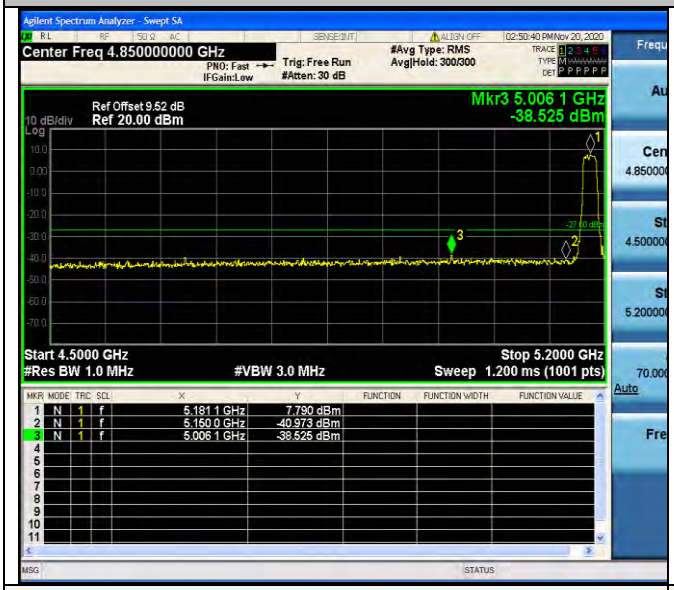
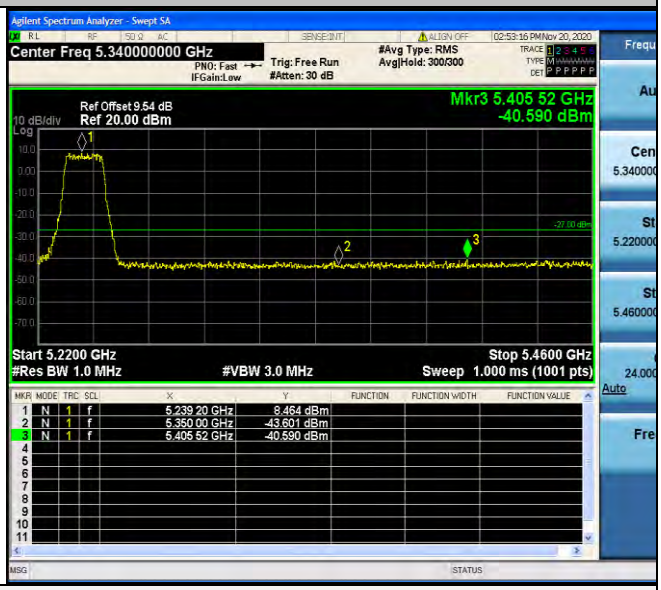
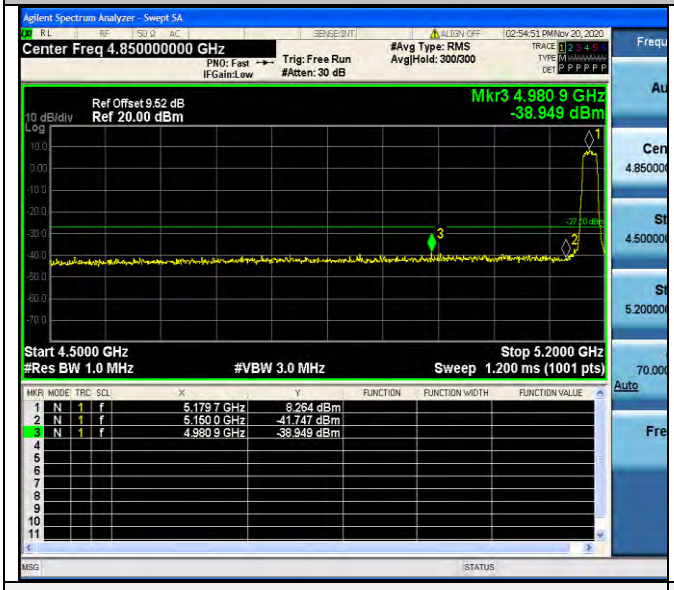
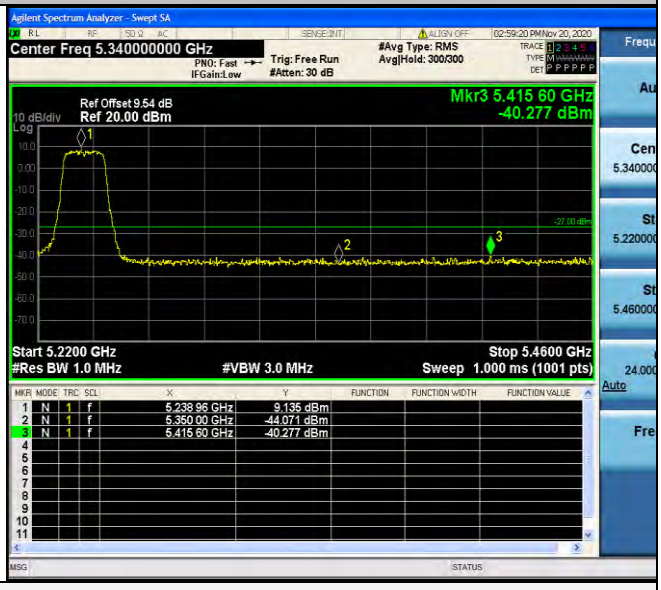
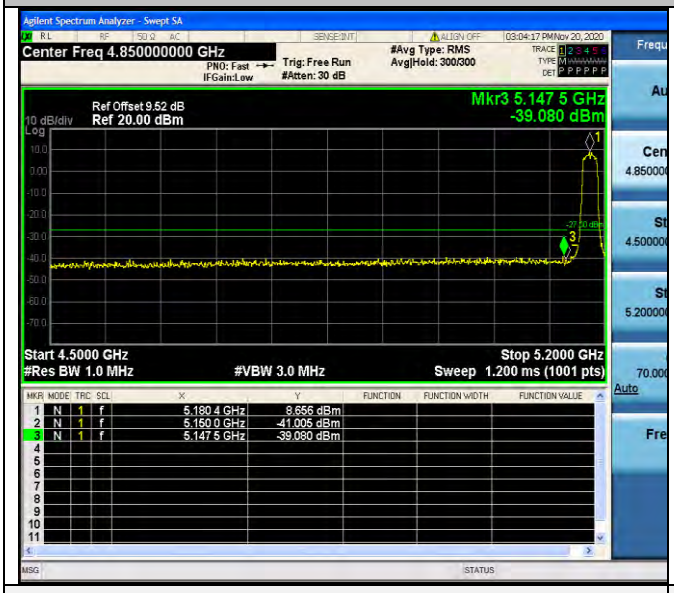
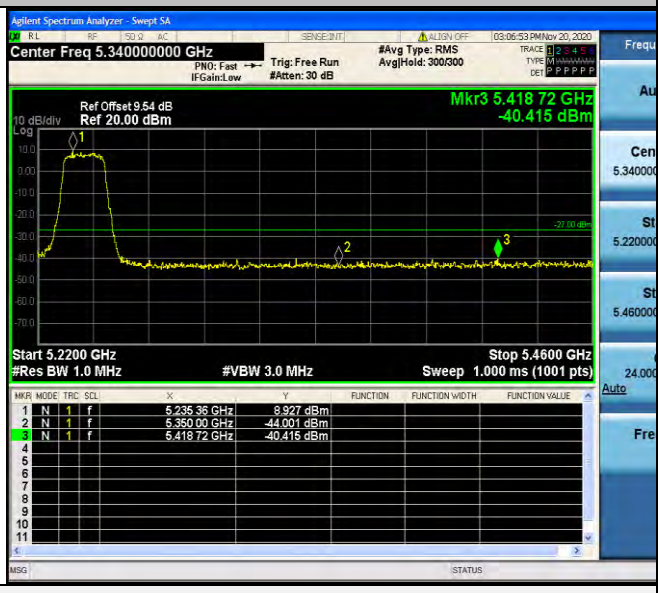
802.11ax40	
	
