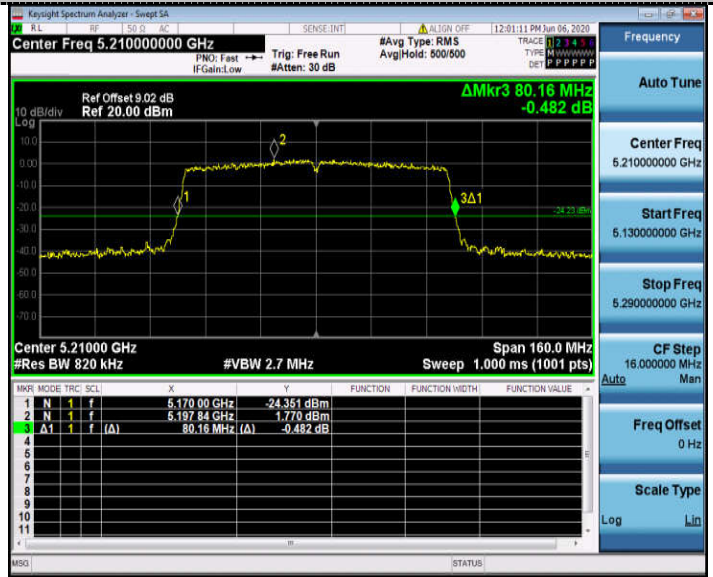


26dB Bandwidth

802.11ac40



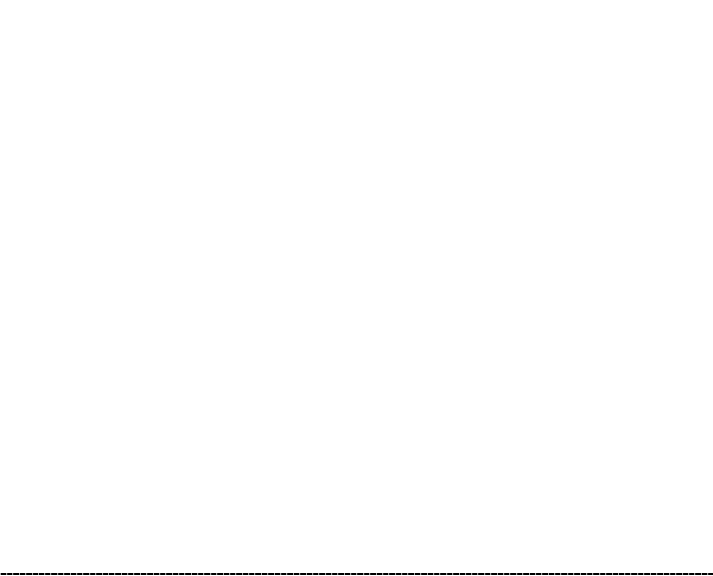
802.11ac80



CH38



CH42

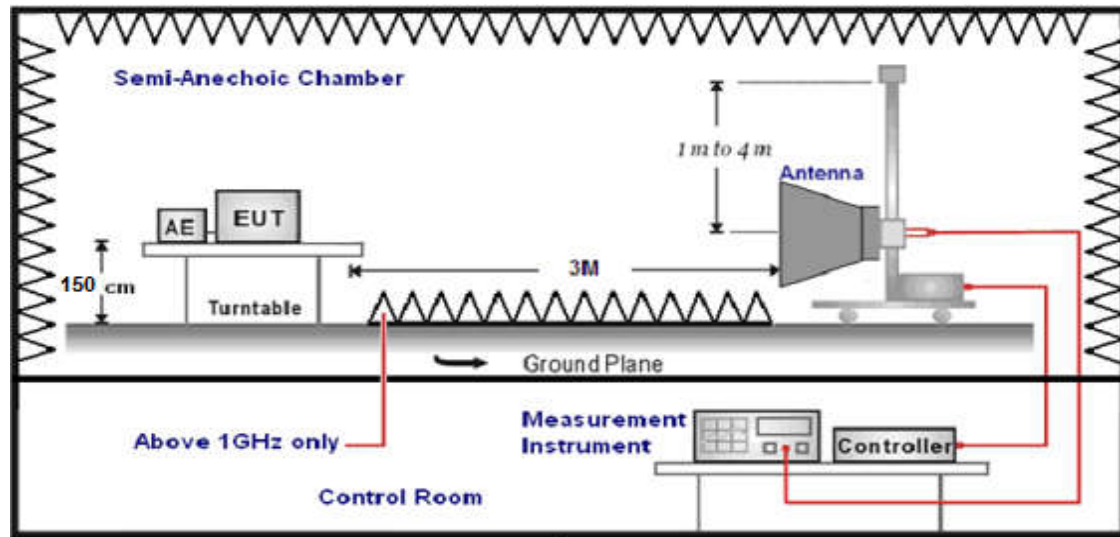


CH46



4.8. Band Edge Compliance

TEST CONFIGURATION



LIMIT

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequency (MHz)	Distance (Meters)	Radiated (dBμV/m)	Radiated (μV/m)
0.009-0.49	3	$20\log(2400/F(\text{KHz})) + 40\log(300/3)$	$2400/F(\text{KHz})$
0.49-1.705	3	$20\log(24000/F(\text{KHz})) + 40\log(30/3)$	$24000/F(\text{KHz})$
1.705-30	3	$20\log(30) + 40\log(30/3)$	30
30-88	3	40.0	100
88-216	3	43.5	150
216-960	3	46.0	200
Above 960	3	54.0	500

According to §15.407 (b): Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits

Frequency (MHz)	EIRP Limit (dBm)	Equivalent Field Strength at 3m (dBμV/m)
5150-5250	-27	68.2
5250-5350	-27	68.2
5470-5725	-27	68.2
5725-5850	-27 (beyond 10MHz of the bandedge)	68.2
	-17 (within 10 MHz of band edge)	78.2

TEST PROCEDURE

1. The EUT was placed on a turn table which is 1.5m above 1GHz.
2. Maximum procedure was performed by raising the receiving antenna from 1m to 4m and rotating the turn table from 0° to 360° to acquire the highest emissions from EUT.
3. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
4. Repeat above procedures until all frequency measurements have been completed..
5. The distance between test antenna and EUT as following table states:

Test Frequency range	Test Antenna Type	Test Distance
1GHz-18GHz	Double Ridged Horn Antenna	3

6. Setting test receiver/spectrum as following table states:

Test Frequency range	Test Receiver/Spectrum Setting	Detector
1GHz-18GHz	Peak Value: RBW=1MHz/VBW=3MHz, Sweep time=Auto Average Value: RBW=1MHz/VBW=10Hz, Sweep time=Auto	Peak

Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor(if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS = RA + AF + CL - AG$$

Where FS = Field Strength	CL = Cable Attenuation Factor (Cable Loss)
RA = Reading Amplitude	AG = Amplifier Gain
AF = Antenna Factor	

TEST RESULTS

Remark:For radiated bandedge We measured at both mode, recorded worst case at MIMO 802.11 ac20 mode;

For Radiated Bandedge Measurement

Temperature	23.8°C	Humidity	53.7%
Test Engineer	Moon Tan	Configurations	IEEE 802.11a/n/ac

NOTE: We measured Radiated Emission at Antenna 0& Antenna 1 mode from 1GHz to 25GHz and the worst case was recorded(Antenna 0).

802.11 ac20/ Channel 36 :5180 MHz									
Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
4500.0	35.27	35.58	29.04	8.28	50.09	68.20	-18.11	Peak	Horizontal
4500.0	30.26	35.58	29.04	8.28	45.08	54.00	-8.92	AV	Horizontal
5150.0	39.17	35.58	29.04	8.28	53.99	68.20	-14.21	Peak	Horizontal
5150.0	30.73	35.58	29.04	8.28	45.55	54.00	-8.45	AV	Horizontal

802.11 ac20/ Channel 48 :5240 MHz									
Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
5350.0	35.01	35.42	29.06	8.39	49.76	68.20	-18.44	Peak	Horizontal
5350.0	30.25	35.42	29.06	8.39	45.00	54.00	-9.00	AV	Horizontal
5460.0	39.18	35.42	29.06	8.39	53.93	68.20	-14.27	Peak	Horizontal
5460.0	30.63	35.42	29.06	8.39	45.38	54.00	-8.62	AV	Horizontal

802.11 ac20/ Channel 36 :5180 MHz									
Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
4500.0	35.13	35.58	29.04	8.28	49.95	68.20	-18.25	Peak	Vertical
4500.0	30.19	35.58	29.04	8.28	45.01	54.00	-8.99	AV	Vertical
5150.0	39.03	35.58	29.04	8.28	53.85	68.20	-14.35	Peak	Vertical
5150.0	30.66	35.58	29.04	8.28	45.48	54.00	-8.52	AV	Vertical

802.11 ac20/ Channel 48 :5240 MHz									
Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
5350.0	35.05	35.42	29.06	8.39	49.80	68.20	-18.40	Peak	Vertical
5350.0	30.36	35.42	29.06	8.39	45.11	54.00	-8.89	AV	Vertical
5460.0	39.26	35.42	29.06	8.39	54.01	68.20	-14.19	Peak	Vertical
5460.0	30.46	35.42	29.06	8.39	45.21	54.00	-8.79	AV	Vertical

