6.3 MAXIMUM CONDUCTED OUTPUT POWER

LIMIT

According to §15.407(a),

(iv) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi.

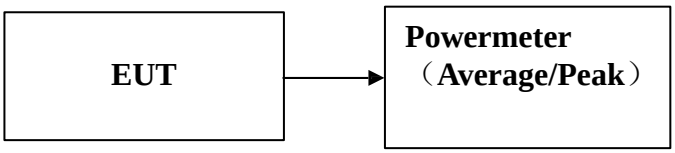
For the 5.25-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm 10 log B, where B is the 26 dB emission bandwidth in megahertz.

If transmitting antennas of directional gain greater than 6dBi are used, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

Note that U-NII-2 band, devices with a maximum ei.rp. greater than 500 mW shallim plement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.ir.p. of 1 W

The peak power shall not exceed the limit as follow:

Test Configuration



The EUT was connected to a spectrum analyzer through a 50Ω RFcable.

TESTPROCEDURE

The testing follows Method PM of FCCKDB789033 D02General UNIITestProceduresNewRules v02r01.

Method PM (Measurement using an RF peak power meter):

1. Measurement is performed using a wideband RF power meter.
2. TheEUTisconfiguredtotransmitcontinuouslywithaconsistentdutycycleatitsmaximum power control level.

TESTRESULTS

No non-compliance noted

TESTRESULTS

No non-compliance noted

Test Data

Antenna 1

Testmode:IEEE802.11amode5150~5250MHz

Channel	Frequency (MHz)	PeakOutputPower (dBm)		Mimo	Limit(dBm)
		Ant1	Ant2		
Low	5180	19.62	19.62	/	24.00
Mid	5220	19.65	19.70	/	24.00
High	5240	19.83	19.86	/	24.00

5250~5350MHz

Channel	Frequency (MHz)	PeakOutputPower (dBm)		Mimo	Limit(dBm)
		Ant1	Ant2		
Low	5260	19.48	19.04	/	24.00
Mid	5280	19.55	19.14	/	24.00
High	5320	19.82	19.49	/	24.00

5470~5725MHz

Channel	Frequency (MHz)	PeakOutputPower (dBm)		Mimo	Limit(dBm)
		Ant1	Ant2		
Low	5500	19.67	19.34	/	24.00
Mid	5580	19.05	19.79	/	24.00
High	5700	19.85	19.47	/	24.00

Testmode:IEEE802.11nHT20MHzmode5150~5250MHz

Channel	Frequency (MHz)	PeakOutputPower (dBm)		Mimo	Limit(dBm)
		Ant1	Ant2		
Low	5180	15.38	15.66	18.53	24.00
Mid	5220	15.44	15.73	18.60	24.00
High	5240	15.08	15.81	18.47	24.00

5250~5350MHz

Channel	Frequency(MHz)	PeakOutputPower (dBm)		Mimo	Limit(dBm)
		Ant1	Ant2		
Low	5260	15.45	15.99	18.74	24.00
Mid	5280	15.65	16.08	18.88	24.00
High	5320	15.95	15.51	18.75	24.00

5470~5725MHz

Channel	Frequency (MHz)	PeakOutputPower (dBm)		Mimo	Limit(dBm)
		Ant1	Ant2		
Low	5500	15.78	15.53	18.67	24.00
Mid	5580	15.32	15.75	18.55	24.00
High	5700	15.80	15.52	18.67	24.00

Testmode:IEEE802.11nHT40MHzmode5150~5250MHz

Channel	Frequency (MHz)	PeakOutputPower (dBm)		Mimo	Limit(dBm)
		Ant1	Ant2		
Low	5190	15.44	15.39	18.43	24.00
Mid	5230	15.95	15.94	18.96	24.00

5250~5350MHz

Channel	Frequency (MHz)	PeakOutputPower (dBm)		Mimo	Limit(dBm)
		Ant1	Ant2		
Low	5270	15.93	15.84	18.90	24.00
Mid	5310	15.71	15.62	18.68	24.00

5470~5725MHz

Channel	Frequency (MHz)	PeakOutputPower (dBm)		Mimo	Limit(dBm)
		Ant1	Ant2		
Low	5510	15.69	15.49	18.60	24.00
Mid	5550	15.07	15.91	18.52	24.00
High	5670	15.91	15.88	18.91	24.00

Testmode:IEEE802.11acHT20MHzmode5150~5250MHz

Channel	Frequency (MHz)	PeakOutputPower (dBm)		Mimo	Limit(dBm)
		Ant1	Ant2		
Low	5180	15.62	15.89	18.77	24.00
Mid	5220	15.65	15.94	18.81	24.00
High	5240	15.83	15.19	18.53	24.00

5250~5350MHz

Channel	Frequency (MHz)	Peak Output Power (dBm)		Mimo	Limit (dBm)
		Ant1	Ant2		
Low	5260	16.00	15.44	18.74	24.00
Mid	5280	15.17	15.57	18.38	24.00
High	5320	15.49	15.88	18.70	24.00

5470~5725MHz

Channel	Frequency (MHz)	PeakOutputPower (dBm)		Mimo	Limit (dBm)
		Ant1	Ant2		
Low	5500	15.39	15.76	18.59	24.00
Mid	5580	15.74	15.10	18.44	24.00
High	5700	15.59	15.83	18.72	24.00

Testmode:IEEE802.11acHT40MHzmode5150~5250MHz

Channel	Frequency (MHz)	PeakOutputPower (dBm)		Mimo	Limit (dBm)
		Ant1	Ant2		
Low	5190	15.59	15.45	18.53	24.00
Mid	5230	15.02	15.84	18.46	24.00

5250~5350MHz

Channel	Frequency (MHz)	PeakOutputPower (dBm)		Mimo	Limit (dBm)
		Ant1	Ant2		
Low	5270	15.93	15.92	18.94	24.00
Mid	5310	15.74	15.81	18.79	24.00

5470~5725MHz

Channel	Frequency(MHz)	PeakOutputPower (dBm)		Mimo	Limit (dBm)
		Ant1	Ant2		
Low	5510	15.74	15.69	18.73	24.00
Mid	5550	15.03	15.97	18.54	24.00
High	5670	15.84	15.88	18.87	24.00

Testmode:IEEE802.11acHT80MHzmode5150~5250MHz

Channel	Frequency (MHz)	PeakOutputPower (dBm)		Mimo	Limit (dBm)
		Ant1	Ant2		
	5210	14.13	14.91	17.55	24.00

5250~5350MHz

Channel	Frequency (MHz)	PeakOutputPower (dBm)		Mimo	Limit(dBm)
		Ant1	Ant2		
	5290	14.62	14.65	17.65	24.00

5470~5725MHz

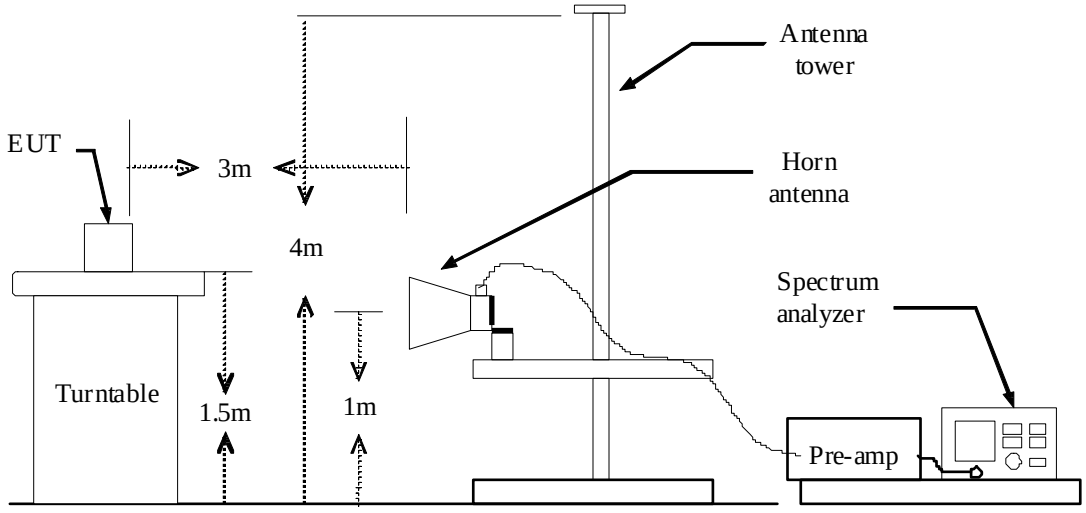
Channel	Frequency (MHz)	PeakOutputPower (dBm)		Mimo	Limit(dBm)
		Ant1	Ant2		
	5530	14.06	14.73	17.42	24.00

6.4 BAND EDGES MEASUREMENT

LIMIT

According to §15.407(b),
(1) The provisions of Section 15.205 ofthispartapply to intentional radiatorsoperating under this section.
(2) When measuring the emission limits, the nominalcarrier frequency shall be adjusted as close to the upper and lower frequency block edges asthe design of the equipment permits.

TestConfiguration



TESTPROCEDURE

1. The EUTis placed on a turntable, which is 1.5m above the ground plane.
2. The turntable shall be rotated for 360degrees to determine the position of maximum emission level.
3. EUTisset3mawayfromthereceivingantenna,whichisvariedfrom1mto4mtofindoutthehighest emission.
4. Set the spectrum analyzerin the following setting in order to capture the lowerand upper band-edges of the emission:
   (a) PEAK: RBW=VBW=1MHz / Sweep=AUTO
   (b) AVERAGE: RBW=1MHz / Sweep=AUTO

   VBW=10Hz,whenduty cycle is no less than 98 percent.

   VBW≧1/T,whenduty cycle is less than98 percent,whereTis the minimum transmissiondurationoverwhichthetransmitterisonandistransmittingatitsmaximun power control level for the tested mode of operation.

Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
IEEE 802.11 a	100	-	-	10Hz
IEEE 802.11n HT20	100	-	-	10Hz
IEEE 802.11n HT20	100	-	-	10Hz

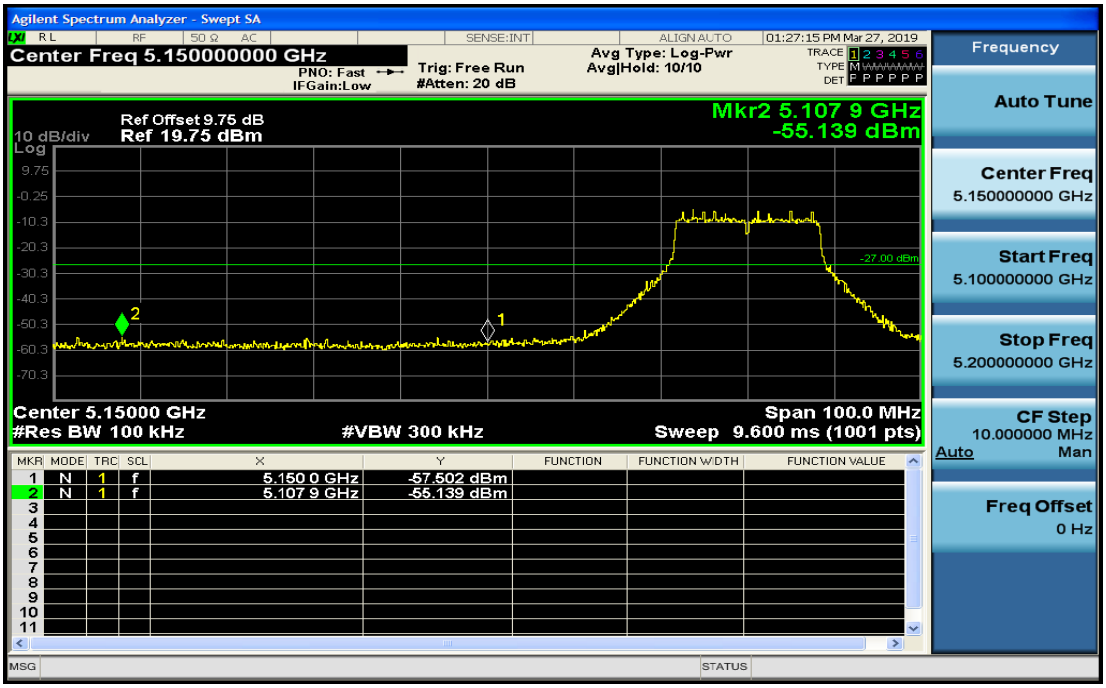
TESTRESULTS

Refer to attachspectrumanalyzerdatachart.

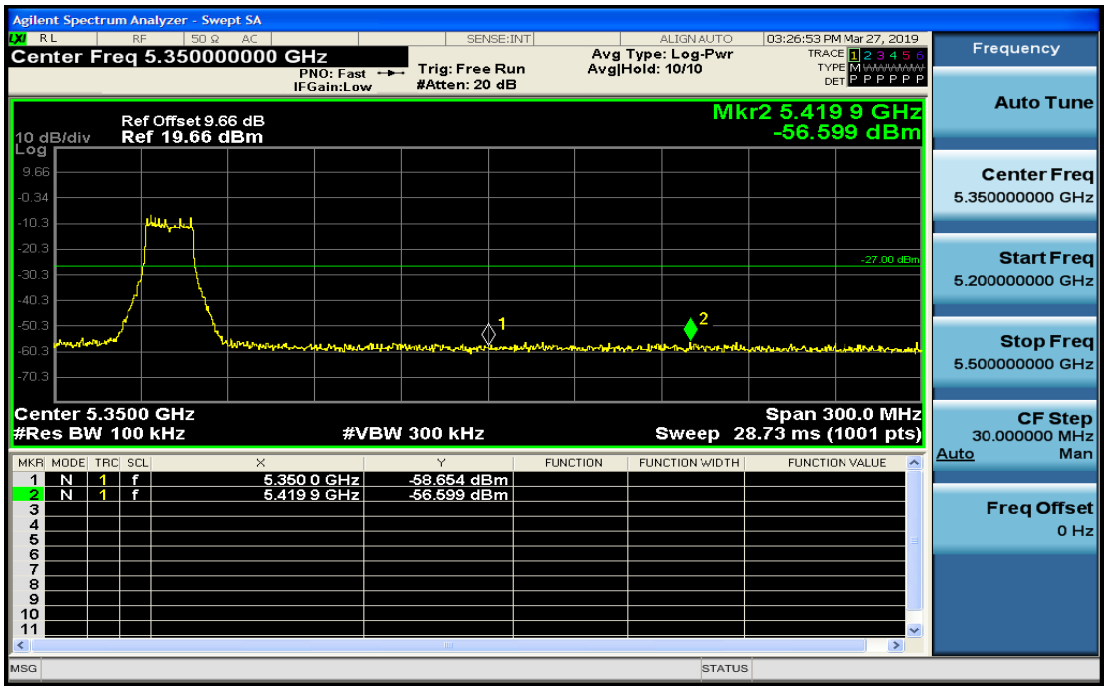
Antenna1

Band Edges(IEEE802.11amode)

