### Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

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



#### 5.2 Test mode

Transmitting mode Keep the EUT in continuously transmitting mode

Remark: During the test, the dutycycle >98%, the test voltage was tuned from 85% to 115% of the nominal rated supply voltage, and found that the worst case was under the nominal rated supply condition. So the report just shows that condition's data.

We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

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

Mode	802.11b	802.11g	802.11n(HT20)	802.11n(HT40)
Data rate	1Mbps	6Mbps	6.5Mbps	13Mbps

#### 5.3 Description of Support Units

None

#### 5.4 Test Facility

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

• FCC —Registration No.: 381383

Global United Technology Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in files. Registration 381383, January 08, 2018.

• Industry Canada (IC) —Registration No.: 9079A-2

The 3m Semi-anechoic chamber of Global United Technology Services Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 9079A-2, August 15, 2016.

#### 5.5 Test Location

All tests were performed at:

Global United Technology Services Co., Ltd.

Address: No. 301-309, 3/F., Jinyuan Business Building, No.2, Laodong Industrial Zone, Xixiang Road,

Baoan District, Shenzhen, Guangdong, China 518102

Tel: 0755-27798480 Fax: 0755-27798960

Xixiang Road, Baoan District, Shenzhen, Guangdong, China 518102

Telephone: +86 (0) 755 2779 8480 Fax: +86 (0) 755 2779 8960

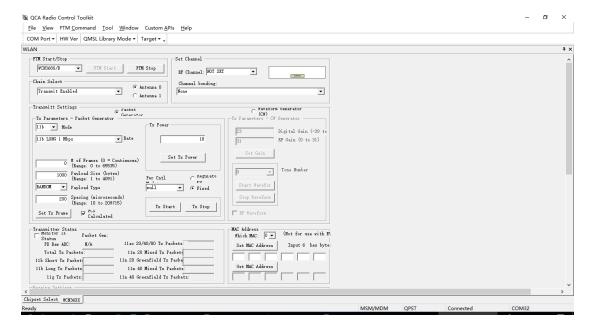


#### 5.6 Additional Instructions

#### **EUT Software Settings:**

Mode	The software provided	Special software is used.  The software provided by client to enable the EUT under transmission condition continuously at specific channel frequencies individually.						
Test Software Name	QRCT 3	QRCT 3						
Mode	Channel	Channel Frequency (MHz) Software Set						
802.11b/g/n(HT20)/n(HT40)	CH1/CH3	2412/2422						
	CH6	2437	TX level : As below					
	CH11/CH9	2462/2452						

802.11b	802.11b	802.11b	802.11g	802.11g	802.11g
CH1	CH6	CH11	CH1	CH6	CH11
18	14	18	16	12	16
802.11n(HT20)	802.11n(HT20)	802.11n(HT20)	802.11n(HT40)	802.11n(HT40)	802.11n(HT40)
CH1	CH6	CH11	CH3	CH6	CH9
15	11	15	14	11	14





## 6 Test Instruments list

Radi	Radiated Emission:								
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)			
1	3m Semi- Anechoic Chamber	ZhongYu Electron	9.2(L)*6.2(W)* 6.4(H)	GTS250	July 03 2015	July 02 2020			
2	Control Room	ZhongYu Electron	6.2(L)*2.5(W)* 2.4(H)	GTS251	N/A	N/A			
3	Spectrum Analyzer	Agilent	E4440A	GTS533	June 28 2017	June 27 2018			
4	EMI Test Receiver	Rohde & Schwarz	ESU26	GTS203	June 28 2017	June 27 2018			
5	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	GTS214	June 28 2017	June 27 2018			
6	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	9120D-829	GTS208	June 28 2017	June 27 2018			
7	Horn Antenna	ETS-LINDGREN	3160	GTS217	June 28 2017	June 27 2018			
8	EMI Test Software	AUDIX	E3	N/A	N/A	N/A			
9	Coaxial Cable	GTS	N/A	GTS213	June 28 2017	June 27 2018			
10	Coaxial Cable	GTS	N/A	GTS211	June 28 2017	June 27 2018			
11	Coaxial cable	GTS	N/A	GTS210	June 28 2017	June 27 2018			
12	Coaxial Cable	GTS	N/A	GTS212	June 28 2017	June 27 2018			
13	Amplifier(100kHz-3GHz)	HP	8347A	GTS204	June 28 2017	June 27 2018			
14	Amplifier(2GHz-20GHz)	HP	8349B	GTS206	June 28 2017	June 27 2018			
15	Amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	June 28 2017	June 27 2018			
16	Band filter	Amindeon	82346	GTS219	June 28 2017	June 27 2018			
17	Power Meter	Anritsu	ML2495A	GTS540	June 28 2017	June 27 2018			
18	Power Sensor	Anritsu	MA2411B	GTS541	June 28 2017	June 27 2018			
19	Loop Antenna	ZHINAN	ZN30900A	GTS534	June 28 2017	June 27 2018			



Conduct	Conducted Emission:								
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)			
1	Shielding Room	ZhongYu Electron	7.3(L)x3.1(W)x2.9(H)	GTS252	May.16 2014	May.15 2019			
2	EMI Test Receiver	R&S	ESCI7	GTS552	June 28 2017	June 27 2018			
3	Coaxial Switch	ANRITSU CORP	MP59B	GTS225	June 28 2017	June 27 2018			
4	Artificial Mains Network	SCHWARZBECK MESS	NSLK8127	GTS226	June 28 2017	June 27 2018			
5	Coaxial Cable	GTS	N/A	GTS227	N/A	N/A			
6	EMI Test Software	AUDIX	E3	N/A	N/A	N/A			
7	Thermo meter	KTJ	TA328	GTS233	June 28 2017	June 27 2018			

Gen	General used equipment:							
lte m	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)		
1	Barometer	ChangChun	DYM3	GTS257	June 28 2017	June 27 2018		



#### 7 Test results and Measurement Data

#### 7.1 Antenna requirement

Standard requirement: FCC Part15 C Section 15.203 /247(c)

#### 15.203 requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

#### 15.247(c) (1)(i) requirement:

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

#### **EUT Antenna:**

The antenna is integral antenna, the best case gain of the antenna is 0.85 dBi





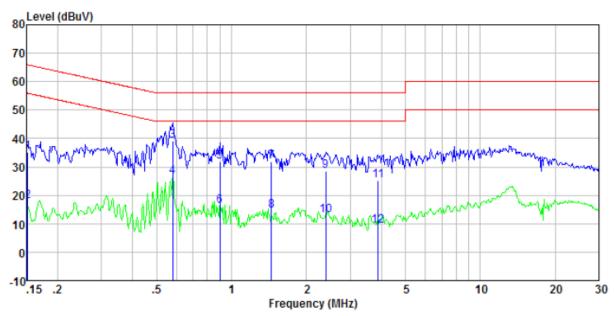
## 7.2 Conducted Emissions

Test Requirement:	FCC Part15 C Section 15.207					
Test Method:	ANSI C63.10:2013					
Test Frequency Range:	150KHz to 30MHz					
Receiver setup:	RBW=9KHz, VBW=30KHz, Sv	weep time=auto				
Limit:	Frequency range (MHz)	Limit (d	lBuV)			
	Quasi-peak Average					
	0.15-0.5	66 to 56*	56 to 46*			
	0.5-5	56	46			
	5-30	60	50			
Test setup:	* Decreases with the logarithm	of the frequency.				
Test procedure:	Reference Plane  LISN  40cm 80cm Filter AC power  Equipment  Test table/Insulation plane  Remark E.U.T. Equipment Under Test LISN: Line Impedence Stabilization Network Test table height=0.8m					
Test procedure:	<ol> <li>The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment.</li> <li>The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm</li> </ol>					
	termination. (Please refer to photographs).	the block diagram of th	ne test setup and			
	3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10:2013 on conducted measurement.					
Test Instruments:	Refer to section 6.0 for details					
Test mode:	Refer to section 5.2 for details					
Test results:	Pass					



#### Measurement data

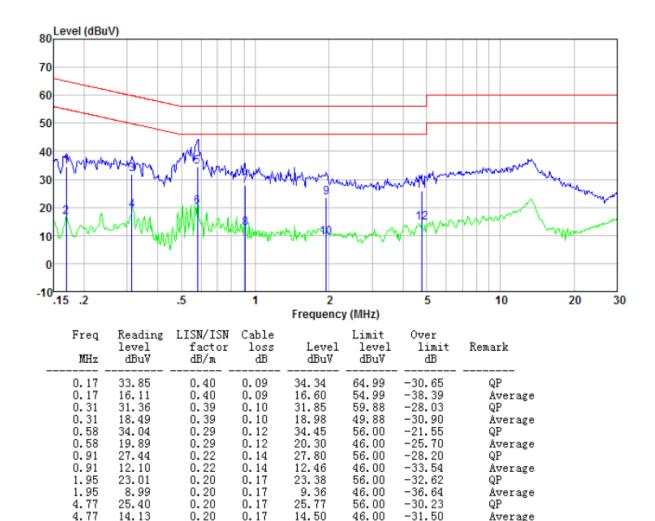
Polarizatioin:	Line:	Test mode	WIFI
Temp.:	35℃	Humidity.	55%