5755 MHz	5795 MHz

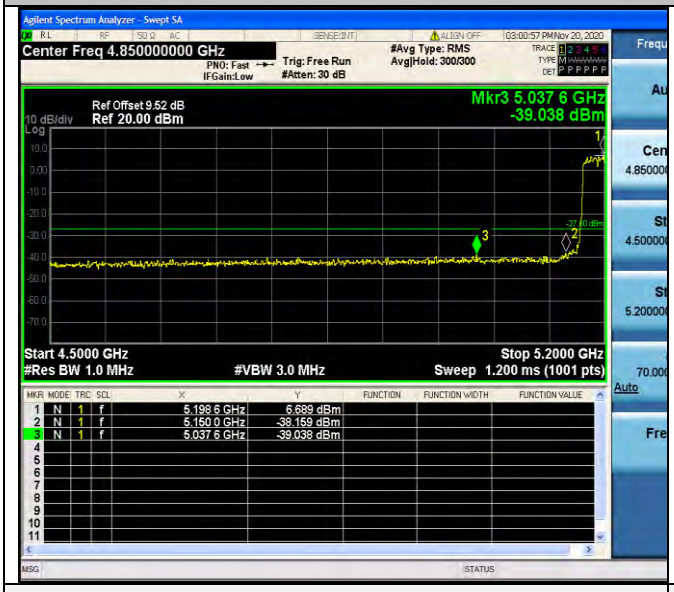
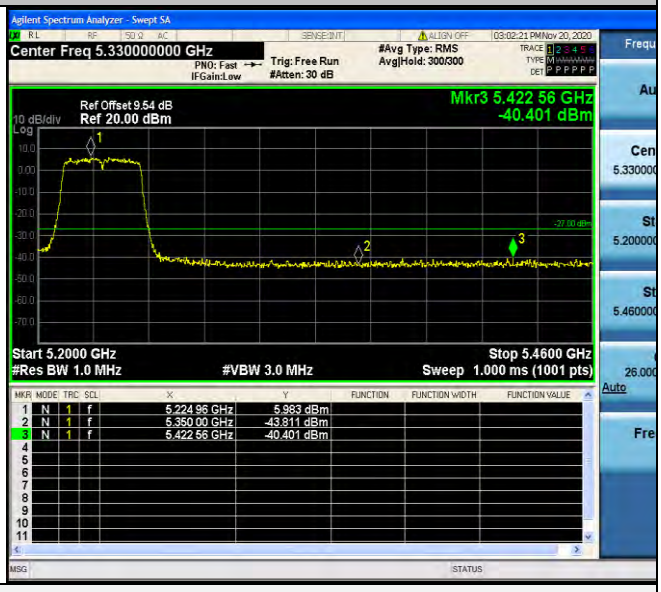
802.11ax80	
	
5775 MHz	5775 MHz

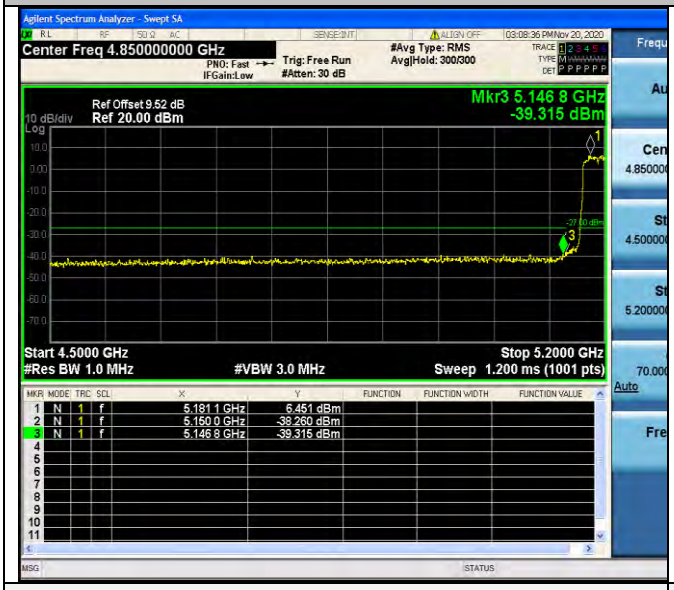
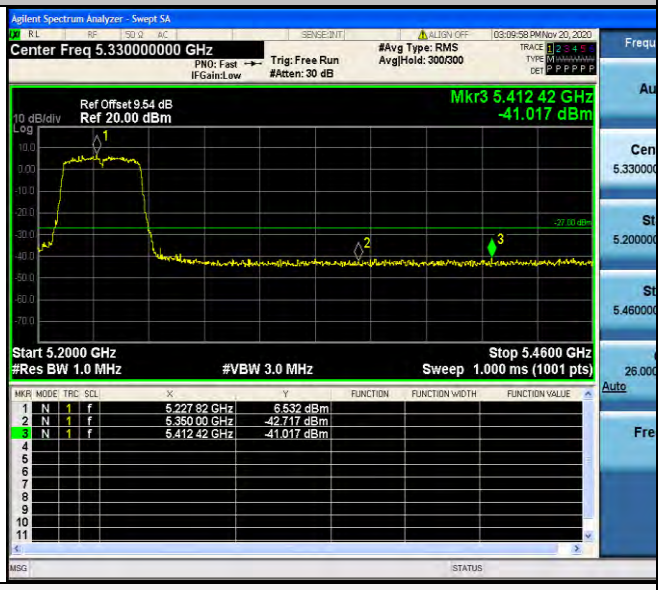
Antenna 8:
5150-5250MHz:

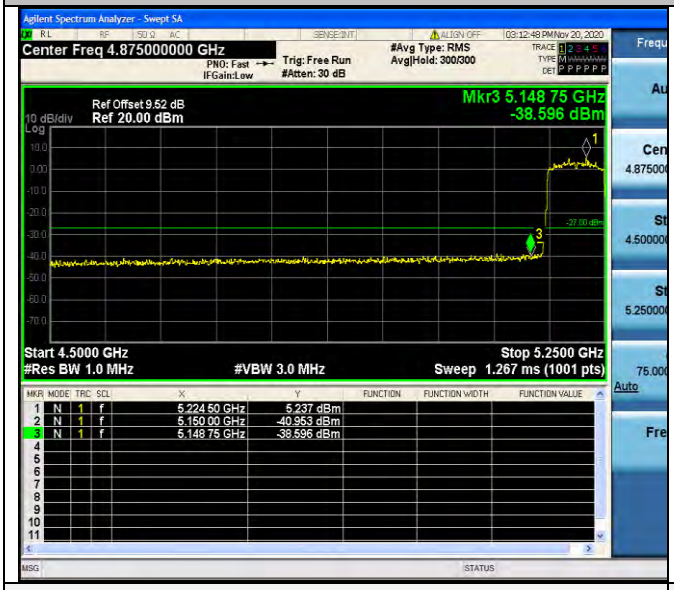
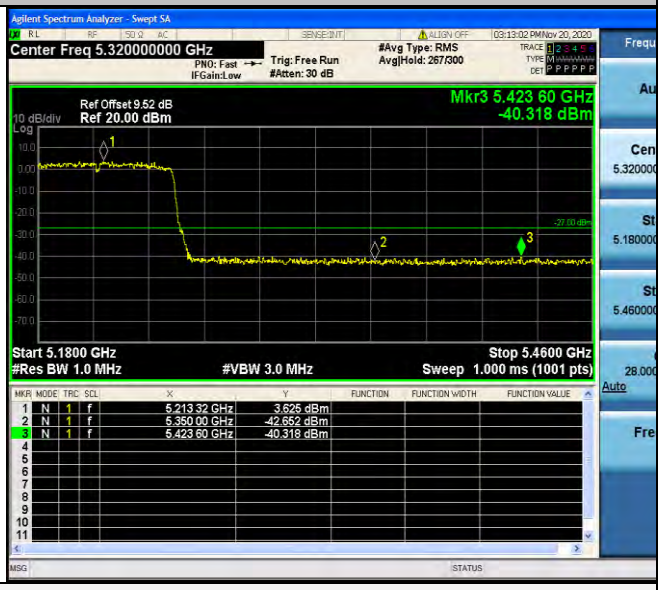
802.11a	
	