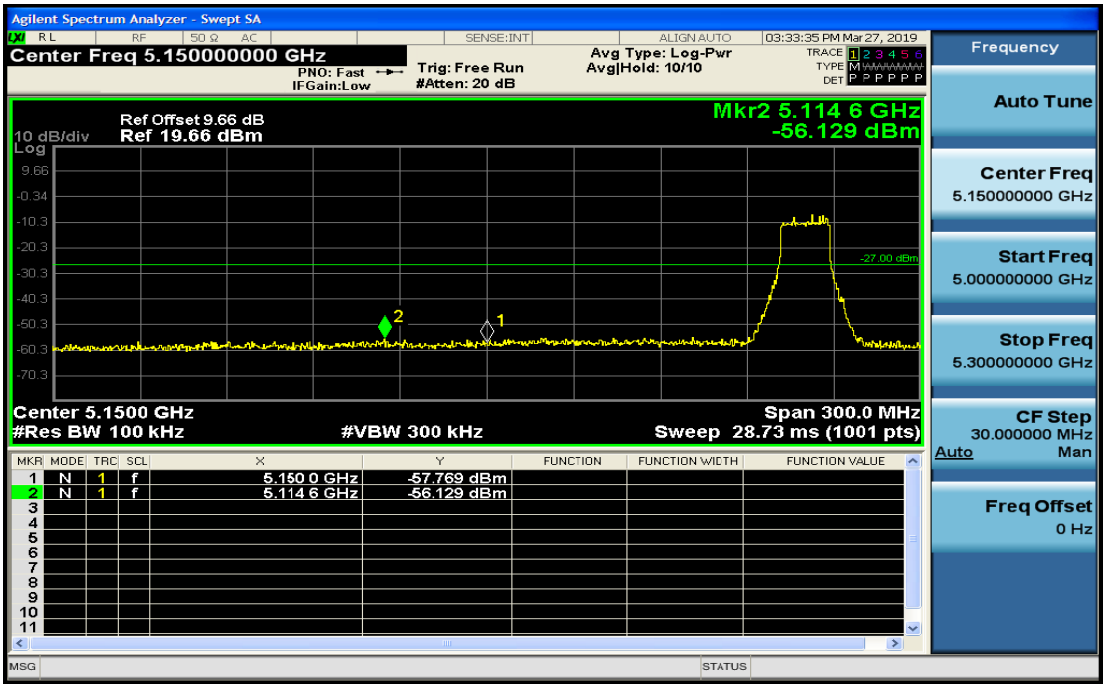
5180MHz



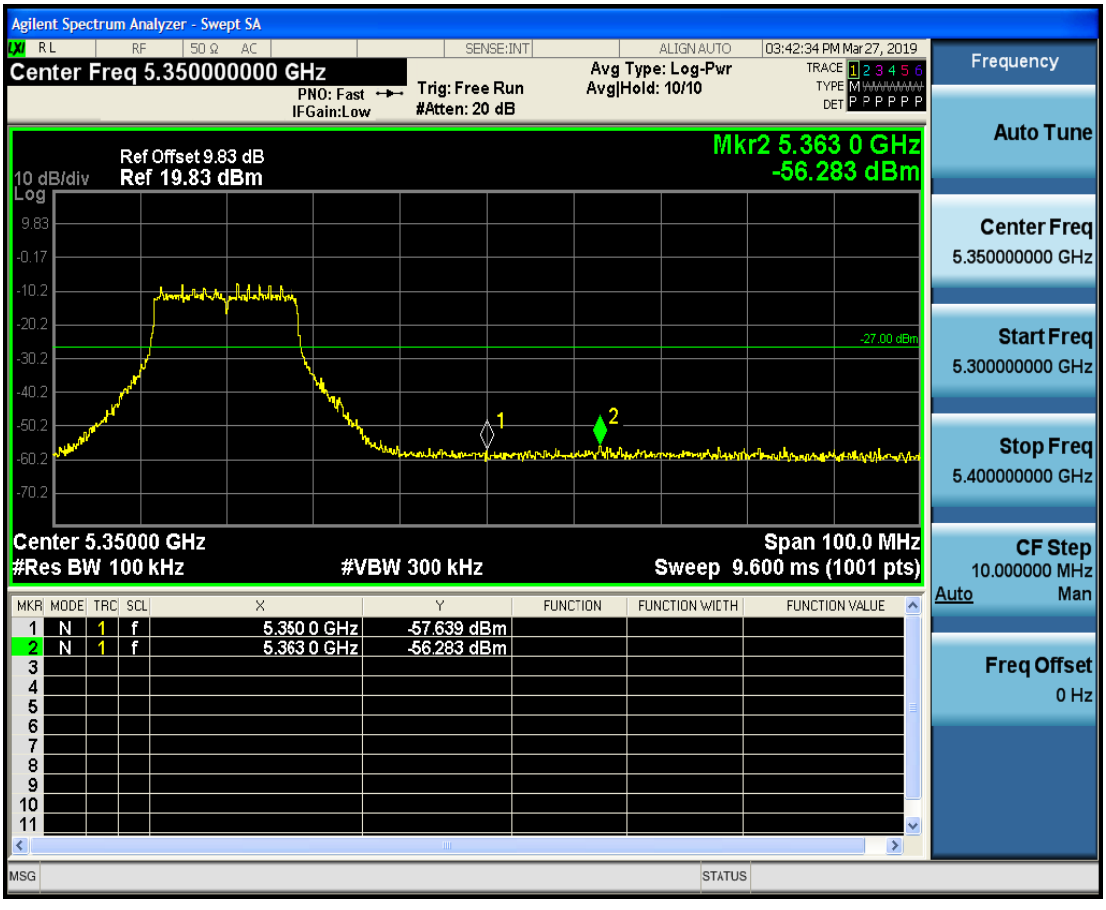
5240MHz



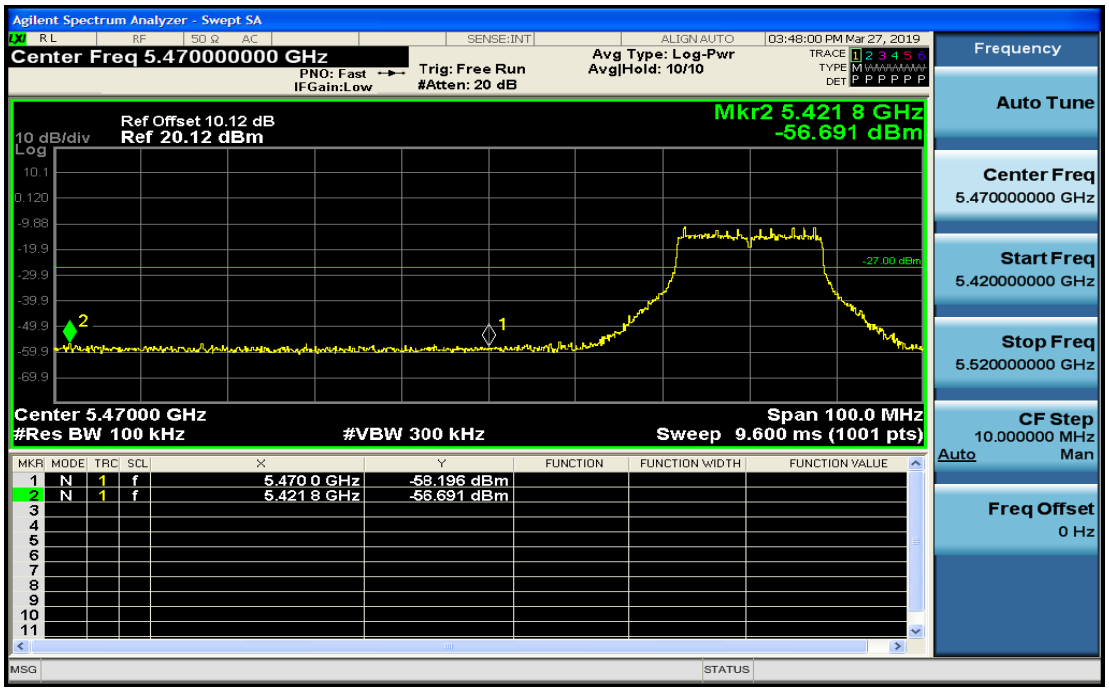
5260MHz



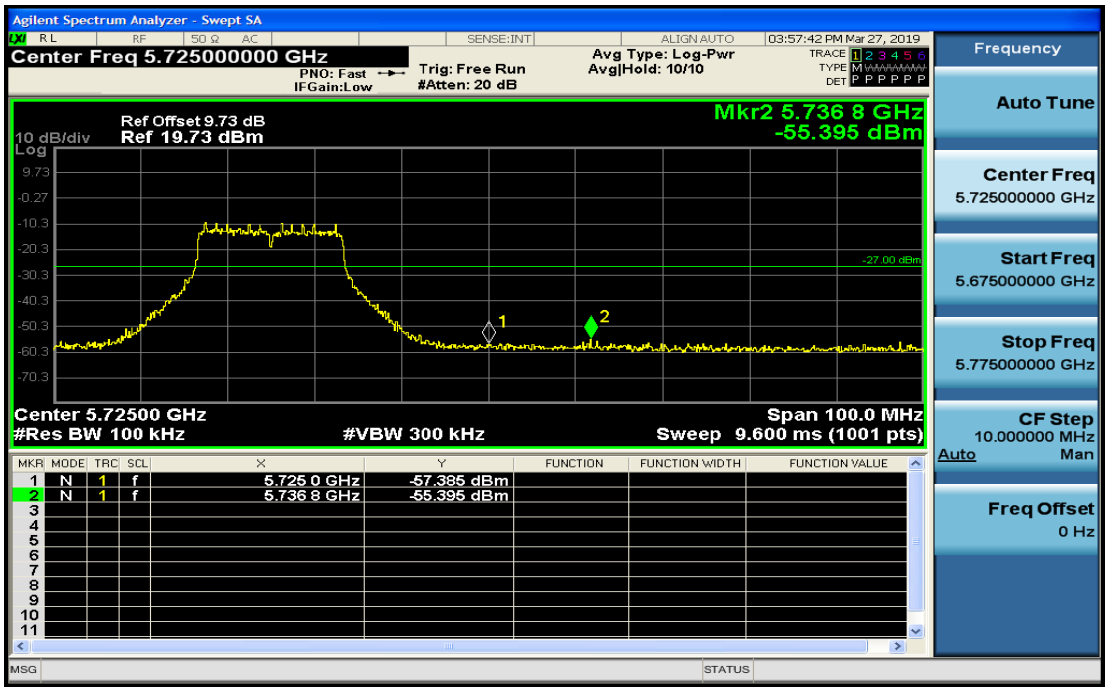
5320MHz



5500MHz

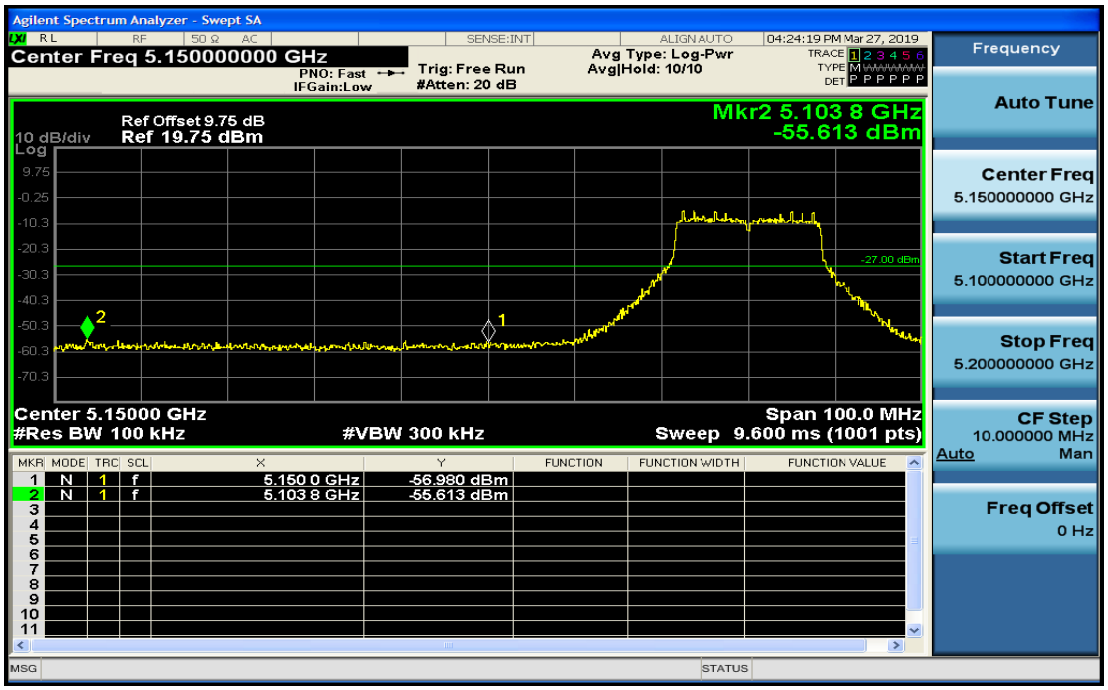


5700MHz

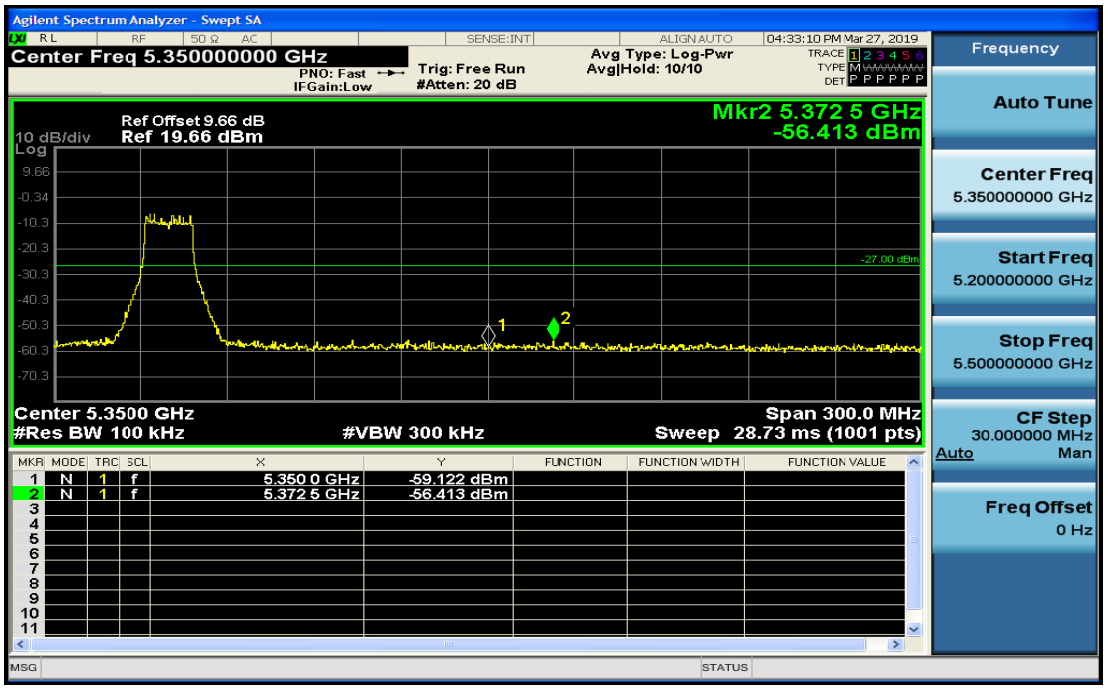


BandEdges(IEEE802.11nHT20mode)

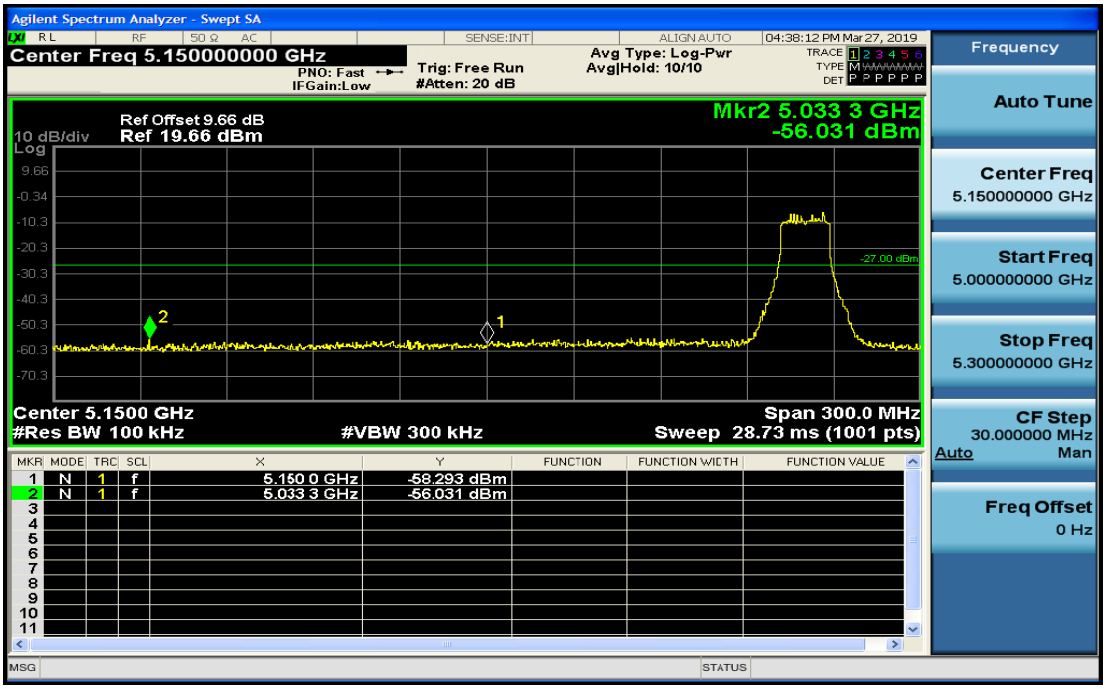
5180MHz



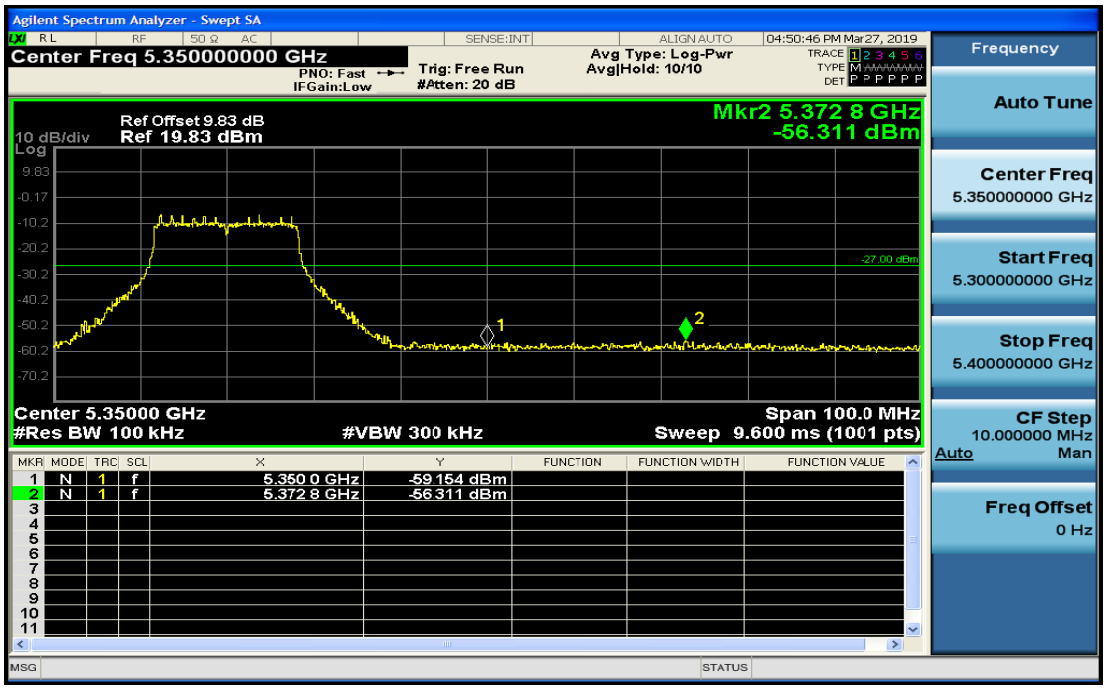
5240MHz



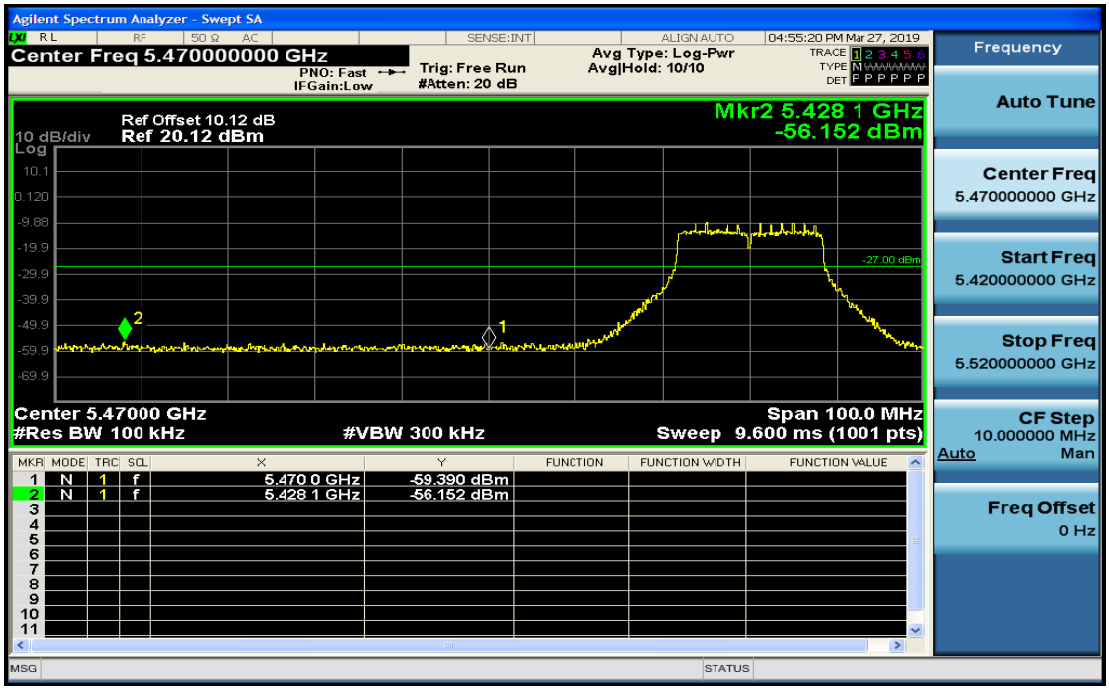
5260MHz



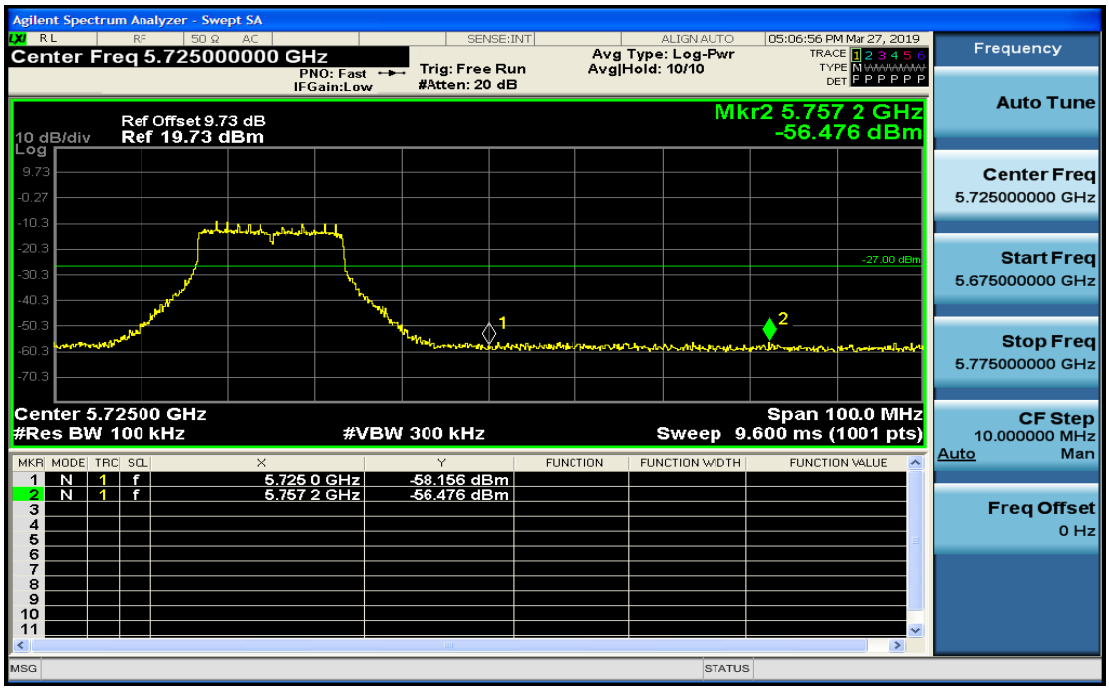
5320MHz



5500MHz

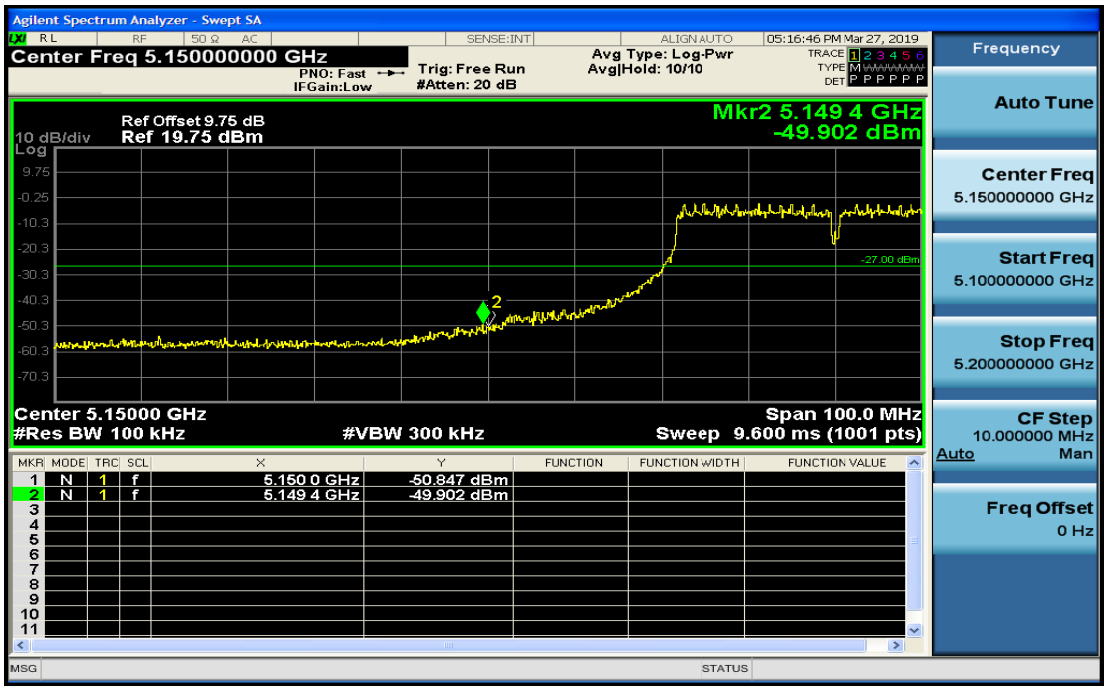


5700MHz

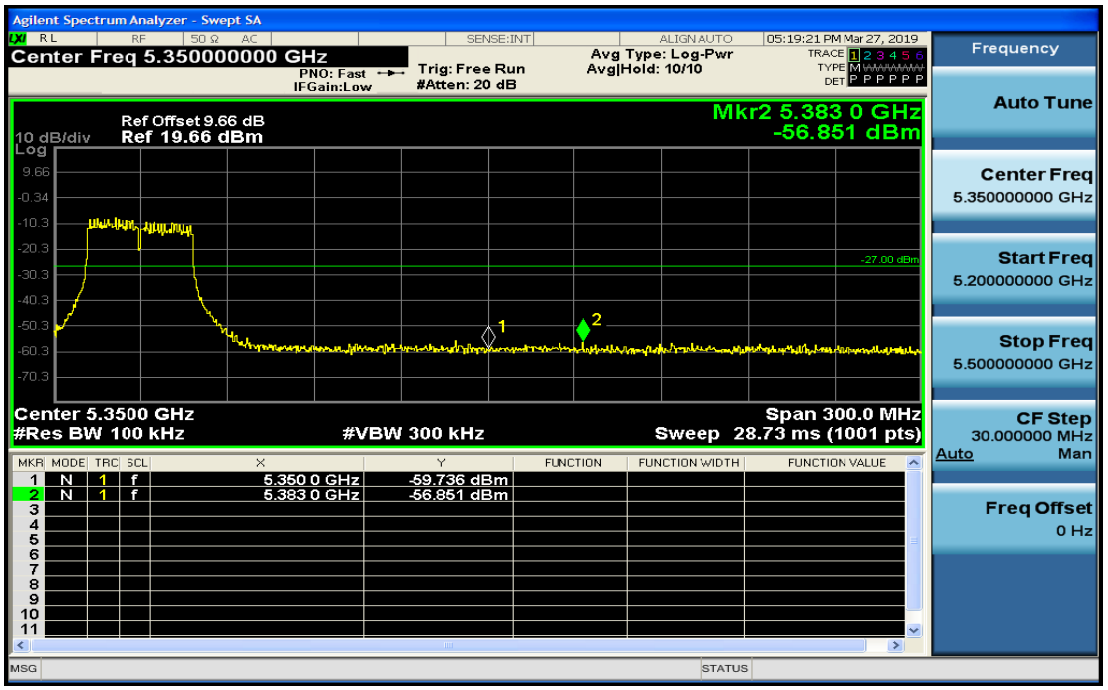


BandEdges(IEEE802.11nHT40mode)

