

Global United Technology Services Co., Ltd.

Report No.: GTS16000787E01

FCC Report (WIFI)

Applicant: Simbans Limited

Address of Applicant: 806, 8th Floor, Tai Tak Industrial Building 2-12 Kwai Fat

Road, Kwai Chung, Hong Kong

Equipment Under Test (EUT)

Product Name: 10.1 Inch IPS tablet

Model No.: PRESTO

Trade Mark: Simbans

FCC ID: 2AHY3-PRESTO

Applicable standards: FCC CFR Title 47 Part 15 Subpart C Section 15.247:2014

Date of sample receipt: April 11, 2016

Date of Test: April 11-14, 2016

Date of report issued: April 14, 2016

Test Result: PASS *

Authorized Signature:



This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the GTS product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report

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^{*} In the configuration tested, the EUT complied with the standards specified above.



2 Version

Version No.	Date	Description
00	April 14, 2016	Original

Prepared By:	Sam. 900	Date:	April 14, 2016
	Project Engineer	_	
Check By:	hank. yan	Date:	April 14, 2016

Reviewer

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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

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)



5 General Information

5.1 Client Information

Applicant:	Simbans Limited	
Address of Applicant:	806, 8th Floor, Tai Tak Industrial Building 2-12 Kwai Fat Road, Kwai Chung, Hong Kong	
Manufacturer/ Factory:	Shenzhen Iproda Technology CO.,LTD.	
Address of Manufacturer/ Factory:	4F-5F ,C Building, Gongming Tang Wei Village Wanfeng Industrial Zone, Guangming New District , Shenzhen	

5.2 General Description of EUT

Product Name:	10.1 Inch IPS tablet	
Model No.:	PRESTO	
Operation Frequency:	802.11b/802.11g/802.11n(HT20): 2412MHz~2462MHz	
	802.11n(HT40): 2422MHz~2452MHz	
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(H40):	
	Orthogonal Frequency Division Multiplexing (OFDM)	
Antenna Type:	Integral antenna	
Antenna gain:	-2.3dBi(declare by Applicant)	
Power supply:	Adapter	
	Model No.: KA23-0502000DEU	
	Input: AC 100-240V, 50/60Hz, 0.35A	
	Output: DC 5.0V, 2.0A	
	or	
	DC 3.7V Li-ion polymer Battery	



Operation Frequency each of 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:

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

5.3 Test mode

Transmitting mode	Keep the EUT in continuously transmitting mode	(duty cycle>98%)
-------------------	--	------------------

Remark: During the test, 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:

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

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

5.4 Description of Support Units

N/A:



5.5 Test Facility

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

• FCC —Registration No.: 600491

Global United Technology Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fuly described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in files. Registration 600491, June 28, 2013.

• 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, June 26, 2013.

5.6 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

Tel: 0755-27798480 Fax: 0755-27798960



6 Test Instruments list

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	Mar. 26 2016	Mar. 25 2017	
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	Dec. 04 2015	Dec. 04 2016	
4	EMI Test Receiver	Rohde & Schwarz	ESU26	GTS203	June 30 2015	June 29 2016	
5	5 BiConiLog Antenna SCHWARZBECK MESS-ELEKTRONIK		VULB9163	GTS214	June 30 2015	June 29 2016	
6	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	9120D-829	GTS208	June 26 2015	June 25 2016	
7	Horn Antenna	ETS-LINDGREN	3160	GTS217	Mar. 26 2016	Mar. 25 2017	
8	EMI Test Software	AUDIX	E3	N/A	N/A	N/A	
9	Coaxial Cable	GTS	N/A	GTS213	Mar. 27 2016	Mar. 26 2017	
10	Coaxial Cable	GTS	N/A	GTS211	Mar. 27 2016	Mar. 26 2017	
11	Coaxial cable	GTS	N/A	GTS210	Mar. 27 2016	Mar. 26 2017	
12	Coaxial Cable	GTS	N/A	GTS212	Mar. 27 2016	Mar. 26 2017	
13	Amplifier(100kHz-3GHz)	HP	8347A	GTS204	June 30 2015	June 29 2016	
14	Amplifier(2GHz-20GHz)	HP	8349B	GTS206	June 30 2015	June 29 2016	
15	Amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	June 26 2015	June 25 2016	
16	Band filter	Amindeon	82346	GTS219	Mar. 27 2016	Mar. 26 2017	
17	Power Meter	Anritsu	ML2495A	GTS540	June 30 2015	June 29 2016	
18	Power Sensor	Anritsu	MA2411B	GTS541	June 30 2015	June 29 2016	

Cond	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	7.0(L)x3.0(W)x3.0(H)	GTS264	Sep. 06 2015	Sep. 06 2017			
2	EMI Test Receiver	Rohde & Schwarz	ESCS30	GTS223	June 30 2015	June 29 2016			
3	10dB Pulse Limita	Rohde & Schwarz	N/A	GTS224	June 30 2015	June 29 2016			
4	Coaxial Switch	ANRITSU CORP	MP59B	GTS225	June 30 2015	June 29 2016			
5	LISN	SCHWARZBECK MESS-ELEKTRONIK	NSLK 8127	GTS226	June 30 2015	June 29 2016			
6	Coaxial Cable	GTS	N/A	GTS227	June 30 2015	June 29 2016			
7	EMI Test Software	AUDIX	E3	N/A	N/A	N/A			

Gen	General used equipment:									
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)				
1	Barometer	ChangChun	DYM3	GTS257	July 07 2015	July 06 2016				



7 Test results and Measurement Data

7.1 Antenna requirement

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

15.203 requirement:

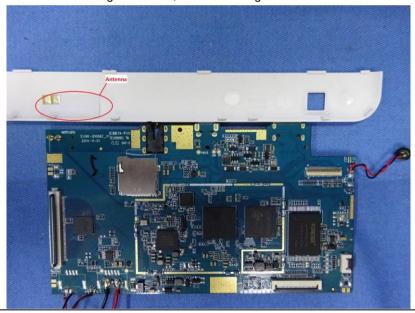
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit 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.

E.U.T Antenna:

The antenna is Integral antenna, the best case gain of the antenna is -2.3dBi





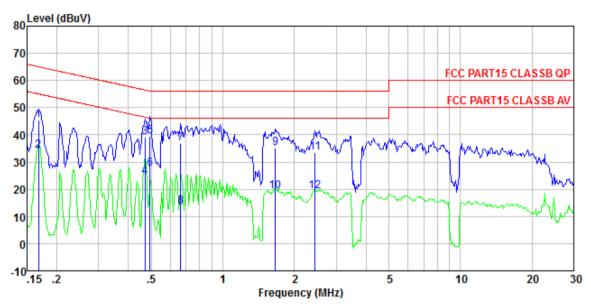
7.2 Conducted Emissions

Test Requirement:						
•	FCC Part15 C Section 15.207					
Test Method:	ANSI C63.10:2013					
Test Frequency Range:	150KHz to 30MHz					
Class / Severity:	Class B					
Receiver setup:	RBW=9KHz, VBW=30KHz, Sv	weep time=auto				
Limit:	Frequency range (MHz)	Limit (c	lBuV)			
	, , ,	Quasi-peak	Average			
	0.15-0.5	66 to 56*	56 to 46*			
	0.5-5	56	46			
	5-30 * Decreases with the logarithm	60	50			
		i or the frequency.				
Test setup:	Reference Plane		•			
	AUX Equipment Test table/Insulation plane Remark E.U.T Equipment Under Test LISN LISN Filter AC power EMI Receiver					
Test procedure:	 The E.U.T and simulators a line impedance stabilization 50ohm/50uH coupling imper 	n network (L.I.S.N.). Th	nis provides a			
	The peripheral devices are LISN that provides a 50ohn termination. (Please refer to photographs).	n/50uH coupling imped	dance with 50ohm			
	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 5.3 for details					
Test results:	Pass					



Measurement data

Line:



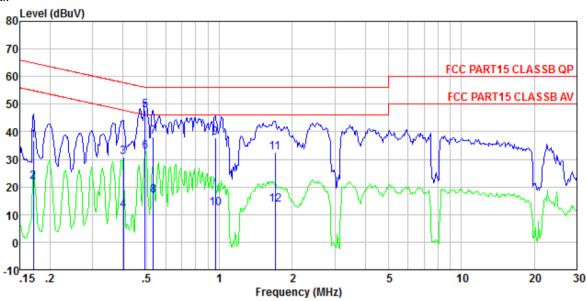
Condition : FCC PART15 CLASSB QP LISN-2013 LINE

