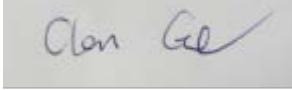


RF TEST REPORT



Report No.: FCC_RF_SL15032701-AER-004_UNII

Supersede Report No.: None

Applicant	Aerohive Networks, Inc.	
Product Name	AP1130 with AH-ACC-1130-ANT-SEC	
Model No.	AP1130	
Test Standard	47 CFR 15.247	
Test Method	ANSI C63.10: 2013 558074 D01 DTS Meas Guidance v03r03	
FCC ID	WBV-AP1130	
IC ID	774A-AP1130	
Date of test	11/30/2015-01/06/2016	
Issue Date	01/19/2016	
Test Result	Pass	Fail
Equipment complied with the specification		[x]
Equipment did not comply with the specification		[]
 		
Rachana Khanduri	Chen Ge	
Test Engineer	Engineer Reviewer	
This test report may be reproduced in full only Test result presented in this test report is applicable to the tested sample only		

Issued By:
SIEMIC Laboratories
775 Montague Expressway, Milpitas, 95035 CA



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Laboratory Introduction

SIEMIC, headquartered in the heart of Silicon Valley, with superior facilities in US and Asia, is one of the leading independent testing and certification facilities providing customers with one-stop shop services for Compliance Testing and Global Certifications.



In addition to testing and certification, SIEMIC provides initial design reviews and compliance management throughout a project. Our extensive experience with China, Asia Pacific, North America, European, and International compliance requirements, assures the fastest, most cost effective way to attain regulatory compliance for the global markets.

Accreditations for Conformity Assessment

Country/Region	Accreditation Body	Scope
USA	FCC, A2LA	EMC, RF/Wireless, Telecom
Canada	IC, A2LA, NIST	EMC, RF/Wireless, Telecom
Taiwan	BSMI, NCC, NIST	EMC, RF, Telecom, Safety
Hong Kong	OFTA, NIST	RF/Wireless, Telecom
Australia	NATA, NIST	EMC, RF, Telecom, Safety
Korea	KCC/RRA, NIST	EMI, EMS, RF, Telecom, Safety
Japan	VCCI, JATE, TELEC, RFT	EMI, RF/Wireless, Telecom
Mexico	NOM, COFETEL, Caniety	Safety, EMC, RF/Wireless, Telecom
Europe	A2LA, NIST	EMC, RF, Telecom, Safety
Israel	MOC, NIST	EMC, RF, Telecom, Safety

Accreditations for Product Certifications

Country	Accreditation Body	Scope
USA	FCC TCB, NIST	EMC, RF, Telecom
Canada	IC FCB, NIST	EMC, RF, Telecom
Singapore	iDA, NIST	EMC, RF, Telecom
EU	NB	EMC & R&TTE Directive
Japan	MIC (RCB 208)	RF, Telecom
Hong Kong	OFTA (US002)	RF, Telecom

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1 Report Revision History

Report No.	Report Version	Description	Issue Date
FCC_RF_SL15032701-AER-004_UNII	None	Original	01/19/2016

2 Executive Summary

The purpose of this test program was to demonstrate compliance of following product

Company: Aerohive Networks, Inc.
Product: AP1130 with AH-ACC-1130-ANT-SEC
Model: AP1130

against the current Stipulated Standards. The specified model product stated above has demonstrated compliance with the Stipulated Standard listed on 1st page.

3 Customer information

Applicant Name	Aerohive Networks, Inc.
Applicant Address	330 Gibraltar Dr. Sunnyvale, CA 94089, USA
Manufacturer Name	SmartAnt Telecom Co., Ltd.
Manufacturer Address	3F, No.58, Park Avenue II, Science-based Industrial Park, Hsinchu 30075, Taiwan

4 Test site information

Lab performing tests	SIEMIC Laboratories
Lab Address	775 Montague Expressway, Milpitas, CA 95035
FCC Test Site No.	881796
IC Test Site No.	4842D-2
VCCI Test Site No.	A0133

5 Modification

Index	Item	Description	Note
-	-	-	-

6 EUT Information

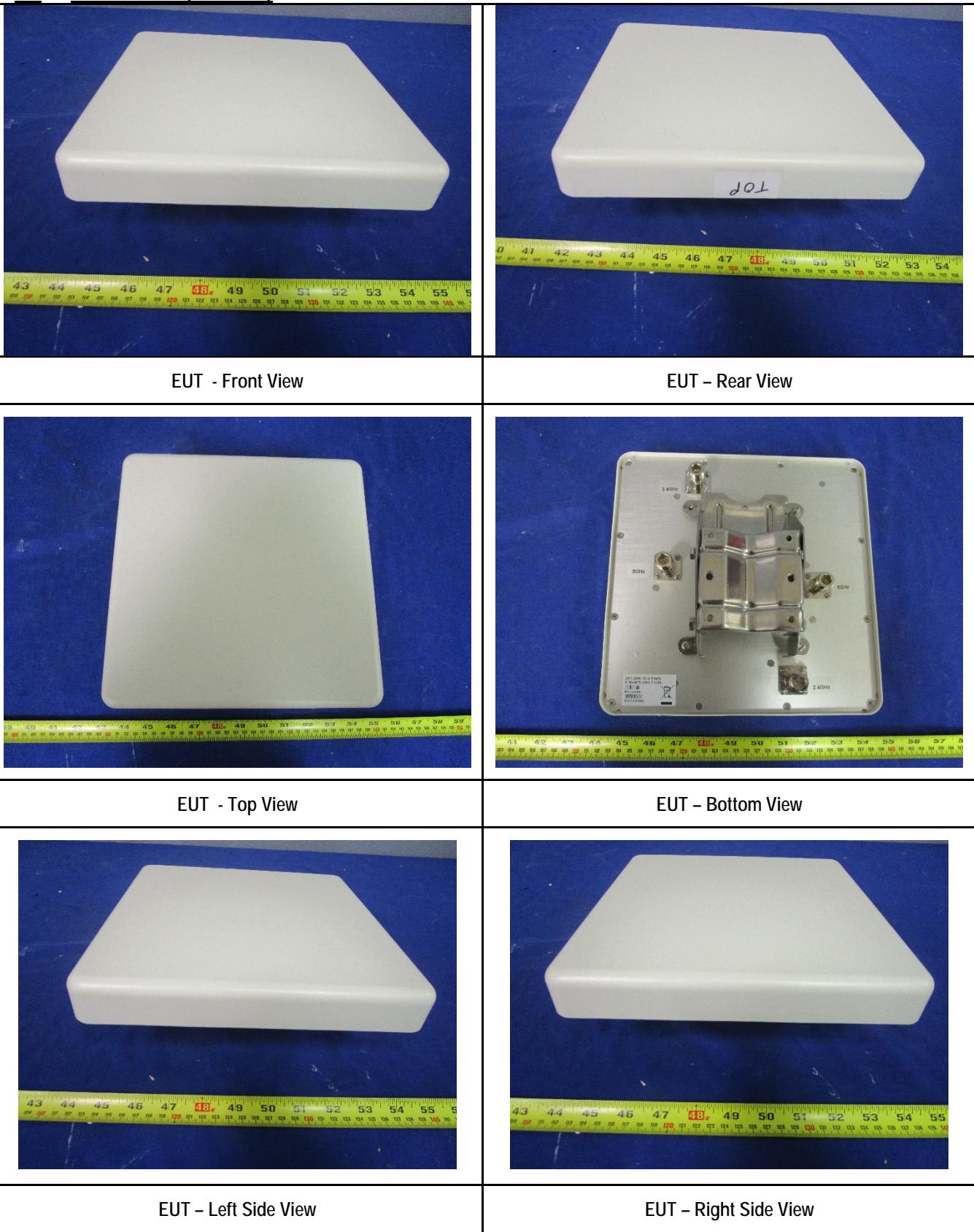
6.1 EUT Description

Product Name	:	AP1130 with AH-ACC-1130-ANT-SEC
Model No.	:	AP1130
Trade Name	:	Aerohive
Serial No.	:	N/A
Host Model No.	:	N/A
Input Power	:	100-240VDC, 50/60Hz
Power Adapter Manu/Model	:	N/A
Power Adapter SN	:	N/A
Date of EUT received	:	30/09/2015
Equipment Class/ Category	:	DTS, UNII
Clock Frequencies	:	N/A
Port/Connectors	:	PoE, Ethernet