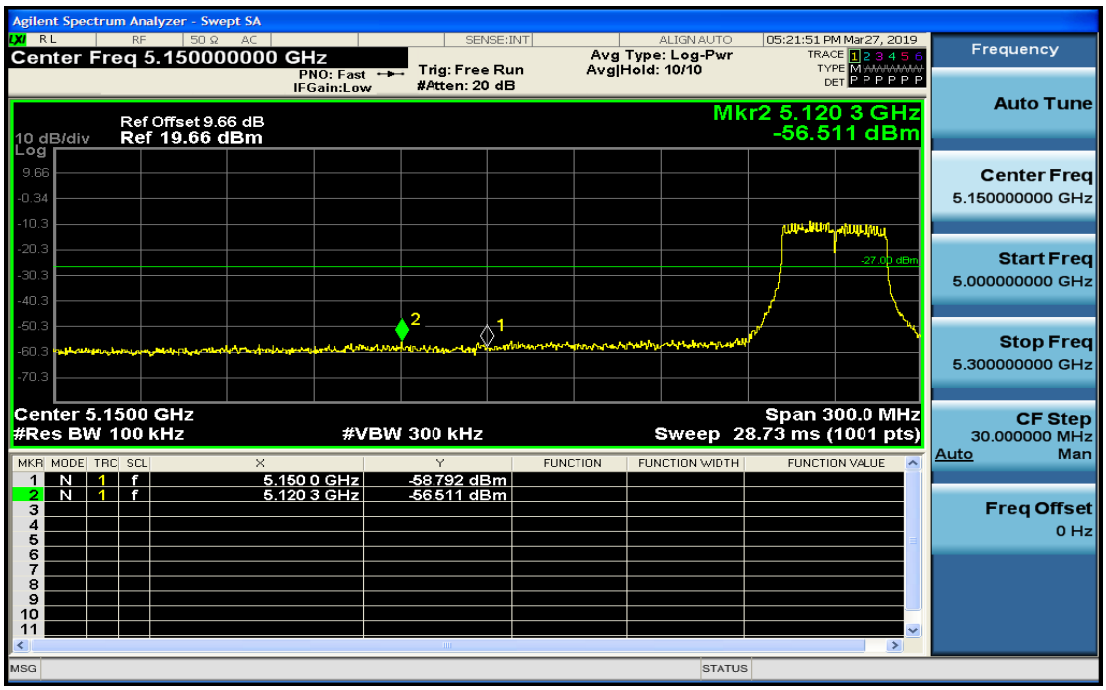
5190MHz



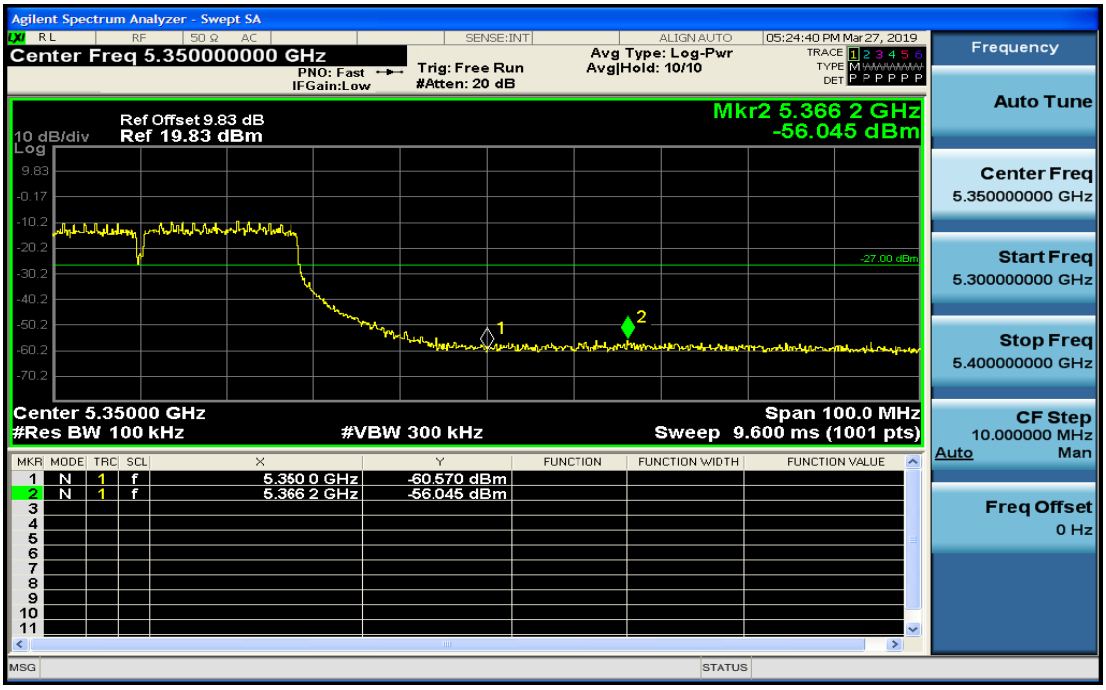
5230MHz



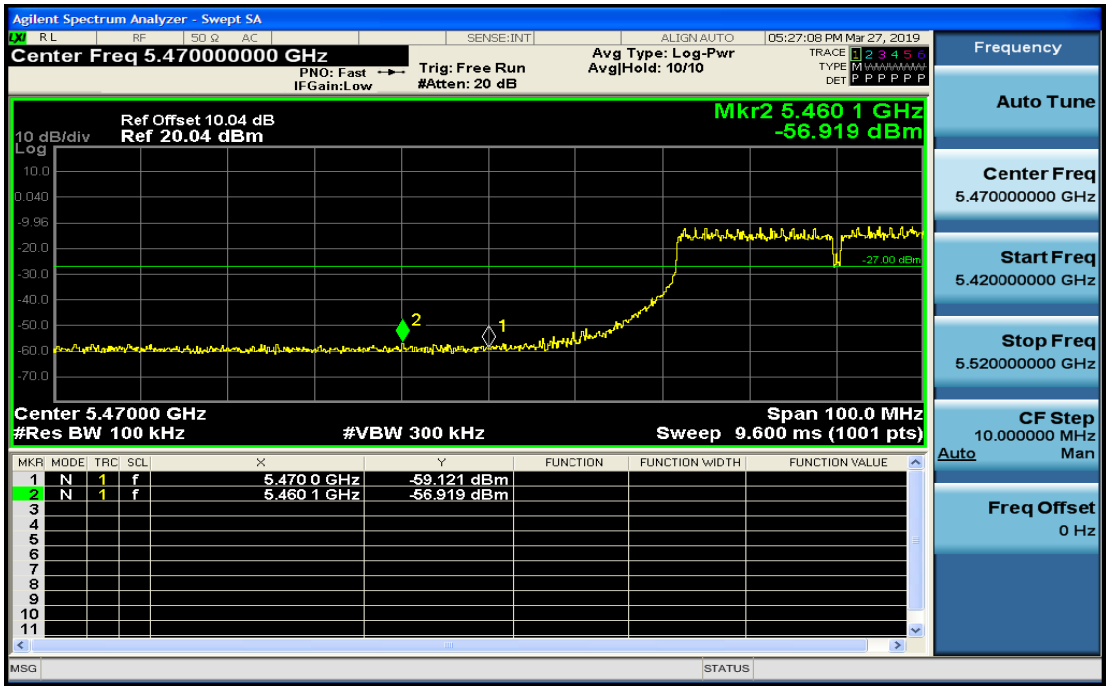
5270MHz



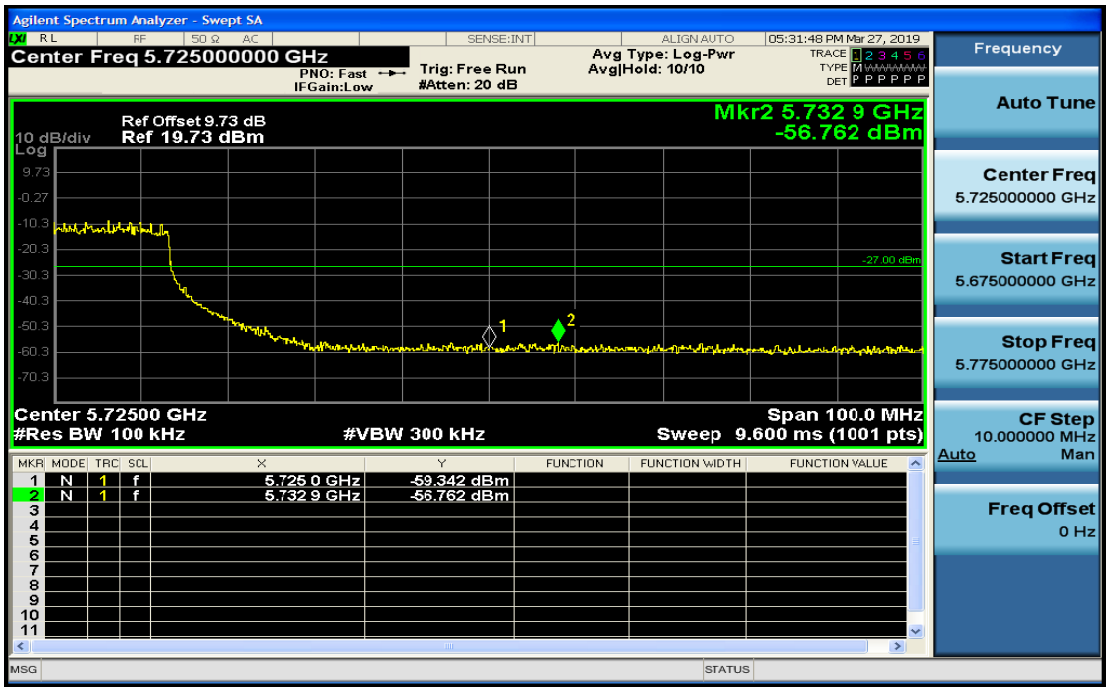
5310MHz



5510MHz

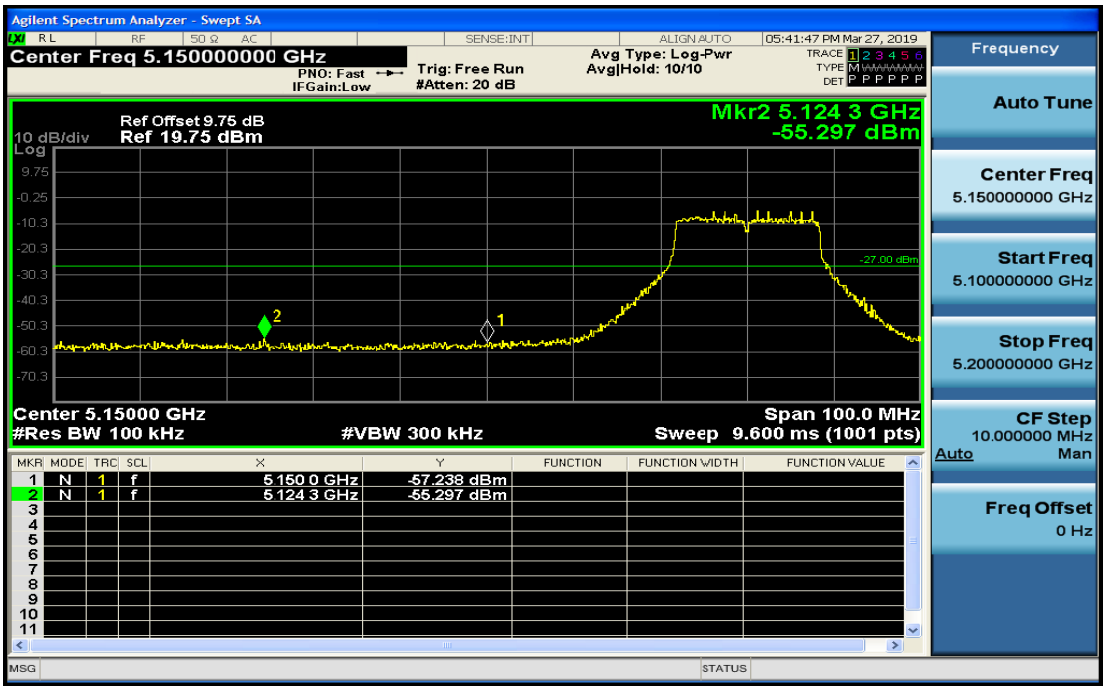


5670MHz

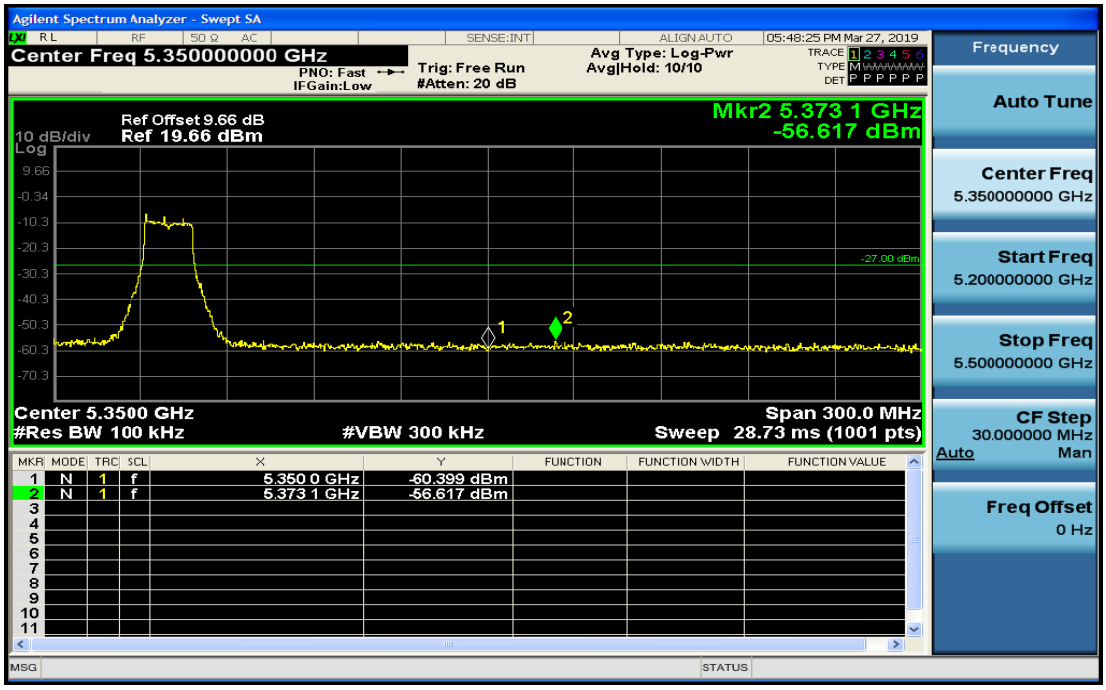


BandEdges(IEEE802.11acHT20mode)

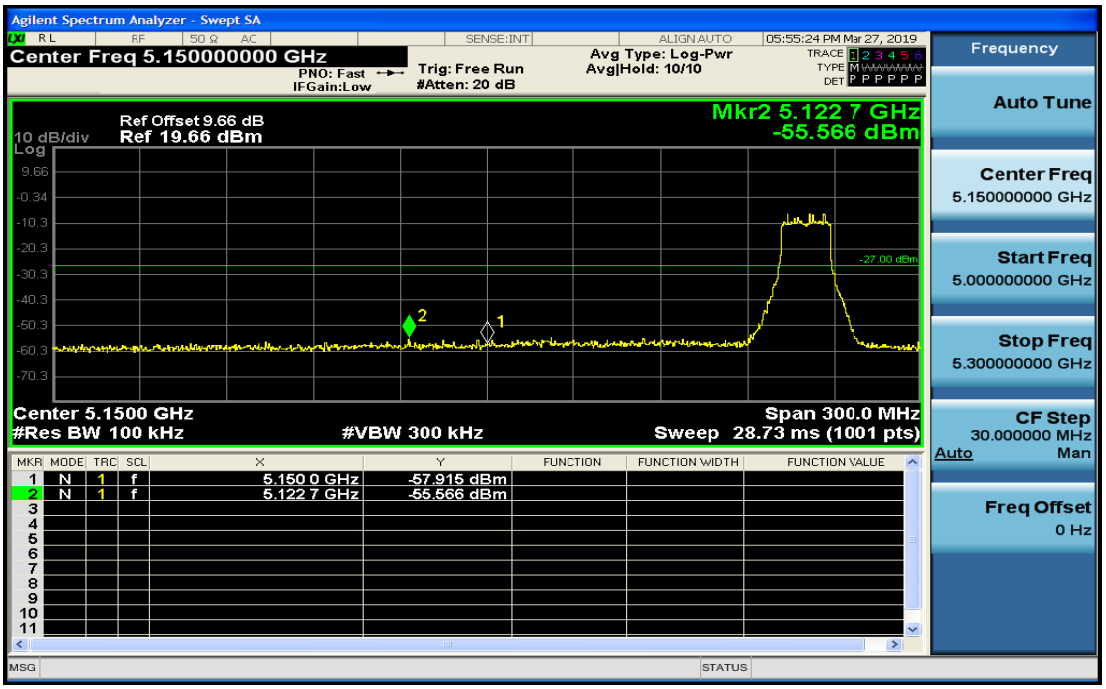
5180MHz



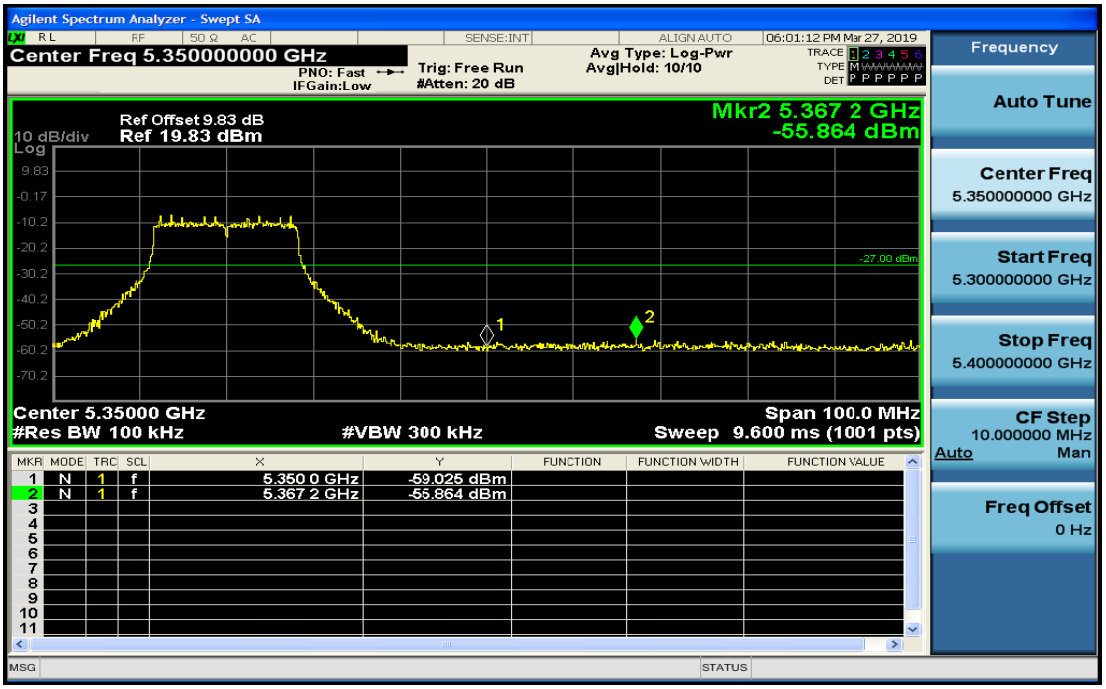
5240MHz



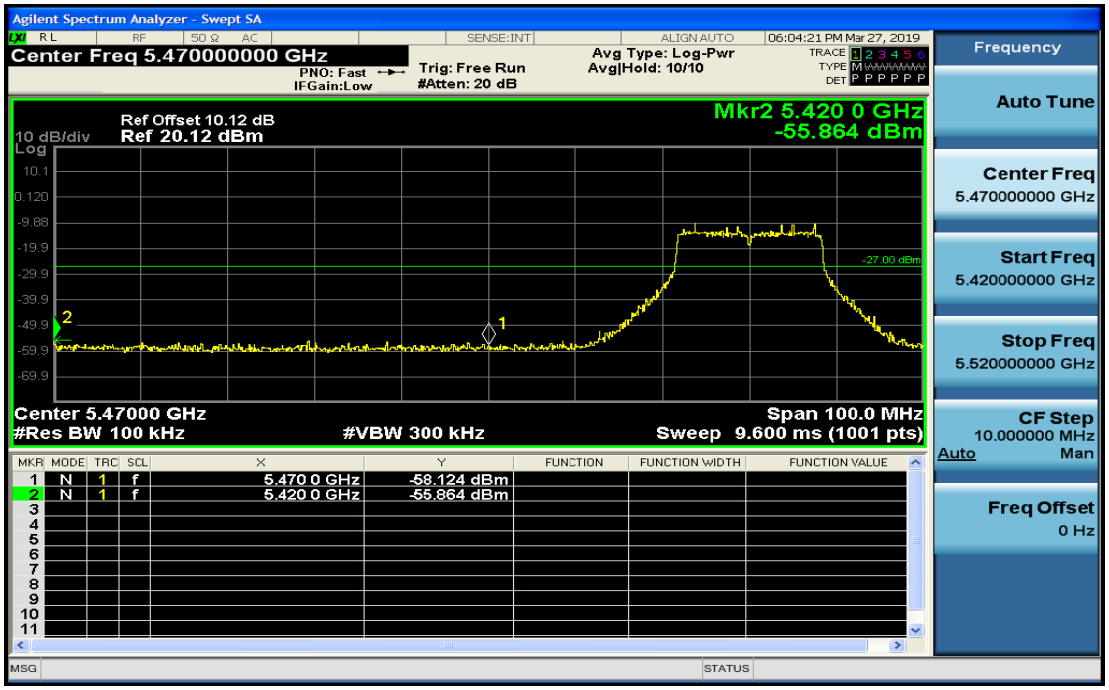
5260MHz



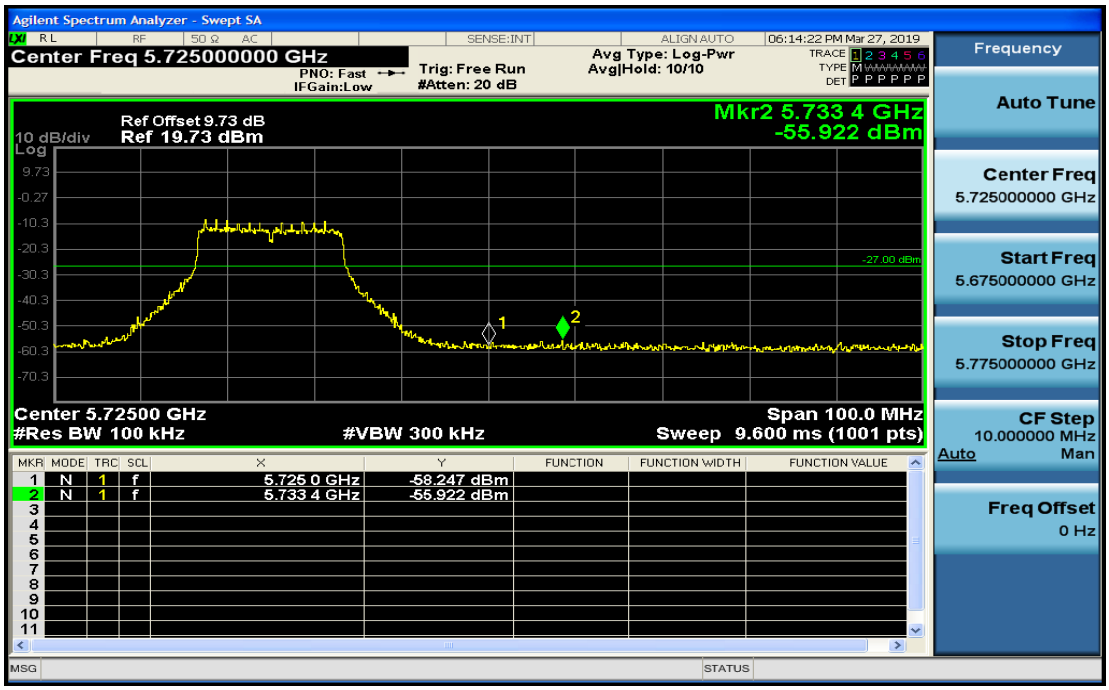
5320MHz



5500MHz

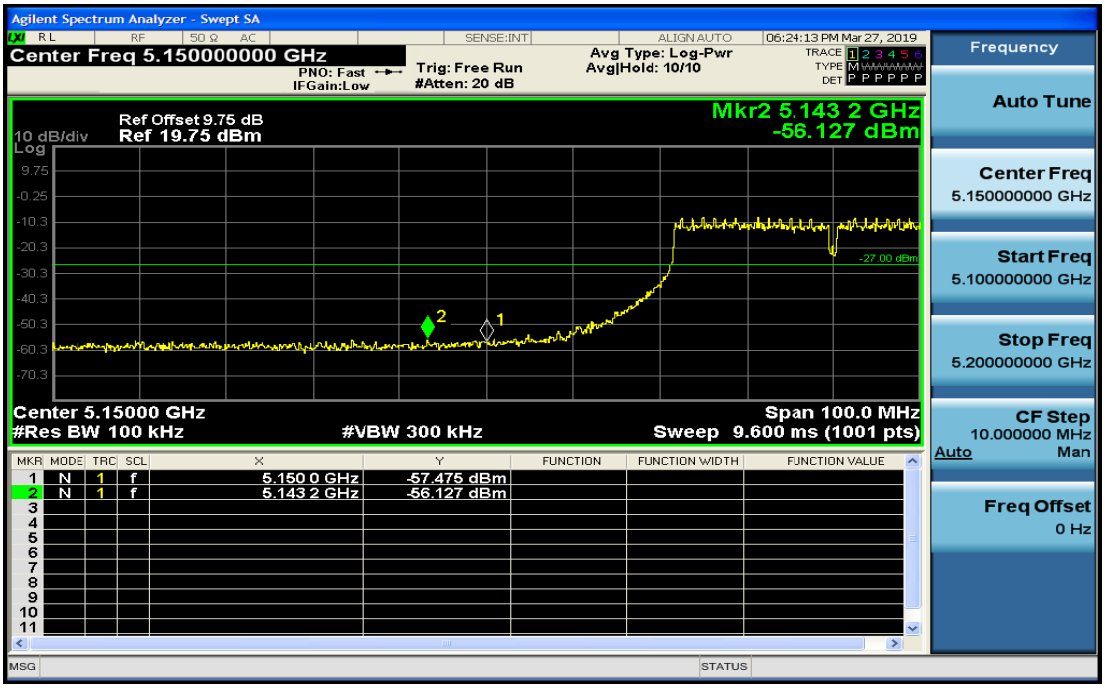


5700MHz

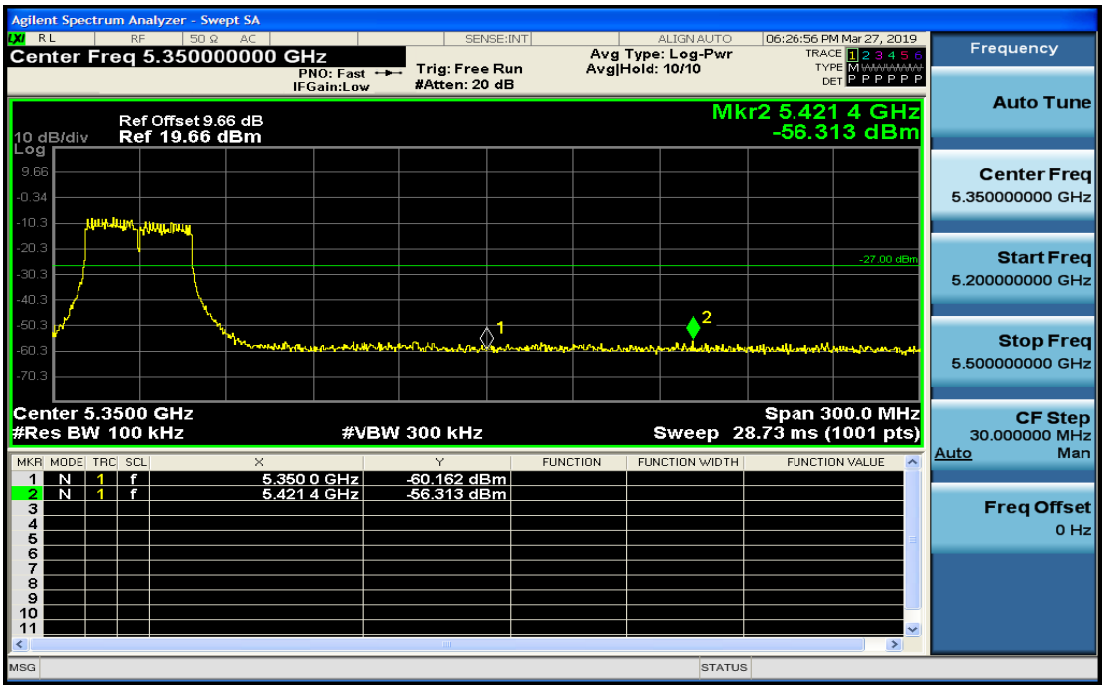


BandEdges(IEEE802.11acHT40mode)

