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Report No.: SZEM141000589201
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FCC REPORT

Application No: SZEM1410005892CR
Applicant: Flyingvoice Technology Co., Ltd.
Manufacturer: Flyingvoice Technology Co., Ltd.
Factory: Flyingvoice Technology Co., Ltd.
Product Name: VoIP Wireless Router
Model No.(EUT): G902P
Add Model No.: APX9122P, APX9122, APX9120, APX9100, G902, G901P, G901, G900P, G900
FCC ID: 2AATVG902
Standards: 47 CFR Part 15, Subpart E (2014)
Date of Receipt: 2014-11-04
Date of Test: 2014-11-13 to 2015-01-04
Date of Issue: 2015-01-09

Test Result:	PASS *
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. * In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



Jack Zhang
EMC Laboratory Manager

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS International Electrical Approvals or testing done by SGS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by SGS International Electrical Approvals in writing.

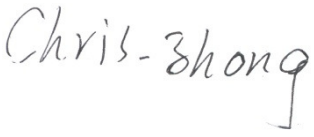
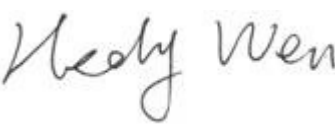
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2 Version

Revision Record				
Version	Chapter	Date	Modifier	Remark
00		2015-01-09		Original

Authorized for issue by:				
Tested By		 (Chris Zhong) /Project Engineer		2015-01-04
				Date
Prepared By		 (Hedy Wen) /Clerk		2015-01-09
				Date
Checked By		 (Emen Li) /Reviewer		2015-01-09
				Date



3 Test Summary

Test Item	Test Requirement	Test method	Result
Antenna Requirement	47 CFR Part 15 Section 15.203	ANSI C63.10 2009	PASS
AC Power Line Conducted Emission	47 CFR Part 15 Section 15.207	ANSI C63.10 2009	PASS
Duty Cycle	FCC KDB 789033 D02 General UNIT Test Procedures New Rules v01	ANSI C63.10 2009	PASS
Conducted Peak Output Power	47 CFR Part 15 Section 15.407(a)	FCC KDB 789033 D02 General UNIT Test Procedures New Rules v01	PASS
6dB Occupied Bandwidth	47 CFR Part 15 Section 15.407(a)	FCC KDB 789033 D02 General UNIT Test Procedures New Rules v01	PASS
26 dB Emission Bandwidth & 99% Occupied Bandwidth	47 CFR Part 15 Section 15.407(a)	FCC KDB 789033 D02 General UNIT Test Procedures New Rules v01	PASS
Power Spectral Density	47 CFR Part 15 Section 15.407(a)	FCC KDB 789033 D02 General UNIT Test Procedures New Rules v01	PASS
Radiated Spurious Emissions	47 CFR Part 15 Section 15.407(a)	FCC KDB 789033 D02 General UNIT Test Procedures New Rules v01	PASS
Restricted bands around fundamental frequency (Radiated Emission)	47 CFR Part 15 Section 15.407(b)	FCC KDB 789033 D02 General UNIT Test Procedures New Rules v01	PASS

Remark:

- 1) Model No.: G902P, APX9122P, APX9122, APX9120, APX9100, G902, G901P, G901, G900P, G900. Only the model G902P was tested, since the circuitry design, PCB layout, electrical components used, internal wiring and functions were identical for all above models. Only different on model No., color and decorations.
- 2) Other than **AC Power Line Conducted Emission** and **Radiated Spurious Emissions** items, through pre-scan all adapter and find the **No. : SW36-12003000-W** adapter which is the worst case, so only this adapter is used during those test and only this adapter test data include in this report.



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5 General Information

5.1 Client Information

Applicant:	Flyingvoice Technology Co., Ltd.
Address of Applicant:	Room 202, Chuangxin Bldg A#, No.12 Hongda North Rd, BDA, Beijing, China
Manufacturer:	Flyingvoice Technology Co., Ltd.
Address of Manufacturer:	Room 202, Chuangxin Bldg A#, No.12 Hongda North Rd, BDA, Beijing, China
Factory:	Flyingvoice Technology Co., Ltd.
Address of Factory:	Room 202, Chuangxin Bldg A#, No.12 Hongda North Rd, BDA, Beijing, China

5.2 General Description of EUT

Product Name:	VoIP Wireless Router	
Model No.:	G902P	
Operation Frequency:	IEEE 802.11a/ n(HT20/40)/ac(HT20/40/80): 5150MHz to 5250MHz IEEE 802.11a/ n(HT20/40)/ac(HT20/40/80): 5725MHz to 5850MHz More details of EUT technical specification, please refer to the User's Manual.	
Type of Modulation:	IEEE for 802.11a: OFDM(BPSK/QPSK/16QAM/64QAM) IEEE for 802.11n : OFDM(BPSK/QPSK/16QAM/64QAM) IEEE for 802.11ac : OFDM (BPSK/QPSK/16QAM/64QAM/256QAM)	
Sample Type:	Fixed production	
Antenna Type:	Integrated antenna	
Antenna Gain:	5dBi	
Number of transmitter chains	2	
Power Supply:	Adapter:	M/N : S24B12-120A200-Y4 Input: AC 100V-240V 50-60Hz 0.7A Output: DC 12V 2A
	Alternative adapter:	M/N : SW36-12003000-W Input: AC 100V-240V 50-60Hz 1.5A Output: DC 12V 3.0A
	Alternative adapter:	M/N : WHF-1200300T3 Input: AC 100V-240V 50-60Hz 1.0A Output: DC 12V 3.0A
DC output cable:	140cm (Unshielded) (MODEL: S24B12-120A200-Y4)	
DC output cable :	144cm Unshielded with a ferrite core (MODEL: SW36-12003000-W)	
DC output cable :	146cm Unshielded (MODEL: WHF-1200300T3)	



Operation Frequency of channel			
Band I (5.15-5.25GHz)		Band IV(5.725-5.85 GHz)	
Channel	Frequency	Channel	Frequency
36	5180MHz	149	5745MHz
38	5190MHz	151	5755MHz
40	5200MHz	153	5765MHz
42	5210MHz	155	5775MHz
44	5220MHz	157	5785MHz
46	5230MHz	159	5795MHz
48	5240MHz	161	5805MHz
		165	5825MHz

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:

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

Channel	Frequency	Channel	Frequency
36	5180MHz	149	5745
40	5200MHz	157	5785
48	5240MHz	165	5825

For 802.11 n(HT40)/ac(HT40):

Channel	Frequency	Channel	Frequency
38	5190MHz	151	5755
46	5230MHz	159	5795

For 802.11 ac(HT80):

Channel	Frequency	Channel	Frequency
42	5210MHz	155	5775



5.3 Test Environment and Mode

Operating Environment:	
Temperature:	24.0 °C
Humidity:	52 % RH
Atmospheric Pressure:	1008 mbar
Test mode:	
Transmitting mode:	Keep the EUT in transmitting mode with all kind of modulation and all kind of data rate.
Note: During the test, we use the PC to configure the power, modulation, data rate and channels.	

5.4 Description of Support Units

The EUT has been tested with associated equipment below.

Description	Manufacturer	Model No.
PC	Supply by client	DCSM
Lan cable	Supply by SGS	N/A
Mouse	IBM	MO28UO
Keyboard	IBM	KB-0225
Phone(Just used for Conducted Emission and Radiated Spurious Emissions test items)	PHILIPS	HCD1888(11)TSD

5.5 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch E&E Lab,
No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, Guangdong, China.
518057.

Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.



5.6 Test Facility

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

- **CNAS (No. CNAS L2929)**

CNAS has accredited SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab to ISO/IEC 17025:2005 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.

- **VCCI**

The 10m Semi-anechoic chamber and Shielded Room (7.5m x 4.0m x 3.0m) of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-823, R-4188, T-1153 and C-2383 respectively.

- **FCC – Registration No.: 556682**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No.: 556682.

- **Industry Canada (IC)**

Two 3m Semi-anechoic chambers of SGS-CSTC Standards Technical Services Co., Ltd. have been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 4620C-1 & 4620C-2.

5.7 Deviation from Standards

None.

5.8 Abnormalities from Standard Conditions

None.

5.9 Other Information Requested by the Customer

None.

**5.10 Equipment List**

Conducted Emission					
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Due date (yyyy-mm-dd)
1	Shielding Room	ZhongYu Electron	GB-88	SEL0042	2015-06-10
2	LISN	Rohde & Schwarz	ENV216	SEL0152	2015-10-24
3	LISN	ETS-LINDGREN	3816/2	SEL0021	2015-05-16
4	8 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T8-02	SEL0162	2015-08-30
5	4 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T4-02	SEL0163	2015-08-30
6	2 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T2-02	SEL0164	2015-08-30
7	EMI Test Receiver	Rohde & Schwarz	ESCI	SEL0022	2015-05-16
8	Coaxial Cable	SGS	N/A	SEL0025	2015-05-29
9	DC Power Supply	Zhao Xin	RXN-305D	SEL0117	2015-10-24
10	Humidity/ Temperature Indicator	Shanghai Qixiang	ZJ1-2B	SEL0103	2015-10-24
11	Barometer	Chang Chun	DYM3	SEL0088	2015-05-16



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RE in Chamber					
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Due date (yyyy-mm-dd)
1	3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEL0017	2015-06-10
2	Spectrum Analyzer	Rohde & Schwarz	FSU43	SEL0270	2015-07-28
3	EMI Test software	AUDIX	E3	SEL0050	N/A
4	BiConiLog Antenna (26-3000MHz)	ETS-LINDGREN	3142C	SEL0015	2015-10-24
5	Double-ridged horn (1-18GHz)	ETS-LINDGREN	3117	SEL0006	2015-10-24
6	Horn Antenna (18-26GHz)	ETS-LINDGREN	3160	SEL0076	2015-10-24
7	Horn Antenna(26GHz-40GHz)	A.H.Systems, inc.	SAS-573	SEL0349	2016-03-20
8	Pre-amplifier (0.1-1300MHz)	Agilent Technologies	8447D	SEL0053	2015-05-16
9	Pre-Amplifier (0.1-26.5GHz)	Compliance Directions Systems Inc.	PAP-0126	SEL0168	2015-10-24
10	Pre-amplifier(26GHz-40GHz)	Compliance Directions Systems Inc.	PAP-2640-50	SEL0350	2016-03-20
11	Coaxial cable	SGS	N/A	SEL0027	2015-05-29
12	Coaxial cable	SGS	N/A	SEL0189	2015-05-29
13	Coaxial cable	SGS	N/A	SEL0121	2015-05-29
14	Coaxial cable	SGS	N/A	SEL0178	2015-05-29
15	Band filter	Amindeon	82346	SEL0094	2015-05-16
16	Barometer	Chang Chun	DYM3	SEL0088	2015-05-16
17	DC Power Supply	Zhao Xin	RXN-305D	SEL0117	2015-10-24
18	Humidity/ Temperature Indicator	Shanghai Qixiang	ZJ1-2B	SEL0103	2015-10-24
19	Signal Generator (10M-27GHz)	Rohde & Schwarz	SMR27	SEL0067	2015-05-16
20	Signal Generator	Rohde & Schwarz	SMY01	SEL0155	2015-10-24
21	Loop Antenna	Beijing Daze	ZN30401	SEL0203	2015-06-04

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RF connected test					
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Due date (yyyy-mm-dd)
1	DC Power Supply	Zhao Xin	RXN-305D	SEL0117	2015-10-24
2	Humidity/ Temperature Indicator	HYGRO	ZJ1-2B	SEL0033	2015-10-24
3	Spectrum Analyzer	Rohde & Schwarz	FSP	SEL0154	2015-10-24
4	Coaxial cable	SGS	N/A	SEL0178	2015-05-29
5	Coaxial cable	SGS	N/A	SEL0179	2015-05-29
6	Barometer	ChangChun	DYM3	SEL0088	2015-05-16
7	Signal Generator	Rohde & Schwarz	SML03	SEL0068	2015-05-16
8	Band filter	amideon	82346	SEL0094	2015-05-16
9	POWER METER	R & S	NRVS	SEL0144	2015-10-24
10	Attenuator	Beijin feihang taida	TST-2-6dB	SEL0205	2015-05-16
11	Power Divider(splitter)	Agilent Technologies	11636B	SEL0130	2015-10-24

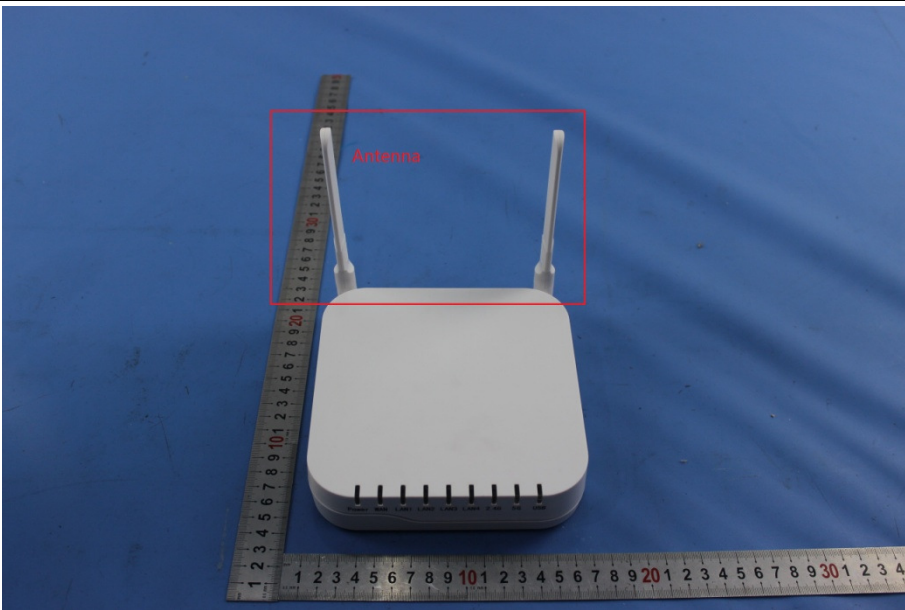
Note: The calibration interval is one year, all the instruments are valid.



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6 Test results and Measurement Data

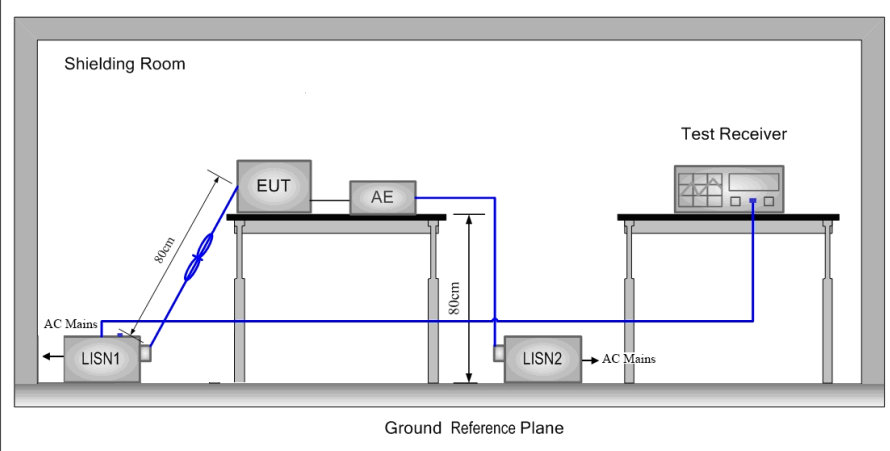
6.1 Antenna Requirement

Standard requirement:	47 CFR Part 15C 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.	
EUT Antenna:	
The antenna is integral antenna and no consideration of replacement. The best case gain of the antenna is 5dBi.	

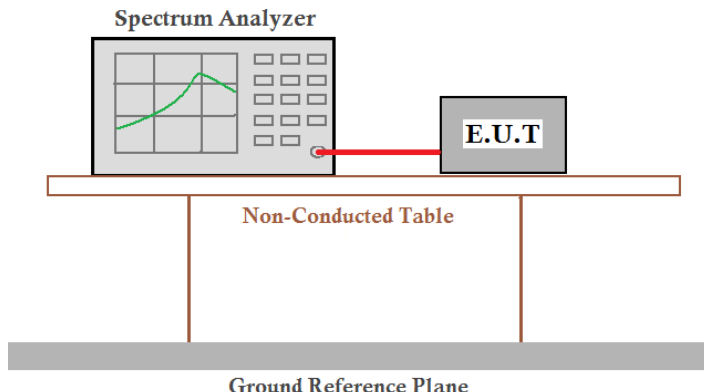


6.2 Conducted Emissions

Test Requirement:	47 CFR Part 15C Section 15.207		
Test Method:	ANSI C63.10: 2009		
Test Frequency Range:	150kHz to 30MHz		
Limit:	Frequency range (MHz)	Limit (dBuV)	
		Quasi-peak	Average
	0.15-0.5	66 to 56*	56 to 46*
	0.5-5	56	46
	5-30	60	50
* Decreases with the logarithm of the frequency.			
Test Procedure:	1) The mains terminal disturbance voltage test was conducted in a shielded room. 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a $50\Omega/50\mu\text{H} + 5\Omega$ linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded. 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane. 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2. 5) 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: 2009 on conducted measurement.		

Test Setup:	
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates at lowest, middle and highest channel.
Final Test Mode:	Through Pre-scan, and found the 6Mbps of rate of 802.11a at lowest channel is the worst case. Only the worst case is recorded in the report.
Instruments Used:	Refer to section 5.10 for details
Test Results:	Pass Remark: Please refer to the Attachment A.

6.3 Duty Cycle

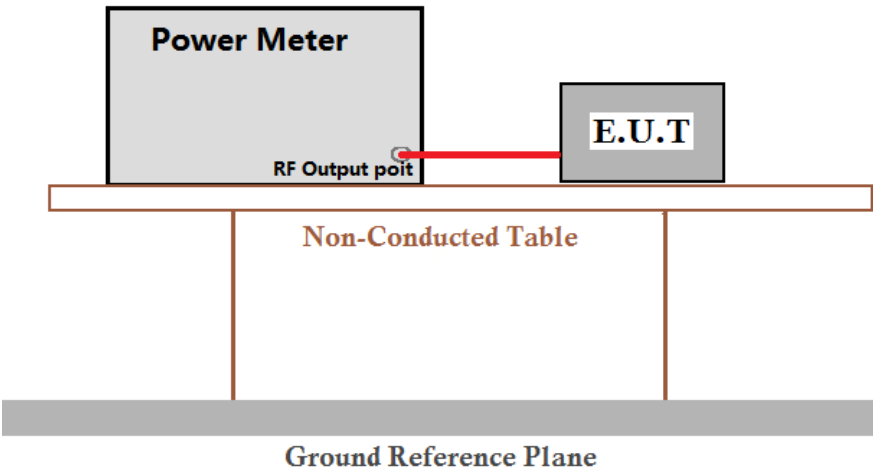
Test Requirement:	47 CFR Part 15C 15.407 and 789033 D02 General UNII Test Procedures New Rules v01, Section (B)
Test Method:	ANSI C63.10: 2009
Test Setup:	 The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. Both the Spectrum Analyzer and the E.U.T. are placed on a Non-Conducted Table. The table is supported by two vertical legs. Below the table is a Ground Reference Plane.
Limit:	N/A
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates.
Final Test Mode:	Through Pre-scan, and found the 6Mbps of rate is the worst case of 802.11a, MCSO of rate is the worst case of 802.11n(HT20), MCSO of rate is the worst case of 802.11n(HT40), MCSO of rate is the worst case of 802.11ac(HT20), MCSO of rate is the worst case of 802.11ac(HT40), MCSO of rate is the worst case of 802.11ac(HT80). Only the worst cases were recorded in the report.
Instruments Used:	Refer to section 5.10 for details
Test Results:	Pass Remark: 1) Please refer to the Attachment A; 2) Through Pre-scan, find the duty cycle of all antenna port is 100%, and find the power of antenna 1 is larger than antenna 2, so only the antenna 1 test data include in this report.

