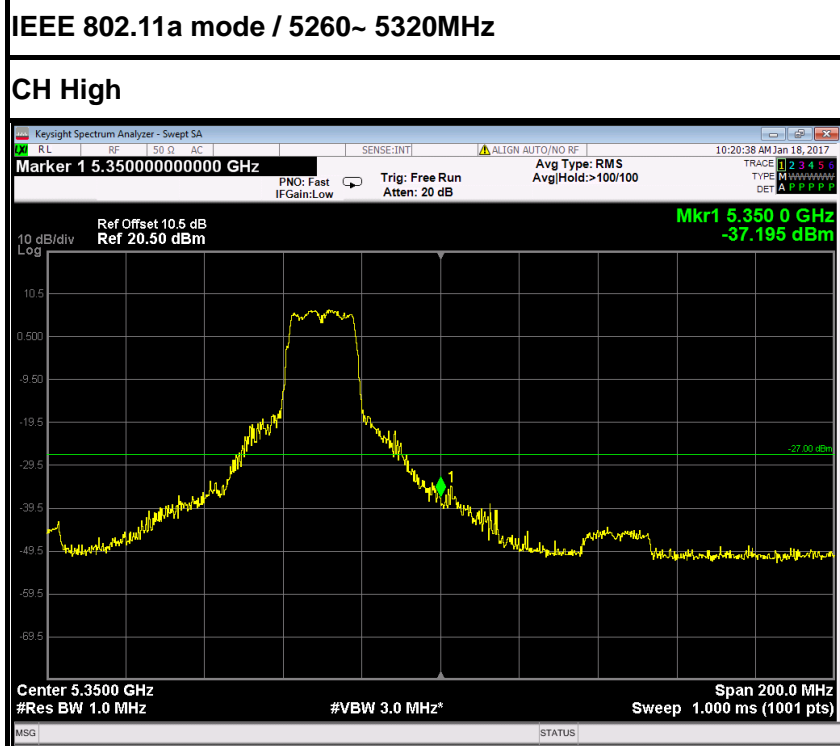
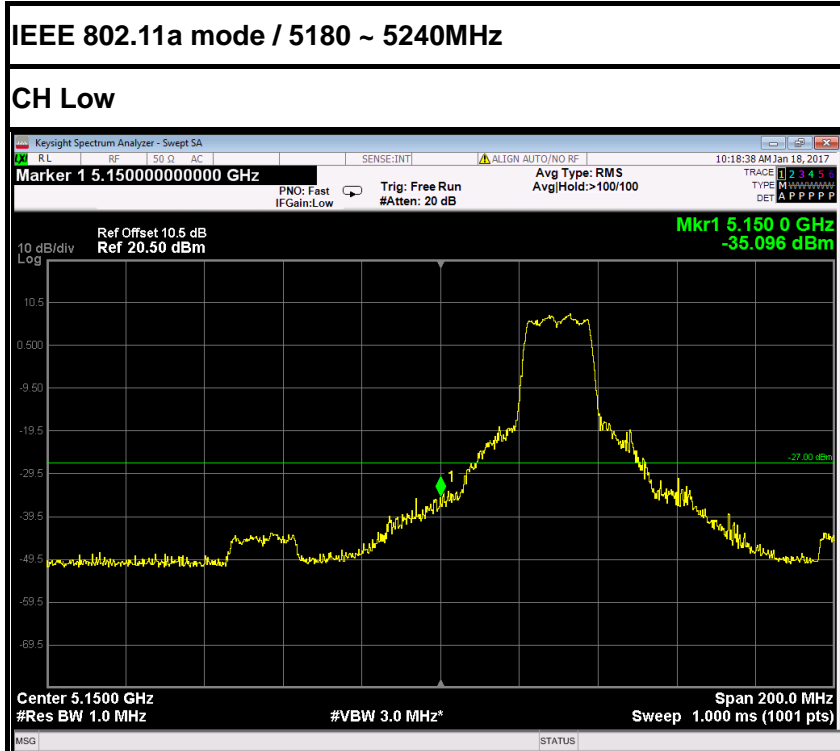
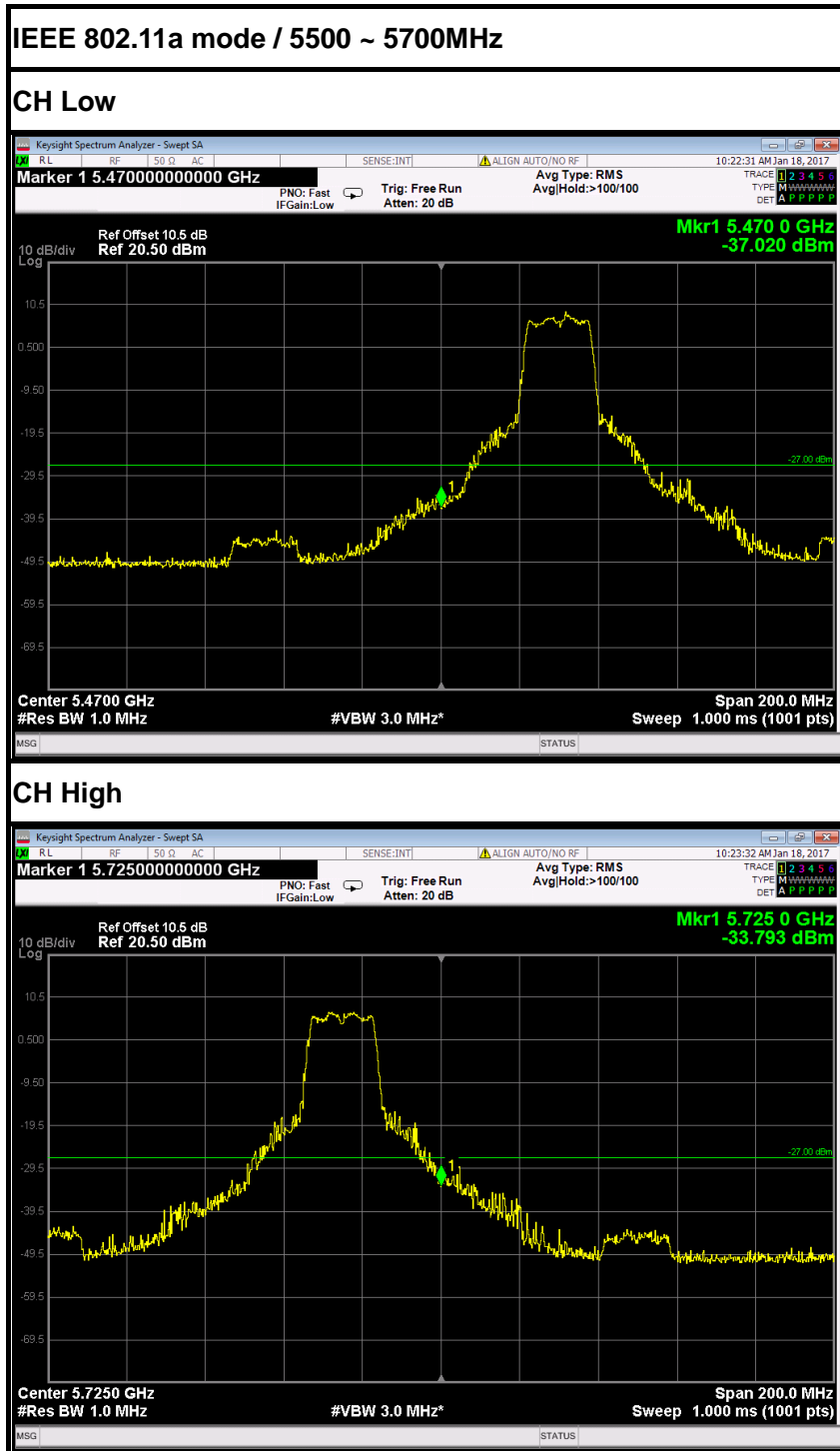


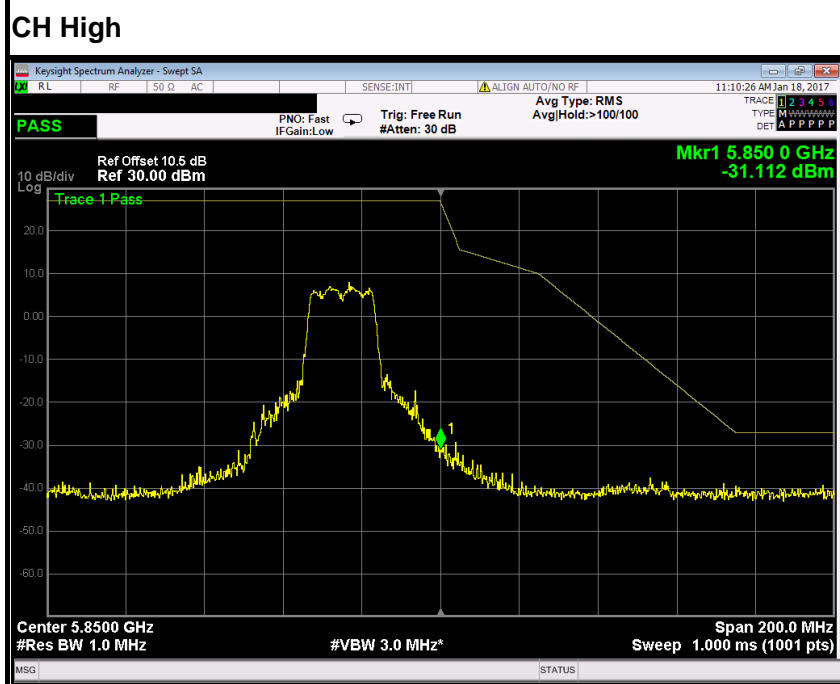
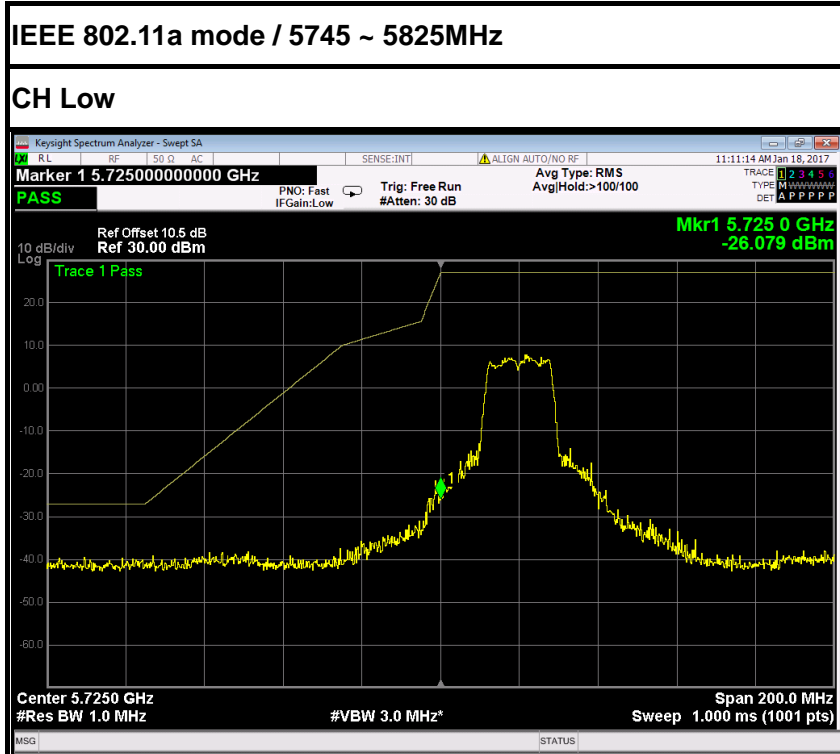


