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SGS-CSTC Standards Technical Services Ltd.

No. 1 Workshop, M-10, Middle section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057

 Telephone:
 +86 (0) 755 2601 2053

 Fax:
 +86 (0) 755 2671 0594

 Email:
 ee.shenzhen@sgs.com

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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,
FCC ID: Standards: Date of Receipt: Date of Test: Date of Issue: Test Result:	G901, G900P, G900 2AATVG902 47 CFR Part 15, Subpart E (2014) 2014-11-04 2014-11-13 to 2015-01-04 2015-01-09 PASS *

.* 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.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. All test results in this report can be traceable to National or International Standards.



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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-Shong (Chris Zhong) /Project Engineer	2015-01-04
Prepared By	Hedy Wen /Clerk	2015-01-09
Checked By	Emen _ Li (Emen Li) /Reviewer	2015-01-09



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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	

Remark:

 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 R	outer	
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	1	
Antenna Type:	Integrated anten	na	
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 (Unshield	led) (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)		

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Operation Frequency of channel			
Ba	and 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

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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.



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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.



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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	Shanhai 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	Shanhai 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				
ltem	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
responsible party shall antenna that uses a un	shall be designed to ensure that no antenna other than that furnished by the be used with the device. The use of a permanently attached antenna or of an ique coupling to the intentional radiator, the manufacturer may design the unit na can be replaced by the user, but the use of a standard antenna jack or prohibited.
EUT Antenna:	
The antenna is integral of the antenna is 5dBi.	antenna and no consideration of replacement. The best case gain



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Test Requirement: 47 CFR Part 15C Section 15.207 ANSI C63.10: 2009 Test Method: Test Frequency Range: 150kHz to 30MHz Limit: Limit (dBuV) Frequency range (MHz) 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 $50\Omega/50\mu$ H + 5Ω 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.

6.2 Conducted Emissions



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Test Setup:	Shielding Room		
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.		

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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:	Spectrum Analyzer E.U.T Non-Conducted Table 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. 		

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Measurement Data

802.11a mode						
Test channel	On time	Period	Duty Cycle(%)			
36	100	100	100			
	80)2.11n(HT20) mode				
Test channel	On time	Period	Duty Cycle			
36	100	100	100			
	80	02.11n(HT40) mode				
Test channel	On time	Period	Duty Cycle			
38	100	100	100			
	80	2.11ac(HT20) mode	,			
Test channel	On time	Period	Duty Cycle			
36	100	100	100			
	80	2.11ac(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			



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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:	Power Meter E.U.T RF Output poit Non-Conducted Table			
	Ground Reference Plane Remark: 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.			
	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)

		,	11a mode			
-	Conducted Output Power (dBm)				Darall	
Test channel	Antenna	1 Ar	ntenna 2	Limit (dBm)	Result	
36	13.06		11.76	30.00	Pass	
40	13.10		11.44	30.00	Pass	
48	12.62		10.71	30.00	Pass	
		802.11r	n(HT20) mod	le		
Test channel	Conducted	Output Pov	ver (dBm)	Limit (dBm)	Result	
	Antenna 1	Antenna 2	Total		nesuit	
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	
		802.11r	n(HT40) mod	le		
Test channel	Conducted Output Power (dBm)		Limit (dBm)	Result		
	Antenna 1	Antenna 2	Total		กษรับแ	
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	onducted Output Power (dBm)		Limit (dBm)	Result	
	Antenna 1	Antenna 2	Total		Tiesuit	
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	
		802.11a	c(HT40) moo	de		
Test channel	Conducted Output Power (dBm)		ver (dBm)	Limit (dBm)	Result	
	Antenna 1	Antenna 2	Total		Tiesuit	
38	11.71	10.60	14.20	30.00	Pass	
46	11.62	9.75	13.80	30.00	Pass	
		802.11a	c(HT80) moo	de		
Test channel	Conducted Output Power (dBm)		ver (dBm)	Limit (dBm)	Result	
	Antenna 1	Antenna 2	Total			
42	12.23	11.02	14.68	30.00	Pass	



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Measurement Data of band IV(5725-5850MHz)