Freq MHz	Reading level dBuV	LISN/ISN factor dB/m	Cable loss dB	Level dBuV	Limit level dBuV	Over limit dB	Remark
0.15	34.64	0.40	0.07	35.11	65.91	-30.80	QP
0.15	17.49	0.40	0.07	17.96	55.91	-37.95	Average
0.58	38.68	0.29	0.12	39.09	56.00	-16.91	QP
0.58	26.21	0.29	0.12	26.62	46.00	-19.38	Average
0.90	31.36	0.22	0.14	31.72	56.00	-24.28	QP
0.90	15.99	0.22	0.14	16.35	46.00	-29.65	Average
1.45	31.37	0.20	0.16	31.73	56.00	-24.27	QP
1.45	14.12	0.20	0.16	14.48	46.00	-31.52	Average
2.40	28.01	0.20	0.18	28.39	56.00	-27.61	QP
2.40	12.69	0.20	0.18	13.07	46.00	-32.93	Average
3.88	24.71	0.20	0.18	25.09	56.00	-30.91	QP
3.88	8.90	0.20	0.18	9.28	46.00	-36.72	Average



Polarizatioin:	Neutral:	Test mode	WIFI
Temp.:	35℃	Humidity.	55%



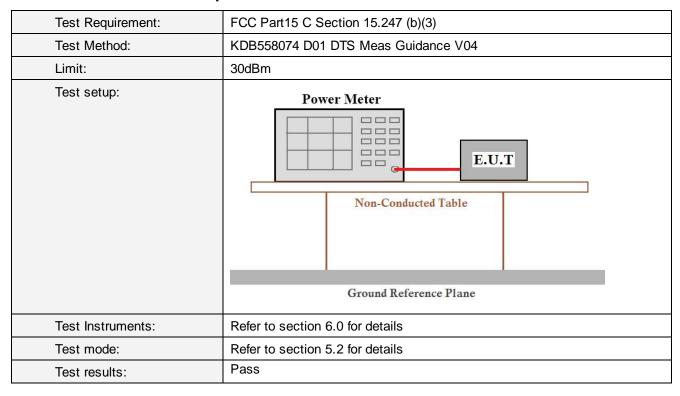
#### Notes:

- 1. An initial pre-scan was performed on the line and neutral lines with peak detector.
- 2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3. Final Level = Receiver Read level + LISN Factor + Cable Loss
- 4. If the average limit is met when using a quasi-peak detector receiver, the EUT shall be deemed to meet both limits and measurement with the average detector receiver is unnecessary.

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## 7.3 Conducted Peak Output Power

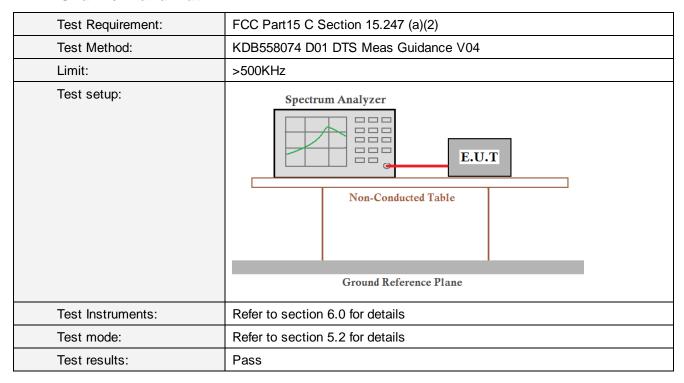


#### **Measurement Data**

Test CH		Peak Outp	Limit(dBm)	Result		
Test CIT	802.11b	802.11g	802.11n(HT20)	802.11n(HT40)	Limit(abin)	Nesuit
Lowest	18.31	17.09	15.64	13.44		
Middle	18.62	17.71	15.93	13.27	30.00	Pass
Highest	18.12	17.33	15.49	13.14		



#### 7.4 Channel Bandwidth



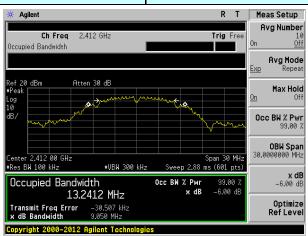
#### **Measurement Data**

Test CH		Channel E	Limit(KHz)	Result		
	802.11b	802.11g	802.11n(HT20)	802.11n(HT40)	Lillin(Ki iZ)	Nesult
Lowest	9.050	16.434	17.634	35.254		
Middle	9.077	16.453	17.648	35.453	>500	Pass
Highest	8.166	16.409	16.085	35.200		

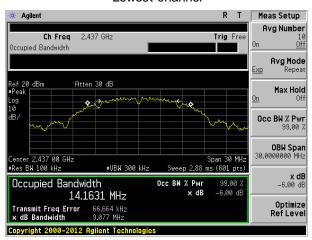


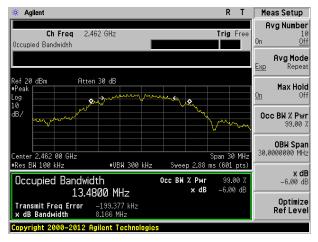
#### Test plot as follows:

Test mode: 802.11b



#### Lowest channel

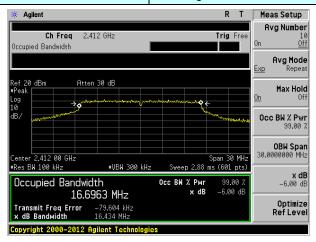




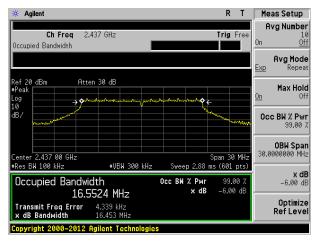
Highest channel

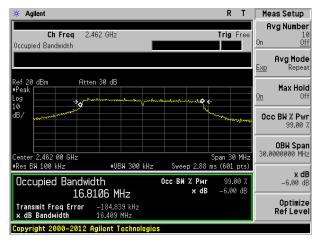


Test mode: 802.11g



#### Lowest channel

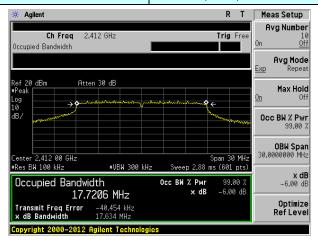




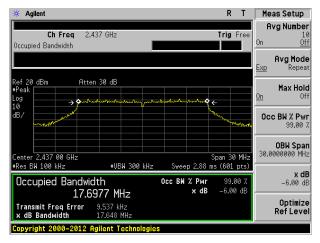
Highest channel

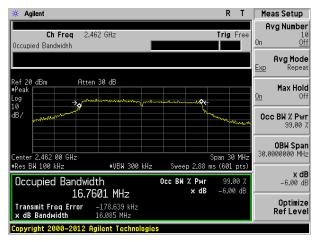


Test mode: 802.11n(HT20)



#### Lowest channel

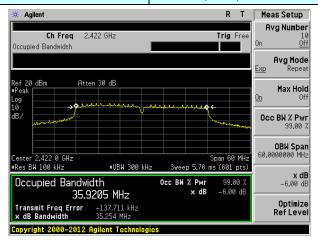




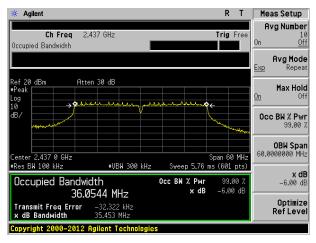
Highest channel

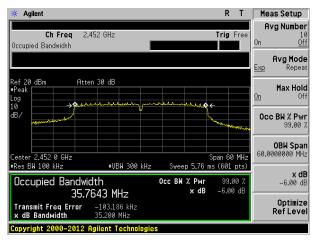


Test mode: 802.11n(HT40)



#### Lowest channel

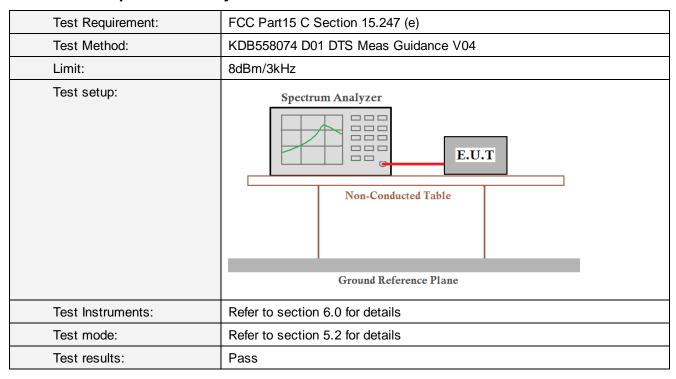




Highest channel



## 7.5 Power Spectral Density



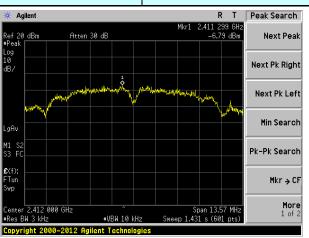
#### **Measurement Data**

Test CH		Power Spec	Limit	Result		
1631 011	802.11b	802.11g	802.11n(HT20)	802.11n(HT40)	(dBm/3kHz)	Nesuit
Lowest	-6.79	-12.52	-12.29	-17.97		
Middle	-6.45	-12.37	-12.40	-17.30	8.00	Pass
Highest	-6.93	-11.35	-12.10	-17.49		