5180 MHz	5240 MHz

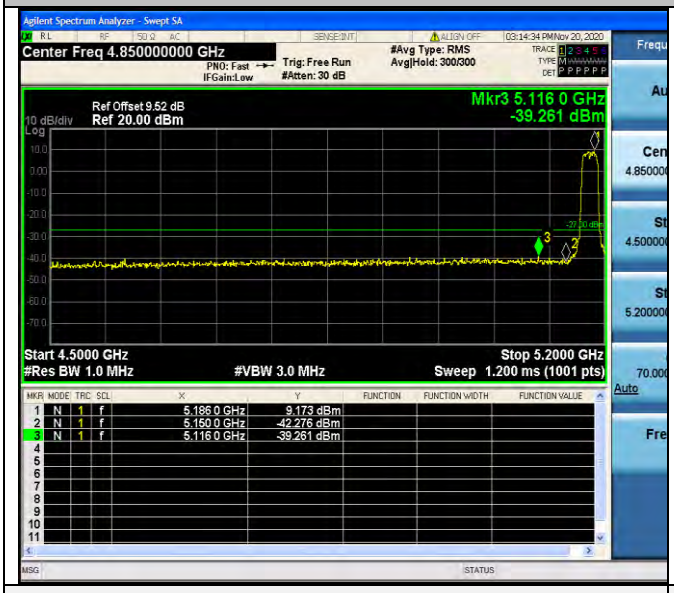
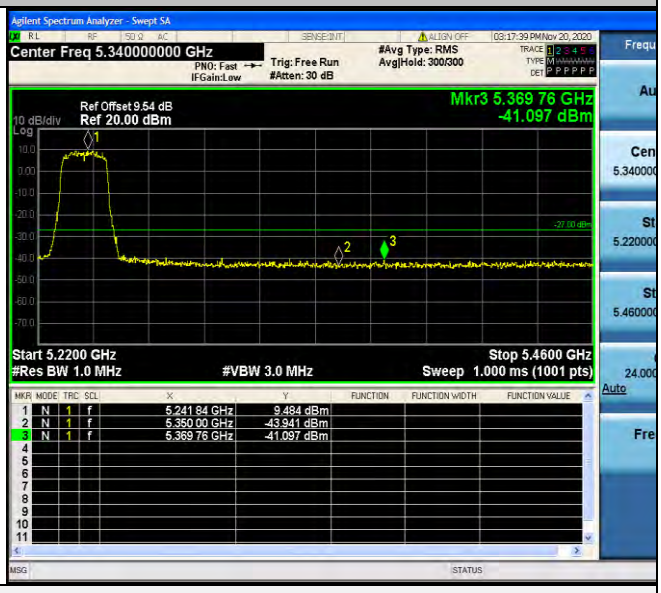
802.11n HT20	
	
5180 MHz	5240 MHz

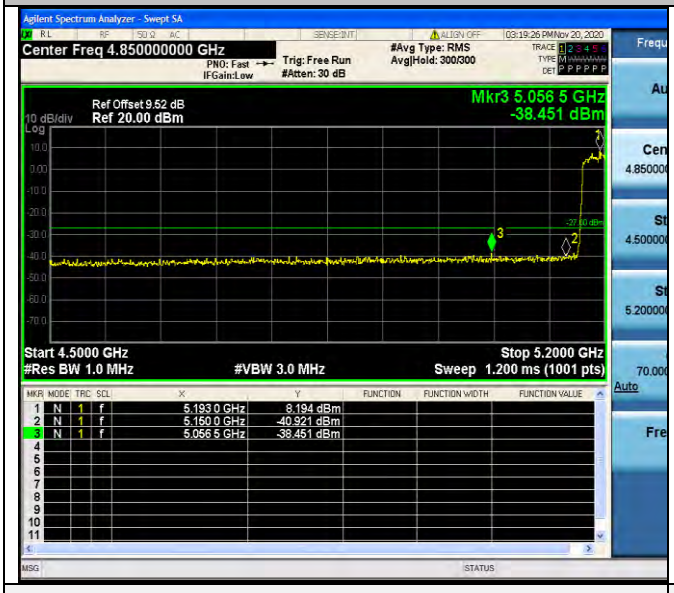
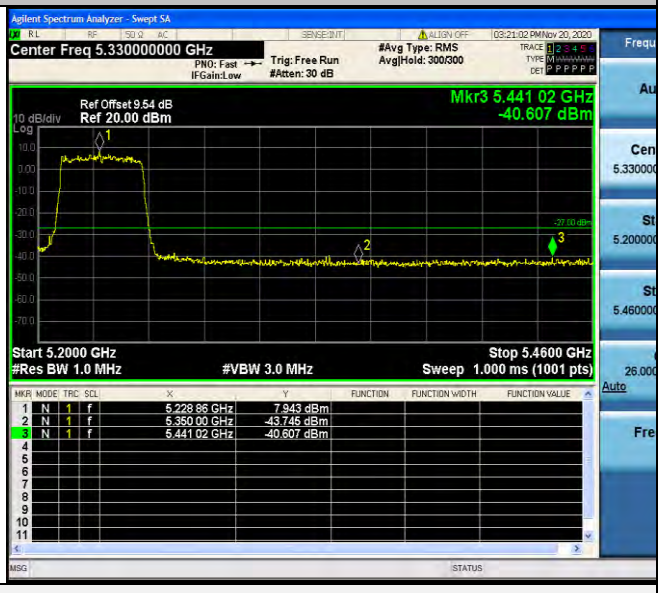
802.11ac20	
	
5180 MHz	5240 MHz

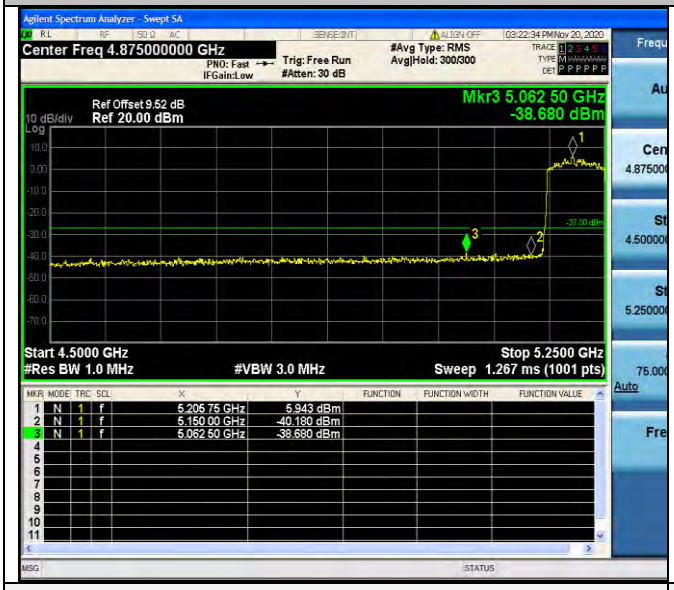
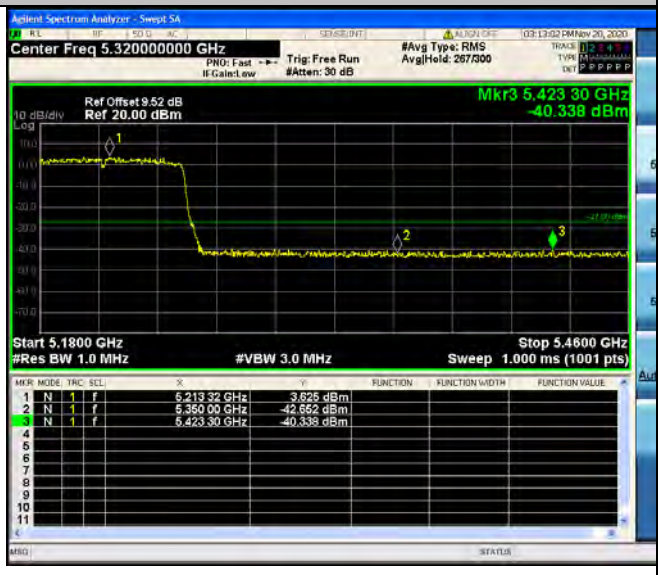
802.11n HT40	
	