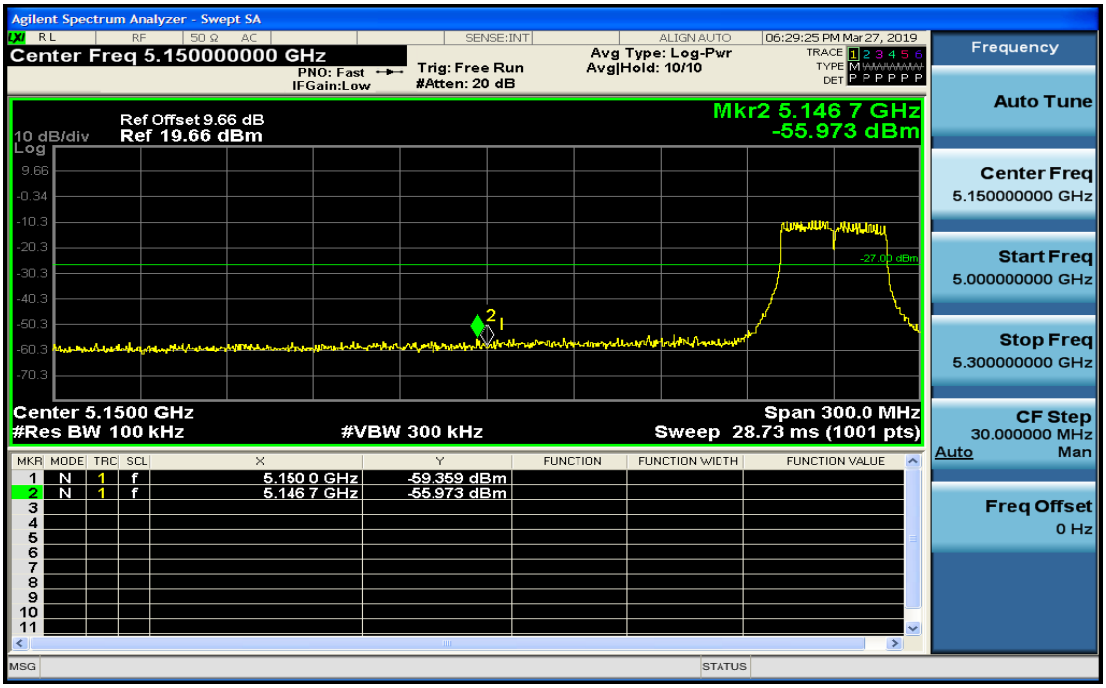
5190MHz



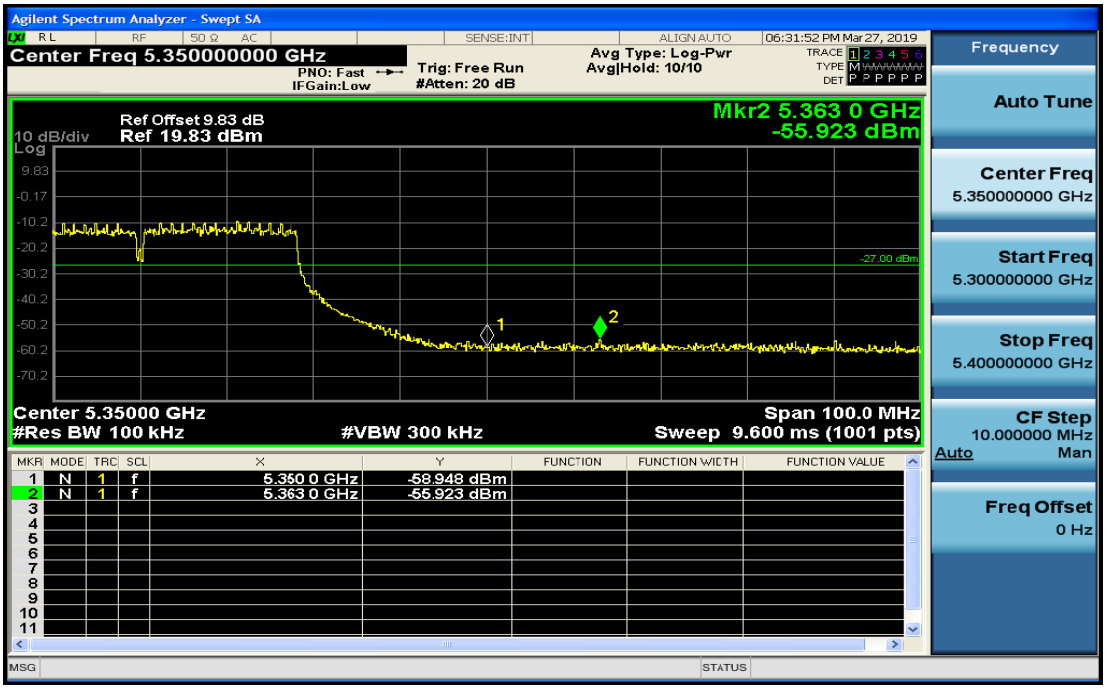
5230MHz



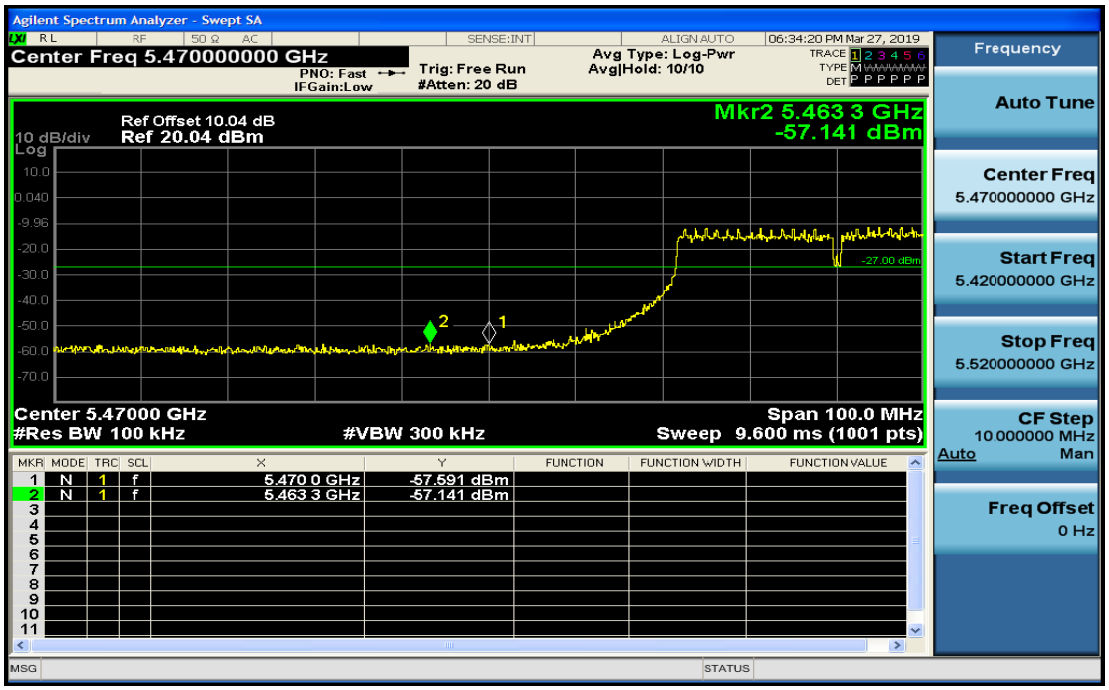
5270MHz



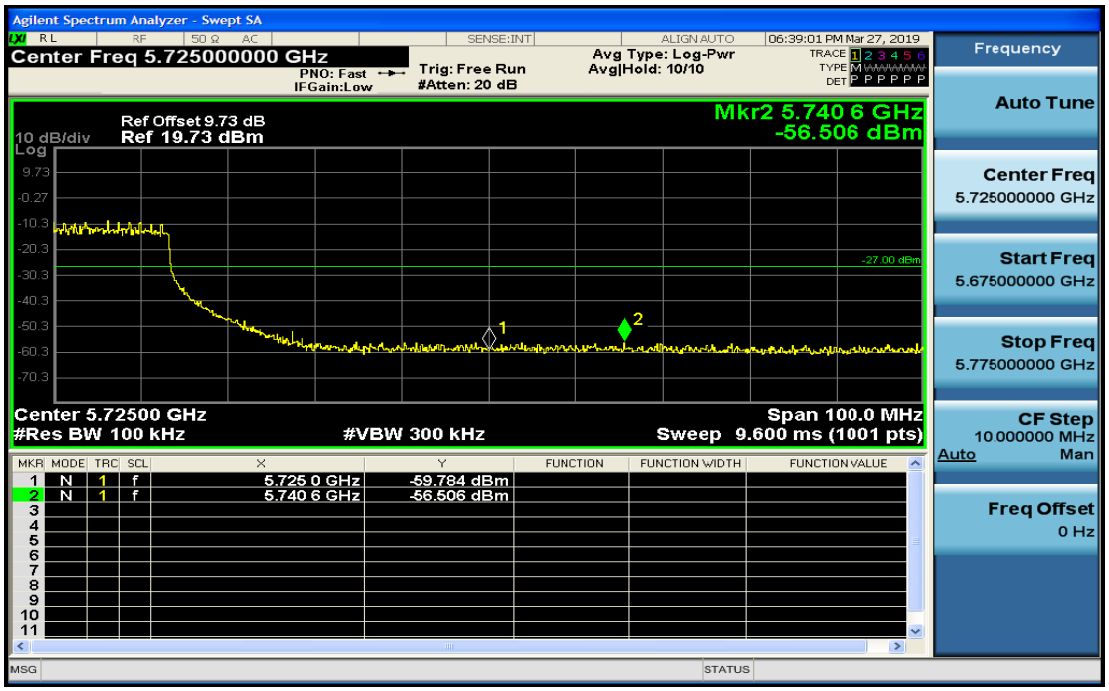
5310MHz



5510MHz

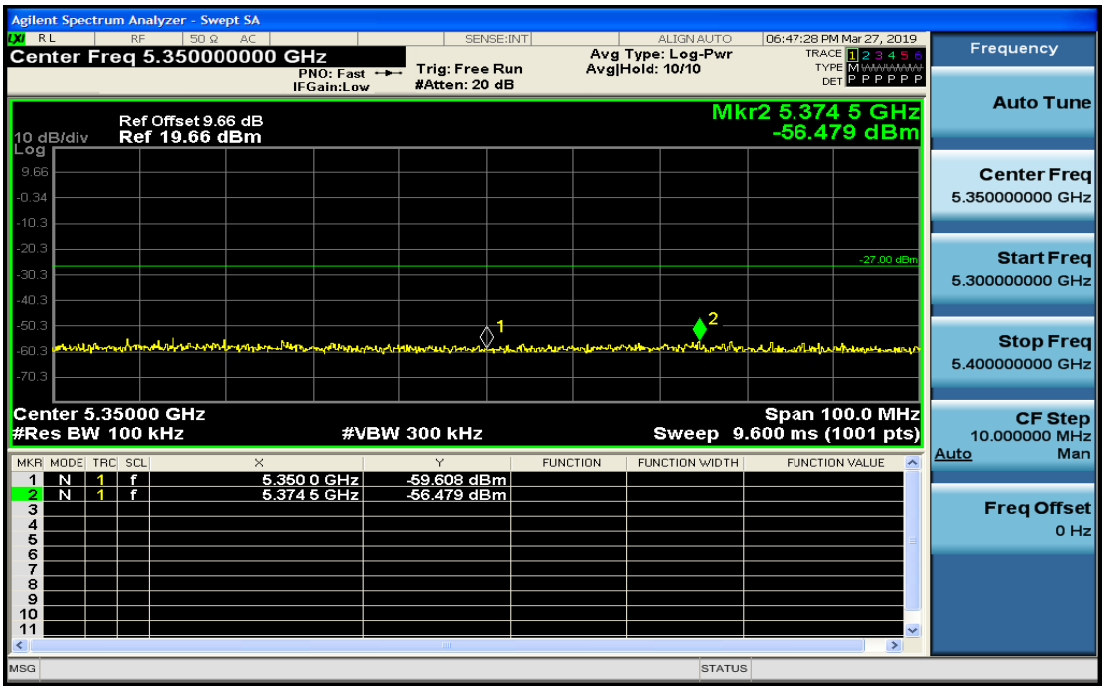


5670MHz

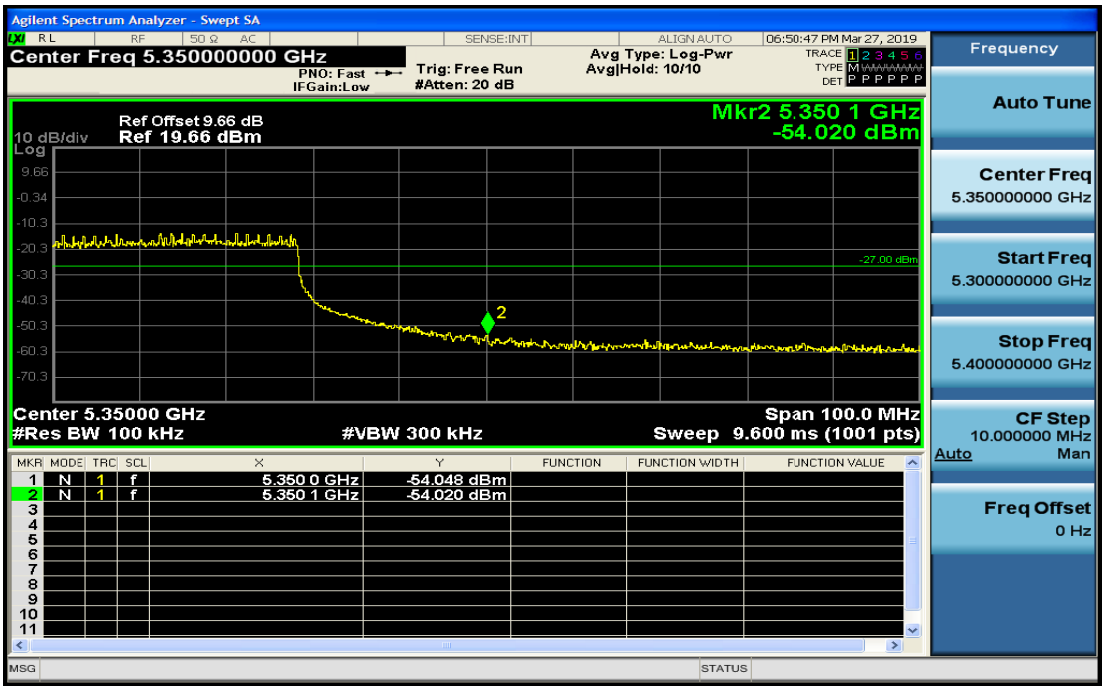


BandEdges(IEEE802.11acHT80mode)

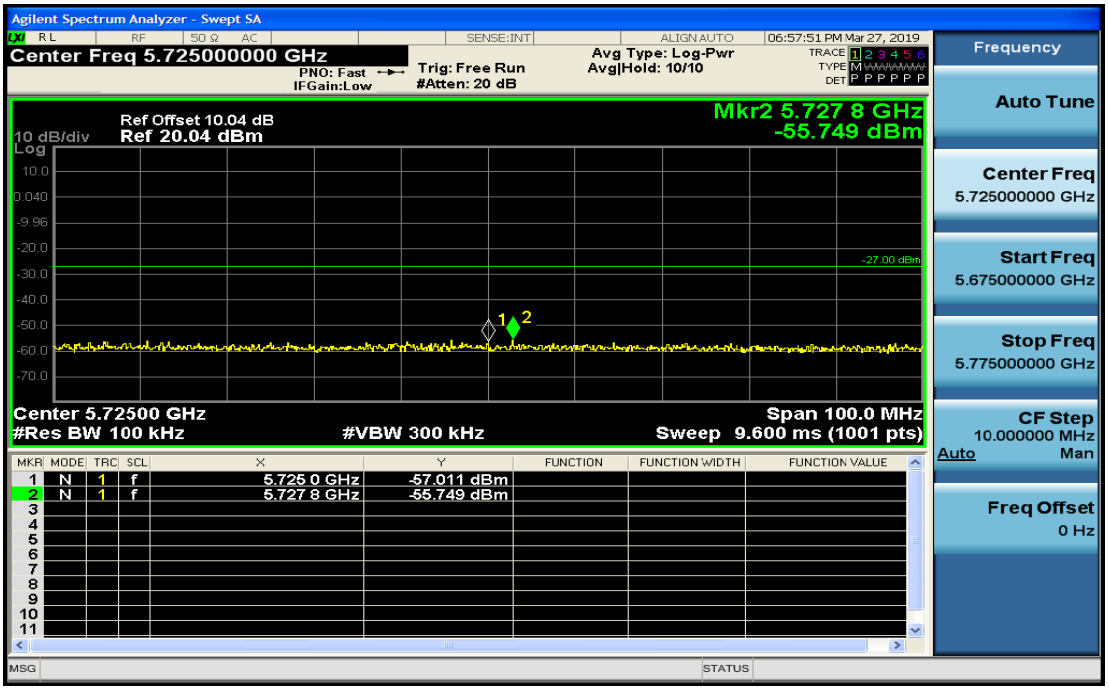
5210MHz



5290MHz



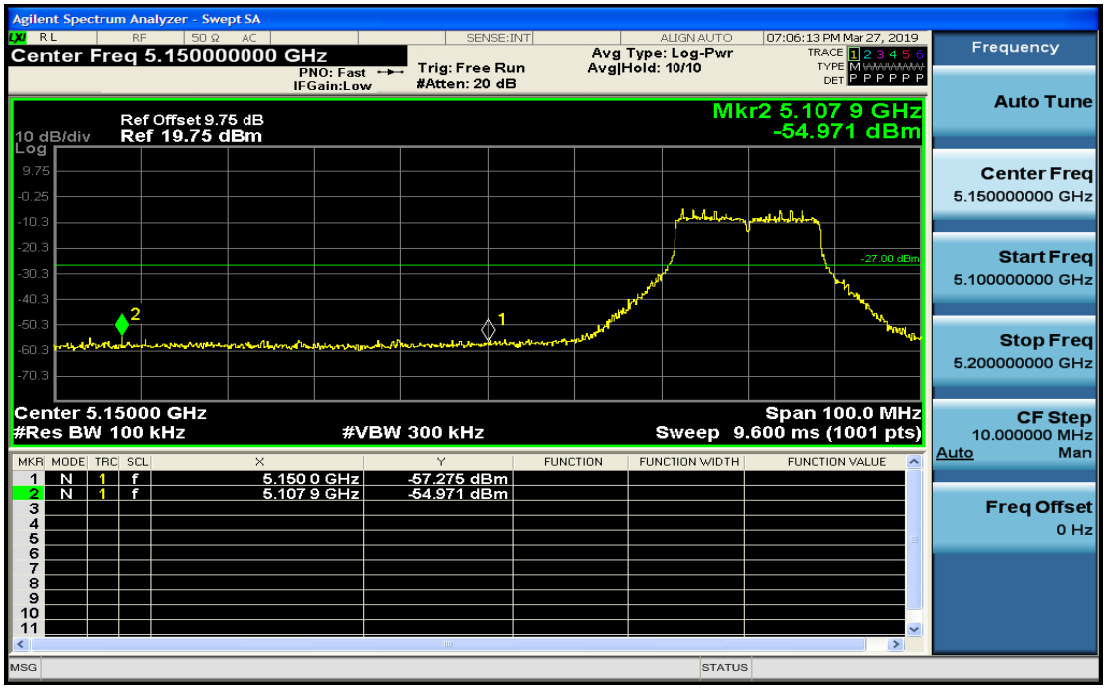
5530MHz


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.725000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 10/10
06:57:51 PM Mar 27, 2019
Ref Offset 10.04 dB
10 dB/div
Ref 20.04 dBm
Mkr2 5.727 8 GHz
-55.749 dBm
-27.00 dBm
Center 5.72500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 9.600 ms (1001 pts)
1 N 1 f 5.725 0 GHz -57.011 dBm
2 N 1 f 5.727 8 GHz -55.749 dBm
Frequency
Auto Tune
Center Freq
5.725000000 GHz
Start Freq
5.675000000 GHz
Stop Freq
5.775000000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz

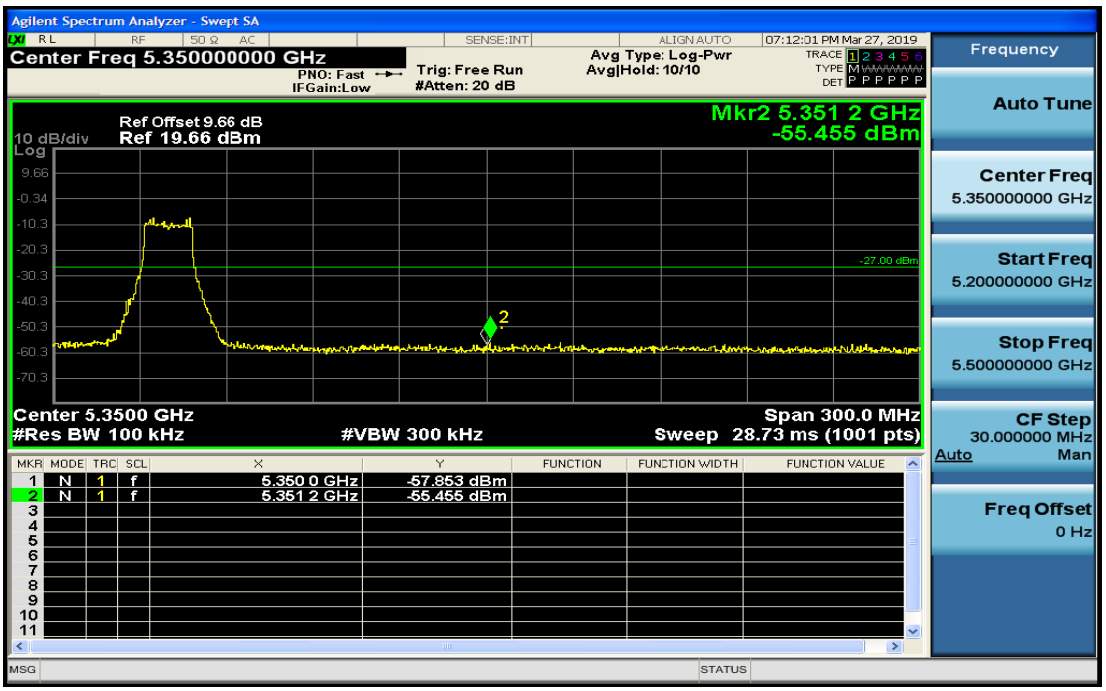
Antenna2

BandEdges(IEEE802.11amode)

