FCC REPORT

Applicant:	Shenzhen Autel Intelligent Technology Co., Ltd.
Address of Applicant:	East Gate, the 1st Floor of SZICC Bldg, Chaguang Road 1089, Xili Town, Nanshan District, Shenzhen, China

Equipment Under Test (EUT)

Product Name:	MaxiSys
Model No.:	MaxiSys
Trade mark:	AUTEL
FCC ID:	WQ8MAXISYSMY908
Applicable standards:	FCC CFR Title 47 Part 15 Subpart C Section 15.407:2012
Date of sample receipt:	September 12, 2013
Date of Test:	September 13 – November 1, 2013
Date of report issue:	November 4, 2013
Test Result :	PASS *

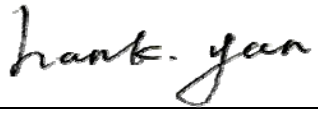
* In the configuration tested, the EUT complied with the standards specified abov

Authorized Signature:

Robinson Lo
Laboratory Manager

2 Version

Version No.	Date	Description
00	*November 4, 2013*	*Original*

Prepared By:  ***Date:*** *November 4, 2013*

Project Engineer

Check By:  ***Date:*** *November 4, 2013*

Reviewer

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4 Test Summary

Test Item	Section in CFR 47	Result
Antenna requirement	15.203	PASS
AC Power Line Conducted Emission	15.207	PASS
Peak Transmit Power	15.407(a)(1)	PASS
Power Spectral Density	15.407(a)(1)	PASS
Peak Excursion	15.407(a)(6)	PASS
Undesirable Emission	15.407(b)(6), 15.205/15.209	PASS
Radiated Emission	15.205/15.209	PASS
Band Edge	15.205	PASS
Frequency Stability	15.407(f)	PASS

Remark:

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

Fail: The EUT does not comply with the essential requirements in the standard.

5 General Information

5.1 Client Information

Applicant:	Shenzhen Autel Intelligent Technology Co., Ltd.
Address of Applicant:	East Gate, the 1st Floor of SZICC Bldg, Chaguang Road 1089, Xili Town, Nanshan District, Shenzhen, China
Manufacturer/ Factory:	Shenzhen Autel Intelligent Technology Co., Ltd.
Address of Manufacturer	East Gate, the 1st Floor of SZICC Bldg, Chaguang Road 1089, Xili Town, Nanshan District, Shenzhen, China

5.2 General Description of EUT

Product Name:	MaxiSys
Model No.:	MaxiSys
Operation Frequency:	802.11a/802.11n(HT20): 5180MHz ~ 5240MHz; 802.11n(HT40): 5180MHz ~ 5220MHz
Channel numbers:	802.11a/802.11n(HT20): 4; 802.11n(HT40): 2
Channel separation:	802.11a/802.11n(HT20): 20MHz; 802.11n(HT40): 40MHz
Modulation technology:	OFDM
Antenna Type:	Integral Antenna
Antenna gain:	0.85dBi (declare by Applicant)
Power supply:	Model No.:GFP361DA-1230-1 Input: AC 100~240V~50/60Hz 1.2A Output: DC 12.0V 3.0A DC 3.7V Li-ion Battery

5.3 Test mode

Transmitting mode	Keep the EUT in transmitting with modulation. EUT was test with 99% duty cycle at its maximum power control level.
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.	

5.4 Test Facility

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

● **CNAS —Registration No.: CNAS L5775**

CNAS has accredited Global United Technology Services Co., Ltd. To ISO/IEC 17025 General Requirements for the competence of testing and calibration laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

● **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.

5.5 Test Location

All tests were performed at:

Global United Technology Services Co., Ltd.

Address: 2nd Floor, Block No.2, Laodong Industrial Zone, Xixiang Road Baoan District, Shenzhen, China

Tel: 0755-27798480

Fax: 0755-27798960

5.6 Description of Support Units

None.

5.7 Deviation from Standards

None.

5.8 Abnormalities from Standard Conditions

None.

5.9 Other Information Requested by the Customer

None.

5.10 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. 29 2013	Mar. 28 2015
2	Control Room	ZhongYu Electron	6.2(L)*2.5(W)* 2.4(H)	GTS251	N/A	N/A
3	EMI Test Receiver	Rohde & Schwarz	ESU26	GTS203	Jul. 02 2013	Jul. 01 2014
4	Spectrum analyzer	Rohde & Schwarz	FSP40	GTS516	Jul. 02 2013	Jul. 01 2014
5	Spectrum Analyzer	Agilent	E4440A	GTS533	Dec. 6 2012	Dec. 5 2013
6	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	GTS214	Feb. 24 2013	Feb. 23 2014
7	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	9120D-829	GTS208	June 28 2013	June 27 2014
8	Horn Antenna	ETS-LINDGREN	3160	GTS217	Mar. 29 2013	Mar. 28 2014
9	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
10	Coaxial Cable	GTS	N/A	GTS213	Mar. 30 2013	Mar. 29 2014
11	Coaxial Cable	GTS	N/A	GTS211	Mar. 30 2013	Mar. 29 2014
12	Coaxial cable	GTS	N/A	GTS210	Mar. 30 2013	Mar. 29 2014
13	Coaxial Cable	GTS	N/A	GTS212	Mar. 30 2013	Mar. 29 2014
14	Amplifier(100kHz-3GHz)	HP	8347A	GTS204	Jul. 02 2013	Jul. 01 2014
15	Amplifier(2GHz-20GHz)	HP	8349B	GTS206	Jul. 02 2013	Jul. 01 2014
16	Amplifier (18-40GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	June 28 2013	June 27 2014
17	Band filter	Amindeon	82346	GTS219	Mar. 30 2013	Mar. 29 2014
18	Constant temperature and humidity box	Oregon Scientific	BA-888	GTS248	May 10 2013	May 09 2015
19	D.C. Power Supply	Instek	PS-3030	GTS232	May 10 2013	May 09 2015
20	Universal radio communication tester	Rohde & Schwarz	CMU200	GTS235	May 10 2013	May 09 2015
21	Splitter	Agilent	11636B	GTS237	May 10 2013	May 09 2015
22	Power Meter	Anritsu	ML2495A	GTS263	May 10 2013	May 09 2015

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. 07 2013	Sep. 06 2015
2	EMI Test Receiver	Rohde & Schwarz	ESCS30	GTS223	Jul. 02 2013	Jul. 01 2014
3	10dB Pulse Limita	Rohde & Schwarz	N/A	GTS224	Jul. 02 2013	Jul. 01 2014
4	Coaxial Switch	ANRITSU CORP	MP59B	GTS225	Jul. 02 2013	Jul. 01 2014
5	LISN	SCHWARZBECK MESS-ELEKTRONIK	NSLK 8127	GTS226	Jul. 02 2013	Jul. 01 2014
6	Coaxial Cable	GTS	N/A	GTS227	Jul. 02 2013	Jul. 01 2014
7	EMI Test Software	AUDIX	E3	N/A	N/A	N/A

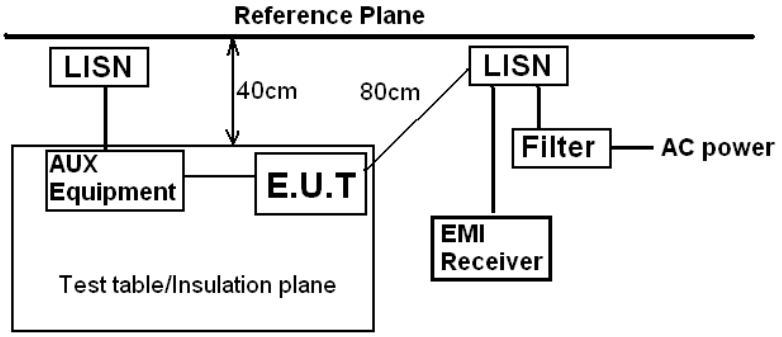
General used equipment:						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal.Date (mm-dd-yy)**	**Cal.Due date (mm-dd-yy)**
1	Barometer	ChangChun	DYM3	GTS257	July 09 2013	July 08 2014

5 Test results and Measurement Data

5.1 Antenna requirement:

Standard requirement:	FCC Part15 C Section 15.203
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.*	
E.U.T Antenna:	
The antenna is Integral antenna. The best case gain of the antenna is 0.85dBi. 	

5.2 Conducted Emissions

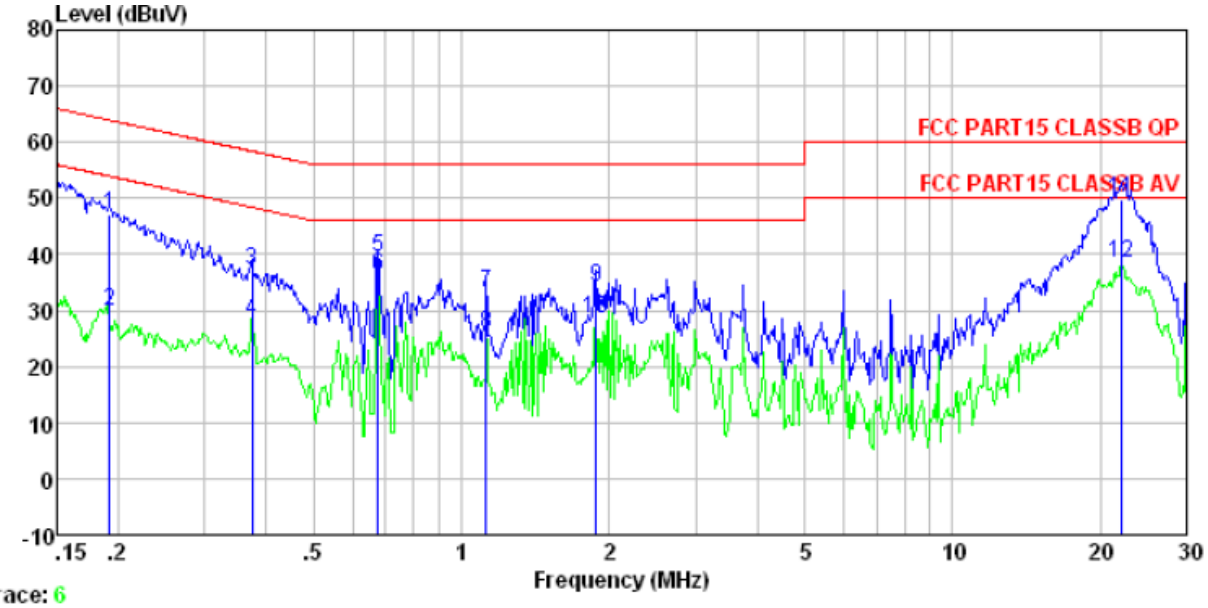
<table>
<tr><td>Test Requirement:</td><td>FCC Part15 C Section 15.207</td></tr>
<tr><td>Test Method:</td><td>ANSI C63.4: 2003</td></tr>
<tr><td>Test Frequency Range:</td><td>150KHz to 30MHz</td></tr>
<tr><td>Class / Severity:</td><td>Class B</td></tr>
<tr><td>Receiver setup:</td><td>RBW=9KHz, VBW=30KHz</td></tr>
<tr><td>Limit:</td><td>
<table>
<tr><td rowspan="2">Frequency range (MHz)</td><td colspan="2">Limit (dBuV)</td></tr>
<tr><td>Quasi-peak</td><td>Average</td></tr>
<tr><td>0.15-0.5</td><td>66 to 56*</td><td>56 to 46*</td></tr>
<tr><td>0.5-5</td><td>56</td><td>46</td></tr>
<tr><td>5-30</td><td>60</td><td>50</td></tr>
</table>
* Decreases with the logarithm of the frequency.
</td></tr>
<tr><td>Test procedure</td><td>The E.U.T and simulators are connected to the main power through a line impedance stabilization network(L.I.S.N.). The provide a 50ohm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refers to the block diagram of the test setup and photographs). 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 C63.4: 2003 on conducted measurement.</td></tr>
<tr><td>Test setup:</td><td> 

Remark:
E.U.T: Equipment Under Test
LISN: Line Impedence Stabilization Network
Test table height=0.8m</td></tr>
<tr><td>Test Instruments:</td><td>Refer to section 4.7 for details</td></tr>
<tr><td>Test mode:</td><td>Refer to section 4.3 for details. The EUT was tested in 802.11a and 802.11n(HT20) mode, 802.11n(HT20)mode is the worse mode. So only the 802.11n(HT20) mode’s data was showing in the report.</td></tr>
<tr><td>Test results:</td><td>Pass</td></tr>
</table>

Measurement Data

An initial pre-scan was performed on the live and neutral lines with peak detector. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.