802.11 ac20/ Channel 149 :5745 MHz									
Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
5650.0	30.29	35.35	29.07	8.43	45.00	68.20	-23.20	Peak	Horizontal
5700.0	30.42	35.35	29.07	8.43	45.13	68.20	-23.07	Peak	Horizontal
5720.0	32.23	35.35	29.07	8.43	46.94	68.20	-21.26	Peak	Horizontal
5725.0	30.67	35.35	29.07	8.43	45.38	68.20	-22.82	Peak	Horizontal

802.11 ac20/ Channel 165 :5825 MHz									
Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
5850.0	30.09	35.3	29.11	8.51	44.79	68.20	-23.41	Peak	Horizontal
5855.0	30.13	35.3	29.11	8.51	44.83	68.20	-23.37	Peak	Horizontal
5875.0	32.03	35.3	29.11	8.51	46.73	68.20	-21.47	Peak	Horizontal
5925.0	30.75	35.3	29.11	8.51	45.45	68.20	-22.75	Peak	Horizontal

802.11 ac20/ Channel 149 :5745 MHz									
Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
5650.0	30.07	35.35	29.07	8.43	44.78	68.20	-23.42	Peak	Vertical
5700.0	30.16	35.35	29.07	8.43	44.87	68.20	-23.33	Peak	Vertical
5720.0	32.02	35.35	29.07	8.43	46.73	68.20	-21.47	Peak	Vertical
5725.0	30.68	35.35	29.07	8.43	45.39	68.20	-22.81	Peak	Vertical

802.11 ac20/ Channel 165 :5825 MHz									
Freq (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
5850.0	30.21	35.3	29.11	8.51	44.91	68.20	-23.29	Peak	Vertical
5855.0	30.36	35.3	29.11	8.51	45.06	68.20	-23.14	Peak	Vertical
5875.0	32.10	35.3	29.11	8.51	46.80	68.20	-21.40	Peak	Vertical
5925.0	30.45	35.3	29.11	8.51	45.15	68.20	-23.05	Peak	Vertical

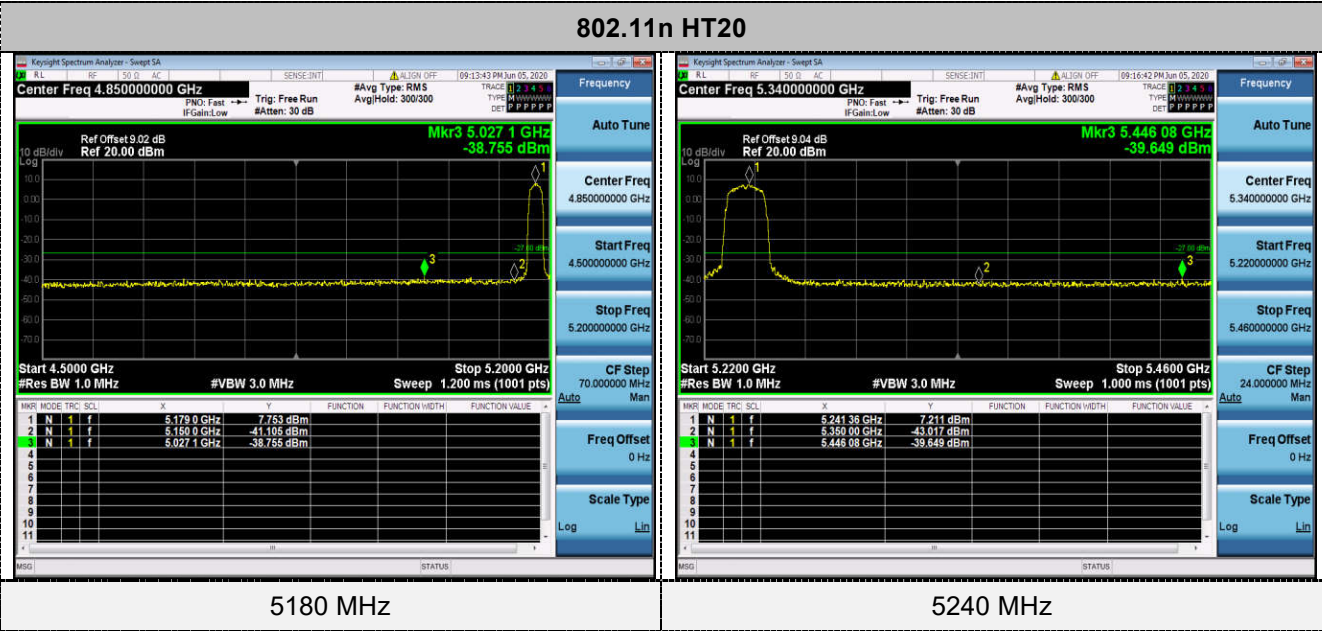
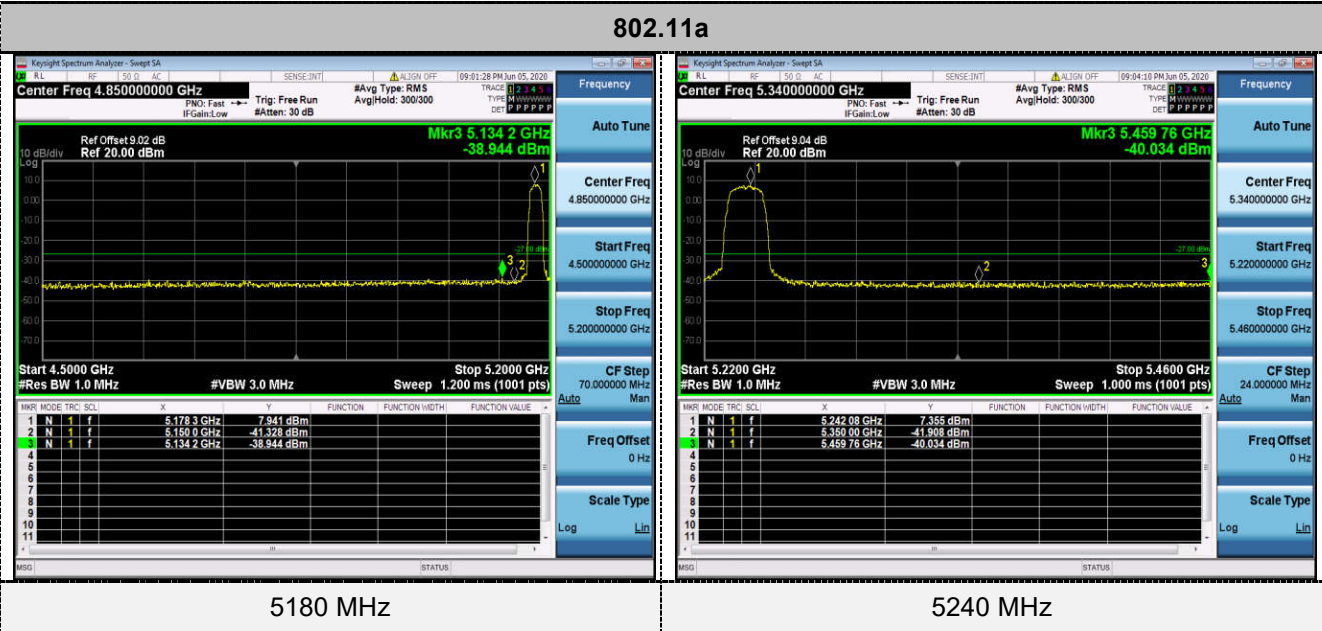
REMARKS:

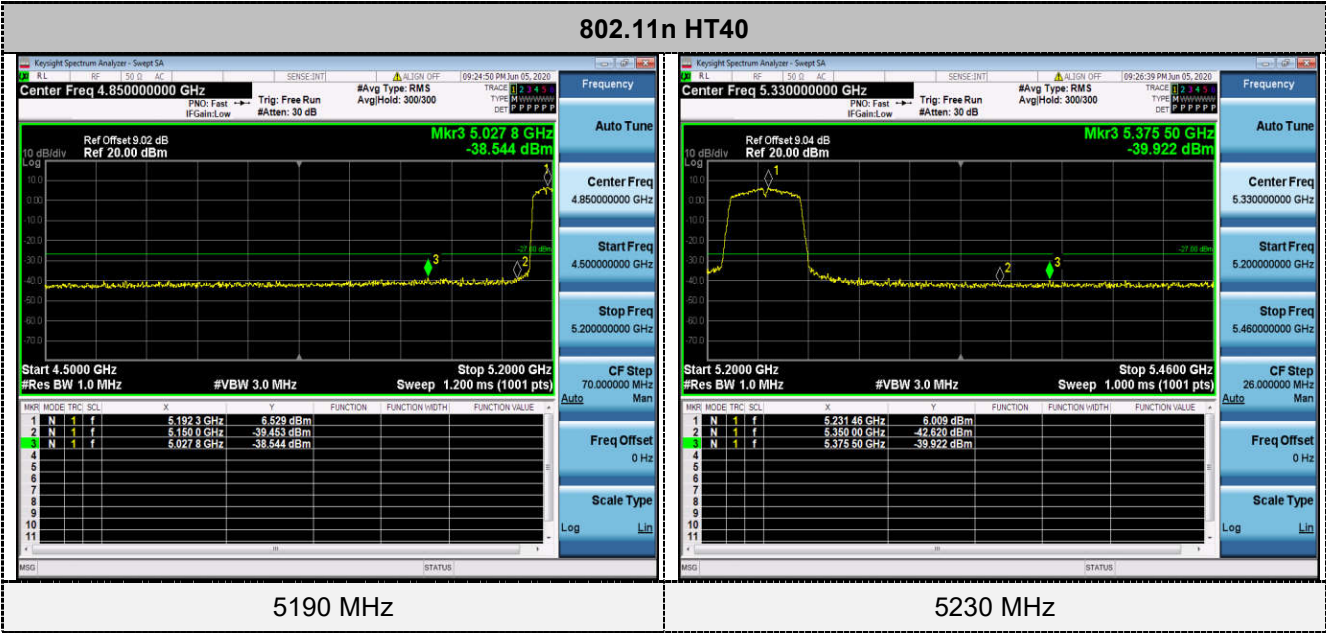
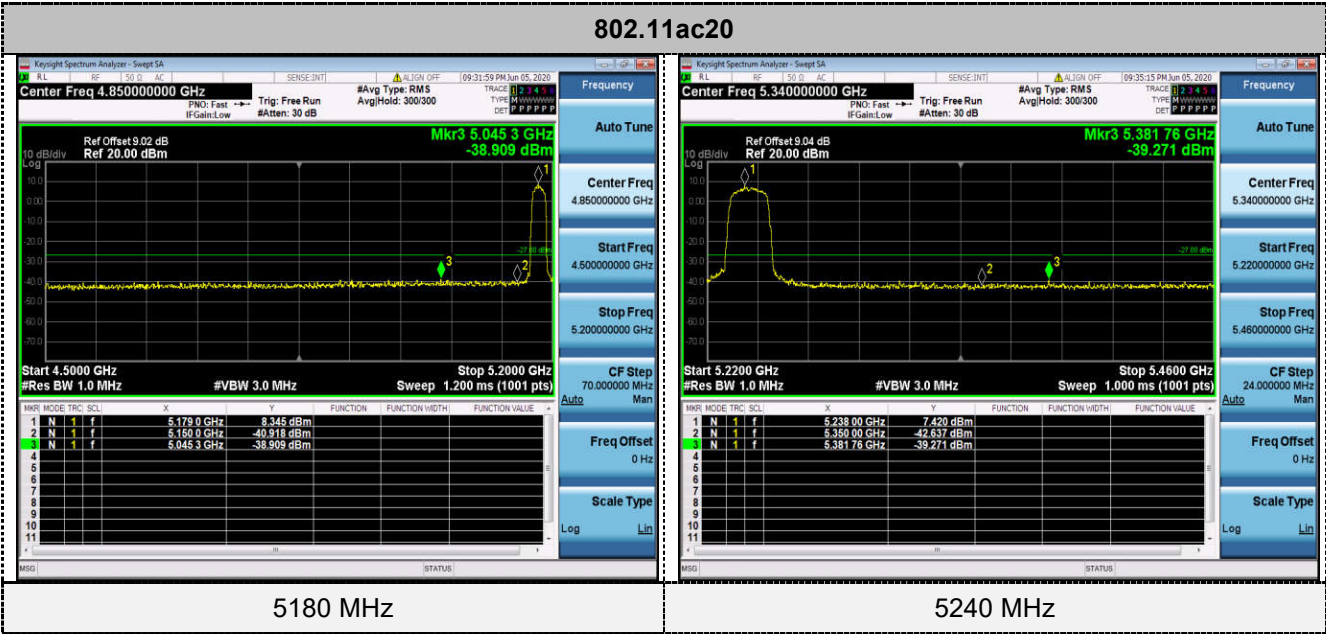
1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. Margin= Result Level- Limit Line
3. The other emission levels were very low against the limit.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. Detector AV is setting spectrum/receiver. RBW=1MHz/VBW=10Hz/Sweep time=Auto/Detector=Peak;

For Conducted Band edge Measurement

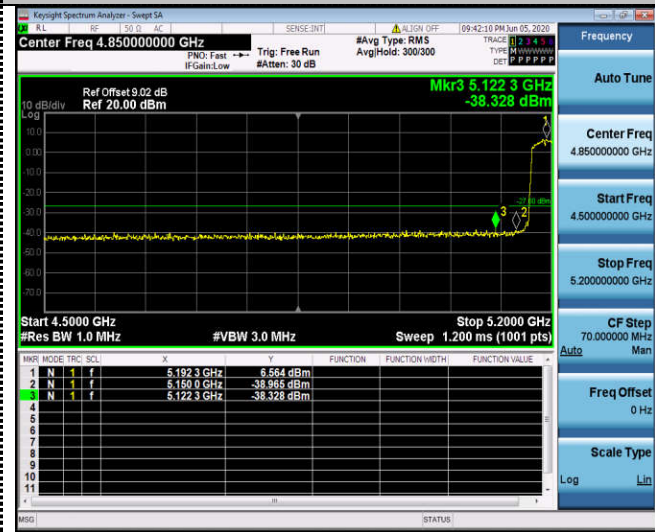
Temperature	23.7℃	Humidity	55.4%
Test Engineer	Moon Tan	Configurations	IEEE 802.11a/n/ac

The test results have included the antenna gain
Antenna 2:
5150-5250MHz:

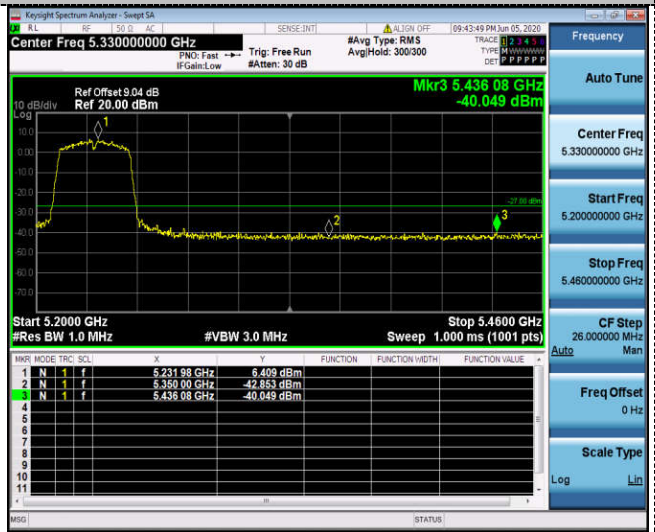




802.11ac40

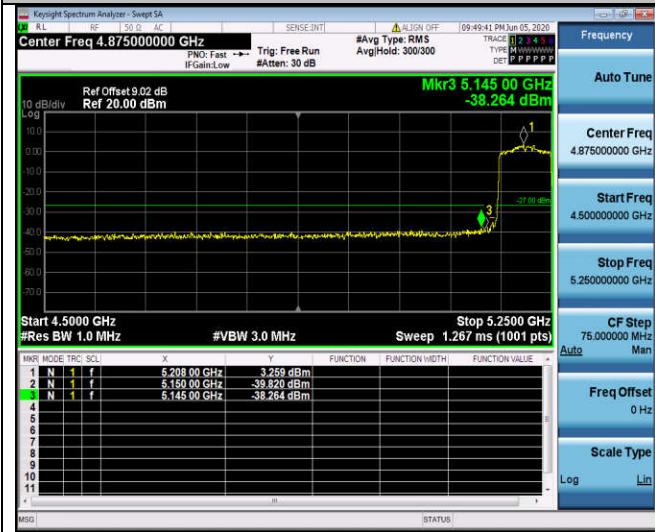


5190 MHz

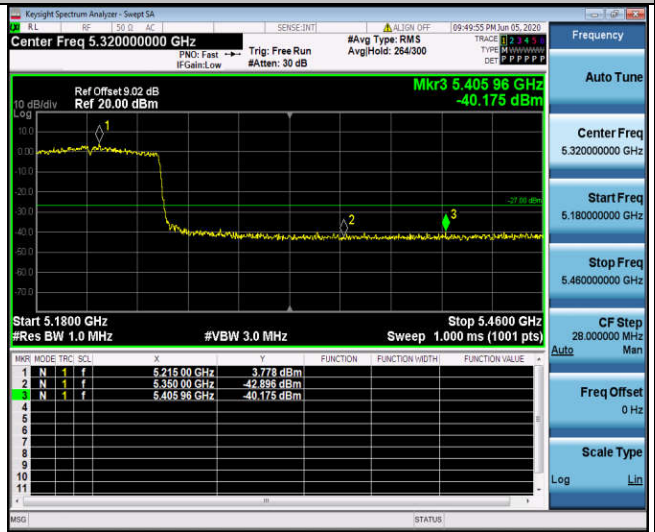


5230 MHz

802.11ac80

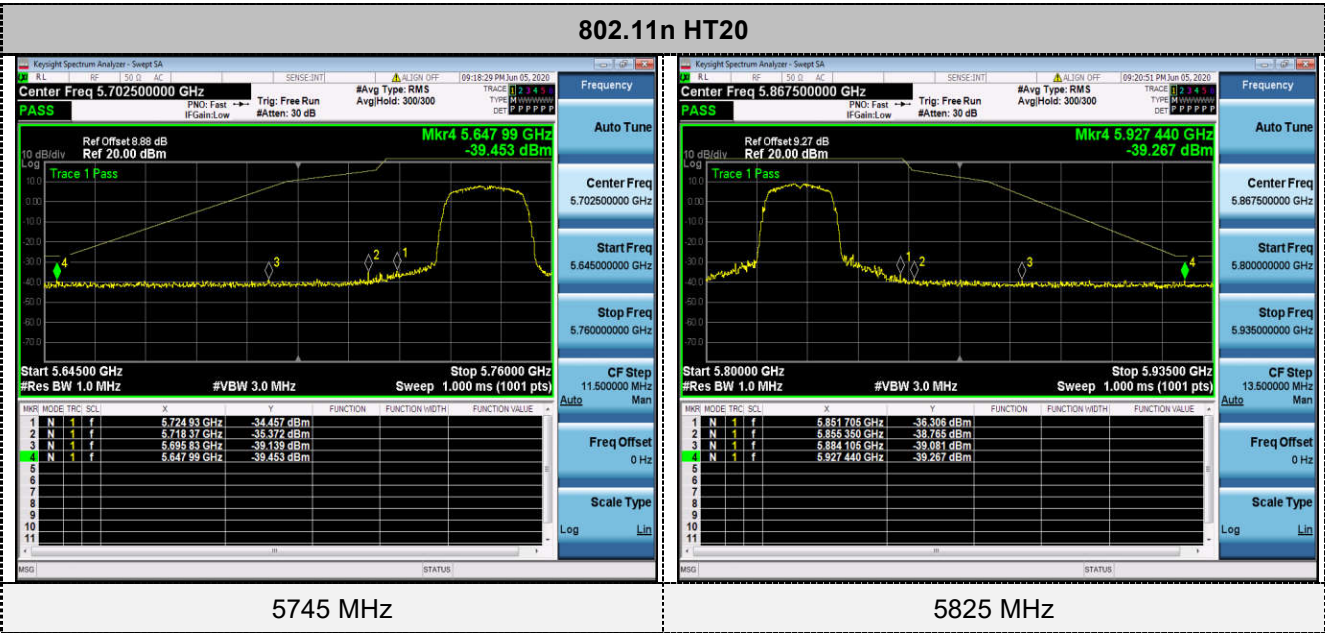
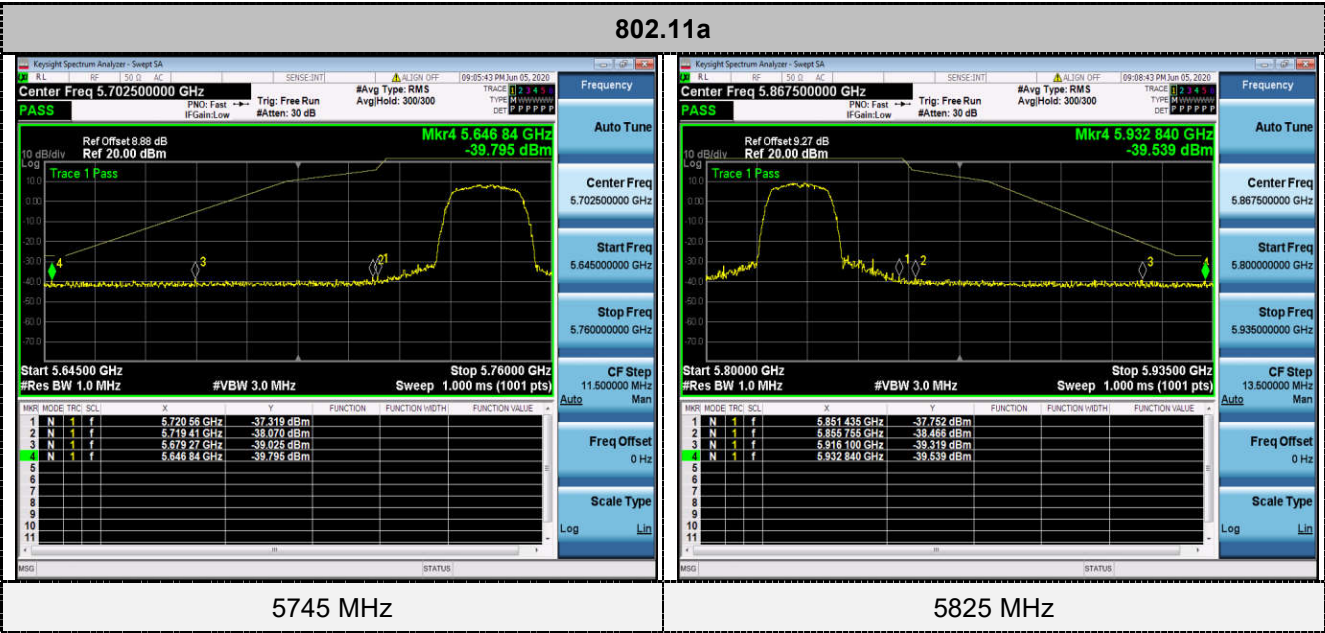


5210 MHz



5210 MHz

5725-5850MHz:



802.11ac20

Left Screenshot (5745 MHz):

- Center Freq: 5.702500000 GHz
- Ref Offset: 8.88 dB, Ref: 20.00 dBm
- Mkr4 5.645 00 GHz: -39.660 dBm
- Start: 5.645000 GHz, Stop: 5.760000 GHz
- CF Step: 11.500000 MHz
- Table:

N	1	1	f	X	Y	FUNCTION	FUNCTION W/TH	FUNCTION VALUE
1	N	1	f	5.724 58 GHz	-36.010 dBm			
2	N	1	f	5.718 83 GHz	-38.916 dBm			
3	N	1	f	5.679 35 GHz	-39.168 dBm			
4	N	1	f	5.645 00 GHz	-39.660 dBm			

Right Screenshot (5825 MHz):

- Center Freq: 5.867500000 GHz
- Ref Offset: 9.27 dB, Ref: 20.00 dBm
- Mkr4 5.930 410 GHz: -40.273 dBm
- Start: 5.800000 GHz, Stop: 5.935000 GHz
- CF Step: 13.500000 MHz
- Table:

N	1	1	f	X	Y	FUNCTION	FUNCTION W/TH	FUNCTION VALUE
1	N	1	f	5.882 245 GHz	-37.525 dBm			
2	N	1	f	5.882 235 GHz	-37.987 dBm			
3	N	1	f	5.910 835 GHz	-39.310 dBm			
4	N	1	f	5.930 410 GHz	-40.273 dBm			

5745 MHz

5825 MHz

5755 MHz

Center Freq 5.712500000 GHz
 Ref Offset 8.88 dB
 Ref 20.00 dBm
 Mkr4 5.645 675 GHz
 -39.864 dBm

MARK	MODE	TRC	SCN	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	5.723 030 GHz	-34.106 dBm			
2	N	1	f	5.718 395 GHz	-34.617 dBm			
3	N	1	f	5.656 870 GHz	-38.731 dBm			
4	N	1	f	5.645 675 GHz	-39.864 dBm			

Freq Offset	0 Hz
Scale Type	Log

5795 MHz

Center Freq 5.852500000 GHz
 Ref Offset 9.27 dB
 Ref 20.00 dBm
 Mkr4 5.932 360 GHz
 -40.435 dBm

MARK	MODE	TRC	SCN	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	5.850 190 GHz	-38.604 dBm			
2	N	1	f	5.867 185 GHz	-38.740 dBm			
3	N	1	f	5.883 820 GHz	-38.172 dBm			
4	N	1	f	5.932 360 GHz	-40.435 dBm			

Freq Offset	0 Hz
Scale Type	Log

5755 MHz

5795 MHz

Left Plot (5755 MHz):

- Center Freq: 5.712500000 GHz
- Ref Offset: 8.88 dB
- Ref: 20.00 dBm
- Mkr4: 5.647 970 GHz, -39.794 dBm
- Start: 5.645000000 GHz
- Stop: 5.780000000 GHz
- CF Step: 13.5000000 MHz
- Res BW: 1.0 MHz
- #VBW: 3.0 MHz
- Sweep: 1.000 ms (1001 pts)

MNR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	5.724 245 GHz	-34.182 dBm			
2	N	1	f	5.716 010 GHz	-34.865 dBm			
3	N	1	f	5.699 945 GHz	-38.324 dBm			
4	N	1	f	5.647 970 GHz	-39.794 dBm			

Right Plot (5795 MHz):