6.2 Radio Description

Radio Type	802.11b	802.11g	802.11a	802.11n-20M	802.11n-40M	802.11ac-80M
Operating Frequency	2412-2462MHz	2412-2462MHz	5180-5240MHz 5260-5320MHz 5500-5700MHz 5725-5825MHz	2412-2462MHz 5180-5240MHz 5240-5320MHz 5500-5700MHz 5725-5825MHz	5190-5230MHz 5270-5310MHz 5510-5670MHz 5755-5795MHz	5210MHz, 5290MHz 5530MHz, 5610MHz, 5690MHz,5775MHz
Modulation	DSSS (CCK, DQPSK, DBPSK)	OFDM-CCK (BPSK, QPSK, 16QAM, 64QAM)	OFDM (BPSK, QPSK, 16QAM, 64QAM)	OFDM (BPSK, QPSK, 16QAM, 64QAM)	OFDM (BPSK, QPSK, 16QAM, 64QAM)	OFDM (BPSK, QPSK, 16QAM, 64QAM)
Channel Spacing	5MHz	5MHz	20MHz	5MHz(2.4GHz), 20MHz (5GHz)	40MHz	80MHz
Number of Channels	11	11	22	11(2.4GH) 22 (5GHz)	10(5GHz)	6 (5GHz)
Antenna Type	Directional Antenna					
Antenna Gain (Peak)	5dBi (for 2.4GHz) 5.5dBi (5GHz)					
Antenna Connector Type	N Jack x 4					
Remarks	2.4GHz and 5GHz Radio can transmit simultaneously					