Line:

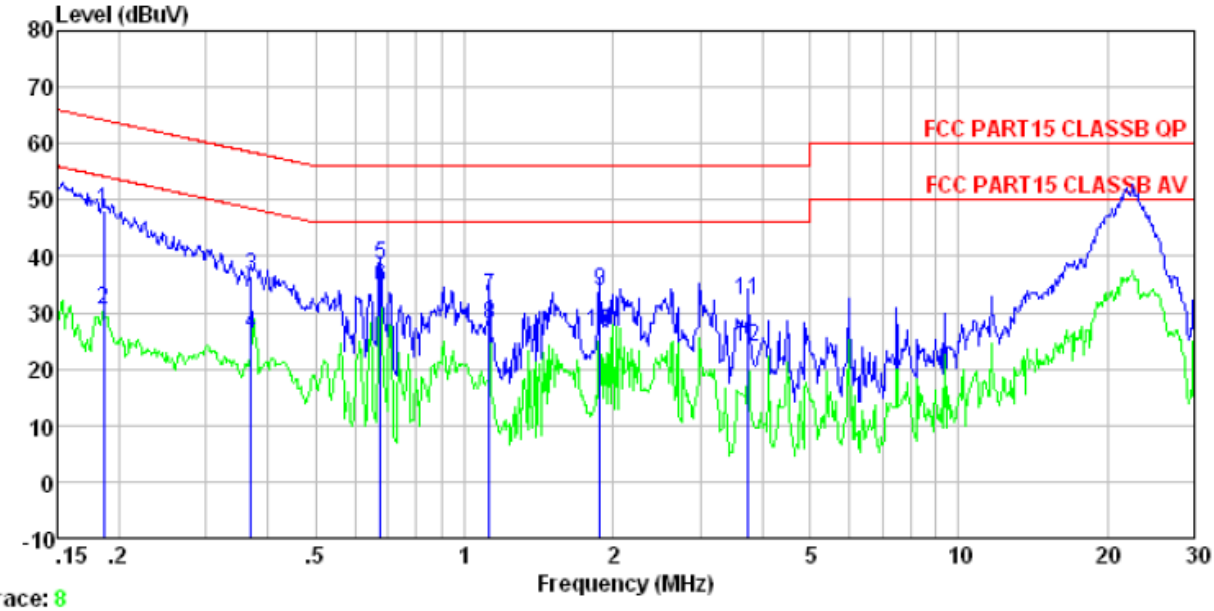


Trace: 6

Condition : FCC PART15 CLASSB QP LISN-2012 LINE
Job No. : 1027RF
Test mode : WiFi mode
Test Engineer: Yang

	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.192	47.23	-0.23	0.10	47.10	63.93	-16.83	QP
2	0.192	30.08	-0.23	0.10	29.95	53.93	-23.98	Average
3	0.375	37.16	-0.22	0.10	37.04	58.39	-21.35	QP
4	0.375	28.43	-0.22	0.10	28.31	48.39	-20.08	Average
5	0.675	39.60	-0.20	0.10	39.50	56.00	-16.50	QP
6	0.675	36.10	-0.20	0.10	36.00	46.00	-10.00	Average
7	1.123	33.18	-0.21	0.10	33.07	56.00	-22.93	QP
8	1.123	25.96	-0.21	0.10	25.85	46.00	-20.15	Average
9	1.878	34.42	-0.24	0.10	34.28	56.00	-21.72	QP
10	1.878	28.63	-0.24	0.10	28.49	46.00	-17.51	Average
11	22.180	50.16	-0.70	0.21	49.67	60.00	-10.33	QP
12	22.180	38.99	-0.70	0.21	38.50	50.00	-11.50	Average

Neutral:

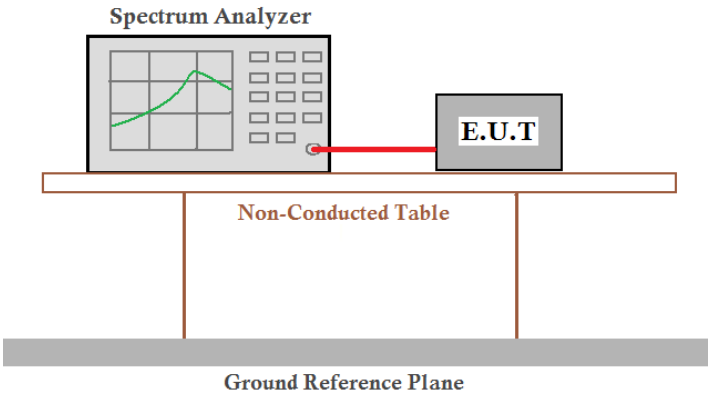


Trace: 8

Condition : FCC PART15 CLASSB QP LISN-2012 NEUTRAL
Job No. : 1027RF
Test mode : WiFi mode
Test Engineer: Yang

	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.186	47.99	-0.09	0.10	48.00	64.20	-16.20	QP
2	0.186	30.37	-0.09	0.10	30.38	54.20	-23.82	Average
3	0.369	36.46	-0.08	0.10	36.48	58.52	-22.04	QP
4	0.369	26.05	-0.08	0.10	26.07	48.52	-22.45	Average
5	0.675	38.45	-0.08	0.10	38.47	56.00	-17.53	QP
6	0.675	34.58	-0.08	0.10	34.60	46.00	-11.40	Average
7	1.123	32.84	-0.09	0.10	32.85	56.00	-23.15	QP
8	1.123	27.97	-0.09	0.10	27.98	46.00	-18.02	Average
9	1.878	33.85	-0.11	0.10	33.84	56.00	-22.16	QP
10	1.878	26.69	-0.11	0.10	26.68	46.00	-19.32	Average
11	3.759	32.06	-0.14	0.10	32.02	56.00	-23.98	QP
12	3.759	23.84	-0.14	0.10	23.80	46.00	-22.20	Average

5.3 Emission Bandwidth and 99% Occupied Bandwidth

Test Requirement:	FCC Part15 E Section 15.407
Test Method:	KDB 789033 D01 General UNII Test Procedures v01r03
Limit:	N/A
Test setup:	
Test procedure:	According to KDB 789033 D01 General UNII Test Procedures v01r03 section C and D.
Test Instruments:	Refer to section 4.7 for details
Test mode:	Refer to section 4.3 for details
Test results:	Pass

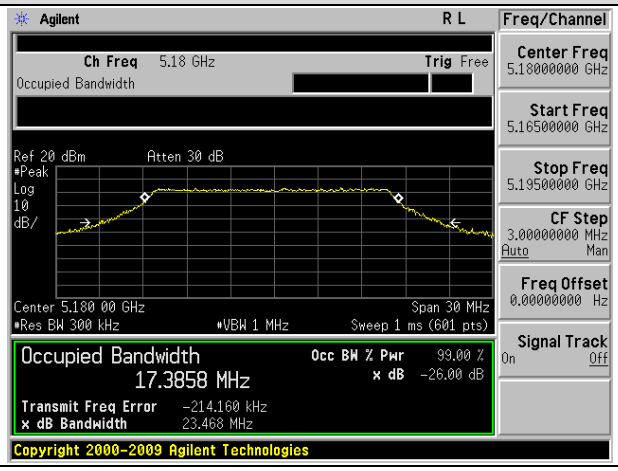
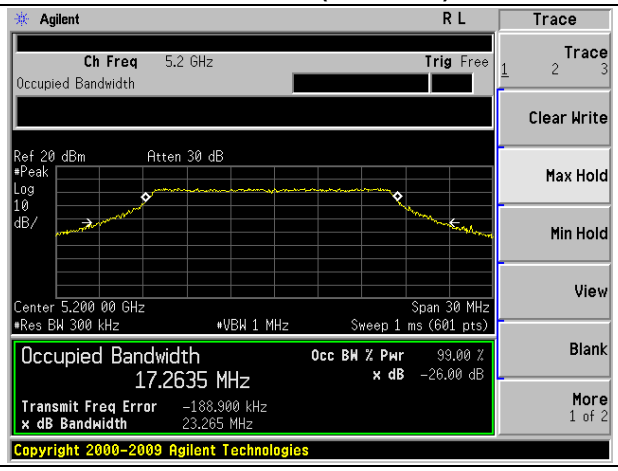
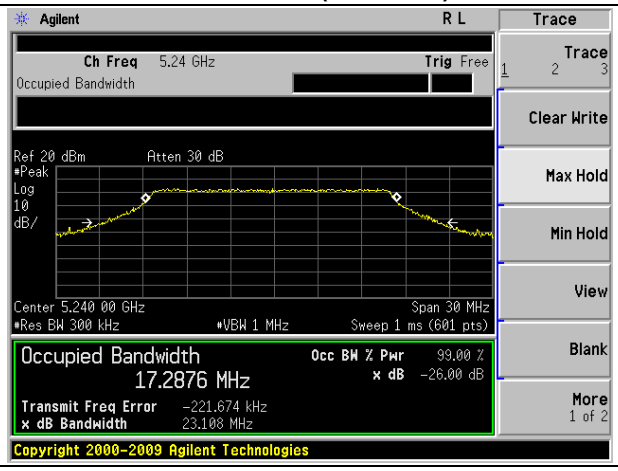
Measurement Data:

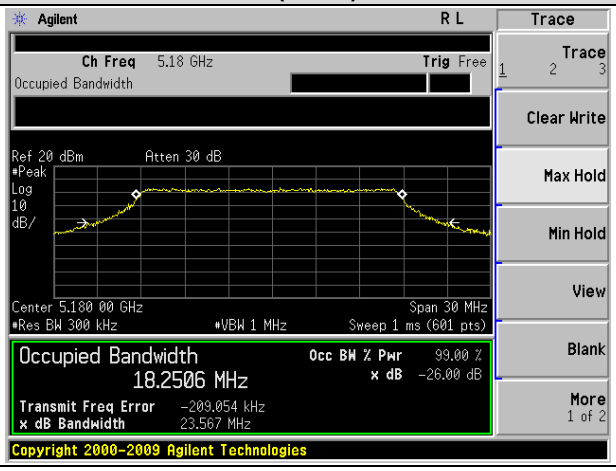
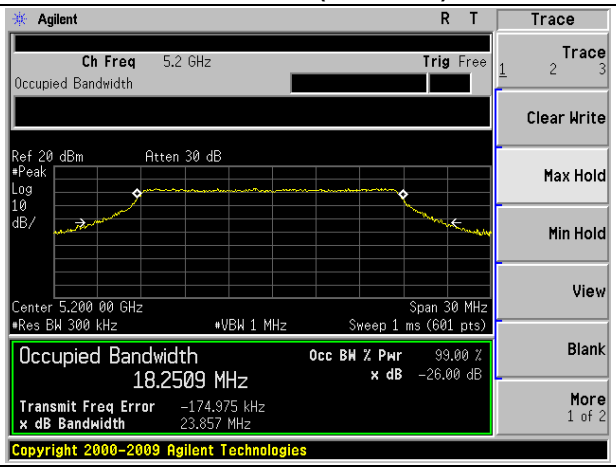
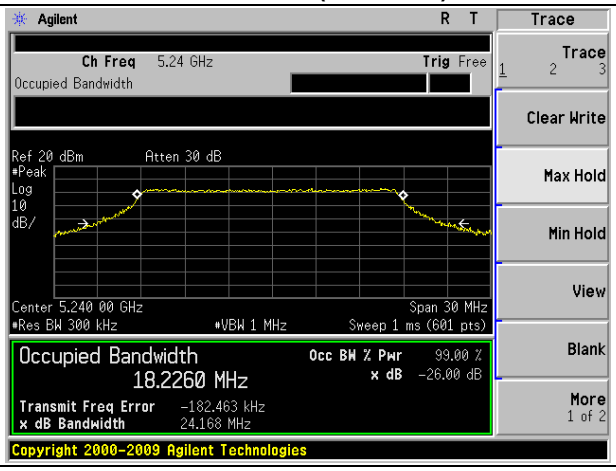
802.11a mode			
Channel No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
36	5180.00	23.4680	17.3858
40	5200.00	23.2650	17.2635
48	5240.00	23.1080	17.2876