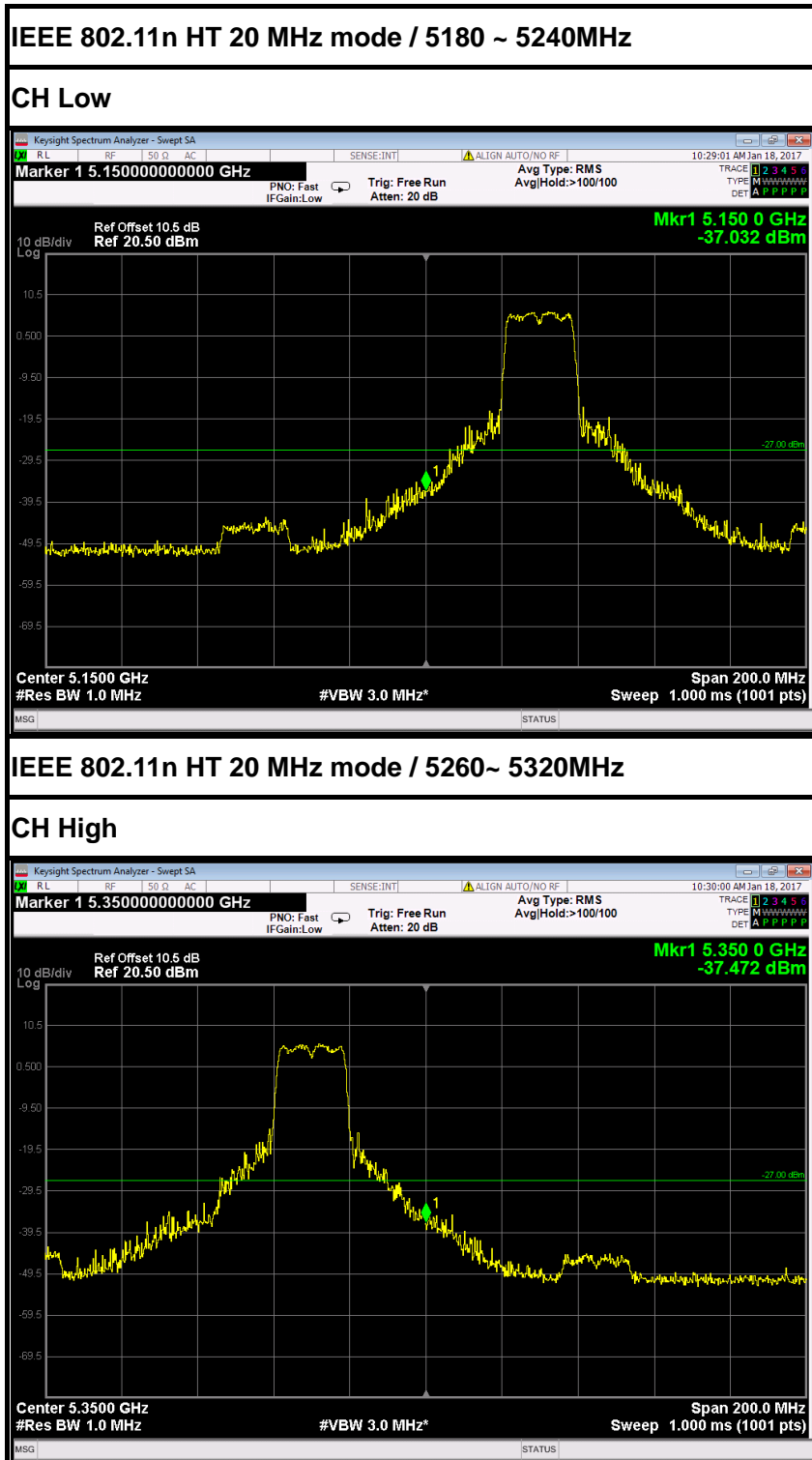
### Antenna 2 Test Plot

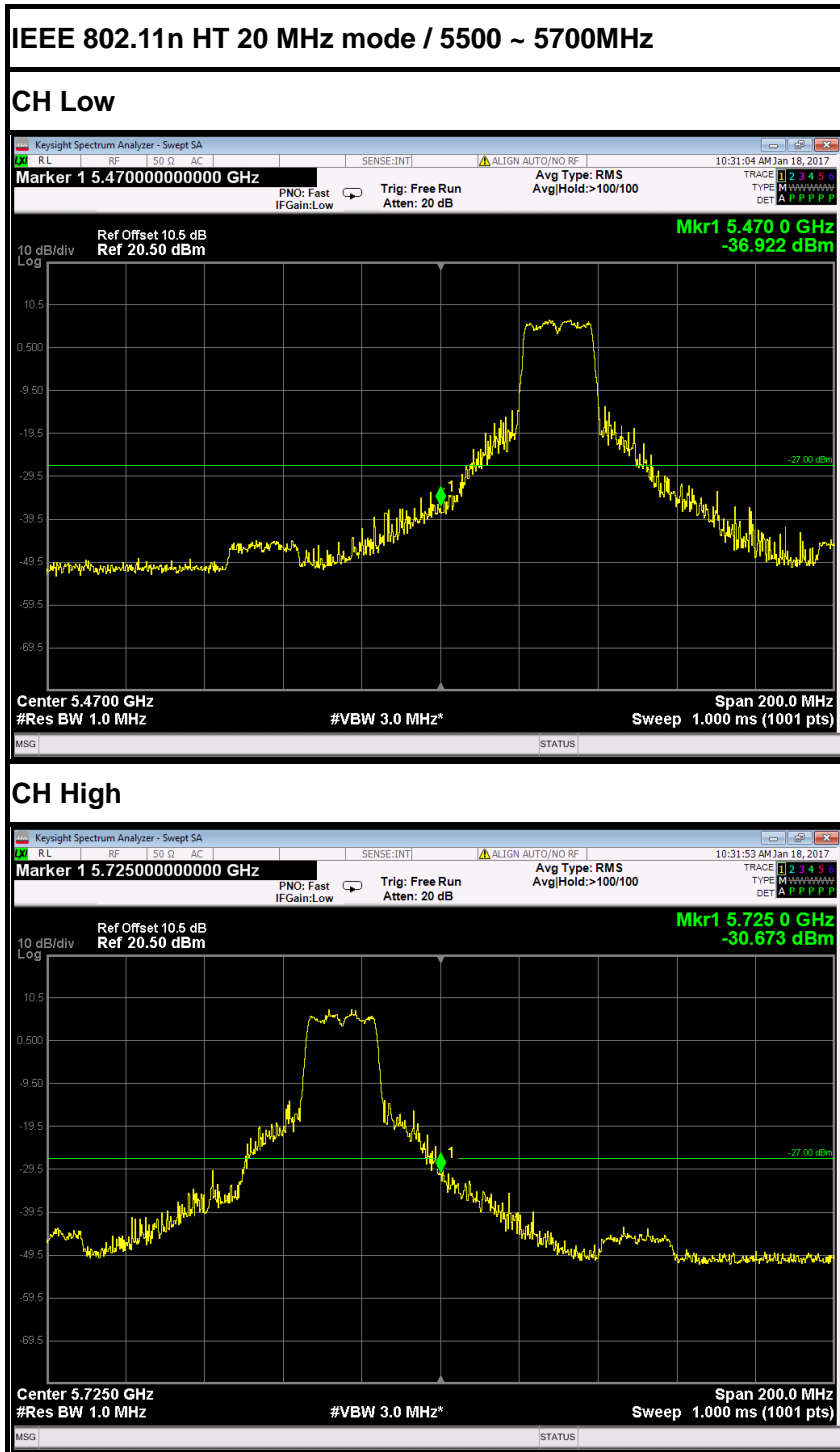


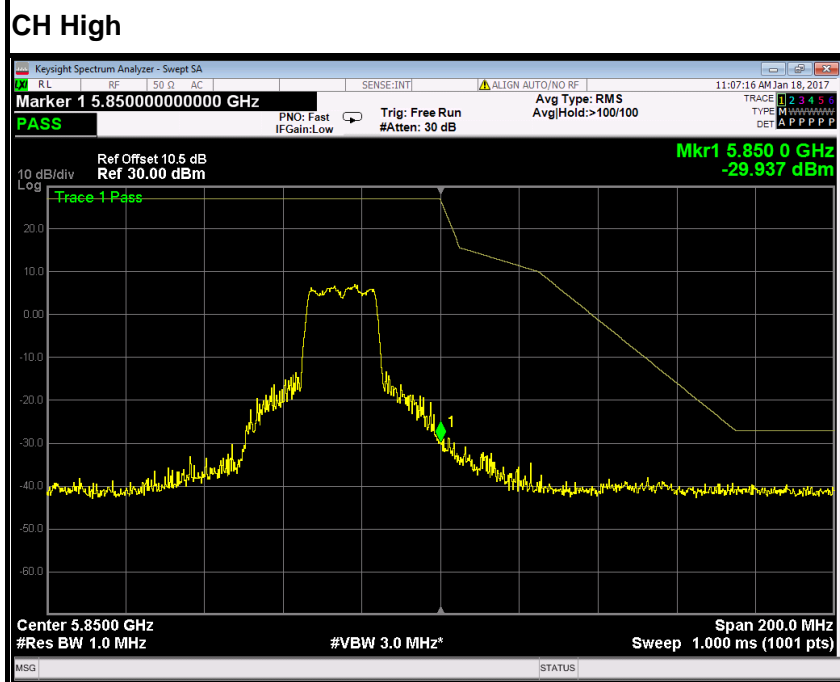
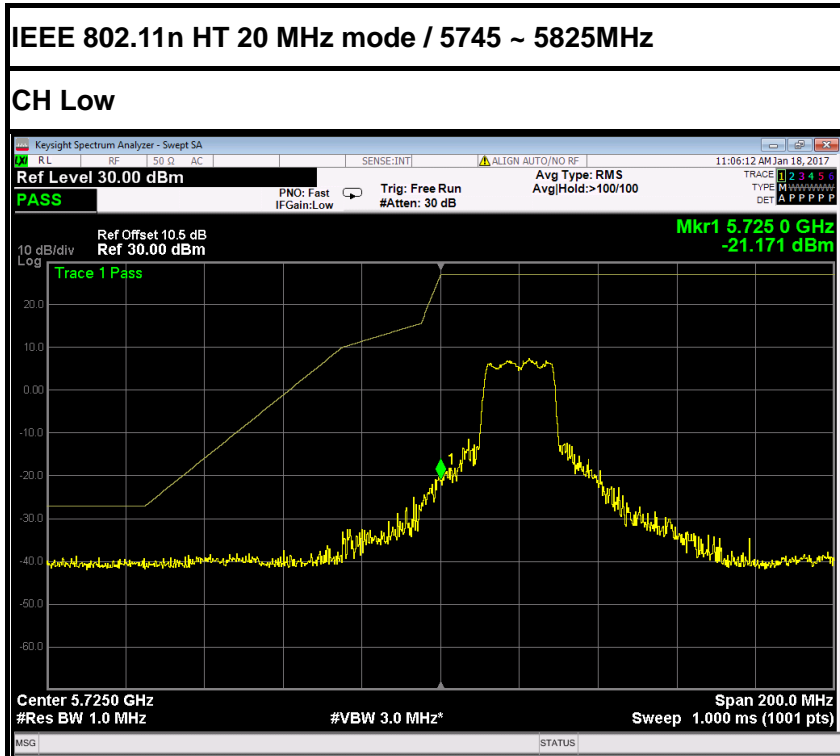


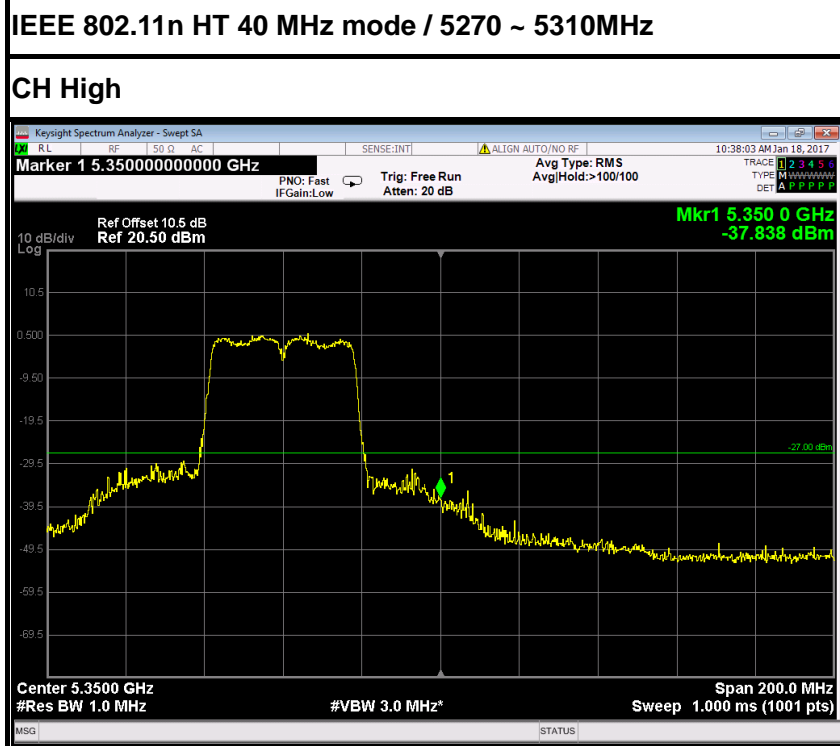
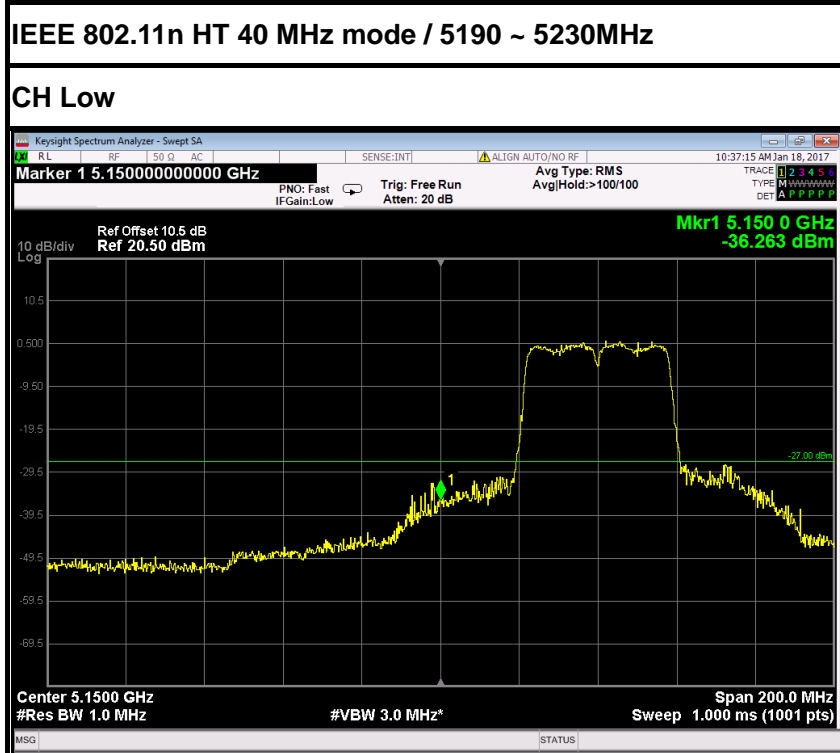