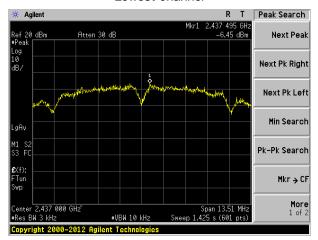


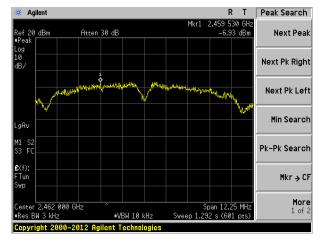
#### Test plot as follows:

Test mode: 802.11b



#### Lowest channel

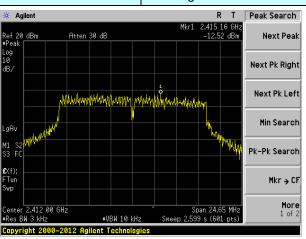




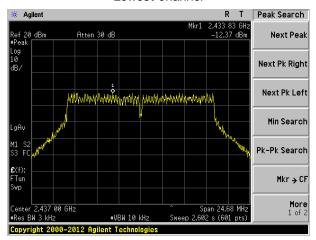
Highest channel

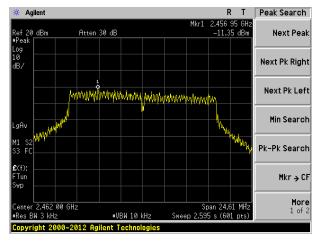


Test mode: 802.11g



#### Lowest channel

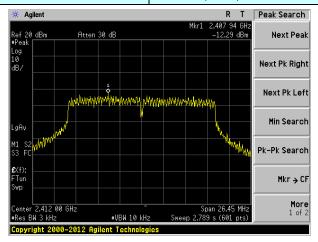




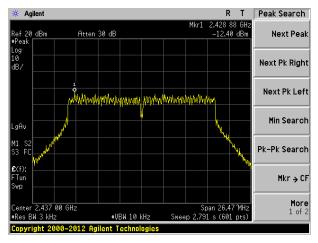
Highest channel

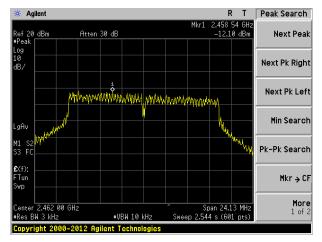


Test mode: 802.11n(HT20)



#### Lowest channel

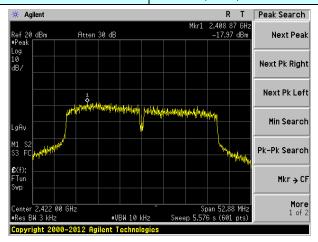




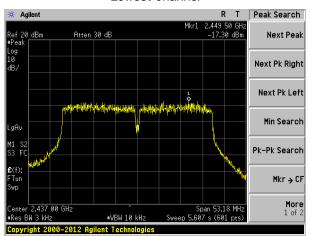
Highest channel

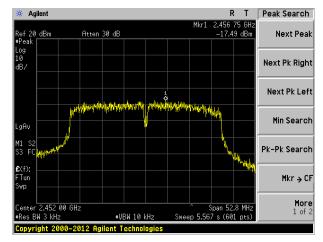


Test mode: 802.11n(HT40)



#### Lowest channel





Highest channel



## 7.6 Band edges

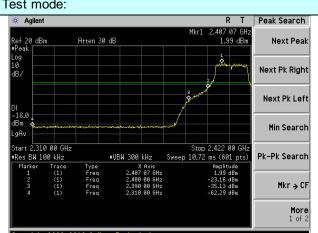
#### 7.6.1 Conducted Emission Method

Test Requirement:	FCC Part15 C Section 15.247 (d)				
Test Method:	KDB558074 D01 DTS Meas Guidance V04				
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.				
Test setup:	Spectrum Analyzer  E.U.T  Non-Conducted Table  Ground Reference Plane				
Test Instruments:	Refer to section 6.0 for details				
Test mode:	Refer to section 5.2 for details				
Test results:	Pass				



#### Test plot as follows:



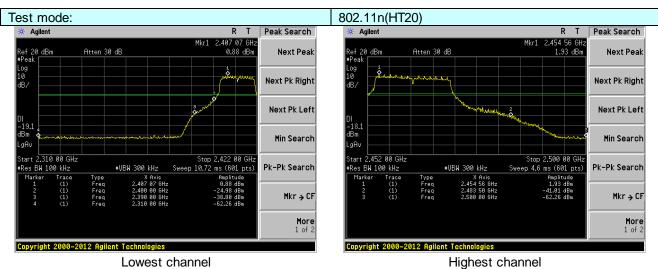




Lowest channel

Highest channel

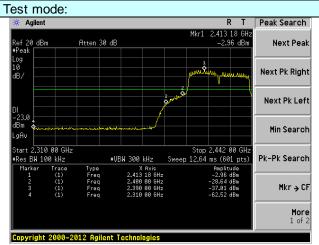




Lowest channel

802.11n(HT40) Agilent R T Peak Search Atten 30 dB Next Peak Next Pk Right Next Pk Left Min Search Start 2.432 00 GHz •Res BW 100 kHz Stop 2.500 00 GHz Sweep 6.52 ms (601 pts) Pk-Pk Search #VBW 300 kHz

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Lowest channel

Highest channel

Mkr → CF

More 1 of 2



#### 7.6.2 Radiated Emission Method

Test Requirement:	FCC Part15 C S	FCC Part15 C Section 15.209 and 15.205					
Test Method:	ANSI C63.10:20						
Test Frequency Range:		All of the restrict bands were tested, only the worst band's (2310MHz to 2500MHz) data was showed.					
Test site:	Measurement D	istance: 3m					
Receiver setup:	Frequency	Detector	RBW	VBW	Value		
	Above 1GHz	Peak	1MHz	3MHz	Peak		
	Above 1GHz	Average	1MHz	3MHz	Average		
Limit:	Freque	ncy	Limit (dBuV/	m @3m)	Value		
	Above 1	GHz	54.0	0	Average		
	7,0000	0112	74.0	0	Peak		
	Tum Table < 1m 4m > √    Company   Company						
Test Procedure:	1. The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.  2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.  3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.  4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.  5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.  6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.  7. The radiation measurements are performed in X, Y, Z axis positioning.						
Test Instruments:	Refer to section	node is recorded 6.0 for details					
Test mode:	Refer to section						



Test results: Pass

#### Measurement data:

Remark: The pre-test were performed on lowest, middle and highest frequencies, only the worst case's (lowest and highest frequencies) data was showed.

Test mode:	802.11b	Test channel:	Lowest

#### Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	49.90	27.91	5.30	24.64	58.47	74.00	-15.53	Horizontal
2390.00	58.32	27.59	5.38	24.71	66.58	74.00	-7.42	Horizontal
2310.00	51.46	27.91	5.30	24.64	60.03	74.00	-13.97	Vertical
2390.00	59.65	27.59	5.38	24.71	67.91	74.00	-6.09	Vertical

#### Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	37.16	27.91	5.30	24.64	45.73	54.00	-8.27	Horizontal
2390.00	45.27	27.59	5.38	24.71	53.53	54.00	-0.47	Horizontal
2310.00	38.84	27.91	5.30	24.64	47.41	54.00	-6.59	Vertical
2390.00	46.26	27.59	5.38	24.71	54.52	54.00	0.52	Vertical
Test mode:		802.1	1b	Te	st channel:		Highest	

#### Peak value:

reak value	· •							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	49.80	27.53	5.47	24.80	58.00	74.00	-16.00	Horizontal
2500.00	46.19	27.55	5.49	24.86	54.37	74.00	-19.63	Horizontal
2483.50	51.70	27.53	5.47	24.80	59.90	74.00	-14.10	Vertical
2500.00	48.37	27.55	5.49	24.86	56.55	74.00	-17.45	Vertical

#### Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	37.26	27.53	5.47	24.80	45.46	54.00	-8.54	Horizontal
2500.00	33.70	27.55	5.49	24.86	41.88	54.00	-12.12	Horizontal
2483.50	39.05	27.53	5.47	24.80	47.25	54.00	-6.75	Vertical
2500.00	35.51	27.55	5.49	24.86	43.69	54.00	-10.31	Vertical

#### Remark:

- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.