5190 MHz	5230 MHz

802.11ac40	
	
5190 MHz	5230 MHz

802.11ac80	
	
5210 MHz	5210 MHz

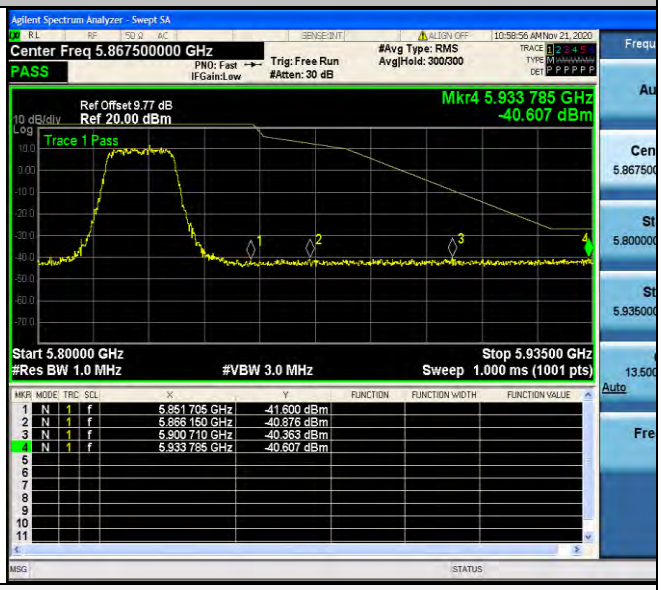
802.11ax20	
	
5180 MHz	5240 MHz

802.11ax40	
	
5190 MHz	5230 MHz

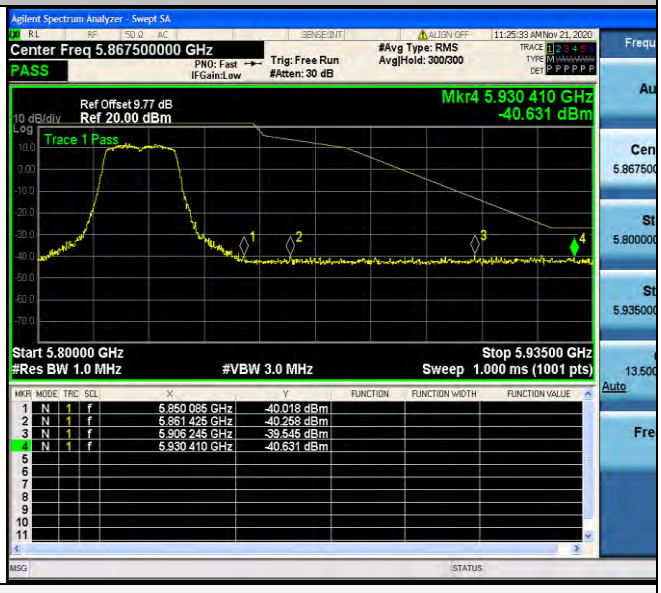
802.11ax80	
	
5210 MHz	5210 MHz

Antenna 4:

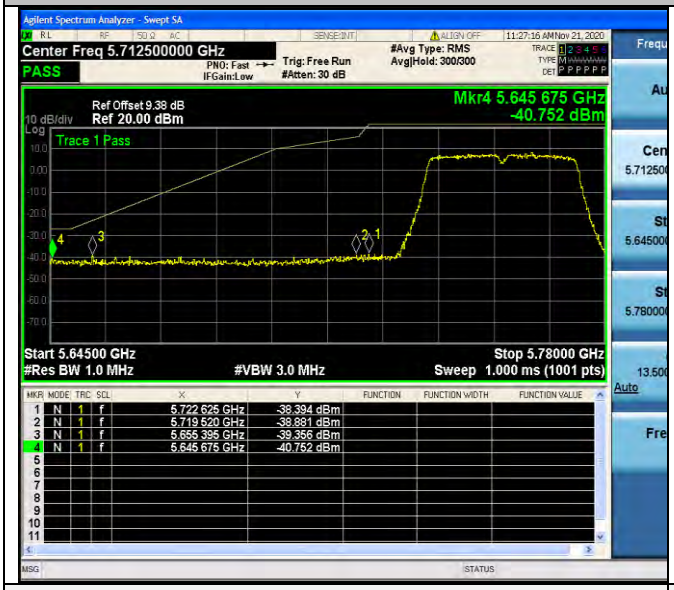
5725-5850MHz:

802.11a	
	
5745 MHz	5825 MHz

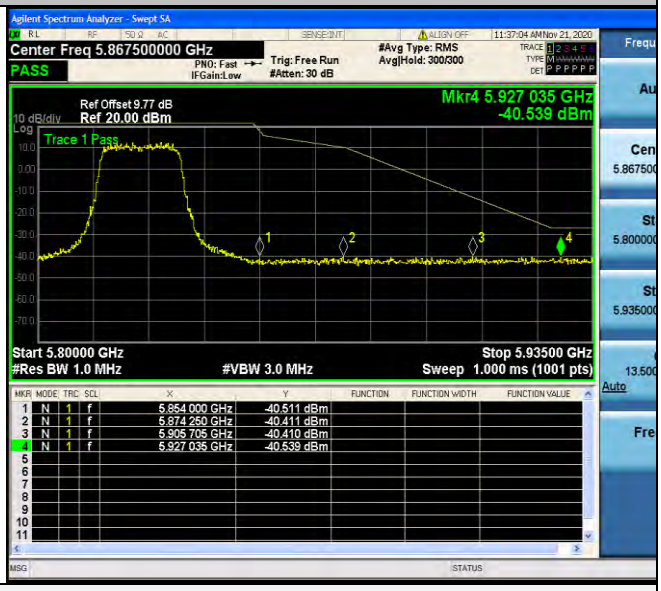
802.11n HT20	
	
5745 MHz	5825 MHz

802.11ac20	
	
5745 MHz	5825 MHz

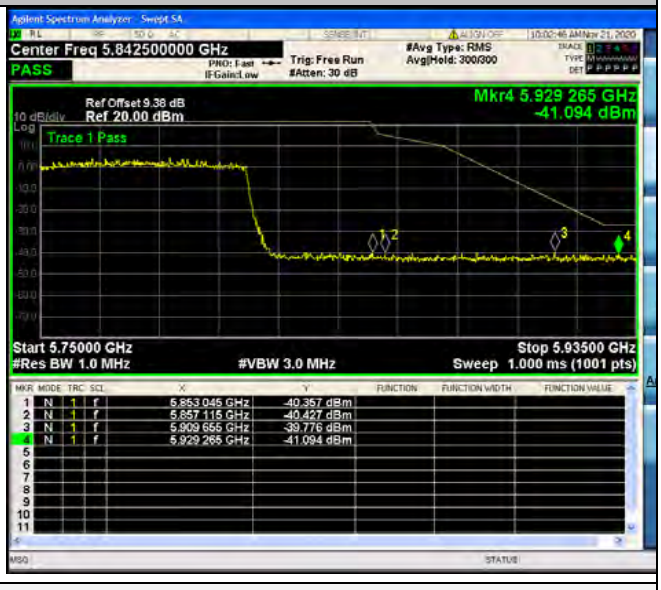
802.11n HT40	
	
5755 MHz	5795 MHz

802.11ac40	
	
5755 MHz	5795 MHz

802.11ac80	
	
5775 MHz	5775 MHz

802.11ax20	
	
5745 MHz	5825 MHz

802.11ax40	
	
5755 MHz	5795 MHz

802.11ax80	
	
5775 MHz	5775 MHz

4.9. Frequency Stability

Standard Applicable

According to FCC §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 user manual.”