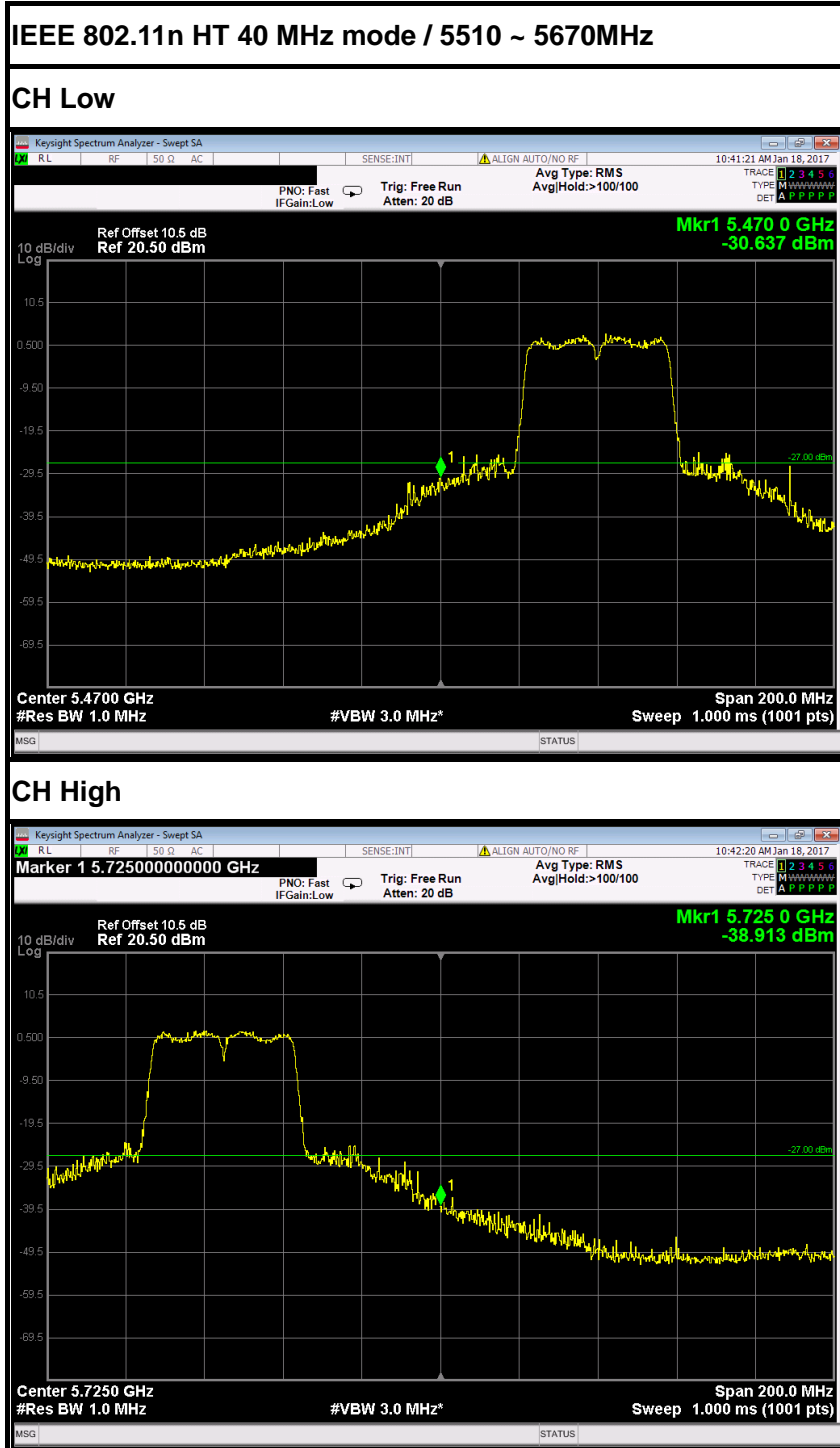




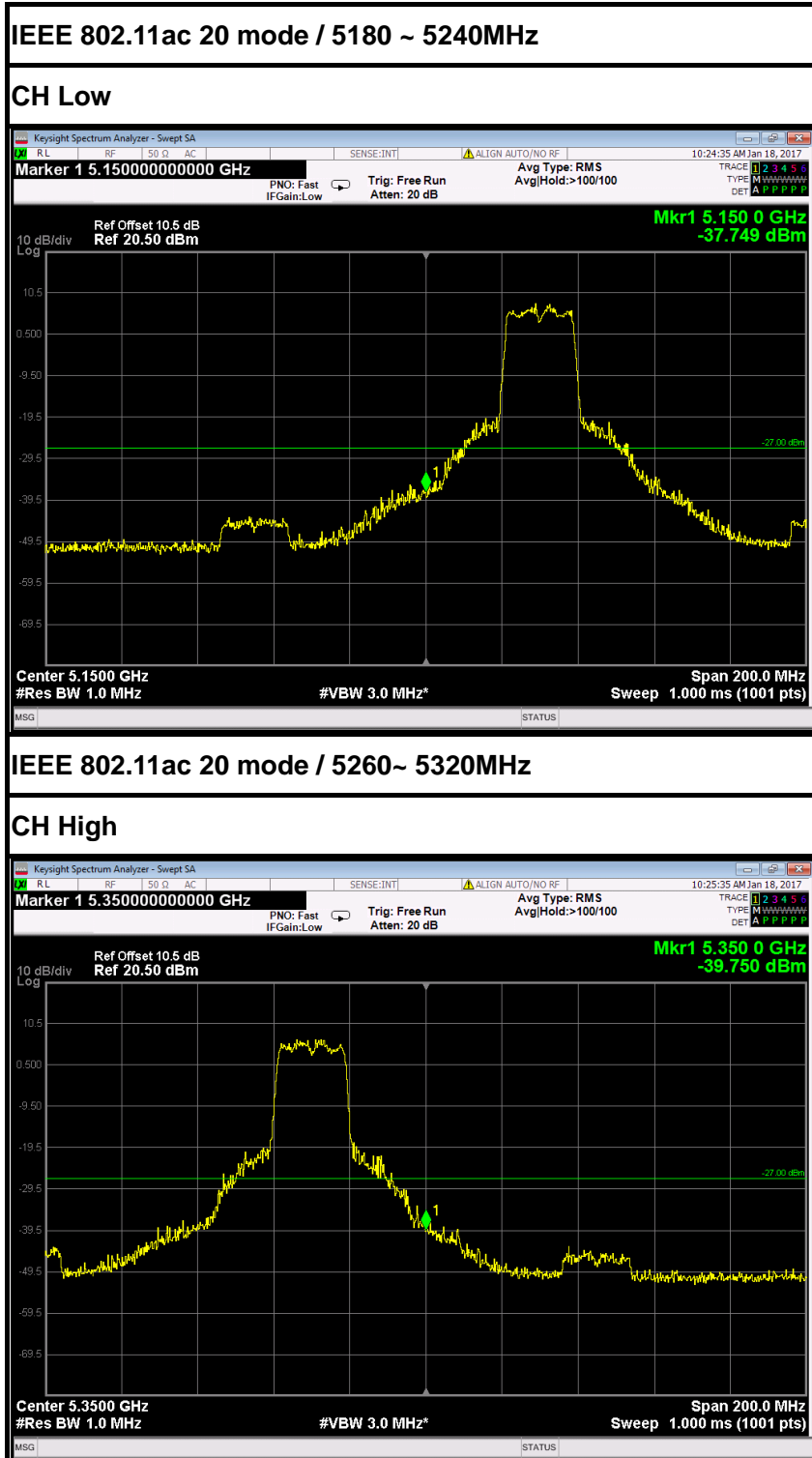




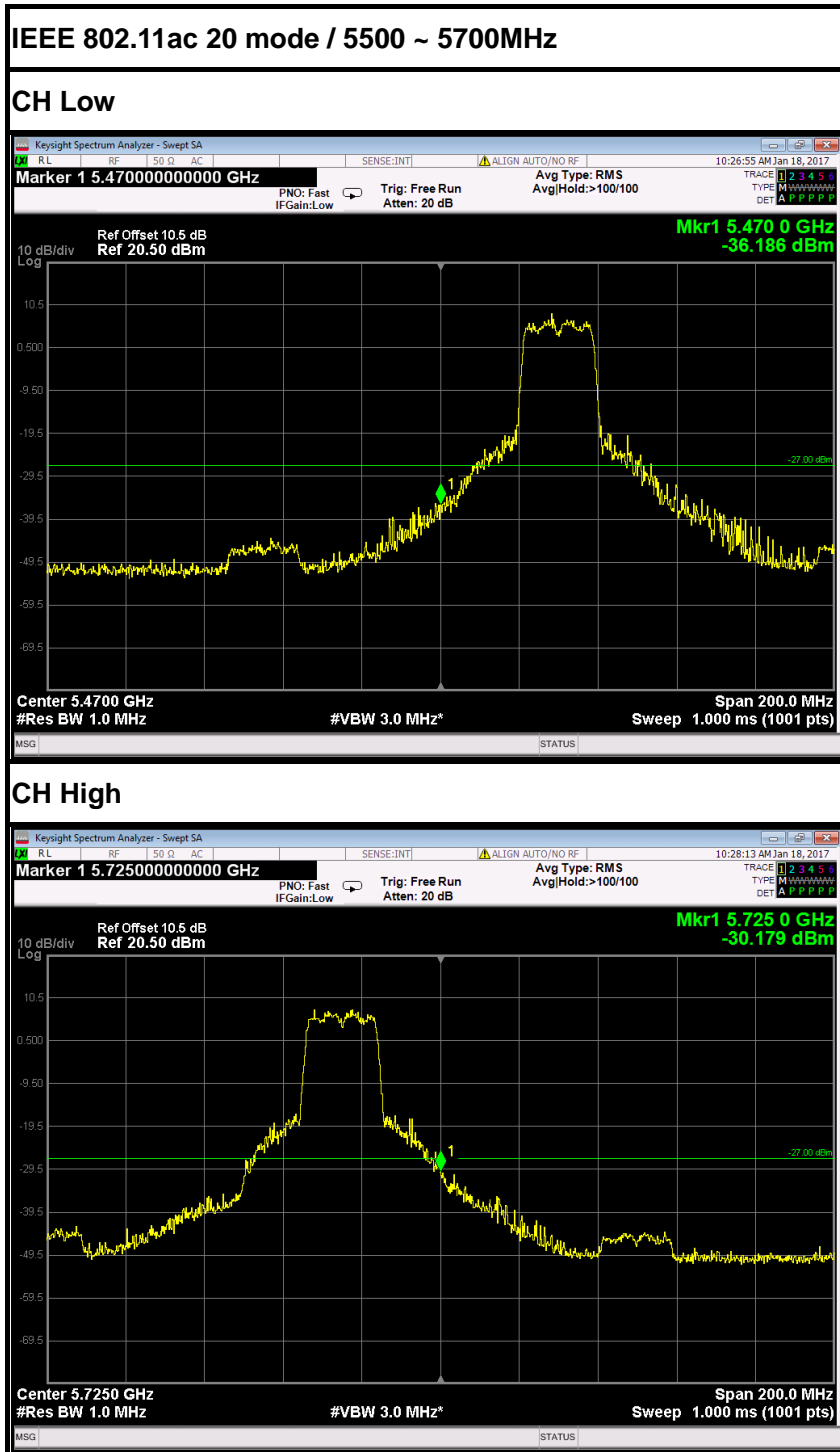


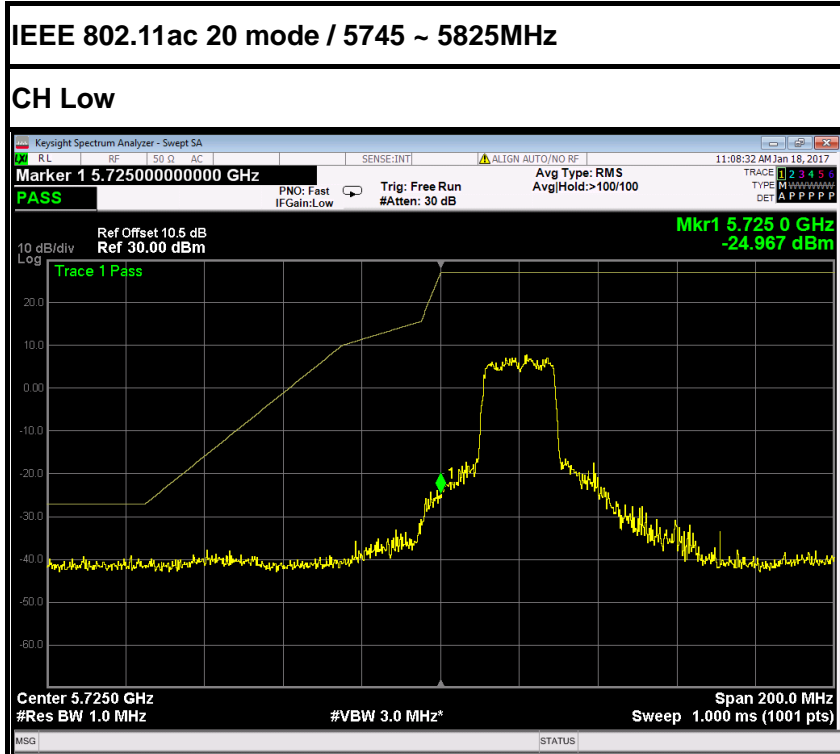








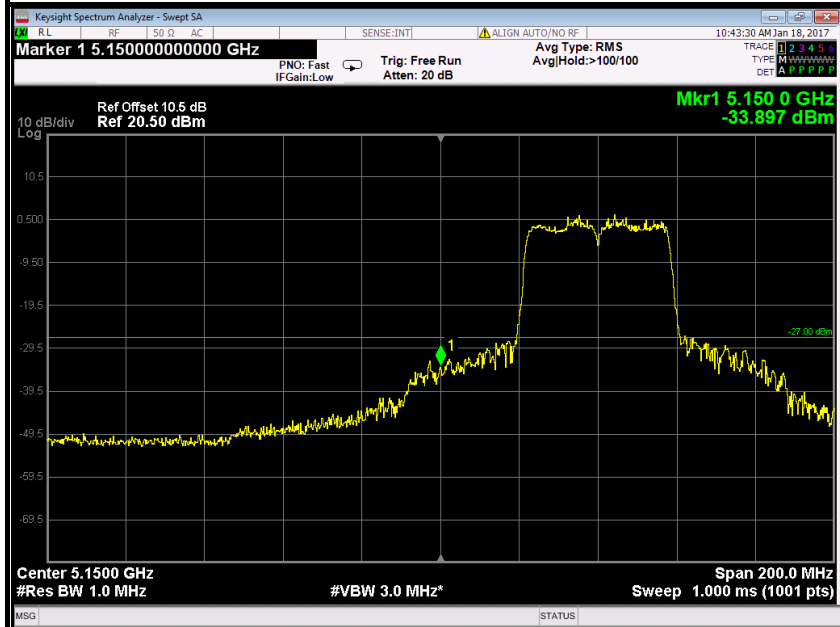






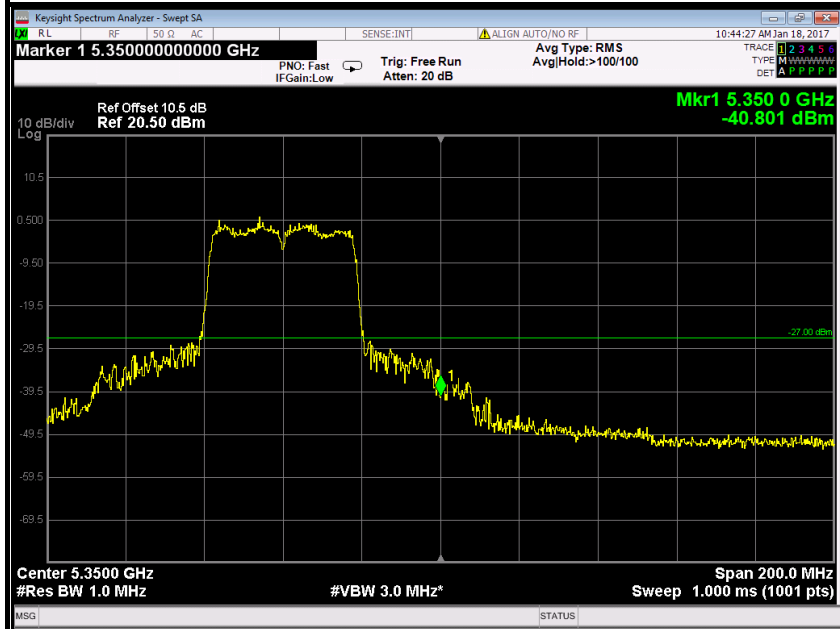
IEEE 802.11ac 40 mode / 5190 ~ 5230MHz

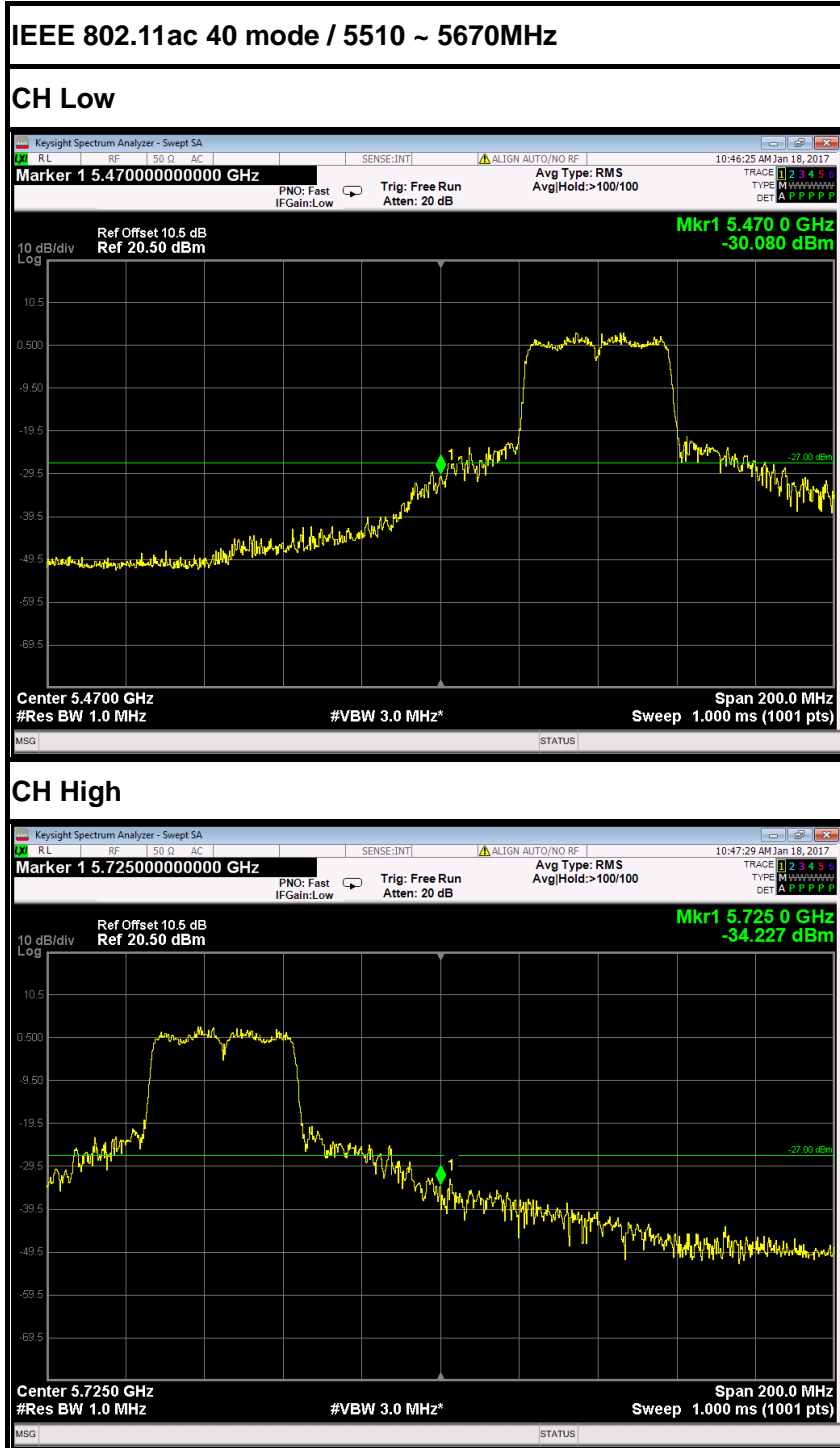
CH Low



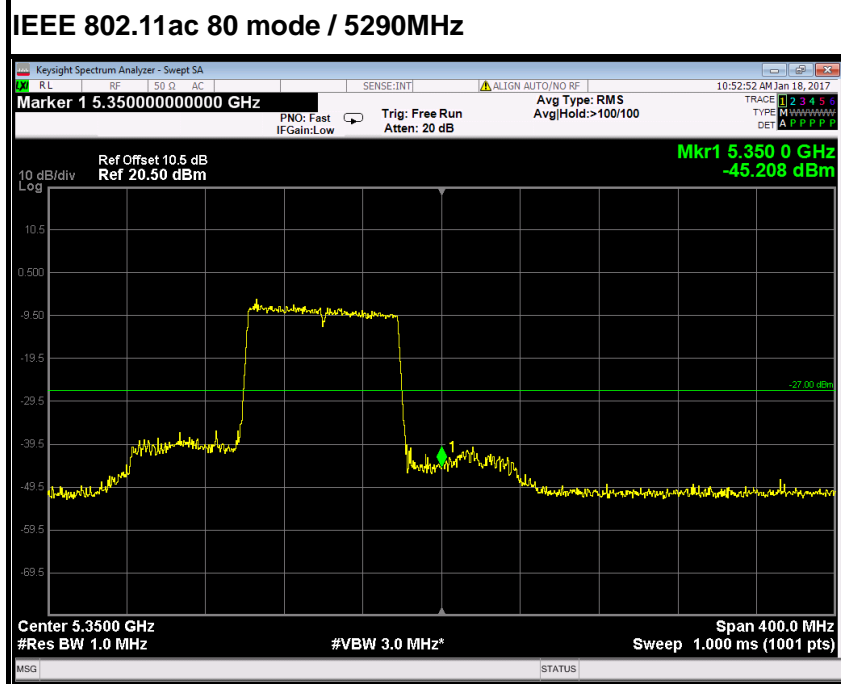
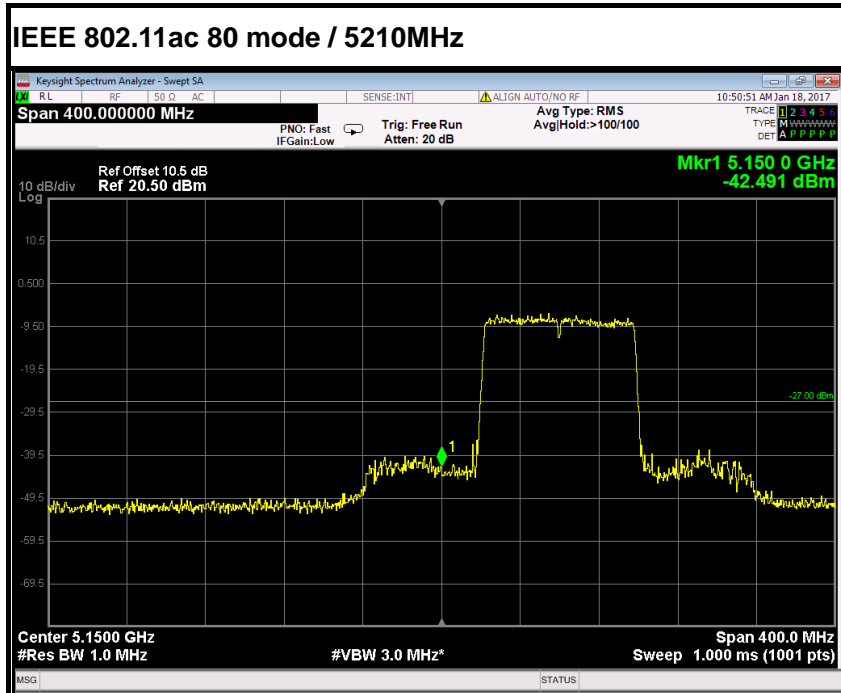
IEEE 802.11ac 40 mode / 5270 ~ 5310MHz