802.11a mode						
	Conducted Output Power (dBm)				.	
Test channel	Antenna 1		tenna 2	Limit (dBm)	Result	
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) mod	le		
Test shannel	Conducted	Output Pow	ver (dBm)	Lingit (dDmg)	Decult	
Test channel	Antenna 1	Antenna 2	Total	Limit (dBm)	Result	
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) mod	le		
Test channel	Conducted	Output Pow	/er (dBm)	Limit (dPm)	Pooult	
rest channel	Antenna 1	Antenna 2	Total	Limit (dBm)	Result	
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 Pow	/er (dBm)	Limit (dBm)	Result	
	Antenna 1	Antenna 2	Total		nesuit	
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	
		802.11a	c(HT40) mod	de		
Test channel	Conducted Output Power (dB		/er (dBm)	Limit (dBm)	Result	
	Antenna 1	Antenna 2	Total		nesuit	
151	13.77	11.06	15.63	30.00	Pass	
159	13.16	10.58	15.07	30.00	Pass	
		802.11a	c(HT80) mod	de		
Test channel	Conducted	Output Pow	ver (dBm)	Limit (dBm)	Bosult	
	Antenna 1	Antenna 2	Total		Result	
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:	Spectrum Analyzer E.U.T Non-Conducted Table 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.		

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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						





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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							

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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:	Spectrum Analyzer E.U.T Non-Conducted Table 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.					

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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						

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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:	Spectrum Analyzer E.U.T Non-Conducted Table					
	Ground Reference Plane					
	Remark: 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(HT40), 0nly 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.					

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Measurement Data of Band I (5150-5250MHz)

	(0.000)		802.11a mode			
-	Power S	pectral D	ensity (dBm)			
Test channel	Antenna	ı 1	Antenna 2	Limit (dBm)	Result	
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) mod	e		
Testshorpel	Power S	pectral D	ensity (dBm)	Lingit (dDmg)	Deput	
Test channel	Antenna 1	Antenn	a 2 Total	Limit (dBm)	Result	
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) mod	e		
Test channel	Power S	pectral D	ensity (dBm)	Limit (dBm)	Result	
rest channel	Antenna 1	Antenn	a 2 Total	Liniit (dbiii)	nesuit	
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) mod	de		
Test channel	Power Spectral Density (dBm)			Limit (dBm)	Result	
rest channer	Antenna 1	Antenn	a 2 Total	Liniit (UBIII)	nesuit	
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) mod	de		
Test channel	Power S	pectral D	ensity (dBm)	Limit (dBm)	Result	
	Antenna 1	Antenn	a 2 Total		T LESUIT	
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) mod	de		
Test channel	Power S	pectral D	ensity (dBm)	Limit (dBm)	Result	
	Antenna 1	Antenn	a 2 Total			
42	4.18	2.52	6.44	≤17.00/MHz	Pass	



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Measurement Data of Band IV (5725-5850MHz)

Measurement Data of Ba			•	1a mode					
-	Power S	pectral	Densi	ty (dBm)					
Test channel	Antenna 1		Antenna 2		Limit (dBm)	Result			
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 shannel	Power S	pectral	Densi	ty (dBm)	Limit (dDm)	Decult			
Test channel	Antenna 1	Anten	ina 2	Total	Limit (dBm)	Result			
149	7.82	5.1	1	9.68	≤30.00dBm/500KHz	Pass			
157	7.11	5.0)6	9.22	≤30.00dBm/500KHz	Pass			
165	6.83	2.6	67	8.24	≤30.00dBm/500KHz	Pass			
		80	2.11n(HT40) mode					
Test shapped	Power S	pectral	Densi	ty (dBm)	Limit (dDm)	Decult			
Test channel	Antenna 1	Anten	ina 2	Total	Limit (dBm)	Result			
151	5.23	2.8	39	7.23	≤30.00dBm/500KHz	Pass			
159	4.59	2.0)6	6.52	≤30.00dBm/500KHz	Pass			
		802	2.11ac	(HT20) mode)				
Test channel	Power S	pectral	Densi	ty (dBm)	Limit (dBm)	Result			
rest channel	Antenna 1	Antenna 2		Total		nesuit			
149	7.97	5.8	31	10.03	≤30.00dBm/500KHz	Pass			
157	6.91	4.9	97	9.06	≤30.00dBm/500KHz	Pass			
165	6.49	2.6	67	8.00	≤30.00dBm/500KHz	Pass			
		802	2.11ac	(HT40) mode	9				
Test channel	Power S	pectral	Densi	ty (dBm)	Limit (dBm)	Result			
	Antenna 1	Anten	ina 2	Total	Liniit (dbiri)	nesuit			
151	5.19	2.5	55	7.08	≤30.00dBm/500KHz	Pass			
159	4.35	1.8	39	6.30	≤30.00dBm/500KHz	Pass			
		802	2.11ac	(HT80) mode)				
Test channel	Power Spectral Density			ty (dBm)	Limit (dBm)	Pocult			
	Antenna 1	Anten	ina 2	Total		Result			
155	2.66	0.4	14	4.70	≤30.00dBm/500KHz	Pass			