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Test mode:		802.1	1g		Test	t channel:		Lowest	
Peak value	:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Pream Facto (dB)	or	Level (dBuV/m)	Limit Line (dBuV/m)	Limit	Polarization
2310.00	49.88	27.91	5.30	24.64	4	58.45	74.00	-15.55	Horizontal
2390.00	58.30	27.59	5.38	24.71	1	66.56	74.00	-7.44	Horizontal
2310.00	51.44	27.91	5.30	24.64	4	60.01	74.00	-13.99	Vertical
2390.00	59.62	27.59	5.38	24.71	1	67.88	74.00	-6.12	Vertical
Average va	lue:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Pream Facto (dB)	or .	Level (dBuV/m)	Limit Line (dBuV/m)	I I imit	Polarization
2310.00	37.15	27.91	5.30	24.64	4	45.72	54.00	-8.28	Horizontal
2390.00	45.26	27.59	5.38	24.71	1	53.52	54.00	-0.48	Horizontal
2310.00	38.83	27.91	5.30	24.64	4	47.40	54.00	-6.60	Vertical
2390.00	46.25 27.59		5.38	24.71	1	54.51	54.00	0.51	Vertical
Test mode:		802.1	1g		Test	t channel:		Highest	

#### Peak value:

i oun value	•							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	49.78	27.53	5.47	24.80	57.98	74.00	-16.02	Horizontal
2500.00	46.17	27.55	5.49	24.86	54.35	74.00	-19.65	Horizontal
2483.50	51.68	27.53	5.47	24.80	59.88	74.00	-14.12	Vertical
2500.00	48.35	27.55	5.49	24.86	56.53	74.00	-17.47	Vertical

#### Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	37.25	27.53	5.47	24.80	45.45	54.00	-8.55	Horizontal
2500.00	33.69	27.55	5.49	24.86	41.87	54.00	-12.13	Horizontal
2483.50	39.04	27.53	5.47	24.80	47.24	54.00	-6.76	Vertical
2500.00	35.50	27.55	5.49	24.86	43.68	54.00	-10.32	Vertical

#### Remark:

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.



Test mode:

Peak value:

Report No.: GTS201805000172F03

Lowest

•							
Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
50.20	27.91	5.30	24.64	58.77	74.00	-15.23	Horizontal
58.72	27.59	5.38	24.71	66.98	74.00	-7.02	Horizontal
51.78	27.91	5.30	24.64	60.35	74.00	-13.65	Vertical
60.13	27.59	5.38	24.71	68.39	74.00	-5.61	Vertical
lue:							
Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
37.38	27.91	5.30	24.64	45.95	54.00	-8.05	Horizontal
45.51	27.59	5.38	24.71	53.77	54.00	-0.23	Horizontal
39.08	27.91	5.30	24.64	47.65	54.00	-6.35	Vertical
46.53	27.59	5.38	24.71	54.79	54.00	0.79	Vertical
	802.1	1n(HT20)	Tes	st channel:	F	lighest	
:							
Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
50.23	27.53	5.47	24.80	58.43	74.00	-15.57	Horizontal
46.52	27.55	5.49	24.86	54.70	74.00	-19.30	Horizontal
52.19	27.53	5.47	24.80	60.39	74.00	-13.61	Vertical
48.76	27.55	5.49	24.86	56.94	74.00	-17.06	Vertical
امريار							
ilue.							
Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
Read Level	Factor	Loss	Factor			Limit	Polarization  Horizontal
Read Level (dBuV)	Factor (dB/m)	Loss (dB)	Factor (dB)	(dBuV/m)	(dBuV/m)	Limit (dB)	
Read Level (dBuV) 37.52	Factor (dB/m) 27.53	Loss (dB) 5.47	Factor (dB) 24.80	(dBuV/m) 45.72	(dBuV/m) 54.00	Limit (dB) -8.28	Horizontal
Read Level (dBuV) 37.52 33.90	Factor (dB/m) 27.53 27.55	Loss (dB) 5.47 5.49	Factor (dB) 24.80 24.86	(dBuV/m) 45.72 42.08	(dBuV/m) 54.00 54.00	Limit (dB) -8.28 -11.92	Horizontal Horizontal
	Level (dBuV) 50.20 58.72 51.78 60.13 Ilue:  Read Level (dBuV) 37.38 45.51 39.08 46.53 :  Read Level (dBuV) 50.23 46.52 52.19 48.76	Level (dBuV)         Factor (dB/m)           50.20         27.91           58.72         27.59           51.78         27.91           60.13         27.59           Ilue:           Read Antenna Factor (dBwV) (dB/m)           37.38         27.91           45.51         27.59           39.08         27.91           46.53         27.59           802.1           Read Antenna Factor (dBwV) (dB/m)           50.23         27.53           46.52         27.55           52.19         27.53           48.76         27.55	Level (dBuV)         Factor (dB/m)         Loss (dB)           50.20         27.91         5.30           58.72         27.59         5.38           51.78         27.91         5.30           60.13         27.59         5.38           Ilue:         Read Antenna Cable Factor Loss (dBuV) (dB/m) (dB)           37.38         27.91         5.30           45.51         27.59         5.38           39.08         27.91         5.30           46.53         27.59         5.38           802.11n(HT20)         :           Read Level (dBwV) (dB/m) (dB)         Cable Loss (dB/m) (dB)           50.23         27.53         5.47           46.52         27.55         5.49           52.19         27.53         5.47           48.76         27.55         5.49	Level (dBuV)         Factor (dB/m)         Loss (dB)         Factor (dB)           50.20         27.91         5.30         24.64           58.72         27.59         5.38         24.71           51.78         27.91         5.30         24.64           60.13         27.59         5.38         24.71           Ilue:         Read Antenna Cable Preamp Factor (dBwV)         Preamp Factor (dBw)         Factor (dBw)         Factor (dBw)           37.38         27.91         5.30         24.64           45.51         27.59         5.38         24.71           39.08         27.91         5.30         24.64           46.53         27.59         5.38         24.71           Read Level Factor (dBw) (dB/m) (dB/m) (dB/m) (dB) (dB/m)         Factor (dBw) (dB/m)         Factor (dB/m)         Factor (dB/m)         Factor (dB/m)           (dB/m) (dB/m) (dB/m)         (dB/m)         (dB/m)         24.86           52.19         27.53         5.47         24.80           48.76         27.55         5.49         24.86	Level (dBuV)         Factor (dB/m)         Loss (dB)         Factor (dB)         Level (dBuV/m)           50.20         27.91         5.30         24.64         58.77           58.72         27.59         5.38         24.71         66.98           51.78         27.91         5.30         24.64         60.35           60.13         27.59         5.38         24.71         68.39           Ilue:           Read Level (dBuV)         Antenna Cable Factor (dB)         Preamp Factor (dB)         Level (dBuV/m)           37.38         27.91         5.30         24.64         45.95           45.51         27.59         5.38         24.71         53.77           39.08         27.91         5.30         24.64         47.65           46.53         27.59         5.38         24.71         53.77           39.08         27.91         5.30         24.64         47.65           46.53         27.59         5.38         24.71         54.79           Evel (dBuV)         Level (dBuV)         Level (dBuV)         Level (dBuV)           (dBuV)         (dB)         (dB)         (dB)         Level (dBuV/m)           50.23	Level (dBuV)         Factor (dB/m)         Loss (dB)         Factor (dB)         Level (dBuV/m)         Limit Line (dBuV/m)           50.20         27.91         5.30         24.64         58.77         74.00           58.72         27.59         5.38         24.71         66.98         74.00           51.78         27.91         5.30         24.64         60.35         74.00           60.13         27.59         5.38         24.71         68.39         74.00           60.13         27.59         5.38         24.71         68.39         74.00           Ilue:           Read Level (dBuV)         Antenna Factor (dB)         Cable Factor (dB)         Level (dBuV/m)         Limit Line (dBuV/m)           (dB/m)         5.30         24.64         45.95         54.00           45.51         27.59         5.38         24.71         53.77         54.00           46.53         27.91         5.30         24.64         47.65         54.00           46.53         27.59         5.38         24.71         54.79         54.00           Boz.11n(HT20)         Test channel:         Level (dBuV/m)         Limit Line (dBuV/m)	Level (dBuV)         Factor (dB/m)         Loss (dB)         Factor (dB)         Level (dBuV/m)         Limit (dB)         Limit (dB)           50.20         27.91         5.30         24.64         58.77         74.00         -15.23           58.72         27.59         5.38         24.71         66.98         74.00         -7.02           51.78         27.91         5.30         24.64         60.35         74.00         -13.65           60.13         27.59         5.38         24.71         68.39         74.00         -5.61           Iue:           Read Level (dBuV)         Antenna Loss (dB/m)         Cable Factor (dB)         Level (dBuV/m)         Limit Line (dBuV/m)         Over Limit (dB)           45.51         27.59         5.38         24.71         53.77         54.00         -8.05           45.51         27.59         5.38         24.71         53.77         54.00         -8.05           45.51         27.59         5.38         24.71         53.77         54.00         -6.35           46.53         27.91         5.30         24.64         47.65         54.00         -6.35           46.53         27.59         5.38         24.71

Test channel:

802.11n(HT20)

1. 2. Final Level = Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor

The emission levels of other frequencies are very lower than the limit and not show in test report.