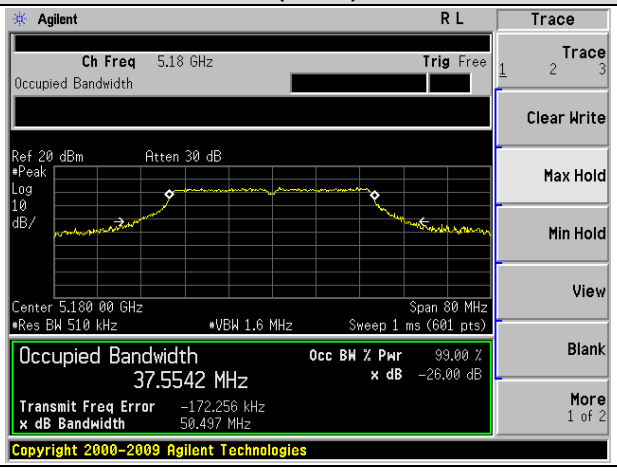
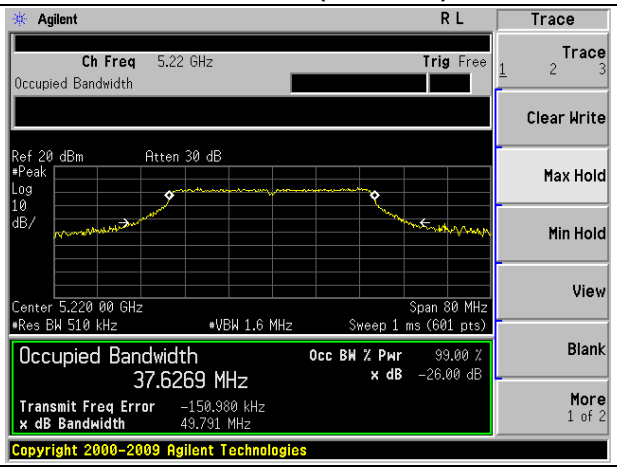
802.11n(HT20) mode			
Channel No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
36	5180.00	23.5670	18.2506
40	5200.00	23.8570	18.2509
48	5240.00	24.1680	18.2260

802.11n(HT40) mode			
Channel No.	Frequency (MHz)	26dB Occupied Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
36	5180.00	50.4970	37.5542
44	5220.00	49.7910	37.6269

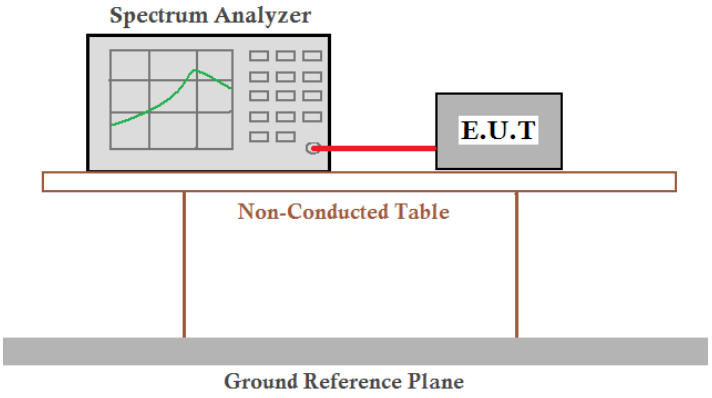
Test plots as followed:

802.11a mode

Channel 36 (5180MHz)

Channel 40 (5200MHz)

Channel 48 (5240MHz)

802.11n(HT20) mode

Channel 36 (5180MHz)

Channel 40 (5200MHz)

Channel 48 (5240MHz)

802.11n(HT40) mode

Channel 36 (5180MHz)

Channel 44 (5220MHz)

5.4 Peak Transmit Power

Test Requirement:	FCC Part15 E Section 15.407
Test Method:	ANSI C63.4: 2003 and KDB 789033 D01 General UNII Test Procedures v01r03
Limit:	For the band 5.15-5.25 GHz, the peak transmit power over the frequency band of operation shall not exceed the lesser of 50 mW or 4 dBm + 10log B, where B is the -26dB emission bandwidth in MHz.
Test setup:	
Test procedure:	**Measurement using an RF average power meter** (i) Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the conditions listed below are satisfied a) The EUT is configured to transmit continuously or to transmit with a constant duty cycle. b) At all times when the EUT is transmitting, it must be transmitting at its maximum power control level. c) The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five. (ii) If the transmitter does not transmit continuously, measure the duty cycle, x, of the transmitter output signal as described in section B). (iii) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter. (iv) Adjust the measurement in dBm by adding 10 log(1/x) where x is the duty cycle (e.g., 10log(1/0.25) if the duty cycle is 25 percent).
Test Instruments:	Refer to section 4.7 for details
Test mode:	Refer to section 4.3 for details
Test results:	Pass

Measurement Data

802.11a mode						
CH No.	Frequency (MHz)	Measured Power (dBm)	Duty Factor	Output Power (dBm)	Limit (dBm)	Result
36	5180.00	13.62	0.04	13.66	16.00	Pass
40	5200.00	13.39	0.04	13.43	16.00	Pass
48	5240.00	13.31	0.04	13.35	16.00	Pass

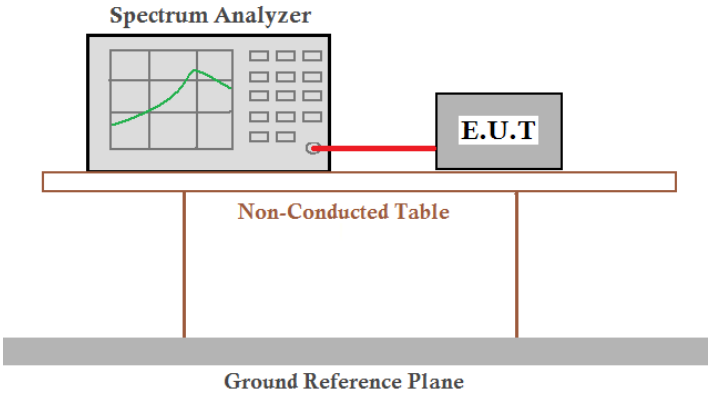
802.11n(HT20) mode						
CH No.	Frequency (MHz)	Measured Power (dBm)	Duty Factor	Output Power (dBm)	Limit (dBm)	Result
36	5180.00	13.58	0.04	13.62	16.00	Pass
40	5200.00	13.34	0.04	13.38	16.00	Pass
48	5240.00	13.23	0.04	13.27	16.00	Pass

802.11n(HT40) mode						
CH No.	Frequency (MHz)	Measured Power (dBm)	Duty Factor	Output Power (dBm)	Limit (dBm)	Result
36	5180.00	13.70	0.04	13.74	16.00	Pass
44	5220.00	13.53	0.04	13.57	16.00	Pass

Note: Output Power = Measured Power + Duty Factor

Duty Factor = 10 log (1/Duty Cycle)

5.5 Peak Power Spectral Density

Test Requirement:	FCC Part15 E Section 15.407
Test Method:	ANSI C63.4: 2003 and KDB 789033 D01 General UNII Test Procedures v01r03
Limit:	4dBm
Test setup:	
Test procedure:	1) Create an average power spectrum for the EUT operating mode being tested by following the instructions in section E)2) for measuring maximum conducted output power using a spectrum analyzer or EMI receiver: select the appropriate test method (SA-1, SA-2, SA-3, or alternatives to each) and apply it up to, but not including, the step labeled, “Compute power…”. 2) Use the peak search function on the instrument to find the peak of the spectrum. 3) Make the following adjustments to the peak value of the spectrum, if applicable: a) If Method SA-2 or SA-2 Alternative was used, add 10 log(1/x), where x is the duty cycle, to the peak of the spectrum. b) If Method SA-3 Alternative was used and the linear mode was used in step E)2)g)(viii), add 1 dB to the final result to compensate for the difference between linear averaging and power averaging. 4) The result is the PPSD.
Test Instruments:	Refer to section 4.7 for details
Test mode:	Refer to section 4.3 for details
Test results:	Pass

Measurement Data

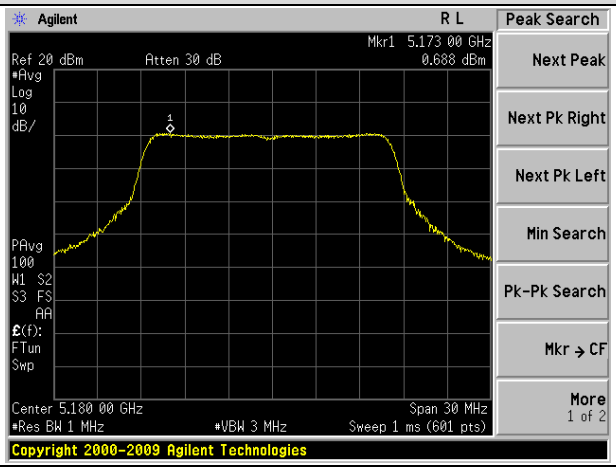
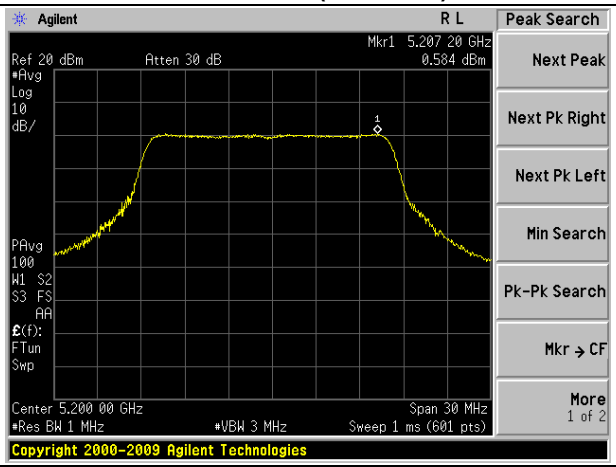
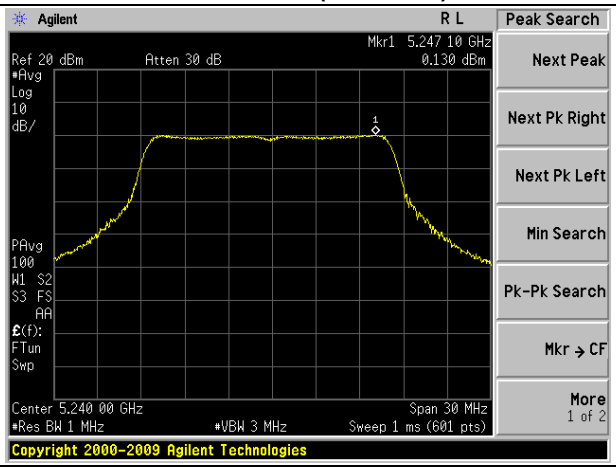
802.11a mode					
Channel No.	Frequency (MHz)	Measured PPSD (dBm/MHz)	Total PPSD (dBm/MHz)	Limit (dBm/MHz)	Result
36	5180.00	0.688	0.728	3.00	Pass
40	5200.00	0.584	0.624	3.00	Pass
48	5240.00	0.130	0.170	3.00	Pass

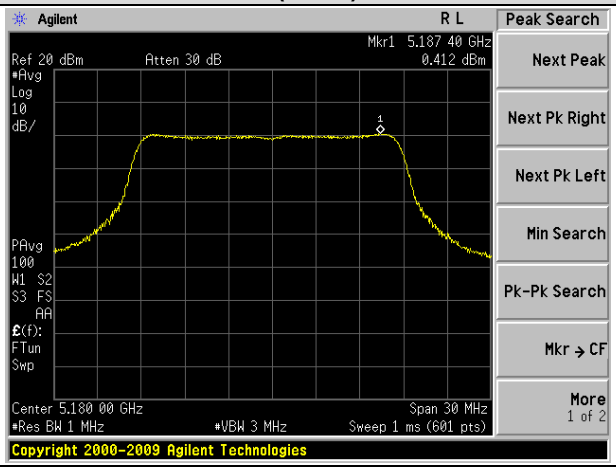
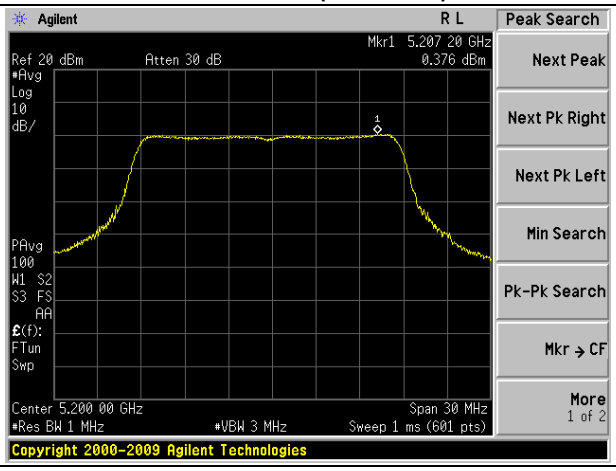
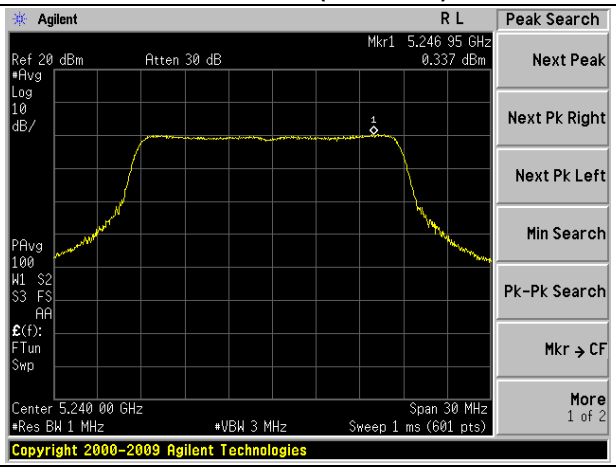
802.11n(HT20) mode					
Channel No.	Frequency (MHz)	Measured PPSD (dBm/MHz)	Total PPSD (dBm/MHz)	Limit (dBm/MHz)	Result
36	5180.00	0.412	0.452	3.00	Pass
40	5200.00	0.376	0.416	3.00	Pass
48	5240.00	0.337	0.377	3.00	Pass