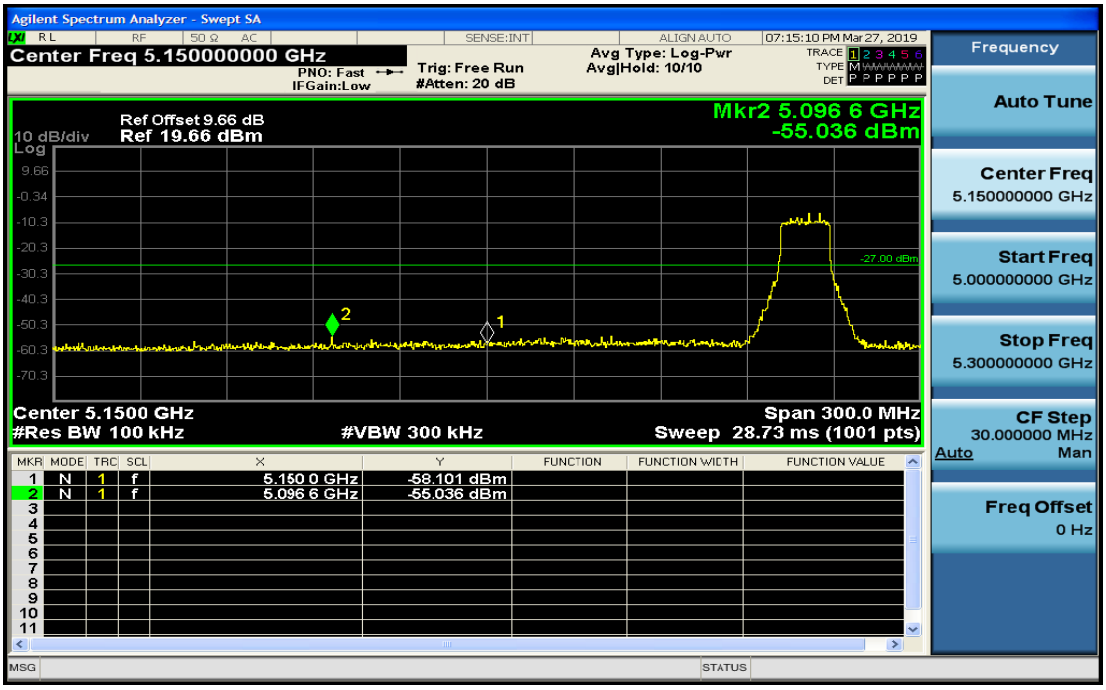
5180MHz



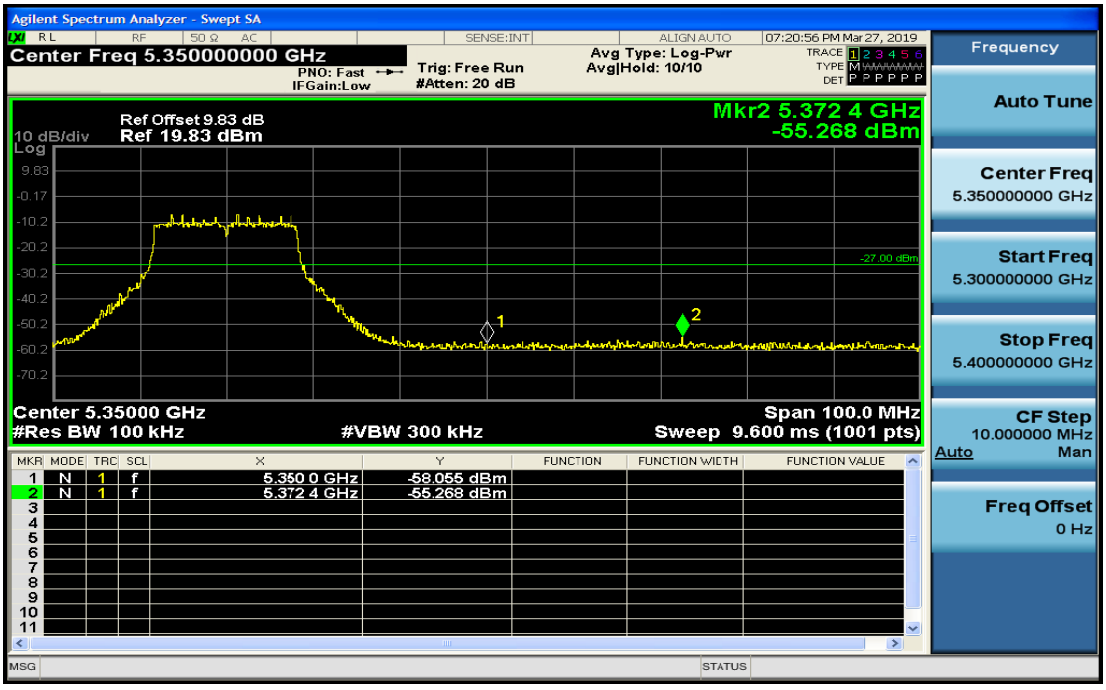
5240MHz



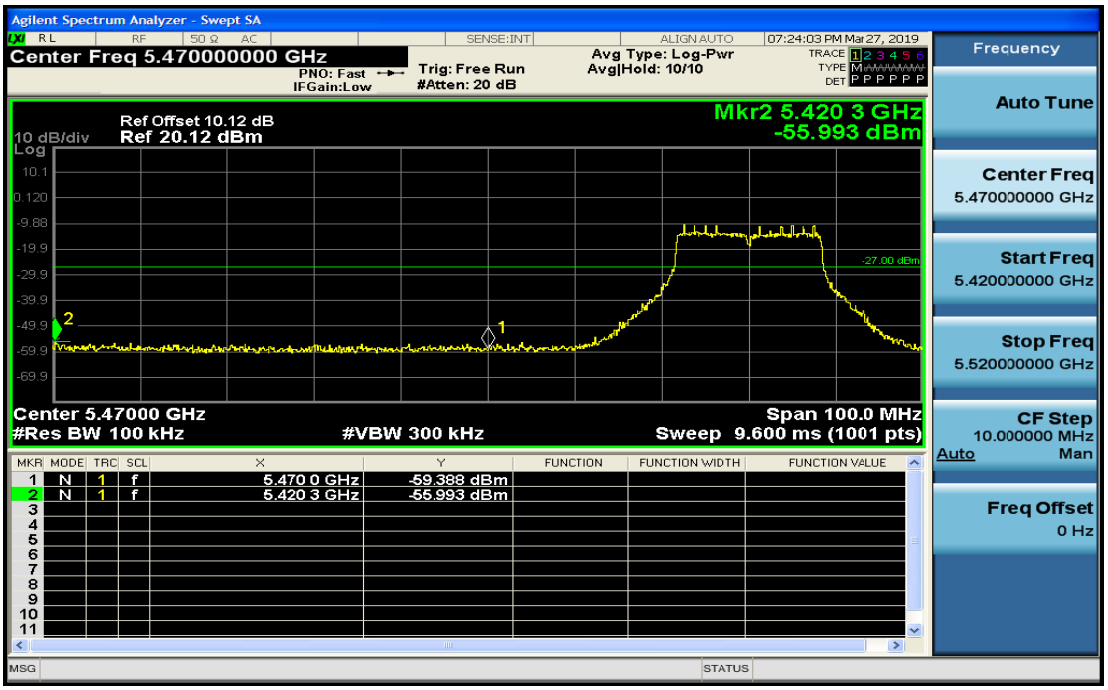
5260MHz



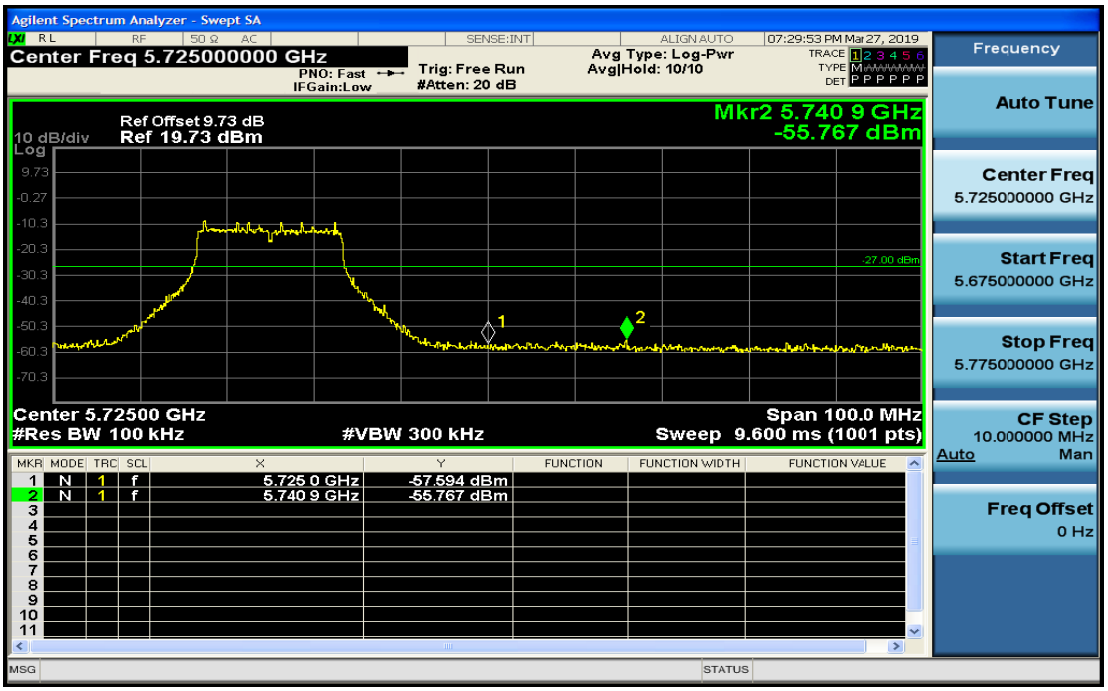
5320MHz



5500MHz

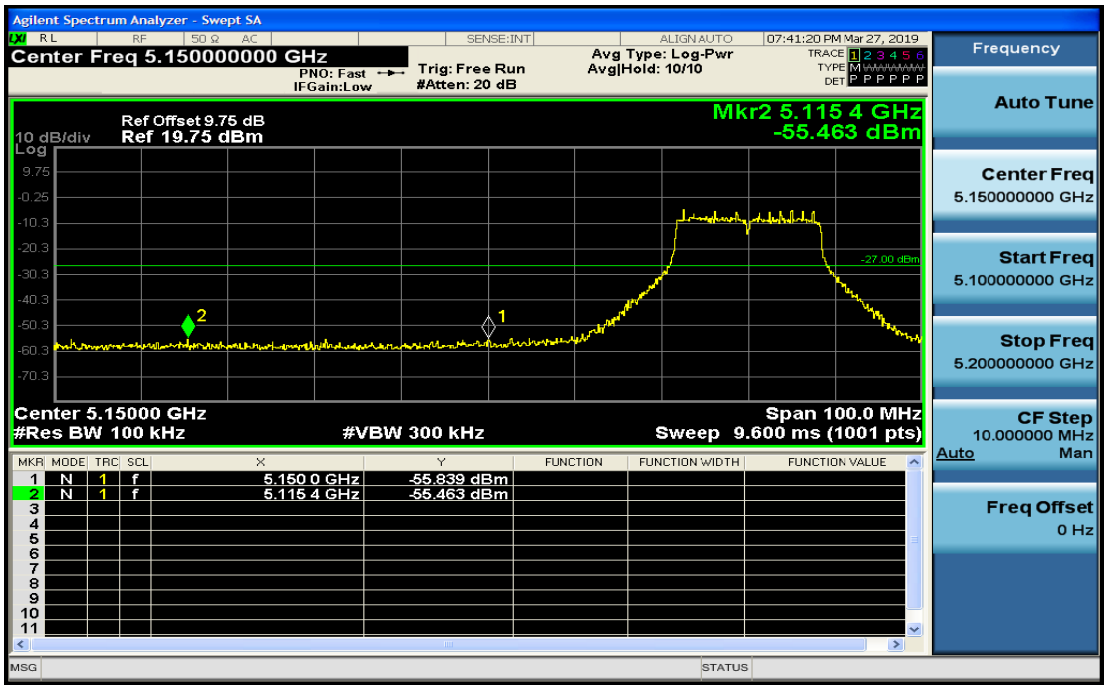


5700MHz

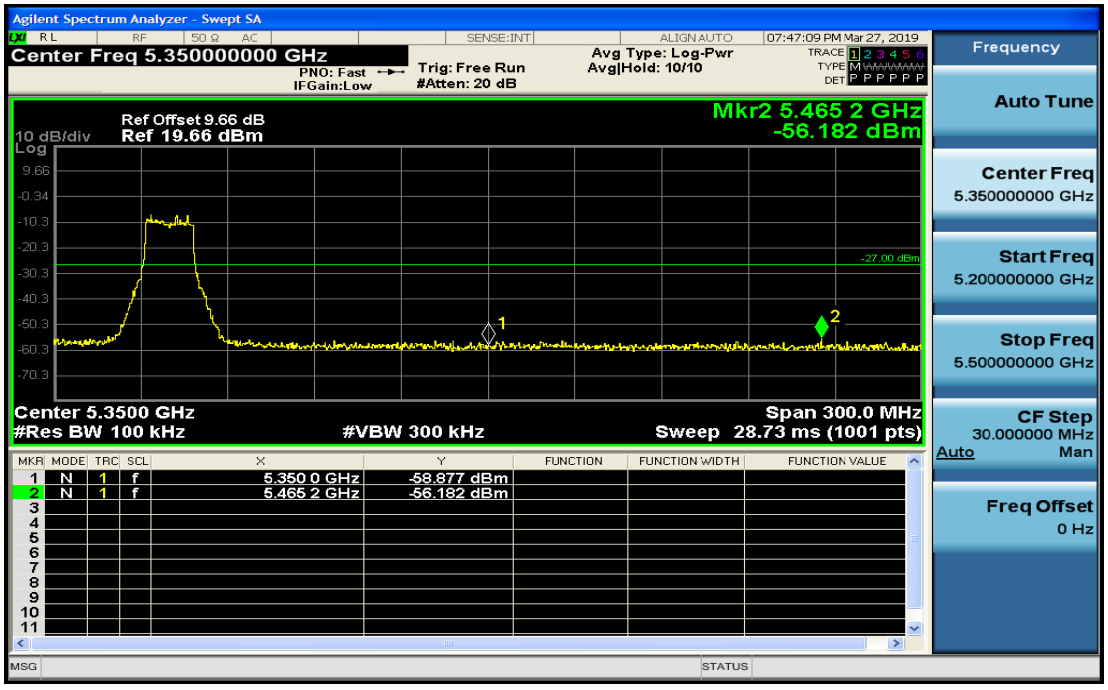


BandEdges(IEEE802.11nHT20mode)

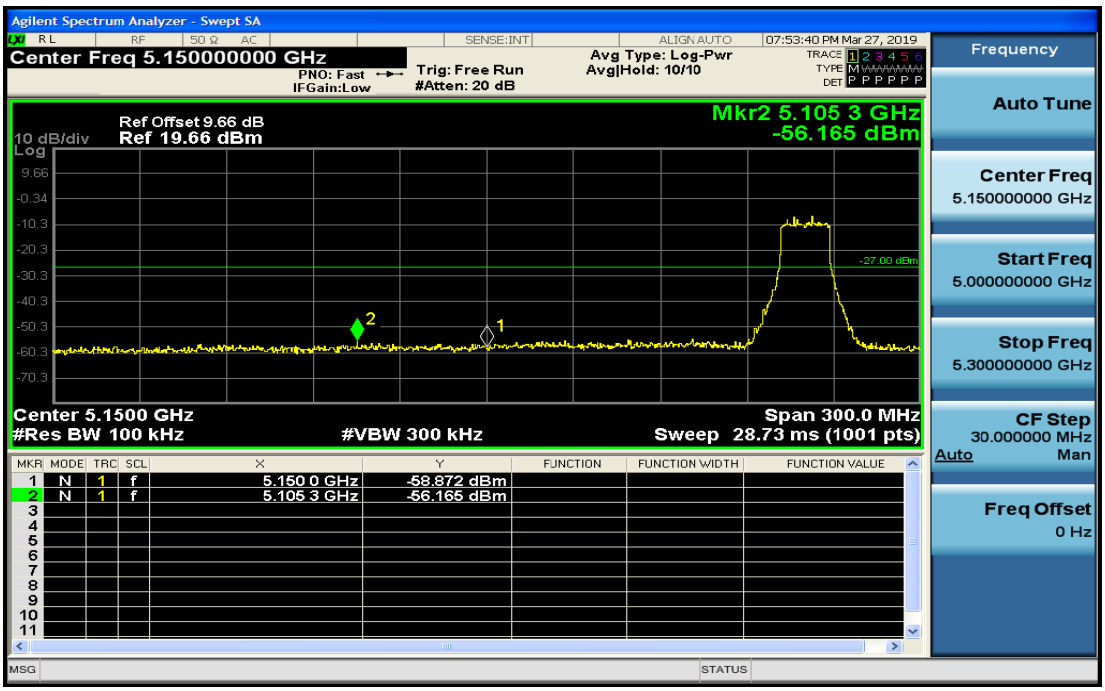
5180MHz



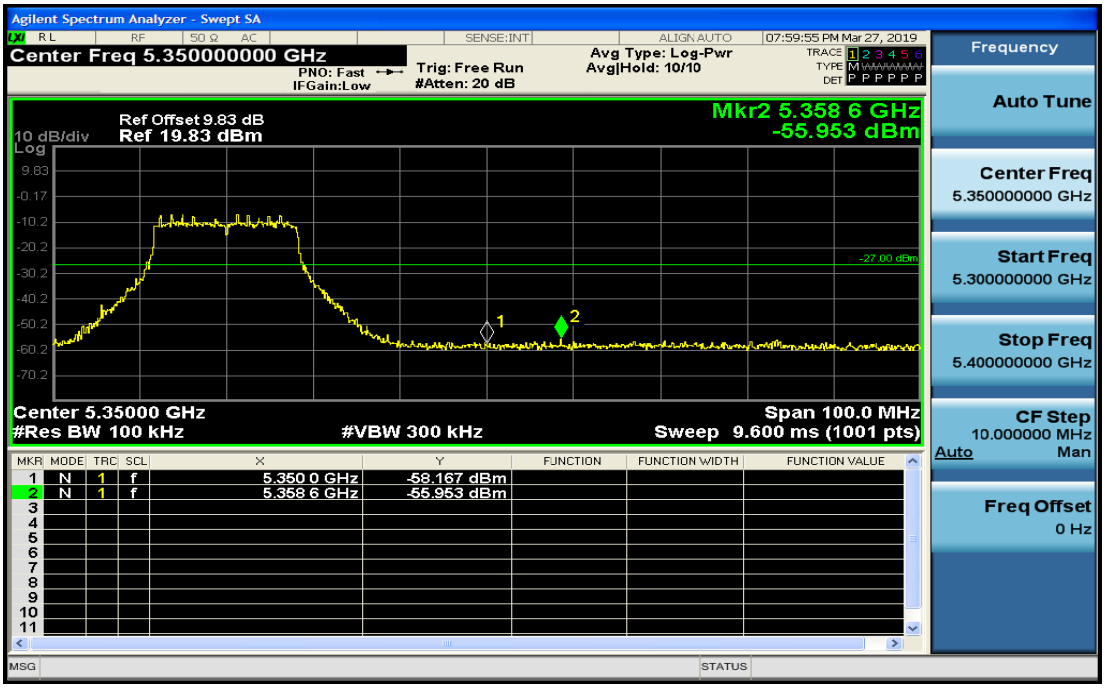
5240MHz



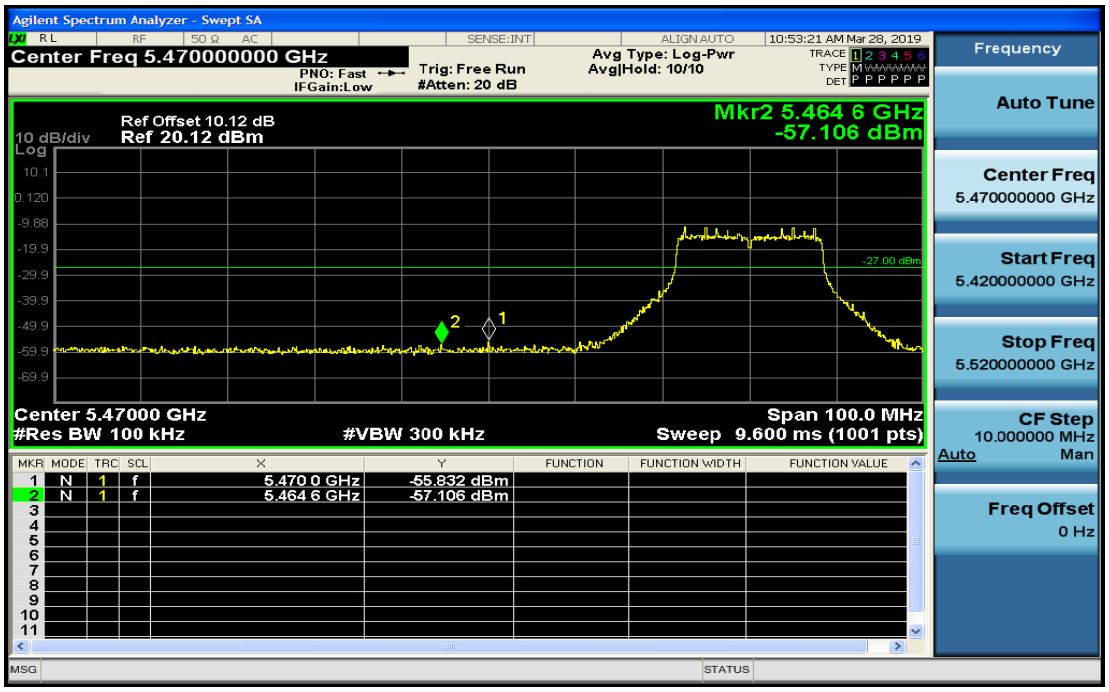
5260MHz



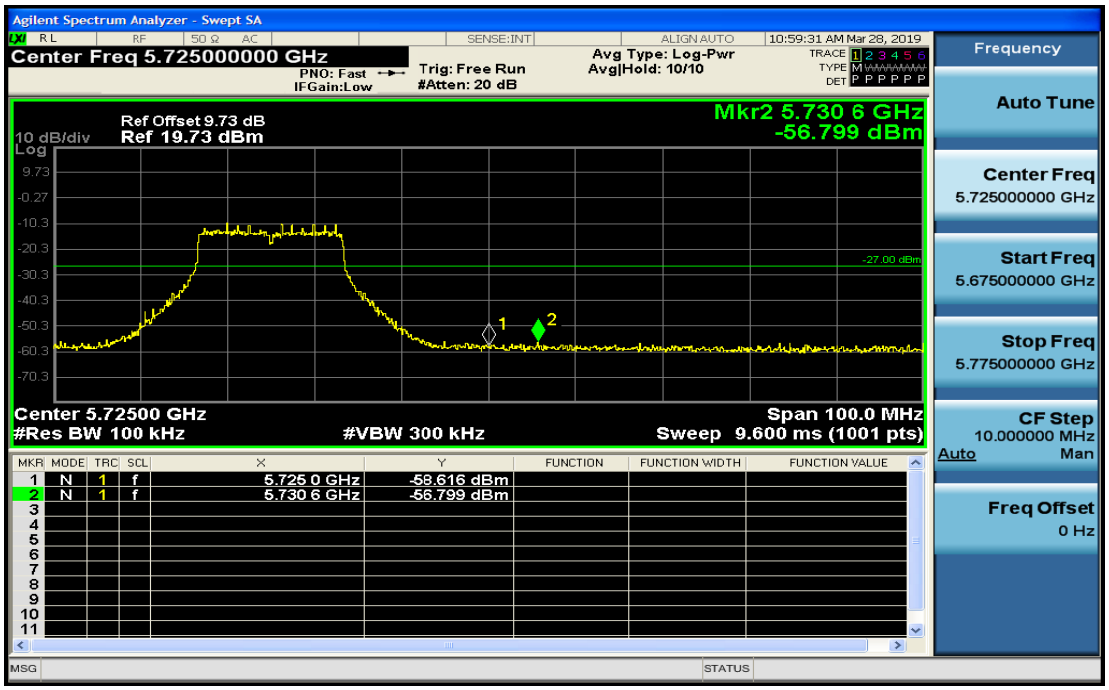
5320MHz



5500MHz

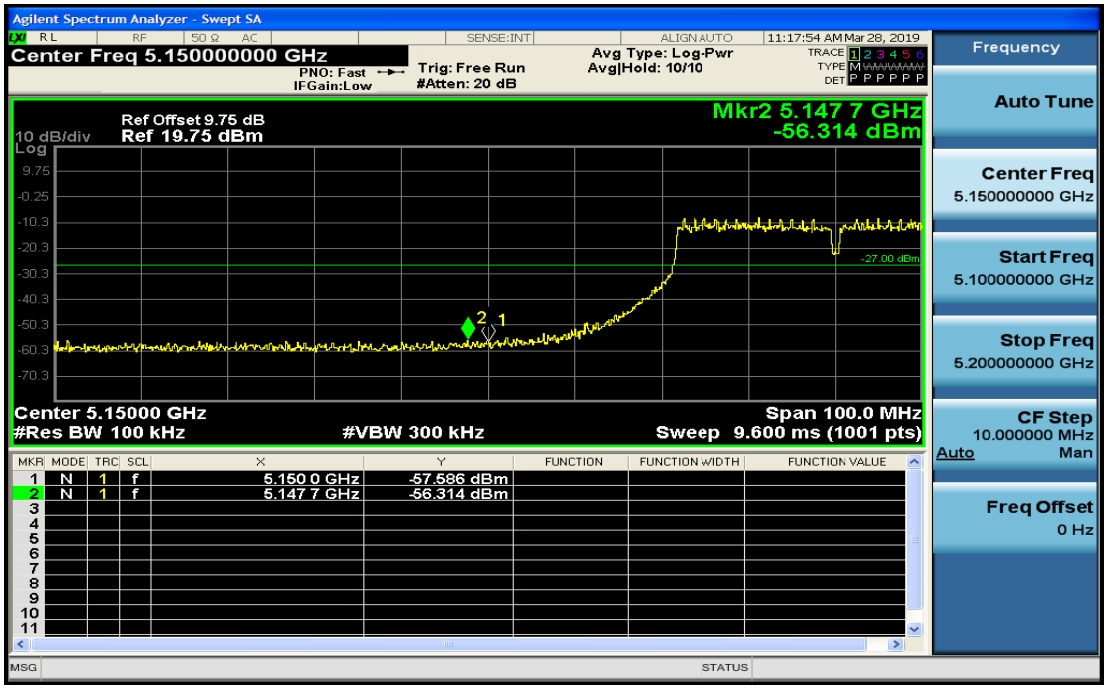


5700MHz

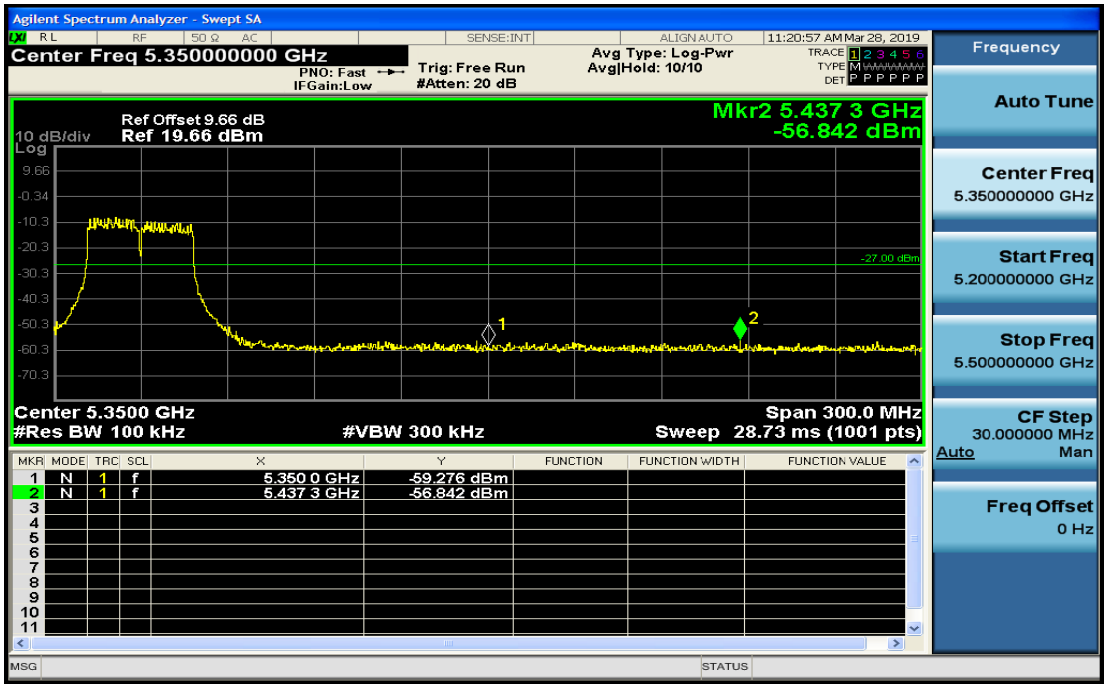


BandEdges(IEEE802.11nHT40mode)