Job No. : 0787 Test mode : Wifi mode Test Engineer: Sky

	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	₫B	dBuV	dBuV	dB	
1	0.168	45.03	0.15	0.12	45.30	65.08	-19.78	QP
2 3	0.168	33.79	0.15	0.12	34.06	55.08	-21.02	Average
3	0.471	38.80	0.12	0.11	39.03	56.49	-17.46	QP
4 5	0.471	24.28	0.12	0.11	24.51	46.49	-21.98	Average
5	0.494	39.38	0.12	0.11	39.61	56.10	-16.49	QP
6	0.494	27.22	0.12	0.11	27.45	46.10	-18.65	Average
7	0.665	36.66	0.14	0.13	36.93	56.00	-19.07	QP
8	0.665	13.44	0.14	0.13	13.71	46.00	-32.29	Average
8 9	1.662	34.77	0.12	0.14	35.03	56.00	-20.97	QP
10	1.662	18.96	0.12	0.14	19.22	46.00	-26.78	Average
11	2.448	33.12	0.13	0.15	33.40	56.00	-22.60	QP
12	2.448	19.02	0.13	0.15	19.30			Average



Neutral:



Condition : FCC PART15 CLASSB QP LISN-2013 NEUTRAL

Job No. : 0787 Test mode : Wifi mode

Test Engineer: Sky

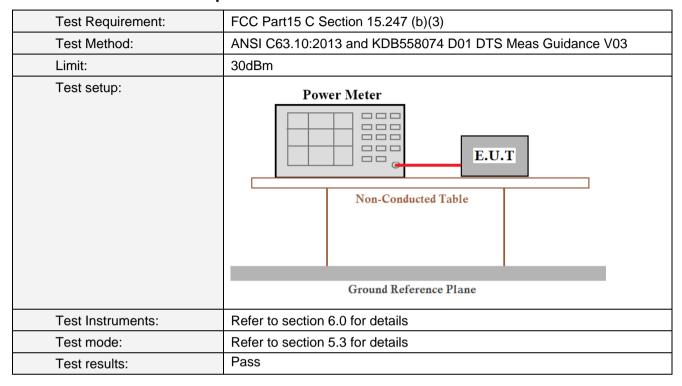
	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	d₿	dBu₹	dBu₹	dB	
1	0.170	36.56	0.07	0.12	36.75	64.94	-28.19	QP
2 3	0.170	21.65	0.07	0.12	21.84	54.94	-33.10	Average
3	0.402	30.65	0.06	0.11	30.82	57.81	-26.99	QP
4	0.402	11.37	0.06	0.11	11.54	47.81	-36.27	Average
4 5	0.494	47.59	0.06	0.11	47.76	56.10	-8.34	QP
6	0.494	32.64	0.06	0.11	32.81	46.10	-13.29	Average
7	0.535	38.11	0.07	0.11	38.29	56.00	-17.71	QP
8 9	0.535	16.77	0.07	0.11	16.95	46.00	-29.05	Average
9	0.963	37.64	0.07	0.13	37.84	56.00	-18.16	QP
10	0.963	12.01	0.07	0.13	12.21	46.00	-33.79	Average
11	1.698	32.29	0.09	0.14	32.52	56.00	-23.48	QP
12	1.698	13.47	0.09	0.14	13.70	46.00	-32.30	Average

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.



7.3 Conducted Peak Output Power



Measurement Data

Test CH		Peak Outp	Limit(dBm)	Result		
1631 011	802.11b	802.11g	802.11n(HT20)	802.11n(HT40)	Limit(abin)	Nesult
Lowest	7.66	7.26	7.20	5.85		Pass
Middle	7.18	6.87	6.85	5.45	30.00	
Highest	7.03	7.81	6.54	5.27		



7.4 Channel Bandwidth

Test Requirement:	FCC Part15 C Section 15.247 (a)(2)		
Test Method:	ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance V03		
Limit:	>500KHz		
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 5.3 for details		
Test results:	Pass		

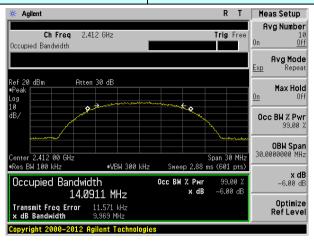
Measurement Data

Test CH		Channel Ban	Limit(KHz)	Result		
Test Off	802.11b	802.11g	802.11n(HT20)	802.11n(HT40)	LIIIII(KI IZ)	Nesuit
Lowest	9.969	16.544	17.662	36.201		Pass
Middle	10.043	16.538	17.651	36.130	>500	
Highest	10.262	16.506	17.590	35.806		

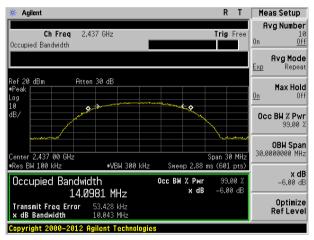
Test plot as follows:



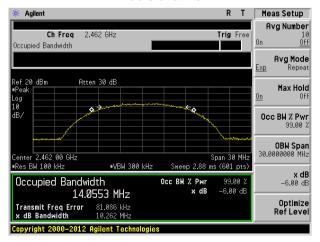
Test mode: 802.11b



Lowest channel



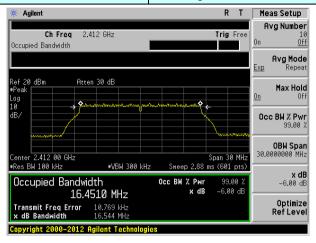
Middle channel



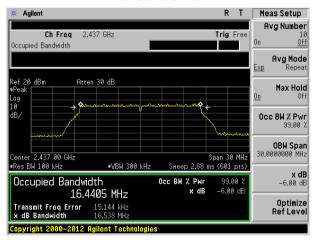
Highest channel



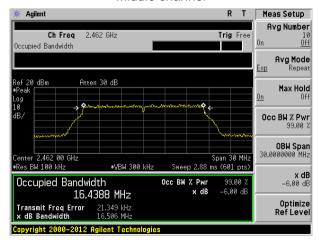
Test mode: 802.11g



Lowest channel



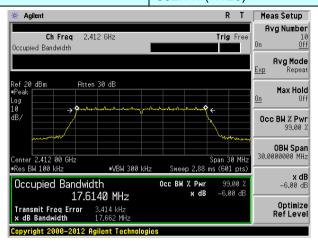
Middle channel



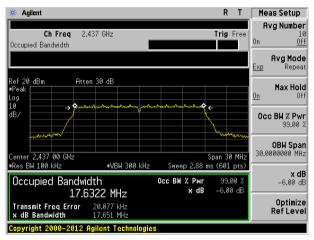
Highest channel



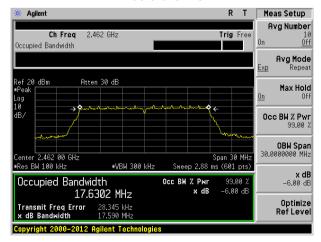
Test mode: 802.11n(HT20)



Lowest channel



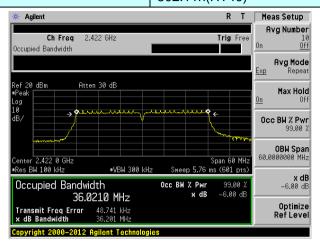
Middle channel



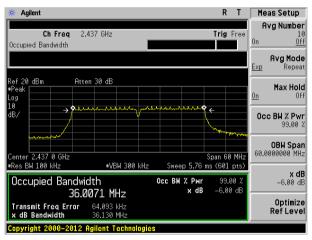
Highest channel



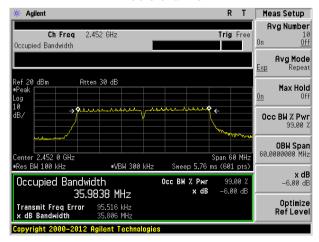
Test mode: 802.11n(HT40)



Lowest channel



Middle channel



Highest channel



7.5 Power Spectral Density

Test Requirement:	FCC Part15 C Section 15.247 (e)		
Test Method:	ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance V03		
Limit:	8dBm		
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 5.3 for details		
Test results:	Pass		

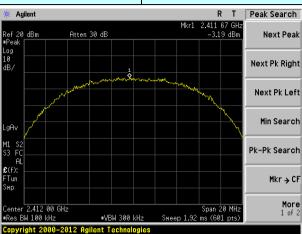
Measurement Data

Test CH		Power Spectra	Limit(dBm/3kHz)	Result		
Test Off	802.11b	802.11g	802.11n(HT20)	802.11n(HT40)	Limit(dbm/3km2)	Result
Lowest	-3.19	-4.94	-6.10	-10.16		Pass
Middle	-4.09	-5.41	-6.89	-10.23	8.00	
Highest	-4.50	-5.43	-7.95	-10.68		

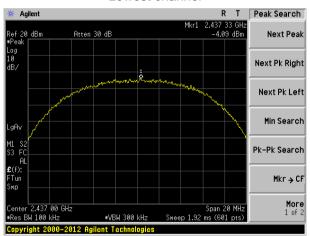


Test plot as follows:

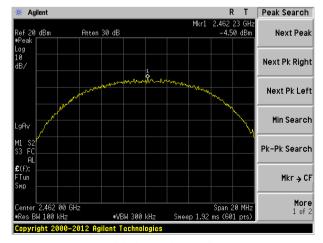
Test mode: 802.11b



Lowest channel



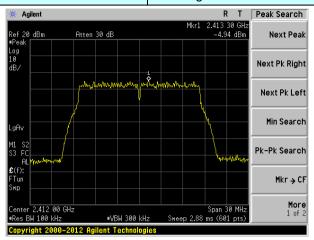
Middle channel



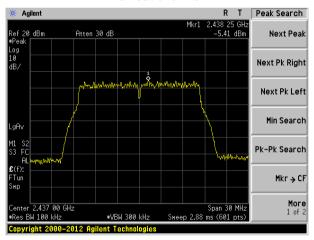
Highest channel



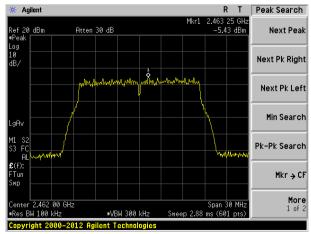
Test mode: 802.11g



Lowest channel



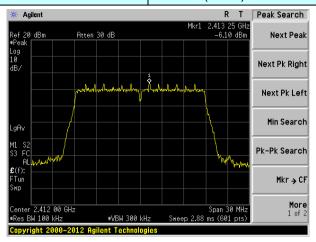
Middle channel



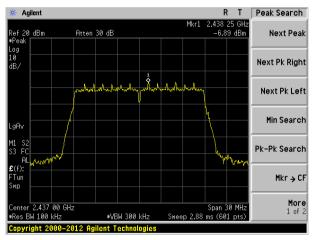
Highest channel



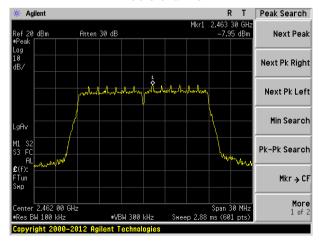
Test mode: 802.11n(HT20)



Lowest channel



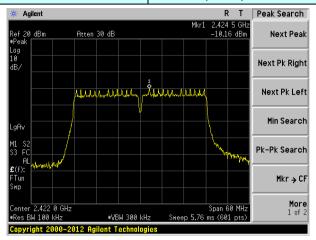
Middle channel



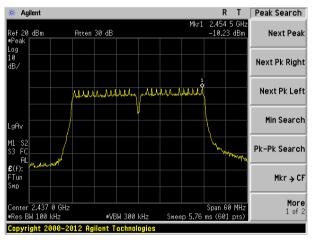
Highest channel



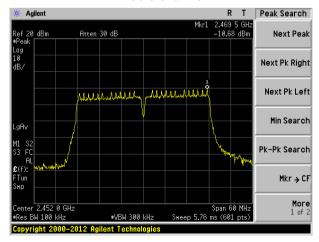
Test mode: 802.11n(HT40)



Lowest channel



Middle channel



Highest channel



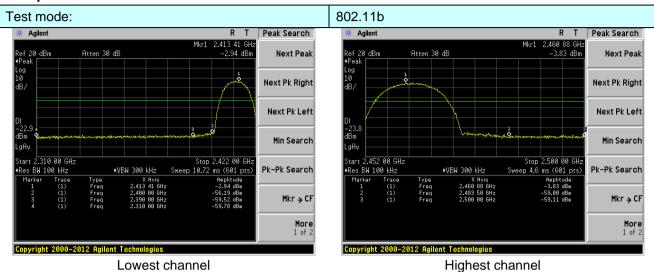
7.6 Band edges

7.6.1 Conducted Emission Method

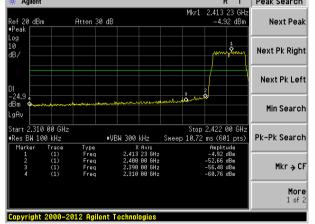
Test Requirement:	FCC Part15 C Section 15.247 (d)					
Test Method:	ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance V03					
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the 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 5.3 for details					
Test results:	Pass					



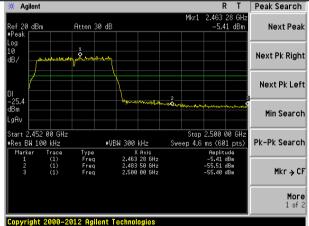
Test plot as follows:



802.11g Test mode: Peak Search Agilent

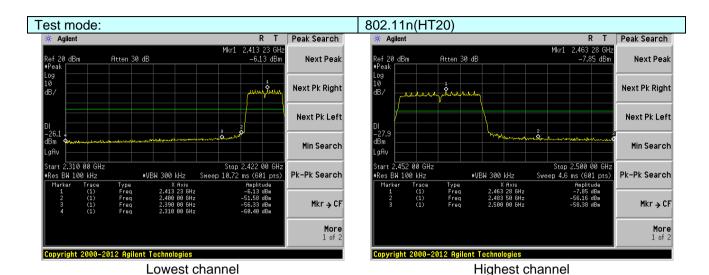


Lowest channel

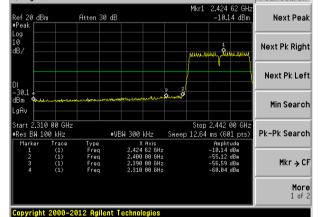


Highest channel

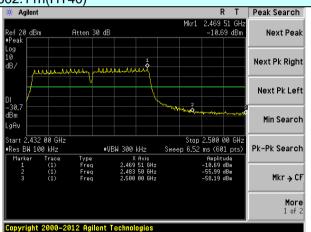












Highest channel



7.6.2 Radiated Emission Method

7.6.2 Radiated Emission W								
Test Requirement:	FCC Part15 C Section 15.209 and 15.205							
Test Method:	ANSI C63.10:20	ANSI C63.10:2013						
Test Frequency Range:	All of the restric	t bands were to	ested, only	the worst b	and's (2310MHz to			
	2500MHz) data	2500MHz) data was showed.						
Test site:	Measurement D	istance: 3m						
Receiver setup:	Frequency	Detector	RBW	VBW	Value			
	Above 4CH=	Pook 1MHz 3MHz						
	Above 1GHz	RMS	1MHz	3MHz	Average			
Limit:	Freque	ncy I	_imit (dBuV	/m @3m)	Value			
	A b a a . 4	OU-	54.0	0	Average			
	Above 1	GHZ	74.0	0	Peak			
Test setup:	FUT Turn Table 1.5m A	m lm	Antenna Horn Anter Spectrum Analyzer Amplifie	ina				
Test Procedure:	1.5m V							
Test Instruments:	Refer to section							
Test mode:	Refer to section	5.3 for details						
Test results:	Pass	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.

802.11b						owest	
<u> </u>	002.1	10	110	ot onamon.	-	2011001	
Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
52.17	27.59	5.38	34.01	51.13	74.00	-22.87	Horizontal
61.36	27.58	5.39	34.01	60.32	74.00	-13.68	Horizontal
53.89	27.59	5.38	34.01	52.85	74.00	-21.15	Vertical
63.30	27.58	5.39	34.01	62.26	74.00	-11.74	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
38.78	27.59	5.38	34.01	37.74	54.00	-16.26	Horizontal
47.13	27.58	5.39	34.01	46.09	54.00	-7.91	Horizontal
40.64	27.59	5.38	34.01	39.60	54.00	-14.40	Vertical
48.30	27.58	5.39	34.01	47.26	54.00	-6.74	Vertical
	802.1	1b	Te	st channel:	ŀ	Highest	
						_	
Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
53.05	27.53	5.47	33.92	52.13	74.00	-21.87	Horizontal
48.71	27.55	5.49	29.93	51.82	74.00	-22.18	Horizontal
55.42	27.53	5.47	33.92	54.50	74.00	-19.50	Vertical
	Read Level (dBuV) 52.17 61.36 53.89 63.30 Iue: Read Level (dBuV) 38.78 47.13 40.64 48.30 EREAD Level (dBuV) 53.05 48.71	Read Level (dB/W) (dB/m) 52.17 27.59 61.36 27.58 53.89 27.59 63.30 27.58 lue: Read Level (dBwV) (dB/m) 38.78 27.59 47.13 27.58 40.64 27.59 48.30 27.58 Read Level (dBwV) (dB/m) 38.78 27.59 47.13 27.58 40.64 27.59 48.30 27.58 Read Level (dBwV) (dB/m) 53.05 27.53 48.71 27.55	Read Antenna Cable Level Factor Loss (dBuV) (dB/m) (dB)	Read Antenna Cable Preamp Factor (dBuV) (dB/m) (dB) (dB)	Read Level (dBuV) (dB/m) (dB) Cable Factor (dBuV/m) (dB) Factor (dB) Facto	Read Level (dBuV) (dB/m) (dB) (dB) (dB) (dB) Eactor (dBuV/m) (dB/m) (dB) (dB) (dB) (dB) Eactor (dBuV/m) (dB) (dB) (dB) (dB) (dB) (dB) (dB) (dB	Read Antenna Cable Factor (dB) (