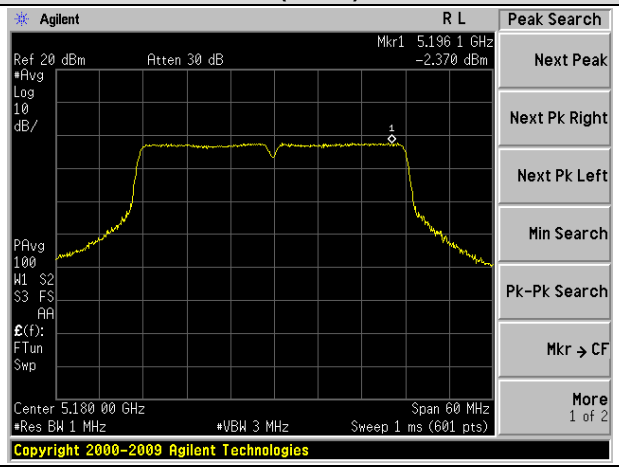
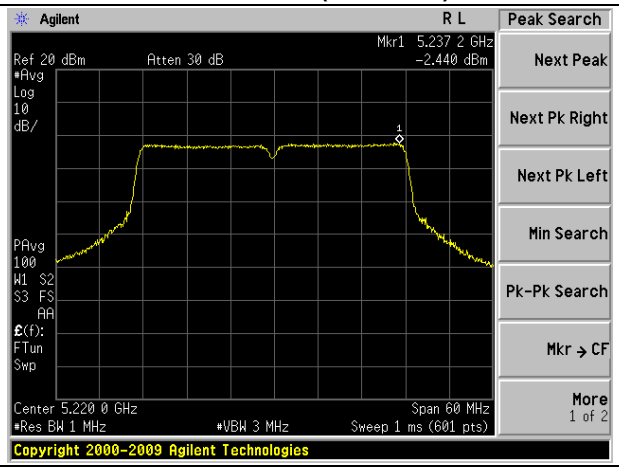
802.11n(HT40) mode					
Channel No.	Frequency (MHz)	Measured PPSD (dBm/MHz)	Total PPSD (dBm/MHz)	Limit (dBm/MHz)	Result
36	5180.00	-2.370	-2.330	3.00	Pass
44	5220.00	-2.440	-2.400	3.00	Pass

Note: Total PPSD = Measured PPSD + 10 log (1/Duty Cycle)

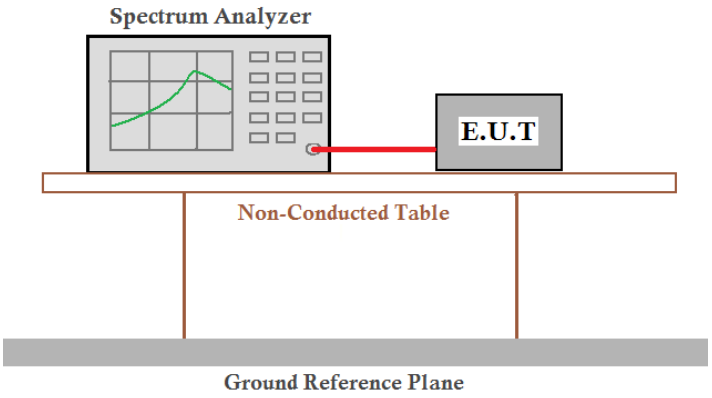
Test plots as followed:

802.11a mode

Channel 36 (5180MHz)

Channel 40 (5200MHz)

Channel 48 (5240MHz)

802.11n(HT20) mode

Channel 36 (5180MHz)

Channel 40 (5200MHz)

Channel 48 (5240MHz)

802.11n(HT40) mode

Channel 36 (5180MHz)

Channel 44 (5220MHz)

5.6 Peak Excursion

Test Requirement:	FCC Part15 E Section 15.407
Test Method:	ANSI C63.4: 2003 and KDB 789033 D01 General UNII Test Procedures v01r03
Limit:	The ratio of the peak excursion of the modulation envelope (measured suing a peak hold function) to the peak transmit power (measured as specified above) shall not exceed 13 dB across any 1 MHz bandwidth or the emission bandwidth whichever is less.
Test setup:	
Test procedure:	1) Set the spectrum analyzer or EMI receiver span to view the entire emission bandwidth. 2) Find the maximum of the peak-max-hold spectrum. a) Set RBW = 1 MHz. b) VBW ≥ 3 MHz. c) Detector = peak. d) Trace mode = max-hold. e) Allow the sweeps to continue until the trace stabilizes. f) Use the peak search function to find the peak of the spectrum. 3) Use the procedure found under F) to measure the PPSD. 4) Compute the ratio of the maximum of the peak-max-hold spectrum to the PPSD.
Test Instruments:	Refer to section 4.7 for details
Test mode:	Refer to section 4.3 for details
Test results:	Pass

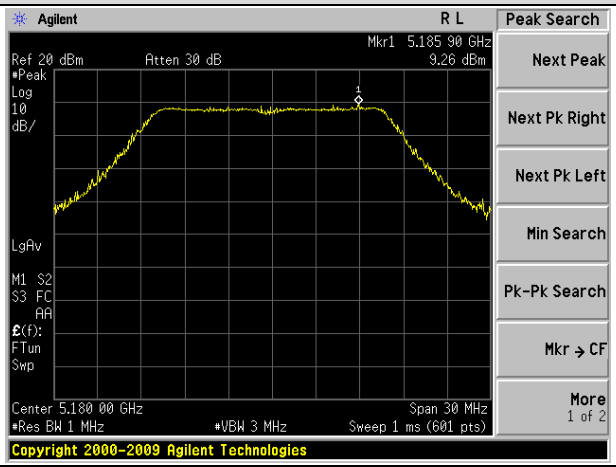
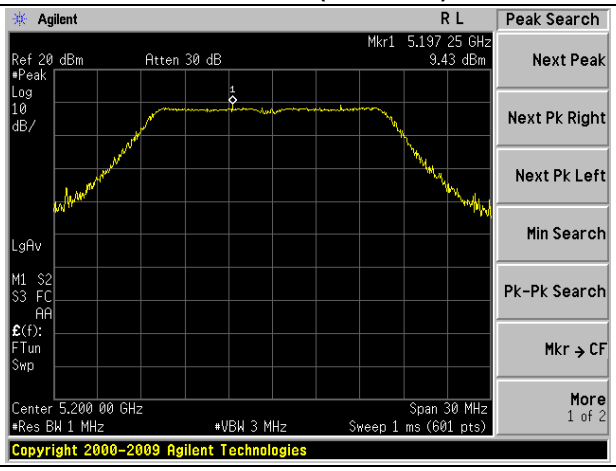
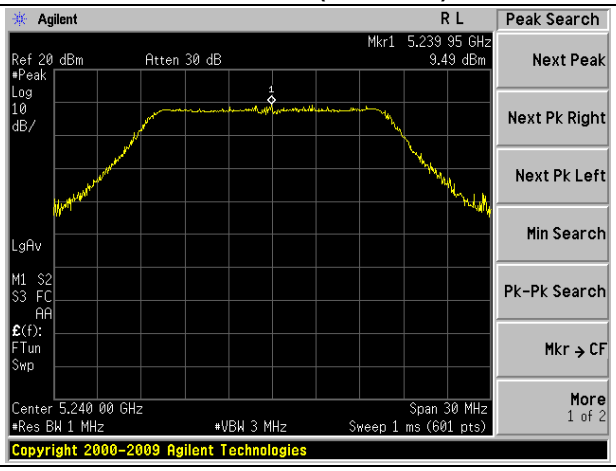
Measurement Data

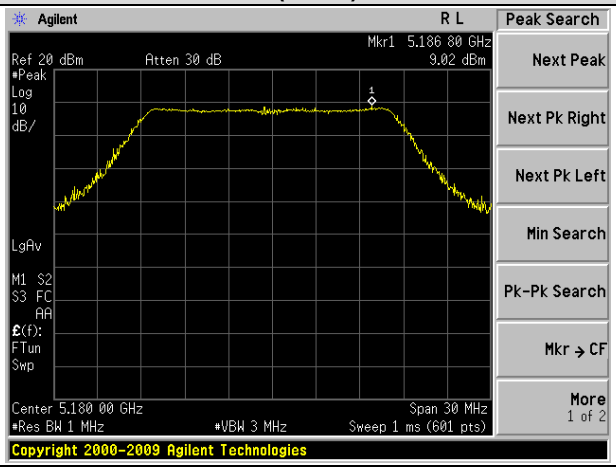
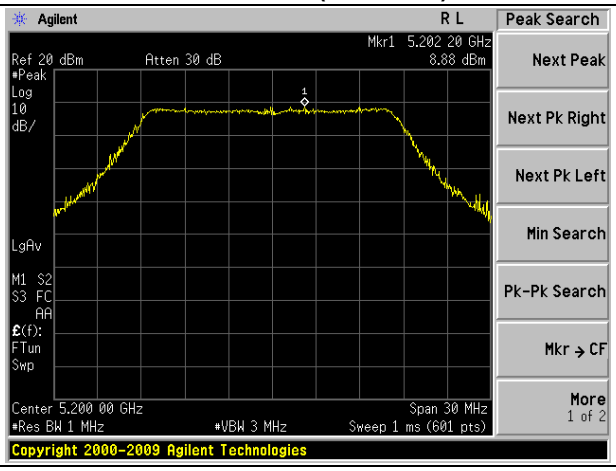
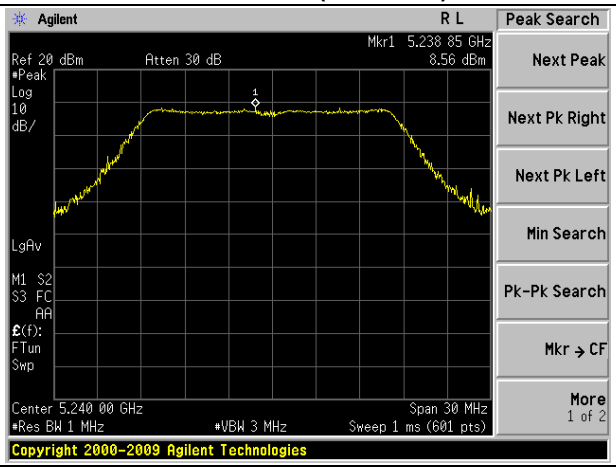
802.11a mode							
Channel No.	Frequency (MHz)	Peak Level(dB)	PSD (dBm)	DCCF (dB)	Peak Excursion (dB)	Limit (dB)	Result
36	5180.00	9.26	0.688	0.04	8.53	13.00	Pass
40	5200.00	9.43	0.584	0.04	8.81	13.00	Pass
48	5240.00	9.49	0.13	0.04	9.32	13.00	Pass