**Measurement Data**

802.11a mode			
Test channel	On time	Period	Duty Cycle(%)
36	100	100	100
802.11n(HT20) mode			
Test channel	On time	Period	Duty Cycle
36	100	100	100
802.11n(HT40) mode			
Test channel	On time	Period	Duty Cycle
38	100	100	100
802.11ac(HT20) mode			
Test channel	On time	Period	Duty Cycle
36	100	100	100
802.11ac(HT40) mode			
Test channel	On time	Period	Duty Cycle
38	100	100	100
802.11ac(HT80) mode			
Test channel	On time	Period	Duty Cycle
42	100	100	100



6.4 Conducted Output Power

Test Requirement:	47 CFR Part 15C Section 15.407 (a)
Test Method:	KDB662911 D01 Multiple Transmitter Output v02r01 KDB789033 D02 General UNII Test Procedures New Rules v01 Section E, 3, a
Test Setup:	 <i>Remark:</i> Offset the High-Frequency cable loss 1.5dB in the spectrum analyzer.
Test Instruments:	Refer to section 5.10 for details.
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates.
Final Test Mode:	Through Pre-scan, and found the 6Mbps of rate is the worst case of 802.11a, 65Mbps of rate is the worst case of 802.11n(HT20), 130Mbps of rate is the worst case of 802.11n(HT40), 86.7Mbps of rate is the worst case of 802.11ac(HT20), 200Mbps of rate is the worst case of 802.11ac(HT40), 433.3 of rate is the worst case of 802.11ac(HT80). Only the worst cases were recorded in the report.
Limit:	30dBm
Test Results:	Pass Remark: 1. Please refer to the Attachment A. 2. Conducted output power= measurement power+10log(1/x) X is duty cycle=1, so 10log(1/1)=0 Conducted output power= measurement power



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Measurement Data of band I(5150-5250MHz)

802.11a mode					
Test channel	Conducted Output Power (dBm)		Limit (dBm)		Result
	Antenna 1	Antenna 2			
36	13.06	11.76	30.00		Pass
40	13.10	11.44	30.00		Pass
48	12.62	10.71	30.00		Pass
802.11n(HT20) mode					
Test channel	Conducted Output Power (dBm)			Limit (dBm)	Result
	Antenna 1	Antenna 2	Total		
36	13.89	10.95	15.67	30.00	Pass
40	14.00	10.57	15.63	30.00	Pass
48	13.44	12.68	16.09	30.00	Pass
802.11n(HT40) mode					
Test channel	Conducted Output Power (dBm)			Limit (dBm)	Result
	Antenna 1	Antenna 2	Total		
38	11.73	10.60	14.21	30.00	Pass
46	11.45	9.78	13.71	30.00	Pass
802.11ac(HT20) mode					
Test channel	Conducted Output Power (dBm)			Limit (dBm)	Result
	Antenna 1	Antenna 2	Total		
36	12.28	10.52	14.50	30.00	Pass
40	12.14	10.57	14.44	30.00	Pass
48	11.40	9.80	13.68	30.00	Pass
802.11ac(HT40) mode					
Test channel	Conducted Output Power (dBm)			Limit (dBm)	Result
	Antenna 1	Antenna 2	Total		
38	11.71	10.60	14.20	30.00	Pass
46	11.62	9.75	13.80	30.00	Pass
802.11ac(HT80) mode					
Test channel	Conducted Output Power (dBm)			Limit (dBm)	Result
	Antenna 1	Antenna 2	Total		
42	12.23	11.02	14.68	30.00	Pass

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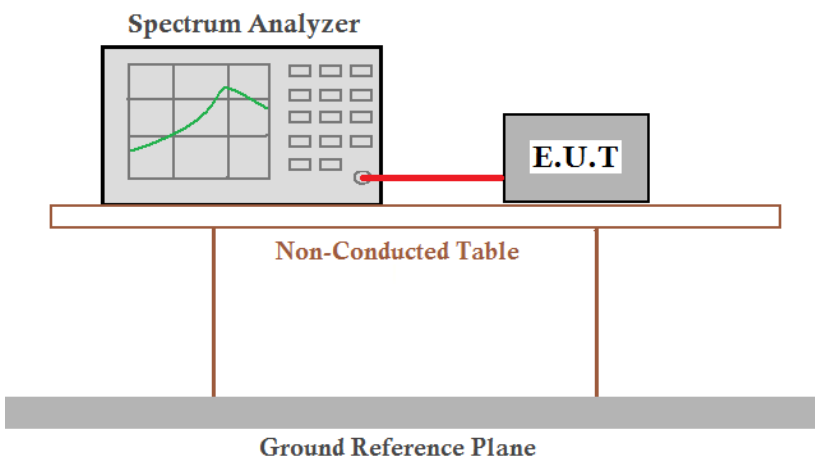
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Measurement Data of band IV(5725-5850MHz)

802.11a mode					
Test channel	Conducted Output Power (dBm)		Limit (dBm)		Result
	Antenna 1	Antenna 2			
149	14.86	12.60	30.00		Pass
157	13.87	11.83	30.00		Pass
165	13.75	10.81	30.00		Pass
802.11n(HT20) mode					
Test channel	Conducted Output Power (dBm)			Limit (dBm)	Result
	Antenna 1	Antenna 2	Total		
149	13.65	11.43	15.69	30.00	Pass
157	13.52	11.00	15.45	30.00	Pass
165	12.56	9.73	14.38	30.00	Pass
802.11n(HT40) mode					
Test channel	Conducted Output Power (dBm)			Limit (dBm)	Result
	Antenna 1	Antenna 2	Total		
151	13.80	11.51	15.81	30.00	Pass
159	13.03	9.61	14.66	30.00	Pass
802.11ac(HT20) mode					
Test channel	Conducted Output Power (dBm)			Limit (dBm)	Result
	Antenna 1	Antenna 2	Total		
149	13.61	11.87	15.84	30.00	Pass
157	13.31	10.15	15.02	30.00	Pass
165	12.47	9.66	14.30	30.00	Pass
802.11ac(HT40) mode					
Test channel	Conducted Output Power (dBm)			Limit (dBm)	Result
	Antenna 1	Antenna 2	Total		
151	13.77	11.06	15.63	30.00	Pass
159	13.16	10.58	15.07	30.00	Pass
802.11ac(HT80) mode					
Test channel	Conducted Output Power (dBm)			Limit (dBm)	Result
	Antenna 1	Antenna 2	Total		
155	13.88	11.53	15.87	30.00	Pass

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6.5 26dB Emission Bandwidth and 99% Occupied Bandwidth

Test Requirement:	47 CFR Part 15C Section 15.407 (a)
Test Method:	KDB662911 D01 Multiple Transmitter Output v02r01 KDB789033 D02 General UNII Test Procedures New Rules v01 Section C, 1 and Section D
Test Setup:	 The diagram illustrates the test setup. A Spectrum Analyzer is connected via a red cable to an E.U.T. (Equipment Under Test). Both are placed on a Non-Conducted Table. Below the table is a Ground Reference Plane.
Instruments Used:	Refer to section 5.10 for details
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates.
Final Test Mode:	Through Pre-scan, and found the 6Mbps of rate is the worst case of 802.11a, 65Mbps of rate is the worst case of 802.11n(HT20), 130Mbps of rate is the worst case of 802.11n(HT40), 86.7Mbps of rate is the worst case of 802.11ac(HT20), 200Mbps of rate is the worst case of 802.11ac(HT40), 433.3 of rate is the worst case of 802.11ac(HT80). Only the worst cases were recorded in the report.
Limit:	No restriction limits
Test Results:	Pass
	Remark: Please refer to the Attachment A.

**Measurement Data of band I(5150-5250MHz)**

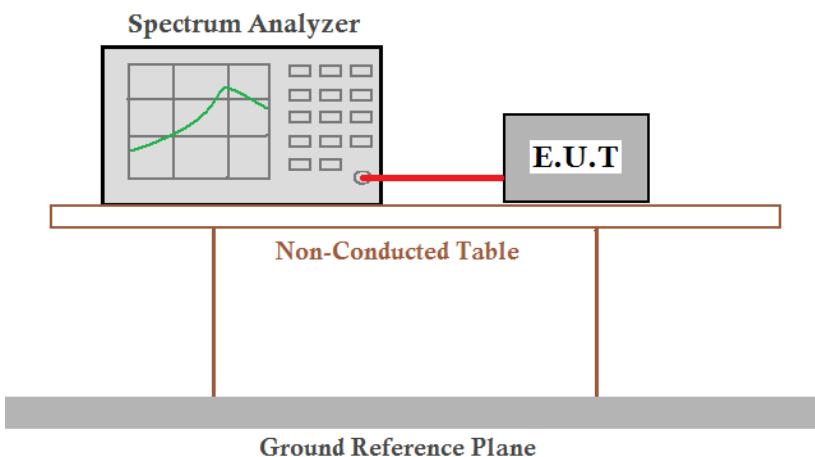
802.11a mode		
Test channel	26dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
36	19.52	16.49
40	19.18	16.49
48	19.38	16.49
802.11n(HT20) mode		
Test channel	26dB Occupy Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
36	19.90	17.50
40	19.81	17.50
48	19.86	17.50
802.11n(HT40) mode		
Test channel	26dB Occupy Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
38	40.54	36.30
46	40.46	36.30
802.11ac(HT20) mode		
Test channel	26dB Occupy Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
36	19.81	17.50
40	19.81	17.50
48	19.90	17.50
802.11ac(HT40) mode		
Test channel	26dB Occupy Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
38	40.46	36.30
46	40.87	36.22
802.11ac(HT80) mode		
Test channel	26dB Occupy Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
42	81.49	75.00



**Measurement Data of band IV(5725-5850MHz)**

802.11a mode		
Test channel	26dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
149	19.86	16.49
157	19.81	16.49
165	19.23	16.49
802.11n(HT20) mode		
Test channel	26dB Occupy Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
149	19.76	17.50
157	19.81	17.50
165	19.81	17.50
802.11n(HT40) mode		
Test channel	26dB Occupy Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
151	40.71	36.30
159	40.63	36.30
802.11ac(HT20) mode		
Test channel	26dB Occupy Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
149	19.81	17.50
157	19.86	17.50
165	19.90	17.50
802.11ac(HT40) mode		
Test channel	26dB Occupy Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
151	40.54	36.22
159	40.54	36.30
802.11ac(HT80) mode		
Test channel	26dB Occupy Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
155	81.20	74.86

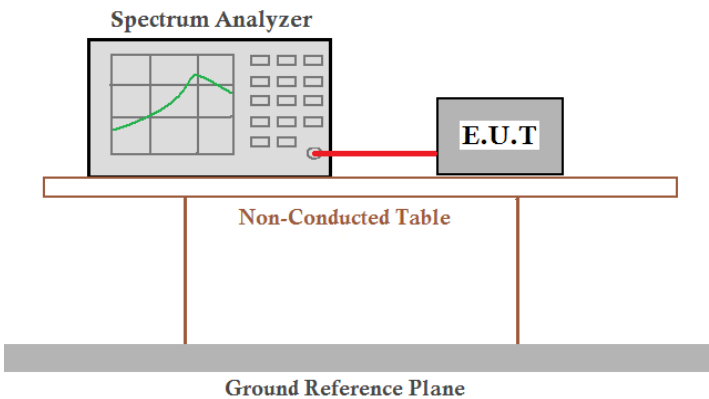
6.6 6dB Emission Bandwidth

Test Requirement:	47 CFR Part 15C Section 15.407 (e)
Test Method:	KDB662911 D01 Multiple Transmitter Output v02r01 KDB789033 D02 General UNII Test Procedures New Rules v01 Section C, 2
Test Setup:	 The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T (Equipment Under Test) via a red cable. Both the Spectrum Analyzer and the E.U.T are placed on a Non-Conducted Table. Below the table is a Ground Reference Plane.
Instruments Used:	Refer to section 5.10 for details.
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates.
Final Test Mode:	Through Pre-scan, and found the 6Mbps of rate is the worst case of 802.11a, 65Mbps of rate is the worst case of 802.11n(HT20), 130Mbps of rate is the worst case of 802.11n(HT40), 86.7Mbps of rate is the worst case of 802.11ac(HT20), 200Mbps of rate is the worst case of 802.11ac(HT40), 433.3 of rate is the worst case of 802.11ac(HT80). Only the worst cases were recorded in the report.
Limit:	≥ 500 kHz
Test Results:	Pass
	Remark: Please refer to the Attachment A.

**Measurement Data of band IV(5725-5850MHz)**

802.11a mode			
Test channel	6dB Occupy Bandwidth (MHz)	Limit (kHz)	Result
149	16.54	≥500	Pass
157	16.49	≥500	Pass
165	16.54	≥500	Pass
802.11n(HT20) mode			
Test channel	6dB Occupy Bandwidth (MHz)	Limit (kHz)	Result
149	17.64	≥500	Pass
157	17.45	≥500	Pass
165	17.69	≥500	Pass
802.11n(HT40) mode			
Test channel	6dB Occupy Bandwidth (MHz)	Limit (kHz)	Result
151	36.62	≥500	Pass
159	36.60	≥500	Pass
802.11ac(HT20)mode			
Test channel	6dB Occupy Bandwidth (MHz)	Limit (kHz)	Result
149	17.69	≥500	Pass
157	17.69	≥500	Pass
165	17.64	≥500	Pass
802.11ac(HT40)mode			
Test channel	6dB Occupy Bandwidth (MHz)	Limit (kHz)	Result
151	36.64	≥500	Pass
159	36.60	≥500	Pass
802.11ac(HT80)mode			
Test channel	6dB Occupy Bandwidth (MHz)	Limit (kHz)	Result
155	74.86	≥500	Pass

6.7 Power Spectral Density

Test Requirement:	47 CFR Part 15C Section 15.407 (a)
Test Method:	KDB662911 D01 Multiple Transmitter Output v02r01 KDB789033 D02 General UNII Test Procedures New Rules v01, Section F
Test Setup:	 <i>Remark:</i> Offset the High-Frequency cable loss 1.5dB in the spectrum analyzer.
Test Instruments:	Refer to section 5.10 for details.
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates.
Final Test Mode:	Through Pre-scan, and found the 6Mbps of rate is the worst case of 802.11a, 65Mbps of rate is the worst case of 802.11n(HT20), 130Mbps of rate is the worst case of 802.11n(HT40), 86.7Mbps of rate is the worst case of 802.11ac(HT20), 200Mbps of rate is the worst case of 802.11ac(HT40), 433.3 of rate is the worst case of 802.11ac(HT80). Only the worst cases were recorded in the report.
Limit:	≤17.00dBm/MHz for Operation in the band I(5150MHz-5250MHz)of device ≤30.00dBm/500KHz for Operation in the band IV(5725MHz-5850MHz)of device
Test Results:	Pass Remark: Please refer to the Attachment A.



Measurement Data of Band I (5150-5250MHz)

802.11a mode					
Test channel	Power Spectral Density (dBm)		Limit (dBm)	Result	
	Antenna 1	Antenna 2			
36	10.28	9.59	≤17.00/MHz	Pass	
40	10.35	9.10	≤17.00/MHz	Pass	
48	9.42	8.70	≤17.00/MHz	Pass	
802.11n(HT20) mode					
Test channel	Power Spectral Density (dBm)			Limit (dBm)	Result
	Antenna 1	Antenna 2	Total		
36	9.90	9.28	12.61	≤17.00/MHz	Pass
40	9.94	8.83	12.43	≤17.00/MHz	Pass
48	9.43	8.02	11.79	≤17.00/MHz	Pass
802.11n(HT40) mode					
Test channel	Power Spectral Density (dBm)			Limit (dBm)	Result
	Antenna 1	Antenna 2	Total		
38	7.16	5.34	9.35	≤17.00/MHz	Pass
46	6.20	4.33	8.38	≤17.00/MHz	Pass
802.11ac(HT20) mode					
Test channel	Power Spectral Density (dBm)			Limit (dBm)	Result
	Antenna 1	Antenna 2	Total		
36	10.45	9.19	12.88	≤17.00/MHz	Pass
40	10.51	8.97	12.82	≤17.00/MHz	Pass
48	9.78	8.12	12.04	≤17.00/MHz	Pass
802.11ac(HT40) mode					
Test channel	Power Spectral Density (dBm)			Limit (dBm)	Result
	Antenna 1	Antenna 2	Total		
38	6.73	5.38	9.12	≤17.00/MHz	Pass
46	6.49	4.55	8.64	≤17.00/MHz	Pass
802.11ac(HT80) mode					
Test channel	Power Spectral Density (dBm)			Limit (dBm)	Result
	Antenna 1	Antenna 2	Total		
42	4.18	2.52	6.44	≤17.00/MHz	Pass



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Measurement Data of Band IV (5725-5850MHz)

802.11a mode					
Test channel	Power Spectral Density (dBm)			Limit (dBm)	Result
	Antenna 1	Antenna 2			
149	8.89	7.32		≤30.00dBm/500KHz	Pass
157	8.18	6.26		≤30.00dBm/500KHz	Pass
165	7.79	5.53		≤30.00dBm/500KHz	Pass
802.11n(HT20) mode					
Test channel	Power Spectral Density (dBm)			Limit (dBm)	Result
	Antenna 1	Antenna 2	Total		
149	7.82	5.11	9.68	≤30.00dBm/500KHz	Pass
157	7.11	5.06	9.22	≤30.00dBm/500KHz	Pass
165	6.83	2.67	8.24	≤30.00dBm/500KHz	Pass
802.11n(HT40) mode					
Test channel	Power Spectral Density (dBm)			Limit (dBm)	Result
	Antenna 1	Antenna 2	Total		
151	5.23	2.89	7.23	≤30.00dBm/500KHz	Pass
159	4.59	2.06	6.52	≤30.00dBm/500KHz	Pass
802.11ac(HT20) mode					
Test channel	Power Spectral Density (dBm)			Limit (dBm)	Result
	Antenna 1	Antenna 2	Total		
149	7.97	5.81	10.03	≤30.00dBm/500KHz	Pass
157	6.91	4.97	9.06	≤30.00dBm/500KHz	Pass
165	6.49	2.67	8.00	≤30.00dBm/500KHz	Pass
802.11ac(HT40) mode					
Test channel	Power Spectral Density (dBm)			Limit (dBm)	Result
	Antenna 1	Antenna 2	Total		
151	5.19	2.55	7.08	≤30.00dBm/500KHz	Pass
159	4.35	1.89	6.30	≤30.00dBm/500KHz	Pass
802.11ac(HT80) mode					
Test channel	Power Spectral Density (dBm)			Limit (dBm)	Result
	Antenna 1	Antenna 2	Total		
155	2.66	0.44	4.70	≤30.00dBm/500KHz	Pass

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6.8 Radiated Spurious Emissions

Test Requirement:	47 CFR Part 15C Section 15.407 (b) and 15.205 and 15.209				
Test Method:	ANSI C63.10 2009				
Test Site:	Measurement Distance: 3m (Semi-Anechoic Chamber)				
Receiver Setup:	Frequency	Detector	RBW	VBW	Remark
	0.009MHz-0.090MHz	Peak	10kHz	30kHz	Peak
	0.009MHz-0.090MHz	Average	10kHz	30kHz	Average
	0.090MHz-0.110MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
	0.110MHz-0.490MHz	Peak	10kHz	30kHz	Peak
	0.110MHz-0.490MHz	Average	10kHz	30kHz	Average
	0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
	30MHz-1GHz	Quasi-peak	100 kHz	300kHz	Quasi-peak
	Above 1GHz	Peak	1MHz	3MHz	Peak
		Peak	1MHz	10Hz	Average
Limit:	Frequency	Field strength (microvolt/meter)	Limit (dBuV/m)	Remark	Measurement distance (m)
	0.009MHz-0.490MHz	2400/F(kHz)	-	-	300
	0.490MHz-1.705MHz	24000/F(kHz)	-	-	30
	1.705MHz-30MHz	30	-	-	30
	30MHz-88MHz	100	40.0	Quasi-peak	3
	88MHz-216MHz	150	43.5	Quasi-peak	3
	216MHz-960MHz	200	46.0	Quasi-peak	3
	960MHz-1GHz	500	54.0	Quasi-peak	3
	Above 1GHz	500	54.0	Average	3
	Note: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.				