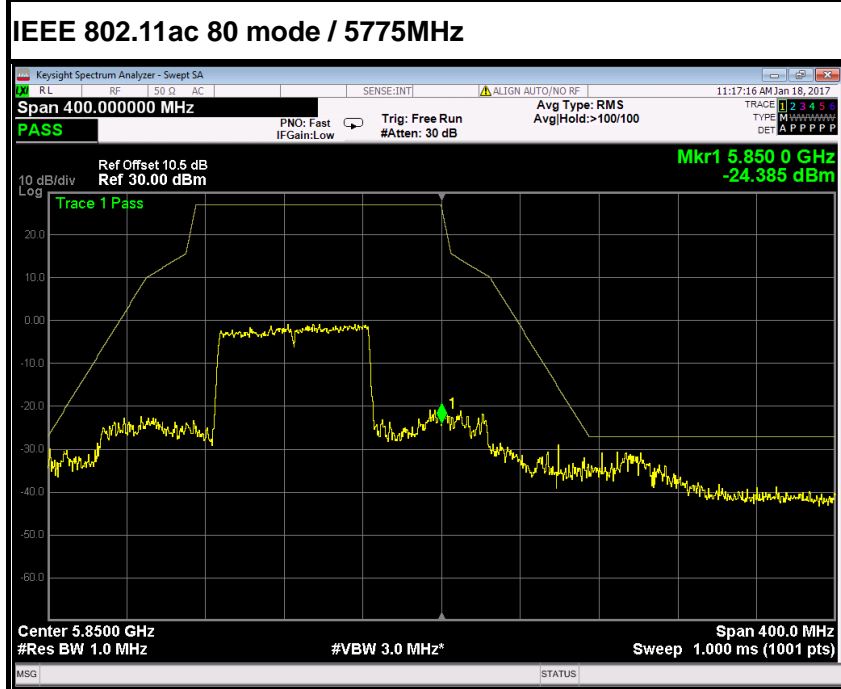
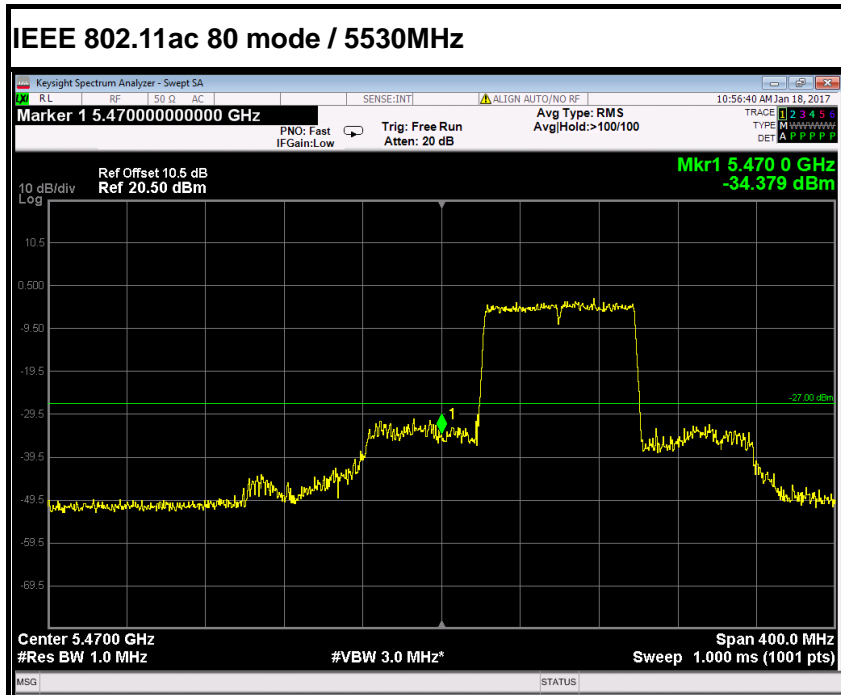
CH High













## 6.9 POWERLINE CONDUCTED EMISSIONS

### 6.9.1 LIMIT

According to §15.207(a), except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50  $\mu$ H/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

Frequency Range (MHz)	Limits (dB $\mu$ V)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56*	56 to 46*
0.50 to 5	56	46
5 to 30	60	50

\* Decreases with the logarithm of the frequency.

### 6.9.2 TEST INSTRUMENTS

Conducted Emission Test Site					
Name of Equipment	Manufacturer	Model Number	Serial Number	Last Calibration	Due Calibration
EMI TEST RECEIVER	ROHDE&SCHWARZ	ESCI	100783	02/21/2016	02/20/2017
LISN(EUT)	ROHDE&SCHWARZ	ENV216	101543-WX	02/21/2016	02/20/2017
LISN	EMCO	3825/2	8901-1459	02/21/2016	02/20/2017
Temp. / Humidity Meter	VICTOR	HTC-1	N/A	02/21/2016	02/20/2017
Test S/W	FARAD	EZ-EMC/ CCS-3A1-CE			

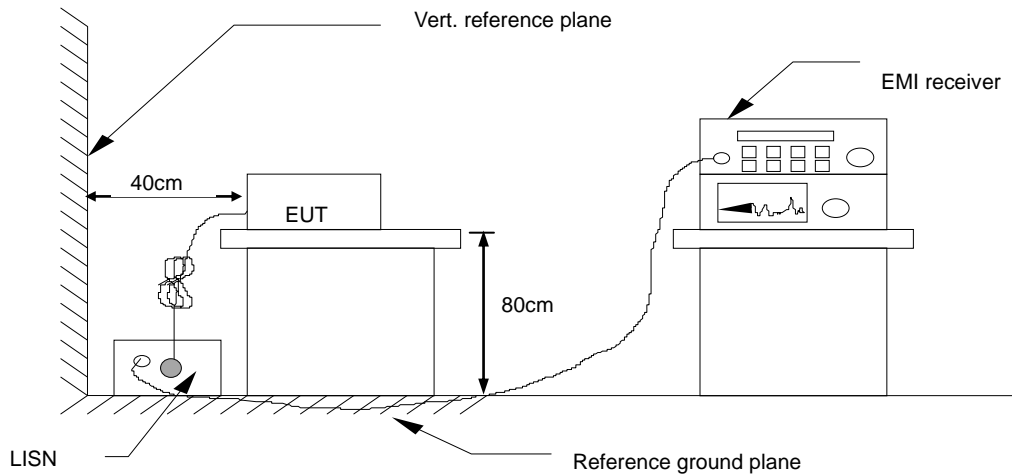
**NOTE:** 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

2. N.C.R = No Calibration Request.





### 6.9.3 TEST CONFIGURATION



### 6.9.4 TEST PROCEDURE

1. The EUT was placed on a table, which is 0.8m above ground plane.
2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
3. Repeat above procedures until all frequency measured were complete.

### 6.9.5 DATA SAMPLE

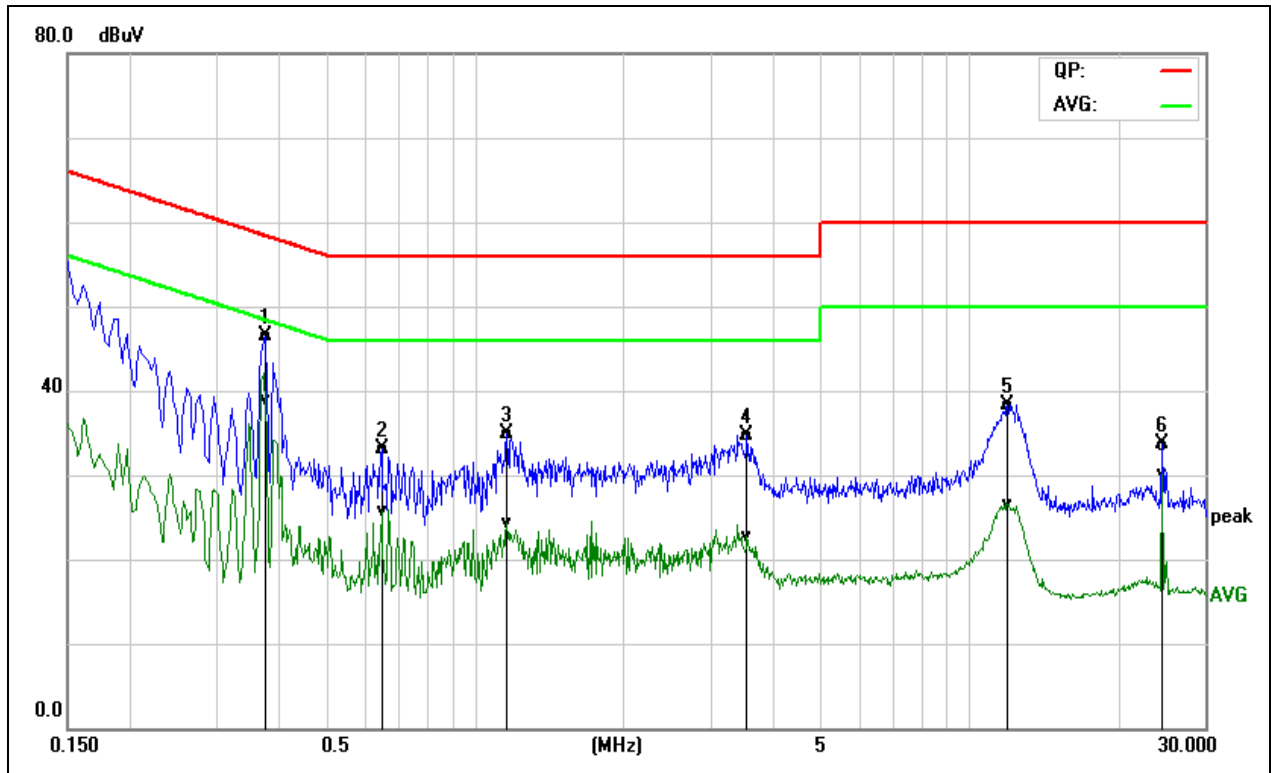
Frequency (MHz)	QuasiPeak Reading (dBuV)	Average Reading (dBuV)	Correction Factor (dB)	QuasiPeak Result (dBuV)	Average Result (dBuV)	QuasiPeak Limit (dBuV)	Average Limit (dBuV)	QuasiPeak Margin (dB)	Average Margin (dB)	Remark (Pass/Fail)
X.XXXX	32.69	25.65	11.52	44.21	37.17	65.78	55.79	-21.57	-18.62	Pass

Factor = Insertion loss of LISN + Cable Loss  
Result = Quasi-peak Reading/ Average Reading + Factor  
Limit = Limit stated in standard  
Margin = Result (dBuV) – Limit (dBuV)



6.9.6 TEST RESULTS

<b>Model No.</b>	AD107A4BKA	<b>RBW,VBW</b>	9 kHz
<b>Environmental Conditions</b>	22°C, 45% RH	<b>Test Mode</b>	Mode 1
<b>Tested by</b>	Jacksan Luo	<b>Line</b>	L1
<b>Test Date</b>	January 22, 2016		

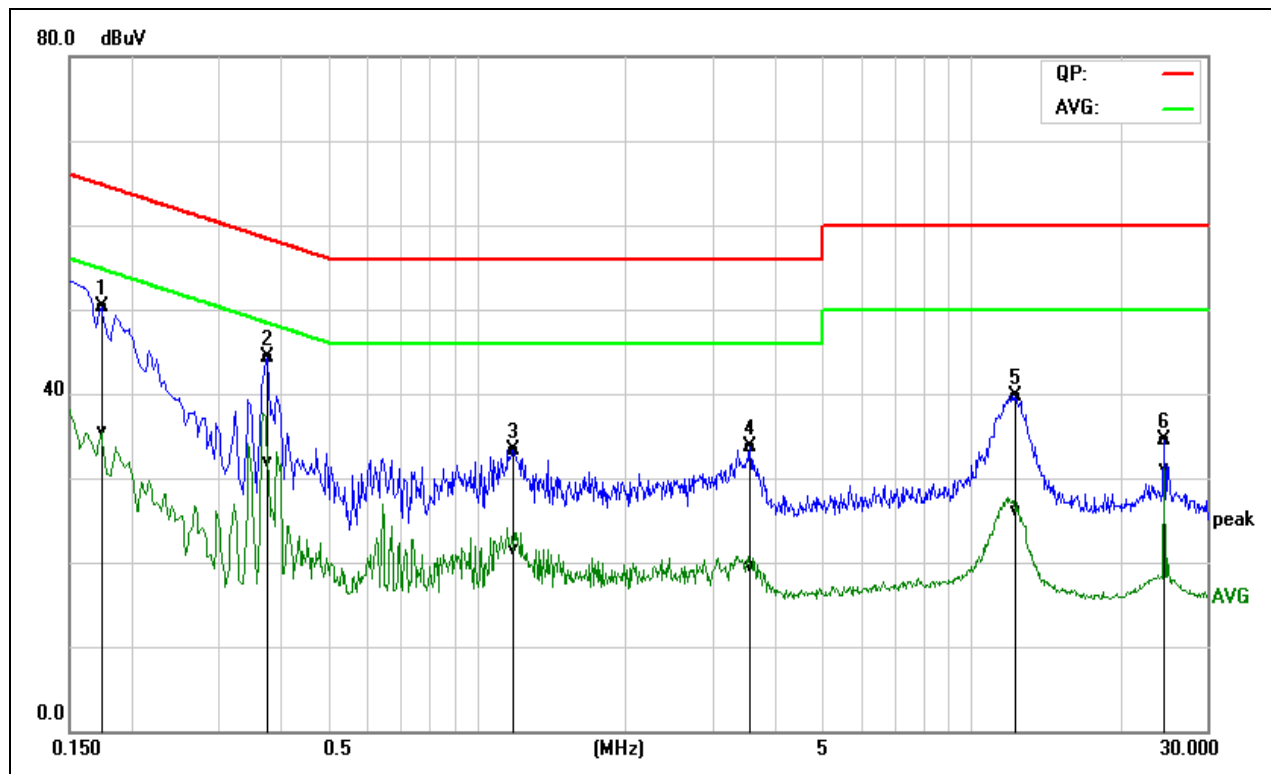


Frequency (MHz)	QuasiPeak Reading (dBuV)	Average Reading (dBuV)	Correction Factor (dB)	QuasiPeak Result (dBuV)	Average Result (dBuV)	QuasiPeak Limit (dBuV)	Average Limit (dBuV)	QuasiPeak Margin (dB)	Average Margin (dB)	Remark (Pass/Fail)
0.3780	26.78	19.29	19.63	46.41	38.92	58.32	48.32	-11.91	-9.40	Pass
0.6500	13.40	6.03	19.76	33.16	25.79	56.00	46.00	-22.84	-20.21	Pass
1.1620	15.20	4.66	19.66	34.86	24.32	56.00	46.00	-21.14	-21.68	Pass
3.5620	14.95	3.09	19.68	34.63	22.77	56.00	46.00	-21.37	-23.23	Pass
11.9379	18.30	6.50	20.06	38.36	26.56	60.00	50.00	-21.64	-23.44	Pass
24.5780	13.66	10.24	19.94	33.60	30.18	60.00	50.00	-26.40	-19.82	Pass