6.3 EUT Photos (External)





Access Point - Front View



Access Point - Rear View



Access Point - Top View



Access Point- Bottom View

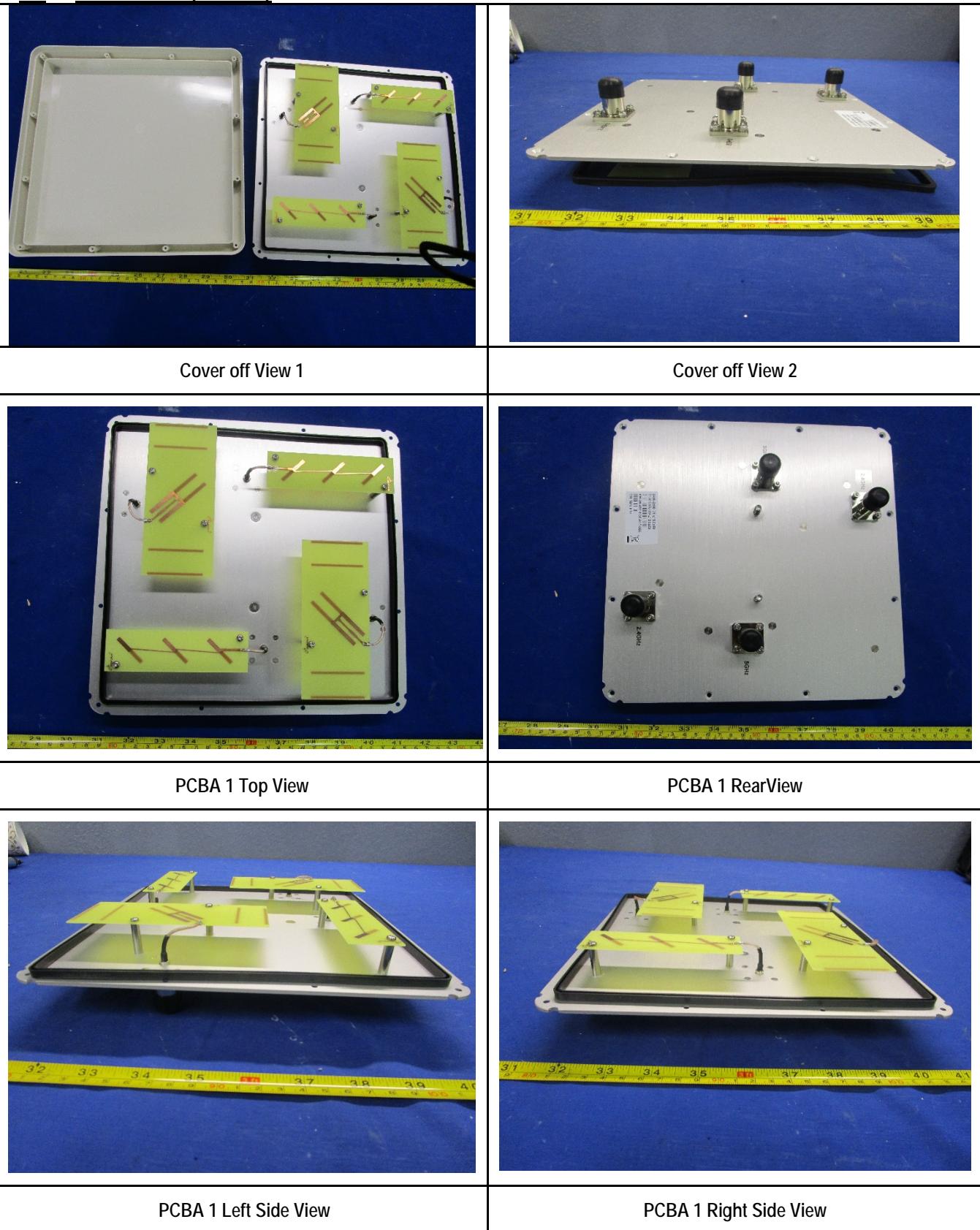


Access Point- Left Side View



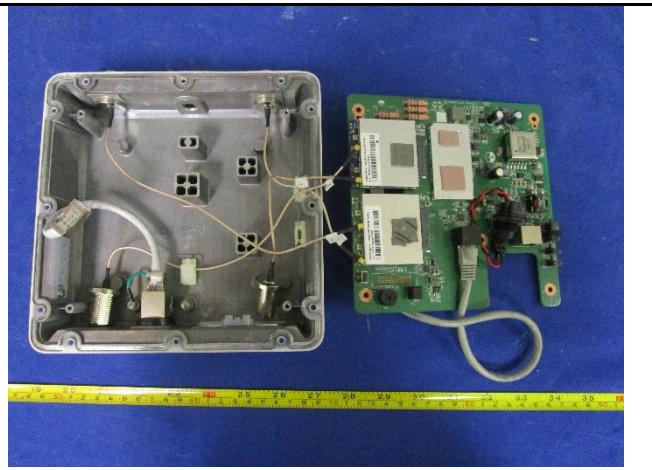
Access Point- Right Side View

6.4 EUT Photos (Internal)





AP Cover off View 1



AP View 2



AP PCBA Top View



AP PCBA RearView

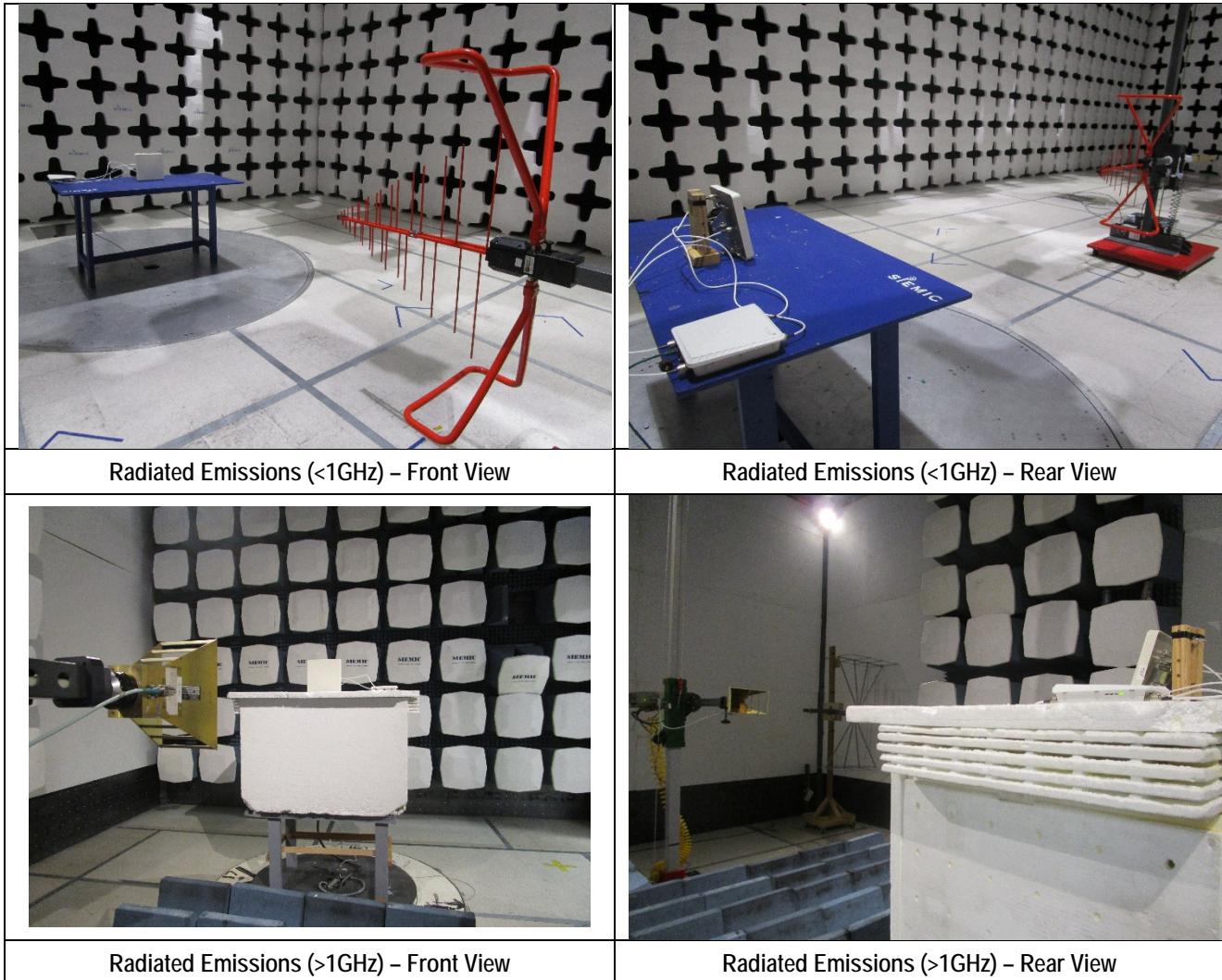


Support Equipment Power Supply Top View



Support Equipment Power Supply Bottom View

6.5 EUT Test Setup Photos



7 Supporting Equipment/Software and cabling Description

7.1 Supporting Equipment

Item	Supporting Equipment Description	Model	Serial Number	Manufacturer	Note
1.	Laptop	PP18L Latitude D620	N/A	Dell	-

7.2 Cabling Description

Name	Connection Start		Connection Stop		Length / shielding Info		Note
	From	I/O Port	To	I/O Port	Length (m)	Shielding	
RJ45	AP	RJ45	POE	RJ45	2	Unshielded	-
N-Jack	EUT	N-Jack	AP	N-Jack	1	Unshielded	-

7.3 Test Software Description

Test Item	Software	Description
RF Testing	Putty.exe	Set the EUT to transmit continuously in different test mode

8 Test Summary

Test Item	Test standard		Test Method/Procedure	Pass / Fail
Restricted Band of Operation	FCC	15.205	ANSI C63.10 – 2013 789033 D02 General UNII Test Procedures New Rules v01	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> N/A
AC Conducted Emissions Voltage	FCC	15.207(a)	ANSI C63.10 – 2013	<input type="checkbox"/> Pass <input checked="" type="checkbox"/> N/A

Test Item	Test standard		Test Method/Procedure	Pass / Fail
26 & 6 dB Emission Bandwidth	FCC	15.407 (a) (2)	789033 D02 General UNII Test Procedures New Rules v01	<input type="checkbox"/> Pass <input checked="" type="checkbox"/> N/A
Maximum conducted Output Power	FCC	15.407 (a) (2)	789033 D02 General UNII Test Procedures New Rules v01	<input type="checkbox"/> Pass <input checked="" type="checkbox"/> N/A
Power reduction (Antenna Gain > 6 dBi)	FCC	15.407 (a) (2)	-	<input type="checkbox"/> Pass <input checked="" type="checkbox"/> N/A
Band Edge and Radiated Spurious Emissions	FCC	15.407(b)(2), 15.407(b)(6)	ANSI C63.10 – 2013 789033 D02 General UNII Test Procedures New Rules v01	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> N/A
Power Spectral Density	FCC	15.407 (a) (2)	789033 D02 General UNII Test Procedures New Rules v01	<input type="checkbox"/> Pass <input checked="" type="checkbox"/> N/A
User Manual	FCC	-	-	
Remark	1. All measurement uncertainties are not taken into consideration for all presented test result. 2. The applicant shall ensure frequency stability by showing that an emission is maintained within the band of operation under all normal operating conditions as specified in the user's manual.			
Note	Only Radiated Spurious Emission was tested for AP1130 with sector antenna. Please refer to the report FR472301AB (Sporton Lab) for rest of the items.			

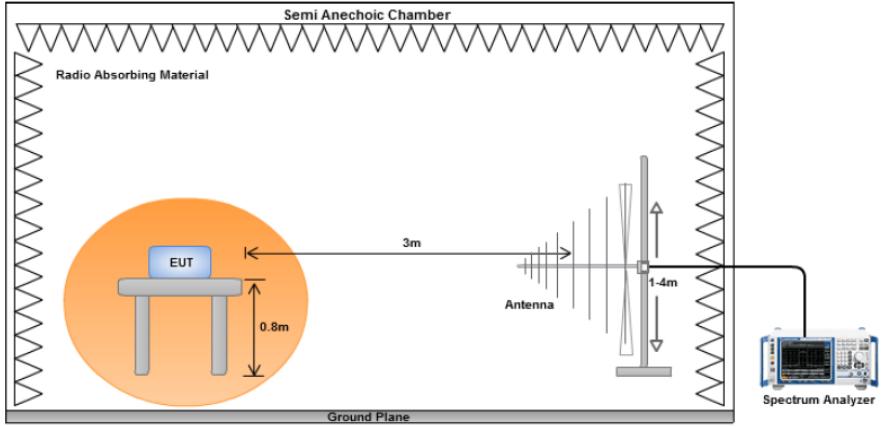
9 Measurement Uncertainty

Emissions			
Test Item	Frequency Range	Description	Uncertainty
Band Edge and Radiated Spurious Emissions	30MHz – 1GHz	Confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2 (for EUTs < 0.5m X 0.5m X 0.5m)	+5.6dB/-4.5dB
Band Edge and Radiated Spurious Emissions	1GHz – 40GHz	Confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2 (for EUTs < 0.5m X 0.5m X 0.5m)	+4.3dB/-4.1dB

10 Measurements, Examination and Derived Results

10.1 Radiated Emissions below 1GHz

Requirement(s):

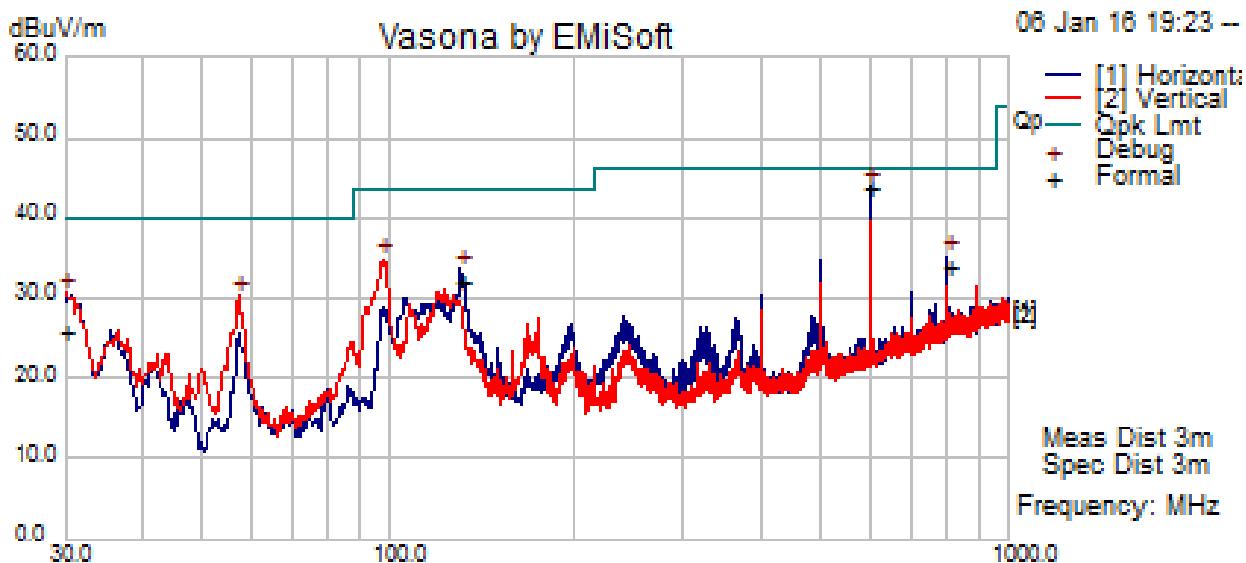
Spec	Requirement	Applicable										
47CFR§ 15.407(b) 15.209 (a)	<p>Except higher limit as specified elsewhere in other section, the emissions from the low-power radio-frequency devices shall not exceed the field strength levels specified in the following table and the level of any unwanted emissions shall not exceed the level of the fundamental emission. The tighter limit applies at the band edges</p> <table border="1"> <thead> <tr> <th>Frequency range (MHz)</th> <th>Field Strength (uV/m)</th> </tr> </thead> <tbody> <tr> <td>30 – 88</td> <td>100</td> </tr> <tr> <td>88 – 216</td> <td>150</td> </tr> <tr> <td>216 – 960</td> <td>200</td> </tr> <tr> <td>Above 960</td> <td>500</td> </tr> </tbody> </table>	Frequency range (MHz)	Field Strength (uV/m)	30 – 88	100	88 – 216	150	216 – 960	200	Above 960	500	<input checked="" type="checkbox"/>
Frequency range (MHz)	Field Strength (uV/m)											
30 – 88	100											
88 – 216	150											
216 – 960	200											
Above 960	500											
Test Setup												
Procedure	<ol style="list-style-type: none"> 1. The EUT was switched on and allowed to warm up to its normal operating condition. 2. The test was carried out at the selected frequency points obtained from the EUT characterisation. Maximization of the emissions, was carried out by rotating the EUT, changing the antenna polarization, and adjusting the antenna height in the following manner: <ol style="list-style-type: none"> a. Vertical or horizontal polarisation (whichever gave the higher emission level over a full rotation of the EUT) was chosen. b. The EUT was then rotated to the direction that gave the maximum emission. c. Finally, the antenna height was adjusted to the height that gave the maximum emission. A Quasi-peak measurement was then made for that frequency point. 3. Steps 2 and 3 were repeated for the next frequency point, until all selected frequency points were measured. 											
Remark	Both horizontal and vertical polarities were investigated. The results show only the worst case.											
Result	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail											