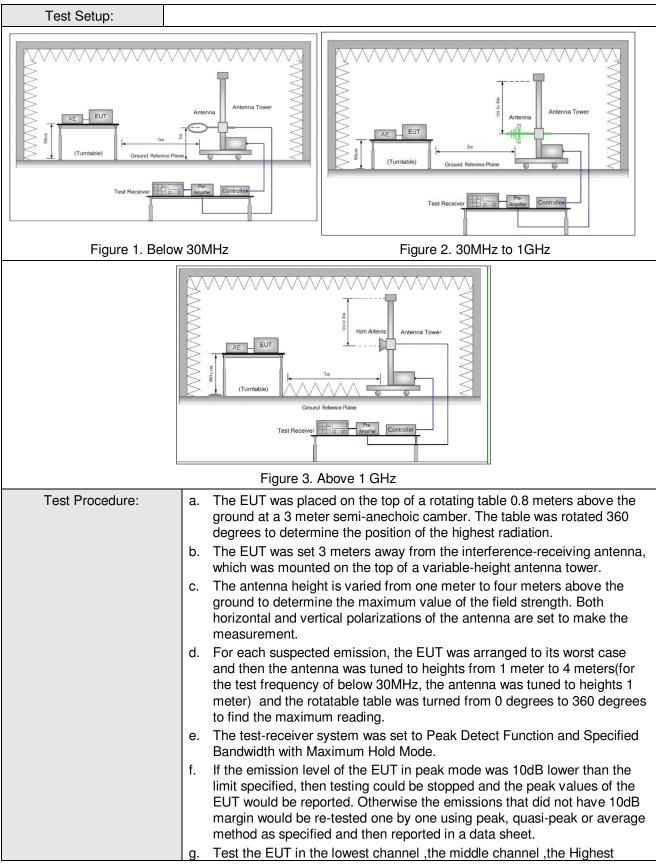
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6.8 Radiated Spurious Emissions

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 freque emissions is 20dB above the maximum permitted average emission I applicable to the equipment under test. This peak limit applies to the total pe emission level radiated by the device.								



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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(HT20); MCSO of rate is the worst case of 802.11ac(HT40); MCSO of rate is the worst case of 802.11ac(HT40); MCSO of rate is the worst case of 802.11ac(HT40); MCSO of rate is the worst case of 802.11ac(HT40); MCSO of rate is the worst case of 802.11ac(HT40); MCSO of rate is the worst case of 802.11ac(HT40); MCSO of rate is the worst case of 802.11ac(HT40); MCSO of rate is the worst case of 802.11ac(HT40); MCSO of rate is the worst case of 802.11ac(HT40); MCSO of rate is the worst case of 802.11ac(HT40); MCSO of rate is the worst case of 802.11ac(HT40); MCSO of rate is the worst case of 802.11ac(HT80).
Instruments Used:	Refer to section 5.10 for details
Test Results:	Pass
	Remark: Please refer to the Attachment A.