REMARKS: L1 = Line One (Live Line)



<b>Model No.</b>	AD107A4BKA	<b>RBW,VBW</b>	9 kHz
<b>Environmental Conditions</b>	22°C, 45% RH	<b>Test Mode</b>	Mode 1
<b>Tested by</b>	Jackson Luo	<b>Line</b>	L2
<b>Test Date</b>	January 22, 2016		

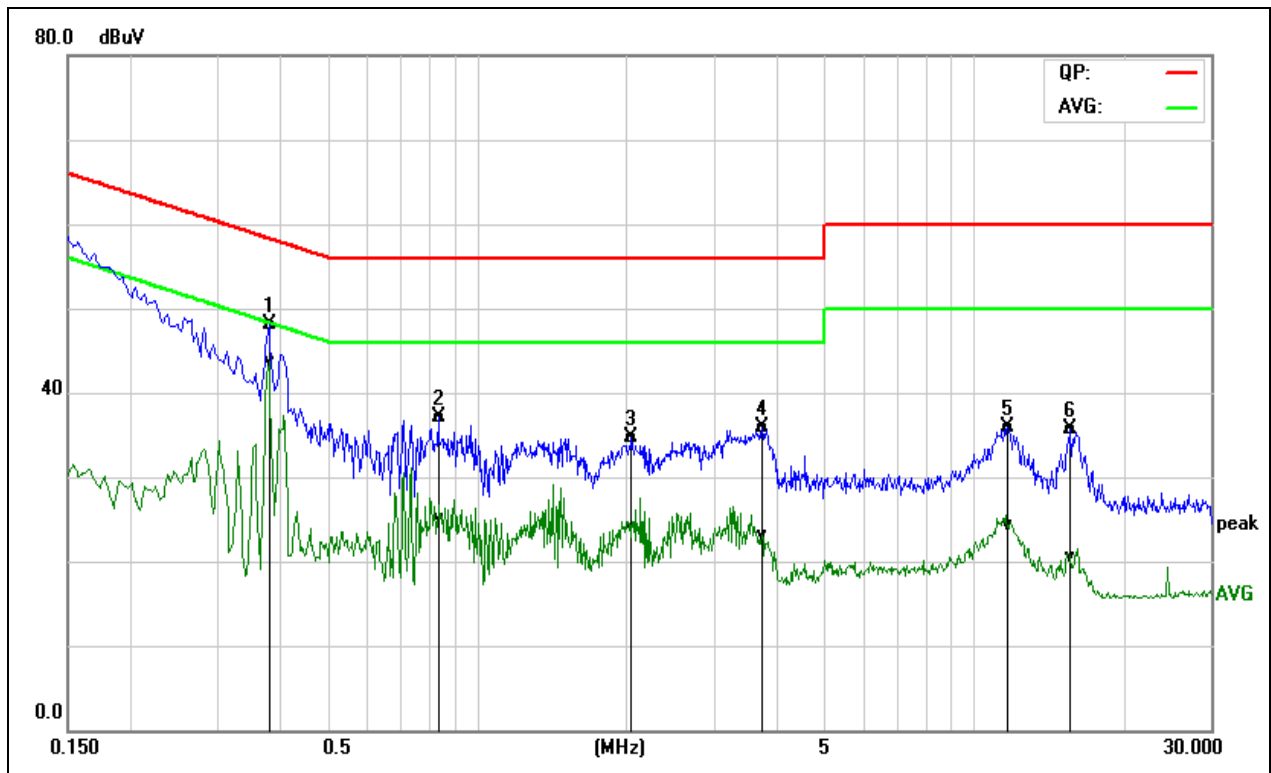


Frequency (MHz)	QuasiPeak Reading (dBuV)	Average Reading (dBuV)	Correction Factor (dB)	QuasiPeak Result (dBuV)	Average Result (dBuV)	QuasiPeak Limit (dBuV)	Average Limit (dBuV)	QuasiPeak Margin (dB)	Average Margin (dB)	Remark (Pass/Fail)
0.1740	30.64	15.83	19.73	50.37	35.56	64.76	54.77	-14.39	-19.21	Pass
0.3780	24.54	12.16	19.67	44.21	31.83	58.32	48.32	-14.11	-16.49	Pass
1.1860	13.64	1.68	19.74	33.38	21.42	56.00	46.00	-22.62	-24.58	Pass
3.5780	14.04	-0.20	19.73	33.77	19.53	56.00	46.00	-22.23	-26.47	Pass
12.2820	19.75	6.21	19.95	39.70	26.16	60.00	50.00	-20.30	-23.84	Pass
24.5740	14.64	11.24	19.84	34.48	31.08	60.00	50.00	-25.52	-18.92	Pass

REMARKS: L2 = Line Two (Neutral Line)



<b>Model No.</b>	AD107A4BKA	<b>RBW,VBW</b>	9 kHz
<b>Environmental Conditions</b>	22°C, 45% RH	<b>Test Mode</b>	Mode 2
<b>Tested by</b>	Jackson Luo	<b>Line</b>	L1
<b>Test Date</b>	January 22, 2016		

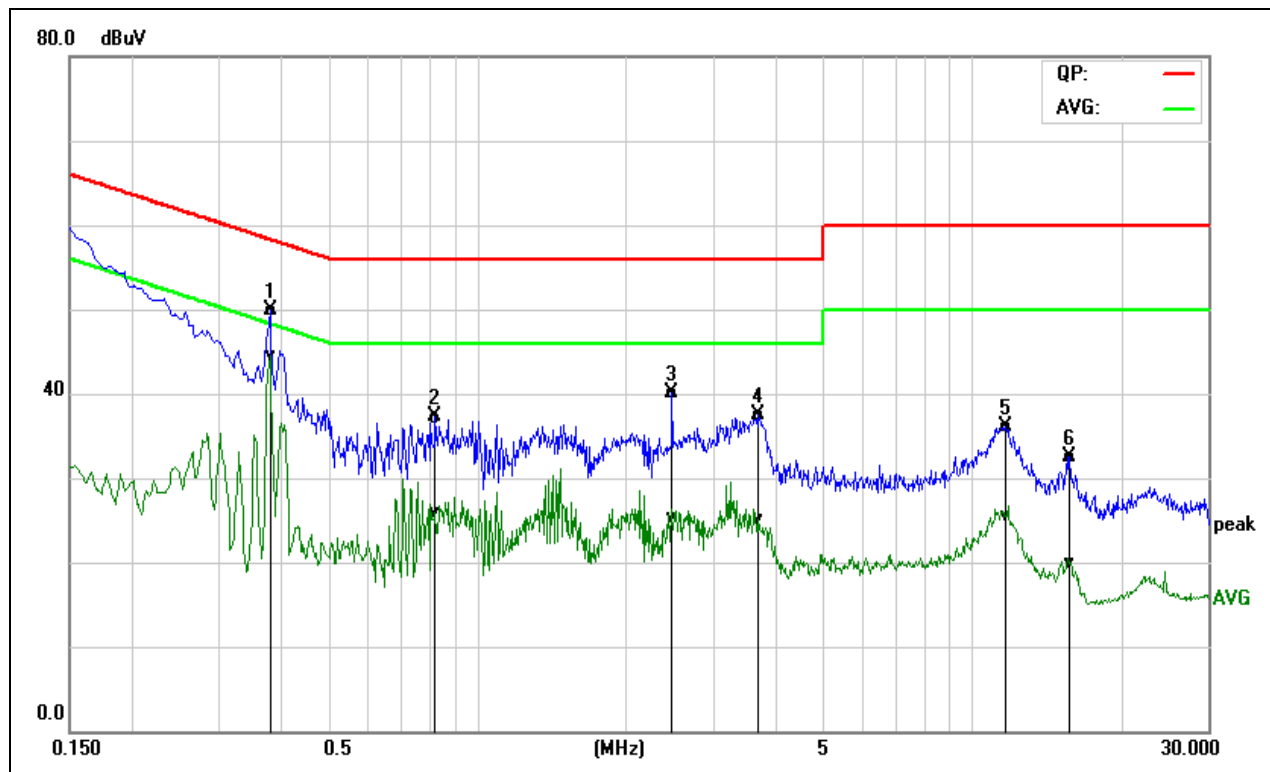


Frequency (MHz)	QuasiPeak Reading (dBuV)	Average Reading (dBuV)	Correction Factor (dB)	QuasiPeak Result (dBuV)	Average Result (dBuV)	QuasiPeak Limit (dBuV)	Average Limit (dBuV)	QuasiPeak Margin (dB)	Average Margin (dB)	Remark (Pass/Fail)
0.3820	28.39	24.00	19.63	48.02	43.63	58.23	48.24	-10.21	-4.61	Pass
0.8380	17.32	5.39	19.73	37.05	25.12	56.00	46.00	-18.95	-20.88	Pass
2.0500	14.96	4.36	19.72	34.68	24.08	56.00	46.00	-21.32	-21.92	Pass
3.7580	16.20	3.50	19.67	35.87	23.17	56.00	46.00	-20.13	-22.83	Pass
11.7020	15.84	4.30	20.07	35.91	24.37	60.00	50.00	-24.09	-25.63	Pass
15.6900	15.83	0.64	19.92	35.75	20.56	60.00	50.00	-24.25	-29.44	Pass

**REMARKS:** L1 = Line One (Live Line)



<b>Model No.</b>	AD107A4BKA	<b>RBW,VBW</b>	9 kHz
<b>Environmental Conditions</b>	22°C, 45% RH	<b>Test Mode</b>	Mode 2
<b>Tested by</b>	Jacksan Luo	<b>Line</b>	L2
<b>Test Date</b>	January 22, 2016		



Frequency (MHz)	QuasiPeak Reading (dBuV)	Average Reading (dBuV)	Correction Factor (dB)	QuasiPeak Result (dBuV)	Average Result (dBuV)	QuasiPeak Limit (dBuV)	Average Limit (dBuV)	QuasiPeak Margin (dB)	Average Margin (dB)	Remark (Pass/Fail)
0.3820	30.26	24.91	19.67	49.93	44.58	58.23	48.24	-8.30	-3.66	Pass
0.8260	17.48	6.20	19.72	37.20	25.92	56.00	46.00	-18.80	-20.08	Pass
2.4860	20.45	5.66	19.72	40.17	25.38	56.00	46.00	-15.83	-20.62	Pass
3.7020	17.70	5.41	19.73	37.43	25.14	56.00	46.00	-18.57	-20.86	Pass
11.6980	16.15	5.58	20.00	36.15	25.58	60.00	50.00	-23.85	-24.42	Pass
15.7380	12.76	0.19	19.73	32.49	19.92	60.00	50.00	-27.51	-30.08	Pass

**REMARKS:** L2 = Line Two (Neutral Line)



## 6.10 FREQUENCY STABILITY

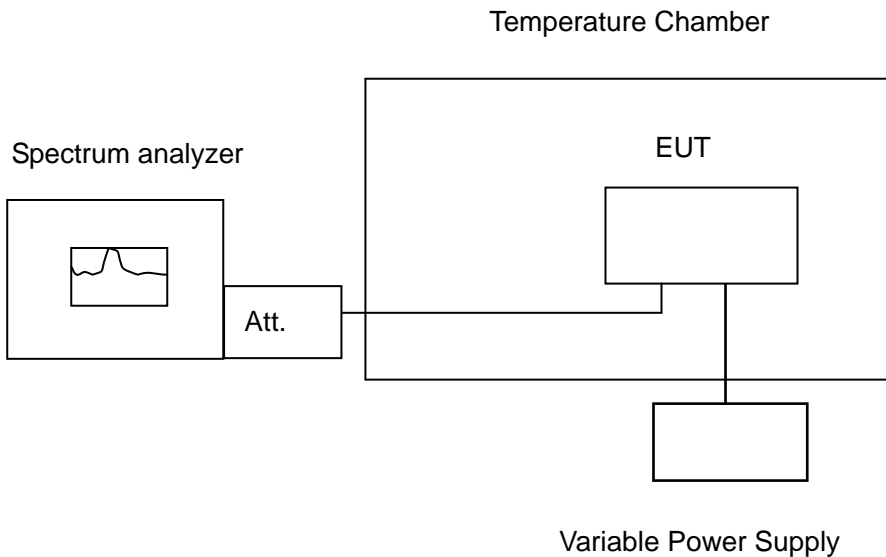
### 6.10.1 LIMIT

According to §15.407(g), manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the operational description.

### 6.10.2 TEST INSTRUMENTS

Name of Equipment	Manufacturer	Model Number	Serial Number	Last Calibration	Due Calibration
Spectrum Analyzer	Agilent	N9010A	MY52221469	02/21/2016	02/20/2017
DC Power Supply	DAZHENG	PS-605D	20018978	N.C.R	N.C.R
AC POWER SOURCE	UMART	HPA1010	N/A	N.C.R	N.C.R
Power Meter	Anritsu	ML2495A	1204003	02/21/2016	02/20/2017
Power Sensor	Anritsu	MA2411B	1126150	02/21/2016	02/20/2017
Temperature Chamber	TERCHY	MHG-800N	E21104	11/18/2016	11/17/2017
Temp. / Humidity Meter	Anymetre	JR913	N/A	02/21/2016	02/20/2017

### 6.10.3 TEST CONFIGURATION



**Remark:** Measurement setup for testing on Antenna connector



#### **6.10.4 TEST PROCEDURE**

The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to -20°C. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C increased per stage until the highest temperature of +50°C reached.