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Test mode:			802.1	1n(HT40)		Te	st channel:		Lowest	
Peak value	:									
Frequency (MHz)	Read Level (dBuV)	Fa	enna ctor 3/m)	Cable Loss (dB)	Fa	eamp actor dB)	Level (dBuV/m)	Limit Line (dBuV/m	⁻l limit	Polarization
2310.00	49.98	27	'.91	5.30	24	1.64	58.55	74.00	-15.45	Horizontal
2390.00	58.44	27	'.59	5.38	24	1.71	66.70	74.00	-7.30	Horizontal
2310.00	51.55	27	'.91	5.30	24	1.64	60.12	74.00	-13.88	Vertical
2390.00	59.78	27	'.59	5.38	24	1.71	68.04	74.00	-5.96	Vertical
Average va	lue:									
Frequency (MHz)	Read Level (dBuV)	Fa	enna ctor 3/m)	Cable Loss (dB)	Fa	eamp actor dB)	Level (dBuV/m)	Limit Line (dBuV/m	⁻l limit	Polarization
2310.00	37.22	27	'.91	5.30	24	1.64	45.79	54.00	-8.21	Horizontal
2390.00	45.34	27	'.59	5.38	24	1.71	53.60	54.00	-0.40	Horizontal
2310.00	38.91	27	'.91	5.30	24	1.64	47.48	54.00	-6.52	Vertical
2390.00	46.33	46.33 27.59		5.38	24	1.71	54.59	54.00	0.59	Vertical
Test mode:	Test mode:			1n(HT40)		Te	st channel:		Highest	

#### Peak value:

i oun value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	49.92	27.53	5.47	24.80	58.12	74.00	-15.88	Horizontal
2500.00	46.28	27.55	5.49	24.86	54.46	74.00	-19.54	Horizontal
2483.50	51.84	27.53	5.47	24.80	60.04	74.00	-13.96	Vertical
2500.00	48.48	27.55	5.49	24.86	56.66	74.00	-17.34	Vertical

#### Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	37.34	27.53	5.47	24.80	45.54	54.00	-8.46	Horizontal
2500.00	33.76	27.55	5.49	24.86	41.94	54.00	-12.06	Horizontal
2483.50	39.13	27.53	5.47	24.80	47.33	54.00	-6.67	Vertical
2500.00	35.57	27.55	5.49	24.86	43.75	54.00	-10.25	Vertical

#### Remark:

- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.

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## 7.7 Spurious Emission

#### 7.7.1 Conducted Emission Method

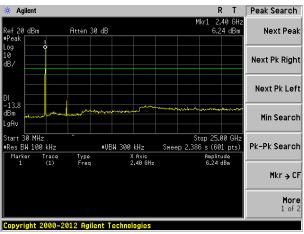
Test Requirement:	FCC Part15 C Section 15.247 (d)					
	` '					
Test Method:	KDB558074 D01 DTS Meas Guidance V04					
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.					
Test setup:	Spectrum Analyzer  E.U.T  Non-Conducted Table  Ground Reference Plane					
Test Instruments:	Refer to section 6.0 for details					
Test mode:	Refer to section 5.2 for details					
Test results:	Pass					



#### Test plot as follows:

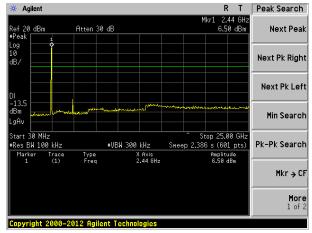
Test mode: 802.11b

Lowest channel



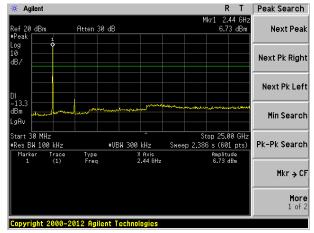
30MHz~25GHz

Middle channel



Highest channel



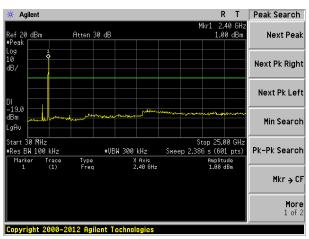


30MHz~25GHz



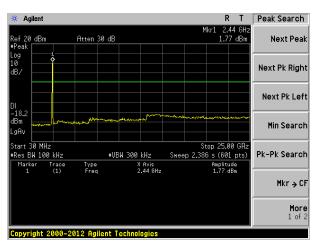
Test mode: 802.11g

Lowest channel



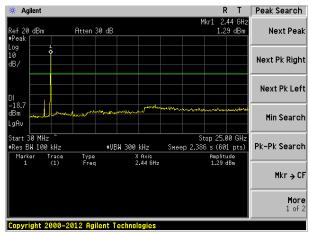
30MHz~25GHz

Middle channel



30MHz~25GHz

Highest channel

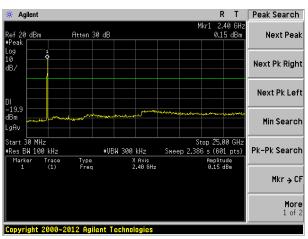


30MHz~25GHz



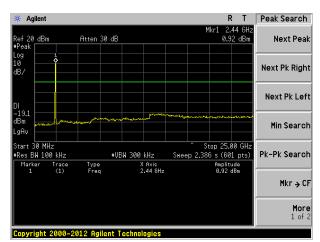
Test mode: 802.11n(HT20)

Lowest channel



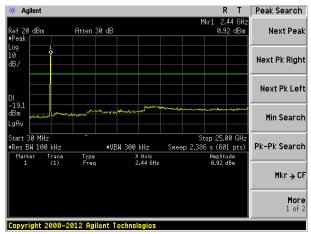
30MHz~25GHz

Middle channel



30MHz~25GHz

Highest channel

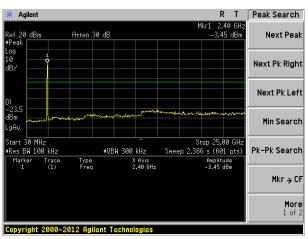


30MHz~25GHz



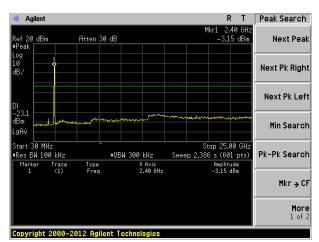
Test mode: 802.11n(HT40)