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6.8.1Transmitter emission above 1GHz

For adapter No.: S24B12-120A200-Y4										
Test mode:		802	.11a	Test ch	annel:	36	36 Remark:		Peak	
Frequency (MHz)	-	ble ss B)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	
3608.036	6.9	91	33.01	38.79	45.95	47.08	74	-26.92	Vertical	
4919.161	6.0	67	34.82	39.27	48.32	50.54	74	-23.46	Vertical	
7824.060	9.3	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	9.9	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	6.8	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	9.3	36	35.61	39.02	46.96	52.91	74	-21.09	Horizontal	
9392.984	9.9	99	36.93	38.06	42.60	51.46	74	-22.54	Horizontal	
10360.000	9.9	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 ch	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:	Test mode: 802.11a		Test ch	annel:	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 ch	annel:	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 ch	annel:	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 ch	annel:	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:	80	2.11n(HT20)	Test ch	annel:	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:	80)2.11n(HT20)	Test ch	annel:	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:	80	2.11n(HT20)	Test ch	annel:	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	2.11n(HT20)	Test ch	annel:	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	2.11n(HT20)	Test ch	annel:	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:	80)2.11n(HT20)	Test ch	annel:	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	2.11n(HT40)	Test ch	annel:	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 ch	annel:	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:	80	2.11n(HT40)	Test ch	annel:	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	2.11n(HT40)	Test ch	annel:	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:	80)2.11ac(HT20)) Test ch	annel:	36	Remark	K :	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	2.11ac(HT20)	Test ch	annel:	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	2.11ac(HT20)	Test ch	annel:	48	Remark	K :	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:	80	2.11ac(HT20)	Test ch	nannel:	149	Remark	c:	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:	80)2.11ac(HT20)	Test ch	nannel:	157	Remar	<:	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:	802.1	1ac(HT20)	Test ch	annel:	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:	80)2.11ac(HT40)	Test ch	nannel:	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:	8	02.11ac(HT40)	Test ch	nannel:	46	Remark	:	Peak
Frequency (MHz)	Cable loss (dB)		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:	80	2.11ac(HT40)	Test ch	annel:	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:	8	802.11ac(HT40) Test channel: 159		Remark	:	Peak		
Frequency (MHz)	Cable loss (dB)	factors	Preamp factor (dB)	Reading Level (dBµV)	Emission Level (dBµV/m)	Limit (dBµV/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	2 37.02	38.03	40.74	49.75	74	-24.25	Vertical
11590.000	10.43	3 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	3 37.05	38.02	43.50	52.56	74	-21.44	Horizontal
11590.000	10.43	3 38.29	38.51	42.30	52.51	74	-21.49	Horizontal
17385.000	16.03	3 40.95	41.73	37.45	52.70	74	-21.30	Horizontal



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Test mode:	8	02.11ac(HT80) Test ch	nannel:	42	Remark		Peak
Frequency (MHz)	Cable Loss (dB)	_	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	5 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	7 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	7 39.56	41.20	41.31	52.64	74	-21.36	Horizontal

Test mode:		802.	.11ac(HT80) Test ch	nannel:	155	Remark	:	Peak
Frequency (MHz)	Cab los (dB	S	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBµV)	Emission Level (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Polarization
3759.831	6.8	2	33.12	38.85	46.20	47.29	74	-26.71	Vertical
4805.903	6.4	2	34.71	39.24	46.70	48.59	74	-25.41	Vertical
7937.019	9.4	1	35.76	39.01	41.83	47.99	74	-26.01	Vertical
9511.536	10.0)4	37.14	37.99	42.09	51.28	74	-22.72	Vertical
11550.000	10.4	11	38.26	38.49	42.06	52.24	74	-21.76	Vertical
17325.000	16.1	14	40.97	41.71	36.84	52.24	74	-21.76	Vertical
3759.831	6.8	2	33.12	38.85	47.01	48.10	74	-25.90	Horizontal
5080.398	6.9	1	34.88	39.29	47.00	49.50	74	-24.50	Horizontal
8153.229	9.4	9	35.84	38.89	42.88	49.32	74	-24.68	Horizontal
9597.131	9.9	9	37.29	37.94	43.64	52.98	74	-21.02	Horizontal
11550.000	10.4	11	38.26	38.49	42.34	52.52	74	-21.48	Horizontal
17325.000	16.1	14	40.97	41.71	37.76	53.16	74	-20.84	Horizontal