Test Setup:

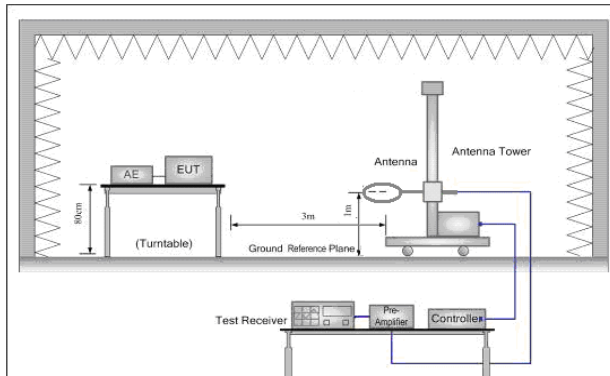


Figure 1. Below 30MHz

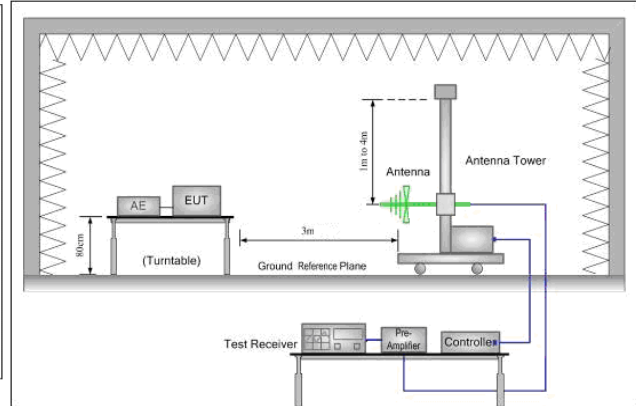


Figure 2. 30MHz to 1GHz

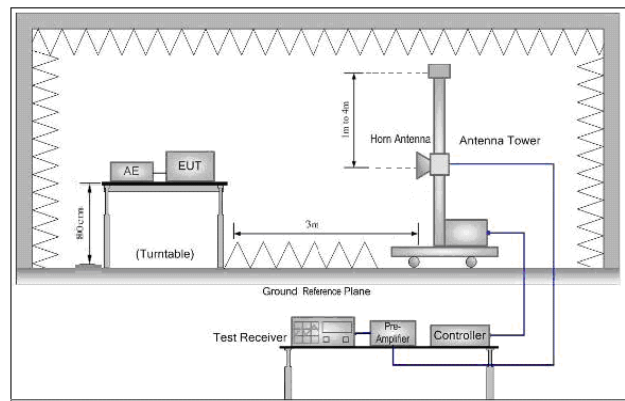


Figure 3. Above 1 GHz

Test Procedure:

- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. 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.
- 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.
- 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 (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable 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.
- If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- Test the EUT in the lowest channel, the middle channel, the Highest



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	channel h. Repeat above procedures until all frequencies measured was complete.
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates.
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate is the worst case of 802.11a; MCSO of rate is the worst case of 802.11n(HT20); MCSO of rate is the worst case of 802.11n(HT40); MCSO of rate is the worst case of 802.11ac(HT20); MCSO of rate is the worst case of 802.11ac(HT40); MCSO of rate is the worst case of 802.11ac(HT80). Only the worst case is recorded in the report.
Instruments Used:	Refer to section 5.10 for details
Test Results:	Pass
	Remark: Please refer to the Attachment A.



6.8.1 Transmitter emission above 1GHz

For adapter No.: S24B12-120A200-Y4								
Test mode:	802.11a		Test channel:	36		Remark:	Peak	
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3608.036	6.91	33.01	38.79	45.95	47.08	74	-26.92	Vertical
4919.161	6.67	34.82	39.27	48.32	50.54	74	-23.46	Vertical
7824.060	9.38	35.68	39.01	45.33	51.38	74	-22.62	Vertical
9494.509	10.05	37.11	38.00	43.28	52.44	74	-21.56	Vertical
10360.000	9.92	37.13	37.89	43.12	52.28	74	-21.72	Vertical
15540.000	12.97	39.38	41.17	42.65	53.83	74	-20.17	Vertical
3719.627	6.84	33.09	38.84	46.84	47.93	74	-26.07	Horizontal
5303.632	7.11	34.81	39.26	48.56	51.22	74	-22.78	Horizontal
7740.397	9.36	35.61	39.02	46.96	52.91	74	-21.09	Horizontal
9392.984	9.99	36.93	38.06	42.60	51.46	74	-22.54	Horizontal
10360.000	9.92	37.13	37.89	43.97	53.13	74	-20.87	Horizontal
15540.000	12.97	39.38	41.17	42.52	53.70	74	-20.30	Horizontal

Test mode:	802.11a		Test channel:	40		Remark:	Peak	
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Polarization
3563.065	6.93	32.96	38.77	45.61	46.73	74	-27.27	Vertical
4780.140	6.37	34.69	39.23	46.94	48.77	74	-25.23	Vertical
7754.279	9.37	35.62	39.02	46.06	52.03	74	-21.97	Vertical
9409.829	10.00	36.96	38.05	42.62	51.53	74	-22.47	Vertical
10400.000	9.94	37.02	37.92	44.33	53.37	74	-20.63	Vertical
15600.000	12.97	39.50	41.19	41.53	52.81	74	-21.19	Vertical
3556.687	6.94	32.95	38.77	45.66	46.78	74	-27.22	Horizontal
4797.300	6.40	34.70	39.24	47.08	48.94	74	-25.06	Horizontal
8037.194	9.44	35.81	38.97	42.86	49.14	74	-24.86	Horizontal
9562.801	10.01	37.23	37.96	43.39	52.67	74	-21.33	Horizontal
10400.000	9.94	37.02	37.92	42.66	51.70	74	-22.30	Horizontal
15600.000	12.97	39.50	41.19	42.04	53.32	74	-20.68	Horizontal



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Test mode:		802.11a		Test channel:		48		Remark:		Peak	
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization			
3614.506	6.90	33.01	38.79	45.90	47.02	74	-26.98	Vertical			
5116.940	6.95	34.87	39.29	46.32	48.85	74	-25.15	Vertical			
7937.019	9.41	35.76	39.01	42.00	48.16	74	-25.84	Vertical			
9528.594	10.03	37.17	37.98	43.13	52.35	74	-21.65	Vertical			
10480.000	9.97	37.30	37.96	43.82	53.13	74	-20.87	Vertical			
15720.000	12.96	39.74	41.23	41.61	53.08	74	-20.92	Vertical			
3666.690	6.87	33.05	38.81	46.48	47.59	74	-26.41	Horizontal			
4831.806	6.48	34.73	39.25	46.90	48.86	74	-25.14	Horizontal			
7282.930	9.02	35.55	39.06	47.49	53.00	74	-21.00	Horizontal			
9528.594	10.03	37.17	37.98	43.77	52.99	74	-21.01	Horizontal			
10480.000	9.97	37.30	37.96	43.95	53.26	74	-20.74	Horizontal			
15720.000	12.96	39.74	41.23	41.98	53.45	74	-20.55	Horizontal			

Test mode:		802.11a		Test channel:		149		Remark:		Peak	
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Polarization			
3814.113	6.79	33.18	38.88	46.52	47.61	74	-26.39	Vertical			
4945.674	6.72	34.85	39.28	48.01	50.30	74	-23.70	Vertical			
7309.075	9.06	35.52	39.06	46.34	51.86	74	-22.14	Vertical			
9545.682	10.02	37.20	37.97	43.07	52.32	74	-21.68	Vertical			
11490.000	10.39	38.22	38.46	43.34	53.49	74	-20.51	Vertical			
17235.000	16.31	41.01	41.69	37.36	52.99	74	-21.01	Vertical			
3719.627	6.84	33.09	38.84	45.54	46.63	74	-27.37	Horizontal			
5053.163	6.89	34.89	39.29	46.41	48.90	74	-25.10	Horizontal			
7937.019	9.41	35.76	39.01	41.83	47.99	74	-26.01	Horizontal			
9494.509	10.05	37.11	38.00	41.67	50.83	74	-23.17	Horizontal			
11490.000	10.39	38.22	38.46	42.65	52.80	74	-21.20	Horizontal			
17235.000	16.31	41.01	41.69	37.45	53.08	74	-20.92	Horizontal			

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Test mode:		802.11a		Test channel:		157		Remark:		Peak	
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization			
3807.285	6.79	33.16	38.87	47.26	48.34	74	-25.66	Vertical			
5162.988	6.99	34.86	39.28	47.19	49.76	74	-24.24	Vertical			
7535.134	9.32	35.46	39.04	44.11	49.85	74	-24.15	Vertical			
9392.984	9.99	36.93	38.06	43.14	52.00	74	-22.00	Vertical			
11570.000	10.42	38.28	38.50	42.23	52.43	74	-21.57	Vertical			
17355.000	16.08	40.96	41.72	37.67	52.99	74	-21.01	Vertical			
3814.113	6.79	33.18	38.88	47.67	48.76	74	-25.24	Horizontal			
5200.124	7.02	34.85	39.27	47.34	49.94	74	-24.06	Horizontal			
7481.323	9.29	35.44	39.04	44.80	50.49	74	-23.51	Horizontal			
9275.910	9.92	36.67	38.14	42.68	51.13	74	-22.87	Horizontal			
11570.000	10.42	38.28	38.50	42.00	52.20	74	-21.80	Horizontal			
17355.000	16.08	40.96	41.72	38.06	53.38	74	-20.62	Horizontal			

Test mode:		802.11a		Test channel:		165		Remark:		Peak
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Polarization		
3358.496	7.24	32.67	38.68	46.25	47.48	74	-26.52	Vertical		
4814.522	6.44	34.71	39.24	47.00	48.91	74	-25.09	Vertical		
7657.630	9.35	35.53	39.03	44.68	50.53	74	-23.47	Vertical		
9597.131	9.99	37.29	37.94	43.72	53.06	74	-20.94	Vertical		
11650.000	10.46	38.35	38.54	40.86	51.13	74	-22.87	Vertical		
17475.000	15.86	40.91	41.75	37.33	52.35	74	-21.65	Vertical		
3726.298	6.84	33.10	38.84	46.83	47.93	74	-26.07	Horizontal		
4763.041	6.33	34.68	39.22	47.11	48.90	74	-25.10	Horizontal		
7243.887	8.97	35.59	39.06	46.83	52.33	74	-21.67	Horizontal		
9511.536	10.04	37.14	37.99	43.69	52.88	74	-21.12	Horizontal		
11650.000	10.46	38.35	38.54	42.63	52.90	74	-21.10	Horizontal		
17475.000	15.86	40.91	41.75	37.27	52.29	74	-21.71	Horizontal		

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Test mode:		802.11n(HT20)		Test channel:		36		Remark:		Peak	
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization			
3358.496	7.24	32.67	38.68	46.27	47.50	74	-26.50	Vertical			
4712.109	6.22	34.65	39.21	47.10	48.76	74	-25.24	Vertical			
6670.781	8.20	35.74	39.12	47.53	52.35	74	-21.65	Vertical			
8774.731	9.70	35.95	38.46	42.99	50.18	74	-23.82	Vertical			
10360.000	9.92	37.13	37.89	43.86	53.02	74	-20.98	Vertical			
15540.000	12.97	39.38	41.17	41.40	52.58	74	-21.42	Vertical			
3693.064	6.86	33.07	38.83	44.34	45.44	74	-28.56	Horizontal			
4857.848	6.54	34.76	39.25	44.93	46.98	74	-27.02	Horizontal			
7269.892	9.01	35.56	39.06	45.45	50.96	74	-23.04	Horizontal			
9376.170	9.98	36.89	38.08	40.30	49.09	74	-24.91	Horizontal			
10360.000	9.92	37.13	37.89	43.70	52.86	74	-21.14	Horizontal			
15540.000	12.97	39.38	41.17	40.90	52.08	74	-21.92	Horizontal			

Test mode:		802.11n(HT20)		Test channel:		40		Remark:		Peak	
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Polarization			
3848.436	6.77	33.24	38.89	46.06	47.18	74	-26.82	Vertical			
4788.712	6.39	34.69	39.23	47.49	49.34	74	-24.66	Vertical			
6754.976	8.32	35.76	39.11	48.45	53.42	74	-20.58	Vertical			
9545.682	10.02	37.20	37.97	43.08	52.33	74	-21.67	Vertical			
10400.000	9.94	37.02	37.92	43.76	52.80	74	-21.20	Vertical			
15600.000	12.97	39.50	41.19	42.03	53.31	74	-20.69	Vertical			
3706.322	6.85	33.08	38.83	46.71	47.81	74	-26.19	Horizontal			
4875.288	6.57	34.78	39.26	47.14	49.23	74	-24.77	Horizontal			
7192.155	8.90	35.65	39.07	47.45	52.93	74	-21.07	Horizontal			
9545.682	10.02	37.20	37.97	43.04	52.29	74	-21.71	Horizontal			
10400.000	9.94	37.02	37.92	44.68	53.72	74	-20.28	Horizontal			
15600.000	12.97	39.50	41.19	40.94	52.22	74	-21.78	Horizontal			

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Test mode:		802.11n(HT20)		Test channel:		48		Remark:		Peak	
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization			
3148.700	7.66	32.14	38.58	46.04	47.26	74	-26.74	Vertical			
4695.254	6.18	34.64	39.20	47.25	48.87	74	-25.13	Vertical			
7322.183	9.08	35.50	39.06	46.11	51.63	74	-22.37	Vertical			
9683.496	9.95	37.56	37.89	42.72	52.34	74	-21.66	Vertical			
10480.000	9.97	37.30	37.96	43.55	52.86	74	-21.14	Vertical			
15720.000	12.96	39.74	41.23	42.16	53.63	74	-20.37	Vertical			
3807.285	6.79	33.16	38.87	46.75	47.83	74	-26.17	Horizontal			
5116.940	6.95	34.87	39.29	46.72	49.25	74	-24.75	Horizontal			
7824.060	9.38	35.68	39.01	45.33	51.38	74	-22.62	Horizontal			
9545.682	10.02	37.20	37.97	43.26	52.51	74	-21.49	Horizontal			
10480.000	9.97	37.30	37.96	43.29	52.60	74	-21.40	Horizontal			
15720.000	12.96	39.74	41.23	42.27	53.74	74	-20.26	Horizontal			

Test mode:		802.11n(HT20)		Test channel:		149		Remark:		Peak	
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Polarization			
3834.670	6.78	33.21	38.88	45.67	46.78	74	-27.22	Vertical			
4927.982	6.69	34.83	39.28	47.55	49.79	74	-24.21	Vertical			
6779.226	8.35	35.76	39.11	48.81	53.81	74	-20.19	Vertical			
9409.829	10.00	36.96	38.05	42.43	51.34	74	-22.66	Vertical			
11490.000	10.39	38.22	38.46	41.54	51.69	74	-22.31	Vertical			
17235.000	16.31	41.01	41.69	37.06	52.69	74	-21.31	Vertical			
3234.474	7.49	32.34	38.62	46.55	47.76	74	-26.24	Horizontal			
4788.712	6.39	34.69	39.23	46.60	48.45	74	-25.55	Horizontal			
7295.991	9.04	35.53	39.06	47.07	52.58	74	-21.42	Horizontal			
9700.862	9.94	37.61	37.88	44.15	53.82	74	-20.18	Horizontal			
11490.000	10.39	38.22	38.46	42.64	52.79	74	-21.21	Horizontal			
17235.000	16.31	41.01	41.69	36.72	52.35	74	-21.65	Horizontal			

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Test mode:		802.11n(HT20)		Test channel:		157		Remark:		Peak	
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization			
3334.511	7.29	32.61	38.67	45.45	46.68	74	-27.32	Vertical			
4823.156	6.46	34.72	39.24	46.35	48.29	74	-25.71	Vertical			
7441.216	9.23	35.43	39.05	44.66	50.27	74	-23.73	Vertical			
9597.131	9.99	37.29	37.94	42.89	52.23	74	-21.77	Vertical			
11570.000	10.42	38.28	38.50	42.57	52.77	74	-21.23	Vertical			
17355.000	16.08	40.96	41.72	37.61	52.93	74	-21.07	Vertical			
3699.687	6.85	33.08	38.83	44.32	45.42	74	-28.58	Horizontal			
4814.522	6.44	34.71	39.24	45.95	47.86	74	-26.14	Horizontal			
8375.330	9.58	35.81	38.73	43.51	50.17	74	-23.83	Horizontal			
9718.259	9.93	37.67	37.87	42.44	52.17	74	-21.83	Horizontal			
11570.000	10.42	38.28	38.50	42.37	52.57	74	-21.43	Horizontal			
17355.000	16.08	40.96	41.72	37.24	52.56	74	-21.44	Horizontal			