Average value:

51.32

27.55

2500.00

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	39.22	27.53	5.47	33.92	38.30	54.00	-15.70	Horizontal
2500.00	35.23	27.55	5.49	29.93	38.34	54.00	-15.66	Horizontal
2483.50	41.22	27.53	5.47	33.92	40.30	54.00	-13.70	Vertical
2500.00	37.13	27.55	5.49	29.93	40.24	54.00	-13.76	Vertical

29.93

54.43

74.00

-19.57

Vertical

Remark:

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

5.49

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



802.11g

Test mode:

Report No.: GTS16000787E01

Lowest

Daalassalssa	_			l e				
Peak value	:	1		1		1		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
2390.00	50.55	27.59	5.38	34.01	49.51	74.00	-24.49	Horizontal
2400.00	59.19	27.58	5.39	34.01	58.15	74.00	-15.85	Horizontal
2390.00	52.16	27.59	5.38	34.01	51.12	74.00	-22.88	Vertical
2400.00	60.70	27.58	5.39	34.01	59.66	74.00	-14.34	Vertical
Average va	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
2390.00	37.63	27.59	5.38	34.01	36.59	54.00	-17.41	Horizontal
2400.00	45.80	27.58	5.39	34.01	44.76	54.00	-9.24	Horizontal
2390.00	39.36	27.59	5.38	34.01	38.32	54.00	-15.68	Vertical
2400.00	46.84	27.58	5.39	34.01	45.80	54.00	-8.20	Vertical
Test mode:		802.1	1g	Te	st channel:	F	lighest	
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
2483.50	50.74	27.53	5.47	33.92	49.82	74.00	-24.18	Horizontal
2500.00	46.91	27.55	5.49	29.93	50.02	74.00	-23.98	Horizontal
2483.50	52.77	27.53	5.47	33.92	51.85	74.00	-22.15	Vertical
2500.00	49.22	27.55	5.49	29.93	52.33	74.00	-21.67	Vertical
Average va	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
2483.50	37.83	27.53	5.47	33.92	36.91	54.00	-17.09	Horizontal
2500.00	34.14	27.55	5.49	29.93	37.25	54.00	-16.75	Horizontal
2483.50	39.68	27.53	5.47	33.92	38.76	54.00	-15.24	Vertical
2500.00	35.98	27.55	5.49	29.93	39.09	54.00	-14.91	Vertical
Remark:								

Test channel:

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.

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



Test mode:

Report No.: GTS16000787E01

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
2390.00	50.33	27.59	5.38	34.01	49.29	74.00	-24.71	Horizontal
2400.00	58.91	27.58	5.39	34.01	57.87	74.00	-16.13	Horizontal
2390.00	51.92	27.59	5.38	34.01	50.88	74.00	-23.12	Vertical
2400.00	60.35	27.58	5.39	34.01	59.31	74.00	-14.69	Vertical
Average va	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
2390.00	37.47	27.59	5.38	34.01	36.43	54.00	-17.57	Horizontal
2400.00	45.63	27.58	5.39	34.01	44.59	54.00	-9.41	Horizontal
2390.00	39.19	27.59	5.38	34.01	38.15	54.00	-15.85	Vertical
2400.00	46.65	27.58	5.39	34.01	45.61	54.00	-8.39	Vertical
Test mode:		802.1	1n(HT20)	Tes	st channel:	H	lighest	
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
2483.50	50.43	27.53	5.47	33.92	49.51	74.00	-24.49	Horizontal
2500.00	46.68	27.55	5.49	29.93	49.79	74.00	-24.21	Horizontal
2483.50	52.42	27.53	5.47	33.92	51.50	74.00	-22.50	Vertical
2500.00	48.94	27.55	5.49	29.93	52.05	74.00	-21.95	Vertical
Average va	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
2483.50	37.64	27.53	5.47	33.92	36.72	54.00	-17.28	Horizontal
2500.00	33.99	27.55	5.49	29.93	37.10	54.00	-16.90	Horizontal
2483.50	39.47	27.53	5.47	33.92	38.55	54.00	-15.45	Vertical
2500.00	35.82	27.55	5.49	29.93	38.93	54.00	-15.07	Vertical
Remark:								

Test channel:

802.11n(HT20)

Global United Technology Services Co., Ltd.

No. 301-309, 3/F., Jinyuan Business Building, No.2, Laodong Industrrial Zone,

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.

 ${\it Xixiang Road, Baoan District, Shenzhen, Guangdong, China}$

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



Test mode:

Report No.: GTS16000787E01

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
49.72	27.59	5.38	34.01	48.68	74.00	-25.32	Horizontal
58.08	27.58	5.39	34.01	57.04	74.00	-16.96	Horizontal
51.26	27.59	5.38	34.01	50.22	74.00	-23.78	Vertical
59.36	27.58	5.39	34.01	58.32	74.00	-15.68	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
37.03	27.59	5.38	34.01	35.99	54.00	-18.01	Horizontal
45.12	27.58	5.39	34.01	44.08	54.00	-9.92	Horizontal
38.70	27.59	5.38	34.01	37.66	54.00	-16.34	Vertical
46.10	27.58	5.39	34.01	45.06	54.00	-8.94	Vertical
	802.1	1n(HT40)	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
			` '			(GD)	
49.54	27.53	5.47	33.92	48.62	74.00	-25.38	Horizontal
49.54 45.99	27.53 27.55	5.47 5.49	` '	48.62 49.10	74.00 74.00	` ,	Horizontal Horizontal
			33.92			-25.38	
45.99	27.55	5.49	33.92 29.93	49.10	74.00	-25.38 -24.90	Horizontal
45.99 51.41	27.55 27.53	5.49 5.47	33.92 29.93 33.92	49.10 50.49	74.00 74.00	-25.38 -24.90 -23.51	Horizontal Vertical
45.99 51.41 48.13	27.55 27.53	5.49 5.47	33.92 29.93 33.92	49.10 50.49	74.00 74.00	-25.38 -24.90 -23.51	Horizontal Vertical
45.99 51.41 48.13 lue: Read Level	27.55 27.53 27.55 Antenna Factor	5.49 5.47 5.49 Cable Loss	33.92 29.93 33.92 29.93 Preamp Factor	49.10 50.49 51.24 Level	74.00 74.00 74.00 Limit Line	-25.38 -24.90 -23.51 -22.76 Over Limit	Horizontal Vertical Vertical
45.99 51.41 48.13 Iue: Read Level (dBuV)	27.55 27.53 27.55 Antenna Factor (dB/m)	5.49 5.47 5.49 Cable Loss (dB)	33.92 29.93 33.92 29.93 Preamp Factor (dB)	49.10 50.49 51.24 Level (dBuV/m)	74.00 74.00 74.00 Limit Line (dBuV/m)	-25.38 -24.90 -23.51 -22.76 Over Limit (dB)	Horizontal Vertical Vertical Polarization
45.99 51.41 48.13 lue: Read Level (dBuV) 37.11	27.55 27.53 27.55 Antenna Factor (dB/m) 27.53	5.49 5.47 5.49 Cable Loss (dB) 5.47	33.92 29.93 33.92 29.93 Preamp Factor (dB) 33.92	49.10 50.49 51.24 Level (dBuV/m) 36.19	74.00 74.00 74.00 Limit Line (dBuV/m) 54.00	-25.38 -24.90 -23.51 -22.76 Over Limit (dB) -17.81	Horizontal Vertical Vertical Polarization Horizontal
	Read Level (dBuV) 49.72 58.08 51.26 59.36 Iue: Read Level (dBuV) 37.03 45.12 38.70 46.10 Read Level	Read Level (dBuV) Antenna Factor (dB/m) 49.72 27.59 58.08 27.58 51.26 27.59 59.36 27.58 lue: Read Level (dBuV) Antenna Factor (dB/m) 37.03 27.59 45.12 27.58 38.70 27.59 46.10 27.58 802.1 Example of the color of th	Read Level (dBuV) Antenna Factor (dB/m) Cable Loss (dB) 49.72 27.59 5.38 58.08 27.58 5.39 51.26 27.59 5.38 59.36 27.58 5.39 lue: Read Level (dBuV) Antenna Factor (dB/m) Cable Loss (dB) 37.03 27.59 5.38 45.12 27.58 5.39 38.70 27.59 5.38 46.10 27.58 5.39 802.11n(HT40) Read Level Factor Loss	Read Level (dBuV) Antenna Factor (dB/m) Cable Loss (dB) Preamp Factor (dB) 49.72 27.59 5.38 34.01 58.08 27.58 5.39 34.01 51.26 27.59 5.38 34.01 59.36 27.58 5.39 34.01 Iue: Read Level (dBuV) Antenna Factor (dB/m) Cable Factor (dB) Preamp Factor (dB) 45.12 27.58 5.39 34.01 38.70 27.59 5.38 34.01 46.10 27.58 5.39 34.01 802.11n(HT40) Testen Factor Read Level Factor Loss Preamp Factor	Read Level (dBuV) Antenna Factor (dB/m) Cable Loss (dB) Preamp Factor (dBuV/m) Level (dBuV/m) 49.72 27.59 5.38 34.01 48.68 58.08 27.58 5.39 34.01 57.04 51.26 27.59 5.38 34.01 50.22 59.36 27.58 5.39 34.01 58.32 Iue: Read Level (dB/m) Cable Factor (dB) Preamp Factor (dB) Level (dBuV/m) 37.03 27.59 5.38 34.01 35.99 45.12 27.58 5.39 34.01 37.66 38.70 27.59 5.38 34.01 37.66 46.10 27.58 5.39 34.01 45.06 Read Level Antenna Cable Factor Loss Preamp Factor (dBuV/m) Level (dBuV/m)	Read Level (dBuV) Antenna Factor (dB/m) Cable Loss (dB) Preamp Factor (dBuV/m) Level (dBuV/m) Limit Line (dBuV/m) 49.72 27.59 5.38 34.01 48.68 74.00 58.08 27.58 5.39 34.01 57.04 74.00 51.26 27.59 5.38 34.01 50.22 74.00 59.36 27.58 5.39 34.01 58.32 74.00 lue: Read Level (dBuV) Antenna Factor (dB/m) Cable Factor (dB) Level (dBuV/m) Limit Line (dBuV/m) 45.12 27.58 5.39 34.01 35.99 54.00 38.70 27.59 5.38 34.01 37.66 54.00 46.10 27.58 5.39 34.01 45.06 54.00 802.11n(HT40) Test channel: Factor (dBuV/m) Limit Line (dBuV/m)	Read Level (dBuV) Antenna Factor (dB/m) Cable Loss (dB/m) Preamp Factor (dB) Level (dBuV/m) Limit Line (dBuV/m) Over Limit (dB) 49.72 27.59 5.38 34.01 48.68 74.00 -25.32 58.08 27.58 5.39 34.01 57.04 74.00 -16.96 51.26 27.59 5.38 34.01 50.22 74.00 -23.78 59.36 27.58 5.39 34.01 58.32 74.00 -15.68 Iue: Read Level (dBuV) Antenna Factor (dB/m) Cable Loss (dB) Level (dBuV/m) Limit Line (dBuV/m) Over Limit (dB) 45.12 27.59 5.38 34.01 35.99 54.00 -18.01 45.12 27.58 5.39 34.01 37.66 54.00 -9.92 38.70 27.59 5.38 34.01 37.66 54.00 -16.34 46.10 27.58 5.39 34.01 45.06 54.00 -8.94 Booth Factor Loss Factor (dBuV/m) Level (