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For adapter	For adapter No.: SW36-1200300-W1										
Test mode:	802	.11a	Test ch	annel:	36 Rem			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			
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:	Test mode: 802.11a		Test ch	annel:	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
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 ch	annel:	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 ch	annel:	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	2.11a	Test ch	annel:	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 ch	annel:	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:	8	02.11n(HT20)	1n(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:	80	02.11n(HT20)	Test ch	annel:	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:	80	2.11n(HT20)	Test ch	annel:	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 ch	annel:	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	2.11n(HT20)	Test ch	annel:	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:	8	02.11n(HT20)	Test ch	annel:	165	Remark		Peak
Frequency (MHz)	Cable loss (dB)		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	6 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	6 40.91	41.75	37.11	52.13	74	-21.87	Horizontal



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Test mode:	80	2.11n(HT40)	Test ch	annel:	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	2.11n(HT40)	Test ch	annel:	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:	80	2.11n(HT40)	Test ch	annel:	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 ch	annel:	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:	80	2.11ac(HT20)	Test ch	annel:	36	Remark	K :	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	2.11ac(HT20)	Test ch	annel:	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:	80	2.11ac(HT20)	Test ch	annel:	48	Remark	K :	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:	80	02.11ac(HT20)	Test ch	nannel:	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:	80	2.11ac(HT20)	2.11ac(HT20) Test cha		annel: 157		C.	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:	802.1	1ac(HT20)	Test ch	annel:	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	2.11ac(HT40) Test ch		nannel: 38		Remark	C.	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:	1	802.	11ac(HT40)	Test ch	annel:	46	Remark	:	Peak
Frequency (MHz)	Cab loss (dB	S	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBµV)	Emission Level (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Polarization
3518.655	6.9	6	32.91	38.75	45.92	47.04	74	-26.96	Vertical
4754.514	6.3	1	34.67	39.22	46.49	48.25	74	-25.75	Vertical
7712.709	9.30	6	35.58	39.02	46.84	52.76	74	-21.24	Vertical
9359.385	9.9	7	36.85	38.09	40.94	49.67	74	-24.33	Vertical
10460.000	9.90	6	37.23	37.95	43.34	52.58	74	-21.42	Vertical
15690.000	12.9	96	39.68	41.22	40.59	52.01	74	-21.99	Vertical
3257.739	7.44	4	32.41	38.63	47.56	48.78	74	-25.22	Horizontal
4670.083	6.12	2	34.62	39.19	48.63	50.18	74	-23.82	Horizontal
7361.648	9.13	3	35.46	39.05	45.31	50.85	74	-23.15	Horizontal
9392.984	9.99	9	36.93	38.06	42.44	51.30	74	-22.70	Horizontal
10460.000	9.96	6	37.23	37.95	43.33	52.57	74	-21.43	Horizontal
15690.000	12.9	96	39.68	41.22	41.89	53.31	74	-20.69	Horizontal



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Test mode:	8	02.11ac(HT40) Test ch	annel:	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:	8	02.11ac(HT40)	Test ch	nannel:	nel: 159		:	Peak
Frequency (MHz)	Cable loss (dB)	e 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:	8	02.11ac(HT80	2.11ac(HT80) Test cha		annel: 42		(:	Peak
Frequency (MHz)	Cable Loss (dB)		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	4 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	7 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	4 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	7 39.56	41.20	42.23	53.56	74	-20.44	Horizontal