Test Data Yes (See below) N/A

Test Plot Yes (See below) N/A

Radiated Emission Test Results (Below 1GHz)

Test specification		Below 1GHz	
Environmental Conditions:	Temp (°C):	25.7	Result
	Humidity (%)	29	
	Atmospheric (mPa):	1021	
	Mains Power:	110VAC, 60Hz	
	Tested by:	Rachana Khanduri	
	Test Date:	01/06/2016	
Remarks:		5GHz 802.11ac 5785MHz	Pass

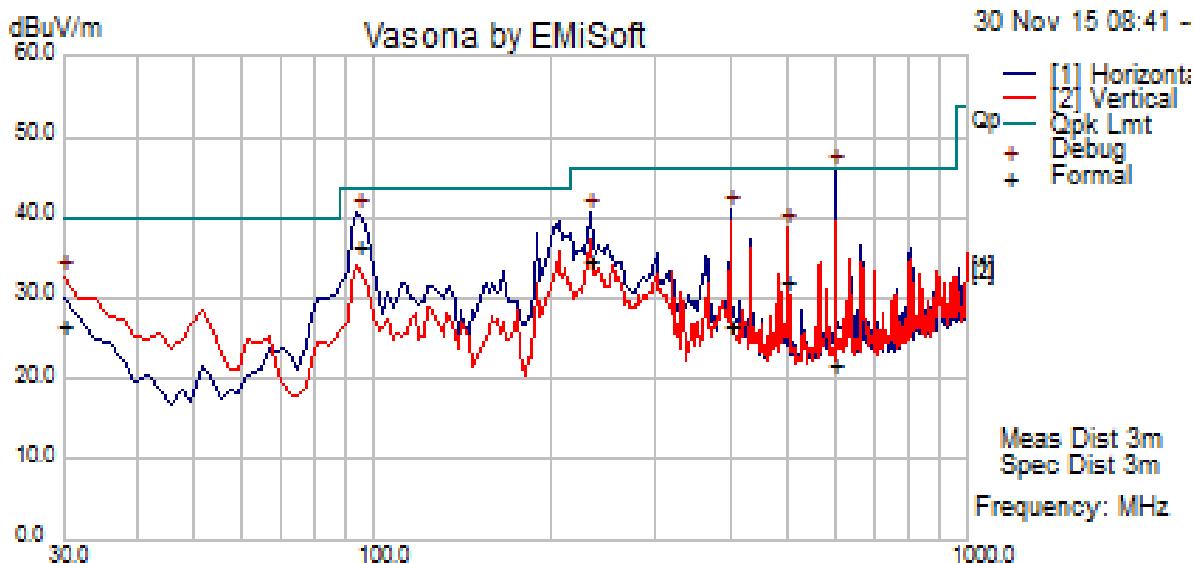


Quasi Max Measurement

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
600.00	59.21	4.25	-19.66	43.81	Quasi Max	H	184.00	7.00	46.02	-2.21	Pass
130.59	54.67	1.90	-24.62	31.95	Quasi Max	H	137.00	218.00	43.52	-11.57	Pass
800.01	46.03	5.01	-17.07	33.98	Quasi Max	H	100.00	272.00	46.02	-12.04	Pass
30.00	39.38	0.81	-14.38	25.81	Quasi Max	H	157.00	334.00	40.00	-14.19	Pass

Note: Both horizontal and vertical polarities were investigated. The results above show only the worst case.

Test specification	below 1GHz			
Environmental Conditions:	Temp (°C):	26.1	Result	
	Humidity (%)	47.5		
	Atmospheric (mbar):	1020		
Mains Power:	120VAC, 60Hz			
Tested by:	Rachana Khanduri			
Test Date:	11/30/2015			
Remarks:	2.4GHz and 5GHz transmitting simultaneously			



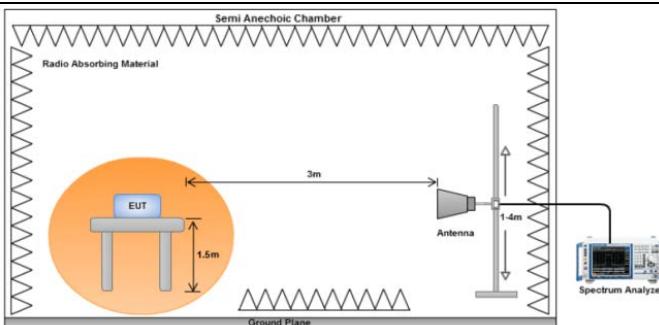
Quasi Max Measurement

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
599.73	37.19	4.25	-19.66	21.78	Quasi Max	H	117	233	46.02	-24.24	Pass
94.21	64.47	1.55	-29.79	36.23	Quasi Max	H	196	356	43.52	-7.29	Pass
399.42	46.14	3.49	-23.10	26.53	Quasi Max	H	177	206	46.02	-19.49	Pass
232.09	58.99	2.62	-27.12	34.49	Quasi Max	H	101	204	46.02	-11.53	Pass
498.72	49.12	4.00	-21.07	32.05	Quasi Max	V	112	27	46.02	-13.97	Pass
30.00	40.12	0.81	-14.38	26.54	Quasi Max	V	139	30	40.00	-13.46	Pass

Note: Both horizontal and vertical polarities were investigated. The results above show only the worst case.

10.2 Radiated Spurious Emissions above 1GHz

Requirement(s):

Spec	Item	Requirement	Applicable
47CFR§ 15.407(b)(2), 15.407(b)(6)	(1)	For transmitters operating in the 5.15-5.25 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz.	<input checked="" type="checkbox"/>
	(2)	For transmitters operating in the 5.25-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5.25-5.35 GHz band that generate emissions in the 5.15-5.25 GHz band must meet all applicable technical requirements for operation in the 5.15-5.25 GHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5.15-5.25 GHz band.	<input checked="" type="checkbox"/>
	(3)	For transmitters operating in the 5.47-5.725 GHz band: all emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz.	<input checked="" type="checkbox"/>
	(4)	For transmitters operating in the 5.725-5.825 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 EIRP of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an EIRP of -27 dBm/MHz.	<input checked="" type="checkbox"/>
	(5)	Restricted band, emission must also comply with the radiated emission limits specified in 15.209	<input checked="" type="checkbox"/>
Test Setup			
Procedure	<ol style="list-style-type: none"> 1. The EUT was switched on and allowed to warm up to its normal operating condition. 2. The test was carried out at the selected frequency points obtained from the EUT characterisation. Maximization of the emissions, was carried out by rotating the EUT, changing the antenna polarization, and adjusting the antenna height in the following manner: <ol style="list-style-type: none"> a. Vertical or horizontal polarisation (whichever gave the higher emission level over a full rotation of the EUT) was chosen. b. The EUT was then rotated to the direction that gave the maximum emission. c. Finally, the antenna height was adjusted to the height that gave the maximum emission. An average measurement was then made for that frequency point. 3. Steps 2 and 3 were repeated for the next frequency point, until all selected frequency points were measured. 		
Remark	The EUT was scanned up to 40GHz. Both horizontal and vertical polarities were investigated. The results show only the worst case.		
Result	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail		

Test Data Yes (See below) N/A

Test Plot Yes (See below) N/A

Radiated Emission Test Results (Above 1GHz)