#### **6.10.5 TEST RESULTS**

*No non-compliance noted.*



Antenna 1 Test Data

IEEE 802.11a MHz mode / 5180 ~ 5240MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5179.998838	5150-5250	PASS
40	120	5179.979562	5150-5250	PASS
30	120	5179.979616	5150-5250	PASS
20	120	5179.987415	5150-5250	PASS
10	120	5179.998410	5150-5250	PASS
0	120	5179.970613	5150-5250	PASS
-10	120	5179.965460	5150-5250	PASS
-20	120	5179.973370	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5179.951656	5150-5250	PASS
	120	5179.987415	5150-5250	PASS
	132	5179.956744	5150-5250	PASS

IEEE 802.11a MHz mode / 5180 ~ 5240MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5239.999987	5150-5250	PASS
40	120	5239.995417	5150-5250	PASS
30	120	5239.984878	5150-5250	PASS
20	120	5239.997872	5150-5250	PASS
10	120	5239.995883	5150-5250	PASS
0	120	5239.963186	5150-5250	PASS
-10	120	5239.984254	5150-5250	PASS
-20	120	5239.988093	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5239.949056	5150-5250	PASS
	120	5239.997872	5150-5250	PASS
	132	5239.975631	5150-5250	PASS





IEEE 802.11a mode / 5260 ~ 5320MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5259.950397	5250-5350	PASS
40	120	5259.971405	5250-5350	PASS
30	120	5259.952903	5250-5350	PASS
20	120	5259.987534	5250-5350	PASS
10	120	5259.978080	5250-5350	PASS
0	120	5259.970607	5250-5350	PASS
-10	120	5259.994738	5250-5350	PASS
-20	120	5259.973939	5250-5350	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5259.970146	5250-5350	PASS
	120	5259.987534	5250-5350	PASS
	132	5259.985134	5250-5350	PASS

IEEE 802.11a mode / 5260 ~ 5320MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5319.954200	5250-5350	PASS
40	120	5319.980869	5250-5350	PASS
30	120	5319.955561	5250-5350	PASS
20	120	5320.000643	5250-5350	PASS
10	120	5319.995393	5250-5350	PASS
0	120	5319.952837	5250-5350	PASS
-10	120	5319.985510	5250-5350	PASS
-20	120	5319.995215	5250-5350	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5319.994539	5250-5350	PASS
	120	5320.000643	5250-5350	PASS
	132	5319.952544	5250-5350	PASS



IEEE 802.11a mode / 5500 ~ 5700MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5499.959424	5475-5725	PASS
40	120	5499.978642	5475-5725	PASS
30	120	5499.961252	5475-5725	PASS
20	120	5499.988454	5475-5725	PASS
10	120	5499.967735	5475-5725	PASS
0	120	5499.978099	5475-5725	PASS
-10	120	5499.949873	5475-5725	PASS
-20	120	5499.965639	5475-5725	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5499.972573	5475-5725	PASS
	120	5499.988454	5475-5725	PASS
	132	5499.972580	5475-5725	PASS

IEEE 802.11a mode / 5500 ~ 5700MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5699.990439	5475-5725	PASS
40	120	5699.968562	5475-5725	PASS
30	120	5699.998094	5475-5725	PASS
20	120	5699.988789	5475-5725	PASS
10	120	5699.973570	5475-5725	PASS
0	120	5699.995858	5475-5725	PASS
-10	120	5699.987839	5475-5725	PASS
-20	120	5699.953333	5475-5725	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5699.990903	5475-5725	PASS
	120	5699.988789	5475-5725	PASS
	132	5699.990983	5475-5725	PASS



IEEE 802.11a mode / 5745 ~ 5825MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5744.981476	5725-5850	PASS
40	120	5744.959264	5725-5850	PASS
30	120	5744.981568	5725-5850	PASS
20	120	5744.987676	5725-5850	PASS
10	120	5744.986918	5725-5850	PASS
0	120	5744.970574	5725-5850	PASS
-10	120	5744.963595	5725-5850	PASS
-20	120	5744.977150	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5744.972682	5725-5850	PASS
	120	5744.987676	5725-5850	PASS
	132	5744.989273	5725-5850	PASS

IEEE 802.11a mode / 5745 ~ 5825MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5824.966135	5725-5850	PASS
40	120	5824.953884	5725-5850	PASS
30	120	5824.993649	5725-5850	PASS
20	120	5824.985484	5725-5850	PASS
10	120	5824.999657	5725-5850	PASS
0	120	5824.979263	5725-5850	PASS
-10	120	5824.982449	5725-5850	PASS
-20	120	5824.958475	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5824.981340	5725-5850	PASS
	120	5824.985484	5725-5850	PASS
	132	5824.993902	5725-5850	PASS



**IEEE 802.11n HT 20 MHz mode / 5180 ~ 5240MHz (Low)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5179.967292	5150-5250	PASS
40	120	5179.990257	5150-5250	PASS
30	120	5179.950633	5150-5250	PASS
20	120	5179.985548	5150-5250	PASS
10	120	5179.974787	5150-5250	PASS
0	120	5179.957973	5150-5250	PASS
-10	120	5179.960728	5150-5250	PASS
-20	120	5179.954783	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5179.981091	5150-5250	PASS
	120	5179.985548	5150-5250	PASS
	132	5179.975077	5150-5250	PASS

**IEEE 802.11n HT 20 MHz mode / 5180 ~ 5240MHz (High)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5239.962559	5150-5250	PASS
40	120	5239.985396	5150-5250	PASS
30	120	5239.958948	5150-5250	PASS
20	120	5239.987657	5150-5250	PASS
10	120	5239.962840	5150-5250	PASS
0	120	5239.959431	5150-5250	PASS
-10	120	5239.998319	5150-5250	PASS
-20	120	5239.971121	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5239.967188	5150-5250	PASS
	120	5239.987657	5150-5250	PASS
	132	5239.993788	5150-5250	PASS



**IEEE 802.11n HT 20 MHz mode / 5260 ~ 5320MHz (Low)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5259.971267	5250-5350	PASS
40	120	5259.963024	5250-5350	PASS
30	120	5259.965269	5250-5350	PASS
20	120	5259.987546	5250-5350	PASS
10	120	5259.962295	5250-5350	PASS
0	120	5259.973139	5250-5350	PASS
-10	120	5259.961382	5250-5350	PASS
-20	120	5259.967826	5250-5350	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5259.966801	5250-5350	PASS
	120	5259.987546	5250-5350	PASS
	132	5259.981796	5250-5350	PASS

**IEEE 802.11n HT 20 MHz mode / 5260 ~ 5320MHz (High)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5319.989985	5250-5350	PASS
40	120	5319.972150	5250-5350	PASS
30	120	5319.981077	5250-5350	PASS
20	120	5319.974454	5250-5350	PASS
10	120	5319.949895	5250-5350	PASS
0	120	5319.973565	5250-5350	PASS
-10	120	5319.990365	5250-5350	PASS
-20	120	5319.990470	5250-5350	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5319.953360	5250-5350	PASS
	120	5319.974454	5250-5350	PASS
	132	5319.987930	5250-5350	PASS



**IEEE 802.11n HT 20 MHz mode / 5500 ~ 5700MHz (Low)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5499.958797	5475-5725	PASS
40	120	5499.953531	5475-5725	PASS
30	120	5499.984134	5475-5725	PASS
20	120	5499.986574	5475-5725	PASS
10	120	5499.977339	5475-5725	PASS
0	120	5499.956169	5475-5725	PASS
-10	120	5499.966993	5475-5725	PASS
-20	120	5499.982018	5475-5725	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5499.951083	5475-5725	PASS
	120	5499.986574	5475-5725	PASS
	132	5499.977648	5475-5725	PASS

**IEEE 802.11n HT 20 MHz mode / 5500 ~ 5700MHz (High)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5699.976894	5475-5725	PASS
40	120	5699.981558	5475-5725	PASS
30	120	5699.966039	5475-5725	PASS
20	120	5699.987435	5475-5725	PASS
10	120	5699.968138	5475-5725	PASS
0	120	5699.971642	5475-5725	PASS
-10	120	5699.979025	5475-5725	PASS
-20	120	5699.964282	5475-5725	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5699.955467	5475-5725	PASS
	120	5699.987435	5475-5725	PASS
	132	5699.965791	5475-5725	PASS



**IEEE 802.11n HT 20 MHz mode / 5745 ~ 5825MHz (Low)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5744.998093	5725-5850	PASS
40	120	5744.988501	5725-5850	PASS
30	120	5744.982100	5725-5850	PASS
20	120	5744.978656	5725-5850	PASS
10	120	5744.984308	5725-5850	PASS
0	120	5744.951771	5725-5850	PASS
-10	120	5744.997707	5725-5850	PASS
-20	120	5744.985314	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5744.993413	5725-5850	PASS
	120	5744.978656	5725-5850	PASS
	132	5744.985795	5725-5850	PASS

**IEEE 802.11n HT 20 MHz mode / 5745 ~ 5825MHz (High)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5824.978896	5725-5850	PASS
40	120	5824.950108	5725-5850	PASS
30	120	5824.993378	5725-5850	PASS
20	120	5824.974750	5725-5850	PASS
10	120	5824.994582	5725-5850	PASS
0	120	5824.961061	5725-5850	PASS
-10	120	5824.991019	5725-5850	PASS
-20	120	5824.968053	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5824.998929	5725-5850	PASS
	120	5824.974750	5725-5850	PASS
	132	5824.973535	5725-5850	PASS



**IEEE 802.11n HT 40 MHz mode / 5190 ~ 5230MHz (Low)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5189.974578	5150-5250	PASS
40	120	5189.960791	5150-5250	PASS
30	120	5189.962831	5150-5250	PASS
20	120	5189.997841	5150-5250	PASS
10	120	5189.985305	5150-5250	PASS
0	120	5189.975458	5150-5250	PASS
-10	120	5189.967396	5150-5250	PASS
-20	120	5189.960960	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5189.965901	5150-5250	PASS
	120	5189.997841	5150-5250	PASS
	132	5189.973252	5150-5250	PASS

**IEEE 802.11n HT 40 MHz mode / 5190 ~ 5230MHz (High)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5229.994150	5150-5250	PASS
40	120	5229.954451	5150-5250	PASS
30	120	5229.980414	5150-5250	PASS
20	120	5230.000145	5150-5250	PASS
10	120	5229.985715	5150-5250	PASS
0	120	5229.957876	5150-5250	PASS
-10	120	5229.985975	5150-5250	PASS
-20	120	5229.996253	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5229.962177	5150-5250	PASS
	120	5230.000145	5150-5250	PASS
	132	5229.988734	5150-5250	PASS





**IEEE 802.11n HT 40 MHz mode / 5270 ~ 5310MHz (Low)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5269.985890	5250-5350	PASS
40	120	5269.967016	5250-5350	PASS
30	120	5269.989926	5250-5350	PASS
20	120	5269.986748	5250-5350	PASS
10	120	5269.956917	5250-5350	PASS
0	120	5269.996297	5250-5350	PASS
-10	120	5269.982319	5250-5350	PASS
-20	120	5269.971490	5250-5350	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5269.953237	5250-5350	PASS
	120	5269.986748	5250-5350	PASS
	132	5269.972048	5250-5350	PASS

**IEEE 802.11n HT 40 MHz mode / 5270 ~ 5310MHz (High)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5309.988174	5250-5350	PASS
40	120	5309.999889	5250-5350	PASS
30	120	5309.999466	5250-5350	PASS
20	120	5310.000474	5250-5350	PASS
10	120	5309.998463	5250-5350	PASS
0	120	5309.957235	5250-5350	PASS
-10	120	5309.965930	5250-5350	PASS
-20	120	5309.978540	5250-5350	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5309.959423	5250-5350	PASS
	120	5310.000474	5250-5350	PASS
	132	5309.957658	5250-5350	PASS



IEEE 802.11n HT 40 MHz mode / 5510 ~ 5670MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5509.953289	5475-5725	PASS
40	120	5509.991772	5475-5725	PASS
30	120	5509.978553	5475-5725	PASS
20	120	5509.987416	5475-5725	PASS
10	120	5509.961479	5475-5725	PASS
0	120	5509.973119	5475-5725	PASS
-10	120	5509.996918	5475-5725	PASS
-20	120	5509.971737	5475-5725	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5509.973305	5475-5725	PASS
	120	5509.987416	5475-5725	PASS
	132	5509.951206	5475-5725	PASS

IEEE 802.11n HT 40 MHz mode / 5510 ~ 5670MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5669.973651	5475-5725	PASS
40	120	5669.950678	5475-5725	PASS
30	120	5669.965169	5475-5725	PASS
20	120	5670.000354	5475-5725	PASS
10	120	5669.995534	5475-5725	PASS
0	120	5669.984363	5475-5725	PASS
-10	120	5669.956388	5475-5725	PASS
-20	120	5669.987579	5475-5725	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5669.987753	5475-5725	PASS
	120	5670.000354	5475-5725	PASS
	132	5669.978859	5475-5725	PASS



**IEEE 802.11n HT 40 MHz mode / 5755 ~ 5795MHz (Low)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5754.974714	5725-5850	PASS
40	120	5754.973631	5725-5850	PASS
30	120	5754.999826	5725-5850	PASS
20	120	5754.984645	5725-5850	PASS
10	120	5754.981964	5725-5850	PASS
0	120	5754.966515	5725-5850	PASS
-10	120	5754.998670	5725-5850	PASS
-20	120	5754.988421	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5754.999329	5725-5850	PASS
	120	5754.984645	5725-5850	PASS
	132	5754.976591	5725-5850	PASS

**IEEE 802.11n HT 40 MHz mode / 5755 ~ 5795MHz (High)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5794.961012	5725-5850	PASS
40	120	5794.978656	5725-5850	PASS
30	120	5794.976621	5725-5850	PASS
20	120	5794.987215	5725-5850	PASS
10	120	5794.975233	5725-5850	PASS
0	120	5794.980287	5725-5850	PASS
-10	120	5794.950711	5725-5850	PASS
-20	120	5794.962329	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5794.978922	5725-5850	PASS
	120	5794.987215	5725-5850	PASS
	132	5794.988281	5725-5850	PASS



**IEEE 802.11ac 20 mode / 5180 ~ 5240MHz (Low)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5179.983216	5150-5250	PASS
40	120	5179.955431	5150-5250	PASS
30	120	5179.958831	5150-5250	PASS
20	120	5179.987545	5150-5250	PASS
10	120	5179.981680	5150-5250	PASS
0	120	5179.984304	5150-5250	PASS
-10	120	5179.978107	5150-5250	PASS
-20	120	5179.997610	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5179.988376	5150-5250	PASS
	120	5179.987545	5150-5250	PASS
	132	5179.976338	5150-5250	PASS

**IEEE 802.11ac 20 mode / 5180 ~ 5240MHz (High)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5239.981818	5150-5250	PASS
40	120	5239.986557	5150-5250	PASS
30	120	5239.989892	5150-5250	PASS
20	120	5239.974154	5150-5250	PASS
10	120	5239.973712	5150-5250	PASS
0	120	5239.982016	5150-5250	PASS
-10	120	5239.977760	5150-5250	PASS
-20	120	5239.978661	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5239.964758	5150-5250	PASS
	120	5239.974154	5150-5250	PASS
	132	5239.971184	5150-5250	PASS



IEEE 802.11ac 20 mode / 5260 ~ 5320MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5259.970022	5250-5350	PASS
40	120	5259.991086	5250-5350	PASS
30	120	5259.956743	5250-5350	PASS
20	120	5259.986571	5250-5350	PASS
10	120	5259.998159	5250-5350	PASS
0	120	5259.951676	5250-5350	PASS
-10	120	5259.954534	5250-5350	PASS
-20	120	5259.983191	5250-5350	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5259.967125	5250-5350	PASS
	120	5259.986571	5250-5350	PASS
	132	5259.963855	5250-5350	PASS

IEEE 802.11ac 20 mode / 5260 ~ 5320MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5319.960854	5250-5350	PASS
40	120	5319.950290	5250-5350	PASS
30	120	5319.988362	5250-5350	PASS
20	120	5319.987564	5250-5350	PASS
10	120	5319.996836	5250-5350	PASS
0	120	5319.981917	5250-5350	PASS
-10	120	5319.966146	5250-5350	PASS
-20	120	5319.958785	5250-5350	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5319.975224	5250-5350	PASS
	120	5319.987564	5250-5350	PASS
	132	5319.973155	5250-5350	PASS



**IEEE 802.11ac 20 mode / 5500 ~ 5700MHz (Low)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5499.985714	5475-5725	PASS
40	120	5499.967536	5475-5725	PASS
30	120	5499.971623	5475-5725	PASS
20	120	5499.986878	5475-5725	PASS
10	120	5499.973807	5475-5725	PASS
0	120	5499.950115	5475-5725	PASS
-10	120	5499.981555	5475-5725	PASS
-20	120	5499.973442	5475-5725	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5499.987669	5475-5725	PASS
	120	5499.986878	5475-5725	PASS
	132	5499.963283	5475-5725	PASS

**IEEE 802.11ac 20 mode / 5500 ~ 5700MHz (High)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5699.999311	5475-5725	PASS
40	120	5699.988479	5475-5725	PASS
30	120	5699.977986	5475-5725	PASS
20	120	5699.975475	5475-5725	PASS
10	120	5699.951965	5475-5725	PASS
0	120	5699.979532	5475-5725	PASS
-10	120	5699.964416	5475-5725	PASS
-20	120	5699.980628	5475-5725	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5699.978548	5475-5725	PASS
	120	5699.975475	5475-5725	PASS
	132	5699.965080	5475-5725	PASS



**IEEE 802.11ac 20 mode / 5745 ~ 5825MHz (Low)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5744.978968	5725-5850	PASS
40	120	5744.992524	5725-5850	PASS
30	120	5744.950921	5725-5850	PASS
20	120	5744.983746	5725-5850	PASS
10	120	5744.976956	5725-5850	PASS
0	120	5744.971181	5725-5850	PASS
-10	120	5744.986537	5725-5850	PASS
-20	120	5744.974432	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5744.977376	5725-5850	PASS
	120	5744.983746	5725-5850	PASS
	132	5744.989210	5725-5850	PASS

**IEEE 802.11ac 20 mode / 5745 ~ 5825MHz (High)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5824.967914	5725-5850	PASS
40	120	5824.992893	5725-5850	PASS
30	120	5824.983970	5725-5850	PASS
20	120	5824.975459	5725-5850	PASS
10	120	5824.951921	5725-5850	PASS
0	120	5824.953549	5725-5850	PASS
-10	120	5824.952827	5725-5850	PASS
-20	120	5824.971984	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5824.991185	5725-5850	PASS
	120	5824.975459	5725-5850	PASS
	132	5824.960776	5725-5850	PASS