Test mode:		802	.11ac(HT80) Test ch	annel:	155	Remark	:	Peak
Frequency (MHz)	Cat los (dE	s	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBµV)	Emission Level (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Polarization
3334.511	7.2	29	32.61	38.67	45.69	46.92	74	-27.08	Vertical
4628.432	6.0)3	34.60	39.18	48.35	49.80	74	-24.20	Vertical
7295.991	9.0)4	35.53	39.06	46.79	52.30	74	-21.70	Vertical
9579.950	10.0	00	37.26	37.95	43.55	52.86	74	-21.14	Vertical
11550.000	10.4	41	38.26	38.49	42.41	52.59	74	-21.41	Vertical
17325.000	16.1	14	40.97	41.71	37.63	53.03	74	-20.97	Vertical
3419.214	7.1	2	32.80	38.70	48.14	49.36	74	-24.64	Horizontal
4814.522	6.4	4	34.71	39.24	47.70	49.61	74	-24.39	Horizontal
7685.120	9.3	85	35.56	39.03	47.42	53.30	74	-20.70	Horizontal
9460.546	10.0	03	37.05	38.02	43.81	52.87	74	-21.13	Horizontal
11550.000	10.4	41	38.26	38.49	42.21	52.39	74	-21.61	Horizontal
17325.000	16.1	14	40.97	41.71	38.09	53.49	74	-20.51	Horizontal



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For adapter	No.: WH	F-12003001	٢3					
Test mode:	Test mode: 802.11a		Test ch	annel:	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
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 ch	annel:	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
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 ch	annel:	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	2.11a	Test ch	annel:	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 ch	annel:	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 ch	annel:	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:	8	02.11n(HT20)	Test ch	annel:	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:	80)2.11n(HT20)	Test ch	annel:	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	2.11n(HT20)	Test ch	annel:	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	2.11n(HT20)	Test ch	annel:	149	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:	80	2.11n(HT20)	Test ch	annel:	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:	8	02.11n(HT20)	Test ch	annel:	165	Remark		Peak
Frequency (MHz)	Cable loss (dB)	e 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	6 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	6 40.91	41.75	37.62	52.64	74	-21.36	Horizontal



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Test mode:	80	2.11n(HT40)	Test ch	annel:	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:	80	2.11n(HT40)	Test ch	annel:	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:	80	2.11n(HT40)	Test ch	annel:	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	2.11n(HT40)	Test ch	annel:	159	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
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:	80	02.11ac(HT20)	2.11ac(HT20) Test channel:		36 Remark		K :	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:	8	302.11ac(HT2	20) Test ch	nannel:	40	Remark	c :	Peak
Frequency (MHz)	Cabl loss (dB)	factors	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	2 35.43	39.05	45.55	51.15	74	-22.85	Vertical
9477.513	10.0	4 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	12.9	7 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	10.0	5 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	12.9	7 39.50	41.19	41.53	52.81	74	-21.19	Horizontal



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Test mode:	80	2.11ac(HT20)	Test ch	annel:	48	Remar	K :	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	2.11ac(HT20)	Test ch	annel:	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	2.11ac(HT20)) Test ch	nannel:	157	Remar	k:	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:	802.1	11ac(HT20)	Test ch	annel:	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:	80	2.11ac(HT40)	.11ac(HT40) Test cha		annel: 38		:	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 ch	annel:	46	Remark	:	Peak
Frequency (MHz)	Cab los (dB	s	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBµV)	Emission Level (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Polarization
3732.980	6.8	3	33.10	38.84	47.06	48.15	74	-25.85	Vertical
4831.806	6.4	8	34.73	39.25	46.79	48.75	74	-25.25	Vertical
8051.607	9.4	4	35.81	38.96	42.99	49.28	74	-24.72	Vertical
9359.385	9.9	7	36.85	38.09	40.94	49.67	74	-24.33	Vertical
10460.000	9.9	6	37.23	37.95	42.80	52.04	74	-21.96	Vertical
15690.000	12.9	96	39.68	41.22	40.88	52.30	74	-21.70	Vertical
3346.482	7.2	6	32.64	38.67	47.53	48.76	74	-25.24	Horizontal
4754.514	6.3	1	34.67	39.22	48.07	49.83	74	-24.17	Horizontal
7866.230	9.3	9	35.71	39.01	43.52	49.61	74	-24.39	Horizontal
9477.513	10.0)4	37.08	38.01	43.66	52.77	74	-21.23	Horizontal
10460.000	9.9	4	37.02	37.92	43.34	52.38	74	-21.62	Horizontal
15690.000	12.9	97	39.50	41.19	41.61	52.89	74	-21.11	Horizontal