802.11a – 5180MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
3942.71	37.23	8.19	15.54	60.97	Peak Max	H	144.00	355.00	74.00	-13.03	Pass
6173.51	37.07	10.70	14.17	61.93	Peak Max	V	208.00	161.00	74.00	-12.07	Pass
3942.71	25.50	8.19	15.54	49.24	Average Max	H	144.00	355.00	54.00	-4.76	Pass
6173.51	25.03	10.70	14.17	49.90	Average Max	V	208.00	161.00	54.00	-4.10	Pass

802.11a – 5200MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
6120.61	36.70	10.63	14.30	61.63	Peak Max	H	246.00	196.00	74.00	-12.37	Pass
1011.32	43.41	3.37	13.18	59.96	Peak Max	V	134.00	189.00	74.00	-14.04	Pass
1011	31.29	3.37	13.18	47.84	Average Max	V	134.00	189.00	54.00	-6.16	Pass
6120.61	24.70	10.63	14.30	49.63	Average Max	H	246.00	196.00	54.00	-4.37	Pass

802.11a – 5240MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4101.83	38.07	8.76	15.30	62.13	Peak Max	V	251.00	346.00	74.00	-11.87	Pass
6312.74	36.30	10.87	13.84	61.02	Peak Max	V	119.00	264.00	74.00	-12.99	Pass
4101.83	25.66	8.76	15.30	49.72	Average Max	V	251.00	346.00	54.00	-4.28	Pass
6312.74	24.41	10.87	13.84	49.12	Average Max	V	119.00	264.00	54.00	-4.88	Pass

802.11a – 5260MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4091.11	38.49	8.73	15.35	62.57	Peak Max	H	229.00	33.00	74.00	-11.43	Pass
6311.26	36.60	10.87	13.85	61.31	Peak Max	V	125.00	34.00	74.00	-12.69	Pass
4091.11	26.39	8.73	15.35	50.47	Average Max	H	229.00	33.00	54.00	-3.53	Pass
6311.26	25.00	10.87	13.85	49.72	Average Max	V	125.00	34.00	54.00	-4.28	Pass

802.11a – 5300MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4164.27	36.98	8.91	15.03	60.92	Peak Max	V	110.00	151.00	74.00	-13.08	Pass
6226.05	36.35	10.76	14.05	61.16	Peak Max	H	201.00	297.00	74.00	-12.84	Pass
4164.27	25.92	8.91	15.03	49.87	Average Max	V	110.00	151.00	54.00	-4.13	Pass
6226.05	24.62	10.76	14.05	49.43	Average Max	H	201.00	297.00	54.00	-4.57	Pass

802.11a – 5320MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4019.44	38.71	8.55	15.66	62.93	Peak Max	H	148.00	173.00	74.00	-11.07	Pass
1001.31	43.26	3.35	13.20	59.81	Peak Max	V	207.00	336.00	74.00	-14.19	Pass
4019.44	26.03	8.55	15.66	50.24	Average Max	H	148.00	173.00	54.00	-3.76	Pass
1001.31	31.58	3.35	13.20	48.13	Average Max	V	207.00	336.00	54.00	-5.87	Pass

802.11a – 5500MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4231.97	38.96	9.08	14.74	62.78	Peak Max	H	234.00	143.00	74.00	-11.22	Pass
2030.30	39.83	4.31	14.90	59.04	Peak Max	V	171.00	318.00	74.00	-14.97	Pass
4231.97	26.54	9.08	14.74	50.36	Average Max	H	234.00	143.00	54.00	-3.64	Pass
2030.30	28.22	4.31	14.90	47.43	Average Max	V	171.00	318.00	54.00	-6.57	Pass

802.11a – 5580MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4314.96	38.59	9.28	14.40	62.27	Peak Max	H	243.00	0.00	74.00	-11.74	Pass
1000.00	35.11	3.35	13.20	51.66	Peak Max	V	211.00	53.00	74.00	-22.34	Pass
4314.96	26.20	9.28	14.40	49.88	Average Max	H	243.00	0.00	54.00	-4.12	Pass
1000.00	31.70	3.35	13.20	48.25	Average Max	V	211.00	53.00	54.00	-5.75	Pass

802.11a – 5700MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
6270.84	37.27	10.82	13.94	62.03	Peak Max	H	154.00	342.00	74.00	-11.97	Pass
1989.16	41.17	4.27	14.92	60.36	Peak Max	V	232.00	278.00	74.00	-13.64	Pass
6270.84	25.10	10.82	13.94	49.86	Average Max	H	154.00	342.00	54.00	-4.14	Pass
1989.16	28.42	4.27	14.92	47.61	Average Max	V	232.00	278.00	54.00	-6.39	Pass

802.11a – 5745MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4092.35	37.42	8.73	15.34	61.50	Peak Max	V	190.00	233.00	74.00	-12.51	Pass
6333.32	36.42	10.89	13.80	61.11	Peak Max	H	117.00	56.00	74.00	-12.89	Pass
4092.35	26.24	8.73	15.34	50.32	Average Max	V	190.00	233.00	54.00	-3.69	Pass
6333.32	24.83	10.89	13.80	49.52	Average Max	H	117.00	56.00	54.00	-4.48	Pass

802.11a – 5785MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4165.04	37.92	8.92	15.03	61.86	Peak Max	V	142.00	217.00	74.00	-12.14	Pass
6162.72	36.95	10.68	14.20	61.83	Peak Max	V	208.00	229.00	74.00	-12.17	Pass
4165.04	26.32	8.92	15.03	50.27	Average Max	V	142.00	217.00	54.00	-3.73	Pass
6162.72	25.28	10.68	14.20	50.16	Average Max	V	208.00	229.00	54.00	-3.84	Pass

802.11a – 5825MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4006.98	37.62	8.52	15.72	61.86	Peak Max	V	126.00	335.00	74.00	-12.14	Pass
6155.09	38.02	10.67	14.21	62.91	Peak Max	H	172.00	174.00	74.00	-11.10	Pass
4006.98	25.93	8.52	15.72	50.16	Average Max	V	126.00	335.00	54.00	-3.84	Pass
6155.09	25.35	10.67	14.21	50.24	Average Max	H	172.00	174.00	54.00	-3.76	Pass

802.11n20 – 5180MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4134.04	37.39	8.84	15.16	61.39	Peak Max	V	138.00	252.00	74.00	-12.61	Pass
6271.09	36.10	10.82	13.94	60.86	Peak Max	H	190.00	119.00	74.00	-13.14	Pass
4134.04	25.80	8.84	15.16	49.80	Average Max	V	138.00	252.00	54.00	-4.20	Pass
6271.09	24.53	10.82	13.94	49.28	Average Max	H	190.00	119.00	54.00	-4.72	Pass

802.11n20 – 5200MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
6161.89	37.77	10.68	14.20	62.65	Peak Max	H	161.00	219.00	74.00	-11.35	Pass
1008.87	43.34	3.36	13.19	59.89	Peak Max	H	199.00	46.00	74.00	-14.11	Pass
6161.89	24.56	10.68	14.20	49.45	Average Max	H	161.00	219.00	54.00	-4.56	Pass
1008.87	31.78	3.36	13.19	48.33	Average Max	H	199.00	46.00	54.00	-5.67	Pass

802.11n20 – 5240MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
5238.80	37.95	9.88	13.16	61.00	Peak Max	V	211.00	177.00	74.00	-13.00	Pass
6141.98	36.19	10.66	14.25	61.09	Peak Max	H	201.00	65.00	74.00	-12.91	Pass
5238.80	26.76	9.88	13.16	49.80	Average Max	V	211.00	177.00	54.00	-4.20	Pass
6141.98	24.67	10.66	14.25	49.58	Average Max	H	201.00	65.00	54.00	-4.42	Pass

802.11n20 – 5260MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4124.38	38.39	8.81	15.20	62.41	Peak Max	H	138.00	185.00	74.00	-11.59	Pass
6119.55	36.93	10.63	14.30	61.87	Peak Max	V	133.00	7.00	74.00	-12.14	Pass
4124.38	25.87	8.81	15.20	49.89	Average Max	H	138.00	185.00	54.00	-4.12	Pass
6119.55	24.63	10.63	14.30	49.56	Average Max	V	133.00	7.00	54.00	-4.44	Pass

802.11n20 – 5300MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4228.92	37.41	9.07	14.76	61.24	Peak Max	V	149.00	220.00	74.00	-12.76	Pass
6300.74	36.47	10.85	13.87	61.20	Peak Max	V	220.00	8.00	74.00	-12.80	Pass
4228.92	25.69	9.07	14.76	49.52	Average Max	V	149.00	220.00	54.00	-4.48	Pass
6300.74	24.46	10.85	13.87	49.18	Average Max	V	220.00	8.00	54.00	-4.82	Pass