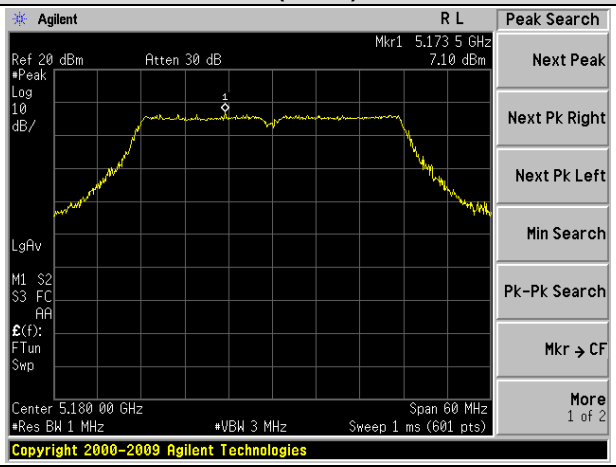
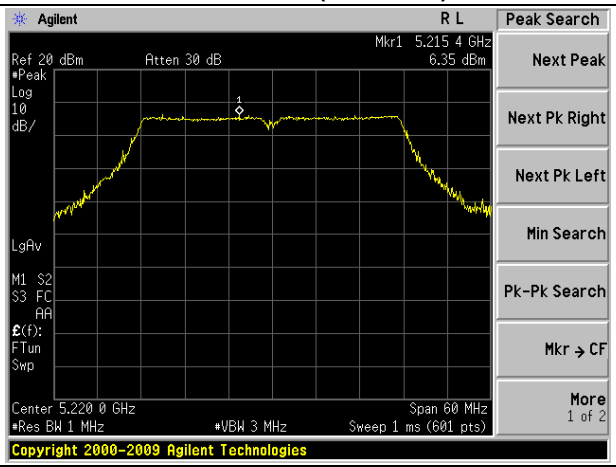
802.11n(HT20) mode							
Channel No.	Frequency (MHz)	Peak Level(dB)	PSD (dBm)	DCCF (dB)	Peak Excursion (dB)	Limit (dB)	Result
36	5180.00	9.02	0.41	0.04	8.57	13.00	Pass
40	5200.00	8.88	0.38	0.04	8.46	13.00	Pass
48	5240.00	8.56	0.34	0.04	8.18	13.00	Pass

802.11n(HT40) mode							
Channel No.	Frequency (MHz)	Peak Level(dB)	PSD (dBm)	DCCF (dB)	Peak Excursion (dB)	Limit (dB)	Result
36	5180.00	7.10	-2.37	0.04	9.43	13.00	Pass
44	5220.00	6.35	-2.44	0.04	8.75	13.00	Pass

Test plots as followed:

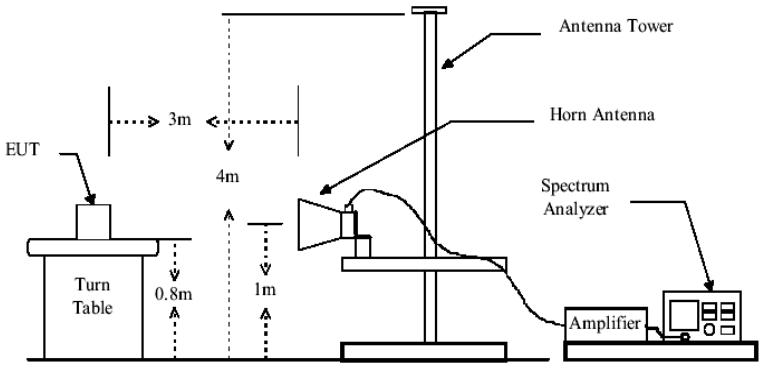
802.11a mode

Channel 36 (5180MHz)

Channel 40 (5200MHz)

Channel 48 (5240MHz)

802.11n(HT20) mode

Channel 36 (5180MHz)

Channel 40 (5200MHz)

Channel 48 (5240MHz)

802.11n(HT40) mode

Channel 36 (5180MHz)

Channel 44 (5220MHz)

5.7 Band Edge

<table>
<tr><td>Test Requirement:</td><td>FCC Part15 E Section 15.407 and 5.205</td></tr>
<tr><td>Test Method:</td><td>ANSI C63.4: 2003</td></tr>
<tr><td>Test site:</td><td>Measurement Distance: 3m (Semi-Anechoic Chamber)</td></tr>
<tr><td>Receiver setup:</td><td>
<table>
<tr><td>Frequency</td><td>Detector</td><td>RBW</td><td>VBW</td><td>Remark</td></tr>
<tr><td>30MHz-1GHz</td><td>Quasi-peak</td><td>100KHz</td><td>300KHz</td><td>Quasi-peak Value</td></tr>
<tr><td rowspan="2">Above 1GHz</td><td>Peak</td><td>1MHz</td><td>3MHz</td><td>Peak Value</td></tr>
<tr><td>AV</td><td>1MHz</td><td>3MHz</td><td>Average Value</td></tr>
</table>
</td></tr>
<tr><td>Limit:</td><td>
<table>
<tr><td>Frequency</td><td>Limit (dBuV/m @3m)</td><td>Remark</td></tr>
<tr><td>30MHz-88MHz</td><td>40.0</td><td>Quasi-peak Value</td></tr>
<tr><td>88MHz-216MHz</td><td>43.5</td><td>Quasi-peak Value</td></tr>
<tr><td>216MHz-960MHz</td><td>46.0</td><td>Quasi-peak Value</td></tr>
<tr><td>960MHz-1GHz</td><td>54.0</td><td>Quasi-peak Value</td></tr>
<tr><td rowspan="2">Above 1GHz</td><td>54.0</td><td>Average Value</td></tr>
<tr><td>74.0</td><td>Peak Value</td></tr>
</table>
Undesirable emission limits:
(1) For transmitters operating in the 5.15-5.25 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz.
(2) For transmitters operating in the 5.25-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5.25-5.35 GHz band that generate emissions in the 5.15-5.25 GHz band must meet all applicable technical requirements for operation in the 5.15-5.25 GHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5.15-5.25 GHz band.
(3) For transmitters operating in the 5.47-5.725 GHz band: all emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of −27 dBm/MHz.
</td></tr>
<tr><td>Test Procedure:</td><td>
a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.
b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
c. 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.
d. 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 rotable table was turned from 0 degrees to 360 degrees to find the maximum reading.
e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
f. 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
</td></tr>
</table>

	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 setup:	Above 1GHz 
Test Instruments:	Refer to section 4.7 for details
Test mode:	Refer to section 4.3 for details
Test results:	Pass

Remark:

According to KDB 789033 v01r03 section H) d) (ii), for For measurements above 1000 MHz @ 3m distance, the limit of field strength is computed as follows:

E[dBuV/m] = EIRP[dBm] + 95.2;

For example, if EIRP = -27dBm

E[dBuV/m] = -27 + 95.2 = 68.2dBuV/m.

Measurement Data:

Mode:	802.11a		Frequency`:	5180MHz			
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Margin (dB)	Detector
H	5150.00	40.15	17.18	57.33	68.20	-10.87	PK
H	5179.52	78.70	17.16	95.86	N/A	N/A	PK
V	5150.00	41.33	17.18	58.51	68.20	-9.69	PK
V	5179.44	80.70	17.16	97.86	N/A	N/A	PK

Mode:	802.11a		Frequency`:	5180MHz			
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Margin (dB)	Detector
H	5150.00	29.70	17.18	46.88	54.00	-7.12	AV
H	5179.52	66.47	17.16	83.63	N/A	N/A	AV
V	5150.00	30.48	17.18	47.66	54.00	-6.34	AV
V	5179.44	69.26	17.16	86.42	N/A	N/A	AV

Mode:	802.11a		Frequency`:	5240MHz			
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Margin (dB)	Detector
H	5243.68	78.37	17.11	95.48	N/A	N/A	PK
H	5350.00	40.58	17.20	57.78	68.20	-10.42	PK
V	5244.57	80.26	17.11	97.37	N/A	N/A	PK
V	5350.00	40.65	17.20	57.85	68.20	-10.35	PK

Mode:	802.11a		Frequency`:	5240MHz			
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Margin (dB)	Detector
H	5243.68	66.69	17.11	83.80	N/A	N/A	AV
H	5350.00	26.74	17.20	43.94	54.00	-10.06	AV
V	5244.57	67.83	17.11	84.94	N/A	N/A	AV
V	5350.00	27.46	17.20	44.66	54.00	-9.34	AV

Mode:	802.11n(HT20)		Frequency`:		5180MHz		
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Margin (dB)	Detector
H	5150.00	40.67	17.18	57.85	68.20	-10.35	PK
H	5186.72	78.24	17.19	95.43	N/A	N/A	PK
V	5150.00	40.61	17.18	57.79	68.20	-10.41	PK
V	5177.84	79.93	17.16	97.09	N/A	N/A	PK

Mode:	802.11n(HT20)		Frequency`:		5180MHz		
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Margin (dB)	Detector
H	5150.00	30.86	17.18	48.04	54.00	-5.96	AV
H	5186.72	66.76	17.19	83.95	N/A	N/A	AV
V	5150.00	30.43	17.18	47.61	54.00	-6.39	AV
V	5177.84	69.19	17.16	86.35	N/A	N/A	AV

Mode:	802.11n(HT20)		Frequency`:		5240MHz		
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Margin (dB)	Detector
H	5244.38	77.76	17.11	94.87	N/A	N/A	PK
H	5350.00	40.11	17.20	57.31	68.20	-10.89	PK
V	5245.52	79.54	17.11	96.65	N/A	N/A	PK
V	5350.00	40.01	17.20	57.21	68.20	-10.99	PK

Mode:	802.11n(HT20)		Frequency`:		5240MHz		
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Margin (dB)	Detector
H	5244.38	66.80	17.11	83.91	N/A	N/A	AV
H	5350.00	27.12	17.20	44.32	54.00	-9.68	AV
V	5245.52	67.87	17.11	84.98	N/A	N/A	AV
V	5350.00	27.63	17.20	44.83	54.00	-9.17	AV

Mode:	802.11n(HT40)		Frequency`:	5180MHz			
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Margin (dB)	Detector
H	5150.00	44.36	17.18	61.54	68.20	-6.66	PK
H	5186.56	76.87	17.19	94.06	N/A	N/A	PK
V	5150.00	46.91	17.18	64.09	68.20	-4.11	PK
V	5195.92	77.94	17.16	95.10	N/A	N/A	PK

Mode:	802.11n(HT40)		Frequency`:	5180MHz			
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Margin (dB)	Detector
H	5150.00	33.19	17.18	50.37	54.00	-3.63	AV
H	5186.56	63.81	17.19	81.00	N/A	N/A	AV
V	5150.00	34.48	17.18	51.66	54.00	-2.34	AV
V	5195.92	65.72	17.16	82.88	N/A	N/A	AV

Mode:	802.11n(HT40)		Frequency`:	5220MHz			
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Margin (dB)	Detector
H	5205.74	74.92	17.18	92.10	N/A	N/A	PK
H	5350.00	40.22	17.20	57.42	68.20	-10.78	PK
V	5233.10	77.72	17.15	94.87	N/A	N/A	PK
V	5350.00	41.36	17.20	58.56	68.20	-9.64	PK

Mode:	802.11n(HT40)		Frequency`:	5220MHz			
Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Margin (dB)	Detector
H	5205.74	62.45	17.11	79.56	N/A	N/A	AV
H	5350.00	25.44	17.20	42.64	54.00	-11.36	AV
V	5233.10	64.44	17.11	81.55	N/A	N/A	AV
V	5350.00	27.27	17.20	44.47	54.00	-9.53	AV