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Test mode:	802	2.11ac(HT40)	Test ch	annel:	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:	8	02.11ac(HT40) Test ch	nannel:	159	Remark	:	Peak
Frequency (MHz)	Cable loss (dB)		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:	8	02.11ac(HT80) Test ch	nannel:	42	Remark	(:	Peak
Frequency (MHz)	Cable Loss (dB)	_	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 ch	annel:	155	Remark	:	Peak
Frequency (MHz)	Cab los (dB	s	Antenna factors (dB/m)	Preamp factor (dB)	Reading Level (dBµV)	Emission Level (dBµV/m)	Limit (dBµV/m)	Over Limit (dB)	Polarization
3614.506	6.9	0	33.01	38.79	45.09	46.21	74	-27.79	Vertical
4720.560	6.2	3	34.65	39.21	47.05	48.72	74	-25.28	Vertical
7348.469	9.1	1	35.48	39.05	45.21	50.75	74	-23.25	Vertical
9275.910	9.9	2	36.67	38.14	42.49	50.94	74	-23.06	Vertical
11550.000	10.4	11	38.26	38.49	43.47	53.65	74	-20.35	Vertical
17325.000	16.1	14	40.97	41.71	37.51	52.91	74	-21.09	Vertical
3693.064	6.8	6	33.07	38.83	46.83	47.93	74	-26.07	Horizontal
4831.806	6.4	8	34.73	39.25	46.94	48.90	74	-25.10	Horizontal
7481.323	9.2	9	35.44	39.04	44.20	49.89	74	-24.11	Horizontal
9376.170	9.9	8	36.89	38.08	42.51	51.30	74	-22.70	Horizontal
11550.000	10.4	11	38.26	38.49	42.99	53.17	74	-20.83	Horizontal
17325.000	16.1	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.

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6.9 Restricted bands edge

Test Requirement: Test Method: Test Site: Limit:	 47 CFR Part 15C Section 15.407 ANSI C63.10 2009 Measurement Distance: 3m (Semi-Anechoic Chamber) (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
Test Site:	 Measurement Distance: 3m (Semi-Anechoic Chamber) (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
	 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. 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
Limit:	 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
	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
	shall not exceed an e.i.r.p. of –27 dBm/MHz.
Test Setup:	
Horn Antenna Tower Horn Antenna Tower Horn Antenna Tower Ground Reference Plane Test Receiver Figure 1.	



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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 camber. The table was rotated 360 degrees to determine the position of the highest radiation.
	b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
	c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
	d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the 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
	 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

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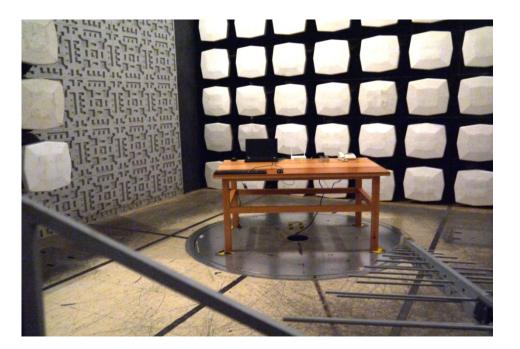


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7 Photographs - EUT Test Setup

Test model No.: G902P

7.1 Radiated Spurious Emission

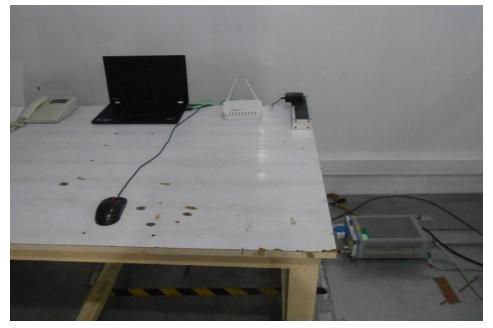






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7.2 Conducted Emission



8 Photographs - EUT Constructional Details

Please refer to the Attachment B.