Test channel:

802.11n(HT40)

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.



7.7 Spurious Emission

7.7.1 Conducted Emission Method

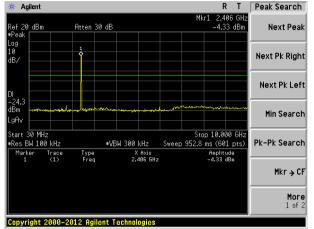
Test Requirement:	FCC Part15 C Section 15.247 (d)				
Test Method:	ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance V03				
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the 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 5.3 for details				
Test results:	Pass				



Test plot as follows:

Test mode: 802.11b

Lowest channel



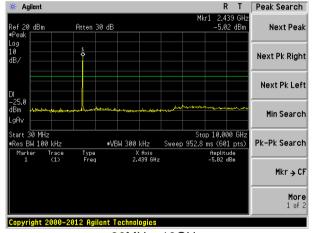
30MHz~10GHz

R T Peak Search Agilent 13.300 GH: -51.41 dBm Ref 20 dBm Next Peak Atten 30 dB Next Pk Right Next Pk Left Min Search Stop 25.000 GH: Sweep 1.434 s (601 pts) Start 10.000 GHz #VBW 300 kHz Pk-Pk Search Res BW 100 kHz Type Freq Trace (1) X Axis 13.300 GHz Amplitude -51.41 dBm Mkr → CF More 1 of 2 Copyright 2000-2012 Agilent Technologies

10GHz~25GHz

Middle channel

Highest channel

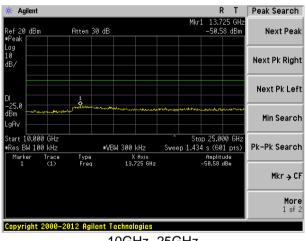


30MHz~10GHz

R T Peak Search

Mkr → CF

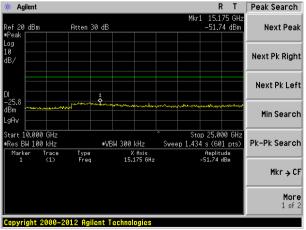
More 1 of 2



10GHz~25GHz



30MHz~10GHz



10GHz~25GHz

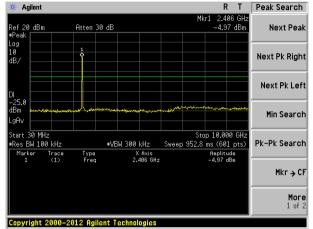
Copyright 2000-2012 Agilent Technologies



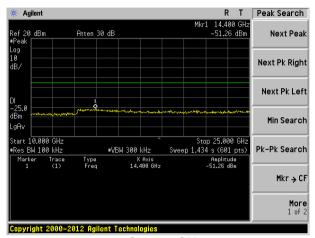
Test mode:

802.11g



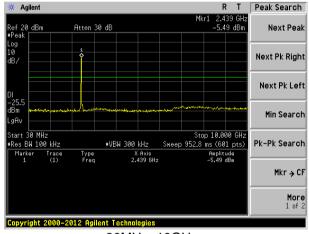


30MHz~10GHz

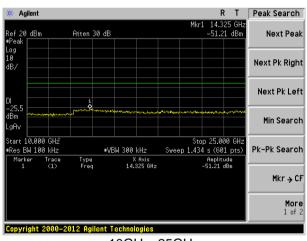


10GHz~25GHz

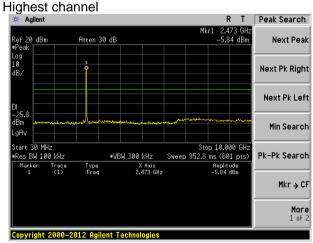
Middle channel



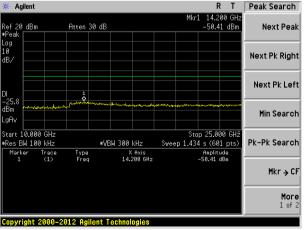
30MHz~10GHz



10GHz~25GHz



30MHz~10GHz



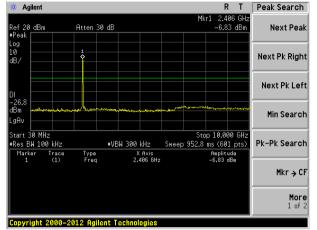
10GHz~25GHz



Test mode:

802.11n(HT20)

Lowest channel

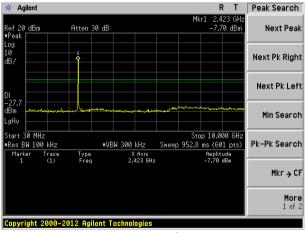


30MHz~10GHz

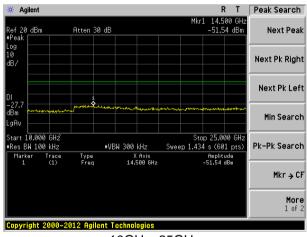
10GHz~25GHz

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Middle channel

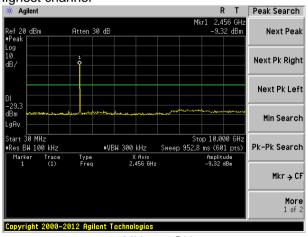


30MHz~10GHz

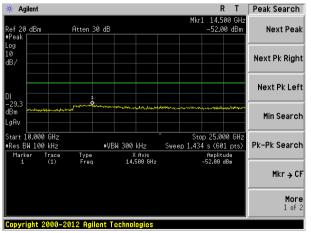


10GHz~25GHz

Highest channel



30MHz~10GHz



10GHz~25GHz

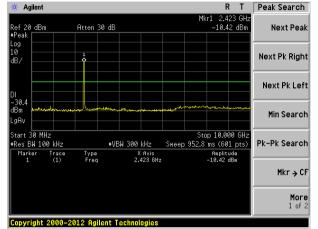
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Test mode:

802.11n(HT40)

Lowest channel

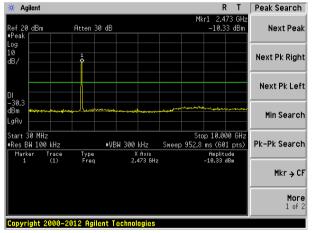


30MHz~10GHz

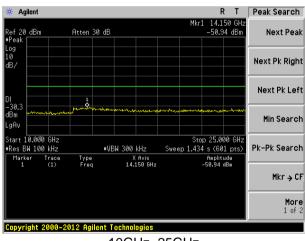
* Agilent R T Peak Search 14.200 GHz -51.63 dBm Atten 30 dB Next Peak ef 20 dBm Next Pk Right Next Pk Left Min Search Start 10.000 GHz •Res BW 100 kHz Stop 25.000 GH: Sweep 1.434 s (601 pts) Pk-Pk Search #VBW 300 kHz X Axis 14.200 GHz Amplitude -51.63 dBm Mkr → CF Copyright 2000-2012 Agilent Technologies

10GHz~25GHz

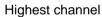
Middle channel

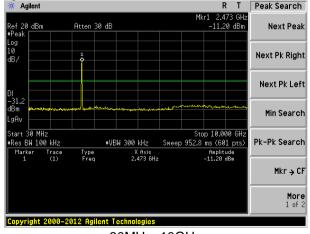


30MHz~10GHz

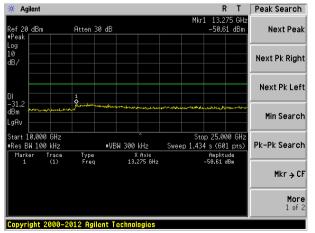


10GHz~25GHz





30MHz~10GHz



10GHz~25GHz



7.7.2 Radiated Emission Method

Test Requirement:	FCC Part15 C Section 15.209							
Test Method:	ANSI C63.10:2013							
Test Frequency Range:	30MHz to 25GHz							
Test site:	Measurement Dis	stance: 3m						
Receiver setup:	Frequency Detector RBW VBW Value							
	30MHz-1GHz Quasi-peak 120KHz 300KHz Quasi-peak							
	Above 1GHz Peak 1MHz 3MHz Peak							
	Above IGHZ	RMS	1MHz	3MHz	Average			
Limit:	Frequen	су	Limit (dBuV/	/m @3m)	Value			
	30MHz-88	MHz	40.0	0	Quasi-peak			
	88MHz-216	6MHz	43.5	0	Quasi-peak			
	216MHz-96	0MHz	46.0	0	Quasi-peak			
	960MHz-1	GHz	54.0	0	Quasi-peak			
	Above 10	∑U-7	54.0	0	Average			
	Above 10	JI 12	74.0	0	Peak			
Test setup:	Below 1GHz Antenna Tower Search Antenna RF Test Receiver Ground Plane							



	Antenna Tower Horn Antenna Spectrum Analyzer Turn Table Amplifier
Test Procedure:	The EUT was placed on the top of a rotating table 0.8 meters 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.
	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, quasipeak or average method as specified and then reported in a data sheet.
	7. The radiation measurements are performed in X, Y, Z axis positioning. And found the Y axis positioning which it is worse case, only the test worst case mode is recorded in the report.
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.3 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

■ Below 1GHz

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
48.84	34.47	15.32	0.76	30.00	20.55	40.00	-19.45	Vertical
95.43	40.53	14.87	1.16	29.72	26.84	43.50	-16.66	Vertical
173.81	38.51	11.23	1.71	29.30	22.15	43.50	-21.35	Vertical
315.48	41.89	15.28	2.44	29.91	29.70	46.00	-16.30	Vertical
420.58	44.28	17.47	2.95	29.45	35.25	46.00	-10.75	Vertical
599.32	27.86	20.45	3.72	29.30	22.73	46.00	-23.27	Vertical
40.70	29.29	15.58	0.67	30.04	15.50	40.00	-24.50	Horizontal
79.52	37.97	10.48	1.02	29.80	19.67	40.00	-20.33	Horizontal
133.15	41.57	10.67	1.46	29.49	24.21	43.50	-19.29	Horizontal
219.08	39.35	13.17	1.95	29.38	25.09	46.00	-20.91	Horizontal
305.68	40.49	15.13	2.39	29.96	28.05	46.00	-17.95	Horizontal
603.54	32.03	20.46	3.73	29.30	26.92	46.00	-19.08	Horizontal



Above 1GHz

Test mode:		802.11b		Test	channel:	Lowe	est	
Peak value:		T	ı	1	ı		ı	
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	40.64	31.79	8.62	32.10	48.95	74.00	-25.05	Vertical
7236.00	34.44	36.19	11.68	31.97	50.34	74.00	-23.66	Vertical
9648.00	32.87	38.07	14.16	31.56	53.54	74.00	-20.46	Vertical
12060.00	*					74.00		Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4824.00	39.26	31.79	8.62	32.10	47.57	74.00	-26.43	Horizontal
7236.00	34.16	36.19	11.68	31.97	50.06	74.00	-23.94	Horizontal
9648.00	32.44	38.07	14.16	31.56	53.11	74.00	-20.89	Horizontal
12060.00	*					74.00		Horizontal
14472.00	*					74.00		Horizontal
16884.00	*					74.00		Horizontal
Average val							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
4824.00	29.70	31.79	8.62	32.10	38.01	54.00	-15.99	Vertical
7236.00	23.30	36.19	11.68	31.97	39.20	54.00	-14.80	Vertical
9648.00	23.21	38.07	14.16	31.56	43.88	54.00	-10.12	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertical
4824.00	28.78	31.79	8.62	32.10	37.09	54.00	-16.91	Horizontal
7236.00	22.74	36.19	11.68	31.97	38.64	54.00	-15.36	Horizontal
9648.00	22.18	38.07	14.16	31.56	42.85	54.00	-11.15	Horizontal
12060.00	*					54.00		Horizontal
14472.00	*					54.00		Horizontal
16884.00	*					54.00		Horizontal

Remark:

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^{1.} Final Level =Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor

^{2. &}quot;*", means this data is the too weak instrument of signal is unable to test.



Test mode:		802.11b		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	39.64	31.85	8.66	32.12	48.03	74.00	-25.97	Vertical
7311.00	34.47	36.37	11.71	31.91	50.64	74.00	-23.36	Vertical
9748.00	33.86	38.27	14.25	31.56	54.82	74.00	-19.18	Vertical
12185.00	*					74.00		Vertical
14622.00	*					74.00		Vertical
17059.00	*					74.00		Vertical
4874.00	40.07	31.85	8.66	32.12	48.46	74.00	-25.54	Horizontal
7311.00	33.09	36.37	11.71	31.91	49.26	74.00	-24.74	Horizontal
9748.00	33.74	38.27	14.25	31.56	54.70	74.00	-19.30	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	30.47	31.85	8.66	32.12	38.86	54.00	-15.14	Vertical
7311.00	22.78	36.37	11.71	31.91	38.95	54.00	-15.05	Vertical
9748.00	23.11	38.27	14.25	31.56	44.07	54.00	-9.93	Vertical
12185.00	*					54.00		Vertical
14622.00	*					54.00		Vertical
17059.00	*					54.00		Vertical
4874.00	30.17	31.85	8.66	32.12	38.56	54.00	-15.44	Horizontal
7311.00	22.17	36.37	11.71	31.91	38.34	54.00	-15.66	Horizontal
9748.00	23.45	38.27	14.25	31.56	44.41	54.00	-9.59	Horizontal
12185.00	*					54.00		Horizontal
14622.00	*					54.00		Horizontal
17059.00	*	_				54.00		Horizontal

Remark:

^{1.} Final Level =Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor

^{2. &}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:						<u> </u>		
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	45.38	31.90	8.70	32.15	53.83	74.00	-20.17	Vertical
7386.00	35.28	36.49	11.76	31.83	51.70	74.00	-22.30	Vertical
9848.00	37.25	38.62	14.31	31.77	58.41	74.00	-15.59	Vertical
12310.00	*					74.00		Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4924.00	44.60	31.90	8.70	32.15	53.05	74.00	-20.95	Horizontal
7386.00	34.14	36.49	11.76	31.83	50.56	74.00	-23.44	Horizontal
9848.00	33.41	38.62	14.31	31.77	54.57	74.00	-19.43	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	36.25	31.90	8.70	32.15	44.70	54.00	-9.30	Vertical
7386.00	25.18	36.49	11.76	31.83	41.60	54.00	-12.40	Vertical
9848.00	25.75	38.62	14.31	31.77	46.91	54.00	-7.09	Vertical
12310.00	*					54.00		Vertical
14772.00	*					54.00		Vertical
17234.00	*					54.00		Vertical
4924.00	34.94	31.90	8.70	32.15	43.39	54.00	-10.61	Horizontal
7386.00	23.52	36.49	11.76	31.83	39.94	54.00	-14.06	Horizontal
9848.00	22.66	38.62	14.31	31.77	43.82	54.00	-10.18	Horizontal
12310.00	*					54.00		Horizontal
14772.00	*					54.00		Horizontal
17234.00	*					54.00		Horizontal

Remark:

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^{1.} Final Level =Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor

^{2. &}quot;*", means this data is the too weak instrument of signal is unable to test.