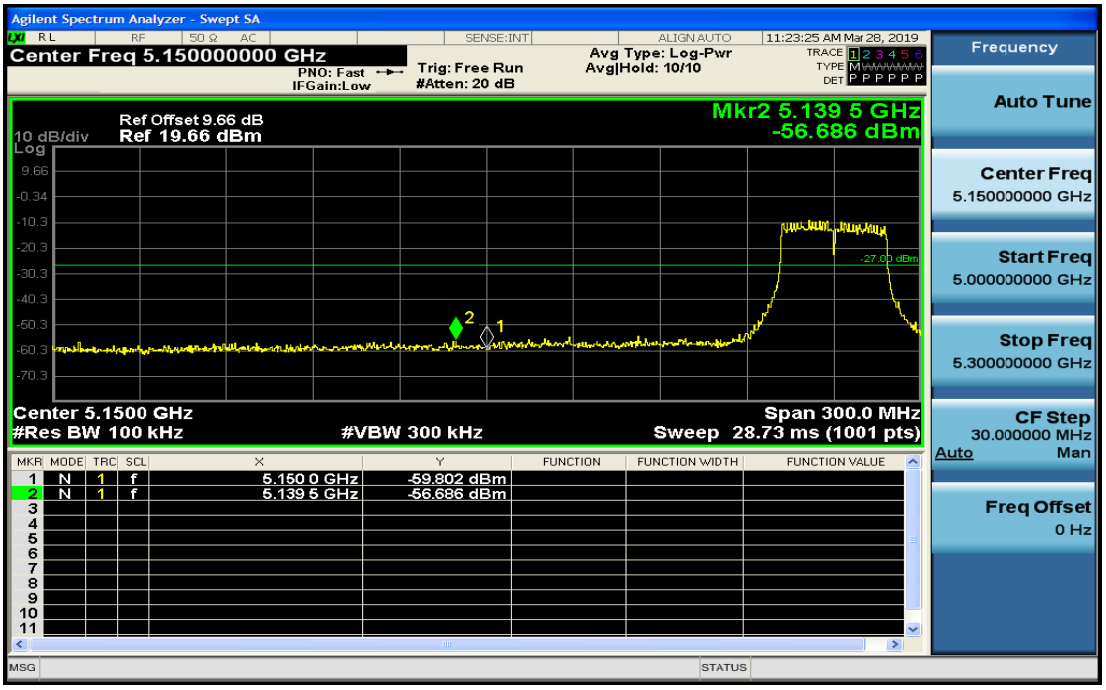
5190MHz



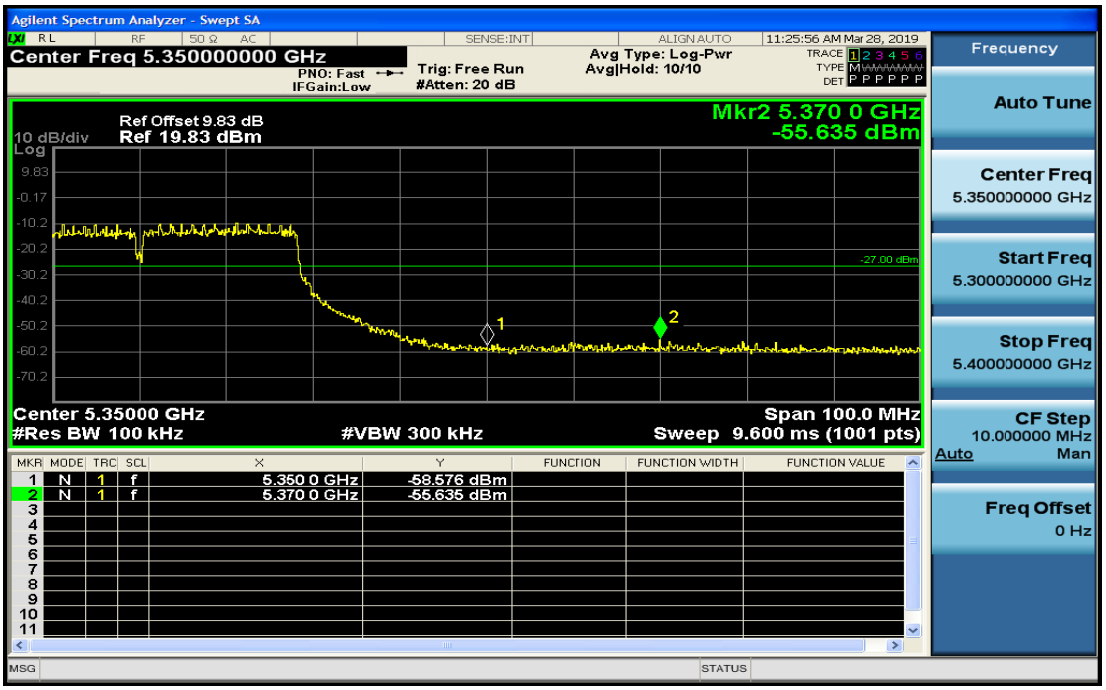
5230MHz



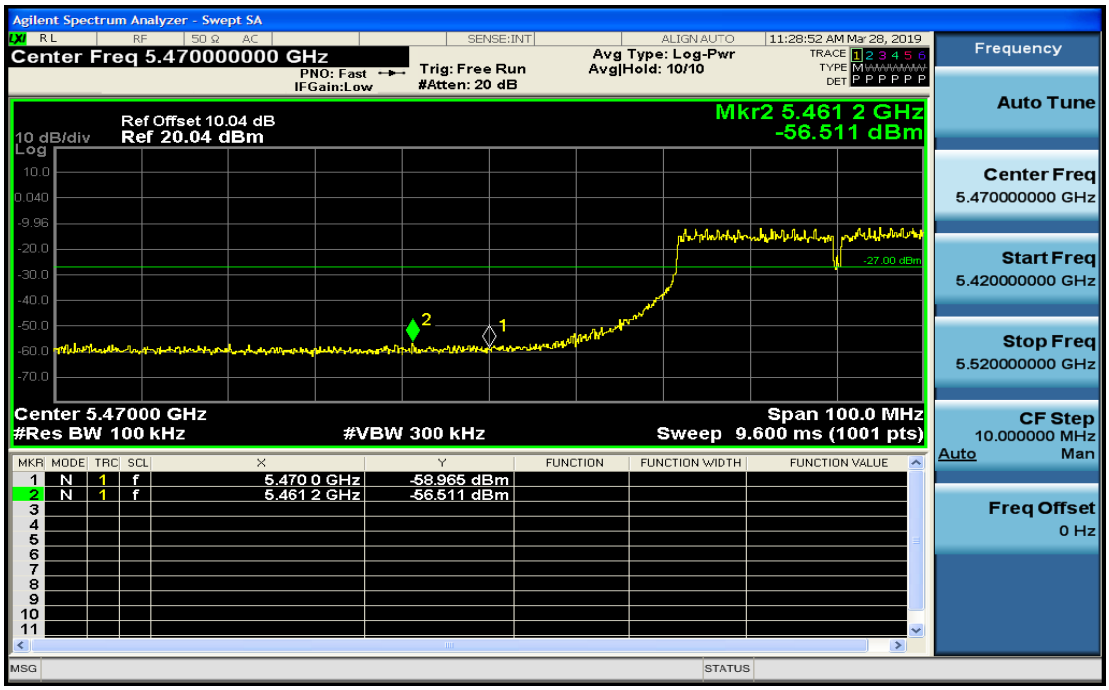
5270MHz



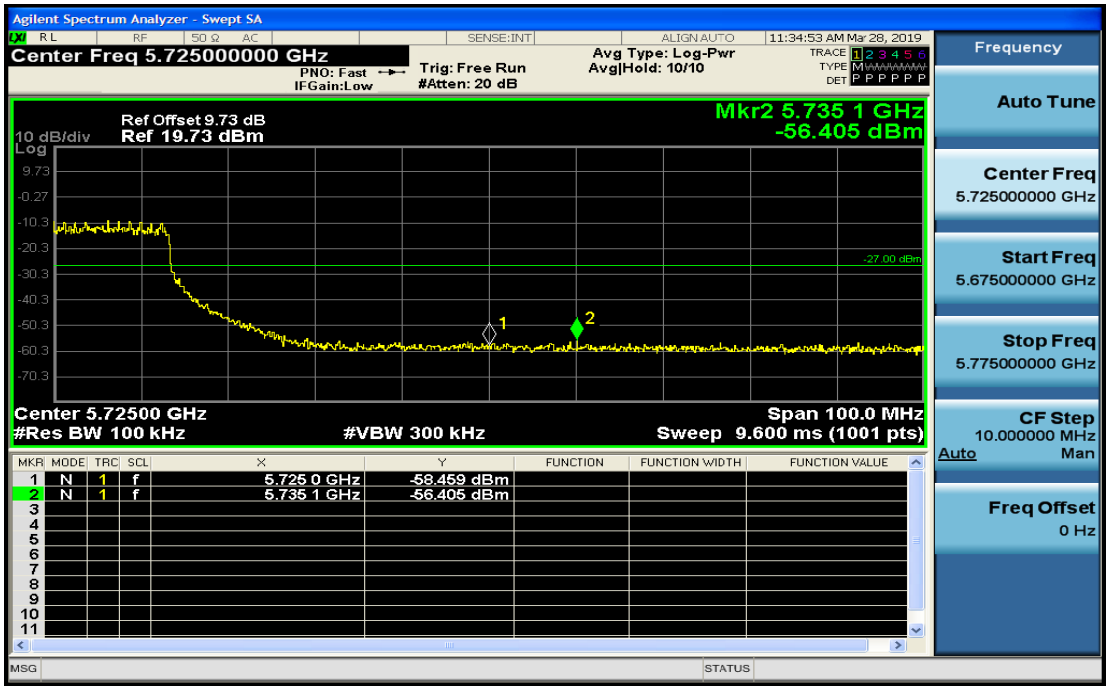
5310MHz



5510MHz

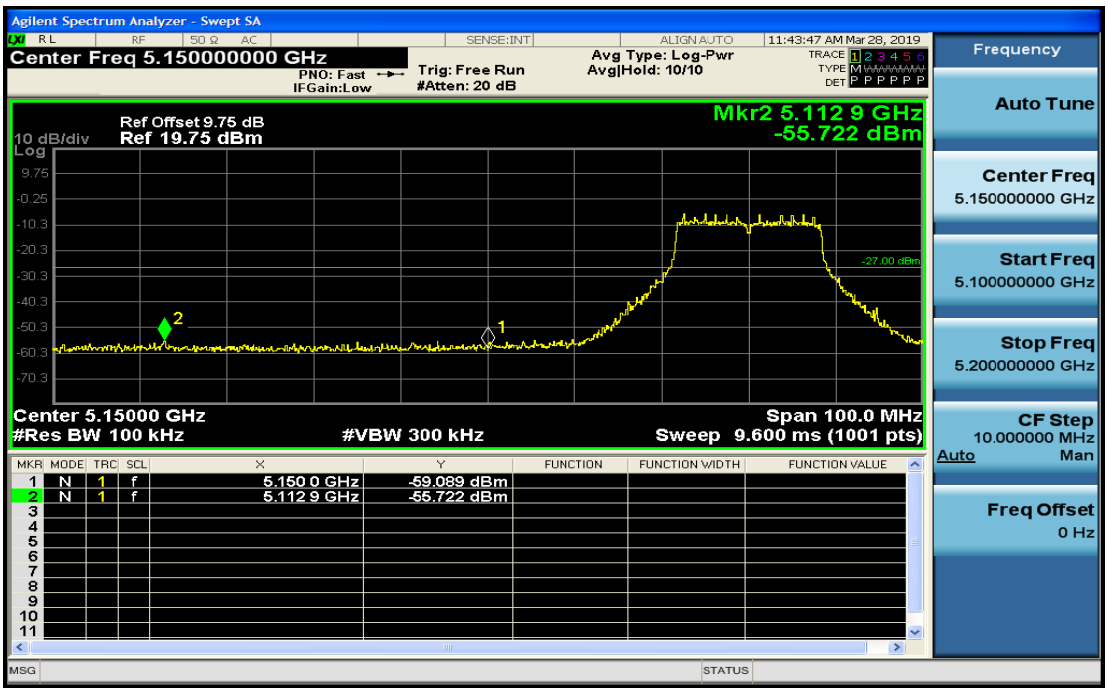


5670MHz

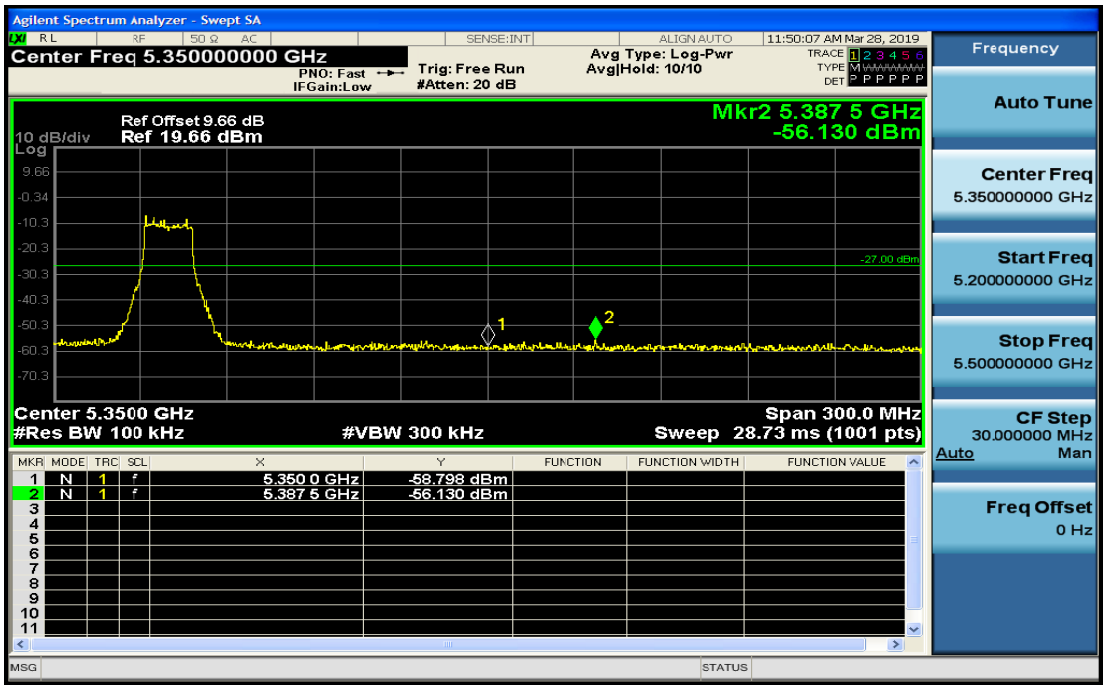


BandEdges(IEEE802.11acHT20mode)

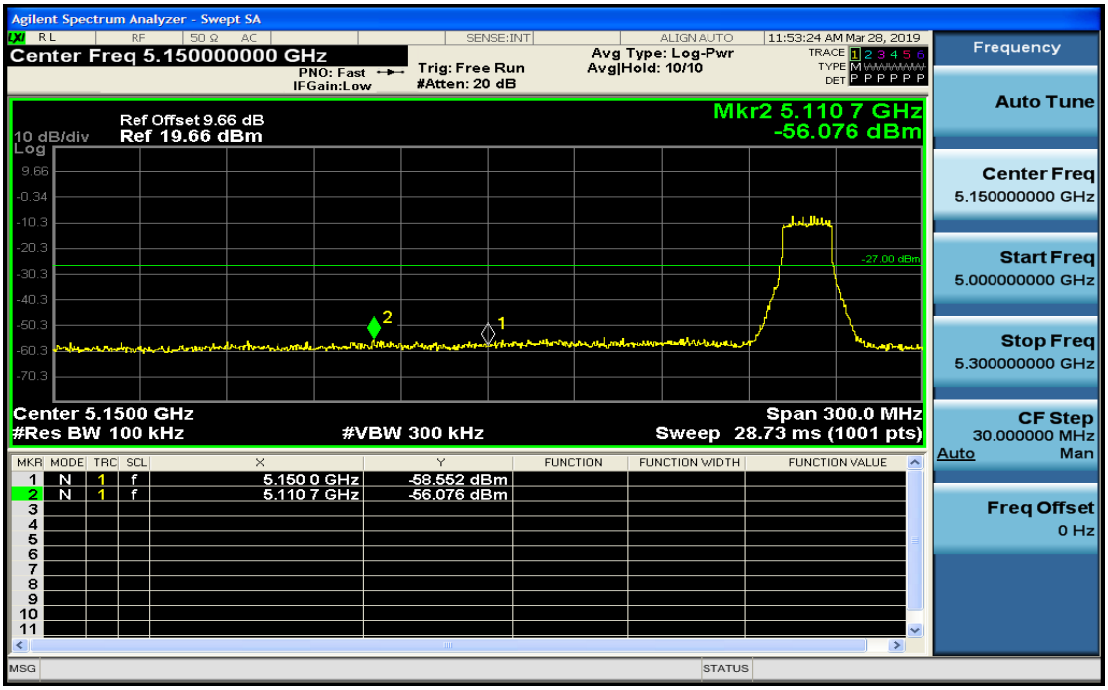
5180MHz



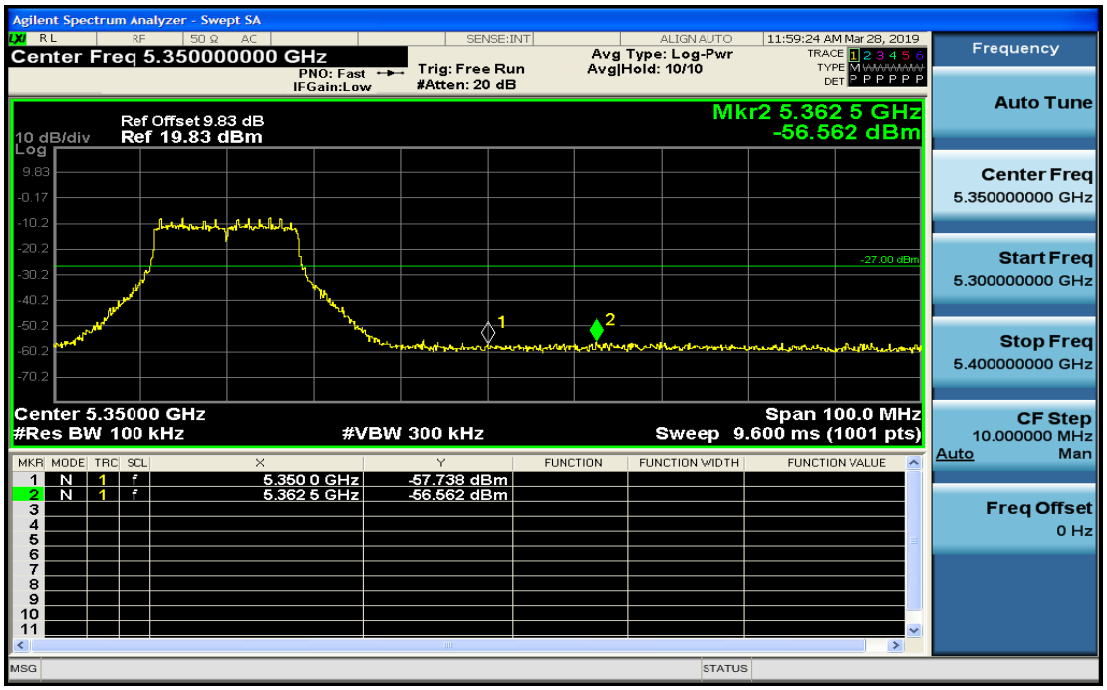
5240MHz



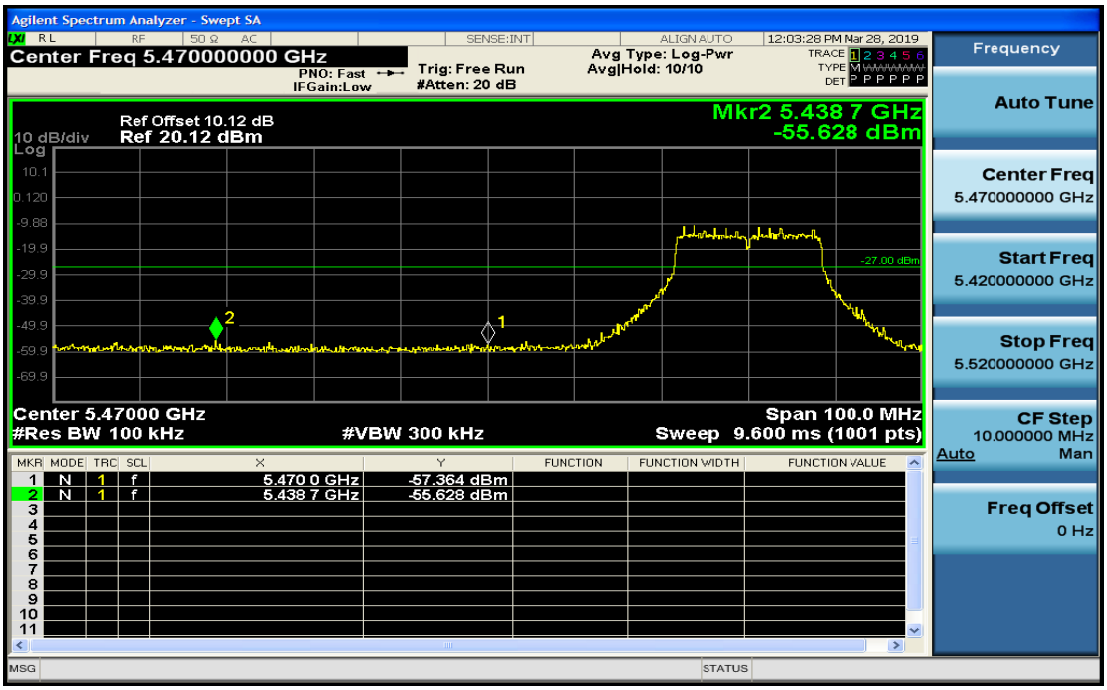
5260MHz



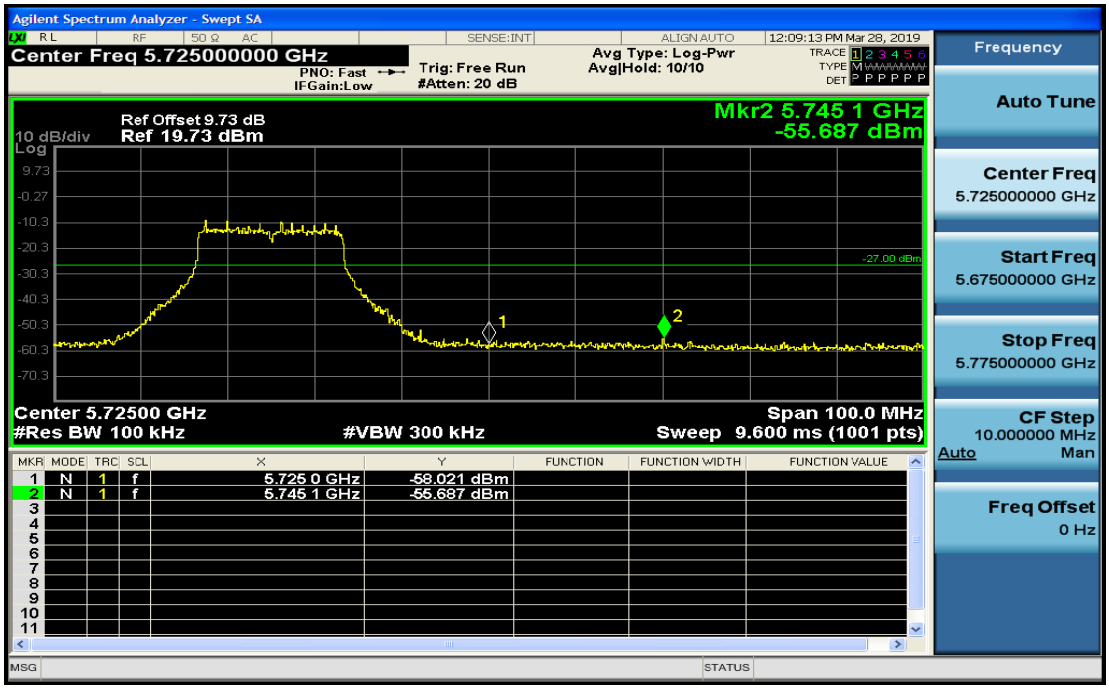
5320MHz



5500MHz

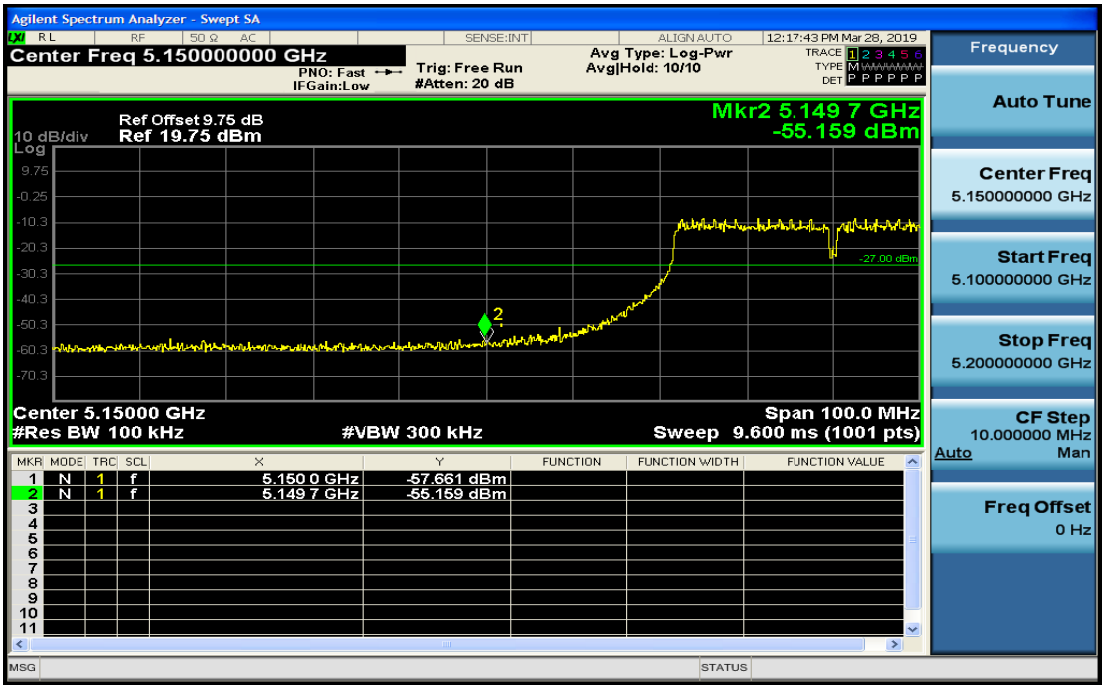


5700MHz

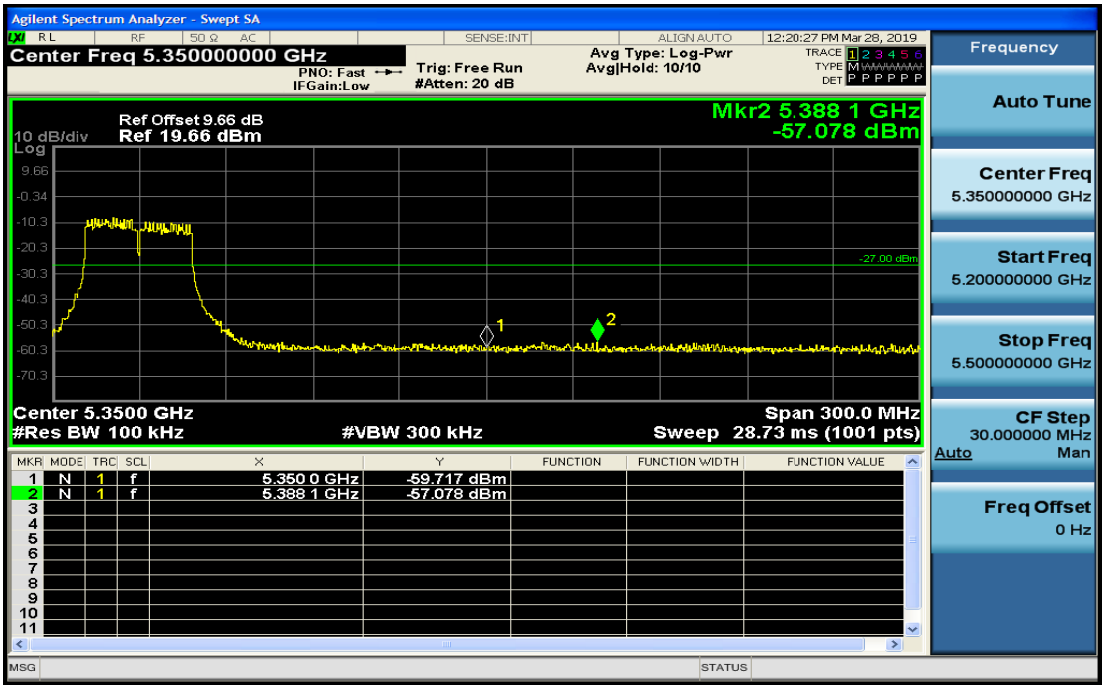


BandEdges(IEEE802.11acHT40mode)