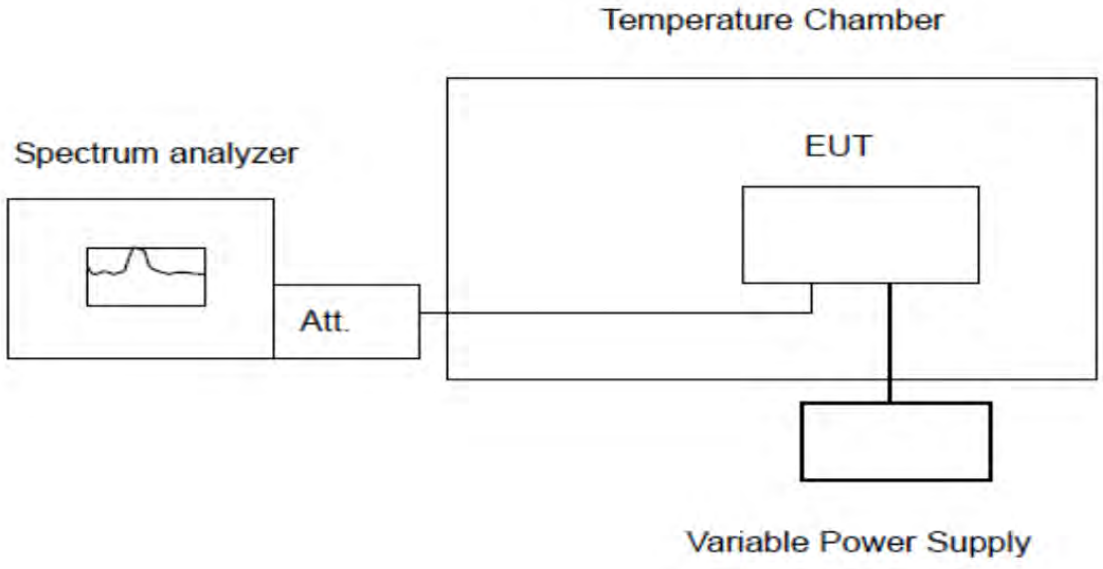
According to FCC §2.1055(a) “The frequency stability shall be measured with variation of ambient temperature as follows:”

(1) From -30° to + 50° centigrade for all equipment except that specified in paragraphs (a) (2) and (3) of this section.

(2) From -20° to + 50° centigrade for equipment to be licensed for use in the Maritime Services under part 80 of this chapter, except for Class A, B, and S Emergency Position Indicating Radiobeacons (EPIRBS), and equipment to be licensed for use above 952 MHz at operational fixed stations in all services, stations in the Local Television Transmission Service and Point-to-Point Microwave Radio Service under part 21 of this chapter, equipment licensed for use aboard aircraft in the Aviation Services under part 87 of this chapter, and equipment authorized for use in the Family Radio Service under part 95 of this chapter.

(3) From 0° to + 50° centigrade for equipment to be licensed for use in the Radio Broadcast Services under part 73 of this chapter.

Test Configuration



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 anzlyer via feed through attenators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low engouh to obtain the desired frequency resoluation and measure EUT 20 degree operating frequency as reference frequency. Turn EUT off and set the chamber temperature to -30 degree. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure wuth 10 degree increased per stage until the highest temperature of +50 degree reached.

Test Results

PASS

Remark:
1. Measured all conditions and recorded worst case.
IEEE 802.11a Mode / 5180 – 5240 MHz / 5180 MHz

Enviroment Temperature (Dregree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 30.8V	5180.007948	5150 – 5250	PASS
20	DC 25.2V	5180.003661	5150 – 5250	PASS
50	DC 28.0V	5180.027567	5150 – 5250	PASS
40	DC 28.0V	5179.966990	5150 – 5250	PASS
30	DC 28.0V	5179.982674	5150 – 5250	PASS
20	DC 28.0V	5180.011382	5150 – 5250	PASS
10	DC 28.0V	5180.002228	5150 – 5250	PASS
0	DC 28.0V	5179.981017	5150 – 5250	PASS
-10	DC 28.0V	5179.976795	5150 – 5250	PASS
-20	DC 28.0V	5179.982764	5150 – 5250	PASS
-30	DC 28.0V	5180.023912	5150 – 5250	PASS

IEEE 802.11a Mode / 5180 – 5240 MHz / 5240 MHz

Enviroment Temperature (Dregree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 30.8V	5239.983715	5150 – 5250	PASS
20	DC 25.2V	5240.004454	5150 – 5250	PASS
50	DC 28.0V	5240.002297	5150 – 5250	PASS
40	DC 28.0V	5239.997108	5150 – 5250	PASS
30	DC 28.0V	5239.981577	5150 – 5250	PASS
20	DC 28.0V	5240.011605	5150 – 5250	PASS
10	DC 28.0V	5239.979110	5150 – 5250	PASS
0	DC 28.0V	5239.985536	5150 – 5250	PASS
-10	DC 28.0V	5239.965803	5150 – 5250	PASS
-20	DC 28.0V	5239.974421	5150 – 5250	PASS
-30	DC 28.0V	5240.008367	5150 – 5250	PASS

IEEE 802.11n20 Mode / 5180 – 5240 MHz / 5180 MHz

Enviroment Temperature (Dregree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 30.8V	5180.002355	5150 – 5250	PASS
20	DC 25.2V	5180.021926	5150 – 5250	PASS
50	DC 28.0V	5179.973850	5150 – 5250	PASS
40	DC 28.0V	5180.035815	5150 – 5250	PASS
30	DC 28.0V	5180.023205	5150 – 5250	PASS
20	DC 28.0V	5179.997012	5150 – 5250	PASS
10	DC 28.0V	5179.998005	5150 – 5250	PASS
0	DC 28.0V	5180.016297	5150 – 5250	PASS
-10	DC 28.0V	5179.985135	5150 – 5250	PASS
-20	DC 28.0V	5180.003812	5150 – 5250	PASS
-30	DC 28.0V	5180.010240	5150 – 5250	PASS

IEEE 802.11n20 Mode / 5180 – 5240 MHz / 5240 MHz

Enviroment Temperature (Dregree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 30.8V	5239.987936	5150 – 5250	PASS
20	DC 25.2V	5239.976002	5150 – 5250	PASS
50	DC 28.0V	5240.031794	5150 – 5250	PASS
40	DC 28.0V	5239.981486	5150 – 5250	PASS
30	DC 28.0V	5240.009443	5150 – 5250	PASS
20	DC 28.0V	5240.016507	5150 – 5250	PASS
10	DC 28.0V	5240.025831	5150 – 5250	PASS
0	DC 28.0V	5239.991179	5150 – 5250	PASS
-10	DC 28.0V	5240.005344	5150 – 5250	PASS
-20	DC 28.0V	5239.998272	5150 – 5250	PASS
-30	DC 28.0V	5239.967659	5150 – 5250	PASS

IEEE 802.11n40 Mode / 5190 – 5230 MHz / 5190 MHz

Enviroment Temperature (Dregree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 30.8V	5190.004924	5150 – 5250	PASS
20	DC 25.2V	5189.955260	5150 – 5250	PASS
50	DC 28.0V	5190.023978	5150 – 5250	PASS
40	DC 28.0V	5189.985443	5150 – 5250	PASS
30	DC 28.0V	5189.993688	5150 – 5250	PASS
20	DC 28.0V	5189.969059	5150 – 5250	PASS
10	DC 28.0V	5189.999444	5150 – 5250	PASS
0	DC 28.0V	5189.988871	5150 – 5250	PASS
-10	DC 28.0V	5189.983092	5150 – 5250	PASS
-20	DC 28.0V	5190.027055	5150 – 5250	PASS
-30	DC 28.0V	5190.003350	5150 – 5250	PASS

IEEE 802.11n40 Mode / 5190 – 5230 MHz / 5230 MHz

Enviroment Temperature (Dregree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 30.8V	5229.998950	5150 – 5250	PASS
20	DC 25.2V	5230.000907	5150 – 5250	PASS
50	DC 28.0V	5230.009112	5150 – 5250	PASS
40	DC 28.0V	5229.969598	5150 – 5250	PASS
30	DC 28.0V	5230.006288	5150 – 5250	PASS
20	DC 28.0V	5230.027415	5150 – 5250	PASS
10	DC 28.0V	5229.965252	5150 – 5250	PASS
0	DC 28.0V	5230.008272	5150 – 5250	PASS
-10	DC 28.0V	5230.022331	5150 – 5250	PASS
-20	DC 28.0V	5229.983640	5150 – 5250	PASS
-30	DC 28.0V	5229.972143	5150 – 5250	PASS