IEEE 802.11ac 40 mode / 5190 ~ 5230MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5189.979889	5150-5250	PASS
40	120	5189.966334	5150-5250	PASS
30	120	5189.981578	5150-5250	PASS
20	120	5189.987645	5150-5250	PASS
10	120	5189.990829	5150-5250	PASS
0	120	5189.959028	5150-5250	PASS
-10	120	5189.970527	5150-5250	PASS
-20	120	5189.964728	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5189.971344	5150-5250	PASS
	120	5189.987645	5150-5250	PASS
	132	5189.970353	5150-5250	PASS

IEEE 802.11ac 40 mode / 5190 ~ 5230MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5229.960523	5150-5250	PASS
40	120	5229.966570	5150-5250	PASS
30	120	5229.970923	5150-5250	PASS
20	120	5230.000475	5150-5250	PASS
10	120	5229.993170	5150-5250	PASS
0	120	5229.973519	5150-5250	PASS
-10	120	5229.992659	5150-5250	PASS
-20	120	5229.998211	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5229.959336	5150-5250	PASS
	120	5230.000475	5150-5250	PASS
	132	5229.955831	5150-5250	PASS





IEEE 802.11ac 40 mode / 5270 ~ 5310MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5269.964497	5250-5350	PASS
40	120	5269.976086	5250-5350	PASS
30	120	5269.983149	5250-5350	PASS
20	120	5269.955477	5250-5350	PASS
10	120	5269.969662	5250-5350	PASS
0	120	5269.973162	5250-5350	PASS
-10	120	5269.997255	5250-5350	PASS
-20	120	5269.949801	5250-5350	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5269.988083	5250-5350	PASS
	120	5269.955477	5250-5350	PASS
	132	5269.970646	5250-5350	PASS

IEEE 802.11ac 40 mode / 5270 ~ 5310MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5309.976928	5250-5350	PASS
40	120	5309.977066	5250-5350	PASS
30	120	5309.996396	5250-5350	PASS
20	120	5310.000879	5250-5350	PASS
10	120	5309.980150	5250-5350	PASS
0	120	5309.977068	5250-5350	PASS
-10	120	5309.987011	5250-5350	PASS
-20	120	5309.965323	5250-5350	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5309.984844	5250-5350	PASS
	120	5310.000879	5250-5350	PASS
	132	5309.976786	5250-5350	PASS



IEEE 802.11ac 40 mode / 5510 ~ 5670MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5509.969161	5475-5725	PASS
40	120	5509.957093	5475-5725	PASS
30	120	5509.971044	5475-5725	PASS
20	120	5509.975446	5475-5725	PASS
10	120	5509.975911	5475-5725	PASS
0	120	5509.965219	5475-5725	PASS
-10	120	5509.995018	5475-5725	PASS
-20	120	5509.988889	5475-5725	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5509.992392	5475-5725	PASS
	120	5509.975446	5475-5725	PASS
	132	5509.964299	5475-5725	PASS

IEEE 802.11ac 40 mode / 5510 ~ 5670MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5669.993983	5475-5725	PASS
40	120	5669.961274	5475-5725	PASS
30	120	5669.991526	5475-5725	PASS
20	120	5670.000549	5475-5725	PASS
10	120	5669.965434	5475-5725	PASS
0	120	5669.955924	5475-5725	PASS
-10	120	5669.987533	5475-5725	PASS
-20	120	5669.981027	5475-5725	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5669.995326	5475-5725	PASS
	120	5670.000549	5475-5725	PASS
	132	5669.981856	5475-5725	PASS



IEEE 802.11ac 40 mode / 5755 ~ 5795MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5754.988732	5725-5850	PASS
40	120	5754.993614	5725-5850	PASS
30	120	5754.990652	5725-5850	PASS
20	120	5754.994756	5725-5850	PASS
10	120	5754.991209	5725-5850	PASS
0	120	5754.984227	5725-5850	PASS
-10	120	5754.974453	5725-5850	PASS
-20	120	5754.950140	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5754.995734	5725-5850	PASS
	120	5754.994756	5725-5850	PASS
	132	5754.964884	5725-5850	PASS

IEEE 802.11ac 40 mode / 5755 ~ 5795MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5794.977008	5725-5850	PASS
40	120	5794.973173	5725-5850	PASS
30	120	5794.973431	5725-5850	PASS
20	120	5794.987452	5725-5850	PASS
10	120	5794.957045	5725-5850	PASS
0	120	5794.983121	5725-5850	PASS
-10	120	5794.995805	5725-5850	PASS
-20	120	5794.966283	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5794.955326	5725-5850	PASS
	120	5794.987452	5725-5850	PASS
	132	5794.967645	5725-5850	PASS



**IEEE 802.11ac 80 mode / 5210MHz**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5209.974043	5150-5250	PASS
40	120	5209.991321	5150-5250	PASS
30	120	5209.966412	5150-5250	PASS
20	120	5210.000485	5150-5250	PASS
10	120	5209.990034	5150-5250	PASS
0	120	5209.983925	5150-5250	PASS
-10	120	5209.970924	5150-5250	PASS
-20	120	5209.967610	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5209.983722	5150-5250	PASS
	120	5210.000485	5150-5250	PASS
	132	5209.988563	5150-5250	PASS

**IEEE 802.11ac 80 mode / 5290MHz**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5289.953153	5250-5350	PASS
40	120	5289.949710	5250-5350	PASS
30	120	5289.964012	5250-5350	PASS
20	120	5289.987457	5250-5350	PASS
10	120	5289.976542	5250-5350	PASS
0	120	5289.972097	5250-5350	PASS
-10	120	5289.961308	5250-5350	PASS
-20	120	5289.980059	5250-5350	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5289.966026	5250-5350	PASS
	120	5289.987457	5250-5350	PASS
	132	5289.966444	5250-5350	PASS



IEEE 802.11ac 80 mode / 5530MHz

Environment Temperature ( °C )	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5529.969773	5475-5725	PASS
40	120	5529.995792	5475-5725	PASS
30	120	5529.982901	5475-5725	PASS
20	120	5529.956771	5475-5725	PASS
10	120	5529.986531	5475-5725	PASS
0	120	5529.959143	5475-5725	PASS
-10	120	5529.996830	5475-5725	PASS
-20	120	5529.994385	5475-5725	PASS

Environment Temperature ( °C )	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5529.994792	5475-5725	PASS
	120	5529.956771	5475-5725	PASS
	132	5529.992004	5475-5725	PASS

IEEE 802.11ac 80 mode / 5775MHz

Environment Temperature ( °C )	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5774.977670	5725-5850	PASS
40	120	5774.973364	5725-5850	PASS
30	120	5774.989754	5725-5850	PASS
20	120	5774.987712	5725-5850	PASS
10	120	5774.969725	5725-5850	PASS
0	120	5774.956768	5725-5850	PASS
-10	120	5774.977992	5725-5850	PASS
-20	120	5774.966302	5725-5850	PASS

Environment Temperature ( °C )	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5774.997993	5725-5850	PASS
	120	5774.987712	5725-5850	PASS
	132	5774.981728	5725-5850	PASS



Antenna 2 Test Data

IEEE 802.11a MHz mode / 5180 ~ 5240MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5179.975432	5150-5250	PASS
40	120	5179.959187	5150-5250	PASS
30	120	5179.950849	5150-5250	PASS
20	120	5179.987365	5150-5250	PASS
10	120	5179.959493	5150-5250	PASS
0	120	5179.972797	5150-5250	PASS
-10	120	5179.980803	5150-5250	PASS
-20	120	5179.961246	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5179.996483	5150-5250	PASS
	120	5179.987365	5150-5250	PASS
	132	5179.982307	5150-5250	PASS

IEEE 802.11a MHz mode / 5180 ~ 5240MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5239.971347	5150-5250	PASS
40	120	5239.962679	5150-5250	PASS
30	120	5239.976307	5150-5250	PASS
20	120	5239.997756	5150-5250	PASS
10	120	5239.998286	5150-5250	PASS
0	120	5239.983967	5150-5250	PASS
-10	120	5239.961733	5150-5250	PASS
-20	120	5239.997999	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5239.958468	5150-5250	PASS
	120	5239.997756	5150-5250	PASS
	132	5239.979272	5150-5250	PASS



IEEE 802.11a mode / 5260 ~ 5320MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5259.991968	5250-5350	PASS
40	120	5259.987150	5250-5350	PASS
30	120	5259.956434	5250-5350	PASS
20	120	5259.987984	5250-5350	PASS
10	120	5259.973520	5250-5350	PASS
0	120	5259.950464	5250-5350	PASS
-10	120	5259.965141	5250-5350	PASS
-20	120	5259.961616	5250-5350	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5259.956507	5250-5350	PASS
	120	5259.987984	5250-5350	PASS
	132	5259.964924	5250-5350	PASS

IEEE 802.11a mode / 5260 ~ 5320MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5319.986271	5250-5350	PASS
40	120	5319.971307	5250-5350	PASS
30	120	5319.979471	5250-5350	PASS
20	120	5320.000354	5250-5350	PASS
10	120	5319.995891	5250-5350	PASS
0	120	5319.958112	5250-5350	PASS
-10	120	5319.980339	5250-5350	PASS
-20	120	5319.991543	5250-5350	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5319.975602	5250-5350	PASS
	120	5320.000354	5250-5350	PASS
	132	5319.950684	5250-5350	PASS



**IEEE 802.11a mode / 5500 ~ 5700MHz (Low)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5499.990662	5475-5725	PASS
40	120	5499.996851	5475-5725	PASS
30	120	5499.974747	5475-5725	PASS
20	120	5499.988974	5475-5725	PASS
10	120	5499.986319	5475-5725	PASS
0	120	5499.963652	5475-5725	PASS
-10	120	5499.952707	5475-5725	PASS
-20	120	5499.954931	5475-5725	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5499.999033	5475-5725	PASS
	120	5499.988974	5475-5725	PASS
	132	5499.993582	5475-5725	PASS

**IEEE 802.11a mode / 5500 ~ 5700MHz (High)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5699.964028	5475-5725	PASS
40	120	5699.970665	5475-5725	PASS
30	120	5699.980838	5475-5725	PASS
20	120	5699.989742	5475-5725	PASS
10	120	5699.955326	5475-5725	PASS
0	120	5699.959049	5475-5725	PASS
-10	120	5699.975359	5475-5725	PASS
-20	120	5699.956269	5475-5725	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5699.968130	5475-5725	PASS
	120	5699.989742	5475-5725	PASS
	132	5699.962977	5475-5725	PASS





IEEE 802.11a mode / 5745 ~ 5825MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5744.969500	5725-5850	PASS
40	120	5744.987239	5725-5850	PASS
30	120	5744.998462	5725-5850	PASS
20	120	5744.988546	5725-5850	PASS
10	120	5744.995539	5725-5850	PASS
0	120	5744.976180	5725-5850	PASS
-10	120	5744.968257	5725-5850	PASS
-20	120	5744.957075	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5744.950748	5725-5850	PASS
	120	5744.988546	5725-5850	PASS
	132	5744.985699	5725-5850	PASS

IEEE 802.11a mode / 5745 ~ 5825MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5824.982735	5725-5850	PASS
40	120	5824.976400	5725-5850	PASS
30	120	5824.978630	5725-5850	PASS
20	120	5824.987475	5725-5850	PASS
10	120	5824.994859	5725-5850	PASS
0	120	5824.986672	5725-5850	PASS
-10	120	5824.950876	5725-5850	PASS
-20	120	5824.967178	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5824.957880	5725-5850	PASS
	120	5824.987475	5725-5850	PASS
	132	5824.949100	5725-5850	PASS



**IEEE 802.11n HT 20 MHz mode / 5180 ~ 5240MHz (Low)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5179.988947	5150-5250	PASS
40	120	5179.955150	5150-5250	PASS
30	120	5179.984362	5150-5250	PASS
20	120	5179.987556	5150-5250	PASS
10	120	5179.951811	5150-5250	PASS
0	120	5179.990940	5150-5250	PASS
-10	120	5179.949680	5150-5250	PASS
-20	120	5179.981685	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5179.995759	5150-5250	PASS
	120	5179.987556	5150-5250	PASS
	132	5179.978807	5150-5250	PASS

**IEEE 802.11n HT 20 MHz mode / 5180 ~ 5240MHz (High)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5239.966041	5150-5250	PASS
40	120	5239.992332	5150-5250	PASS
30	120	5239.981511	5150-5250	PASS
20	120	5239.988541	5150-5250	PASS
10	120	5239.970504	5150-5250	PASS
0	120	5239.972453	5150-5250	PASS
-10	120	5239.972061	5150-5250	PASS
-20	120	5239.977854	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5239.950193	5150-5250	PASS
	120	5239.988541	5150-5250	PASS
	132	5239.956103	5150-5250	PASS



**IEEE 802.11n HT 20 MHz mode / 5260 ~ 5320MHz (Low)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5259.989050	5250-5350	PASS
40	120	5259.971469	5250-5350	PASS
30	120	5259.987500	5250-5350	PASS
20	120	5259.987984	5250-5350	PASS
10	120	5259.969848	5250-5350	PASS
0	120	5259.995656	5250-5350	PASS
-10	120	5259.987419	5250-5350	PASS
-20	120	5259.997042	5250-5350	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5259.950166	5250-5350	PASS
	120	5259.987984	5250-5350	PASS
	132	5259.975193	5250-5350	PASS

**IEEE 802.11n HT 20 MHz mode / 5260 ~ 5320MHz (High)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5319.972821	5250-5350	PASS
40	120	5319.955919	5250-5350	PASS
30	120	5319.980130	5250-5350	PASS
20	120	5319.984564	5250-5350	PASS
10	120	5319.996658	5250-5350	PASS
0	120	5319.962438	5250-5350	PASS
-10	120	5319.954571	5250-5350	PASS
-20	120	5319.974073	5250-5350	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5319.991883	5250-5350	PASS
	120	5319.984564	5250-5350	PASS
	132	5319.995950	5250-5350	PASS



**IEEE 802.11n HT 20 MHz mode / 5500 ~ 5700MHz (Low)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5499.982641	5475-5725	PASS
40	120	5499.998773	5475-5725	PASS
30	120	5499.957015	5475-5725	PASS
20	120	5499.987545	5475-5725	PASS
10	120	5499.985926	5475-5725	PASS
0	120	5499.983432	5475-5725	PASS
-10	120	5499.980470	5475-5725	PASS
-20	120	5499.985134	5475-5725	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5499.960236	5475-5725	PASS
	120	5499.987545	5475-5725	PASS
	132	5499.953317	5475-5725	PASS

**IEEE 802.11n HT 20 MHz mode / 5500 ~ 5700MHz (High)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5699.974098	5475-5725	PASS
40	120	5699.950744	5475-5725	PASS
30	120	5699.980912	5475-5725	PASS
20	120	5699.988467	5475-5725	PASS
10	120	5699.959257	5475-5725	PASS
0	120	5699.955273	5475-5725	PASS
-10	120	5699.981202	5475-5725	PASS
-20	120	5699.997498	5475-5725	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5699.979084	5475-5725	PASS
	120	5699.988467	5475-5725	PASS
	132	5699.988573	5475-5725	PASS



**IEEE 802.11n HT 20 MHz mode / 5745 ~ 5825MHz (Low)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5744.963212	5725-5850	PASS
40	120	5744.950067	5725-5850	PASS
30	120	5744.993240	5725-5850	PASS
20	120	5744.978751	5725-5850	PASS
10	120	5744.994518	5725-5850	PASS
0	120	5744.979056	5725-5850	PASS
-10	120	5744.978747	5725-5850	PASS
-20	120	5744.953906	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5744.954037	5725-5850	PASS
	120	5744.978751	5725-5850	PASS
	132	5744.958966	5725-5850	PASS

**IEEE 802.11n HT 20 MHz mode / 5745 ~ 5825MHz (High)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5824.973819	5725-5850	PASS
40	120	5824.983596	5725-5850	PASS
30	120	5824.973052	5725-5850	PASS
20	120	5824.978564	5725-5850	PASS
10	120	5824.977418	5725-5850	PASS
0	120	5824.968448	5725-5850	PASS
-10	120	5824.949381	5725-5850	PASS
-20	120	5824.949695	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5824.962856	5725-5850	PASS
	120	5824.978564	5725-5850	PASS
	132	5824.968803	5725-5850	PASS