Lowest channel



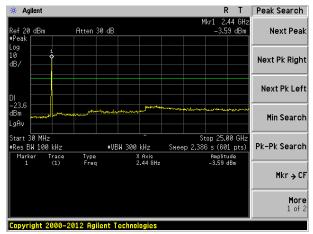
30MHz~25GHz

Middle channel



30MHz~25GHz

Highest channel



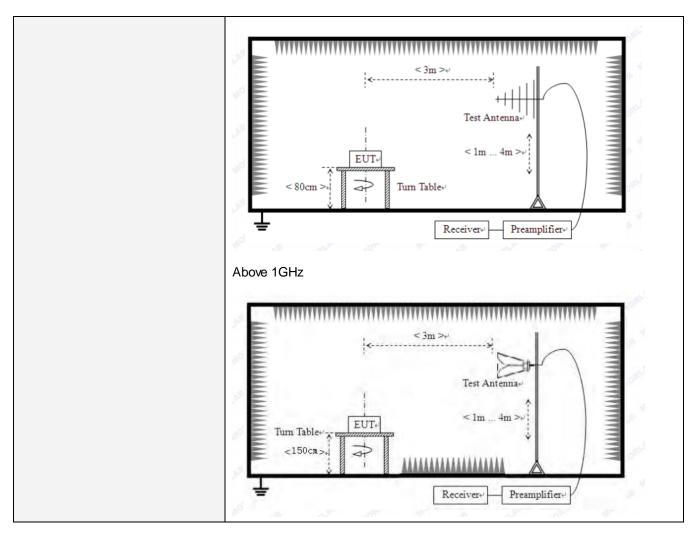
30MHz~25GHz



# 7.7.2 Radiated Emission Method

Test Method:	Test Requirement:	FCC Part15 C Section	FCC Part15 C Section 15.209								
Test site:   Measurement Distance: 3m	Test Method:	ANSI C63.10:2013									
Frequency	Test Frequency Range:	9kHz to 25GHz									
SKHz-150KHz	Test site:	Measurement Distan	ce: 3	3m							
150KHz-30MHz	Receiver setup:	Frequency	[	Detector	RB\	Ν	VBW	Value			
30MHz-1GHz		9KHz-150KHz	Q	Quasi-peak		Ηz	600Hz	z Quasi-peak			
Above 1GHz		150KHz-30MHz	Q	uasi-peak	9KF	Ηz	30KH	z Quasi-peak			
Above 1GHz		30MHz-1GHz	Q	uasi-peak	100KHz		300KH	lz Quasi-peak			
Peak		Above 1CHz		Peak	1MF	Ηz	3MHz	z Peak			
Frequency   Limit (uV/m)   Value   Distance		Above 1GHz		Peak	1MF	Ηz	10Hz	Average			
0.490MHz-1.705MHz 24000/F(KHz) QP 300m  1.705MHz-30MHz 30 QP 30m  30MHz-88MHz 100 QP  88MHz-216MHz 150 QP  216MHz-960MHz 200 QP  960MHz-1GHz 500 QP  Above 1GHz 500 Average  500 Average  500 Peak  Test setup:  Below 30MHz	Limit:	Frequency		Limit (u\	//m)	٧	′alue				
1.705MHz-30MHz 30 QP 30m  30MHz-88MHz 100 QP  88MHz-216MHz 150 QP  216MHz-960MHz 200 QP  960MHz-1GHz 500 QP  Above 1GHz 500 Average 5000 Peak  Test setup:  Below 30MHz  Turntable  Turntable  Test Receiver		0.009MHz-0.490MHz 2400/F(KHz) QP 300m									
30MHz-88MHz		0.490MHz-1.705MHz 24000/F(KHz) QP 300m									
88MHz-216MHz   150   QP   216MHz-960MHz   200   QP   960MHz-1GHz   500   QP   3m   Above 1GHz   500   Average   5000   Peak   Peak   Test setup:   Below 30MHz   Tumtable   Tumtable   Tumtable   Test   Receiver   Test   Test		1.705MHz-30MHz 30 QP 30m									
216MHz-960MHz   200   QP   3m   960MHz-1GHz   500   QP   Above 1GHz   500   Average   5000   Peak   Peak   Test setup:   Below 30MHz   Turntable   Turntable   Turntable   Test Receiver   T		30MHz-88MHz		100			QP				
960MHz-1GHz 500 QP Above 1GHz 500 Average 500 Peak  Test setup:  Below 30MHz  Turntable  Turntable  Test Receiver		88MHz-216MHz		150			QP				
960MHz-1GHz 500 QP Above 1GHz 500 Average 5000 Peak  Test setup:  Below 30MHz  Turntable EUT 3m Test Receiver		216MHz-960MHz	6MHz-960MHz 200 QP			3m					
Above 1GHz  Test setup:  Below 30MHz  Turntable  EUT  0.8 m  Test Receiver		960MHz-1GHz		500		QP		3111			
Test setup:  Below 30MHz  Turntable  EUT  0.8 m  Test  Receiver		Above 1GHz		500		Average					
Turntable 3m  Test Receiver		7,0010 10112		5000		F	Peak				
Below 1GHz	Test setup:	Turntable  EUT  0.8 m  Test  Receiver  Coaxial Cable									







Test Procedure:	The EUT was placed on the top of a rotating table (0.8m for below 1G and 1.5m for above 1G) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.
	The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
	3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
	4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.
	5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
	6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

#### Remark:

Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis which it is worse case.

#### Measurement data:

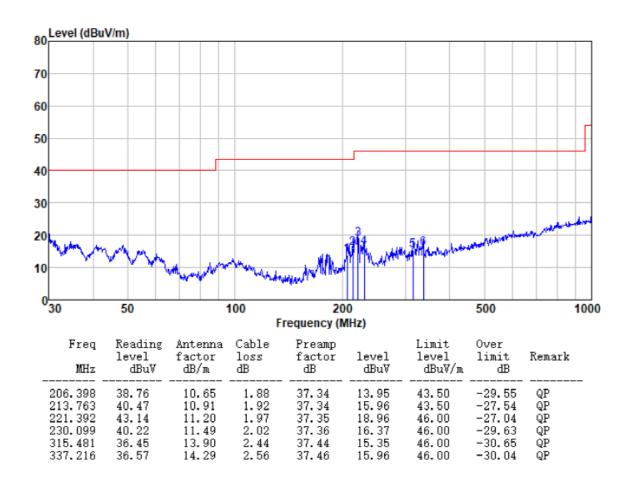
#### ■ 9kHz~30MHz

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(0) was not reported.



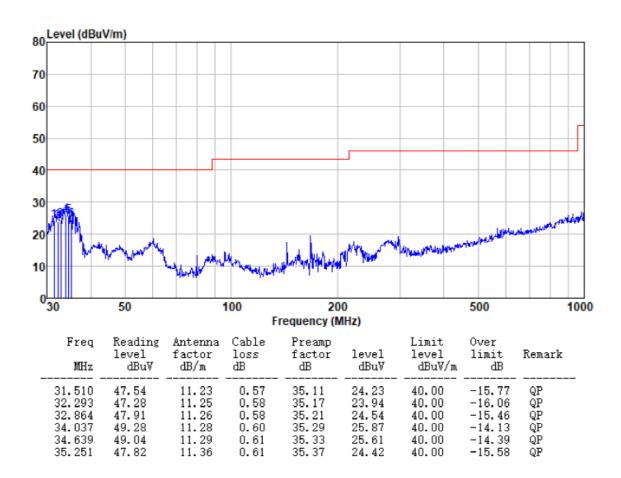
#### ■ Below 1GHz

Polarizatioin:	Horizontal	Test mode	WIFI
Temp.:	35℃	Humidity.	54%





Polarizatioin:	Vertical	Test mode	WIFI
Temp.:	35℃	Humidity.	54%





#### ■ Above 1GHz

Test mode:		802.11b		Test	channel:	Lo	west	
Peak value:						<u>'</u>		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line	Limit	polarization
4824.00	39.52	31.79	8.62	32.10	47.83	74.00	-26.17	Vertical
7236.00	33.73	36.19	11.68	31.97	49.63	74.00	-24.37	Vertical
9648.00	32.36	38.07	14.16	31.56	53.03	74.00	-20.97	Vertical
12060.00	*					74.00		Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4824.00	38.31	31.79	8.62	32.10	46.62	74.00	-27.38	Horizontal
7236.00	33.54	36.19	11.68	31.97	49.44	74.00	-24.56	Horizontal
9648.00	31.97	38.07	14.16	31.56	52.64	74.00	-21.36	Horizontal
12060.00	*					74.00		Horizontal
14472.00	*					74.00		Horizontal
16884.00	*					74.00		Horizontal
Average val	ue:		•					
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line	Limit	polarization
4824.00	28.66	31.79	8.62	32.10	36.97	54.00	-17.03	Vertical
7236.00	22.61	36.19	11.68	31.97	38.51	54.00	-15.49	Vertical
9648.00	22.72	38.07	14.16	31.56	43.39	54.00	-10.61	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertical
4824.00	27.89	31.79	8.62	32.10	36.20	54.00	-17.80	Horizontal
7236.00	22.13	36.19	11.68	31.97	38.03	54.00	-15.97	Horizontal
9648.00	21.73	38.07	14.16	31.56	42.40	54.00	-11.60	Horizontal
12060.00	*					54.00		Horizontal
14472.00	*	_				54.00		Horizontal

#### Remark:

16884.00

Horizontal

54.00

<sup>1.</sup> Final Level = Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor

<sup>2. &</sup>quot;\*", means this data is the too weak instrument of signal is unable to test.



Test mode:		802.11b		Te	st channel:	Mid	dle	
Peak value:						,		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	1 1 202	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	38.71	31.85	8.66	32.12	47.10	74.00	-26.90	Vertical
7311.00	33.88	36.37	11.71	31.91	50.05	74.00	-23.95	Vertical
9748.00	33.44	38.27	14.25	31.56	54.40	74.00	-19.60	Vertical
12185.00	*					74.00		Vertical
14622.00	*					74.00		Vertical
17059.00	*					74.00		Vertical
4874.00	39.29	31.85	8.66	32.12	47.68	74.00	-26.32	Horizontal
7311.00	32.58	36.37	11.71	31.91	48.75	74.00	-25.25	Horizontal
9748.00	33.36	38.27	14.25	31.56	54.32	74.00	-19.68	Horizontal
12185.00	*					74.00		Horizontal
14622.00	*					74.00		Horizontal
17059.00	*					74.00		Horizontal
Average val	ue:							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	I LEVEL	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	29.61	31.85	8.66	32.12	38.00	54.00	-16.00	Vertical
7311.00	22.21	36.37	11.71	31.91	38.38	54.00	-15.62	Vertical
9748.00	22.71	38.27	14.25	31.56	43.67	54.00	-10.33	Vertical
12185.00	*					54.00		Vertical
14622.00	*					54.00		Vertical
17059.00	*					54.00		Vertical
4874.00	29.43	31.85	8.66	32.12	37.82	54.00	-16.18	Horizontal
7311.00	21.68	36.37	11.71	31.91	37.85	54.00	-16.15	Horizontal
9748.00	23.08	38.27	14.25	31.56	44.04	54.00	-9.96	Horizontal
12185.00	*					54.00		Horizontal
14622.00	*					54.00		Horizontal
17059.00	*					54.00		Horizontal

<sup>1.</sup> Final Level =Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor

<sup>2. &</sup>quot;\*", means this data is the too weak instrument of signal is unable to test.



Test mode:		802.11b		Test	channel:	Highe	est	
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4924.00	43.78	31.90	8.70	32.15	52.23	74.00	-21.77	Vertical
7386.00	34.27	36.49	11.76	31.83	50.69	74.00	-23.31	Vertical
9848.00	36.53	38.62	14.31	31.77	57.69	74.00	-16.31	Vertical
12310.00	*					74.00		Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4924.00	43.25	31.90	8.70	32.15	51.70	74.00	-22.30	Horizontal
7386.00	33.26	36.49	11.76	31.83	49.68	74.00	-24.32	Horizontal
9848.00	32.74	38.62	14.31	31.77	53.90	74.00	-20.10	Horizontal
12310.00	*					74.00		Horizontal
14772.00	*					74.00		Horizontal
17234.00	*					74.00		Horizontal
Average val	lue:		•	•	1			
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4924.00	34.78	31.90	8.70	32.15	43.23	54.00	-10.77	Vertical
7386.00	24.21	36.49	11.76	31.83	40.63	54.00	-13.37	Vertical
9848.00	25.05	38.62	14.31	31.77	46.21	54.00	-7.79	Vertical
12310.00	*					54.00		Vertical
14772.00	*					54.00		Vertical
17234.00	*					54.00		Vertical
4924.00	33.68	31.90	8.70	32.15	42.13	54.00	-11.87	Horizontal
7386.00	22.66	36.49	11.76	31.83	39.08	54.00	-14.92	Horizontal
9848.00	22.02	38.62	14.31	31.77	43.18	54.00	-10.82	Horizontal
12310.00	*					54.00		Horizontal
14772.00	*					54.00		Horizontal
17234.00	*					54.00		Horizontal

<sup>1.</sup> Final Level =Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor

<sup>2. &</sup>quot;\*", means this data is the too weak instrument of signal is unable to test.