Test mode:		802.11n(HT20)		Test channel:		165		Remark:		Peak	
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Polarization			
3352.483	7.25	32.66	38.67	46.38	47.62	74	-26.38	Vertical			
4981.247	6.80	34.88	39.29	48.05	50.44	74	-23.56	Vertical			
7256.878	8.99	35.58	39.06	47.17	52.68	74	-21.32	Vertical			
9392.984	9.99	36.93	38.06	42.60	51.46	74	-22.54	Vertical			
11650.000	10.46	38.35	38.54	43.53	53.80	74	-20.20	Vertical			
17475.000	15.86	40.91	41.75	38.29	53.31	74	-20.69	Vertical			
3855.338	6.77	33.25	38.89	46.47	47.60	74	-26.40	Horizontal			
4927.982	6.69	34.83	39.28	48.04	50.28	74	-23.72	Horizontal			
7348.469	9.11	35.48	39.05	45.70	51.24	74	-22.76	Horizontal			
9494.509	10.05	37.11	38.00	44.24	53.40	74	-20.60	Horizontal			
11650.000	10.46	38.35	38.54	43.17	53.44	74	-20.56	Horizontal			
17475.000	15.86	40.91	41.75	37.18	52.20	74	-21.80	Horizontal			

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Test mode:		802.11n(HT40)		Test channel:		38		Remark:		Peak	
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization			
3719.627	6.84	33.09	38.84	46.84	47.93	74	-26.07	Vertical			
5256.330	7.07	34.83	39.27	48.37	51.00	74	-23.00	Vertical			
7866.230	9.39	35.71	39.01	43.02	49.11	74	-24.89	Vertical			
9631.584	9.97	37.40	37.92	41.66	51.11	74	-22.89	Vertical			
10380.000	9.93	37.07	37.90	42.94	52.04	74	-21.96	Vertical			
15570.000	12.97	39.44	41.18	41.84	53.07	74	-20.93	Vertical			
3699.687	6.85	33.08	38.83	47.01	48.11	74	-25.89	Horizontal			
4884.031	6.59	34.79	39.26	46.57	48.69	74	-25.31	Horizontal			
7322.183	9.08	35.50	39.06	46.32	51.84	74	-22.16	Horizontal			
9545.682	10.02	37.20	37.97	43.07	52.32	74	-21.68	Horizontal			
10380.000	9.93	37.07	37.90	42.94	52.04	74	-21.96	Horizontal			
15570.000	12.97	39.44	41.18	41.48	52.71	74	-21.29	Horizontal			

Test mode:		802.11n(HT40)		Test channel:		46		Remark:		Peak	
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Polarization			
3862.252	6.76	33.26	38.90	46.00	47.12	74	-26.88	Vertical			
5172.247	7.00	34.86	39.28	46.82	49.40	74	-24.60	Vertical			
7951.252	9.41	35.77	39.00	42.44	48.62	74	-25.38	Vertical			
9309.210	9.94	36.75	38.12	41.98	50.55	74	-23.45	Vertical			
10460.000	9.96	37.23	37.95	43.62	52.86	74	-21.14	Vertical			
15690.000	12.96	39.68	41.22	41.87	53.29	74	-20.71	Vertical			
3732.980	6.83	33.10	38.84	46.15	47.24	74	-26.76	Horizontal			
4788.712	6.39	34.69	39.23	47.49	49.34	74	-24.66	Horizontal			
7322.183	9.08	35.50	39.06	46.82	52.34	74	-21.66	Horizontal			
9597.131	9.99	37.29	37.94	43.76	53.10	74	-20.90	Horizontal			
10460.000	9.96	37.23	37.95	42.35	51.59	74	-22.41	Horizontal			
15690.000	12.96	39.68	41.22	40.82	52.24	74	-21.76	Horizontal			

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Test mode:		802.11n(HT40)		Test channel:		151		Remark:		Peak	
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization			
3222.904	7.51	32.31	38.61	44.48	45.69	74	-28.31	Vertical			
4712.109	6.22	34.65	39.21	46.51	48.17	74	-25.83	Vertical			
7494.740	9.30	35.45	39.04	42.46	48.17	74	-25.83	Vertical			
9309.210	9.94	36.75	38.12	41.68	50.25	74	-23.75	Vertical			
11510.000	10.39	38.23	38.47	41.31	51.46	74	-22.54	Vertical			
17265.000	16.25	40.99	41.69	37.36	52.91	74	-21.09	Vertical			
3177.036	7.60	32.20	38.59	46.50	47.71	74	-26.29	Horizontal			
4805.903	6.42	34.71	39.24	46.60	48.49	74	-25.51	Horizontal			
7348.469	9.11	35.48	39.05	45.70	51.24	74	-22.76	Horizontal			
9342.630	9.96	36.82	38.10	42.06	50.74	74	-23.26	Horizontal			
11510.000	10.39	38.23	38.47	42.55	52.70	74	-21.30	Horizontal			
17265.000	16.25	40.99	41.69	37.07	52.62	74	-21.38	Horizontal			

Test mode:		802.11n(HT40)		Test channel:		159		Remark:		Peak	
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Polarization			
3876.117	6.76	33.29	38.90	45.60	46.75	74	-27.25	Vertical			
4840.471	6.50	34.74	39.25	46.43	48.42	74	-25.58	Vertical			
7575.747	9.33	35.47	39.03	45.25	51.02	74	-22.98	Vertical			
9309.210	9.94	36.75	38.12	42.24	50.81	74	-23.19	Vertical			
11590.000	10.43	38.29	38.51	40.75	50.96	74	-23.04	Vertical			
17385.000	16.03	40.95	41.73	36.79	52.04	74	-21.96	Vertical			
3620.989	6.90	33.02	38.79	45.42	46.55	74	-27.45	Horizontal			
4831.806	6.48	34.73	39.25	46.90	48.86	74	-25.14	Horizontal			
7657.630	9.35	35.53	39.03	43.88	49.73	74	-24.27	Horizontal			
9209.667	9.88	36.53	38.18	42.75	50.98	74	-23.02	Horizontal			
11590.000	10.43	38.29	38.51	42.16	52.37	74	-21.63	Horizontal			
17385.000	16.03	40.95	41.73	37.61	52.86	74	-21.14	Horizontal			

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Test mode:		802.11ac(HT20)		Test channel:		36		Remark:		Peak	
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization			
3211.375	7.53	32.28	38.61	45.60	46.80	74	-27.20	Vertical			
4788.712	6.39	34.69	39.23	48.16	50.01	74	-23.99	Vertical			
7026.565	8.68	35.78	39.08	46.72	52.10	74	-21.90	Vertical			
9579.950	10.00	37.26	37.95	43.36	52.67	74	-21.33	Vertical			
10360.000	9.92	37.13	37.89	44.44	53.60	74	-20.40	Vertical			
15540.000	12.97	39.38	41.17	42.28	53.46	74	-20.54	Vertical			
3328.542	7.30	32.59	38.66	46.14	47.37	74	-26.63	Horizontal			
5172.247	7.00	34.86	39.28	47.01	49.59	74	-24.41	Horizontal			
7115.250	8.80	35.71	39.07	48.16	53.60	74	-20.40	Horizontal			
9597.131	9.99	37.29	37.94	43.47	52.81	74	-21.19	Horizontal			
10360.000	9.92	37.13	37.89	43.23	52.39	74	-21.61	Horizontal			
15540.000	12.97	39.38	41.17	40.86	52.04	74	-21.96	Horizontal			

Test mode:		802.11ac(HT20)		Test channel:		40		Remark:		Peak	
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Polarization			
3666.690	6.87	33.05	38.81	47.37	48.48	74	-25.52	Vertical			
5200.124	7.02	34.85	39.27	46.03	48.63	74	-25.37	Vertical			
7217.975	8.94	35.62	39.07	47.37	52.86	74	-21.14	Vertical			
9494.509	10.05	37.11	38.00	42.47	51.63	74	-22.37	Vertical			
10400.000	9.94	37.02	37.92	42.63	51.67	74	-22.33	Vertical			
15600.000	12.97	39.50	41.19	41.50	52.78	74	-21.22	Vertical			
3786.875	6.80	33.14	38.86	44.63	45.71	74	-28.29	Horizontal			
4823.156	6.46	34.72	39.24	45.20	47.14	74	-26.86	Horizontal			
7179.280	8.89	35.66	39.07	45.74	51.22	74	-22.78	Horizontal			
9735.688	9.92	37.72	37.86	42.46	52.24	74	-21.76	Horizontal			
10400.000	9.94	37.02	37.92	43.82	52.86	74	-21.14	Horizontal			
15600.000	12.97	39.50	41.19	41.22	52.50	74	-21.50	Horizontal			

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Test mode:		802.11ac(HT20)		Test channel:		48		Remark:		Peak	
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization			
3827.805	6.78	33.20	38.88	45.92	47.02	74	-26.98	Vertical			
4763.041	6.33	34.68	39.22	46.40	48.19	74	-25.81	Vertical			
6718.763	8.27	35.75	39.11	47.94	52.85	74	-21.15	Vertical			
9160.296	9.85	36.41	38.21	43.02	51.07	74	-22.93	Vertical			
10480.000	9.97	37.30	37.96	44.40	53.71	74	-20.29	Vertical			
15720.000	12.96	39.74	41.23	41.98	53.45	74	-20.55	Vertical			
3165.671	7.63	32.17	38.58	46.25	47.47	74	-26.53	Horizontal			
4910.354	6.65	34.81	39.27	46.47	48.66	74	-25.34	Horizontal			
7754.279	9.37	35.62	39.02	45.80	51.77	74	-22.23	Horizontal			
9477.513	10.04	37.08	38.01	42.65	51.76	74	-22.24	Horizontal			
10480.000	9.97	37.30	37.96	44.13	53.44	74	-20.56	Horizontal			
15720.000	12.96	39.74	41.23	41.04	52.51	74	-21.49	Horizontal			

Test mode:		802.11ac(HT20)		Test channel:		149		Remark:		Peak
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Polarization		
3563.065	6.93	32.96	38.77	46.65	47.77	74	-26.23	Vertical		
4875.288	6.57	34.78	39.26	47.14	49.23	74	-24.77	Vertical		
7243.887	8.97	35.59	39.06	47.79	53.29	74	-20.71	Vertical		
9597.131	9.99	37.29	37.94	43.76	53.10	74	-20.90	Vertical		
11490.000	10.39	38.22	38.46	43.22	53.37	74	-20.63	Vertical		
17235.000	16.31	41.01	41.69	37.37	53.00	74	-21.00	Vertical		
3608.036	6.91	33.01	38.79	45.95	47.08	74	-26.92	Horizontal		
4603.619	5.97	34.58	39.17	47.23	48.61	74	-25.39	Horizontal		
6355.748	8.00	35.88	39.15	47.47	52.20	74	-21.80	Horizontal		
8405.396	9.59	35.81	38.71	44.91	51.60	74	-22.40	Horizontal		
11490.000	10.39	38.22	38.46	42.57	52.72	74	-21.28	Horizontal		
17235.000	16.31	41.01	41.69	36.52	52.15	74	-21.85	Horizontal		

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Test mode:		802.11ac(HT20)		Test channel:		157		Remark:		Peak	
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization			
3165.671	7.63	32.17	38.58	45.29	46.51	74	-27.49	Vertical			
4670.083	6.12	34.62	39.19	47.89	49.44	74	-24.56	Vertical			
7295.991	9.04	35.53	39.06	46.28	51.79	74	-22.21	Vertical			
9545.682	10.02	37.20	37.97	43.24	52.49	74	-21.51	Vertical			
11570.000	10.42	38.28	38.50	43.10	53.30	74	-20.70	Vertical			
17355.000	16.08	40.96	41.72	37.15	52.47	74	-21.53	Vertical			
3660.126	6.88	33.05	38.81	46.20	47.32	74	-26.68	Horizontal			
4578.940	5.91	34.55	39.16	46.40	47.70	74	-26.30	Horizontal			
6742.883	8.30	35.76	39.11	48.16	53.11	74	-20.89	Horizontal			
9094.878	9.82	36.24	38.25	45.50	53.31	74	-20.69	Horizontal			
11570.000	10.42	38.28	38.50	43.08	53.28	74	-20.72	Horizontal			
17355.000	16.08	40.96	41.72	37.84	53.16	74	-20.84	Horizontal			

Test mode:		802.11ac(HT20)		Test channel:		165		Remark:		Peak	
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Polarization			
3588.694	6.92	32.99	38.78	44.68	45.81	74	-28.19	Vertical			
4892.790	6.61	34.79	39.27	46.32	48.45	74	-25.55	Vertical			
7295.991	9.04	35.53	39.06	46.08	51.59	74	-22.41	Vertical			
9597.131	9.99	37.29	37.94	43.64	52.98	74	-21.02	Vertical			
11650.000	10.46	38.35	38.54	42.78	53.05	74	-20.95	Vertical			
17475.000	15.86	40.91	41.75	37.76	52.78	74	-21.22	Vertical			
3316.635	7.32	32.56	38.66	45.19	46.41	74	-27.59	Horizontal			
4754.514	6.31	34.67	39.22	47.20	48.96	74	-25.04	Horizontal			
7217.975	8.94	35.62	39.07	47.66	53.15	74	-20.85	Horizontal			
9460.546	10.03	37.05	38.02	42.88	51.94	74	-22.06	Horizontal			
11650.000	10.46	38.35	38.54	41.76	52.03	74	-21.97	Horizontal			
17475.000	15.86	40.91	41.75	38.36	53.38	74	-20.62	Horizontal			



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Test mode:		802.11ac(HT40)		Test channel:		38		Remark:		Peak	
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization			
3425.346	7.11	32.81	38.71	47.37	48.58	74	-25.42	Vertical			
4703.674	6.20	34.64	39.20	47.87	49.51	74	-24.49	Vertical			
7243.887	8.97	35.59	39.06	47.48	52.98	74	-21.02	Vertical			
9494.509	10.05	37.11	38.00	43.28	52.44	74	-21.56	Vertical			
10380.000	9.93	37.07	37.90	44.03	53.13	74	-20.87	Vertical			
15570.000	12.97	39.44	41.18	41.58	52.81	74	-21.19	Vertical			
3746.382	6.83	33.11	38.85	46.45	47.54	74	-26.46	Horizontal			
5181.522	7.00	34.85	39.28	47.41	49.98	74	-24.02	Horizontal			
7282.930	9.02	35.55	39.06	46.80	52.31	74	-21.69	Horizontal			
9597.131	9.99	37.29	37.94	42.89	52.23	74	-21.77	Horizontal			
10380.000	9.93	37.07	37.90	44.74	53.84	74	-20.16	Horizontal			
15570.000	12.97	39.44	41.18	41.22	52.45	74	-21.55	Horizontal			

Test mode:		802.11ac(HT40)		Test channel:		46		Remark:		Peak	
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Polarization			
3304.771	7.35	32.53	38.65	45.30	46.53	74	-27.47	Vertical			
4945.674	6.72	34.85	39.28	48.07	50.36	74	-23.64	Vertical			
8696.472	9.68	35.93	38.51	41.40	48.50	74	-25.50	Vertical			
9597.131	9.99	37.29	37.94	42.31	51.65	74	-22.35	Vertical			
10460.000	9.96	37.23	37.95	44.30	53.54	74	-20.46	Vertical			
15690.000	12.96	39.68	41.22	42.07	53.49	74	-20.51	Vertical			
3246.085	7.46	32.38	38.62	46.36	47.58	74	-26.42	Horizontal			
4695.254	6.18	34.64	39.20	48.01	49.63	74	-24.37	Horizontal			
7740.397	9.36	35.61	39.02	47.69	53.64	74	-20.36	Horizontal			
9325.905	9.95	36.78	38.11	43.05	51.67	74	-22.33	Horizontal			
10460.000	9.96	37.23	37.95	43.89	53.13	74	-20.87	Horizontal			
15690.000	12.96	39.68	41.22	40.92	52.34	74	-21.66	Horizontal			

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Test mode:		802.11ac(HT40)		Test channel:		151		Remark:	Peak
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	
3143.064	7.67	32.12	38.57	47.07	48.29	74	-25.71	Vertical	
4805.903	6.42	34.71	39.24	47.07	48.96	74	-25.04	Vertical	
7796.073	9.38	35.66	39.02	45.87	51.89	74	-22.11	Vertical	
9528.594	10.03	37.17	37.98	43.77	52.99	74	-21.01	Vertical	
11510.000	10.39	38.23	38.47	42.02	52.17	74	-21.83	Vertical	
17625.000	15.58	40.93	41.80	37.13	51.84	74	-22.16	Vertical	
3425.346	7.11	32.81	38.71	46.54	47.75	74	-26.25	Horizontal	
4433.618	5.85	34.31	39.11	47.35	48.40	74	-25.60	Horizontal	
7630.237	9.34	35.51	39.03	44.24	50.06	74	-23.94	Horizontal	
9460.546	10.03	37.05	38.02	44.23	53.29	74	-20.71	Horizontal	
11510.000	10.39	38.23	38.47	42.28	52.43	74	-21.57	Horizontal	
17265.000	16.25	40.99	41.69	37.60	53.15	74	-20.85	Horizontal	

Test mode:		802.11ac(HT40)		Test channel:		159		Remark:	Peak
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Polarization	
3346.482	7.26	32.64	38.67	45.39	46.62	74	-27.38	Vertical	
4771.583	6.35	34.68	39.23	45.38	47.18	74	-26.82	Vertical	
7309.075	9.06	35.52	39.06	45.55	51.07	74	-22.93	Vertical	
9443.610	10.02	37.02	38.03	40.74	49.75	74	-24.25	Vertical	
11590.000	10.43	38.29	38.51	42.58	52.79	74	-21.21	Vertical	
17385.000	16.03	40.95	41.73	37.53	52.78	74	-21.22	Vertical	
3177.036	7.60	32.20	38.59	46.98	48.19	74	-25.81	Horizontal	
4489.576	5.75	34.41	39.13	46.04	47.07	74	-26.93	Horizontal	
7657.630	9.35	35.53	39.03	45.14	50.99	74	-23.01	Horizontal	
9460.546	10.03	37.05	38.02	43.50	52.56	74	-21.44	Horizontal	
11590.000	10.43	38.29	38.51	42.30	52.51	74	-21.49	Horizontal	
17385.000	16.03	40.95	41.73	37.45	52.70	74	-21.30	Horizontal	