Test mode:		802.11g		Test	channel:	lowes	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	39.99	31.79	8.62	32.10	48.30	74.00	-25.70	Vertical
7236.00	34.03	36.19	11.68	31.97	49.93	74.00	-24.07	Vertical
9648.00	32.58	38.07	14.16	31.56	53.25	74.00	-20.75	Vertical
12060.00	*					74.00		Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4824.00	38.71	31.79	8.62	32.10	47.02	74.00	-26.98	Horizontal
7236.00	33.80	36.19	11.68	31.97	49.70	74.00	-24.30	Horizontal
9648.00	32.17	38.07	14.16	31.56	52.84	74.00	-21.16	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 (dBuV/m)	Over Limit (dB)	polarization
4824.00	29.10	31.79	8.62	32.10	37.41	54.00	-16.59	Vertical
7236.00	22.90	36.19	11.68	31.97	38.80	54.00	-15.20	Vertical
9648.00	22.93	38.07	14.16	31.56	43.60	54.00	-10.40	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertica
4824.00	28.26	31.79	8.62	32.10	36.57	54.00	-17.43	Horizontal
7236.00	22.39	36.19	11.68	31.97	38.29	54.00	-15.71	Horizontal
9648.00	21.92	38.07	14.16	31.56	42.59	54.00	-11.41	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. &}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	39.10	31.85	8.66	32.12	47.49	74.00	-26.51	Vertical
7311.00	34.13	36.37	11.71	31.91	50.30	74.00	-23.70	Vertical
9748.00	33.62	38.27	14.25	31.56	54.58	74.00	-19.42	Vertical
12185.00	*					74.00		Vertical
14622.00	*					74.00		Vertical
17059.00	*					74.00		Vertical
4874.00	39.62	31.85	8.66	32.12	48.01	74.00	-25.99	Horizontal
7311.00	32.79	36.37	11.71	31.91	48.96	74.00	-25.04	Horizontal
9748.00	33.52	38.27	14.25	31.56	54.48	74.00	-19.52	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	29.97	31.85	8.66	32.12	38.36	54.00	-15.64	Vertical
7311.00	22.45	36.37	11.71	31.91	38.62	54.00	-15.38	Vertical
9748.00	22.88	38.27	14.25	31.56	43.84	54.00	-10.16	Vertical
12185.00	*					54.00		Vertical
14622.00	*					54.00		Vertical
17059.00	*					54.00		Vertical
4874.00	29.74	31.85	8.66	32.12	38.13	54.00	-15.87	Horizontal
7311.00	21.89	36.37	11.71	31.91	38.06	54.00	-15.94	Horizontal
9748.00	23.24	38.27	14.25	31.56	44.20	54.00	-9.80	Horizontal
12185.00	*					54.00		Horizontal
14622.00	*					54.00		Horizontal
17059.00	*					54.00		Horizontal

Remark:

- 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.

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Test mode:		802.11g		Tes	t 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	44.45	31.90	8.70	32.15	52.90	74.00	-21.10	Vertical
7386.00	34.69	36.49	11.76	31.83	51.11	74.00	-22.89	Vertical
9848.00	36.84	38.62	14.31	31.77	58.00	74.00	-16.00	Vertical
12310.00	*					74.00		Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4924.00	43.82	31.90	8.70	32.15	52.27	74.00	-21.73	Horizontal
7386.00	33.63	36.49	11.76	31.83	50.05	74.00	-23.95	Horizontal
9848.00	33.02	38.62	14.31	31.77	54.18	74.00	-19.82	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	35.40	31.90	8.70	32.15	43.85	54.00	-10.15	Vertical
7386.00	24.62	36.49	11.76	31.83	41.04	54.00	-12.96	Vertical
9848.00	25.35	38.62	14.31	31.77	46.51	54.00	-7.49	Vertical
12310.00	*					54.00		Vertical
14772.00	*					54.00		Vertical
17234.00	*					54.00		Vertical
4924.00	34.21	31.90	8.70	32.15	42.66	54.00	-11.34	Horizontal
7386.00	23.03	36.49	11.76	31.83	39.45	54.00	-14.55	Horizontal
9848.00	22.29	38.62	14.31	31.77	43.45	54.00	-10.55	Horizontal
12310.00	*					54.00		Horizontal
14772.00	*					54.00		Horizontal
17234.00	*					54.00		Horizontal

Remark:

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^{1.} Final Level =Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor

^{2. &}quot;*", means this data is the too weak instrument of signal is unable to test.



Test mode:		802.11n(H	IT20)	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	40.37	31.79	8.62	32.10	48.68	74.00	-25.32	Vertical
7236.00	34.27	36.19	11.68	31.97	50.17	74.00	-23.83	Vertical
9648.00	32.75	38.07	14.16	31.56	53.42	74.00	-20.58	Vertical
12060.00	*					74.00		Vertical
14472.00	*					74.00		Vertical
16884.00	*					74.00		Vertical
4824.00	39.03	31.79	8.62	32.10	47.34	74.00	-26.66	Horizontal
7236.00	34.01	36.19	11.68	31.97	49.91	74.00	-24.09	Horizontal
9648.00	32.33	38.07	14.16	31.56	53.00	74.00	-21.00	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 (dBuV/m)	Over Limit (dB)	polarization
4824.00	29.45	31.79	8.62	32.10	37.76	54.00	-16.24	Vertical
7236.00	23.13	36.19	11.68	31.97	39.03	54.00	-14.97	Vertical
9648.00	23.09	38.07	14.16	31.56	43.76	54.00	-10.24	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertical
4824.00	28.56	31.79	8.62	32.10	36.87	54.00	-17.13	Horizontal
7236.00	22.59	36.19	11.68	31.97	38.49	54.00	-15.51	Horizontal
9648.00	22.07	38.07	14.16	31.56	42.74	54.00	-11.26	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(H	IT20)	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	39.41	31.85	8.66	32.12	47.80	74.00	-26.20	Vertical
7311.00	34.33	36.37	11.71	31.91	50.50	74.00	-23.50	Vertical
9748.00	33.76	38.27	14.25	31.56	54.72	74.00	-19.28	Vertical
12185.00	*					74.00		Vertical
14622.00	*					74.00		Vertical
17059.00	*					74.00		Vertical
4874.00	39.88	31.85	8.66	32.12	48.27	74.00	-25.73	Horizontal
7311.00	32.97	36.37	11.71	31.91	49.14	74.00	-24.86	Horizontal
9748.00	33.65	38.27	14.25	31.56	54.61	74.00	-19.39	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	30.26	31.85	8.66	32.12	38.65	54.00	-15.35	Vertical
7311.00	22.65	36.37	11.71	31.91	38.82	54.00	-15.18	Vertical
9748.00	23.01	38.27	14.25	31.56	43.97	54.00	-10.03	Vertical
12185.00	*					54.00		Vertical
14622.00	*					54.00		Vertical
17059.00	*					54.00		Vertical
4874.00	29.99	31.85	8.66	32.12	38.38	54.00	-15.62	Horizontal
7311.00	22.05	36.37	11.71	31.91	38.22	54.00	-15.78	Horizontal
9748.00	23.36	38.27	14.25	31.56	44.32	54.00	-9.68	Horizontal
12185.00	*					54.00		Horizontal
14622.00	*					54.00		Horizontal
17059.00	*					54.00		Horizontal

^{1.} Final Level =Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor

^{2. &}quot;*", means this data is the too weak instrument of signal is unable to test.