IEEE 802.11ac20 Mode / 5180 – 5240 MHz / 5180 MHz

Enviroment Temperature (Dregree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 30.8V	5180.027053	5150 – 5250	PASS
20	DC 25.2V	5180.030546	5150 – 5250	PASS
50	DC 28.0V	5180.010711	5150 – 5250	PASS
40	DC 28.0V	5180.030376	5150 – 5250	PASS
30	DC 28.0V	5179.996666	5150 – 5250	PASS
20	DC 28.0V	5179.963578	5150 – 5250	PASS
10	DC 28.0V	5179.992514	5150 – 5250	PASS
0	DC 28.0V	5179.977555	5150 – 5250	PASS
-10	DC 28.0V	5179.991430	5150 – 5250	PASS
-20	DC 28.0V	5180.023208	5150 – 5250	PASS
-30	DC 28.0V	5179.994471	5150 – 5250	PASS

IEEE 802.11ac20 Mode / 5180 – 5240 MHz / 5240 MHz

Enviroment Temperature (Dregree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 30.8V	5239.961931	5150 – 5250	PASS
20	DC 25.2V	5240.011455	5150 – 5250	PASS
50	DC 28.0V	5239.961716	5150 – 5250	PASS
40	DC 28.0V	5239.985714	5150 – 5250	PASS
30	DC 28.0V	5239.980926	5150 – 5250	PASS
20	DC 28.0V	5240.022920	5150 – 5250	PASS
10	DC 28.0V	5239.993853	5150 – 5250	PASS
0	DC 28.0V	5240.004982	5150 – 5250	PASS
-10	DC 28.0V	5240.014327	5150 – 5250	PASS
-20	DC 28.0V	5240.009064	5150 – 5250	PASS
-30	DC 28.0V	5239.976613	5150 – 5250	PASS

IEEE 802.11ac40 Mode / 5190 – 5230 MHz / 5190 MHz

Enviroment Temperature (Dregree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 30.8V	5190.006268	5150 – 5250	PASS
20	DC 25.2V	5189.990782	5150 – 5250	PASS
50	DC 28.0V	5189.962823	5150 – 5250	PASS
40	DC 28.0V	5190.003649	5150 – 5250	PASS
30	DC 28.0V	5190.008045	5150 – 5250	PASS
20	DC 28.0V	5190.013383	5150 – 5250	PASS
10	DC 28.0V	5190.012171	5150 – 5250	PASS
0	DC 28.0V	5190.028593	5150 – 5250	PASS
-10	DC 28.0V	5189.979104	5150 – 5250	PASS
-20	DC 28.0V	5190.009561	5150 – 5250	PASS
-30	DC 28.0V	5190.002158	5150 – 5250	PASS

IEEE 802.11ac40 Mode / 5190 – 5230 MHz / 5230 MHz

Enviroment Temperature (Dregree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 30.8V	5229.997456	5150 – 5250	PASS
20	DC 25.2V	5230.000185	5150 – 5250	PASS
50	DC 28.0V	5229.973567	5150 – 5250	PASS
40	DC 28.0V	5230.001921	5150 – 5250	PASS
30	DC 28.0V	5229.990071	5150 – 5250	PASS
20	DC 28.0V	5229.993078	5150 – 5250	PASS
10	DC 28.0V	5229.993279	5150 – 5250	PASS
0	DC 28.0V	5230.006697	5150 – 5250	PASS
-10	DC 28.0V	5229.957318	5150 – 5250	PASS
-20	DC 28.0V	5229.959331	5150 – 5250	PASS
-30	DC 28.0V	5229.978430	5150 – 5250	PASS

IEEE 802.11ac80 Mode / 5210 MHz / 5210 MHz

Enviroment Temperature (Dregree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 30.8V	5209.989130	5150 – 5250	PASS
20	DC 25.2V	5210.000212	5150 – 5250	PASS
50	DC 28.0V	5210.014608	5150 – 5250	PASS
40	DC 28.0V	5210.021282	5150 – 5250	PASS
30	DC 28.0V	5210.026536	5150 – 5250	PASS
20	DC 28.0V	5210.002292	5150 – 5250	PASS
10	DC 28.0V	5209.984519	5150 – 5250	PASS
0	DC 28.0V	5209.974478	5150 – 5250	PASS
-10	DC 28.0V	5209.973941	5150 – 5250	PASS
-20	DC 28.0V	5209.964156	5150 – 5250	PASS
-30	DC 28.0V	5209.988774	5150 – 5250	PASS

IEEE 802.11ax20 Mode / 5180 – 5240 MHz / 5180 MHz

Enviroment Temperature (Dregree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 30.8V	5179.990295	5150 – 5250	PASS
20	DC 25.2V	5180.009208	5150 – 5250	PASS
50	DC 28.0V	5179.997066	5150 – 5250	PASS
40	DC 28.0V	5180.014566	5150 – 5250	PASS
30	DC 28.0V	5179.994029	5150 – 5250	PASS
20	DC 28.0V	5179.969600	5150 – 5250	PASS
10	DC 28.0V	5179.994901	5150 – 5250	PASS
0	DC 28.0V	5180.028683	5150 – 5250	PASS
-10	DC 28.0V	5180.001380	5150 – 5250	PASS
-20	DC 28.0V	5179.980845	5150 – 5250	PASS
-30	DC 28.0V	5180.037161	5150 – 5250	PASS

IEEE 802.11ax20 Mode / 5180 – 5240 MHz / 5240 MHz

Enviroment Temperature (Dregree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 30.8V	5239.986332	5150 – 5250	PASS
20	DC 25.2V	5239.979499	5150 – 5250	PASS
50	DC 28.0V	5239.996129	5150 – 5250	PASS
40	DC 28.0V	5240.035881	5150 – 5250	PASS
30	DC 28.0V	5240.000117	5150 – 5250	PASS
20	DC 28.0V	5239.967791	5150 – 5250	PASS
10	DC 28.0V	5239.967074	5150 – 5250	PASS
0	DC 28.0V	5239.990092	5150 – 5250	PASS
-10	DC 28.0V	5240.011003	5150 – 5250	PASS
-20	DC 28.0V	5239.963610	5150 – 5250	PASS
-30	DC 28.0V	5239.999475	5150 – 5250	PASS

IEEE 802.11ax40 Mode / 5190 – 5230 MHz / 5190 MHz

Enviroment Temperature (Dregree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 30.8V	5190.002390	5150 – 5250	PASS
20	DC 25.2V	5189.988519	5150 – 5250	PASS
50	DC 28.0V	5190.013532	5150 – 5250	PASS
40	DC 28.0V	5190.002701	5150 – 5250	PASS
30	DC 28.0V	5189.963244	5150 – 5250	PASS
20	DC 28.0V	5189.975366	5150 – 5250	PASS
10	DC 28.0V	5190.006696	5150 – 5250	PASS
0	DC 28.0V	5190.000144	5150 – 5250	PASS
-10	DC 28.0V	5190.009775	5150 – 5250	PASS
-20	DC 28.0V	5189.973135	5150 – 5250	PASS
-30	DC 28.0V	5190.021130	5150 – 5250	PASS

IEEE 802.11ax40 Mode / 5190 – 5230 MHz / 5230 MHz

Enviroment Temperature (Dregree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 30.8V	5230.005284	5150 – 5250	PASS
20	DC 25.2V	5230.008759	5150 – 5250	PASS
50	DC 28.0V	5230.022478	5150 – 5250	PASS
40	DC 28.0V	5230.003229	5150 – 5250	PASS
30	DC 28.0V	5230.001446	5150 – 5250	PASS
20	DC 28.0V	5230.009759	5150 – 5250	PASS
10	DC 28.0V	5230.018767	5150 – 5250	PASS
0	DC 28.0V	5230.012762	5150 – 5250	PASS
-10	DC 28.0V	5230.032260	5150 – 5250	PASS
-20	DC 28.0V	5229.989432	5150 – 5250	PASS
-30	DC 28.0V	5230.021899	5150 – 5250	PASS

IEEE 802.11ax80 Mode / 5210 MHz / 5210 MHz

Enviroment Temperature (Dregree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 30.8V	5210.021756	5150 – 5250	PASS
20	DC 25.2V	5209.977866	5150 – 5250	PASS
50	DC 28.0V	5209.970175	5150 – 5250	PASS
40	DC 28.0V	5209.967150	5150 – 5250	PASS
30	DC 28.0V	5209.985452	5150 – 5250	PASS
20	DC 28.0V	5209.999030	5150 – 5250	PASS
10	DC 28.0V	5210.019727	5150 – 5250	PASS
0	DC 28.0V	5210.013982	5150 – 5250	PASS
-10	DC 28.0V	5209.964900	5150 – 5250	PASS
-20	DC 28.0V	5209.979566	5150 – 5250	PASS
-30	DC 28.0V	5209.998416	5150 – 5250	PASS

NOTE: We measured Radiated Emission at Antenna 5 & Antenna 6& Antenna 7& Antenna 8 mode from 1GHz to 25GHz and the worst case was recorded.