Test mode:		802.11g		Test	channel:	lowe	st	
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	39.23	31.79	8.62	32.10	47.54	74.00	-26.46	Vertical
7236.00	33.55	36.19	11.68	31.97	49.45	74.00	-24.55	Vertical
9648.00	32.23	38.07	14.16	31.56	52.90	74.00	-21.10	Vertical
12060.00	*					74.00		Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4824.00	38.07	31.79	8.62	32.10	46.38	74.00	-27.62	Horizontal
7236.00	33.38	36.19	11.68	31.97	49.28	74.00	-24.72	Horizontal
9648.00	31.85	38.07	14.16	31.56	52.52	74.00	-21.48	Horizontal
12060.00	*					74.00		Horizontal
14472.00	*					74.00		Horizontal
16884.00	*					74.00		Horizontal
Average val	lue:	•	•	•	•		•	
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	28.40	31.79	8.62	32.10	36.71	54.00	-17.29	Vertical
7236.00	22.44	36.19	11.68	31.97	38.34	54.00	-15.66	Vertical
9648.00	22.60	38.07	14.16	31.56	43.27	54.00	-10.73	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertica
4824.00	27.66	31.79	8.62	32.10	35.97	54.00	-18.03	Horizontal
7236.00	21.98	36.19	11.68	31.97	37.88	54.00	-16.12	Horizontal
9648.00	21.61	38.07	14.16	31.56	42.28	54.00	-11.72	Horizontal
12060.00	*					54.00		Horizontal
14472.00	*					54.00		Horizontal
16884.00	*					54.00		Horizontal

<sup>1.</sup> Final Level = Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor

<sup>2. &</sup>quot;\*", means this data is the too weak instrument of signal is unable to test.



Test mode:		802.11g		Test	channel:	Midd	le	
Peak value:		•				•		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	38.47	31.85	8.66	32.12	46.86	74.00	-27.14	Vertical
7311.00	33.73	36.37	11.71	31.91	49.90	74.00	-24.10	Vertical
9748.00	33.34	38.27	14.25	31.56	54.30	74.00	-19.70	Vertical
12185.00	*					74.00		Vertical
14622.00	*					74.00		Vertical
17059.00	*					74.00		Vertical
4874.00	39.09	31.85	8.66	32.12	47.48	74.00	-26.52	Horizontal
7311.00	32.44	36.37	11.71	31.91	48.61	74.00	-25.39	Horizontal
9748.00	33.26	38.27	14.25	31.56	54.22	74.00	-19.78	Horizontal
12185.00	*					74.00		Horizontal
14622.00	*					74.00		Horizontal
17059.00	*					74.00		Horizontal
Average val				Ī			T	
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	29.39	31.85	8.66	32.12	37.78	54.00	-16.22	Vertical
7311.00	22.07	36.37	11.71	31.91	38.24	54.00	-15.76	Vertical
9748.00	22.60	38.27	14.25	31.56	43.56	54.00	-10.44	Vertical
12185.00	*					54.00		Vertical
14622.00	*					54.00		Vertical
17059.00	*					54.00		Vertical
4874.00	29.25	31.85	8.66	32.12	37.64	54.00	-16.36	Horizontal
7311.00	21.55	36.37	11.71	31.91	37.72	54.00	-16.28	Horizontal
9748.00	22.98	38.27	14.25	31.56	43.94	54.00	-10.06	Horizontal
12185.00	*					54.00		Horizontal
14622.00	*					54.00		Horizontal
17059.00	*					54.00		Horizontal

#### Remark:

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<sup>1.</sup> Final Level = Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor

<sup>2. &</sup>quot;\*", means this data is the too weak instrument of signal is unable to test.



Test mode:		802.11g		Test	channel:	High	est	
Peak value:						•		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4924.00	43.37	31.90	8.70	32.15	51.82	74.00	-22.18	Vertical
7386.00	34.01	36.49	11.76	31.83	50.43	74.00	-23.57	Vertical
9848.00	36.34	38.62	14.31	31.77	57.50	74.00	-16.50	Vertical
12310.00	*					74.00		Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4924.00	42.91	31.90	8.70	32.15	51.36	74.00	-22.64	Horizontal
7386.00	33.03	36.49	11.76	31.83	49.45	74.00	-24.55	Horizontal
9848.00	32.57	38.62	14.31	31.77	53.73	74.00	-20.27	Horizontal
12310.00	*					74.00		Horizontal
14772.00	*					74.00		Horizontal
17234.00	*					74.00		Horizontal
Average val	ue:							<b>.</b>
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4924.00	34.40	31.90	8.70	32.15	42.85	54.00	-11.15	Vertical
7386.00	23.96	36.49	11.76	31.83	40.38	54.00	-13.62	Vertical
9848.00	24.87	38.62	14.31	31.77	46.03	54.00	-7.97	Vertical
12310.00	*					54.00		Vertical
14772.00	*					54.00		Vertical
17234.00	*					54.00		Vertical
4924.00	33.35	31.90	8.70	32.15	41.80	54.00	-12.20	Horizontal
7386.00	22.44	36.49	11.76	31.83	38.86	54.00	-15.14	Horizontal
9848.00	21.85	38.62	14.31	31.77	43.01	54.00	-10.99	Horizontal
12310.00	*					54.00		Horizontal
14772.00	*					54.00		Horizontal
17234.00	*					54.00		Horizontal

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. "\*", means this data is the too weak instrument of signal is unable to test.





Test mode:		802.11n(H	T20)	Test	channel:	Lowe	est	
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	39.20	31.79	8.62	32.10	47.51	74.00	-26.49	Vertical
7236.00	33.53	36.19	11.68	31.97	49.43	74.00	-24.57	Vertical
9648.00	32.22	38.07	14.16	31.56	52.89	74.00	-21.11	Vertical
12060.00	*					74.00		Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4824.00	38.04	31.79	8.62	32.10	46.35	74.00	-27.65	Horizontal
7236.00	33.37	36.19	11.68	31.97	49.27	74.00	-24.73	Horizontal
9648.00	31.84	38.07	14.16	31.56	52.51	74.00	-21.49	Horizontal
12060.00	*					74.00		Horizontal
14472.00	*					74.00		Horizontal
16884.00	*					74.00		Horizontal
Average val	lue:	•	•	•	•		•	
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4824.00	28.37	31.79	8.62	32.10	36.68	54.00	-17.32	Vertical
7236.00	22.42	36.19	11.68	31.97	38.32	54.00	-15.68	Vertical
9648.00	22.59	38.07	14.16	31.56	43.26	54.00	-10.74	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertical
4824.00	27.64	31.79	8.62	32.10	35.95	54.00	-18.05	Horizontal
7236.00	21.97	36.19	11.68	31.97	37.87	54.00	-16.13	Horizontal
9648.00	21.60	38.07	14.16	31.56	42.27	54.00	-11.73	Horizontal
12060.00	*					54.00		Horizontal
14472.00	*					54.00		Horizontal
16884.00	*					54.00		Horizontal

#### Remark:

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<sup>1.</sup> Final Level =Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor

<sup>2. &</sup>quot;\*", means this data is the too weak instrument of signal is unable to test.



Test mode:		802.11n(H	T20)	Test	channel:	Midd	le	
Peak value:						•		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	38.45	31.85	8.66	32.12	46.84	74.00	-27.16	Vertical
7311.00	33.72	36.37	11.71	31.91	49.89	74.00	-24.11	Vertical
9748.00	33.33	38.27	14.25	31.56	54.29	74.00	-19.71	Vertical
12185.00	*					74.00		Vertical
14622.00	*					74.00		Vertical
17059.00	*					74.00		Vertical
4874.00	39.07	31.85	8.66	32.12	47.46	74.00	-26.54	Horizontal
7311.00	32.43	36.37	11.71	31.91	48.60	74.00	-25.40	Horizontal
9748.00	33.25	38.27	14.25	31.56	54.21	74.00	-19.79	Horizontal
12185.00	*					74.00		Horizontal
14622.00	*					74.00		Horizontal
17059.00	*					74.00		Horizontal
Average val		1		Ī			T	
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	29.37	31.85	8.66	32.12	37.76	54.00	-16.24	Vertical
7311.00	22.06	36.37	11.71	31.91	38.23	54.00	-15.77	Vertical
9748.00	22.60	38.27	14.25	31.56	43.56	54.00	-10.44	Vertical
12185.00	*					54.00		Vertical
14622.00	*					54.00		Vertical
17059.00	*					54.00		Vertical
4874.00	29.23	31.85	8.66	32.12	37.62	54.00	-16.38	Horizontal
7311.00	21.54	36.37	11.71	31.91	37.71	54.00	-16.29	Horizontal
9748.00	22.97	38.27	14.25	31.56	43.93	54.00	-10.07	Horizontal
12185.00	*					54.00		Horizontal
14622.00	*					54.00		Horizontal
17059.00	*					54.00		Horizontal

<sup>1.</sup> Final Level =Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor

<sup>2. &</sup>quot;\*", means this data is the too weak instrument of signal is unable to test.