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Test mode:		802.11ac(HT80)		Test channel:		42		Remark:		Peak	
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization			
3481.030	7.01	32.87	38.73	46.96	48.11	74	-25.89	Vertical			
4771.583	6.35	34.68	39.23	47.81	49.61	74	-24.39	Vertical			
7838.091	9.39	35.69	39.01	44.44	50.51	74	-23.49	Vertical			
9494.509	10.05	37.11	38.00	42.87	52.03	74	-21.97	Vertical			
10420.000	9.95	37.09	37.93	43.06	52.17	74	-21.83	Vertical			
15630.000	12.97	39.56	41.20	40.85	52.18	74	-21.82	Vertical			
3679.853	6.86	33.06	38.82	46.05	47.15	74	-26.85	Horizontal			
4823.156	6.46	34.72	39.24	47.71	49.65	74	-24.35	Horizontal			
7414.599	9.20	35.42	39.05	45.00	50.57	74	-23.43	Horizontal			
9275.910	9.92	36.67	38.14	42.43	50.88	74	-23.12	Horizontal			
10420.000	9.95	37.09	37.93	44.31	53.42	74	-20.58	Horizontal			
15630.000	12.97	39.56	41.20	41.31	52.64	74	-21.36	Horizontal			

Test mode:		802.11ac(HT80)		Test channel:		155		Remark:		Peak	
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Polarization			
3759.831	6.82	33.12	38.85	46.20	47.29	74	-26.71	Vertical			
4805.903	6.42	34.71	39.24	46.70	48.59	74	-25.41	Vertical			
7937.019	9.41	35.76	39.01	41.83	47.99	74	-26.01	Vertical			
9511.536	10.04	37.14	37.99	42.09	51.28	74	-22.72	Vertical			
11550.000	10.41	38.26	38.49	42.06	52.24	74	-21.76	Vertical			
17325.000	16.14	40.97	41.71	36.84	52.24	74	-21.76	Vertical			
3759.831	6.82	33.12	38.85	47.01	48.10	74	-25.90	Horizontal			
5080.398	6.91	34.88	39.29	47.00	49.50	74	-24.50	Horizontal			
8153.229	9.49	35.84	38.89	42.88	49.32	74	-24.68	Horizontal			
9597.131	9.99	37.29	37.94	43.64	52.98	74	-21.02	Horizontal			
11550.000	10.41	38.26	38.49	42.34	52.52	74	-21.48	Horizontal			
17325.000	16.14	40.97	41.71	37.76	53.16	74	-20.84	Horizontal			

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For adapter No.: SW36-1200300-W1								
Test mode:		802.11a		Test channel:		36		Remark:
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3679.853	6.86	33.06	38.82	45.74	46.84	74	-27.16	Vertical
4840.471	6.50	34.74	39.25	46.43	48.42	74	-25.58	Vertical
7657.630	9.35	35.53	39.03	45.14	50.99	74	-23.01	Vertical
9545.682	10.02	37.20	37.97	43.10	52.35	74	-21.65	Vertical
10360.000	9.92	37.13	37.89	41.96	51.12	74	-22.88	Vertical
15540.000	12.97	39.38	41.17	40.20	51.38	74	-22.62	Vertical
3487.273	6.99	32.88	38.74	46.49	47.62	74	-26.38	Horizontal
4831.806	6.48	34.73	39.25	46.90	48.86	74	-25.14	Horizontal
6864.788	8.46	35.78	39.10	48.20	53.34	74	-20.66	Horizontal
9683.496	9.95	37.56	37.89	42.93	52.55	74	-21.45	Horizontal
10360.000	9.92	37.13	37.89	43.23	52.39	74	-21.61	Horizontal
15540.000	12.97	39.38	41.17	41.42	52.60	74	-21.40	Horizontal

Test mode:		802.11a		Test channel:		40		Remark:
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Polarization
3706.322	6.85	33.08	38.83	47.83	48.93	74	-25.07	Vertical
4780.140	6.37	34.69	39.23	46.41	48.24	74	-25.76	Vertical
6976.386	8.61	35.80	39.09	48.55	53.87	74	-20.13	Vertical
9511.536	10.04	37.14	37.99	43.03	52.22	74	-21.78	Vertical
10400.000	9.94	37.02	37.92	42.36	51.40	74	-22.60	Vertical
15600.000	12.97	39.50	41.19	41.59	52.87	74	-21.13	Vertical
3543.964	6.94	32.94	38.76	44.78	45.90	74	-28.10	Horizontal
4780.140	6.37	34.69	39.23	45.03	46.86	74	-27.14	Horizontal
7768.185	9.37	35.63	39.02	43.38	49.36	74	-24.64	Horizontal
9562.801	10.01	37.23	37.96	43.15	52.43	74	-21.57	Horizontal
10400.000	9.94	37.02	37.92	41.93	50.97	74	-23.03	Horizontal
15600.000	12.97	39.50	41.19	41.32	52.60	74	-21.40	Horizontal

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Test mode:		802.11a		Test channel:		48		Remark:		Peak	
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization			
3376.597	7.21	32.72	38.69	46.30	47.54	74	-26.46	Vertical			
4729.026	6.25	34.66	39.21	48.14	49.84	74	-24.16	Vertical			
8405.396	9.59	35.81	38.71	43.73	50.42	74	-23.58	Vertical			
9597.131	9.99	37.29	37.94	43.28	52.62	74	-21.38	Vertical			
10480.000	9.97	37.30	37.96	42.98	52.29	74	-21.71	Vertical			
15720.000	12.96	39.74	41.23	41.27	52.74	74	-21.26	Vertical			
3660.126	6.88	33.05	38.81	47.53	48.65	74	-25.35	Horizontal			
4805.903	6.42	34.71	39.24	46.65	48.54	74	-25.46	Horizontal			
8109.521	9.47	35.83	38.92	44.06	50.44	74	-23.56	Horizontal			
9511.536	10.04	37.14	37.99	44.03	53.22	74	-20.78	Horizontal			
10480.000	9.97	37.30	37.96	43.26	52.57	74	-21.43	Horizontal			
15720.000	12.96	39.74	41.23	41.46	52.93	74	-21.07	Horizontal			

Test mode:		802.11a		Test channel:		149		Remark:		Peak	
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Polarization			
3456.171	7.05	32.84	38.72	47.72	48.89	74	-25.11	Vertical			
5017.076	6.86	34.90	39.30	48.86	51.32	74	-22.68	Vertical			
7712.709	9.36	35.58	39.02	47.66	53.58	74	-20.42	Vertical			
9511.536	10.04	37.14	37.99	44.20	53.39	74	-20.61	Vertical			
11490.000	10.39	38.22	38.46	43.09	53.24	74	-20.76	Vertical			
17235.000	16.31	41.01	41.69	37.37	53.00	74	-21.00	Vertical			
3419.214	7.12	32.80	38.70	48.14	49.36	74	-24.64	Horizontal			
4892.790	6.61	34.79	39.27	48.18	50.31	74	-23.69	Horizontal			
7796.073	9.38	35.66	39.02	46.57	52.59	74	-21.41	Horizontal			
9309.210	9.94	36.75	38.12	42.38	50.95	74	-23.05	Horizontal			
11490.000	10.39	38.22	38.46	42.05	52.20	74	-21.80	Horizontal			
17235.000	16.31	41.01	41.69	36.76	52.39	74	-21.61	Horizontal			

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Test mode:		802.11a		Test channel:		157		Remark:		Peak	
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization			
3346.482	7.26	32.64	38.67	46.91	48.14	74	-25.86	Vertical			
4595.378	5.95	34.57	39.17	47.93	49.28	74	-24.72	Vertical			
7671.363	9.35	35.54	39.03	45.96	51.82	74	-22.18	Vertical			
9094.878	9.82	36.24	38.25	44.88	52.69	74	-21.31	Vertical			
11570.000	10.42	38.28	38.50	42.51	52.71	74	-21.29	Vertical			
17355.000	16.08	40.96	41.72	37.27	52.59	74	-21.41	Vertical			
3275.297	7.40	32.45	38.64	47.05	48.26	74	-25.74	Horizontal			
4972.330	6.78	34.87	39.29	48.89	51.25	74	-22.75	Horizontal			
7838.091	9.39	35.69	39.01	45.30	51.37	74	-22.63	Horizontal			
9460.546	10.03	37.05	38.02	44.49	53.55	74	-20.45	Horizontal			
11570.000	10.42	38.28	38.50	42.01	52.21	74	-21.79	Horizontal			
17355.000	16.08	40.96	41.72	37.20	52.52	74	-21.48	Horizontal			

Test mode:		802.11a		Test channel:		165		Remark:		Peak	
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Polarization			
3275.297	7.40	32.45	38.64	46.80	48.01	74	-25.99	Vertical			
4661.723	6.10	34.62	39.19	48.38	49.91	74	-24.09	Vertical			
7852.148	9.39	35.70	39.01	44.19	50.27	74	-23.73	Vertical			
9342.630	9.96	36.82	38.10	42.17	50.85	74	-23.15	Vertical			
11650.000	10.46	38.35	38.54	42.30	52.57	74	-21.43	Vertical			
17475.000	15.86	40.91	41.75	38.18	53.20	74	-20.80	Vertical			
3456.171	7.05	32.84	38.72	48.22	49.39	74	-24.61	Horizontal			
4788.712	6.39	34.69	39.23	47.88	49.73	74	-24.27	Horizontal			
7838.091	9.39	35.69	39.01	44.21	50.28	74	-23.72	Horizontal			
9494.509	10.05	37.11	38.00	42.97	52.13	74	-21.87	Horizontal			
11650.000	10.46	38.35	38.54	42.43	52.70	74	-21.30	Horizontal			
17475.000	15.86	40.91	41.75	37.80	52.82	74	-21.18	Horizontal			

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Test mode:		802.11n(HT20)		Test channel:		36		Remark:		Peak	
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization			
3518.655	6.96	32.91	38.75	47.64	48.76	74	-25.24	Vertical			
4990.180	6.82	34.89	39.30	49.09	51.50	74	-22.50	Vertical			
7852.148	9.39	35.70	39.01	43.51	49.59	74	-24.41	Vertical			
9409.829	10.00	36.96	38.05	42.28	51.19	74	-22.81	Vertical			
10360.000	9.92	37.13	37.89	43.96	53.12	74	-20.88	Vertical			
15540.000	12.97	39.38	41.17	41.01	52.19	74	-21.81	Vertical			
3660.126	6.88	33.05	38.81	47.50	48.62	74	-25.38	Horizontal			
4788.712	6.39	34.69	39.23	48.18	50.03	74	-23.97	Horizontal			
7908.627	9.40	35.74	39.01	43.35	49.48	74	-24.52	Horizontal			
9443.610	10.02	37.02	38.03	43.76	52.77	74	-21.23	Horizontal			
10360.000	9.92	37.13	37.89	44.12	53.28	74	-20.72	Horizontal			
15540.000	12.97	39.38	41.17	41.48	52.66	74	-21.34	Horizontal			

Test mode:		802.11n(HT20)		Test channel:		40		Remark:		Peak	
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Polarization			
3493.527	6.98	32.88	38.74	47.71	48.83	74	-25.17	Vertical			
4981.247	6.80	34.88	39.29	48.86	51.25	74	-22.75	Vertical			
8008.444	9.42	35.80	38.99	43.37	49.60	74	-24.40	Vertical			
9443.610	10.02	37.02	38.03	42.94	51.95	74	-22.05	Vertical			
10400.000	9.94	37.02	37.92	43.53	52.57	74	-21.43	Vertical			
15600.000	12.97	39.50	41.19	41.86	53.14	74	-20.86	Vertical			
3382.653	7.19	32.74	38.69	46.96	48.20	74	-25.80	Horizontal			
4831.806	6.48	34.73	39.25	47.08	49.04	74	-24.96	Horizontal			
8022.806	9.43	35.81	38.98	44.09	50.35	74	-23.65	Horizontal			
9460.546	10.03	37.05	38.02	43.77	52.83	74	-21.17	Horizontal			
10400.000	9.94	37.02	37.92	43.37	52.41	74	-21.59	Horizontal			
15600.000	12.97	39.50	41.19	41.46	52.74	74	-21.26	Horizontal			

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Test mode:		802.11n(HT20)		Test channel:		48		Remark:		Peak	
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization			
3431.489	7.10	32.82	38.71	46.30	47.51	74	-26.49	Vertical			
4628.432	6.03	34.60	39.18	46.68	48.13	74	-25.87	Vertical			
7295.991	9.04	35.53	39.06	46.08	51.59	74	-22.41	Vertical			
9579.950	10.00	37.26	37.95	43.36	52.67	74	-21.33	Vertical			
10480.000	9.97	37.30	37.96	41.89	51.20	74	-22.80	Vertical			
15720.000	12.96	39.74	41.23	39.02	50.49	74	-23.51	Vertical			
3518.655	6.96	32.91	38.75	45.90	47.02	74	-26.98	Horizontal			
4746.002	6.29	34.67	39.22	47.52	49.26	74	-24.74	Horizontal			
7796.073	9.38	35.66	39.02	45.87	51.89	74	-22.11	Horizontal			
9683.496	9.95	37.56	37.89	42.93	52.55	74	-21.45	Horizontal			
10480.000	9.97	37.30	37.96	44.06	53.37	74	-20.63	Horizontal			
15720.000	12.96	39.74	41.23	41.37	52.84	74	-21.16	Horizontal			

Test mode:		802.11n(HT20)		Test channel:		149		Remark:		Peak	
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Polarization			
3620.989	6.90	33.02	38.79	46.18	47.31	74	-26.69	Vertical			
4857.848	6.54	34.76	39.25	47.46	49.51	74	-24.49	Vertical			
7335.314	9.09	35.49	39.06	45.93	51.45	74	-22.55	Vertical			
9376.170	9.98	36.89	38.08	42.51	51.30	74	-22.70	Vertical			
11490.000	10.39	38.22	38.46	42.88	53.03	74	-20.97	Vertical			
17235.000	16.31	41.01	41.69	37.81	53.44	74	-20.56	Vertical			
3647.033	6.88	33.04	38.81	45.95	47.06	74	-26.94	Horizontal			
4892.790	6.61	34.79	39.27	46.47	48.60	74	-25.40	Horizontal			
8300.632	9.55	35.83	38.79	41.58	48.17	74	-25.83	Horizontal			
9545.682	10.02	37.20	37.97	42.88	52.13	74	-21.87	Horizontal			
10480.000	9.97	37.30	37.96	43.29	52.60	74	-21.40	Horizontal			
15720.000	12.96	39.74	41.23	41.58	53.05	74	-20.95	Horizontal			

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Test mode:		802.11n(HT20)		Test channel:		157		Remark:		Peak	
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization			
3431.489	7.10	32.82	38.71	45.58	46.79	74	-27.21	Vertical			
4823.156	6.46	34.72	39.24	45.20	47.14	74	-26.86	Vertical			
7414.599	9.20	35.42	39.05	45.19	50.76	74	-23.24	Vertical			
9562.801	10.01	37.23	37.96	43.15	52.43	74	-21.57	Vertical			
11570.000	10.42	38.28	38.50	40.45	50.65	74	-23.35	Vertical			
17355.000	16.08	40.96	41.72	37.09	52.41	74	-21.59	Vertical			
3569.455	6.93	32.97	38.77	46.16	47.29	74	-26.71	Horizontal			
4712.109	6.22	34.65	39.21	47.67	49.33	74	-24.67	Horizontal			
7712.709	9.36	35.58	39.02	47.52	53.44	74	-20.56	Horizontal			
9494.509	10.05	37.11	38.00	43.28	52.44	74	-21.56	Horizontal			
11570.000	10.42	38.28	38.50	43.39	53.59	74	-20.41	Horizontal			
17355.000	16.08	40.96	41.72	37.94	53.26	74	-20.74	Horizontal			

Test mode:		802.11n(HT20)		Test channel:		165		Remark:		Peak	
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Polarization			
3481.030	7.01	32.87	38.73	47.22	48.37	74	-25.63	Vertical			
4857.848	6.54	34.76	39.25	47.05	49.10	74	-24.90	Vertical			
7361.648	9.13	35.46	39.05	47.04	52.58	74	-21.42	Vertical			
9511.536	10.04	37.14	37.99	44.03	53.22	74	-20.78	Vertical			
11650.000	10.46	38.35	38.54	42.15	52.42	74	-21.58	Vertical			
17475.000	15.86	40.91	41.75	38.03	53.05	74	-20.95	Vertical			
3358.496	7.24	32.67	38.68	46.27	47.50	74	-26.50	Horizontal			
4754.514	6.31	34.67	39.22	46.24	48.00	74	-26.00	Horizontal			
7295.991	9.04	35.53	39.06	46.57	52.08	74	-21.92	Horizontal			
9359.385	9.97	36.85	38.09	42.33	51.06	74	-22.94	Horizontal			
11650.000	10.46	38.35	38.54	41.98	52.25	74	-21.75	Horizontal			
17475.000	15.86	40.91	41.75	37.11	52.13	74	-21.87	Horizontal			

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Test mode:		802.11n(HT40)		Test channel:		38		Remark:		Peak	
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization			
3406.983	7.15	32.79	38.70	46.27	47.51	74	-26.49	Vertical			
4840.471	6.50	34.74	39.25	46.51	48.50	74	-25.50	Vertical			
7348.469	9.11	35.48	39.05	45.41	50.95	74	-23.05	Vertical			
9443.610	10.02	37.02	38.03	42.83	51.84	74	-22.16	Vertical			
10380.000	9.93	37.07	37.90	43.65	52.75	74	-21.25	Vertical			
15570.000	12.97	39.44	41.18	41.08	52.31	74	-21.69	Vertical			
3419.214	7.12	32.80	38.70	46.72	47.94	74	-26.06	Horizontal			
4771.583	6.35	34.68	39.23	47.27	49.07	74	-24.93	Horizontal			
7575.747	9.33	35.47	39.03	43.54	49.31	74	-24.69	Horizontal			
9460.546	10.03	37.05	38.02	43.35	52.41	74	-21.59	Horizontal			
10380.000	9.93	37.07	37.90	44.20	53.30	74	-20.70	Horizontal			
15570.000	12.97	39.44	41.18	42.36	53.59	74	-20.41	Horizontal			

Test mode:		802.11n(HT40)		Test channel:		46		Remark:		Peak	
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Polarization			
3443.808	7.08	32.83	38.72	46.23	47.42	74	-26.58	Vertical			
4746.002	6.29	34.67	39.22	47.49	49.23	74	-24.77	Vertical			
7414.599	9.20	35.42	39.05	44.81	50.38	74	-23.62	Vertical			
8965.441	9.75	35.99	38.34	41.86	49.26	74	-24.74	Vertical			
10460.000	9.96	37.23	37.95	42.73	51.97	74	-22.03	Vertical			
15690.000	12.96	39.68	41.22	40.90	52.32	74	-21.68	Vertical			
3582.269	6.92	32.98	38.78	45.83	46.95	74	-27.05	Horizontal			
4703.674	6.20	34.64	39.20	47.87	49.51	74	-24.49	Horizontal			
7374.850	9.15	35.45	39.05	44.99	50.54	74	-23.46	Horizontal			
9193.181	9.87	36.49	38.19	42.86	51.03	74	-22.97	Horizontal			
10460.000	9.96	37.23	37.95	43.47	52.71	74	-21.29	Horizontal			
15690.000	12.96	39.68	41.22	41.52	52.94	74	-21.06	Horizontal			