IEEE 802.11a Mode / 5745 – 5825 MHz / 5745 MHz

Enviroment Temperature (Dregree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 30.8V	5744.996820	5725 – 5850	PASS
20	DC 25.2V	5744.979055	5725 – 5850	PASS
50	DC 28.0V	5745.021399	5725 – 5850	PASS
40	DC 28.0V	5744.987280	5725 – 5850	PASS
30	DC 28.0V	5745.009899	5725 – 5850	PASS
20	DC 28.0V	5745.014428	5725 – 5850	PASS
10	DC 28.0V	5744.995770	5725 – 5850	PASS
0	DC 28.0V	5745.022089	5725 – 5850	PASS
-10	DC 28.0V	5745.007714	5725 – 5850	PASS
-20	DC 28.0V	5745.005722	5725 – 5850	PASS
-30	DC 28.0V	5744.993240	5725 – 5850	PASS

IEEE 802.11a Mode / 5745 – 5825 MHz / 5825 MHz

Enviroment Temperature (Dregree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 30.8V	5824.991407	5725 – 5850	PASS
20	DC 25.2V	5824.967326	5725 – 5850	PASS
50	DC 28.0V	5824.988527	5725 – 5850	PASS
40	DC 28.0V	5825.002406	5725 – 5850	PASS
30	DC 28.0V	5825.024070	5725 – 5850	PASS
20	DC 28.0V	5825.010091	5725 – 5850	PASS
10	DC 28.0V	5825.002150	5725 – 5850	PASS
0	DC 28.0V	5824.971174	5725 – 5850	PASS
-10	DC 28.0V	5825.027950	5725 – 5850	PASS
-20	DC 28.0V	5825.029725	5725 – 5850	PASS
-30	DC 28.0V	5824.981379	5725 – 5850	PASS

IEEE 802.11n20 Mode / 5745 – 5825 MHz / 5745 MHz

Enviroment Temperature (Dregree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 30.8V	5745.015898	5725 – 5850	PASS
20	DC 25.2V	5744.992406	5725 – 5850	PASS
50	DC 28.0V	5744.987472	5725 – 5850	PASS
40	DC 28.0V	5744.997114	5725 – 5850	PASS
30	DC 28.0V	5745.020082	5725 – 5850	PASS
20	DC 28.0V	5744.976363	5725 – 5850	PASS
10	DC 28.0V	5745.020284	5725 – 5850	PASS
0	DC 28.0V	5744.983073	5725 – 5850	PASS
-10	DC 28.0V	5744.992062	5725 – 5850	PASS
-20	DC 28.0V	5745.000085	5725 – 5850	PASS
-30	DC 28.0V	5744.967745	5725 – 5850	PASS

IEEE 802.11n20 Mode / 5745 – 5825 MHz / 5825 MHz

Enviroment Temperature (Dregree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 30.8V	5824.984429	5725 – 5850	PASS
20	DC 25.2V	5825.034529	5725 – 5850	PASS
50	DC 28.0V	5824.995061	5725 – 5850	PASS
40	DC 28.0V	5824.960289	5725 – 5850	PASS
30	DC 28.0V	5824.993749	5725 – 5850	PASS
20	DC 28.0V	5825.002171	5725 – 5850	PASS
10	DC 28.0V	5824.990758	5725 – 5850	PASS
0	DC 28.0V	5825.012605	5725 – 5850	PASS
-10	DC 28.0V	5825.026674	5725 – 5850	PASS
-20	DC 28.0V	5824.999121	5725 – 5850	PASS
-30	DC 28.0V	5825.010064	5725 – 5850	PASS

IEEE 802.11n40 Mode / 5755 – 5795 MHz / 5755 MHz

Enviroment Temperature (Dregree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 30.8V	5754.971835	5725 – 5850	PASS
20	DC 25.2V	5755.008364	5725 – 5850	PASS
50	DC 28.0V	5754.956678	5725 – 5850	PASS
40	DC 28.0V	5755.022515	5725 – 5850	PASS
30	DC 28.0V	5755.012262	5725 – 5850	PASS
20	DC 28.0V	5754.967470	5725 – 5850	PASS
10	DC 28.0V	5755.012852	5725 – 5850	PASS
0	DC 28.0V	5754.978686	5725 – 5850	PASS
-10	DC 28.0V	5755.013973	5725 – 5850	PASS
-20	DC 28.0V	5755.033440	5725 – 5850	PASS
-30	DC 28.0V	5754.990632	5725 – 5850	PASS

IEEE 802.11n40 Mode / 5755 – 5795 MHz / 5795 MHz

Enviroment Temperature (Dregree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 30.8V	5795.003858	5725 – 5850	PASS
20	DC 25.2V	5794.976909	5725 – 5850	PASS
50	DC 28.0V	5794.958787	5725 – 5850	PASS
40	DC 28.0V	5795.012763	5725 – 5850	PASS
30	DC 28.0V	5794.999087	5725 – 5850	PASS
20	DC 28.0V	5794.984356	5725 – 5850	PASS
10	DC 28.0V	5794.959303	5725 – 5850	PASS
0	DC 28.0V	5794.958636	5725 – 5850	PASS
-10	DC 28.0V	5795.016829	5725 – 5850	PASS
-20	DC 28.0V	5795.030723	5725 – 5850	PASS
-30	DC 28.0V	5795.038715	5725 – 5850	PASS

IEEE 802.11ac20 Mode / 5745 – 5825 MHz / 5745 MHz

Enviroment Temperature (Dregree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 30.8V	5745.007699	5725 – 5850	PASS
20	DC 25.2V	5745.019589	5725 – 5850	PASS
50	DC 28.0V	5745.001188	5725 – 5850	PASS
40	DC 28.0V	5744.977737	5725 – 5850	PASS
30	DC 28.0V	5745.018304	5725 – 5850	PASS
20	DC 28.0V	5744.995962	5725 – 5850	PASS
10	DC 28.0V	5745.000516	5725 – 5850	PASS
0	DC 28.0V	5745.005853	5725 – 5850	PASS
-10	DC 28.0V	5745.010275	5725 – 5850	PASS
-20	DC 28.0V	5745.023755	5725 – 5850	PASS
-30	DC 28.0V	5744.958248	5725 – 5850	PASS

IEEE 802.11ac20 Mode / 5745 – 5825 MHz / 5825 MHz

Enviroment Temperature (Dregree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 30.8V	5824.972405	5725 – 5850	PASS
20	DC 25.2V	5825.010799	5725 – 5850	PASS
50	DC 28.0V	5824.998836	5725 – 5850	PASS
40	DC 28.0V	5824.976331	5725 – 5850	PASS
30	DC 28.0V	5825.003753	5725 – 5850	PASS
20	DC 28.0V	5824.976097	5725 – 5850	PASS
10	DC 28.0V	5825.000344	5725 – 5850	PASS
0	DC 28.0V	5825.029057	5725 – 5850	PASS
-10	DC 28.0V	5825.006093	5725 – 5850	PASS
-20	DC 28.0V	5824.992381	5725 – 5850	PASS
-30	DC 28.0V	5824.988824	5725 – 5850	PASS