5.8 Radiated Emission

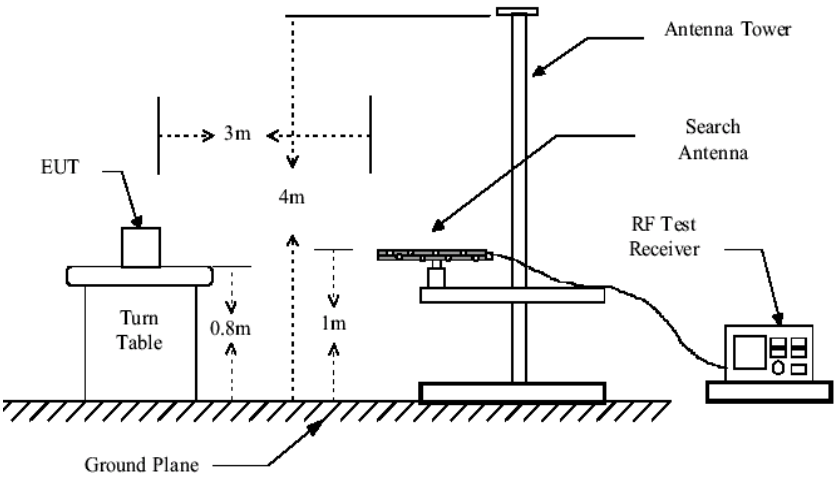
<table>
<tr><td>Test Requirement:</td><td colspan="5">FCC Part15 C Section 15.209 and 15.205</td></tr>
<tr><td>Test Method:</td><td colspan="5">ANSI C63.4: 2003</td></tr>
<tr><td>Test Frequency Range:</td><td colspan="5">30MHz to 40GHz</td></tr>
<tr><td>Test site:</td><td colspan="5">Measurement Distance: 3m (Semi-Anechoic Chamber)</td></tr>
<tr><td>Receiver setup:</td><td colspan="5"><table>
<tr><td>Frequency</td><td>Detector</td><td>RBW</td><td>VBW</td><td>Remark</td></tr>
<tr><td>30MHz-1GHz</td><td>Quasi-peak</td><td>100KHz</td><td>300KHz</td><td>Quasi-peak Value</td></tr>
<tr><td rowspan="2">Above 1GHz</td><td>Peak</td><td>1MHz</td><td>3MHz</td><td>Peak Value</td></tr>
<tr><td>AV</td><td>1MHz</td><td>3MHz</td><td>Average Value</td></tr>
</table></td></tr>
<tr><td>Limit:</td><td colspan="5"><table>
<tr><td>Frequency</td><td>Limit (dBuV/m @3m)</td><td>Remark</td></tr>
<tr><td>30MHz-88MHz</td><td>40.0</td><td>Quasi-peak Value</td></tr>
<tr><td>88MHz-216MHz</td><td>43.5</td><td>Quasi-peak Value</td></tr>
<tr><td>216MHz-960MHz</td><td>46.0</td><td>Quasi-peak Value</td></tr>
<tr><td>960MHz-1GHz</td><td>54.0</td><td>Quasi-peak Value</td></tr>
<tr><td>Frequency</td><td>Limit (dBm/MHz)</td><td>Remark</td></tr>
<tr><td>Above 1GHz</td><td>-27.0</td><td>Peak Value</td></tr>
</table></td></tr>
<tr><td>Test Procedure:</td><td colspan="5">Substitution method was performed to determine the actual ERP emission levels of the EUT.
The following test procedure as below:

1>.Below 1GHz test procedure:
1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.
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 rotable 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.

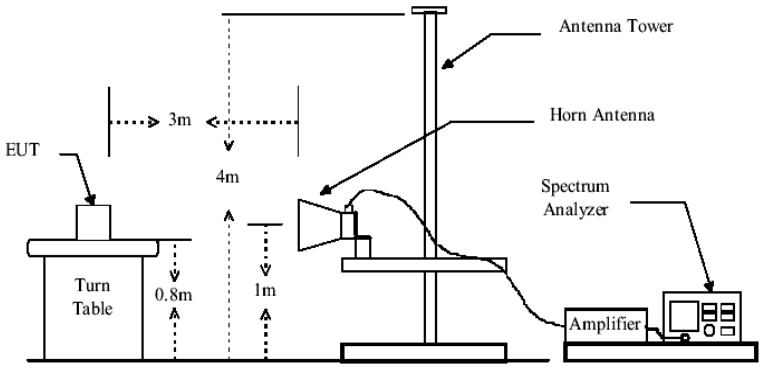
2>.Above 1GHz test procedure:
1. On the test site as test setup graph above,the EUT shall be placed at the 0.8m support on the turntable and in the position closest to normal use as declared by the provider.

2. The test antenna shall be oriented initially for vertical polarization and</td></tr>
</table>

	shall be chosen to correspond to the frequency of the transmitter.The output of the test antenna shall be connected to the measuring receiver. 3. The transmitter shall be switched on, if possible, without modulation and the measuring receiver shall be tuned to the frequency of the transmitter under test. 4. The test antenna shall be raised and lowered from 1m to 4m until a maximum signal level is detected by the measuring receiver. Then the turntable should be rotated through 360° in the horizontal plane, until the maximum signal level is detected by the measuring receiver. 5. Repeat step 4 for test frequency with the test antenna polarized horizontally. 6. Remove the transmitter and replace it with a substitution antenna 7. Feed the substitution antenna at the transmitter end with a signal generator connected to the antenna by means of a nonradiating cable. With the antennas at both ends vertically polarized, and with the signal generator tuned to a particular test frequency, raise and lower the test antenna to obtain a maximum reading at the spectrum analyzer. Adjust the level of the signal generator output until the previously recorded maximum reading for this set of conditions is obtained. This should be done carefully repeating the adjustment of the test antenna and generator output. 8. Repeat step 7 with both antennas horizontally polarized for each test frequency. 9. Calculate power in dBm into a reference ideal half-wave dipole antenna by reducing the readings obtained in steps 7 and 8 by the power loss in the cable between the generator and the antenna, and further corrected for the gain of the substitution antenna used relative to an ideal half-wave dipole antenna by the following formula: EIRP(dBm) = Pg(dBm) – cable loss (dB) + antenna gain (dBi) where: Pg is the generator output power into the substitution antenna.
Test setup:	Below 1GHz



Above 1GHz



Test Instruments:	Refer to section 4.7 for details
Test mode:	Refer to section 4.3 for details
Test results:	Pass

Measurement Data:

Below 1GHz

Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Margin (dB)	Detector
H	55.42	44.93	-16.15	28.78	40.00	-11.22	PK
H	152.13	46.20	-20.06	26.14	43.50	-17.36	PK
H	204.96	44.75	-17.53	27.22	43.50	-16.28	PK
H	324.46	46.15	-14.08	32.07	46.00	-13.93	PK
H	396.24	43.05	-12.10	30.95	46.00	-15.05	PK
H	638.37	37.64	-6.64	31.00	46.00	-15.00	PK
V	31.07	53.17	-17.18	35.99	40.00	-4.01	PK
V	38.62	48.99	-16.16	32.83	40.00	-7.17	PK
V	45.38	50.13	-15.74	34.39	40.00	-5.61	PK
V	54.26	49.52	-16.09	33.43	40.00	-6.57	PK
V	153.20	57.41	-20.01	37.40	43.50	-6.10	PK
V	400.43	40.18	-11.94	28.24	46.00	-17.76	PK

Above 1GHz:

802.11a mode								
CH. No.	Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Margin (dB)	Detector
36	H	10360.00	27.15	21.64	48.79	54(Note3)	-5.21	PK
	H	15540.00	27.42	21.80	49.22	54(Note3)	-4.78	PK
	V	10360.00	28.97	21.64	50.61	54(Note3)	-3.39	PK
	V	15540.00	29.16	21.80	50.96	54(Note3)	-3.04	PK
40	H	10400.00	27.42	21.67	49.09	54(Note3)	-4.91	PK
	H	15600.00	28.49	21.83	50.32	54(Note3)	-3.68	PK
	V	10400.00	29.16	21.67	50.83	54(Note3)	-3.17	PK
	V	15600.00	27.31	21.83	49.14	54(Note3)	-4.86	PK
48	H	10480.00	27.59	21.64	49.23	54(Note3)	-4.77	PK
	H	15720.00	25.69	22.16	47.85	54(Note3)	-6.15	PK
	V	10480.00	27.26	21.64	48.90	54(Note3)	-5.10	PK
	V	15720.00	26.12	22.16	48.28	54(Note3)	-5.72	PK

802.11n(HT20) mode								
CH. No.	Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Margin (dB)	Detector
36	H	10360.00	27.60	21.64	49.24	54(Note3)	-4.76	PK
	H	15540.00	27.98	21.80	49.78	54(Note3)	-4.22	PK
	V	10360.00	29.41	21.64	51.05	54(Note3)	-2.95	PK
	V	15540.00	29.55	21.80	51.35	54(Note3)	-2.65	PK
40	H	10400.00	27.81	21.67	49.48	54(Note3)	-4.52	PK
	H	15600.00	28.85	21.83	50.68	54(Note3)	-3.32	PK
	V	10400.00	29.65	21.67	51.32	54(Note3)	-2.68	PK
	V	15600.00	27.72	21.83	49.55	54(Note3)	-4.45	PK
48	H	10480.00	28.11	21.64	49.75	54(Note3)	-4.25	PK
	H	15720.00	26.34	22.16	48.50	54(Note3)	-5.50	PK
	V	10480.00	27.69	21.64	49.33	54(Note3)	-4.67	PK
	V	15720.00	26.67	22.16	48.83	54(Note3)	-5.17	PK

802.11n(HT40) mode								
CH. No.	Antenna Pol.	Frequency (MHz)	Reading Level	Factor	Measure Level	Limit (dBuV/m)	Margin (dB)	Detector
36	H	10360.00	29.46	21.64	51.10	54(Note3)	-2.90	PK
	H	15540.00	29.61	21.80	51.41	54(Note3)	-2.59	PK
	V	10360.00	27.98	21.64	49.62	54(Note3)	-4.38	PK
	V	15540.00	28.93	21.80	50.73	54(Note3)	-3.27	PK
44	H	10440.00	29.55	21.67	51.22	54(Note3)	-2.78	PK
	H	15650.00	27.74	21.97	49.71	54(Note3)	-4.29	PK
	V	10440.00	28.14	21.67	49.81	54(Note3)	-4.19	PK
	V	15650.00	26.05	21.97	48.02	54(Note3)	-5.98	PK

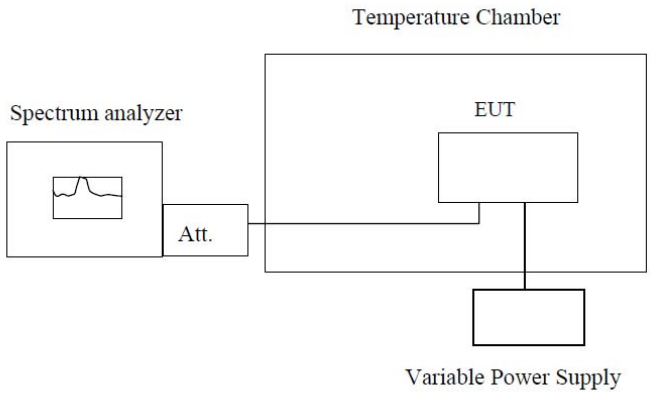
Note:

1. Measure Level = Reading Level + Factor.

2. The test trace is same as the ambient noise (the test frequency range: 18GHz~40GHz), therefore no data appear in the report.

3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.

5.9 Frequency stability

Test Requirement:	FCC Part15 C Section 15.407(g)
Test Method:	ANSI C63.4: 2003, FCC Part 2.1055
Limit:	Manufactures of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified
Test Procedure:	The EUT was setup to ANSI C63.4, 2003; tested to 2.1055 for compliance to FCC Part 15.407(g) requirements.
Test setup:	 **Note :** Measurement setup for testing on Antenna connector
Test Instruments:	Refer to section 4.7 for details
Test mode:	Refer to section 4.3 for details
Test results:	Pass

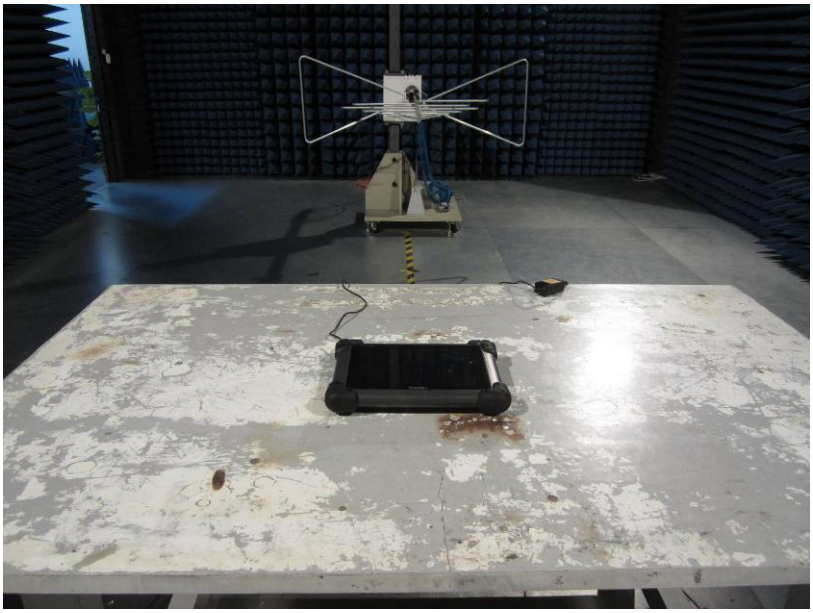
Measurement data:

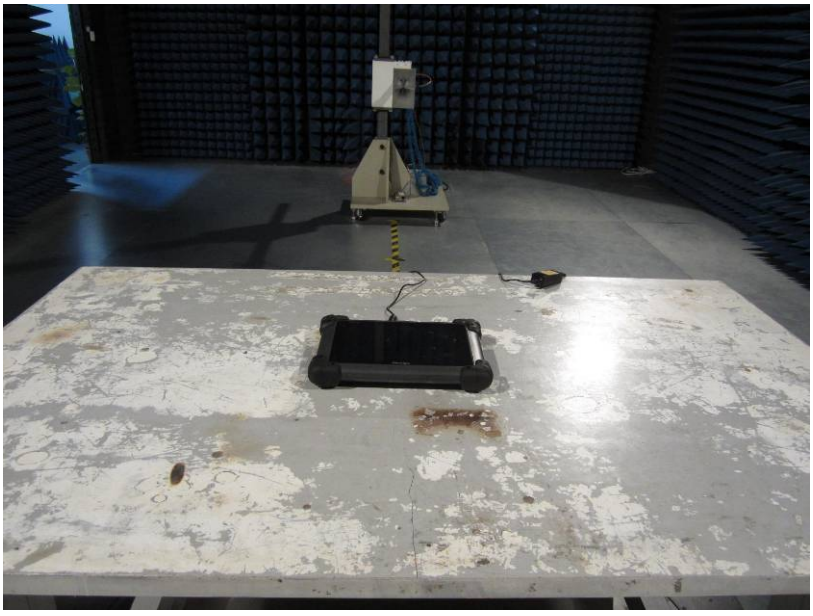
Frequency stability versus Temp.					
Power Supply: DC 3.7V					
Temp. (°C)	Operating Frequency (MHz)	0 minute	2 minute	5 minute	10 minute
		Measured Frequency (MHz)	Measured Frequency (MHz)	Measured Frequency (MHz)	Measured Frequency (MHz)
-30	5180	5179.9833	5179.9841	5179.9853	5179.9861
	5200	5199.9838	5199.9845	5199.9858	5199.9865
	5220	5219.9842	5219.9850	5219.9862	5219.9869
	5240	5239.9847	5239.9854	5239.9866	5239.9873
-20	5180	5179.9851	5179.9859	5179.9870	5179.9876
	5200	5199.9856	5199.9863	5199.9874	5199.9880
	5220	5219.9860	5219.9867	5219.9877	5219.9883
	5240	5239.9864	5239.9871	5239.9881	5239.9887
-10	5180	5179.9868	5179.9874	5179.9884	5179.9890
	5200	5199.9872	5199.9878	5199.9888	5199.9893
	5220	5219.9876	5219.9882	5219.9891	5219.9896
	5240	5239.9879	5239.9885	5239.9894	5239.9899
0	5180	5179.9838	5179.9845	5179.9858	5179.9865
	5200	5199.9842	5199.9850	5199.9862	5199.9869
	5220	5219.9847	5219.9854	5219.9866	5219.9873
	5240	5239.9851	5239.9858	5239.9870	5239.9876
10	5180	5179.9856	5179.9863	5179.9873	5179.9880
	5200	5199.9860	5199.9867	5199.9877	5199.9883
	5220	5219.9864	5219.9870	5219.9881	5219.9887
	5240	5239.9868	5239.9874	5239.9884	5239.9890
20	5180	5179.9872	5179.9878	5179.9888	5179.9893
	5200	5199.9876	5199.9881	5199.9891	5199.9896
	5220	5219.9879	5219.9885	5219.9894	5219.9899
	5240	5239.9883	5239.9888	5239.9897	5239.9902
30	5180	5179.9831	5179.9839	5179.9852	5179.9859
	5200	5199.9836	5199.9844	5199.9856	5199.9864
	5220	5219.9841	5219.9849	5219.9860	5219.9868
	5240	5239.9846	5239.9853	5239.9865	5239.9871
40	5180	5179.9850	5179.9857	5179.9868	5179.9875
	5200	5199.9854	5199.9861	5199.9872	5199.9879
	5220	5219.9859	5219.9865	5219.9876	5219.9882
	5240	5239.9863	5239.9869	5239.9880	5239.9886
50	5180	5179.9867	5179.9873	5179.9883	5179.9889
	5200	5199.9871	5199.9877	5199.9887	5199.9892
	5220	5219.9874	5219.9880	5219.9890	5219.9895
	5240	5239.9878	5239.9884	5239.9893	5239.9898

Frequency stability versus Voltage					
Temperature: 25°C					
Power Supply (VDC)	Operating Frequency (MHz)	0 minute	2 minute	5 minute	10 minute
		Measured Frequency (MHz)	Measured Frequency (MHz)	Measured Frequency (MHz)	Measured Frequency (MHz)
3.3	5180	5179.9843	5179.9851	5179.9863	5179.9869
	5200	5199.9846	5199.9854	5199.9865	5199.9872
	5220	5219.9849	5219.9857	5219.9868	5219.9875
	5240	5239.9852	5239.9859	5239.9870	5239.9877
3.7	5180	5179.9855	5179.9862	5179.9873	5179.9879
	5200	5199.9858	5199.9865	5199.9875	5199.9882
	5220	5219.9861	5219.9867	5219.9878	5219.9884
	5240	5239.9864	5239.9870	5239.9880	5239.9886
4.1	5180	5179.9866	5179.9873	5179.9883	5179.9889
	5200	5199.9869	5199.9875	5199.9885	5199.9891
	5220	5219.9871	5219.9878	5219.9887	5219.9893
	5240	5239.9874	5239.9880	5239.9889	5239.9895