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Test mode:		802.11n(HT40)		Test channel:		151		Remark:		Peak	
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization			
3394.796	7.17	32.77	38.69	46.45	47.70	74	-26.30	Vertical			
4611.875	5.99	34.59	39.17	47.28	48.69	74	-25.31	Vertical			
7401.325	9.18	35.42	39.05	44.88	50.43	74	-23.57	Vertical			
9342.630	9.96	36.82	38.10	41.57	50.25	74	-23.75	Vertical			
11510.000	10.39	38.23	38.47	41.10	51.25	74	-22.75	Vertical			
17265.000	16.25	40.99	41.69	37.15	52.70	74	-21.30	Vertical			
3413.093	7.13	32.79	38.70	46.68	47.90	74	-26.10	Horizontal			
4919.161	6.67	34.82	39.27	47.68	49.90	74	-24.10	Horizontal			
7322.183	9.08	35.50	39.06	46.24	51.76	74	-22.24	Horizontal			
9275.910	9.92	36.67	38.14	42.49	50.94	74	-23.06	Horizontal			
11510.000	10.39	38.23	38.47	42.22	52.37	74	-21.63	Horizontal			
17265.000	16.25	40.99	41.69	36.67	52.22	74	-21.78	Horizontal			

Test mode:		802.11n(HT40)		Test channel:		159		Remark:		Peak	
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Polarization			
3406.983	7.15	32.79	38.70	46.39	47.63	74	-26.37	Vertical			
4570.743	5.89	34.53	39.16	46.87	48.13	74	-25.87	Vertical			
7374.850	9.15	35.45	39.05	44.77	50.32	74	-23.68	Vertical			
9614.342	9.98	37.34	37.93	42.47	51.86	74	-22.14	Vertical			
11590.000	10.43	38.29	38.51	42.73	52.94	74	-21.06	Vertical			
17385.000	16.03	40.95	41.73	37.21	52.46	74	-21.54	Vertical			
3543.964	6.94	32.94	38.76	44.78	45.90	74	-28.10	Horizontal			
4981.247	6.80	34.88	39.29	47.10	49.49	74	-24.51	Horizontal			
7852.148	9.39	35.70	39.01	43.66	49.74	74	-24.26	Horizontal			
9292.546	9.93	36.71	38.13	42.27	50.78	74	-23.22	Horizontal			
11590.000	10.43	38.29	38.51	41.10	51.31	74	-22.69	Horizontal			
17385.000	16.03	40.95	41.73	37.34	52.59	74	-21.41	Horizontal			

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Test mode:		802.11ac(HT20)		Test channel:		36		Remark:		Peak	
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization			
3588.694	6.92	32.99	38.78	45.96	47.09	74	-26.91	Vertical			
4771.583	6.35	34.68	39.23	47.27	49.07	74	-24.93	Vertical			
7282.930	9.02	35.55	39.06	47.02	52.53	74	-21.47	Vertical			
9193.181	9.87	36.49	38.19	42.86	51.03	74	-22.97	Vertical			
10360.000	9.92	37.13	37.89	43.55	52.71	74	-21.29	Vertical			
15540.000	12.97	39.38	41.17	40.94	52.12	74	-21.88	Vertical			
3499.792	6.97	32.89	38.74	45.42	46.54	74	-27.46	Horizontal			
4712.109	6.22	34.65	39.21	47.61	49.27	74	-24.73	Horizontal			
7768.185	9.37	35.63	39.02	45.28	51.26	74	-22.74	Horizontal			
9460.546	10.03	37.05	38.02	42.69	51.75	74	-22.25	Horizontal			
10360.000	9.92	37.13	37.89	43.19	52.35	74	-21.65	Horizontal			
15540.000	12.97	39.38	41.17	41.01	52.19	74	-21.81	Horizontal			

Test mode:		802.11ac(HT20)		Test channel:		40		Remark:		Peak	
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Polarization			
3443.808	7.08	32.83	38.72	46.23	47.42	74	-26.58	Vertical			
4620.146	6.01	34.59	39.18	47.21	48.63	74	-25.37	Vertical			
7427.896	9.22	35.43	39.05	44.22	49.82	74	-24.18	Vertical			
9376.170	9.98	36.89	38.08	42.22	51.01	74	-22.99	Vertical			
10400.000	9.94	37.02	37.92	44.16	53.20	74	-20.80	Vertical			
15600.000	12.97	39.50	41.19	40.99	52.27	74	-21.73	Vertical			
3524.966	6.96	32.92	38.75	46.62	47.75	74	-26.25	Horizontal			
4703.674	6.20	34.64	39.20	47.87	49.51	74	-24.49	Horizontal			
7454.562	9.25	35.44	39.05	45.06	50.70	74	-23.30	Horizontal			
8981.520	9.76	36.00	38.33	42.75	50.18	74	-23.82	Horizontal			
10400.000	9.94	37.02	37.92	44.09	53.13	74	-20.87	Horizontal			
15600.000	12.97	39.50	41.19	41.06	52.34	74	-21.66	Horizontal			

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Test mode:		802.11ac(HT20)		Test channel:		48		Remark:		Peak	
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization			
3431.489	7.10	32.82	38.71	46.30	47.51	74	-26.49	Vertical			
4771.583	6.35	34.68	39.23	47.22	49.02	74	-24.98	Vertical			
7374.850	9.15	35.45	39.05	44.77	50.32	74	-23.68	Vertical			
8790.468	9.71	35.96	38.45	42.86	50.08	74	-23.92	Vertical			
10480.000	9.97	37.30	37.96	42.11	51.42	74	-22.58	Vertical			
15720.000	12.96	39.74	41.23	40.87	52.34	74	-21.66	Vertical			
3653.574	6.88	33.04	38.81	46.33	47.44	74	-26.56	Horizontal			
4780.140	6.37	34.69	39.23	47.20	49.03	74	-24.97	Horizontal			
7269.892	9.01	35.56	39.06	47.26	52.77	74	-21.23	Horizontal			
9309.210	9.94	36.75	38.12	42.49	51.06	74	-22.94	Horizontal			
10480.000	9.97	37.30	37.96	42.48	51.79	74	-22.21	Horizontal			
15720.000	12.96	39.74	41.23	41.46	52.93	74	-21.07	Horizontal			

Test mode:		802.11ac(HT20)		Test channel:		149		Remark:		Peak	
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Polarization			
3524.966	6.96	32.92	38.75	45.58	46.71	74	-27.29	Vertical			
4823.156	6.46	34.72	39.24	46.35	48.29	74	-25.71	Vertical			
7217.975	8.94	35.62	39.07	47.14	52.63	74	-21.37	Vertical			
9275.910	9.92	36.67	38.14	42.56	51.01	74	-22.99	Vertical			
11490.000	10.39	38.22	38.46	42.60	52.75	74	-21.25	Vertical			
17235.000	16.31	41.01	41.69	36.74	52.37	74	-21.63	Vertical			
3647.033	6.88	33.04	38.81	44.47	45.58	74	-28.42	Horizontal			
4823.156	6.46	34.72	39.24	45.20	47.14	74	-26.86	Horizontal			
7401.325	9.18	35.42	39.05	43.90	49.45	74	-24.55	Horizontal			
9545.682	10.02	37.20	37.97	42.83	52.08	74	-21.92	Horizontal			
11490.000	10.39	38.22	38.46	42.71	52.86	74	-21.14	Horizontal			
17235.000	16.31	41.01	41.69	36.78	52.41	74	-21.59	Horizontal			

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Test mode:		802.11ac(HT20)		Test channel:		157		Remark:		Peak	
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization			
3569.455	6.93	32.97	38.77	46.20	47.33	74	-26.67	Vertical			
4866.560	6.56	34.77	39.26	47.36	49.43	74	-24.57	Vertical			
7685.120	9.35	35.56	39.03	46.30	52.18	74	-21.82	Vertical			
9460.546	10.03	37.05	38.02	44.03	53.09	74	-20.91	Vertical			
11570.000	10.42	38.28	38.50	42.71	52.91	74	-21.09	Vertical			
17355.000	16.08	40.96	41.72	37.55	52.87	74	-21.13	Vertical			
3706.322	6.85	33.08	38.83	47.47	48.57	74	-25.43	Horizontal			
4840.471	6.50	34.74	39.25	47.87	49.86	74	-24.14	Horizontal			
7796.073	9.38	35.66	39.02	47.15	53.17	74	-20.83	Horizontal			
9409.829	10.00	36.96	38.05	43.23	52.14	74	-21.86	Horizontal			
11570.000	10.42	38.28	38.50	41.98	52.18	74	-21.82	Horizontal			
17355.000	16.08	40.96	41.72	37.26	52.58	74	-21.42	Horizontal			

Test mode:		802.11ac(HT20)		Test channel:		165		Remark:		Peak	
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Polarization			
3352.483	7.25	32.66	38.67	46.49	47.73	74	-26.27	Vertical			
4670.083	6.12	34.62	39.19	47.43	48.98	74	-25.02	Vertical			
7335.314	9.09	35.49	39.06	45.28	50.80	74	-23.20	Vertical			
9392.984	9.99	36.93	38.06	42.30	51.16	74	-22.84	Vertical			
11650.000	10.46	38.35	38.54	43.31	53.58	74	-20.42	Vertical			
17475.000	15.86	40.91	41.75	38.42	53.44	74	-20.56	Vertical			
3499.792	6.97	32.89	38.74	47.08	48.20	74	-25.80	Horizontal			
4703.674	6.20	34.64	39.20	49.49	51.13	74	-22.87	Horizontal			
7838.091	9.39	35.69	39.01	45.51	51.58	74	-22.42	Horizontal			
9392.984	9.99	36.93	38.06	42.95	51.81	74	-22.19	Horizontal			
11650.000	10.46	38.35	38.54	42.96	53.23	74	-20.77	Horizontal			
17475.000	15.86	40.91	41.75	38.47	53.49	74	-20.51	Horizontal			

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Test mode:		802.11ac(HT40)		Test channel:		38		Remark:		Peak	
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization			
3537.620	6.95	32.93	38.76	47.13	48.25	74	-25.75	Vertical			
4805.903	6.42	34.71	39.24	48.06	49.95	74	-24.05	Vertical			
7508.180	9.31	35.45	39.04	44.45	50.17	74	-23.83	Vertical			
9242.729	9.90	36.60	38.16	42.12	50.46	74	-23.54	Vertical			
10380.000	9.93	37.07	37.90	43.87	52.97	74	-21.03	Vertical			
15570.000	12.97	39.44	41.18	40.86	52.09	74	-21.91	Vertical			
3419.214	7.12	32.80	38.70	47.36	48.58	74	-25.42	Horizontal			
4754.514	6.31	34.67	39.22	47.74	49.50	74	-24.50	Horizontal			
7866.230	9.39	35.71	39.01	43.24	49.33	74	-24.67	Horizontal			
9494.509	10.05	37.11	38.00	43.47	52.63	74	-21.37	Horizontal			
10380.000	9.93	37.07	37.90	43.61	52.71	74	-21.29	Horizontal			
15570.000	12.97	39.44	41.18	42.02	53.25	74	-20.75	Horizontal			

Test mode:		802.11ac(HT40)		Test channel:		46		Remark:		Peak	
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Polarization			
3518.655	6.96	32.91	38.75	45.92	47.04	74	-26.96	Vertical			
4754.514	6.31	34.67	39.22	46.49	48.25	74	-25.75	Vertical			
7712.709	9.36	35.58	39.02	46.84	52.76	74	-21.24	Vertical			
9359.385	9.97	36.85	38.09	40.94	49.67	74	-24.33	Vertical			
10460.000	9.96	37.23	37.95	43.34	52.58	74	-21.42	Vertical			
15690.000	12.96	39.68	41.22	40.59	52.01	74	-21.99	Vertical			
3257.739	7.44	32.41	38.63	47.56	48.78	74	-25.22	Horizontal			
4670.083	6.12	34.62	39.19	48.63	50.18	74	-23.82	Horizontal			
7361.648	9.13	35.46	39.05	45.31	50.85	74	-23.15	Horizontal			
9392.984	9.99	36.93	38.06	42.44	51.30	74	-22.70	Horizontal			
10460.000	9.96	37.23	37.95	43.33	52.57	74	-21.43	Horizontal			
15690.000	12.96	39.68	41.22	41.89	53.31	74	-20.69	Horizontal			

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Test mode:		802.11ac(HT40)		Test channel:		151		Remark:		Peak	
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization			
3462.369	7.04	32.85	38.72	47.42	48.59	74	-25.41	Vertical			
4578.940	5.91	34.55	39.16	47.49	48.79	74	-25.21	Vertical			
7256.878	8.99	35.58	39.06	47.95	53.46	74	-20.54	Vertical			
9209.667	9.88	36.53	38.18	43.67	51.90	74	-22.10	Vertical			
11510.000	10.39	38.23	38.47	42.90	53.05	74	-20.95	Vertical			
17265.000	16.25	40.99	41.69	38.26	53.81	74	-20.19	Vertical			
3569.455	6.93	32.97	38.77	46.20	47.33	74	-26.67	Horizontal			
4754.514	6.31	34.67	39.22	47.35	49.11	74	-24.89	Horizontal			
7852.148	9.39	35.70	39.01	43.74	49.82	74	-24.18	Horizontal			
9511.536	10.04	37.14	37.99	43.76	52.95	74	-21.05	Horizontal			
11510.000	10.39	38.23	38.47	42.41	52.56	74	-21.44	Horizontal			
17265.000	16.25	40.99	41.69	36.79	52.34	74	-21.66	Horizontal			

Test mode:		802.11ac(HT40)		Test channel:		159		Remark:		Peak	
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Polarization			
3394.796	7.17	32.77	38.69	48.40	49.65	74	-24.35	Vertical			
4695.254	6.18	34.64	39.20	49.54	51.16	74	-22.84	Vertical			
7671.363	9.35	35.54	39.03	46.66	52.52	74	-21.48	Vertical			
9392.984	9.99	36.93	38.06	43.54	52.40	74	-21.60	Vertical			
11590.000	10.43	38.29	38.51	42.94	53.15	74	-20.85	Vertical			
17385.000	16.03	40.95	41.73	37.67	52.92	74	-21.08	Vertical			
3653.574	6.88	33.04	38.81	46.42	47.53	74	-26.47	Horizontal			
4712.109	6.22	34.65	39.21	47.52	49.18	74	-24.82	Horizontal			
7535.134	9.32	35.46	39.04	43.57	49.31	74	-24.69	Horizontal			
9494.509	10.05	37.11	38.00	43.15	52.31	74	-21.69	Horizontal			
11590.000	10.43	38.29	38.51	42.82	53.03	74	-20.97	Horizontal			
17385.000	16.03	40.95	41.73	37.15	52.40	74	-21.60	Horizontal			

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Test mode:		802.11ac(HT80)		Test channel:		42		Remark:		Peak	
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization			
3310.698	7.33	32.55	38.65	45.75	46.98	74	-27.02	Vertical			
4831.806	6.48	34.73	39.25	47.44	49.40	74	-24.60	Vertical			
7768.185	9.37	35.63	39.02	46.89	52.87	74	-21.13	Vertical			
9477.513	10.04	37.08	38.01	44.07	53.18	74	-20.82	Vertical			
10420.000	9.95	37.09	37.93	44.29	53.40	74	-20.60	Vertical			
15630.000	12.97	39.56	41.20	42.38	53.71	74	-20.29	Vertical			
3543.964	6.94	32.94	38.76	47.20	48.32	74	-25.68	Horizontal			
4972.330	6.78	34.87	39.29	48.73	51.09	74	-22.91	Horizontal			
7796.073	9.38	35.66	39.02	47.15	53.17	74	-20.83	Horizontal			
9477.513	10.04	37.08	38.01	43.87	52.98	74	-21.02	Horizontal			
10420.000	9.95	37.09	37.93	43.41	52.52	74	-21.48	Horizontal			
15630.000	12.97	39.56	41.20	42.23	53.56	74	-20.44	Horizontal			

Test mode:		802.11ac(HT80)		Test channel:		155		Remark:		Peak	
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Polarization			
3334.511	7.29	32.61	38.67	45.69	46.92	74	-27.08	Vertical			
4628.432	6.03	34.60	39.18	48.35	49.80	74	-24.20	Vertical			
7295.991	9.04	35.53	39.06	46.79	52.30	74	-21.70	Vertical			
9579.950	10.00	37.26	37.95	43.55	52.86	74	-21.14	Vertical			
11550.000	10.41	38.26	38.49	42.41	52.59	74	-21.41	Vertical			
17325.000	16.14	40.97	41.71	37.63	53.03	74	-20.97	Vertical			
3419.214	7.12	32.80	38.70	48.14	49.36	74	-24.64	Horizontal			
4814.522	6.44	34.71	39.24	47.70	49.61	74	-24.39	Horizontal			
7685.120	9.35	35.56	39.03	47.42	53.30	74	-20.70	Horizontal			
9460.546	10.03	37.05	38.02	43.81	52.87	74	-21.13	Horizontal			
11550.000	10.41	38.26	38.49	42.21	52.39	74	-21.61	Horizontal			
17325.000	16.14	40.97	41.71	38.09	53.49	74	-20.51	Horizontal			

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For adapter No.: WHF-1200300T3								
Test mode:		802.11a		Test channel:		36		Remark:
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3910.999	6.74	33.35	38.92	45.84	47.01	74	-26.99	Vertical
4884.031	6.59	34.79	39.26	46.26	48.38	74	-25.62	Vertical
7282.930	9.02	35.55	39.06	46.27	51.78	74	-22.22	Vertical
9292.546	9.93	36.71	38.13	42.92	51.43	74	-22.57	Vertical
10360.000	9.92	37.13	37.89	42.26	51.42	74	-22.58	Vertical
15540.000	12.97	39.38	41.17	41.60	52.78	74	-21.22	Vertical
3627.482	6.89	33.02	38.80	45.77	46.88	74	-27.12	Horizontal
4763.041	6.33	34.68	39.22	47.49	49.28	74	-24.72	Horizontal
7361.648	9.13	35.46	39.05	44.58	50.12	74	-23.88	Horizontal
9242.729	9.90	36.60	38.16	42.52	50.86	74	-23.14	Horizontal
10360.000	9.92	37.13	37.89	42.96	52.12	74	-21.88	Horizontal
15540.000	12.97	39.38	41.17	41.59	52.77	74	-21.23	Horizontal