Test mode:		802.11n(H	IT20)	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	44.99	31.90	8.70	32.15	53.44	74.00	-20.56	Vertical
7386.00	35.04	36.49	11.76	31.83	51.46	74.00	-22.54	Vertical
9848.00	37.08	38.62	14.31	31.77	58.24	74.00	-15.76	Vertical
12310.00	*					74.00		Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4924.00	44.28	31.90	8.70	32.15	52.73	74.00	-21.27	Horizontal
7386.00	33.93	36.49	11.76	31.83	50.35	74.00	-23.65	Horizontal
9848.00	33.25	38.62	14.31	31.77	54.41	74.00	-19.59	Horizontal
12310.00	*					74.00		Horizontal
14772.00	*					74.00		Horizontal
17234.00	*					74.00		Horizontal
Average val			,					
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	35.90	31.90	8.70	32.15	44.35	54.00	-9.65	Vertical
7386.00	24.95	36.49	11.76	31.83	41.37	54.00	-12.63	Vertical
9848.00	25.58	38.62	14.31	31.77	46.74	54.00	-7.26	Vertical
12310.00	*					54.00		Vertical
14772.00	*					54.00		Vertical
17234.00	*					54.00		Vertical
4924.00	34.64	31.90	8.70	32.15	43.09	54.00	-10.91	Horizontal
7386.00	23.32	36.49	11.76	31.83	39.74	54.00	-14.26	Horizontal
9848.00	22.50	38.62	14.31	31.77	43.66	54.00	-10.34	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 &}quot;*", means this data is the too weak instrument of signal is unable to test.



Test mode:		802.11n(HT40)			Test channel:			Lowe	est	
Peak value:		1								
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
4844.00	38.89	31.81	8.63	32	.11	47.22	74.00		-26.78	Vertical
7266.00	33.33	36.28	11.69	31	.94	49.36	74.	00	-24.64	Vertical
9688.00	32.08	38.13	14.21	31	.52	52.90	74.	00	-21.10	Vertical
12060.00	*						74.	00		Vertical
14472.00	*						74.	00		Vertical
16884.00	*						74.	00		Vertical
4844.00	37.78	31.81	8.63	32	.11	46.11	74.	00	-27.89	Horizontal
7266.00	33.19	36.28	11.69	31	.94	49.22	74.	00	-24.78	Horizontal
9688.00	31.71	38.13	14.21	31	.52	52.53	74.	00	-21.47	Horizontal
12060.00	*						74.	00		Horizontal
14472.00	*						74.	00		Horizontal
16884.00	*						74.	00		Horizontal
Average val	ne.	•		•		•				

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	28.08	31.81	8.63	32.11	36.41	54.00	-17.59	Vertical
7266.00	22.23	36.28	11.69	31.94	38.26	54.00	-15.74	Vertical
9688.00	22.45	38.13	14.21	31.52	43.27	54.00	-10.73	Vertical
12060.00	*					54.00		Vertical
14472.00	*					54.00		Vertical
16884.00	*					54.00		Vertical
4844.00	27.39	31.81	8.63	32.11	35.72	54.00	-18.28	Horizontal
7266.00	21.80	36.28	11.69	31.94	37.83	54.00	-16.17	Horizontal
9688.00	21.48	38.13	14.21	31.52	42.30	54.00	-11.70	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(H	IT40)	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	38.19	31.85	8.66	32.12	46.58	74.00	-27.42	Vertical
7311.00	33.55	36.37	11.71	31.91	49.72	74.00	-24.28	Vertical
9748.00	33.21	38.27	14.25	31.56	54.17	74.00	-19.83	Vertical
12185.00	*					74.00		Vertical
14622.00	*					74.00		Vertical
17059.00	*					74.00		Vertical
4874.00	38.85	31.85	8.66	32.12	47.24	74.00	-26.76	Horizontal
7311.00	32.29	36.37	11.71	31.91	48.46	74.00	-25.54	Horizontal
9748.00	33.14	38.27	14.25	31.56	54.10	74.00	-19.90	Horizontal
12185.00	*					74.00		Horizontal
14622.00	*					74.00		Horizontal
17059.00	*					74.00		Horizontal
Average val								
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	29.13	31.85	8.66	32.12	37.52	54.00	-16.48	Vertical
7311.00	21.90	36.37	11.71	31.91	38.07	54.00	-15.93	Vertical
9748.00	22.48	38.27	14.25	31.56	43.44	54.00	-10.56	Vertical
12185.00	*					54.00		Vertical
14622.00	*					54.00		Vertical
17059.00	*					54.00		Vertical
4874.00	29.02	31.85	8.66	32.12	37.41	54.00	-16.59	Horizontal
7311.00	21.40	36.37	11.71	31.91	37.57	54.00	-16.43	Horizontal
9748.00	22.87	38.27	14.25	31.56	43.83	54.00	-10.17	Horizontal
12185.00	*					54.00		Horizontal
14622.00	*					54.00		Horizontal
17059.00	*					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)		Test channel:		Highest		
Peak value:						<u> </u>		
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
4904.00	42.88	31.88	8.68	32.13	51.31	74.00	-22.69	Vertical
7356.00	33.70	36.45	11.75	31.86	50.04	74.00	-23.96	Vertical
9808.00	36.12	38.43	14.29	31.68	57.16	74.00	-16.84	Vertical
12310.00	*					74.00		Vertical
14772.00	*					74.00		Vertical
17234.00	*					74.00		Vertical
4904.00	42.49	31.88	8.68	32.13	50.92	74.00	-23.08	Horizontal
7356.00	32.76	36.45	11.75	31.86	49.10	74.00	-24.90	Horizontal
9808.00	32.36	38.43	14.29	31.68	53.40	74.00	-20.60	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
4904.00	33.95	31.88	8.68	32.13	42.38	54.00	-11.62	Vertical
7356.00	23.66	36.45	11.75	31.86	40.00	54.00	-14.00	Vertical
9808.00	24.66	38.43	14.29	31.68	45.70	54.00	-8.30	Vertical
12310.00	*					54.00		Vertical
14772.00	*					54.00		Vertical
17234.00	*					54.00		Vertical
4904.00	32.96	31.88	8.68	32.13	41.39	54.00	-12.61	Horizontal
7356.00	22.18	36.45	11.75	31.86	38.52	54.00	-15.48	Horizontal
9808.00	21.65	38.43	14.29	31.68	42.69	54.00	-11.31	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 &}quot;*", means this data is the too weak instrument of signal is unable to test.



8 Test Setup Photo

Radiated Emission







Conducted Emission



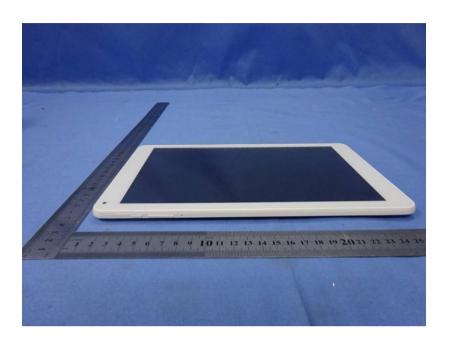


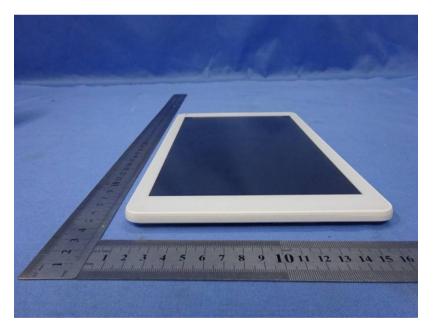
9 EUT Constructional Details



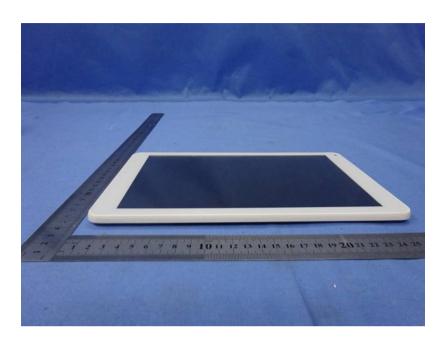












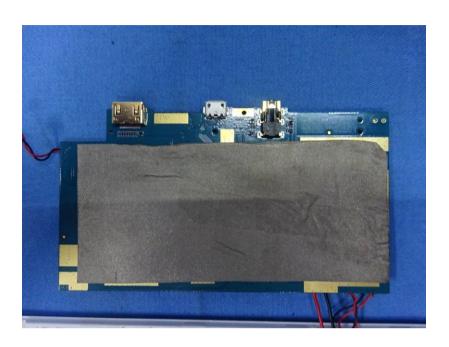


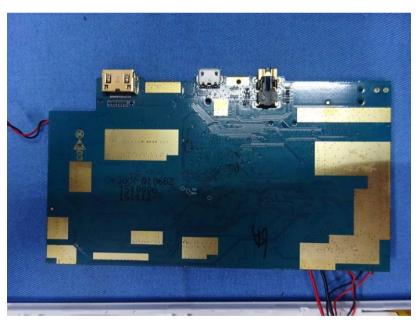






















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