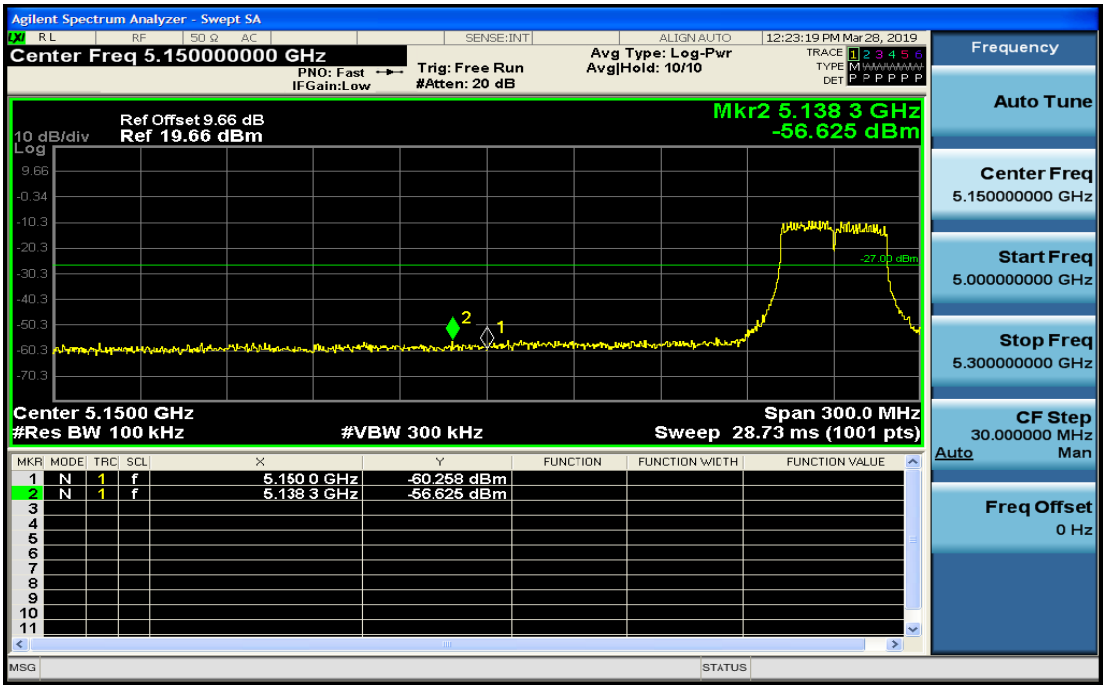
5190MHz



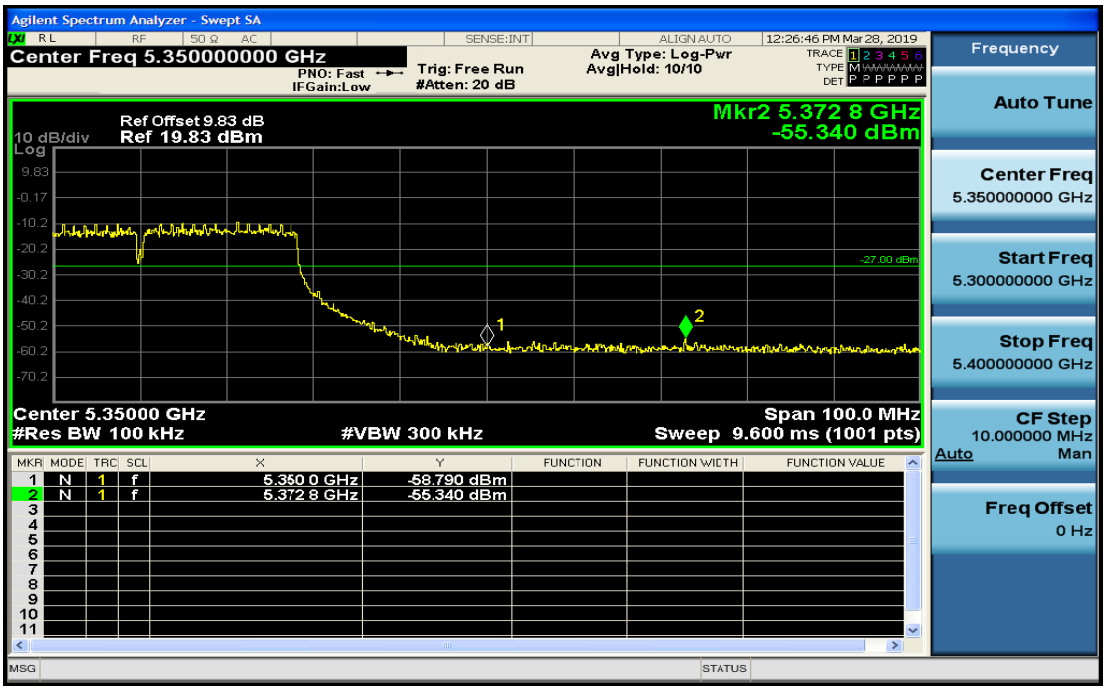
5230MHz



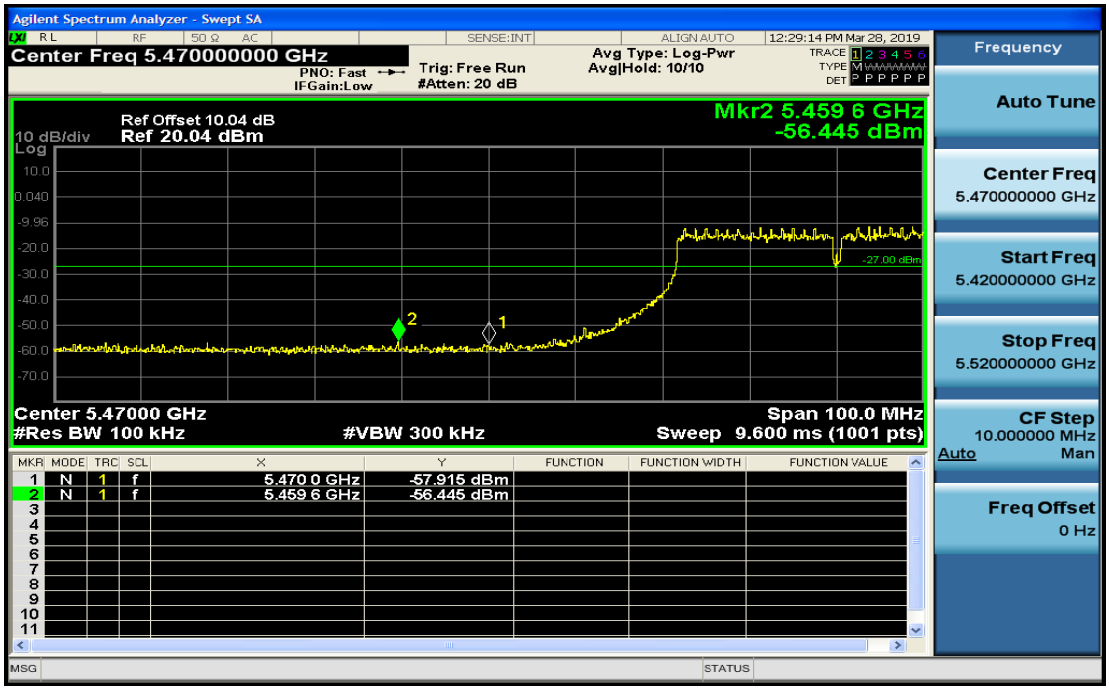
5270MHz



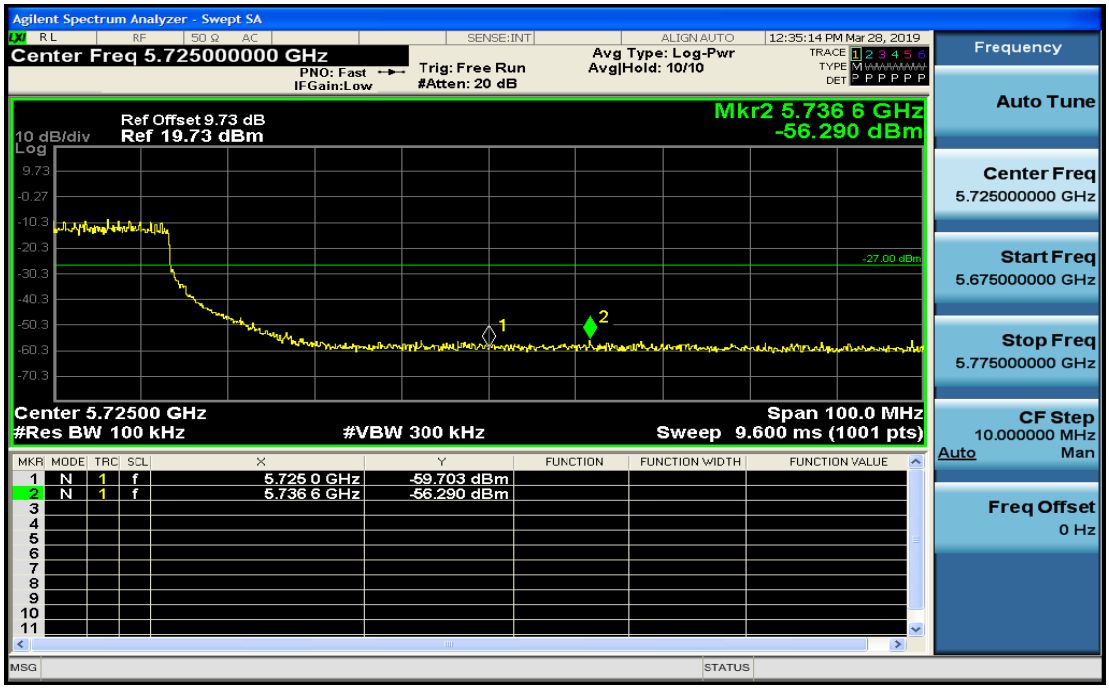
5310MHz



5510MHz

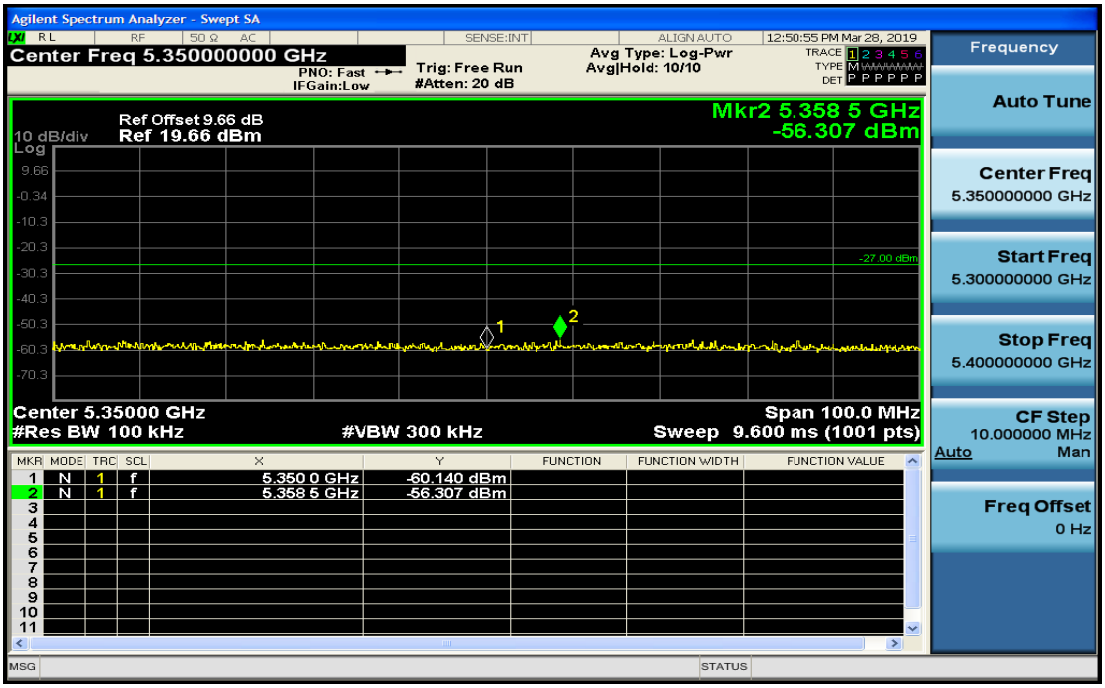


5670MHz

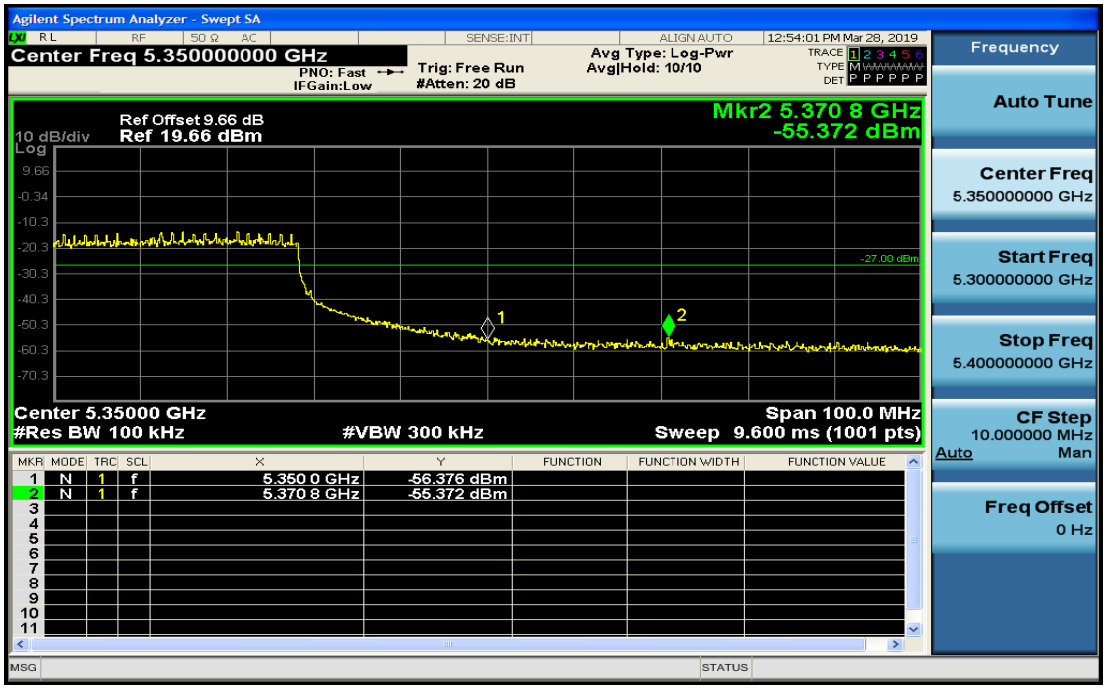


BandEdges(IEEE802.11acHT80mode)

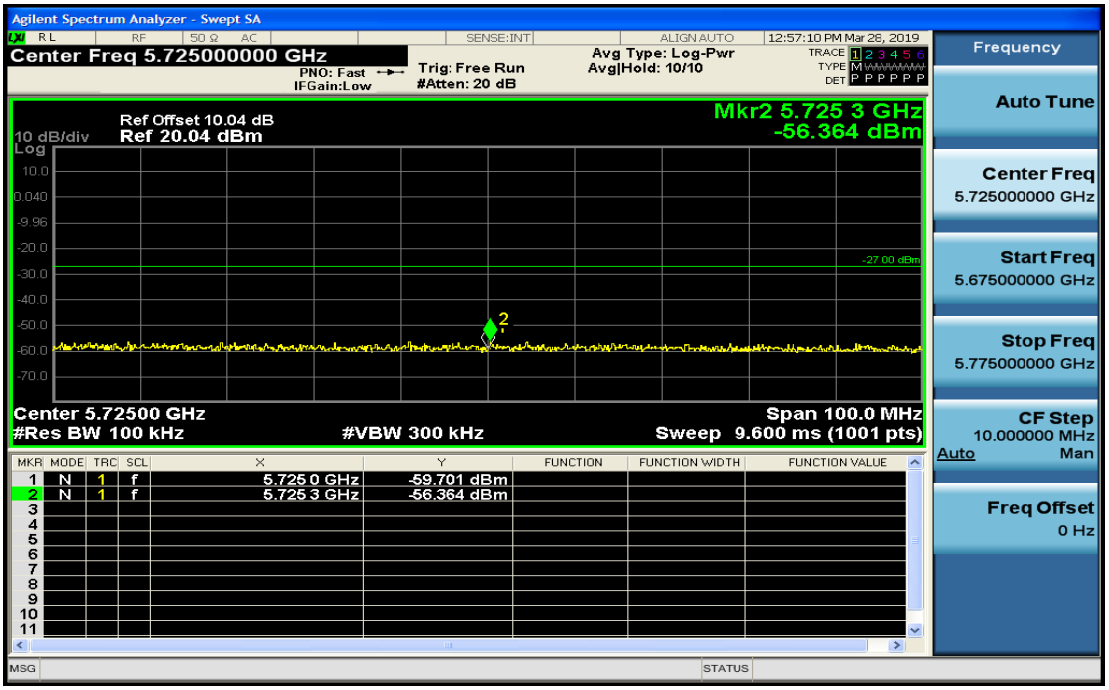
5210MHz



5290MHz



5530MHz


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.725000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: Log-Pwr
Avg|Hold: 10/10
12:57:10 PM Mar 26, 2019
Ref Offset 10.04 dB
10 dB/div
Ref 20.04 dBm
Log
Mkr2 5.725 3 GHz
-56.364 dBm
-27.00 dBm
Center 5.72500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 100.0 MHz
Sweep 9.600 ms (1001 pts)
1 N 1 f 5.725 0 GHz -59.701 dBm
2 N 1 f 5.725 3 GHz -56.364 dBm
Frequency
Auto Tune
Center Freq
5.725000000 GHz
Start Freq
5.675000000 GHz
Stop Freq
5.775000000 GHz
CF Step
10.000000 MHz
Auto
Man
Freq Offset
0 Hz

6.5 MAXIMUM POWER SPECTRAL DENSITY

LIMIT

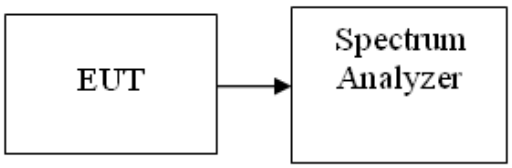
Accordingto§15.407(a),

For mobile and portable client devices in the 5.5-5.25 GHz band, the maximum power spectral density shall not exceed 11dBm in any 1 megahertz band.

For the 5.25-5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any I megahertz band

If transmitting antennas of directionalgaingreaterthan6dBiareused, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

TestConfiguration



TESTPROCEDURE

8. Place the EUTon the table andset it in transmitting mode.
   Remove the antenna from the EUTand then connect a low loss RF cable from the antenna port to the spectrum analyzer.
9. Set the spectrum analyzer as RBW = 1MHz, VBW = 3MHz,Span must be greater than 26dB bandwidth, adjust as necessary, Sweep= auto, Detector RMS
10. Record themax. reading.

TESTRESULTS

No non-compliance noted

Test Data

Testmode:IEEE802.11amode5150~5250MHz

Channel	Frequency (MHz)	PPSD(dBm)		Mimo	Limit(dBm)	Result
		Ant1	Ant2			
Low	5180	1.02	0.43	/	11.00	PASS
Mid	5220	0.36	0.82	/	11.00	PASS
High	5240	-0.82	-0.99	/	11.00	PASS

5250~5350MHz

Channel	Frequency (MHz)	PPSD(dBm)		Mimo	Limit(dBm)	Result
		Ant1	Ant2			
Low	5260	-1.28	-0.93	/	11.00	PASS
Mid	5280	-1.95	-1.79	/	11.00	PASS
High	5320	-2.38	-1.11	/	11.00	PASS

5470~5725MHz

Channel	Frequency (MHz)	PPSD(dBm)		Mimo	Limit(dBm)	Result
		Ant1	Ant2			
Low	5500	-5.17	-4.63	/	11.00	PASS
Mid	5580	-3.57	-2.75	/	11.00	PASS
High	5700	-4.12	-3.56	/	11.00	PASS

Testmode:IEEE802.11nHT20MHzmode

5150~5250MHz

Channel	Frequency (MHz)	PPSD(dBm)		Mimo	Limit(dBm)	Result
		Ant1	Ant2			
Low	5180	0.39	1.07	3.754	11.00	PASS
Mid	5220	0.38	1.23	3.836	11.00	PASS
High	5240	-0.67	-0.96	2.198	11.00	PASS

5250~5350MHz

Channel	Frequency (MHz)	PPSD(dBm)		Mimo	Limit(dBm)	Result
		Ant1	Ant2			
Low	5260	0.04	-0.26	2.903	11.00	PASS
Mid	5280	-0.98	-1.03	2.005	11.00	PASS
High	5320	-0.76	-0.97	2.147	11.00	PASS

5470~5725MHz

Channel	Frequency (MHz)	PPSD(dBm)		Mimo	Limit(dBm)	Result
		Ant1	Ant2			
Low	5500	-3.69	-5.13	-1.340	11.00	PASS
Mid	5580	-2.93	-3.85	-0.355	11.00	PASS
High	5700	-4.01	-4.29	-1.137	11.00	PASS

Testmode:IEEE802.11nHT40MHzmode5150~5250MHz

Channel	Frequency (MHz)	PPSD(dBm)		Mimo	Limit(dBm)	Result
		Ant1	Ant2			
Low	5190	6.22	-0.29	7.096	11.00	PASS
High	5230	0.72	0.05	3.408	11.00	PASS

5250~5350MHz

Channel	Frequency (MHz)	PPSD(dBm)		Mimo	Limit(dBm)	Result
		Ant1	Ant2			
Low	5270	-1.68	-1.56	1.391	11.00	PASS
High	5310	-0.45	-1.44	2.093	11.00	PASS

5470~5725MHz

Channel	Frequency (MHz)	PPSD(dBm)		Mimo	Limit(dBm)	Result
		Ant1	Ant2			
Low	5510	-2.17	-2.70	0.583	11.00	PASS
Mid	5550	-2.25	-2.93	0.434	11.00	PASS
High	5670	-1.57	-1.38	1.536	11.00	PASS

Testmode:IEEE802.11acHT20MHzmode

5150~5250MHz

Channel	Frequency (MHz)	PPSD(dBm)		Mimo	Limit(dBm)	Result
		Ant1	Ant2			
Low	5180	0.67	-0.03	3.344	11.00	PASS
Mid	5220	1.13	0.38	3.781	11.00	PASS
High	5240	-0.81	-1.53	1.855	11.00	PASS

5250~5350MHz

Channel	Frequency (MHz)	PPSD(dBm)		Mimo	Limit(dBm)	Result
		Ant1	Ant2			
Low	5260	-0.92	-1.04	2.031	11.00	PASS
Mid	5280	-1.42	-2.26	1.191	11.00	PASS
High	5320	-1.07	-1.84	1.572	11.00	PASS

5470~5725MHz

Channel	Frequency (MHz)	PPSD(dBm)		Mimo	Limit(dBm)	Result
		Ant1	Ant2			
Low	5500	-4.65	-5.25	-1.929	11.00	PASS
Mid	5580	-2.81	-3.77	-0.253	11.00	PASS
High	5700	-2.79	-3.39	-0.069	11.00	PASS

Testmode:IEEE802.11acHT40MHzmode5150~5250MHz

Channel	Frequency (MHz)	PPSD(dBm)		Mimo	Limit(dBm)	Result
		Ant1	Ant2			
Low	5190	0.05	0.27	7.096	11.00	PASS
High	5230	-0.27	-0.28	3.408	11.00	PASS

5250~5350MHz

Channel	Frequency (MHz)	PPSD(dBm)		Mimo	Limit(dBm)	Result
		Ant1	Ant2			
Low	5270	-0.88	-1.69	1.744	11.00	PASS
High	5310	-1.61	-1.59	1.410	11.00	PASS

5470~5725MHz

Channel	Frequency (MHz)	PPSD(dBm)		Mimo	Limit(dBm)	Result
		Ant1	Ant2			
Low	5510	-2.34	-1.48	1.122	11.00	PASS
Mid	5550	-2.13	-2.72	0.595	11.00	PASS
High	5670	-1.55	-0.86	1.819	11.00	PASS

Testmode:IEEE802.11acHT80MHzmode5150~5250MHz

Channel	Frequency (MHz)	PPSD(dBm)		Mimo	Limit(dBm)	Result
		Ant1	Ant2			
	5210	-2.37	-3.87	-0.045	11.00	PASS

5250~5350MHz

Channel	Frequency (MHz)	PPSD(dBm)		Mimo	Limit(dBm)	Result
		Ant1	Ant2			
	5290	-4.11	-4.51	-1.295	11.00	PASS

5470~5725MHz

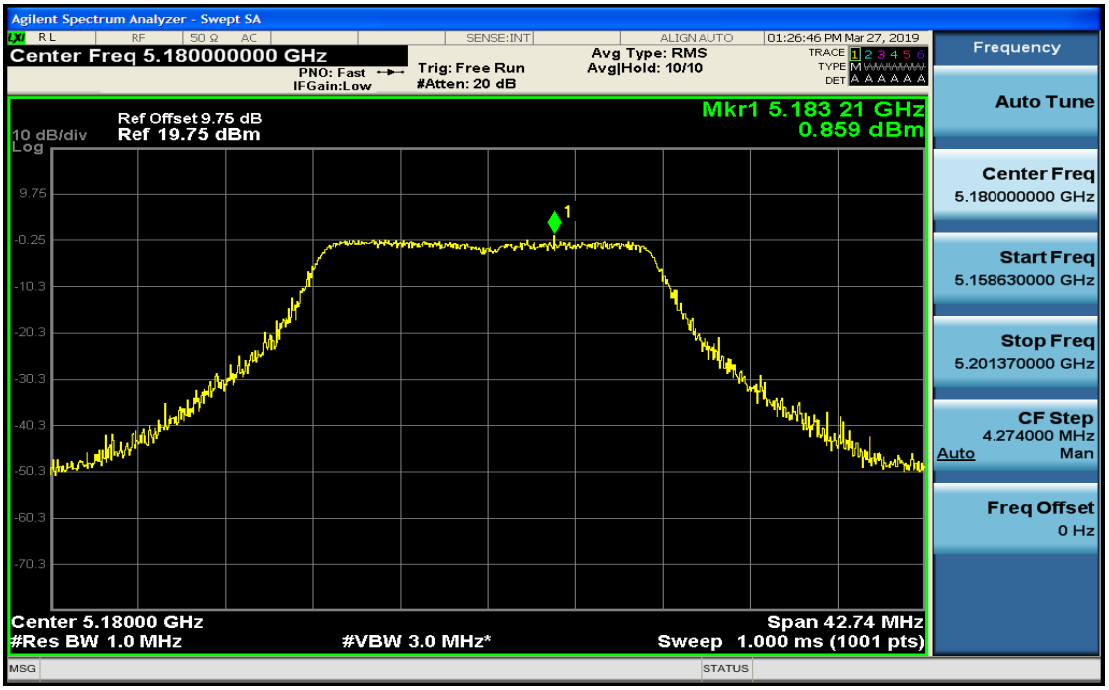
Channel	Frequency (MHz)	PPSD(dBm)		Mimo	Limit(dBm)	Result
		Ant1	Ant2			
	5530	-5.51	-6.05	-2.761	11.00	PASS