- Center Freq: 5.852500000 GHz
- Ref Offset: 9.27 dB
- Ref: 20.00 dBm
- Mkr4: 5.927 245 GHz, -40.354 dBm
- Start: 5.770000000 GHz
- Stop: 5.935000000 GHz
- CF Step: 16.5000000 MHz
- Res BW: 1.0 MHz
- #VBW: 3.0 MHz
- Sweep: 1.000 ms (1001 pts)

MNR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	5.850 520 GHz	-39.133 dBm			
2	N	1	f	5.844 215 GHz	-39.861 dBm			
3	N	1	f	5.875 105 GHz	-39.002 dBm			
4	N	1	f	5.927 245 GHz	-40.354 dBm			

5755 MHz

5795 MHz

Center Freq 5.722500000 GHz

Trace 1 Pass

Mkr4 5.648 255 GHz -40.697 dBm

Start 5.645000 GHz Stop 5.800000 GHz

#Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.000 ms (1001 pts)

MNR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	5.724 925 GHz	-35.076 dBm			
2	N	1	f	5.719 245 GHz	-33.811 dBm			
3	N	1	f	5.683 586 GHz	-35.426 dBm			
4	N	1	f	5.648 255 GHz	-40.697 dBm			

Center Freq 5.842500000 GHz

Trace 1 Pass

Mkr4 5.928 340 GHz -41.121 dBm

Start 5.750000 GHz Stop 5.935000 GHz

#Res BW 1.0 MHz #VBW 3.0 MHz Sweep 1.000 ms (1001 pts)

MNR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	5.853 415 GHz	-39.547 dBm			
2	N	1	f	5.897 355 GHz	-39.971 dBm			
3	N	1	f	5.881 350 GHz	-39.943 dBm			
4	N	1	f	5.928 340 GHz	-41.121 dBm			

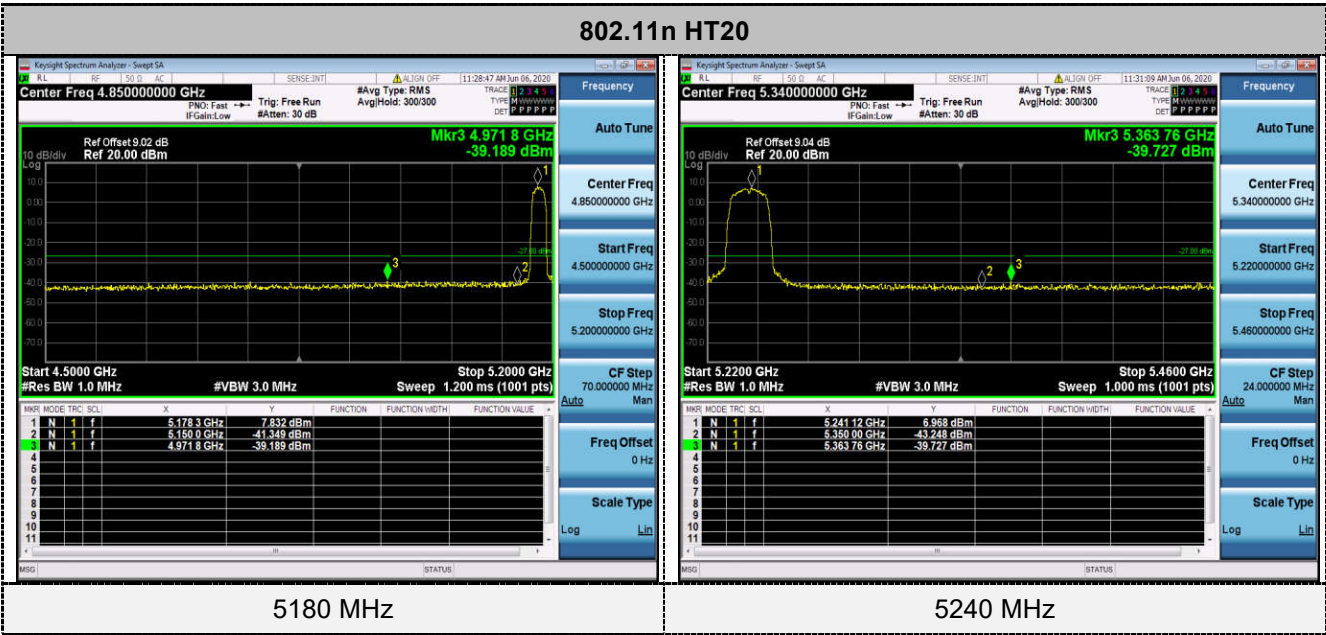
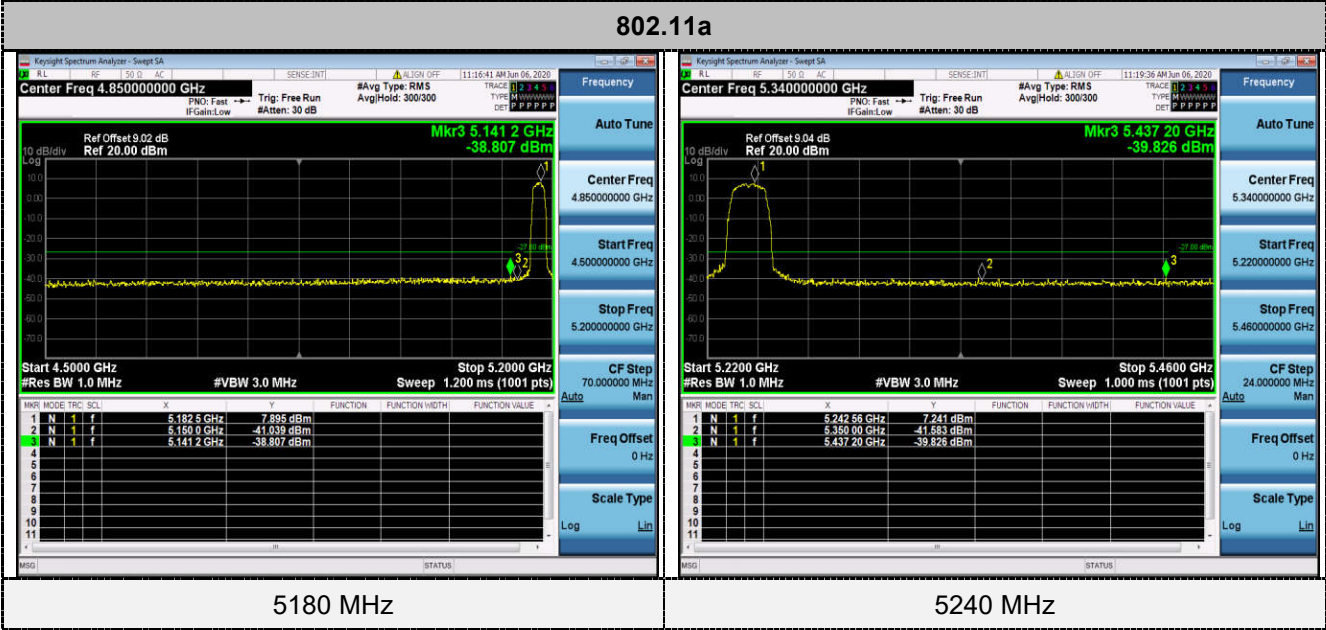
5775 MHz