Test mode:		802.11a		Test channel:		40		Remark:
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Polarization
3468.578	7.03	32.86	38.73	45.81	46.97	74	-27.03	Vertical
4409.850	5.89	34.28	39.10	46.85	47.92	74	-26.08	Vertical
7295.991	9.04	35.53	39.06	46.57	52.08	74	-21.92	Vertical
9359.385	9.97	36.85	38.09	42.33	51.06	74	-22.94	Vertical
10400.000	9.94	37.02	37.92	43.47	52.51	74	-21.49	Vertical
15600.000	12.97	39.50	41.19	41.59	52.87	74	-21.13	Vertical
3946.194	6.72	33.41	38.93	43.45	44.65	74	-29.35	Horizontal
4866.560	6.56	34.77	39.26	44.96	47.03	74	-26.97	Horizontal
7205.054	8.92	35.63	39.07	45.95	51.43	74	-22.57	Horizontal
9614.342	9.98	37.34	37.93	41.01	50.40	74	-23.60	Horizontal
10400.000	9.94	37.02	37.92	43.82	52.86	74	-21.14	Horizontal
15600.000	12.97	39.50	41.19	41.45	52.73	74	-21.27	Horizontal

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Test mode:		802.11a		Test channel:		48		Remark:		Peak	
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization			
3746.382	6.83	33.11	38.85	47.79	48.88	74	-25.12	Vertical			
4695.254	6.18	34.64	39.20	48.11	49.73	74	-24.27	Vertical			
7454.562	9.25	35.44	39.05	44.66	50.30	74	-23.70	Vertical			
9511.536	10.04	37.14	37.99	43.76	52.95	74	-21.05	Vertical			
10480.000	9.97	37.30	37.96	44.12	53.43	74	-20.57	Vertical			
15720.000	12.96	39.74	41.23	41.31	52.78	74	-21.22	Vertical			
3693.064	6.86	33.07	38.83	47.68	48.78	74	-25.22	Horizontal			
4746.002	6.29	34.67	39.22	48.22	49.96	74	-24.04	Horizontal			
8066.047	9.45	35.82	38.95	44.36	50.68	74	-23.32	Horizontal			
9275.910	9.92	36.67	38.14	43.26	51.71	74	-22.29	Horizontal			
10480.000	9.97	37.30	37.96	43.46	52.77	74	-21.23	Horizontal			
15720.000	12.96	39.74	41.23	41.81	53.28	74	-20.72	Horizontal			

Test mode:		802.11a		Test channel:		149		Remark:		Peak	
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Polarization			
3627.482	6.89	33.02	38.80	45.61	46.72	74	-27.28	Vertical			
4578.940	5.91	34.55	39.16	47.11	48.41	74	-25.59	Vertical			
7335.314	9.09	35.49	39.06	45.28	50.80	74	-23.20	Vertical			
9545.682	10.02	37.20	37.97	43.37	52.62	74	-21.38	Vertical			
11490.000	10.39	38.22	38.46	42.44	52.59	74	-21.41	Vertical			
17235.000	16.31	41.01	41.69	37.31	52.94	74	-21.06	Vertical			
3481.030	7.01	32.87	38.73	47.16	48.31	74	-25.69	Horizontal			
4603.619	5.97	34.58	39.17	47.69	49.07	74	-24.93	Horizontal			
7589.333	9.33	35.48	39.03	44.27	50.05	74	-23.95	Horizontal			
9309.210	9.94	36.75	38.12	42.56	51.13	74	-22.87	Horizontal			
11490.000	10.39	38.22	38.46	43.57	53.72	74	-20.28	Horizontal			
17235.000	16.31	41.01	41.69	37.15	52.78	74	-21.22	Horizontal			

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Test mode:		802.11a		Test channel:		157		Remark:		Peak	
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization			
3666.690	6.87	33.05	38.81	47.58	48.69	74	-25.31	Vertical			
4788.712	6.39	34.69	39.23	47.94	49.79	74	-24.21	Vertical			
7922.810	9.40	35.75	39.01	42.90	49.04	74	-24.96	Vertical			
9460.546	10.03	37.05	38.02	43.77	52.83	74	-21.17	Vertical			
11570.000	10.42	38.28	38.50	41.88	52.08	74	-21.92	Vertical			
17355.000	16.08	40.96	41.72	37.41	52.73	74	-21.27	Vertical			
3620.989	6.90	33.02	38.79	46.99	48.12	74	-25.88	Horizontal			
4875.288	6.57	34.78	39.26	47.82	49.91	74	-24.09	Horizontal			
7880.337	9.39	35.72	39.01	43.57	49.67	74	-24.33	Horizontal			
9443.610	10.02	37.02	38.03	43.76	52.77	74	-21.23	Horizontal			
11570.000	10.42	38.28	38.50	42.08	52.28	74	-21.72	Horizontal			
17355.000	16.08	40.96	41.72	36.89	52.21	74	-21.79	Horizontal			

Test mode:		802.11a		Test channel:		165		Remark:		Peak
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Polarization		
3425.346	7.11	32.81	38.71	48.60	49.81	74	-24.19	Vertical		
4670.083	6.12	34.62	39.19	48.63	50.18	74	-23.82	Vertical		
7348.469	9.11	35.48	39.05	46.22	51.76	74	-22.24	Vertical		
9013.763	9.77	36.04	38.30	44.60	52.11	74	-21.89	Vertical		
11650.000	10.46	38.35	38.54	41.84	52.11	74	-21.89	Vertical		
17475.000	15.86	40.91	41.75	37.91	52.93	74	-21.07	Vertical		
3739.675	6.83	33.11	38.85	47.22	48.31	74	-25.69	Horizontal		
4840.471	6.50	34.74	39.25	46.83	48.82	74	-25.18	Horizontal		
7838.091	9.39	35.69	39.01	44.21	50.28	74	-23.72	Horizontal		
9579.950	10.00	37.26	37.95	43.75	53.06	74	-20.94	Horizontal		
11650.000	10.46	38.35	38.54	41.60	51.87	74	-22.13	Horizontal		
17475.000	15.86	40.91	41.75	37.80	52.82	74	-21.18	Horizontal		



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Test mode:		802.11n(HT20)		Test channel:		36		Remark:		Peak	
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization			
3793.666	6.80	33.15	38.87	47.60	48.68	74	-25.32	Vertical			
4729.026	6.25	34.66	39.21	48.14	49.84	74	-24.16	Vertical			
7243.887	8.97	35.59	39.06	46.96	52.46	74	-21.54	Vertical			
9494.509	10.05	37.11	38.00	43.15	52.31	74	-21.69	Vertical			
10360.000	9.92	37.13	37.89	43.42	52.58	74	-21.42	Vertical			
15540.000	12.97	39.38	41.17	40.97	52.15	74	-21.85	Vertical			
3647.033	6.88	33.04	38.81	47.06	48.17	74	-25.83	Horizontal			
4546.240	5.84	34.50	39.15	47.95	49.14	74	-24.86	Horizontal			
7535.134	9.32	35.46	39.04	44.85	50.59	74	-23.41	Horizontal			
9242.729	9.90	36.60	38.16	43.73	52.07	74	-21.93	Horizontal			
10360.000	9.92	37.13	37.89	44.47	53.63	74	-20.37	Horizontal			
15540.000	12.97	39.38	41.17	41.82	53.00	74	-21.00	Horizontal			

Test mode:		802.11n(HT20)		Test channel:		40		Remark:		Peak	
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Polarization			
3746.382	6.83	33.11	38.85	47.81	48.90	74	-25.10	Vertical			
4712.109	6.22	34.65	39.21	48.46	50.12	74	-23.88	Vertical			
7838.091	9.39	35.69	39.01	44.42	50.49	74	-23.51	Vertical			
9176.724	9.86	36.45	38.20	42.99	51.10	74	-22.90	Vertical			
10400.000	9.94	37.02	37.92	43.54	52.58	74	-21.42	Vertical			
15600.000	12.97	39.50	41.19	42.36	53.64	74	-20.36	Vertical			
3693.064	6.86	33.07	38.83	48.32	49.42	74	-24.58	Horizontal			
4805.903	6.42	34.71	39.24	48.11	50.00	74	-24.00	Horizontal			
7937.019	9.41	35.76	39.01	44.88	51.04	74	-22.96	Horizontal			
9359.385	9.97	36.85	38.09	43.37	52.10	74	-21.90	Horizontal			
10400.000	9.94	37.02	37.92	44.38	53.42	74	-20.58	Horizontal			
15600.000	12.97	39.50	41.19	42.56	53.84	74	-20.16	Horizontal			

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Test mode:		802.11n(HT20)		Test channel:		48		Remark:		Peak	
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization			
3660.126	6.88	33.05	38.81	46.12	47.24	74	-26.76	Vertical			
4771.583	6.35	34.68	39.23	47.18	48.98	74	-25.02	Vertical			
7768.185	9.37	35.63	39.02	45.28	51.26	74	-22.74	Vertical			
9013.763	9.77	36.04	38.30	43.77	51.28	74	-22.72	Vertical			
10480.000	9.97	37.30	37.96	43.85	53.16	74	-20.84	Vertical			
15720.000	12.96	39.74	41.23	40.92	52.39	74	-21.61	Vertical			
3543.964	6.94	32.94	38.76	46.70	47.82	74	-26.18	Horizontal			
4823.156	6.46	34.72	39.24	47.32	49.26	74	-24.74	Horizontal			
7824.060	9.38	35.68	39.01	45.03	51.08	74	-22.92	Horizontal			
9259.305	9.91	36.64	38.15	42.00	50.40	74	-23.60	Horizontal			
10480.000	9.97	37.30	37.96	43.67	52.98	74	-21.02	Horizontal			
15720.000	12.96	39.74	41.23	41.81	53.28	74	-20.72	Horizontal			

Test mode:		802.11n(HT20)		Test channel:		149		Remark:		Peak	
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Polarization			
3814.113	6.79	33.18	38.88	47.67	48.76	74	-25.24	Vertical			
4645.047	6.06	34.61	39.18	47.56	49.05	74	-24.95	Vertical			
7243.887	8.97	35.59	39.06	47.48	52.98	74	-21.02	Vertical			
9460.546	10.03	37.05	38.02	43.35	52.41	74	-21.59	Vertical			
11490.000	10.39	38.22	38.46	42.44	52.59	74	-21.41	Vertical			
17235.000	16.31	41.01	41.69	36.42	52.05	74	-21.95	Vertical			
3537.620	6.95	32.93	38.76	47.57	48.69	74	-25.31	Horizontal			
4763.041	6.33	34.68	39.22	47.94	49.73	74	-24.27	Horizontal			
7994.107	9.42	35.80	39.00	43.22	49.44	74	-24.56	Horizontal			
9409.829	10.00	36.96	38.05	42.48	51.39	74	-22.61	Horizontal			
11490.000	10.39	38.22	38.46	42.23	52.38	74	-21.62	Horizontal			
17235.000	16.31	41.01	41.69	37.22	52.85	74	-21.15	Horizontal			

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Test mode:		802.11n(HT20)		Test channel:		157		Remark:		Peak	
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization			
3780.095	6.81	33.14	38.86	47.02	48.11	74	-25.89	Vertical			
4771.583	6.35	34.68	39.23	46.79	48.59	74	-25.41	Vertical			
7295.991	9.04	35.53	39.06	46.58	52.09	74	-21.91	Vertical			
9242.729	9.90	36.60	38.16	42.54	50.88	74	-23.12	Vertical			
11570.000	10.42	38.28	38.50	41.31	51.51	74	-22.49	Vertical			
17355.000	16.08	40.96	41.72	36.98	52.30	74	-21.70	Vertical			
3820.953	6.79	33.19	38.88	47.64	48.74	74	-25.26	Horizontal			
4720.560	6.23	34.65	39.21	47.47	49.14	74	-24.86	Horizontal			
7401.325	9.18	35.42	39.05	45.52	51.07	74	-22.93	Horizontal			
9392.984	9.99	36.93	38.06	43.14	52.00	74	-22.00	Horizontal			
11570.000	10.42	38.28	38.50	42.32	52.52	74	-21.48	Horizontal			
17355.000	16.08	40.96	41.72	37.24	52.56	74	-21.44	Horizontal			

Test mode:		802.11n(HT20)		Test channel:		165		Remark:		Peak	
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Polarization			
3679.853	6.86	33.06	38.82	46.39	47.49	74	-26.51	Vertical			
4712.109	6.22	34.65	39.21	47.40	49.06	74	-24.94	Vertical			
7322.183	9.08	35.50	39.06	46.24	51.76	74	-22.24	Vertical			
9176.724	9.86	36.45	38.20	43.34	51.45	74	-22.55	Vertical			
11650.000	10.46	38.35	38.54	42.25	52.52	74	-21.48	Vertical			
17475.000	15.86	40.91	41.75	37.71	52.73	74	-21.27	Vertical			
3686.453	6.86	33.07	38.82	46.43	47.54	74	-26.46	Horizontal			
4695.254	6.18	34.64	39.20	47.25	48.87	74	-25.13	Horizontal			
7824.060	9.38	35.68	39.01	45.60	51.65	74	-22.35	Horizontal			
9143.897	9.85	36.37	38.22	43.62	51.62	74	-22.38	Horizontal			
11650.000	10.46	38.35	38.54	42.86	53.13	74	-20.87	Horizontal			
17475.000	15.86	40.91	41.75	37.62	52.64	74	-21.36	Horizontal			

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Test mode:		802.11n(HT40)		Test channel:		38		Remark:		Peak	
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization			
3493.527	6.98	32.88	38.74	43.50	44.62	74	-29.38	Vertical			
4780.140	6.37	34.69	39.23	45.03	46.86	74	-27.14	Vertical			
7535.134	9.32	35.46	39.04	42.36	48.10	74	-25.90	Vertical			
9046.122	9.79	36.12	38.28	43.72	51.35	74	-22.65	Vertical			
10380.000	9.93	37.07	37.90	42.33	51.43	74	-22.57	Vertical			
15570.000	12.97	39.44	41.18	40.87	52.10	74	-21.90	Vertical			
3588.694	6.92	32.99	38.78	44.68	45.81	74	-28.19	Horizontal			
4712.109	6.22	34.65	39.21	47.61	49.27	74	-24.73	Horizontal			
7348.469	9.11	35.48	39.05	45.79	51.33	74	-22.67	Horizontal			
9359.385	9.97	36.85	38.09	41.58	50.31	74	-23.69	Horizontal			
10380.000	9.93	37.07	37.90	43.66	52.76	74	-21.24	Horizontal			
15570.000	12.97	39.44	41.18	41.01	52.24	74	-21.76	Horizontal			

Test mode:		802.11n(HT40)		Test channel:		46		Remark:		Peak	
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Polarization			
3686.453	6.86	33.07	38.82	47.73	48.84	74	-25.16	Vertical			
4831.806	6.48	34.73	39.25	47.96	49.92	74	-24.08	Vertical			
7782.116	9.37	35.64	39.02	46.85	52.84	74	-21.16	Vertical			
9259.305	9.91	36.64	38.15	43.79	52.19	74	-21.81	Vertical			
10460.000	9.96	37.23	37.95	44.59	53.83	74	-20.17	Vertical			
15690.000	12.96	39.68	41.22	41.01	52.43	74	-21.57	Vertical			
3773.328	6.81	33.13	38.86	46.96	48.04	74	-25.96	Horizontal			
4823.156	6.46	34.72	39.24	46.35	48.29	74	-25.71	Horizontal			
7179.280	8.89	35.66	39.07	47.26	52.74	74	-21.26	Horizontal			
9342.630	9.96	36.82	38.10	42.36	51.04	74	-22.96	Horizontal			
10460.000	9.96	37.23	37.95	43.07	52.31	74	-21.69	Horizontal			
15690.000	12.96	39.68	41.22	40.78	52.20	74	-21.80	Horizontal			

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Test mode:		802.11n(HT40)		Test channel:		151		Remark:	Peak
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	
3666.690	6.87	33.05	38.81	47.63	48.74	74	-25.26	Vertical	
4513.773	5.76	34.44	39.14	48.14	49.20	74	-24.80	Vertical	
7824.060	9.38	35.68	39.01	46.95	53.00	74	-21.00	Vertical	
9209.667	9.88	36.53	38.18	43.67	51.90	74	-22.10	Vertical	
11510.000	10.39	38.23	38.47	41.65	51.80	74	-22.20	Vertical	
17265.000	16.25	40.99	41.69	37.45	53.00	74	-21.00	Vertical	
3419.214	7.12	32.80	38.70	48.14	49.36	74	-24.64	Horizontal	
4628.432	6.03	34.60	39.18	47.85	49.30	74	-24.70	Horizontal	
8095.003	9.46	35.82	38.93	44.02	50.37	74	-23.63	Horizontal	
9562.801	10.01	37.23	37.96	43.67	52.95	74	-21.05	Horizontal	
11510.000	10.39	38.23	38.47	42.33	52.48	74	-21.52	Horizontal	
17265.000	15.58	40.93	41.80	37.67	52.38	74	-21.62	Horizontal	

Test mode:		802.11n(HT40)		Test channel:		159		Remark:	Peak
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Polarization	
3640.505	6.89	33.03	38.80	47.83	48.95	74	-25.05	Vertical	
4620.146	6.01	34.59	39.18	49.04	50.46	74	-23.54	Vertical	
7908.627	9.40	35.74	39.01	43.35	49.48	74	-24.52	Vertical	
9259.305	9.91	36.64	38.15	43.24	51.64	74	-22.36	Vertical	
11590.000	10.43	38.29	38.51	41.83	52.04	74	-21.96	Vertical	
17385.000	16.03	40.95	41.73	38.61	53.86	74	-20.14	Vertical	
3719.627	6.84	33.09	38.84	46.36	47.45	74	-26.55	Horizontal	
4712.109	6.22	34.65	39.21	47.52	49.18	74	-24.82	Horizontal	
7575.747	9.33	35.47	39.03	43.30	49.07	74	-24.93	Horizontal	
9160.296	9.85	36.41	38.21	42.65	50.70	74	-23.30	Horizontal	
11590.000	10.43	38.29	38.51	43.16	53.37	74	-20.63	Horizontal	
17385.000	16.03	40.95	41.73	38.06	53.31	74	-20.69	Horizontal	

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Test mode:		802.11ac(HT20)		Test channel:		36		Remark:		Peak	
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization			
3468.578	7.03	32.86	38.73	46.55	47.71	74	-26.29	Vertical			
4712.109	6.22	34.65	39.21	47.67	49.33	74	-24.67	Vertical			
7269.892	9.01	35.56	39.06	47.09	52.60	74	-21.40	Vertical			
9579.950	10.00	37.26	37.95	43.43	52.74	74	-21.26	Vertical			
10360.000	9.92	37.13	37.89	44.43	53.59	74	-20.41	Vertical			
15540.000	12.97	39.38	41.17	40.91	52.09	74	-21.91	Vertical			
3462.369	7.04	32.85	38.72	46.72	47.89	74	-26.11	Horizontal			
4780.140	6.37	34.69	39.23	47.14	48.97	74	-25.03	Horizontal			
7796.073	9.38	35.66	39.02	45.73	51.75	74	-22.25	Horizontal			
9511.536	10.04	37.14	37.99	42.83	52.02	74	-21.98	Horizontal			
10360.000	9.92	37.13	37.89	43.95	53.11	74	-20.89	Horizontal			
15540.000	12.97	39.38	41.17	41.68	52.86	74	-21.14	Horizontal			