6 Test Setup Photo

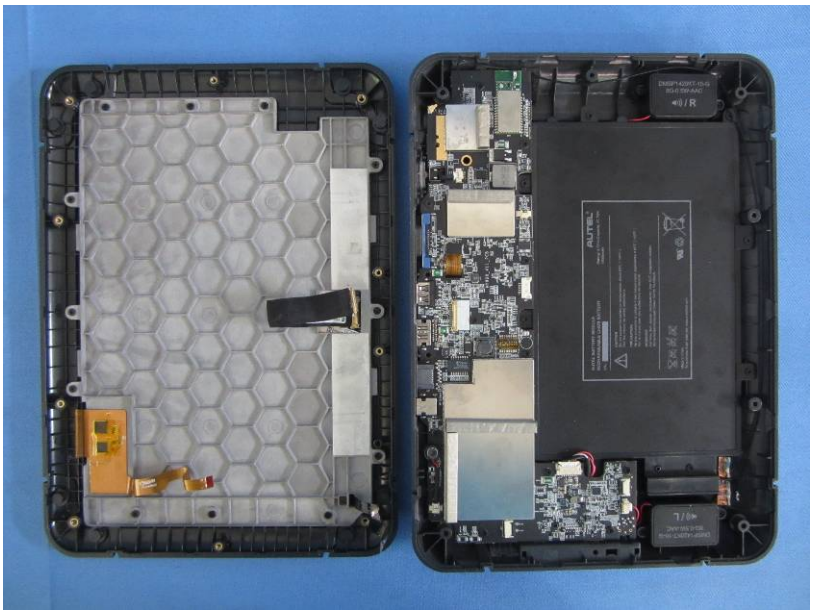
Radiated Emission



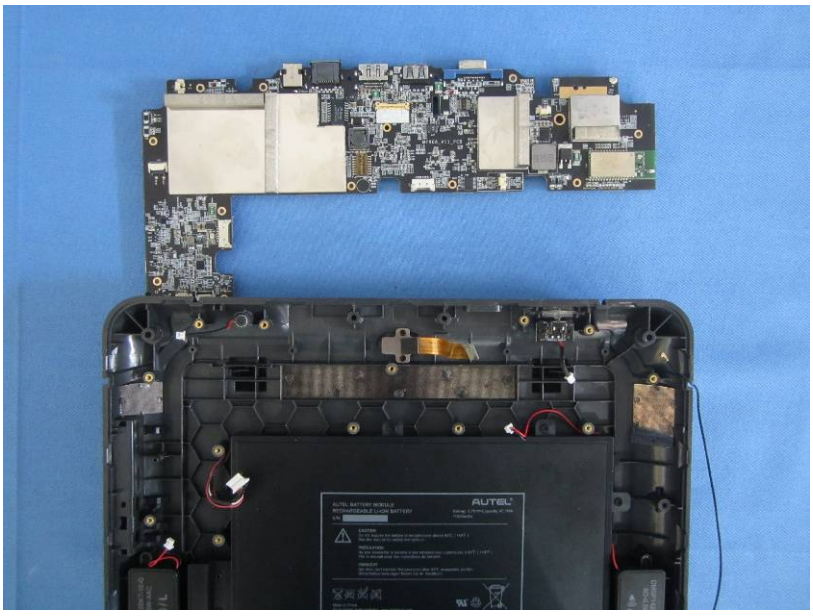


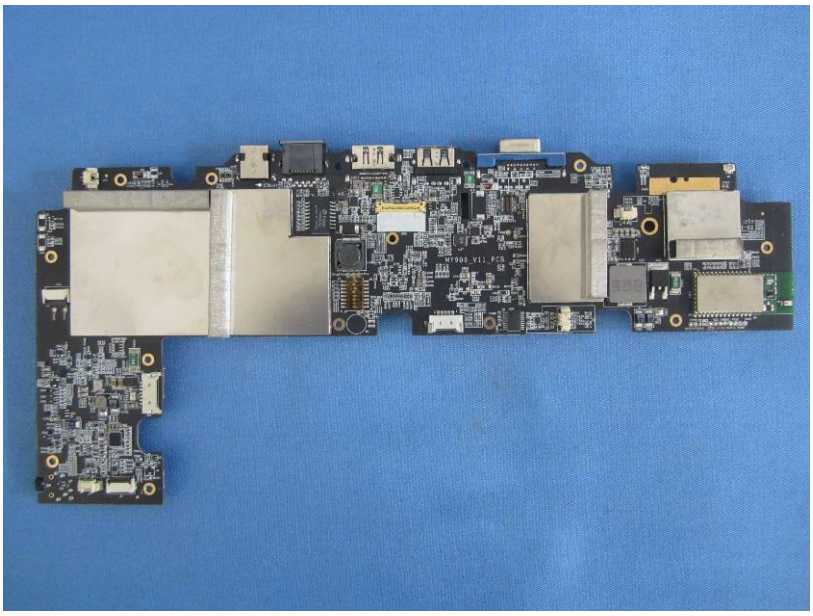
Conducted Emission

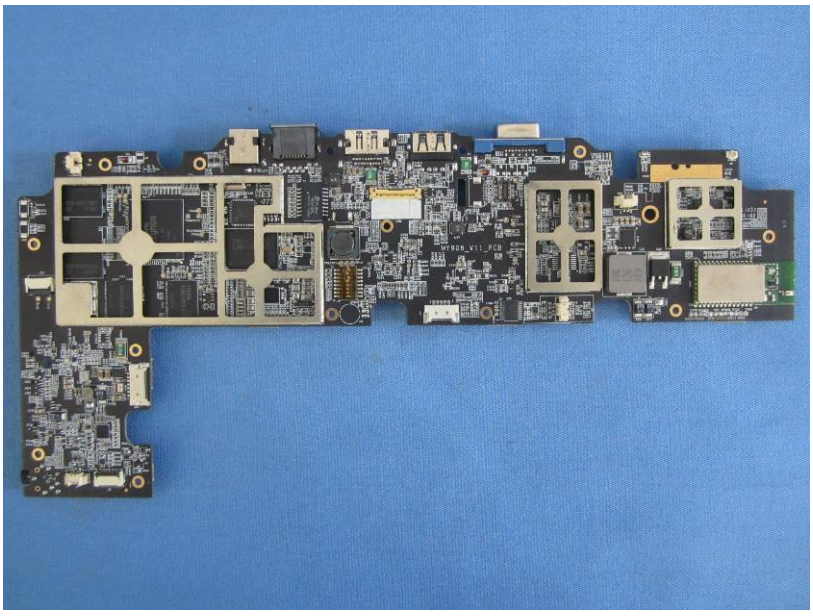
7 EUT Constructional Details

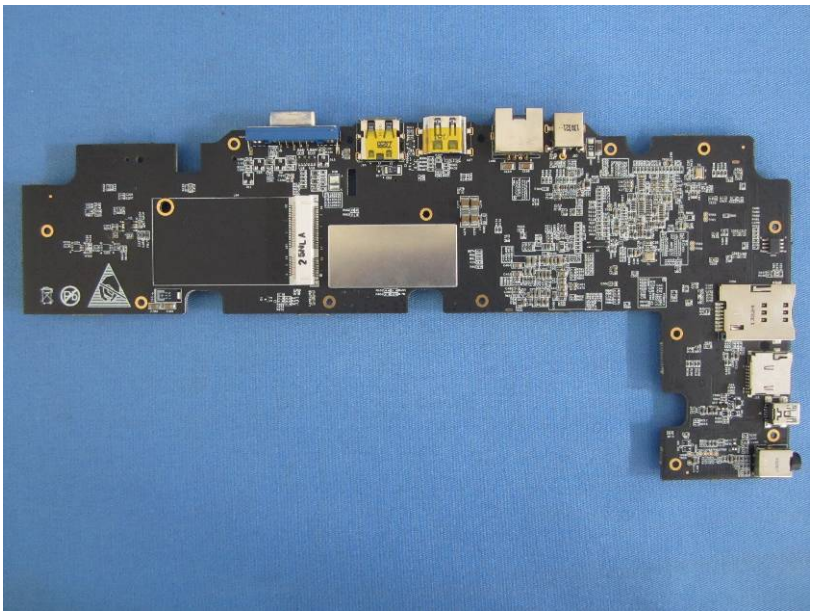


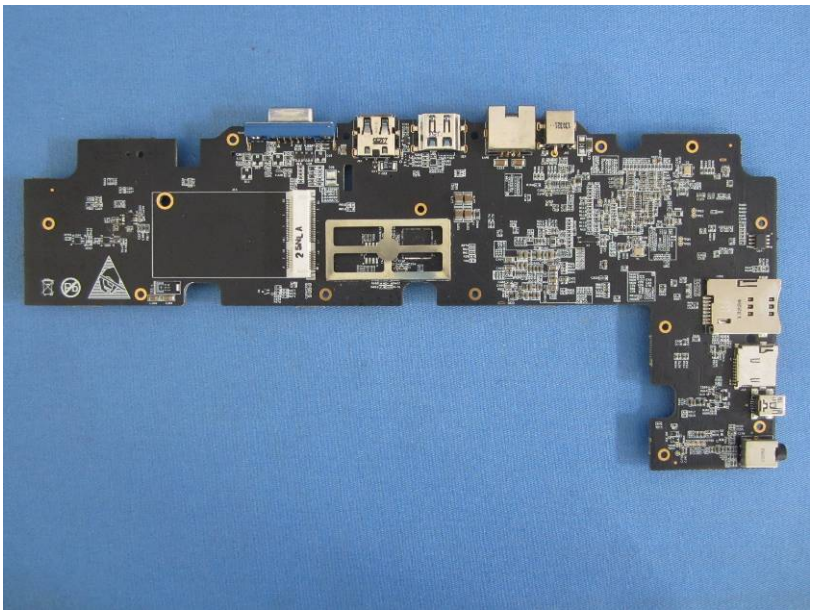

AUTEL
AUTEL BATTERY MODULE
RECHARGEABLE LI-ION BATTERY

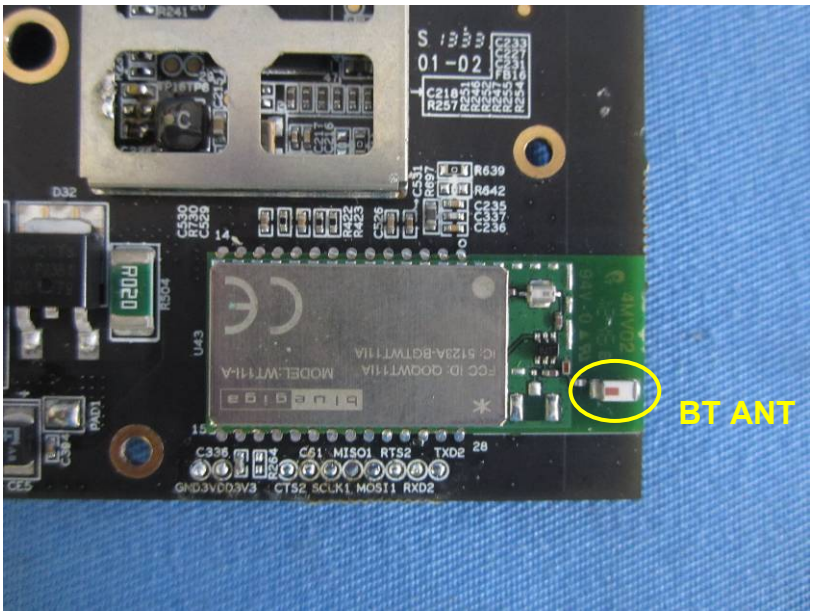

AUTEL

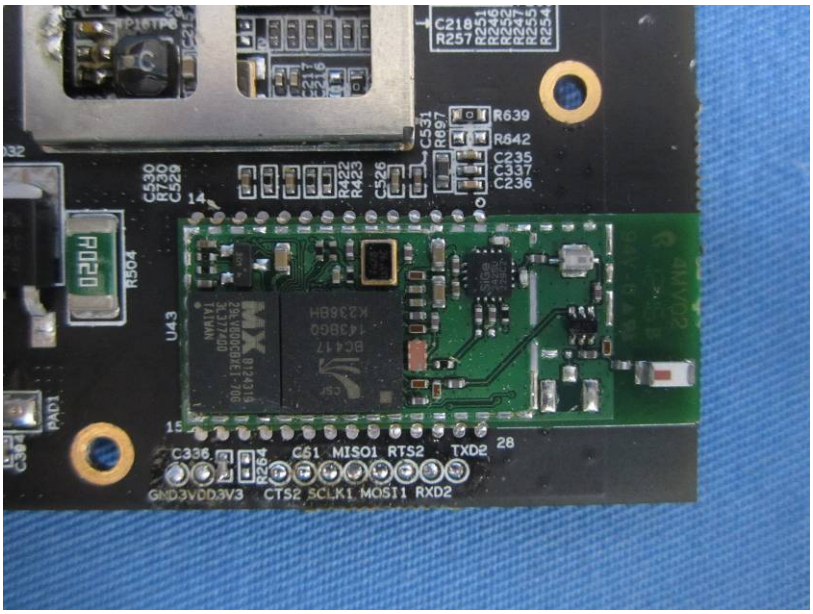


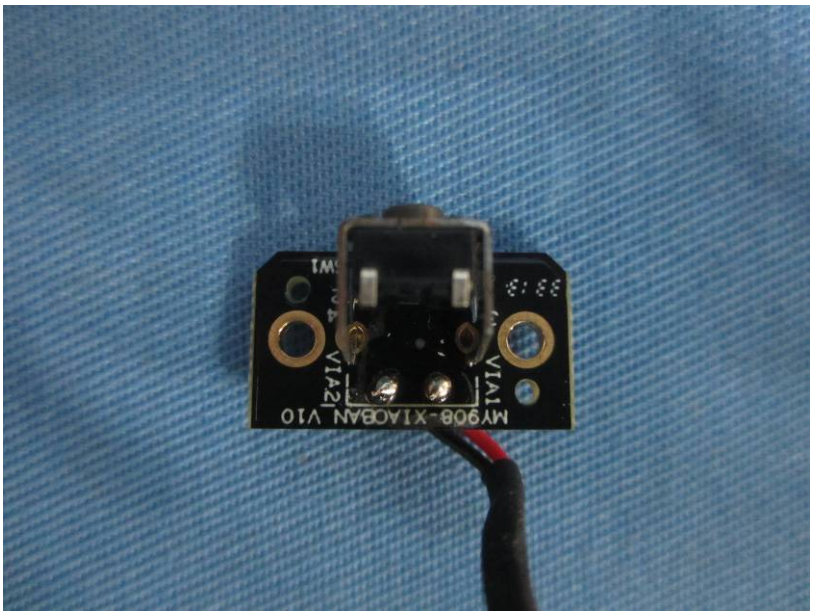


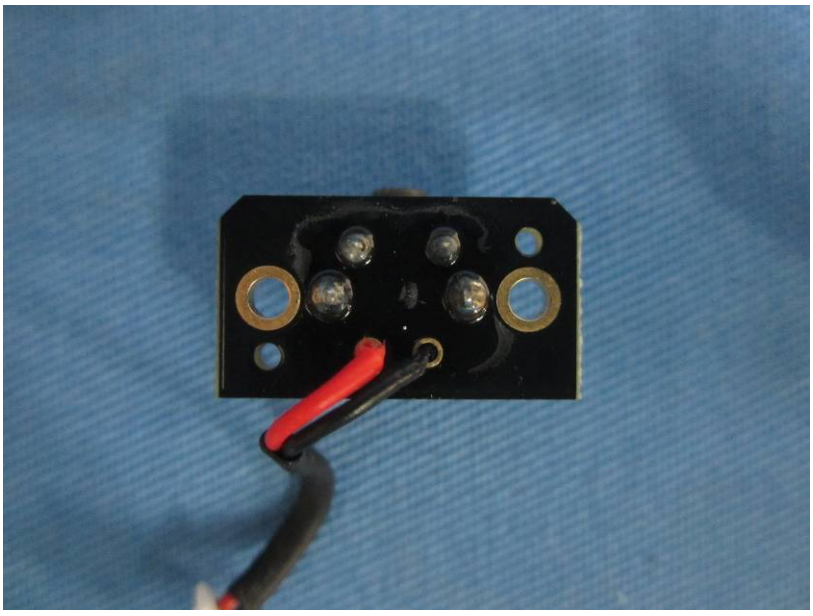




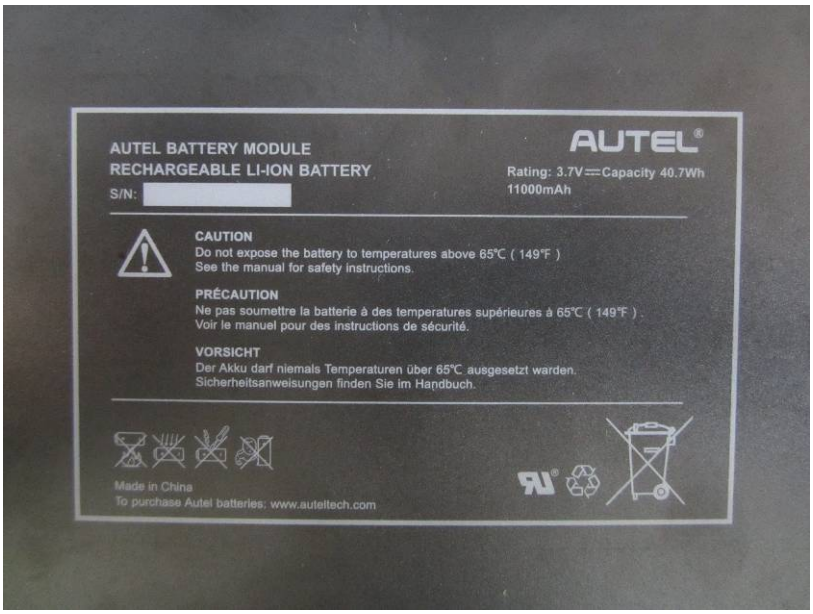

BT ANT




VIA2
VIA1
MY908-XIAOBAN V10




DMSP142
8Ω-0.5
WIFI Antenna


AUTEL BATTERY MODULE
RECHARGEABLE LI-ION BATTERY
S/N:
AUTEL
Rating: 3.7V⎓Capacity 40.7Wh
11000mAh
CAUTION
Do not expose the battery to temperatures above 65℃ (149℉)
See the manual for safety instructions.
PRÉCAUTION
Ne pas soumettre la batterie à des temperatures supérieures à 65℃ (149℉).
Voir le manuel pour des instructions de sécurité.
VORSICHT
Der Akku darf niemals Temperaturen über 65℃ ausgesetzt warden.
Sicherheitsanweisungen finden Sie im Handbuch.
Made in China
To purchase Autel batteries: www.auteltech.com


SWITCHING POWER ADAPTER
MODEL:GFP361DA-1230-1
I/P:AC 100-240V 50-60Hz 1.2A
O/P: DC 12V, 3A
I.T.E. POWER SUPPLY
LISTED
E241618
85WU
MADE IN CHINA
1308-0000511