802.11n20 – 5320MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4082.36	37.76	8.71	15.39	61.85	Peak Max	V	196.00	359.00	74.00	-12.15	Pass
6109.91	36.67	10.62	14.32	61.61	Peak Max	H	166.00	187.00	74.00	-12.39	Pass
4082.36	25.91	8.71	15.39	50.01	Average Max	V	196.00	359.00	54.00	-3.99	Pass
6109.91	24.52	10.62	14.32	49.47	Average Max	H	166.00	187.00	54.00	-4.54	Pass

802.11n20 – 5500MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4058.15	37.61	8.65	15.49	61.75	Peak Max	H	204.00	327.00	74.00	-12.25	Pass
1000.00	34.20	3.35	13.20	50.75	Peak Max	V	144.00	0.00	74.00	-23.25	Pass
4058.15	25.64	8.65	15.49	49.78	Average Max	H	204.00	327.00	54.00	-4.22	Pass
1000.00	31.86	3.35	13.20	48.41	Average Max	V	144.00	0.00	54.00	-5.59	Pass

802.11n20 – 5580MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4188.66	37.92	8.97	14.93	61.83	Peak Max	V	154.00	0.00	74.00	-12.17	Pass
6217.77	36.19	10.75	14.07	61.01	Peak Max	V	140.00	234.00	74.00	-12.99	Pass
4188.66	25.80	8.97	14.93	49.70	Average Max	V	154.00	0.00	54.00	-4.30	Pass
6217.77	24.53	10.75	14.07	49.35	Average Max	V	140.00	234.00	54.00	-4.66	Pass

802.11n20 – 5700MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4080.67	38.08	8.71	15.39	62.18	Peak Max	H	122.00	97.00	74.00	-11.82	Pass
6153.36	35.61	10.67	14.22	60.50	Peak Max	H	197.00	130.00	74.00	-13.50	Pass
4080.67	25.91	8.71	15.39	50.01	Average Max	H	122.00	97.00	54.00	-4.00	Pass
6153.36	24.68	10.67	14.22	49.58	Average Max	H	197.00	130.00	54.00	-4.43	Pass

802.11n20 – 5745MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4272.35	36.61	9.18	14.57	60.36	Peak Max	V	134.00	245.00	74.00	-13.64	Pass
6151.81	36.49	10.67	14.22	61.38	Peak Max	H	207.00	255.00	74.00	-12.62	Pass
4272.35	25.16	9.18	14.57	48.91	Average Max	V	134.00	245.00	54.00	-5.09	Pass
6151.81	24.77	10.67	14.22	49.66	Average Max	H	207.00	255.00	54.00	-4.34	Pass

802.11n20 – 5785MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4186.21	37.74	8.97	14.94	61.64	Peak Max	V	168.00	225.00	74.00	-12.36	Pass
6165.59	36.04	10.69	14.19	60.92	Peak Max	V	130.00	16.00	74.00	-13.08	Pass
4186.21	25.84	8.97	14.94	49.74	Average Max	V	168.00	225.00	54.00	-4.26	Pass
6165.59	24.56	10.69	14.19	49.44	Average Max	V	130.00	16.00	54.00	-4.56	Pass

802.11n20 – 5825MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4207.31	37.02	9.02	14.85	60.89	Peak Max	H	109.00	36.00	74.00	-13.11	Pass
6098.54	36.86	10.60	14.35	61.81	Peak Max	V	109.00	191.00	74.00	-12.19	Pass
4207.31	25.66	9.02	14.85	49.53	Average Max	H	109.00	36.00	54.00	-4.47	Pass
6098.54	24.39	10.60	14.35	49.35	Average Max	V	109.00	191.00	54.00	-4.66	Pass

802.11n40 – 5190MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
6141.51	36.91	10.66	14.25	61.81	Peak Max	V	201.00	263.00	74.00	-12.19	Pass
1040.96	43.86	3.41	13.13	60.41	Peak Max	H	222.00	345.00	74.00	-13.59	Pass
6141.51	25.01	10.66	14.25	49.92	Average Max	V	201.00	263.00	54.00	-4.08	Pass
1040.96	31.53	3.41	13.13	48.08	Average Max	H	222.00	345.00	54.00	-5.93	Pass

802.11n40 – 5230MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4167.07	37.29	8.92	15.02	61.23	Peak Max	V	182.00	200.00	74.00	-12.77	Pass
6121.70	36.94	10.63	14.29	61.87	Peak Max	V	160.00	195.00	74.00	-12.13	Pass
4167.07	25.85	8.92	15.02	49.79	Average Max	V	182.00	200.00	54.00	-4.21	Pass
6121.70	24.71	10.63	14.29	49.64	Average Max	V	160.00	195.00	54.00	-4.36	Pass

802.11n40 – 5270MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4093.43	37.64	8.74	15.34	61.72	Peak Max	H	168.00	218.00	74.00	-12.28	Pass
6068.66	35.55	10.57	14.42	60.54	Peak Max	H	142.00	185.00	74.00	-13.46	Pass
4093.43	26.00	8.74	15.34	50.08	Average Max	H	168.00	218.00	54.00	-3.93	Pass
6068.66	24.40	10.57	14.42	49.39	Average Max	H	142.00	185.00	54.00	-4.61	Pass

802.11n40 – 5310MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
6247.32	35.81	10.79	14.00	60.59	Peak Max	V	232.00	347.00	74.00	-13.41	Pass
2073.60	40.23	4.35	14.76	59.34	Peak Max	H	168.00	208.00	74.00	-14.66	Pass
6247.32	24.47	10.79	14.00	49.26	Average Max	V	232.00	347.00	54.00	-4.74	Pass
2073.60	28.34	4.35	14.76	47.45	Average Max	H	168.00	208.00	54.00	-6.55	Pass

802.11n40 – 5510MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4167.95	37.88	8.92	15.02	61.82	Peak Max	H	226.00	164.00	74.00	-12.18	Pass
6131.88	35.87	10.65	14.27	60.79	Peak Max	H	243.00	128.00	74.00	-13.21	Pass
4167.95	25.86	8.92	15.02	49.80	Average Max	H	226.00	164.00	54.00	-4.20	Pass
6131.88	24.64	10.65	14.27	49.55	Average Max	H	243.00	128.00	54.00	-4.45	Pass

802.11n40 – 5550MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
17542.82	35.51	16.72	13.96	66.19	Peak Max	H	248.00	189.00	74.00	-7.81	Pass
6111.37	36.31	10.62	14.32	61.25	Peak Max	V	174.00	270.00	74.00	-12.75	Pass
17542.82	23.35	16.72	13.96	54.03	Average Max	H	248.00	189.00	54.00	0.03	Pass
6111.37	24.52	10.62	14.32	49.46	Average Max	V	174.00	270.00	54.00	-4.54	Pass

802.11n40 – 5670MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
17563.78	35.26	16.68	13.99	65.93	Peak Max	H	155.00	2.00	74.00	-8.07	Pass
6151.63	36.40	10.67	14.22	61.29	Peak Max	V	109.00	16.00	74.00	-12.71	Pass
17563.78	23.27	16.68	13.99	53.94	Average Max	H	155.00	2.00	54.00	-0.06	Pass
6151.63	24.64	10.67	14.22	49.53	Average Max	V	109.00	16.00	54.00	-4.47	Pass

802.11n40 – 5755MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
17648.05	35.66	16.53	14.07	66.26	Peak Max	H	145.00	180.00	74.00	-7.74	Pass
6143.66	36.36	10.66	14.24	61.27	Peak Max	H	147.00	339.00	74.00	-12.73	Pass
17648.05	23.19	16.53	14.07	53.79	Average Max	H	145.00	180.00	54.00	-0.21	Pass
6143.66	24.63	10.66	14.24	49.54	Average Max	H	147.00	339.00	54.00	-4.47	Pass

802.11n40 – 5795MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
17541.89	36.20	16.72	13.96	66.88	Peak Max	V	109.00	296.00	74.00	-7.12	Pass
6119.31	36.25	10.63	14.30	61.18	Peak Max	H	244.00	90.00	74.00	-12.82	Pass
17541.89	23.37	16.72	13.96	54.05	Average Max	V	109.00	296.00	54.00	0.05	Pass
6119.31	24.74	10.63	14.30	49.68	Average Max	H	244.00	90.00	54.00	-4.33	Pass

802.11ac-80M – 5210MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4166.42	38.49	8.92	15.02	62.44	Peak Max	H	174.00	63.00	74.00	-11.57	Pass
17384.38	35.06	16.77	13.57	65.41	Peak Max	H	216.00	71.00	74.00	-8.59	Pass
4166.42	26.21	8.92	15.02	50.15	Average Max	H	174.00	63.00	54.00	-3.85	Pass
17384.38	23.23	16.77	13.57	53.57	Average Max	H	216	71	54	-0.43	Pass