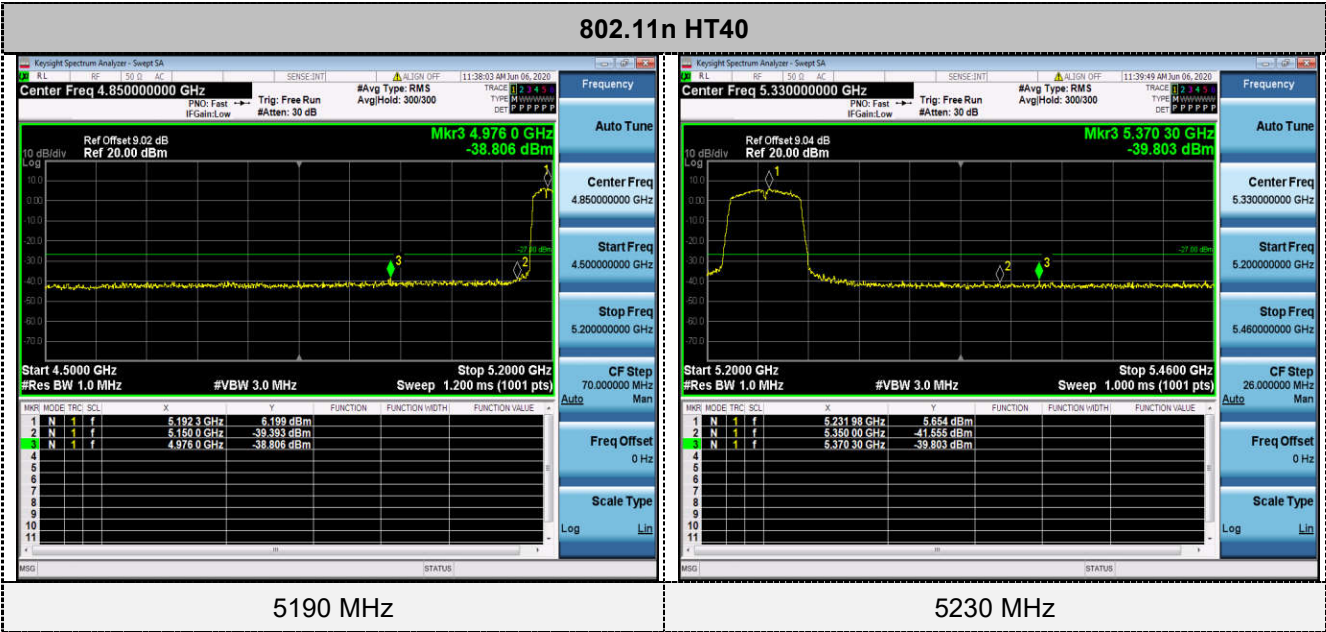
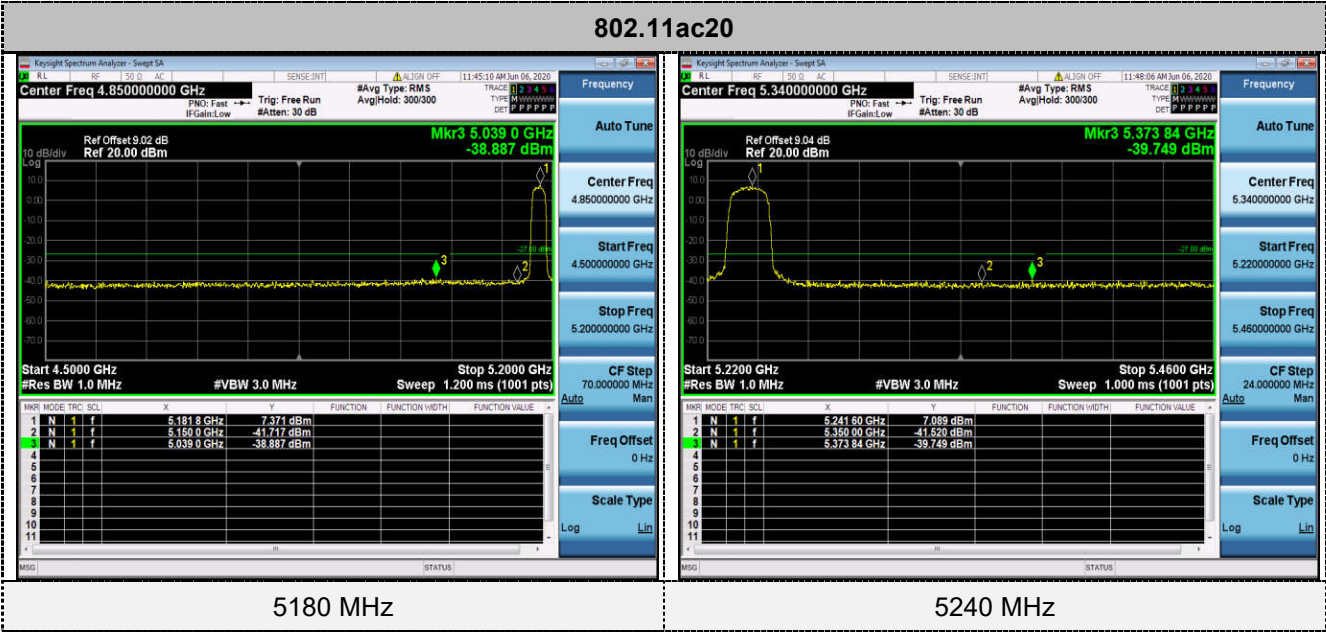
5775 MHz

5775 MHz

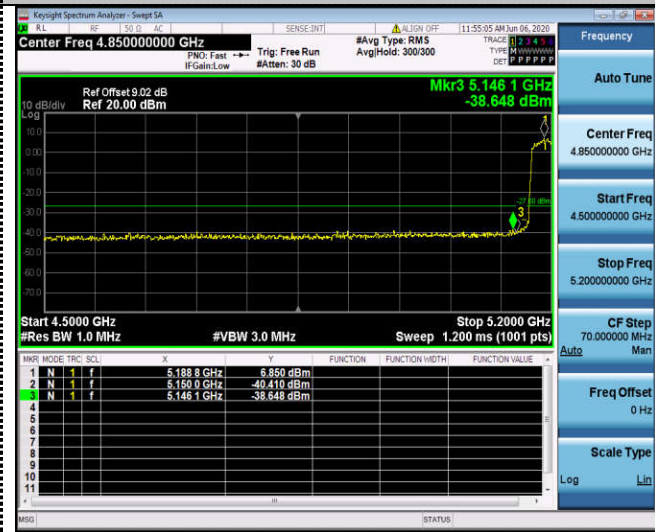
5775 MHz

Antenna 3:
5150-5250MHz:

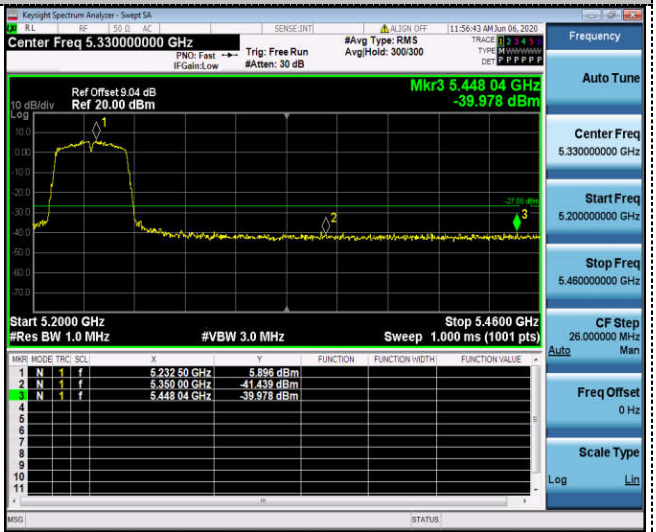




802.11ac40

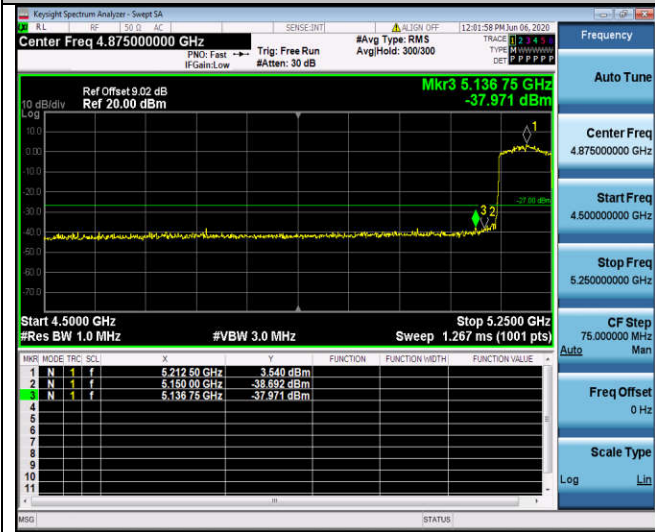


5190 MHz

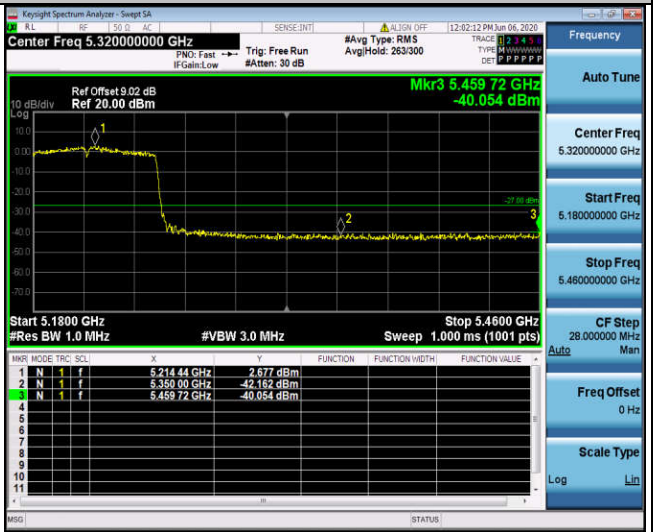


5230 MHz

802.11ac80

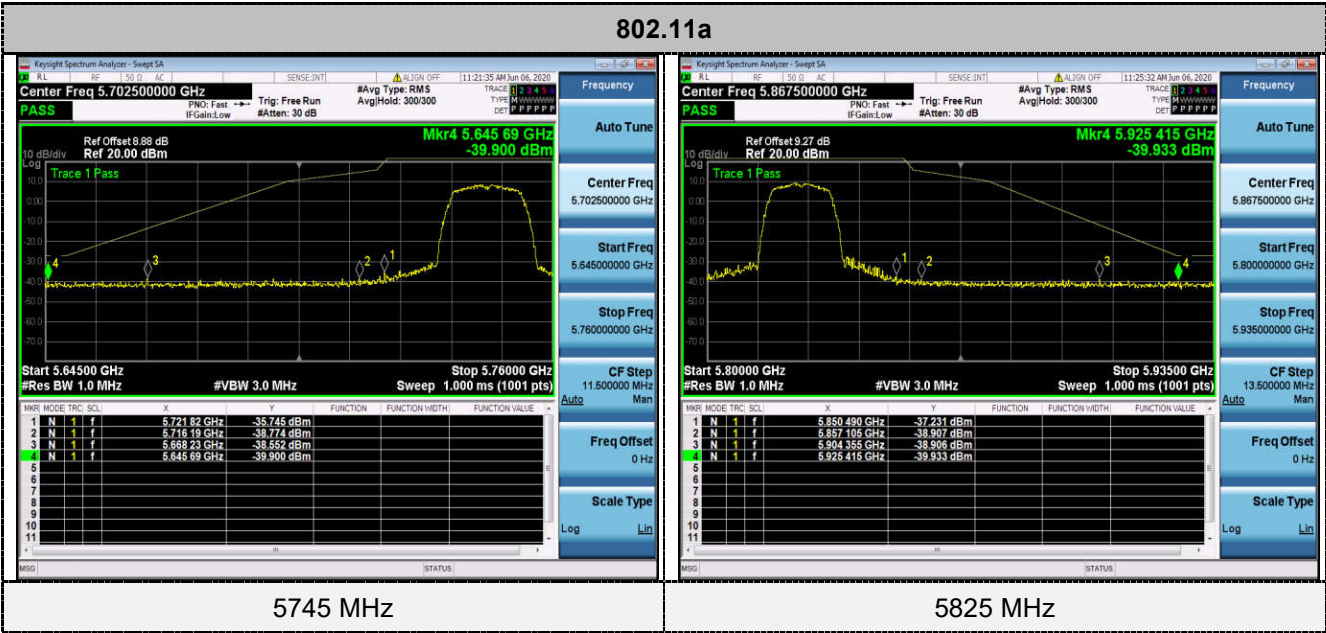


5210 MHz

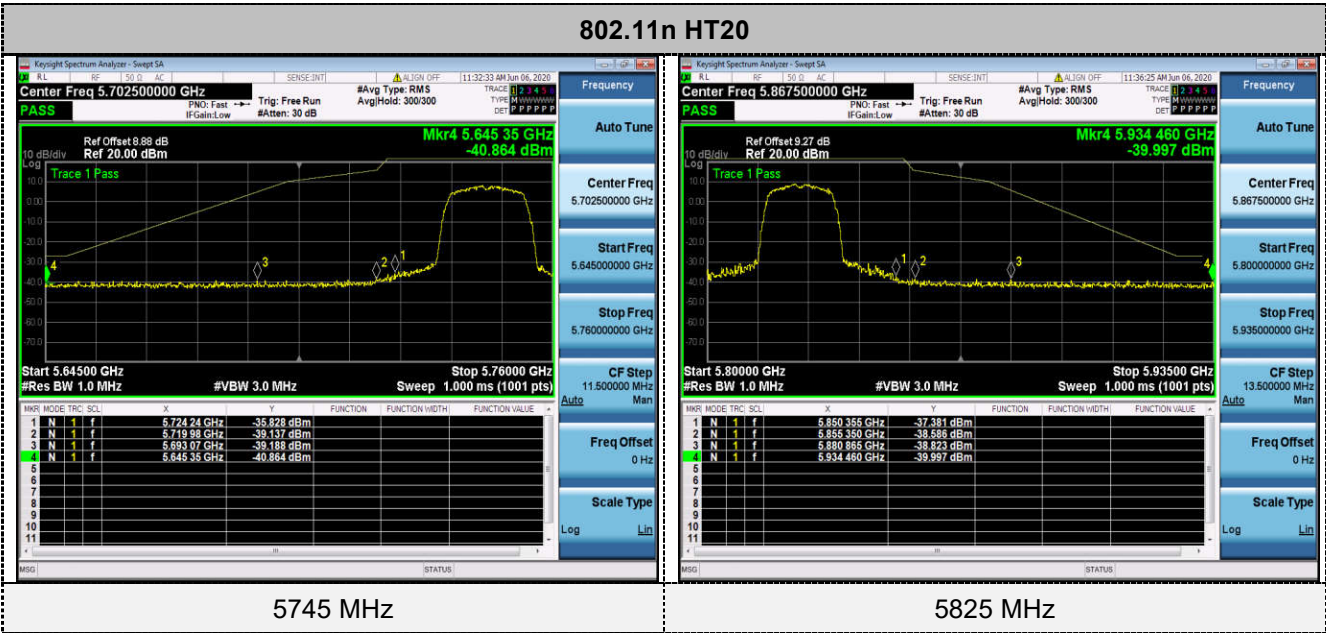


5210 MHz

5725-5850MHz:

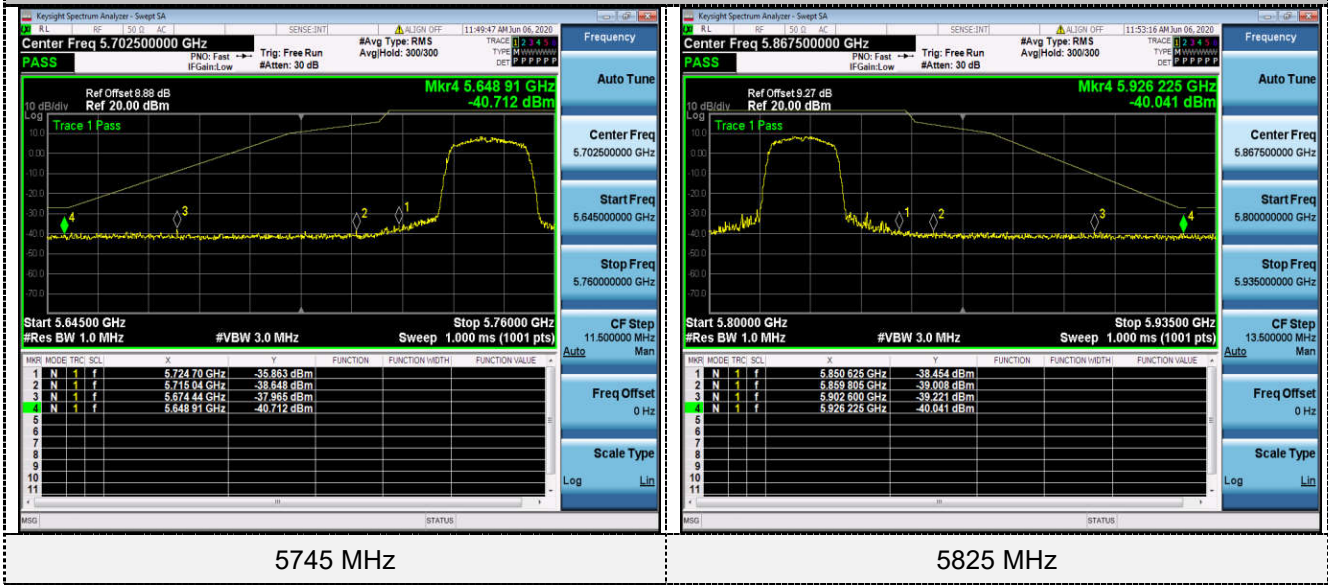


5825 MHz



5825 MHz

802.11ac20



KeySight Spectrum Analyzer - Swept SA

Center Freq 5.867500000 GHz

PASS

Ref Offset 9.27 dB
Ref 20.00 dBm

Trace 1 Pass

Mkr4 5.926 225 GHz
-40.041 dBm

Start 5.80000 GHz
#Res BW 1.0 MHz

#VBW 3.0 MHz

Stop 5.93500 GHz

Sweep 1.000 ms (1001 pts)