Test mode:		802.11n(H	(HT20) Test channel:		Highest			
Peak value:		1		,		•		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4924.00	43.33	31.90	8.70	32.15	51.78	74.00	-22.22	4924.00
7386.00	33.98	36.49	11.76	31.83	50.40	74.00	-23.60	7386.00
9848.00	36.33	38.62	14.31	31.77	57.49	74.00	-16.51	9848.00
12310.00	*					74.00		Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4924.00	42.87	31.90	8.70	32.15	51.32	74.00	-22.68	Horizontal
7386.00	33.01	36.49	11.76	31.83	49.43	74.00	-24.57	Horizontal
9848.00	32.55	38.62	14.31	31.77	53.71	74.00	-20.29	Horizontal
12310.00	*					74.00		Horizontal
14772.00	*				74.00			Horizontal
17234.00	*					74.00		Horizontal
Average val	ue:							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4924.00	34.36	31.90	8.70	32.15	42.81	54.00	-11.19	Vertical
7386.00	23.93	36.49	11.76	31.83	40.35	54.00	-13.65	Vertical
9848.00	24.86	38.62	14.31	31.77	46.02	54.00	-7.98	Vertical
12310.00	*					54.00		Vertical
14772.00	*					54.00		Vertical
17234.00	*					54.00		Vertical
4924.00	33.32	31.90	8.70	32.15	41.77	54.00	-12.23	Horizontal
7386.00	22.42	36.49	11.76	31.83	38.84	54.00	-15.16	Horizontal
9848.00	21.83	38.62	14.31	31.77	42.99	54.00	-11.01	Horizontal
12310.00	*					54.00		Horizontal
14772.00	*					54.00		Horizontal
17234.00	*					54.00		Horizontal

<sup>1</sup> Final Level =Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor

<sup>2 &</sup>quot;\*", means this data is the too weak instrument of signal is unable to test.



Test mode:		802.11n(HT40)		Test	channel:	Lowest		
Peak value:				•				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4844.00	37.78	31.81	8.63	32.11	46.11	74.00	-27.89	Vertical
7266.00	32.63	36.28	11.69	31.94	48.66	74.00	-25.34	Vertical
9688.00	31.58	38.13	14.21	31.52	52.40	74.00 -21.60		Vertical
12060.00	*					74.00		Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4844.00	36.84	31.81	8.63	32.11	45.17	74.00	-28.83	Horizontal
7266.00	32.58	36.28	11.69	31.94	48.61	74.00	-25.39	Horizontal
9688.00	31.25	38.13	14.21	31.52	52.07	74.00	-21.93	Horizontal
12060.00	*					74.00		Horizontal
14472.00	*				_	74.00		Horizontal
16884.00	*					74.00		Horizontal

# Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4844.00	27.06	31.81	8.63	32.11	35.39	54.00	-18.61	Vertical
7266.00	21.55	36.28	11.69	31.94	37.58	54.00	-16.42	Vertical
9688.00	21.97	38.13	14.21	31.52	42.79	54.00	-11.21	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertical
4844.00	26.51	31.81	8.63	32.11	34.84	54.00	-19.16	Horizontal
7266.00	21.20	36.28	11.69	31.94	37.23	54.00	-16.77	Horizontal
9688.00	21.03	38.13	14.21	31.52	41.85	54.00	-12.15	Horizontal
12060.00	*					54.00		Horizontal
14472.00	*					54.00		Horizontal
16884.00	*					54.00		Horizontal

- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. "\*", means this data is the too weak instrument of signal is unable to test.



Test mode:

802.11n(HT40)

Report No.: GTS201805000172F03

Middle

Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	37.27	31.85	8.66	32.12	45.66 74.00		-28.34	Vertical
7311.00	32.98	36.37	11.71	31.91	49.15	74.00	-24.85	Vertical
9748.00	32.79	38.27	14.25	31.56	53.75	74.00	-20.25	Vertical
12185.00	*					74.00		Vertical
14622.00	*					74.00		Vertical
17059.00	*					74.00		Vertical
4874.00	38.08	31.85	8.66	32.12	46.47	74.00	-27.53	Horizontal
7311.00	31.78	36.37	11.71	31.91	47.95	74.00	-26.05	Horizontal
9748.00	32.76	38.27	14.25	31.56	53.72	74.00	-20.28	Horizontal
12185.00	*					74.00		Horizontal
14622.00	*				74.00			Horizontal
17059.00	*				74.00			Horizontal
Average val	ue:							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874.00	28.29	31.85	8.66	32.12	36.68	54.00	-17.32	Vertical
7311.00	21.34	36.37	11.71	31.91	37.51	54.00	-16.49	Vertical
9748.00	22.09	38.27	14.25	31.56	43.05	54.00	-10.95	Vertical
12185.00	*					54.00		Vertical
14622.00	*					54.00		Vertical
17059.00	*					54.00		Vertical
4874.00	28.30	31.85	8.66	32.12	36.69	54.00	-17.31	Horizontal
7311.00	20.91	36.37	11.71	31.91	37.08	54.00	-16.92	Horizontal
9748.00	22.50	38.27	14.25	31.56	43.46	54.00	-10.54	Horizontal
					1			
12185.00	*					54.00		Horizontal
12185.00 14622.00	*					54.00 54.00		Horizontal Horizontal

Test channel:

<sup>1.</sup> Final Level =Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor

<sup>2. &</sup>quot;\*", means this data is the too weak instrument of signal is unable to test.



Test mode:		802.11n(H	T40)		Test channel:		Highest			
Peak value:										
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Fac	amp ctor B)	Level (dBuV/m)	Limit Line (dBuV/m)		Over Limit (dB)	polarization
4904.00	41.30	31.88	8.68	32	.13	49.73	74.00		-24.27	Vertical
7356.00	32.70	36.45	11.75	31	.86	49.04	74.00		-24.96	Vertical
9808.00	35.41	38.43	14.29	31	.68	56.45	74.00		-17.55	Vertical
12310.00	*						74.	00		Vertical
14772.00	*						74.	00		Vertical
17234.00	*						74.	00		Vertical
4904.00	41.17	31.88	8.68	32	.13	49.60	74.	00	-24.40	Horizontal
7356.00	31.89	36.45	11.75	31	.86	48.23	74.	00	-25.77	Horizontal
9808.00	31.71	38.43	14.29	31	.68	52.75	74.00		-21.25	Horizontal
12310.00	*						74.	00		Horizontal
14772.00	*						74.00			Horizontal
17234.00	*						74.	00		Horizontal
Average val	lue:									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Fac	Preamp Factor (dB) Level (dBuV/m)		Limit (dBu\		Over Limit (dB)	polarization
4904.00	32.50	31.88	8.68	32	.13	40.93	54.	00	-13.07	Vertical
7356.00	22.70	36.45	11.75	31	.86	39.04	54.	00	-14.96	Vertical
9808.00	23.98	38.43	14.29	31	.68	45.02	54.	00	-8.98	Vertical
12310.00	*						54.	00		Vertical
14772.00	*						54.	00		Vertical
17234.00	*						54.	00		Vertical
4904.00	31.72	31.88	8.68	32.13		40.15	54.	00	-13.85	Horizontal
7356.00	21.34	36.45	11.75	31.86		37.68	54.	00	-16.32	Horizontal
9808.00	21.02	38.43	14.29	31	.68	42.06	54.	00	-11.94	Horizontal
12310.00	*						54.	00		Horizontal
14772.00	*						54.	00		Horizontal
17234.00	*						54.	00		Horizontal

#### Remark:

Telephone: +86 (0) 755 2779 8480 Fax: +86 (0) 755 2779 8960

<sup>1</sup> Final Level =Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor

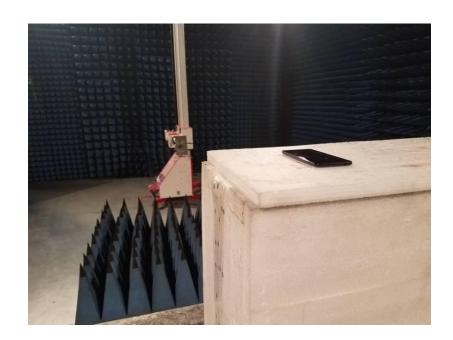
<sup>2 &</sup>quot;\*", means this data is the too weak instrument of signal is unable to test.



# 8 Test Setup Photo

Radiated Emission







# Conducted Emission



# 9 EUT Constructional Details

Reference to the test report No. GTS201805000172F01

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