802.11ac80 – 5290MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4157.23	37.85	8.90	15.06	61.81	Peak Max	V	222.00	154.00	74.00	-12.19	Pass
6225.50	36.62	10.76	14.05	61.43	Peak Max	V	193.00	277.00	74.00	-12.57	Pass
4157.23	26.00	8.90	15.06	49.96	Average Max	V	222.00	154.00	54.00	-4.04	Pass
6225.50	24.83	10.76	14.05	49.64	Average Max	V	193.00	277.00	54.00	-4.36	Pass

802.11ac80 – 5530MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4208.09	37.47	9.02	14.85	61.34	Peak Max	V	213.00	332.00	74.00	-12.66	Pass
6162.31	36.69	10.68	14.20	61.57	Peak Max	V	242.00	28.00	74.00	-12.43	Pass
4208.09	25.62	9.02	14.85	49.48	Average Max	V	213.00	332.00	54.00	-4.52	Pass
6162.31	24.55	10.68	14.20	49.43	Average Max	V	242.00	28.00	54.00	-4.57	Pass

802.11ac80 – 5610MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4037.37	37.66	8.60	15.58	61.84	Peak Max	H	213.00	172.00	74.00	-12.17	Pass
6121.66	36.40	10.63	14.29	61.33	Peak Max	V	202.00	123.00	74.00	-12.67	Pass
4037.37	25.68	8.60	15.58	49.86	Average Max	H	213.00	172.00	54.00	-4.14	Pass
6121.66	24.61	10.63	14.29	49.54	Average Max	V	202.00	123.00	54.00	-4.46	Pass

802.11ac80 – 5690MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4165.82	37.27	8.92	15.03	61.21	Peak Max	H	187.00	309.00	74.00	-12.79	Pass
6258.27	36.63	10.80	13.97	61.40	Peak Max	V	228.00	157.00	74.00	-12.60	Pass
4165.82	25.84	8.92	15.03	49.78	Average Max	H	187.00	309.00	54.00	-4.22	Pass
6258.27	24.52	10.80	13.97	49.29	Average Max	V	228.00	157.00	54.00	-4.71	Pass

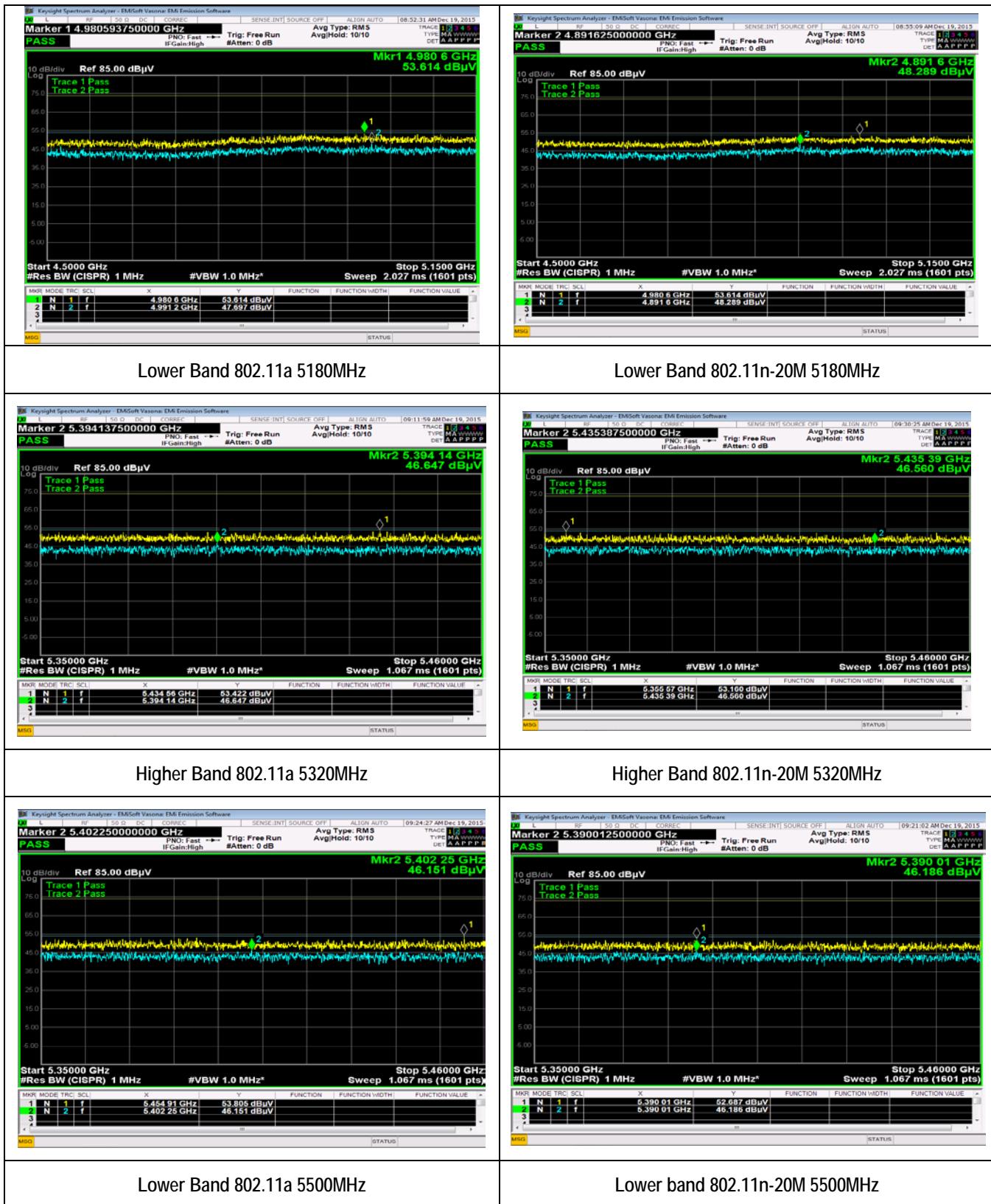
802.11ac80 – 5775MHz

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4198.95	37.56	9.00	14.88	61.44	Peak Max	V	114.00	68.00	74.00	-12.56	Pass
6056.54	36.15	10.55	14.45	61.15	Peak Max	H	241.00	312.00	74.00	-12.85	Pass
4198.95	25.81	9.00	14.88	49.70	Average Max	V	114.00	68.00	54.00	-4.31	Pass
6056.54	24.45	10.55	14.45	49.45	Average Max	H	241.00	312.00	54.00	-4.55	Pass

Above 1GHz – 2.4GHz and 5GHz transmitting simultaneously

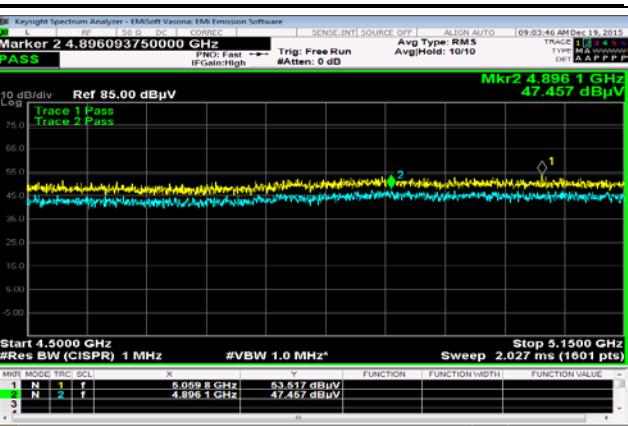
Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
4292.15	38.45	9.22	14.49	62.16	Peak Max	V	137	151	74.00	-11.84	Pass
6140.89	36.7	10.66	14.25	61.60	Peak Max	V	193	165	74.00	-12.40	Pass
4292.15	26.22	9.22	14.49	49.94	Average Max	V	137	151	54.00	-4.06	Pass
6140.89	25.42	10.66	14.25	50.32	Average Max	V	193	165	54.00	-3.68	Pass

Restricted Band Measurement Plots:

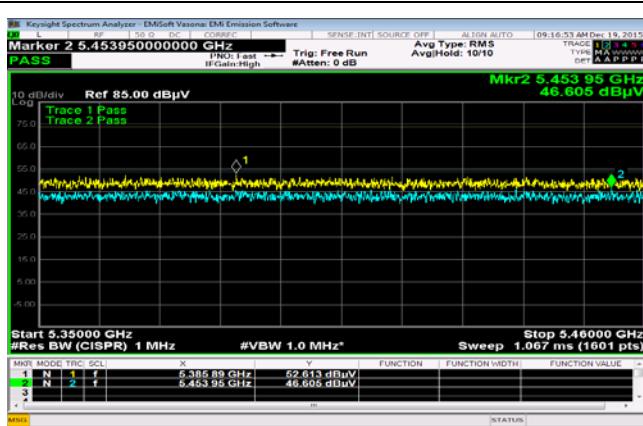




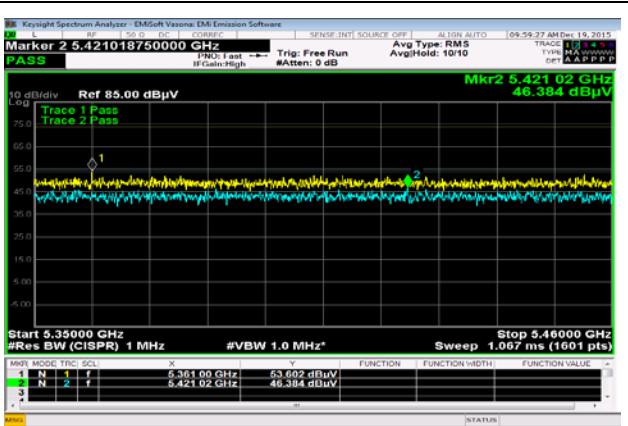
Lower Band 802.11n-40M 5190MHz



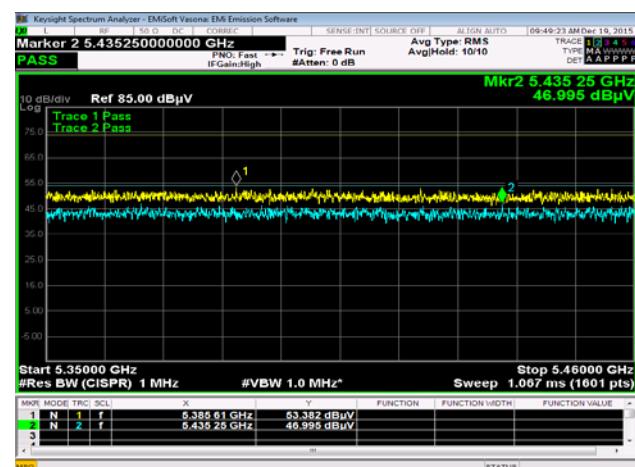
Lower Band 802.11ac-80 5210MHz



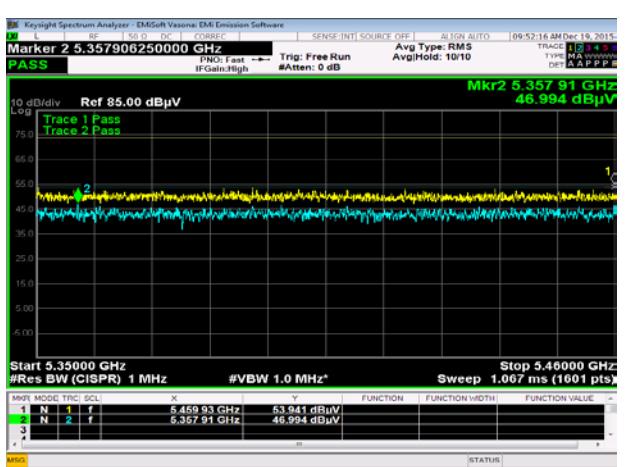
Higher Band 802.11n-40M 5310MHz



Higher Band 802.11ac-80 5290MHz



Lower Band 802.11n-40M 5510MHz



Lower Band 802.11ac-80 5530MHz

Annex A. TEST INSTRUMENT

Instrument	Model	Serial #	Cal Date	Cal Cycle	Cal Due	In use
Conducted Emissions						
R & S Receiver	ESIB 40	100179	05/23/2015	1 Year	05/23/2016	<input type="checkbox"/>
CHASE LISN	MN2050B	1018	08/07/2015	1 Year	08/07/2016	<input type="checkbox"/>
Radiated Emissions						
R & S Receiver	ESL6	100178	05/27/2015	1 Year	05/27/2016	<input checked="" type="checkbox"/>
R & S Receiver	ESIB 40	100179	05/23/2015	1 Year	05/23/2016	<input checked="" type="checkbox"/>
ETS-Lingren Loop Antenna	6512	00049120	05/12/2015	1 Year	05/12/2016	<input checked="" type="checkbox"/>
Bi-Log antenna (30MHz~2GHz)	JB1	A030702	08/12/2015	1 Year	08/12/2016	<input checked="" type="checkbox"/>
3 Meters SAC	3M	N/A	08/08/2015	1 Year	08/08/2016	<input checked="" type="checkbox"/>
10 Meters SAC	10M	N/A	09/05/2015	1 Year	09/05/2016	<input checked="" type="checkbox"/>
RF Conducted Measurement						
Spectrum Analyzer	N9010A	10SL0219	08/20/2015	1 Year	08/20/2016	<input type="checkbox"/>
R & S Receiver	ESIB 40	100179	05/23/2015	1 Year	05/23/2016	<input type="checkbox"/>
Test Equity Environment Chamber	1007H	61201	07/31/2015	1 Year	07/31/2016	<input type="checkbox"/>
USB RF Power Sensor	7002-006	10SL0190	09/03/2015	1 Year	09/03/2016	<input type="checkbox"/>

Annex B. SIEMIC Accreditation

Accreditations	Document	Scope / Remark
ISO 17025 (A2LA)		Please see the documents for the detailed scope
ISO Guide 65 (A2LA)		Please see the documents for the detailed scope
TCB Designation		A1, A2, A3, A4, B1, B2, B3, B4, C
FCC DoC Accreditation		FCC Declaration of Conformity Accreditation
FCC Site Registration		3 meter site
FCC Site Registration		10 meter site
IC Site Registration		3 meter site
IC Site Registration		10 meter site
EU NB		Radio & Telecommunications Terminal Equipment: EN45001 – EN ISO/IEC 17025
		Electromagnetic Compatibility: EN45001 – EN ISO/IEC 17025
Singapore iDA CB(Certification Body)	 	Phase I, Phase II
Vietnam MIC CAB Accreditation		Please see the document for the detailed scope
Hong Kong OFCA		(Phase II) OFCA Foreign Certification Body for Radio and Telecom
		(Phase I) Conformity Assessment Body for Radio and Telecom
Industry Canada CAB		Radio: Scope A – All Radio Standard Specification in Category I
		Telecom: CS-03 Part I, II, V, VI, VII, VIII

Japan Recognized Certification Body Designation		Radio: A1. Terminal equipment for purpose of calling Telecom: B1. Specified radio equipment specified in Article 38-2, Paragraph 1, Item 1 of the Radio Law
Korea CAB Accreditation		EMI: KCC Notice 2008-39, RRL Notice 2008-3: CA Procedures for EMI KN22: Test Method for EMI EMS: KCC Notice 2008-38, RRL Notice 2008-4: CA Procedures for EMS KN24, KN61000-4-2, -4-3, -4-4, -4-5, -4-6, -4-8, -4-11: Test Method for EMS
Taiwan NCC CAB Recognition		Radio: RRL Notice 2008-26, RRL Notice 2008-2, RRL Notice 2008-10, RRL Notice 2007-49, RRL Notice 2007-20, RRL Notice 2007-21, RRL Notice 2007-80, RRL Notice 2004-68 Telecom: President Notice 20664, RRL Notice 2007-30, RRL Notice 2008-7 with attachments 1, 3, 5, 6; President Notice 20664, RRL Notice 2008-7 with attachment 4
Taiwan BSMI CAB Recognition		CNS 13438
Japan VCCI		R-3083: Radiation 3 meter site C-3421: Main Ports Conducted Interference Measurement T-1597: Telecommunication Ports Conducted Interference Measurement
Australia CAB Recognition		EMC: AS/NZS CISPR 11, AS/NZS CISPR 14.1, AS/NZS CISPR22, AS/NZS 61000.6.3, AS/NZS 61000.6.4 Radio communications: AS/NZS 4281, AS/NZS 4268, AS/NZS 4280.1, AS/NZS 4280.2, AS/NZS 4295, AS/NZS 4582, AS/NZS 4583, AS/NZS 4769.1, AS/NZS 4769.2, AS/NZS 4770, AS/NZS 4771 Telecommunications: AS/ACIF S002:05, AS/ACIF S003:06, AS/ACIF S004:06 AS/ACIF S006:01, AS/ACIF S016:01, AS/ACIF S031:01, AS/ACIF S038:01, AS/ACIF S040:01, AS/ACIF S041:05, AS/ACIF S043.2:06, AS/ACIF S60950.1
Australia NATA Recognition		AS/ACIF S002, AS/ACIF S003, AS/ACIF S004, AS/ACIF S006, AS/ACIF S016, AS/ACIF S031, AS/ACIF S038, AS/ACIF S040, AS/ACIF S041, AS/ACIF S043.2