CF Step 13.500000 MHz

Freq Offset 0 Hz

Scale Type Log

Auto Tune

Center Freq 5.867500000 GHz

Start Freq 5.800000000 GHz

Stop Freq 5.935000000 GHz

CF Step 13.500000 MHz

Freq Offset 0 Hz

Scale Type Log

Auto

Man

Log

Lin

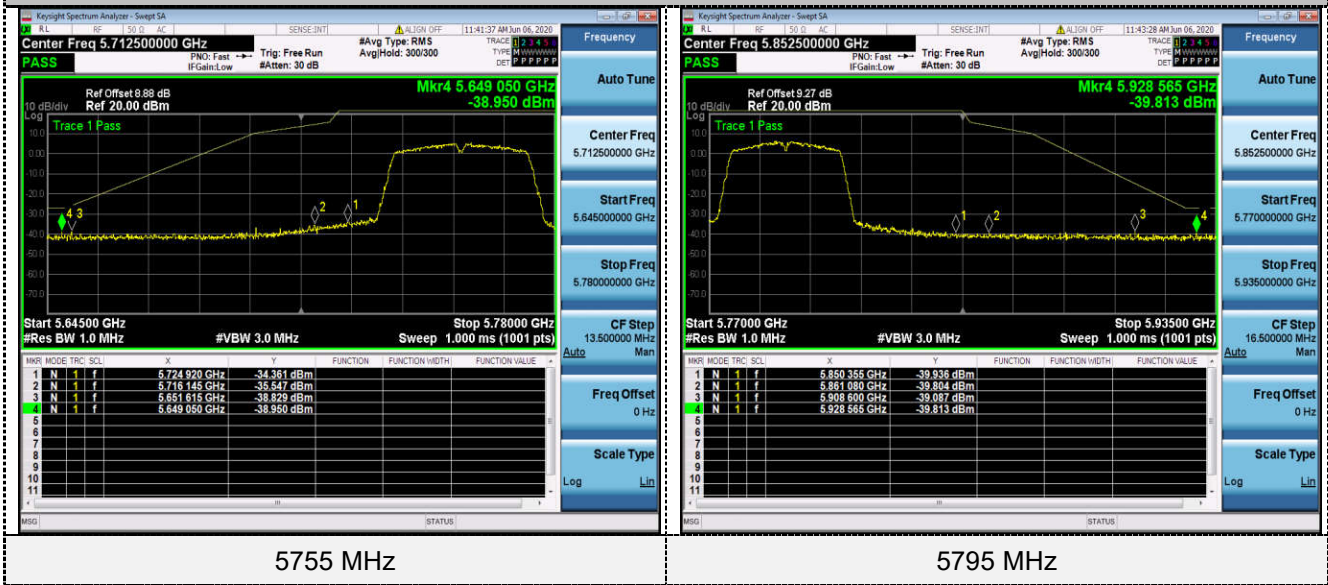
MSG

STATUS

MNR	MODE	TRC	SC1	X	Y	FUNCTION	FUNCTION MATH	FUNCTION VALUE
1	N	1	f	5.850 625 GHz	-38.454 dBm			
2	N	1	f	5.859 806 GHz	-39.068 dBm			
3	N	1	f	5.902 800 GHz	-39.221 dBm			
4	N	1	f	5.926 225 GHz	-40.041 dBm			

5825 MHz

802.11n HT40



KeySight Spectrum Analyzer - Swept SA

Center Freq 5.852500000 GHz

PASS

Ref Offset 9.27 dB
Ref 20.00 dBm

Trace 1 Pass

Mkr4 5.928 565 GHz
-39.813 dBm

Start 5.77000 GHz
#Res BW 1.0 MHz

#VBW 3.0 MHz

Stop 5.93500 GHz

Sweep 1.000 ms (1001 pts)

CF Step 16.500000 MHz

Freq Offset 0 Hz

Scale Type Log

Auto Tune

Center Freq 5.852500000 GHz

Start Freq 5.770000000 GHz

Stop Freq 5.935000000 GHz

CF Step 16.500000 MHz

Freq Offset 0 Hz

Scale Type Log

Auto

Man

Log

Lin

MSG

STATUS

MNR	MODE	TRC	SC1	X	Y	FUNCTION	FUNCTION MATH	FUNCTION VALUE
1	N	1	f	5.850 355 GHz	-39.936 dBm			
2	N	1	f	5.861 080 GHz	-39.804 dBm			
3	N	1	f	5.908 800 GHz	-39.087 dBm			
4	N	1	f	5.928 565 GHz	-39.813 dBm			

5795 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.”

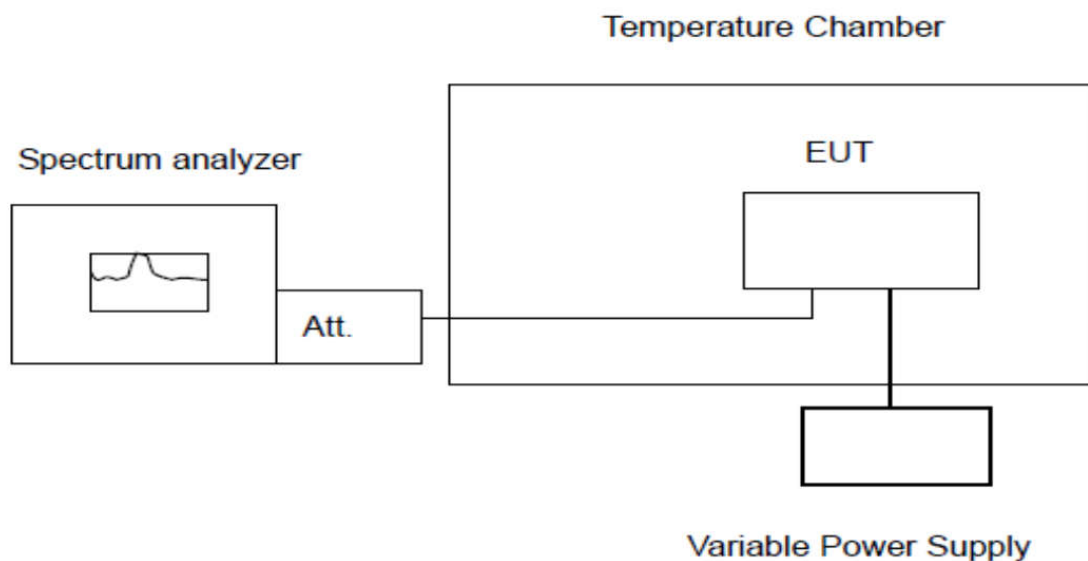
According to FCC §2.1055(a) “The frequency stability shall be measured with variation of ambient temperature as follows:”

(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 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 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 with 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 (Degree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 13.2V	5180.009221	5150 – 5250	PASS
20	DC 10.8V	5180.015814	5150 – 5250	PASS
50	DC 12.0V	5179.991640	5150 – 5250	PASS
40	DC 12.0V	5180.006096	5150 – 5250	PASS
30	DC 12.0V	5179.979529	5150 – 5250	PASS
20	DC 12.0V	5180.013348	5150 – 5250	PASS
10	DC 12.0V	5179.975975	5150 – 5250	PASS
0	DC 12.0V	5180.024770	5150 – 5250	PASS
-10	DC 12.0V	5180.006481	5150 – 5250	PASS
-20	DC 12.0V	5180.007045	5150 – 5250	PASS
-30	DC 12.0V	5179.973106	5150 – 5250	PASS

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

Enviroment Temperature (Degree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 13.2V	5240.002331	5150 – 5250	PASS
20	DC 10.8V	5240.012985	5150 – 5250	PASS
50	DC 12.0V	5240.021935	5150 – 5250	PASS
40	DC 12.0V	5240.008966	5150 – 5250	PASS
30	DC 12.0V	5239.996773	5150 – 5250	PASS
20	DC 12.0V	5240.023072	5150 – 5250	PASS
10	DC 12.0V	5240.038681	5150 – 5250	PASS
0	DC 12.0V	5240.008050	5150 – 5250	PASS
-10	DC 12.0V	5240.034364	5150 – 5250	PASS
-20	DC 12.0V	5240.017287	5150 – 5250	PASS
-30	DC 12.0V	5239.989940	5150 – 5250	PASS

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

Enviroment Temperature (Degree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 13.2V	5745.008050	5725 – 5850	PASS
20	DC 10.8V	5744.980279	5725 – 5850	PASS
50	DC 12.0V	5745.031021	5725 – 5850	PASS
40	DC 12.0V	5745.044260	5725 – 5850	PASS
30	DC 12.0V	5744.969025	5725 – 5850	PASS
20	DC 12.0V	5744.997161	5725 – 5850	PASS
10	DC 12.0V	5744.954059	5725 – 5850	PASS
0	DC 12.0V	5744.993632	5725 – 5850	PASS
-10	DC 12.0V	5744.999452	5725 – 5850	PASS
-20	DC 12.0V	5744.996792	5725 – 5850	PASS
-30	DC 12.0V	5744.970171	5725 – 5850	PASS

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

Enviroment Temperature (Degree)	Voltage (V)	Measured Frequency (MHz)	Limit Range (MHz)	Test Results
20	DC 13.2V	5824.989539	5725 – 5850	PASS
20	DC 10.8V	5824.967167	5725 – 5850	PASS
50	DC 12.0V	5825.031777	5725 – 5850	PASS
40	DC 12.0V	5824.996121	5725 – 5850	PASS
30	DC 12.0V	5825.032141	5725 – 5850	PASS
20	DC 12.0V	5825.000859	5725 – 5850	PASS
10	DC 12.0V	5824.993465	5725 – 5850	PASS
0	DC 12.0V	5824.988652	5725 – 5850	PASS
-10	DC 12.0V	5825.008077	5725 – 5850	PASS
-20	DC 12.0V	5825.019444	5725 – 5850	PASS
-30	DC 12.0V	5825.047014	5725 – 5850	PASS

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 External antenna, through the buckle stretched out, The directional gains of antenna used for transmitting is 5.0dBi.

Reference to the Test Report: **GTS20200525002-1-8.**

5. TEST SETUP PHOTOS OF THE EUT

Reference to the test report No. GTS20200525002-1-8.

6. EXTERNAL AND INTERNAL PHOTOS OF THE EUT

Reference to the test report No. GTS20200525002-1-8.

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