IEEE 802.11ac40 Mode / 5755 – 5795 MHz / 5755 MHz

Enviroment Temperature (Dregree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 30.8V	5755.011152	5725 – 5850	PASS
20	DC 25.2V	5754.994494	5725 – 5850	PASS
50	DC 28.0V	5755.011155	5725 – 5850	PASS
40	DC 28.0V	5754.976149	5725 – 5850	PASS
30	DC 28.0V	5755.005870	5725 – 5850	PASS
20	DC 28.0V	5755.005112	5725 – 5850	PASS
10	DC 28.0V	5754.985888	5725 – 5850	PASS
0	DC 28.0V	5754.984042	5725 – 5850	PASS
-10	DC 28.0V	5755.000249	5725 – 5850	PASS
-20	DC 28.0V	5754.985814	5725 – 5850	PASS
-30	DC 28.0V	5755.021521	5725 – 5850	PASS

IEEE 802.11ac40 Mode / 5755 – 5795 MHz / 5795 MHz

Enviroment Temperature (Dregree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 30.8V	5795.028933	5725 – 5850	PASS
20	DC 25.2V	5795.036942	5725 – 5850	PASS
50	DC 28.0V	5794.982274	5725 – 5850	PASS
40	DC 28.0V	5795.001991	5725 – 5850	PASS
30	DC 28.0V	5794.997473	5725 – 5850	PASS
20	DC 28.0V	5795.030393	5725 – 5850	PASS
10	DC 28.0V	5795.001910	5725 – 5850	PASS
0	DC 28.0V	5794.984632	5725 – 5850	PASS
-10	DC 28.0V	5795.005982	5725 – 5850	PASS
-20	DC 28.0V	5795.010968	5725 – 5850	PASS
-30	DC 28.0V	5794.984049	5725 – 5850	PASS

IEEE 802.11ac80 Mode / 5775MHz / 5775 MHz

Enviroment Temperature (Dregree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 30.8V	5775.021974	5725 – 5850	PASS
20	DC 25.2V	5775.018731	5725 – 5850	PASS
50	DC 28.0V	5774.976131	5725 – 5850	PASS
40	DC 28.0V	5775.029974	5725 – 5850	PASS
30	DC 28.0V	5775.012818	5725 – 5850	PASS
20	DC 28.0V	5775.008591	5725 – 5850	PASS
10	DC 28.0V	5775.044744	5725 – 5850	PASS
0	DC 28.0V	5774.974007	5725 – 5850	PASS
-10	DC 28.0V	5774.999565	5725 – 5850	PASS
-20	DC 28.0V	5774.984378	5725 – 5850	PASS
-30	DC 28.0V	5774.996256	5725 – 5850	PASS

IEEE 802.11ax20 Mode / 5745 – 5825 MHz / 5745 MHz

Enviroment Temperature (Dregree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 30.8V	5745.010841	5725 – 5850	PASS
20	DC 25.2V	5744.975665	5725 – 5850	PASS
50	DC 28.0V	5745.008081	5725 – 5850	PASS
40	DC 28.0V	5744.993221	5725 – 5850	PASS
30	DC 28.0V	5744.998598	5725 – 5850	PASS
20	DC 28.0V	5744.994003	5725 – 5850	PASS
10	DC 28.0V	5744.991074	5725 – 5850	PASS
0	DC 28.0V	5744.975923	5725 – 5850	PASS
-10	DC 28.0V	5745.009383	5725 – 5850	PASS
-20	DC 28.0V	5744.982630	5725 – 5850	PASS
-30	DC 28.0V	5745.012642	5725 – 5850	PASS

IEEE 802.11ax20 Mode / 5745 – 5825 MHz / 5825 MHz

Enviroment Temperature (Dregree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 30.8V	5824.972031	5725 – 5850	PASS
20	DC 25.2V	5824.984836	5725 – 5850	PASS
50	DC 28.0V	5825.008656	5725 – 5850	PASS
40	DC 28.0V	5824.970218	5725 – 5850	PASS
30	DC 28.0V	5824.991850	5725 – 5850	PASS
20	DC 28.0V	5824.954718	5725 – 5850	PASS
10	DC 28.0V	5824.984976	5725 – 5850	PASS
0	DC 28.0V	5825.003543	5725 – 5850	PASS
-10	DC 28.0V	5825.033807	5725 – 5850	PASS
-20	DC 28.0V	5824.996438	5725 – 5850	PASS
-30	DC 28.0V	5824.997245	5725 – 5850	PASS

IEEE 802.11ax40 Mode / 5755 – 5795 MHz / 5755 MHz

Enviroment Temperature (Dregree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 30.8V	5755.002482	5725 – 5850	PASS
20	DC 25.2V	5755.017172	5725 – 5850	PASS
50	DC 28.0V	5754.984852	5725 – 5850	PASS
40	DC 28.0V	5754.986069	5725 – 5850	PASS
30	DC 28.0V	5754.994578	5725 – 5850	PASS
20	DC 28.0V	5754.997307	5725 – 5850	PASS
10	DC 28.0V	5755.000096	5725 – 5850	PASS
0	DC 28.0V	5755.000256	5725 – 5850	PASS
-10	DC 28.0V	5754.978753	5725 – 5850	PASS
-20	DC 28.0V	5755.004267	5725 – 5850	PASS
-30	DC 28.0V	5754.998328	5725 – 5850	PASS

IEEE 802.11ax40 Mode / 5755 – 5795 MHz / 5795 MHz

Enviroment Temperature (Dregree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 30.8V	5794.973448	5725 – 5850	PASS
20	DC 25.2V	5794.995660	5725 – 5850	PASS
50	DC 28.0V	5795.025589	5725 – 5850	PASS
40	DC 28.0V	5795.005958	5725 – 5850	PASS
30	DC 28.0V	5794.995068	5725 – 5850	PASS
20	DC 28.0V	5794.994424	5725 – 5850	PASS
10	DC 28.0V	5795.001983	5725 – 5850	PASS
0	DC 28.0V	5795.020240	5725 – 5850	PASS
-10	DC 28.0V	5794.996575	5725 – 5850	PASS
-20	DC 28.0V	5795.015419	5725 – 5850	PASS
-30	DC 28.0V	5794.990448	5725 – 5850	PASS

IEEE 802.11ax80 Mode / 5775MHz / 5775 MHz

Enviroment Temperature (Dregree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 30.8V	5774.984461	5725 – 5850	PASS
20	DC 25.2V	5774.963936	5725 – 5850	PASS
50	DC 28.0V	5775.005499	5725 – 5850	PASS
40	DC 28.0V	5774.993749	5725 – 5850	PASS
30	DC 28.0V	5774.991883	5725 – 5850	PASS
20	DC 28.0V	5775.011284	5725 – 5850	PASS
10	DC 28.0V	5775.010759	5725 – 5850	PASS
0	DC 28.0V	5774.981004	5725 – 5850	PASS
-10	DC 28.0V	5774.957962	5725 – 5850	PASS
-20	DC 28.0V	5775.001427	5725 – 5850	PASS
-30	DC 28.0V	5775.006244	5725 – 5850	PASS

NOTE: We measured Radiated Emission at Antenna 1 & Antenna 2& Antenna 3& Antenna 4 mode from 1GHz to 25GHz and the worst case was recorded.

4.10. Antenna Requirement

Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

And according to FCC 47 CFR Section 15.407 (a), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

Antenna Information

The antenna is Internal antenna, through the buckle stretched out, The directional gains of antenna used for transmitting is 2.0dBi.
The antenna uses a special interface, the end user cannot easily replace the antenna, meeting the requirements of part15.203

Reference to the Test Report: **GTS20200907014-1-12.**

5. TEST SETUP PHOTOS OF THE EUT

Reference to the test report No. **GTS20200907014-1-12.**

6. EXTERNAL AND INTERNAL PHOTOS OF THE EUT

Reference to the test report No. **GTS20200907014-1-12.**

.....End of Report.....