**IEEE 802.11n HT 40 MHz mode / 5190 ~ 5230MHz (Low)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5189.957060	5150-5250	PASS
40	120	5189.983205	5150-5250	PASS
30	120	5189.978593	5150-5250	PASS
20	120	5189.998421	5150-5250	PASS
10	120	5189.963069	5150-5250	PASS
0	120	5189.990118	5150-5250	PASS
-10	120	5189.995566	5150-5250	PASS
-20	120	5189.955896	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5189.958734	5150-5250	PASS
	120	5189.998421	5150-5250	PASS
	132	5189.955982	5150-5250	PASS

**IEEE 802.11n HT 40 MHz mode / 5190 ~ 5230MHz (High)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5229.991156	5150-5250	PASS
40	120	5229.958795	5150-5250	PASS
30	120	5229.987149	5150-5250	PASS
20	120	5230.000314	5150-5250	PASS
10	120	5229.956796	5150-5250	PASS
0	120	5229.960219	5150-5250	PASS
-10	120	5229.971920	5150-5250	PASS
-20	120	5229.963445	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5229.992219	5150-5250	PASS
	120	5230.000314	5150-5250	PASS
	132	5229.963438	5150-5250	PASS



**IEEE 802.11n HT 40 MHz mode / 5270 ~ 5310MHz (Low)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5269.986050	5250-5350	PASS
40	120	5269.953343	5250-5350	PASS
30	120	5269.984873	5250-5350	PASS
20	120	5269.988126	5250-5350	PASS
10	120	5269.968393	5250-5350	PASS
0	120	5269.956977	5250-5350	PASS
-10	120	5269.992647	5250-5350	PASS
-20	120	5269.998770	5250-5350	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5269.994247	5250-5350	PASS
	120	5269.988126	5250-5350	PASS
	132	5269.955105	5250-5350	PASS

**IEEE 802.11n HT 40 MHz mode / 5270 ~ 5310MHz (High)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5309.990329	5250-5350	PASS
40	120	5309.973268	5250-5350	PASS
30	120	5309.962447	5250-5350	PASS
20	120	5310.000323	5250-5350	PASS
10	120	5309.989006	5250-5350	PASS
0	120	5309.983908	5250-5350	PASS
-10	120	5309.959117	5250-5350	PASS
-20	120	5309.953225	5250-5350	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5309.992559	5250-5350	PASS
	120	5310.000323	5250-5350	PASS
	132	5309.969965	5250-5350	PASS



IEEE 802.11n HT 40 MHz mode / 5510 ~ 5670MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5509.986971	5475-5725	PASS
40	120	5509.974086	5475-5725	PASS
30	120	5509.984931	5475-5725	PASS
20	120	5509.988544	5475-5725	PASS
10	120	5509.991121	5475-5725	PASS
0	120	5509.969025	5475-5725	PASS
-10	120	5509.956871	5475-5725	PASS
-20	120	5509.981051	5475-5725	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5509.981070	5475-5725	PASS
	120	5509.988544	5475-5725	PASS
	132	5509.955845	5475-5725	PASS

IEEE 802.11n HT 40 MHz mode / 5510 ~ 5670MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5669.982011	5475-5725	PASS
40	120	5669.957472	5475-5725	PASS
30	120	5669.951525	5475-5725	PASS
20	120	5670.000145	5475-5725	PASS
10	120	5669.951263	5475-5725	PASS
0	120	5669.983190	5475-5725	PASS
-10	120	5669.997614	5475-5725	PASS
-20	120	5669.953252	5475-5725	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5669.955002	5475-5725	PASS
	120	5670.000145	5475-5725	PASS
	132	5669.987393	5475-5725	PASS





IEEE 802.11n HT 40 MHz mode / 5755 ~ 5795MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5754.957081	5725-5850	PASS
40	120	5754.992769	5725-5850	PASS
30	120	5754.959995	5725-5850	PASS
20	120	5754.988724	5725-5850	PASS
10	120	5754.972132	5725-5850	PASS
0	120	5754.971535	5725-5850	PASS
-10	120	5754.978250	5725-5850	PASS
-20	120	5754.997429	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5754.973857	5725-5850	PASS
	120	5754.988724	5725-5850	PASS
	132	5754.992431	5725-5850	PASS

IEEE 802.11n HT 40 MHz mode / 5755 ~ 5795MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5794.972295	5725-5850	PASS
40	120	5794.987052	5725-5850	PASS
30	120	5794.981444	5725-5850	PASS
20	120	5794.988742	5725-5850	PASS
10	120	5794.998703	5725-5850	PASS
0	120	5794.960532	5725-5850	PASS
-10	120	5794.975507	5725-5850	PASS
-20	120	5794.982984	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5794.969904	5725-5850	PASS
	120	5794.988742	5725-5850	PASS
	132	5794.951657	5725-5850	PASS



**IEEE 802.11ac 20 mode / 5180 ~ 5240MHz (Low)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5179.959310	5150-5250	PASS
40	120	5179.955645	5150-5250	PASS
30	120	5179.988995	5150-5250	PASS
20	120	5179.987874	5150-5250	PASS
10	120	5179.951680	5150-5250	PASS
0	120	5179.987374	5150-5250	PASS
-10	120	5179.984803	5150-5250	PASS
-20	120	5179.971452	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5179.990980	5150-5250	PASS
	120	5179.987874	5150-5250	PASS
	132	5179.990852	5150-5250	PASS

**IEEE 802.11ac 20 mode / 5180 ~ 5240MHz (High)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5239.986885	5150-5250	PASS
40	120	5239.976764	5150-5250	PASS
30	120	5239.978198	5150-5250	PASS
20	120	5239.977546	5150-5250	PASS
10	120	5239.957924	5150-5250	PASS
0	120	5239.968182	5150-5250	PASS
-10	120	5239.954445	5150-5250	PASS
-20	120	5239.996303	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5239.996336	5150-5250	PASS
	120	5239.977546	5150-5250	PASS
	132	5239.976305	5150-5250	PASS



IEEE 802.11ac 20 mode / 5260 ~ 5320MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5259.981585	5250-5350	PASS
40	120	5259.979937	5250-5350	PASS
30	120	5259.977245	5250-5350	PASS
20	120	5259.987842	5250-5350	PASS
10	120	5259.960405	5250-5350	PASS
0	120	5259.988610	5250-5350	PASS
-10	120	5259.999850	5250-5350	PASS
-20	120	5259.981879	5250-5350	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5259.975350	5250-5350	PASS
	120	5259.987842	5250-5350	PASS
	132	5259.971268	5250-5350	PASS

IEEE 802.11ac 20 mode / 5260 ~ 5320MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5319.962118	5250-5350	PASS
40	120	5319.979778	5250-5350	PASS
30	120	5319.999625	5250-5350	PASS
20	120	5319.986547	5250-5350	PASS
10	120	5319.999821	5250-5350	PASS
0	120	5319.955770	5250-5350	PASS
-10	120	5319.971805	5250-5350	PASS
-20	120	5319.968497	5250-5350	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5319.997983	5250-5350	PASS
	120	5319.986547	5250-5350	PASS
	132	5319.954525	5250-5350	PASS



**IEEE 802.11ac 20 mode / 5500 ~ 5700MHz (Low)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5499.960409	5475-5725	PASS
40	120	5499.958471	5475-5725	PASS
30	120	5499.970161	5475-5725	PASS
20	120	5499.982447	5475-5725	PASS
10	120	5499.971939	5475-5725	PASS
0	120	5499.975897	5475-5725	PASS
-10	120	5499.999185	5475-5725	PASS
-20	120	5499.989247	5475-5725	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5499.949825	5475-5725	PASS
	120	5499.982447	5475-5725	PASS
	132	5499.967228	5475-5725	PASS

**IEEE 802.11ac 20 mode / 5500 ~ 5700MHz (High)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5699.970006	5475-5725	PASS
40	120	5699.964042	5475-5725	PASS
30	120	5699.970639	5475-5725	PASS
20	120	5699.977874	5475-5725	PASS
10	120	5699.999767	5475-5725	PASS
0	120	5699.962311	5475-5725	PASS
-10	120	5699.953827	5475-5725	PASS
-20	120	5699.987666	5475-5725	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5699.986670	5475-5725	PASS
	120	5699.977874	5475-5725	PASS
	132	5699.968263	5475-5725	PASS



**IEEE 802.11ac 20 mode / 5745 ~ 5825MHz (Low)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5744.979492	5725-5850	PASS
40	120	5744.977961	5725-5850	PASS
30	120	5744.962553	5725-5850	PASS
20	120	5744.994456	5725-5850	PASS
10	120	5744.951153	5725-5850	PASS
0	120	5744.956455	5725-5850	PASS
-10	120	5744.981900	5725-5850	PASS
-20	120	5744.976078	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5744.993712	5725-5850	PASS
	120	5744.994456	5725-5850	PASS
	132	5744.980586	5725-5850	PASS

**IEEE 802.11ac 20 mode / 5745 ~ 5825MHz (High)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5824.999677	5725-5850	PASS
40	120	5824.965661	5725-5850	PASS
30	120	5824.990936	5725-5850	PASS
20	120	5724.987543	5725-5850	PASS
10	120	5824.967653	5725-5850	PASS
0	120	5824.986545	5725-5850	PASS
-10	120	5824.977945	5725-5850	PASS
-20	120	5824.960272	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5824.987894	5725-5850	PASS
	120	5724.987543	5725-5850	PASS
	132	5824.982848	5725-5850	PASS



**IEEE 802.11ac 40 mode / 5190 ~ 5230MHz (Low)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5189.957378	5150-5250	PASS
40	120	5189.958060	5150-5250	PASS
30	120	5189.972970	5150-5250	PASS
20	120	5189.987231	5150-5250	PASS
10	120	5189.970599	5150-5250	PASS
0	120	5189.981126	5150-5250	PASS
-10	120	5189.976235	5150-5250	PASS
-20	120	5189.988639	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5189.991041	5150-5250	PASS
	120	5189.987231	5150-5250	PASS
	132	5189.951870	5150-5250	PASS

**IEEE 802.11ac 40 mode / 5190 ~ 5230MHz (High)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5229.999740	5150-5250	PASS
40	120	5229.993819	5150-5250	PASS
30	120	5229.993423	5150-5250	PASS
20	120	5230.000476	5150-5250	PASS
10	120	5229.970877	5150-5250	PASS
0	120	5229.960199	5150-5250	PASS
-10	120	5229.997020	5150-5250	PASS
-20	120	5229.989438	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5229.959974	5150-5250	PASS
	120	5230.000476	5150-5250	PASS
	132	5229.960015	5150-5250	PASS



IEEE 802.11ac 40 mode / 5270 ~ 5310MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5269.957749	5250-5350	PASS
40	120	5269.980211	5250-5350	PASS
30	120	5269.952521	5250-5350	PASS
20	120	5269.985464	5250-5350	PASS
10	120	5269.951021	5250-5350	PASS
0	120	5269.990815	5250-5350	PASS
-10	120	5269.949811	5250-5350	PASS
-20	120	5269.999926	5250-5350	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5269.949355	5250-5350	PASS
	120	5269.985464	5250-5350	PASS
	132	5269.968376	5250-5350	PASS

IEEE 802.11ac 40 mode / 5270 ~ 5310MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5309.982950	5250-5350	PASS
40	120	5309.994544	5250-5350	PASS
30	120	5309.952750	5250-5350	PASS
20	120	5310.000877	5250-5350	PASS
10	120	5309.976204	5250-5350	PASS
0	120	5309.967872	5250-5350	PASS
-10	120	5309.997080	5250-5350	PASS
-20	120	5309.970464	5250-5350	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5309.949350	5250-5350	PASS
	120	5310.000877	5250-5350	PASS
	132	5309.968862	5250-5350	PASS



IEEE 802.11ac 40 mode / 5510 ~ 5670MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5509.970876	5475-5725	PASS
40	120	5509.959997	5475-5725	PASS
30	120	5509.953426	5475-5725	PASS
20	120	5509.974547	5475-5725	PASS
10	120	5509.962967	5475-5725	PASS
0	120	5509.963420	5475-5725	PASS
-10	120	5509.951430	5475-5725	PASS
-20	120	5509.971717	5475-5725	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5509.969937	5475-5725	PASS
	120	5509.974547	5475-5725	PASS
	132	5509.975806	5475-5725	PASS

IEEE 802.11ac 40 mode / 5510 ~ 5670MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5669.954123	5475-5725	PASS
40	120	5669.953049	5475-5725	PASS
30	120	5669.998557	5475-5725	PASS
20	120	5670.000347	5475-5725	PASS
10	120	5669.950125	5475-5725	PASS
0	120	5669.963460	5475-5725	PASS
-10	120	5669.997028	5475-5725	PASS
-20	120	5669.983630	5475-5725	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5669.995552	5475-5725	PASS
	120	5670.000347	5475-5725	PASS
	132	5669.985251	5475-5725	PASS





**IEEE 802.11ac 40 mode / 5755 ~ 5795MHz (Low)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5754.960893	5725-5850	PASS
40	120	5754.980145	5725-5850	PASS
30	120	5754.982088	5725-5850	PASS
20	120	5754.998364	5725-5850	PASS
10	120	5754.970789	5725-5850	PASS
0	120	5754.974466	5725-5850	PASS
-10	120	5754.966847	5725-5850	PASS
-20	120	5754.949528	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5754.990789	5725-5850	PASS
	120	5754.998364	5725-5850	PASS
	132	5754.954608	5725-5850	PASS

**IEEE 802.11ac 40 mode / 5755 ~ 5795MHz (High)**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5794.976685	5725-5850	PASS
40	120	5794.967198	5725-5850	PASS
30	120	5794.949359	5725-5850	PASS
20	120	5794.987765	5725-5850	PASS
10	120	5794.993955	5725-5850	PASS
0	120	5794.976510	5725-5850	PASS
-10	120	5794.990264	5725-5850	PASS
-20	120	5794.996350	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5794.953731	5725-5850	PASS
	120	5794.987765	5725-5850	PASS
	132	5794.949340	5725-5850	PASS



**IEEE 802.11ac 80 mode / 5210MHz**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5209.959107	5150-5250	PASS
40	120	5209.958668	5150-5250	PASS
30	120	5209.968735	5150-5250	PASS
20	120	5210.000354	5150-5250	PASS
10	120	5209.966151	5150-5250	PASS
0	120	5209.974326	5150-5250	PASS
-10	120	5209.965671	5150-5250	PASS
-20	120	5209.968578	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5209.955867	5150-5250	PASS
	120	5210.000354	5150-5250	PASS
	132	5209.983259	5150-5250	PASS

**IEEE 802.11ac 80 mode / 5290MHz**

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5289.986552	5250-5350	PASS
40	120	5289.953824	5250-5350	PASS
30	120	5289.974762	5250-5350	PASS
20	120	5289.988745	5250-5350	PASS
10	120	5289.960171	5250-5350	PASS
0	120	5289.991091	5250-5350	PASS
-10	120	5289.975629	5250-5350	PASS
-20	120	5289.956715	5250-5350	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5289.972933	5250-5350	PASS
	120	5289.988745	5250-5350	PASS
	132	5289.961079	5250-5350	PASS



IEEE 802.11ac 80 mode / 5530MHz

Environment Temperature ( °C )	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5529.973003	5475-5725	PASS
40	120	5529.986686	5475-5725	PASS
30	120	5529.994831	5475-5725	PASS
20	120	5529.977851	5475-5725	PASS
10	120	5529.972789	5475-5725	PASS
0	120	5529.995220	5475-5725	PASS
-10	120	5529.982074	5475-5725	PASS
-20	120	5529.969310	5475-5725	PASS

Environment Temperature ( °C )	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5529.972529	5475-5725	PASS
	120	5529.977851	5475-5725	PASS
	132	5529.960253	5475-5725	PASS

IEEE 802.11ac 80 mode / 5775MHz

Environment Temperature ( °C )	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5774.992422	5725-5850	PASS
40	120	5774.976878	5725-5850	PASS
30	120	5774.954705	5725-5850	PASS
20	120	5774.987428	5725-5850	PASS
10	120	5774.953441	5725-5850	PASS
0	120	5774.980082	5725-5850	PASS
-10	120	5774.999412	5725-5850	PASS
-20	120	5774.951819	5725-5850	PASS

Environment Temperature ( °C )	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5774.997093	5725-5850	PASS
	120	5774.987428	5725-5850	PASS
	132	5774.963598	5725-5850	PASS