Test mode:		802.11ac(HT20)		Test channel:		40		Remark:		Peak	
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Polarization			
3719.627	6.84	33.09	38.84	46.84	47.93	74	-26.07	Vertical			
4857.848	6.54	34.76	39.25	47.46	49.51	74	-24.49	Vertical			
7427.896	9.22	35.43	39.05	45.55	51.15	74	-22.85	Vertical			
9477.513	10.04	37.08	38.01	43.32	52.43	74	-21.57	Vertical			
10400.000	9.94	37.02	37.92	43.86	52.90	74	-21.10	Vertical			
15600.000	12.97	39.50	41.19	41.38	52.66	74	-21.34	Vertical			
3614.506	6.90	33.01	38.79	46.14	47.26	74	-26.74	Horizontal			
4927.982	6.69	34.83	39.28	48.66	50.90	74	-23.10	Horizontal			
7414.599	9.20	35.42	39.05	45.50	51.07	74	-22.93	Horizontal			
9494.509	10.05	37.11	38.00	43.28	52.44	74	-21.56	Horizontal			
10400.000	9.94	37.02	37.92	43.24	52.28	74	-21.72	Horizontal			
15600.000	12.97	39.50	41.19	41.53	52.81	74	-21.19	Horizontal			

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Test mode:		802.11ac(HT20)		Test channel:		48		Remark:		Peak	
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization			
3640.505	6.89	33.03	38.80	46.49	47.61	74	-26.39	Vertical			
4823.156	6.46	34.72	39.24	47.71	49.65	74	-24.35	Vertical			
7414.599	9.20	35.42	39.05	45.00	50.57	74	-23.43	Vertical			
9259.305	9.91	36.64	38.15	42.64	51.04	74	-22.96	Vertical			
10480.000	9.97	37.30	37.96	43.19	52.50	74	-21.50	Vertical			
15720.000	12.96	39.74	41.23	41.17	52.64	74	-21.36	Vertical			
3759.831	6.82	33.12	38.85	47.54	48.63	74	-25.37	Horizontal			
4814.522	6.44	34.71	39.24	46.33	48.24	74	-25.76	Horizontal			
7796.073	9.38	35.66	39.02	46.00	52.02	74	-21.98	Horizontal			
9494.509	10.05	37.11	38.00	44.24	53.40	74	-20.60	Horizontal			
10480.000	9.97	37.30	37.96	43.23	52.54	74	-21.46	Horizontal			
15720.000	12.96	39.74	41.23	41.17	52.64	74	-21.36	Horizontal			

Test mode:		802.11ac(HT20)		Test channel:		149		Remark:		Peak	
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Polarization			
3531.287	6.95	32.93	38.76	45.69	46.81	74	-27.19	Vertical			
4529.978	5.80	34.47	39.15	45.92	47.04	74	-26.96	Vertical			
7269.892	9.01	35.56	39.06	46.36	51.87	74	-22.13	Vertical			
9579.950	10.00	37.26	37.95	43.36	52.67	74	-21.33	Vertical			
11490.000	10.39	38.22	38.46	42.61	52.76	74	-21.24	Vertical			
17235.000	16.31	41.01	41.69	37.15	52.78	74	-21.22	Vertical			
3640.505	6.89	33.03	38.80	45.97	47.09	74	-26.91	Horizontal			
4771.583	6.35	34.68	39.23	47.81	49.61	74	-24.39	Horizontal			
7454.562	9.25	35.44	39.05	44.49	50.13	74	-23.87	Horizontal			
9392.984	9.99	36.93	38.06	42.89	51.75	74	-22.25	Horizontal			
11490.000	10.39	38.22	38.46	42.16	52.31	74	-21.69	Horizontal			
17235.000	16.31	41.01	41.69	37.27	52.90	74	-21.10	Horizontal			

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Test mode:		802.11ac(HT20)		Test channel:		157		Remark:		Peak	
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization			
3759.831	6.82	33.12	38.85	46.27	47.36	74	-26.64	Vertical			
4712.109	6.22	34.65	39.21	47.10	48.76	74	-25.24	Vertical			
7269.892	9.01	35.56	39.06	46.74	52.25	74	-21.75	Vertical			
9545.682	10.02	37.20	37.97	43.07	52.32	74	-21.68	Vertical			
11570.000	10.42	38.28	38.50	42.77	52.97	74	-21.03	Vertical			
17355.000	16.08	40.96	41.72	37.13	52.45	74	-21.55	Vertical			
3699.687	6.85	33.08	38.83	44.32	45.42	74	-28.58	Horizontal			
4831.806	6.48	34.73	39.25	45.10	47.06	74	-26.94	Horizontal			
7768.185	9.37	35.63	39.02	43.38	49.36	74	-24.64	Horizontal			
9392.984	9.99	36.93	38.06	40.59	49.45	74	-24.55	Horizontal			
11570.000	10.42	38.28	38.50	42.06	52.26	74	-21.74	Horizontal			
17355.000	16.08	40.96	41.72	37.18	52.50	74	-21.50	Horizontal			

Test mode:		802.11ac(HT20)		Test channel:		165		Remark:		Peak	
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Polarization			
3786.875	6.80	33.14	38.86	47.78	48.86	74	-25.14	Vertical			
4754.514	6.31	34.67	39.22	47.35	49.11	74	-24.89	Vertical			
7427.896	9.22	35.43	39.05	45.28	50.88	74	-23.12	Vertical			
9545.682	10.02	37.20	37.97	43.54	52.79	74	-21.21	Vertical			
11650.000	10.46	38.35	38.54	41.77	52.04	74	-21.96	Vertical			
17475.000	15.86	40.91	41.75	37.11	52.13	74	-21.87	Vertical			
3686.453	6.86	33.07	38.82	47.73	48.84	74	-25.16	Horizontal			
4805.903	6.42	34.71	39.24	46.65	48.54	74	-25.46	Horizontal			
7880.337	9.39	35.72	39.01	43.01	49.11	74	-24.89	Horizontal			
9443.610	10.02	37.02	38.03	43.45	52.46	74	-21.54	Horizontal			
11650.000	10.46	38.35	38.54	42.56	52.83	74	-21.17	Horizontal			
17475.000	15.86	40.91	41.75	37.03	52.05	74	-21.95	Horizontal			

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Test mode:		802.11ac(HT40)		Test channel:		38		Remark:		Peak	
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization			
3732.980	6.83	33.10	38.84	47.03	48.12	74	-25.88	Vertical			
4754.514	6.31	34.67	39.22	48.57	50.33	74	-23.67	Vertical			
7838.091	9.39	35.69	39.01	44.21	50.28	74	-23.72	Vertical			
9477.513	10.04	37.08	38.01	43.37	52.48	74	-21.52	Vertical			
10380.000	9.93	37.07	37.90	43.87	52.97	74	-21.03	Vertical			
15570.000	12.97	39.44	41.18	41.59	52.82	74	-21.18	Vertical			
3653.574	6.88	33.04	38.81	46.86	47.97	74	-26.03	Horizontal			
4720.560	6.23	34.65	39.21	48.48	50.15	74	-23.85	Horizontal			
7494.740	9.30	35.45	39.04	44.87	50.58	74	-23.42	Horizontal			
9275.910	9.92	36.67	38.14	42.25	50.70	74	-23.30	Horizontal			
10380.000	9.93	37.07	37.90	43.61	52.71	74	-21.29	Horizontal			
15570.000	12.97	39.44	41.18	40.90	52.13	74	-21.87	Horizontal			

Test mode:		802.11ac(HT40)		Test channel:		46		Remark:		Peak	
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Polarization			
3732.980	6.83	33.10	38.84	47.06	48.15	74	-25.85	Vertical			
4831.806	6.48	34.73	39.25	46.79	48.75	74	-25.25	Vertical			
8051.607	9.44	35.81	38.96	42.99	49.28	74	-24.72	Vertical			
9359.385	9.97	36.85	38.09	40.94	49.67	74	-24.33	Vertical			
10460.000	9.96	37.23	37.95	42.80	52.04	74	-21.96	Vertical			
15690.000	12.96	39.68	41.22	40.88	52.30	74	-21.70	Vertical			
3346.482	7.26	32.64	38.67	47.53	48.76	74	-25.24	Horizontal			
4754.514	6.31	34.67	39.22	48.07	49.83	74	-24.17	Horizontal			
7866.230	9.39	35.71	39.01	43.52	49.61	74	-24.39	Horizontal			
9477.513	10.04	37.08	38.01	43.66	52.77	74	-21.23	Horizontal			
10460.000	9.94	37.02	37.92	43.34	52.38	74	-21.62	Horizontal			
15690.000	12.97	39.50	41.19	41.61	52.89	74	-21.11	Horizontal			

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Test mode:		802.11ac(HT40)		Test channel:		151		Remark:	Peak
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	
3487.273	6.99	32.88	38.74	46.62	47.75	74	-26.25	Vertical	
4473.516	5.78	34.38	39.13	46.84	47.87	74	-26.13	Vertical	
7494.740	9.30	35.45	39.04	44.62	50.33	74	-23.67	Vertical	
9309.210	9.94	36.75	38.12	42.64	51.21	74	-22.79	Vertical	
11510.000	10.39	38.23	38.47	42.98	53.13	74	-20.87	Vertical	
17265.000	16.25	40.99	41.69	36.70	52.25	74	-21.75	Vertical	
3499.792	6.97	32.89	38.74	46.47	47.59	74	-26.41	Horizontal	
4620.146	6.01	34.59	39.18	47.47	48.89	74	-25.11	Horizontal	
7824.060	9.38	35.68	39.01	45.33	51.38	74	-22.62	Horizontal	
9292.546	9.93	36.71	38.13	41.85	50.36	74	-23.64	Horizontal	
11510.000	10.39	38.23	38.47	42.18	52.33	74	-21.67	Horizontal	
17265.000	16.25	40.99	41.69	37.25	52.80	74	-21.20	Horizontal	

Test mode:		802.11ac(HT40)		Test channel:		159		Remark:	Peak
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Polarization	
3780.095	6.81	33.14	38.86	46.48	47.57	74	-26.43	Vertical	
4823.156	6.46	34.72	39.24	47.71	49.65	74	-24.35	Vertical	
7838.091	9.39	35.69	39.01	44.16	50.23	74	-23.77	Vertical	
9409.829	10.00	36.96	38.05	42.62	51.53	74	-22.47	Vertical	
11590.000	10.43	38.29	38.51	42.96	53.17	74	-20.83	Vertical	
17385.000	16.03	40.95	41.73	37.47	52.72	74	-21.28	Vertical	
3499.792	6.97	32.89	38.74	46.04	47.16	74	-26.84	Horizontal	
4910.354	6.65	34.81	39.27	47.39	49.58	74	-24.42	Horizontal	
7671.363	9.35	35.54	39.03	45.17	51.03	74	-22.97	Horizontal	
9631.584	9.97	37.40	37.92	41.41	50.86	74	-23.14	Horizontal	
11590.000	10.43	38.29	38.51	42.64	52.85	74	-21.15	Horizontal	
17385.000	16.03	40.95	41.73	37.04	52.29	74	-21.71	Horizontal	



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Test mode:		802.11ac(HT80)		Test channel:		42		Remark:		Peak	
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization			
3531.287	6.95	32.93	38.76	45.55	46.67	74	-27.33	Vertical			
4603.619	5.97	34.58	39.17	47.19	48.57	74	-25.43	Vertical			
7427.896	9.22	35.43	39.05	44.22	49.82	74	-24.18	Vertical			
9342.630	9.96	36.82	38.10	42.06	50.74	74	-23.26	Vertical			
10420.000	9.95	37.09	37.93	43.79	52.90	74	-21.10	Vertical			
15630.000	12.36	39.36	40.48	41.03	52.27	74	-21.73	Vertical			
3620.989	6.90	33.02	38.79	46.18	47.31	74	-26.69	Horizontal			
4831.806	6.48	34.73	39.25	46.68	48.64	74	-25.36	Horizontal			
7521.645	9.31	35.46	39.04	44.02	49.75	74	-24.25	Horizontal			
9409.829	10.00	36.96	38.05	42.73	51.64	74	-22.36	Horizontal			
10420.000	9.95	37.09	37.93	43.97	53.08	74	-20.92	Horizontal			
15630.000	12.97	39.56	41.20	41.50	52.83	74	-21.17	Horizontal			

Test mode:		802.11ac(HT80)		Test channel:		155		Remark:		Peak	
Frequency (MHz)	Cable loss (dB)	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Polarization			
3614.506	6.90	33.01	38.79	45.09	46.21	74	-27.79	Vertical			
4720.560	6.23	34.65	39.21	47.05	48.72	74	-25.28	Vertical			
7348.469	9.11	35.48	39.05	45.21	50.75	74	-23.25	Vertical			
9275.910	9.92	36.67	38.14	42.49	50.94	74	-23.06	Vertical			
11550.000	10.41	38.26	38.49	43.47	53.65	74	-20.35	Vertical			
17325.000	16.14	40.97	41.71	37.51	52.91	74	-21.09	Vertical			
3693.064	6.86	33.07	38.83	46.83	47.93	74	-26.07	Horizontal			
4831.806	6.48	34.73	39.25	46.94	48.90	74	-25.10	Horizontal			
7481.323	9.29	35.44	39.04	44.20	49.89	74	-24.11	Horizontal			
9376.170	9.98	36.89	38.08	42.51	51.30	74	-22.70	Horizontal			
11550.000	10.41	38.26	38.49	42.99	53.17	74	-20.83	Horizontal			
17325.000	16.14	40.97	41.71	36.72	52.12	74	-21.88	Horizontal			

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Remark:

- 1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor
- 2) Scan from 9kHz to 25GHz, The disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported .
- 3) As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. So, only the peak measurements were shown in the report.

6.9 Restricted bands edge

Test Requirement:	47 CFR Part 15C Section 15.407
Test Method:	ANSI C63.10 2009
Test Site:	Measurement Distance: 3m (Semi-Anechoic Chamber)
Limit:	(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 e.i.r.p. of -27 dBm/MHz. (2) For transmitters operating in the 5.725-5.85 GHz band: All emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of -27 dBm/MHz.
Test Setup:	

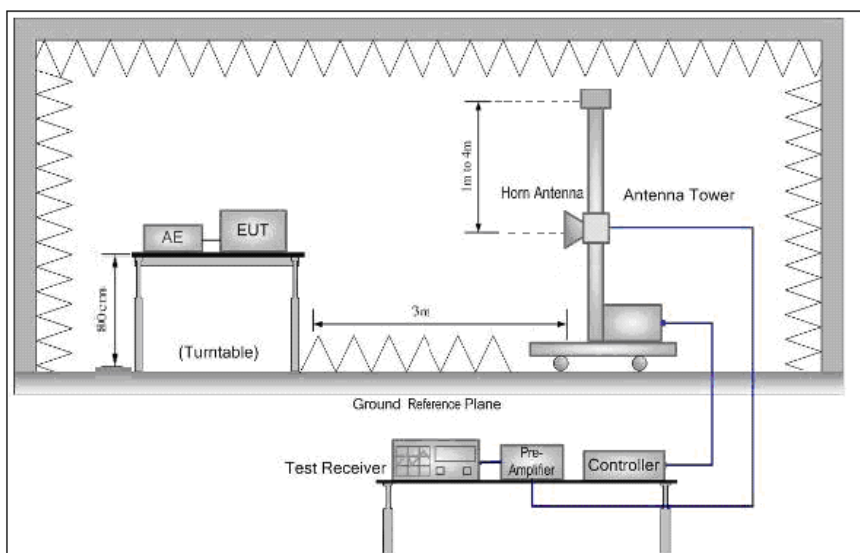


Figure 1.



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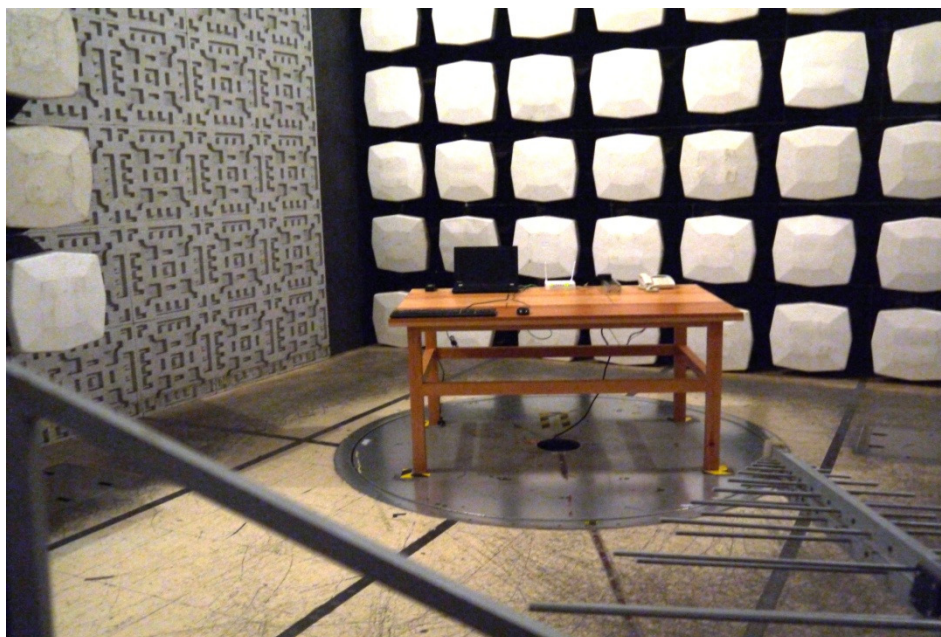
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Test Procedure:	a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. b. The EUT was set 3 meters away 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 rotatable 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. Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel g. Test the EUT in the lowest channel , the Highest channel h. Repeat above procedures until all frequencies measured was complete.
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates.
Final Test Mode:	Through Pre-scan, and found the 6Mbps of rate is the worst case of 802.11a, 65Mbps of rate is the worst case of 802.11n(HT20), 130Mbps of rate is the worst case of 802.11n(HT40), 86.7Mbps of rate is the worst case of 802.11ac(HT20), 200Mbps of rate is the worst case of 802.11ac(HT40), 433.3 of rate is the worst case of 802.11ac(HT80). Only the worst case is recorded in the report.
Instruments Used:	Refer to section 5.10 for details
Test Results:	Pass Remark: Please refer to the Attachment A. The limit other than restricted band as 68.2dBuV/m because -27dBm/Mhz is the limit for 15.407

7 Photographs - EUT Test Setup

Test model No.: G902P

7.1 Radiated Spurious Emission



7.2 Conducted Emission



8 Photographs - EUT Constructional Details

Please refer to the Attachment B.