Note:Dutyfactor hasbeenoffsetedwithcableloss

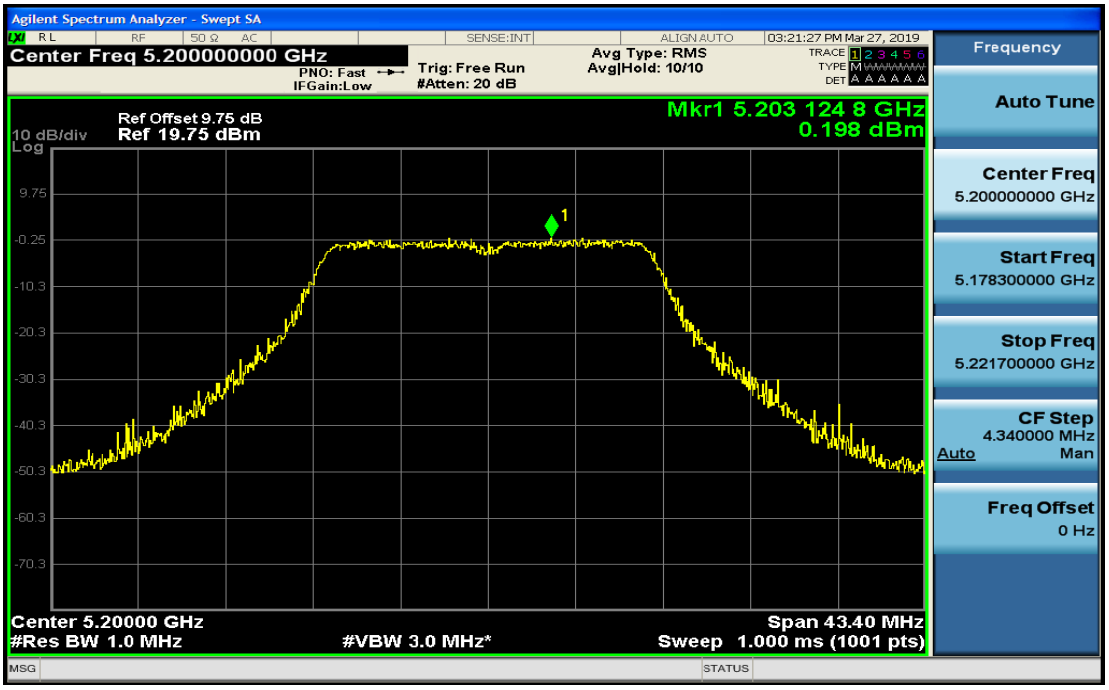
TestPlot
Antenna 1
IEEE802.11amode:

5150~5250MHz

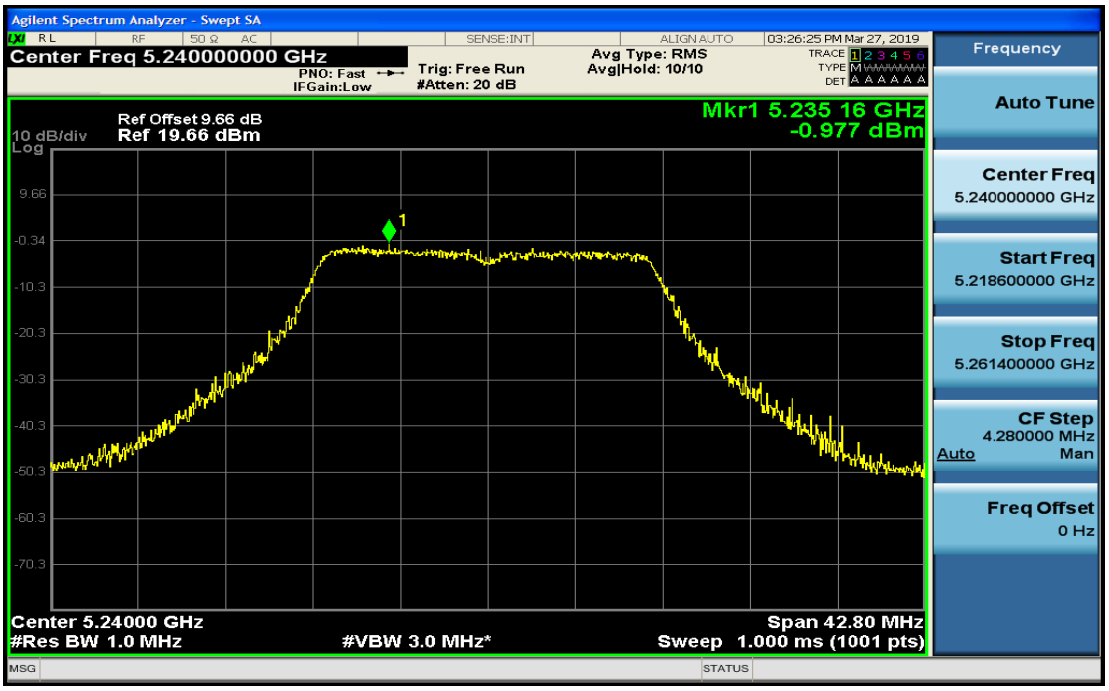
CHLow



CHMid

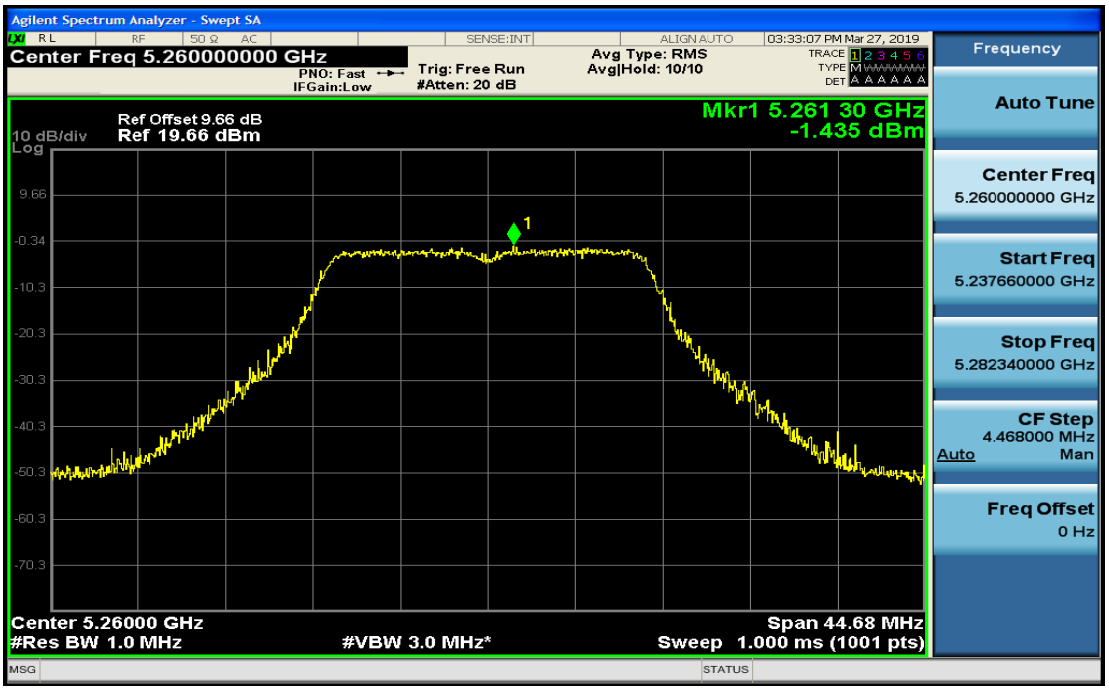


CHHigh

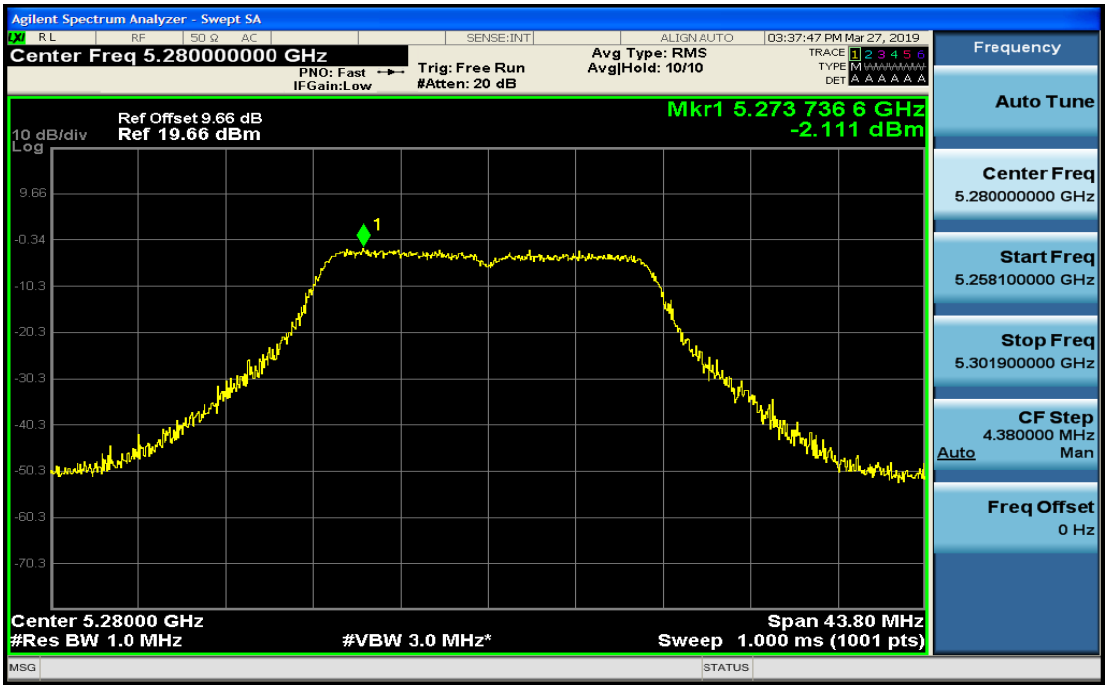


5250~5350MHz

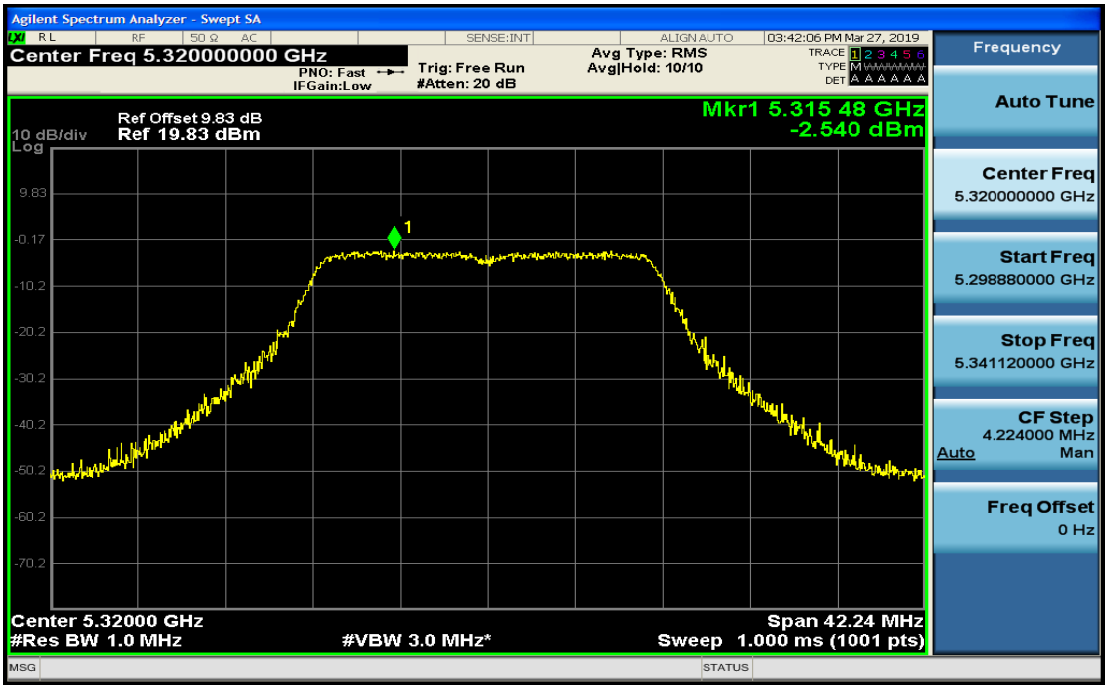
CHLow



CHMid

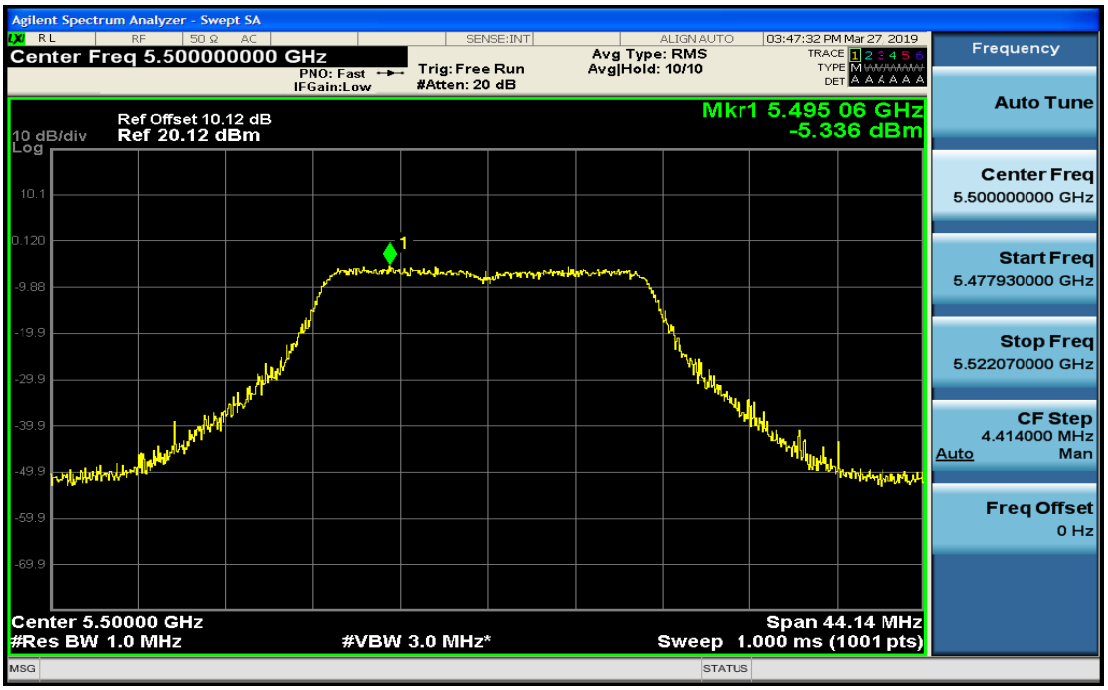


CHHigh

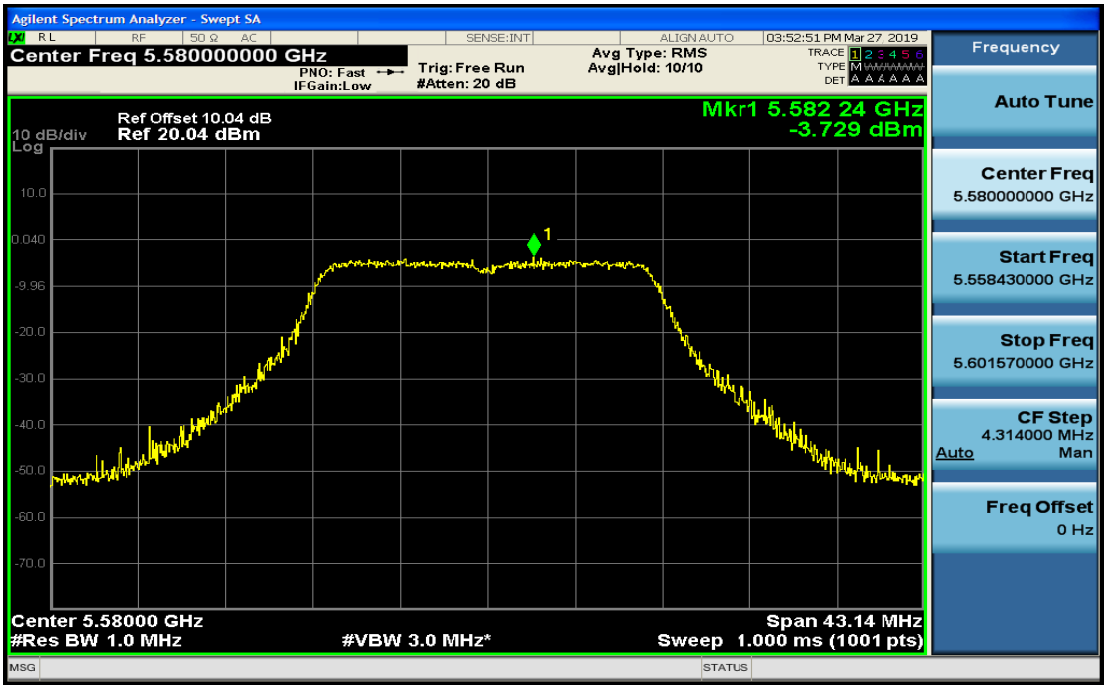


5470~5725MHz

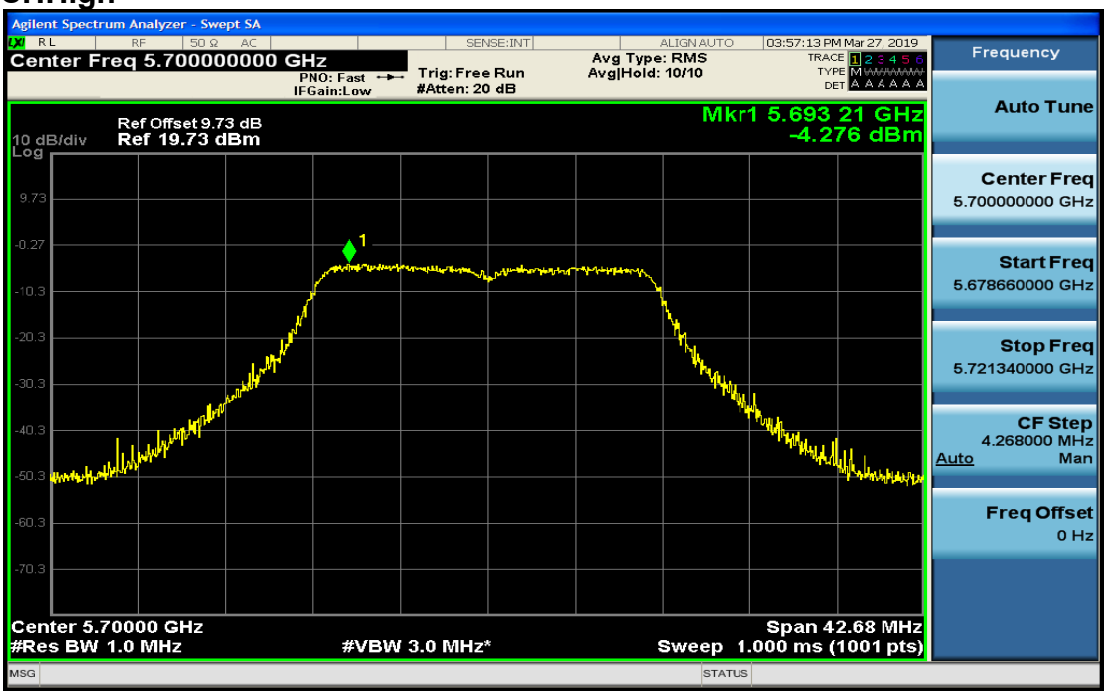
CHLow



CHMid



CHHigh



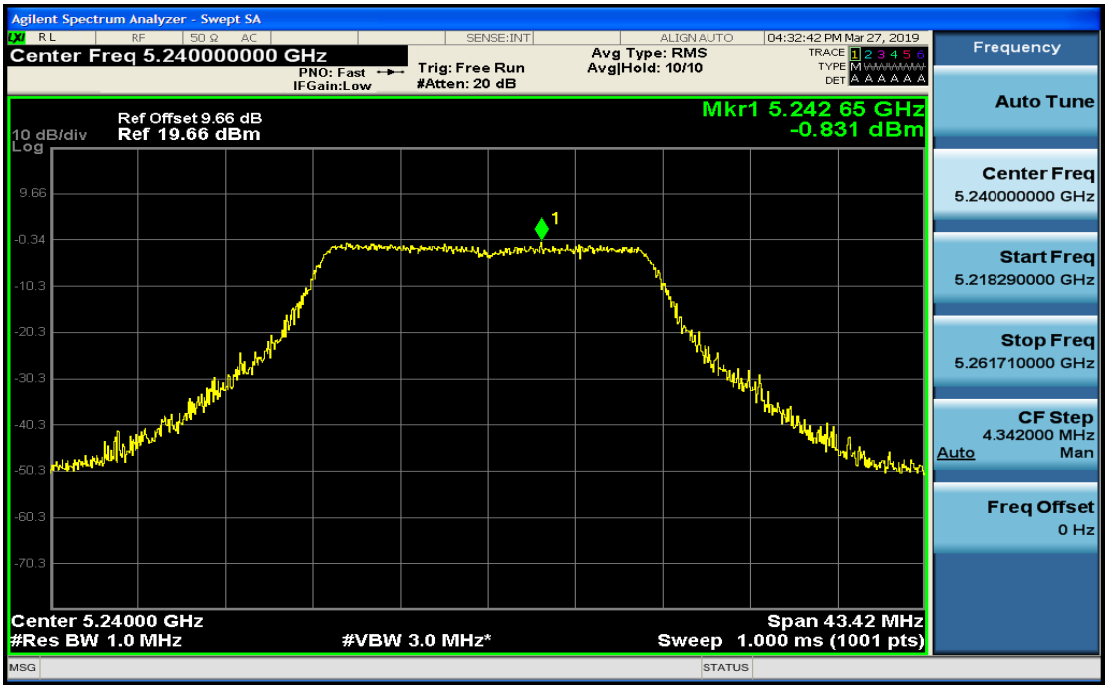
IEEE802.11nHT20mode

5150~5250MHz

CHLow

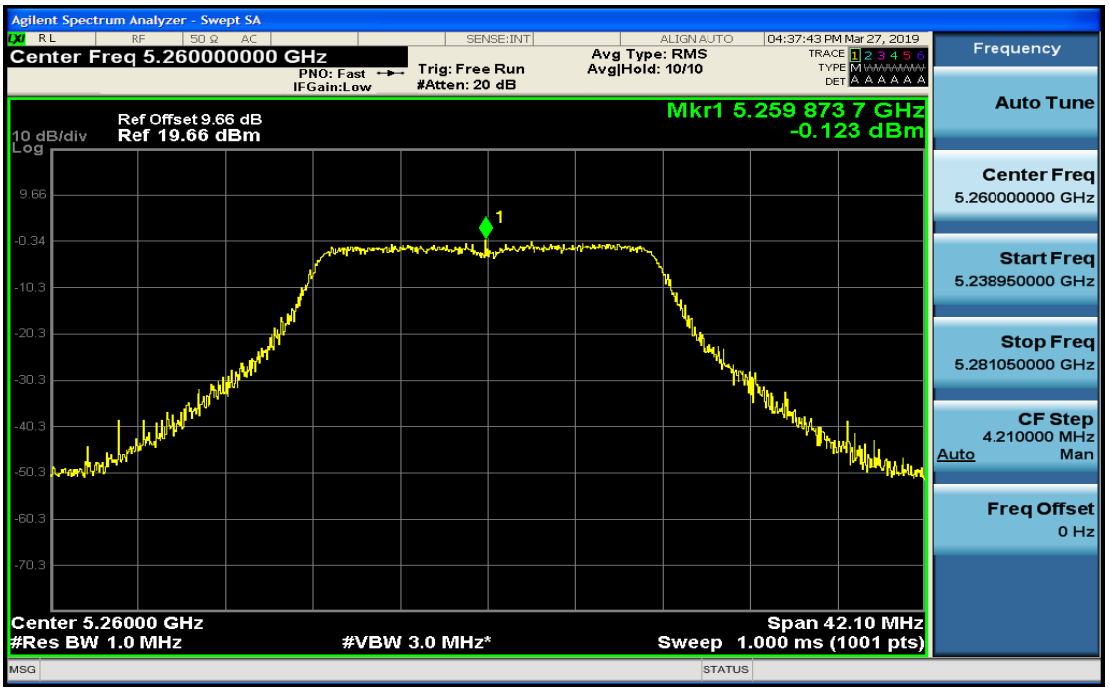
CHMid

CHHigh



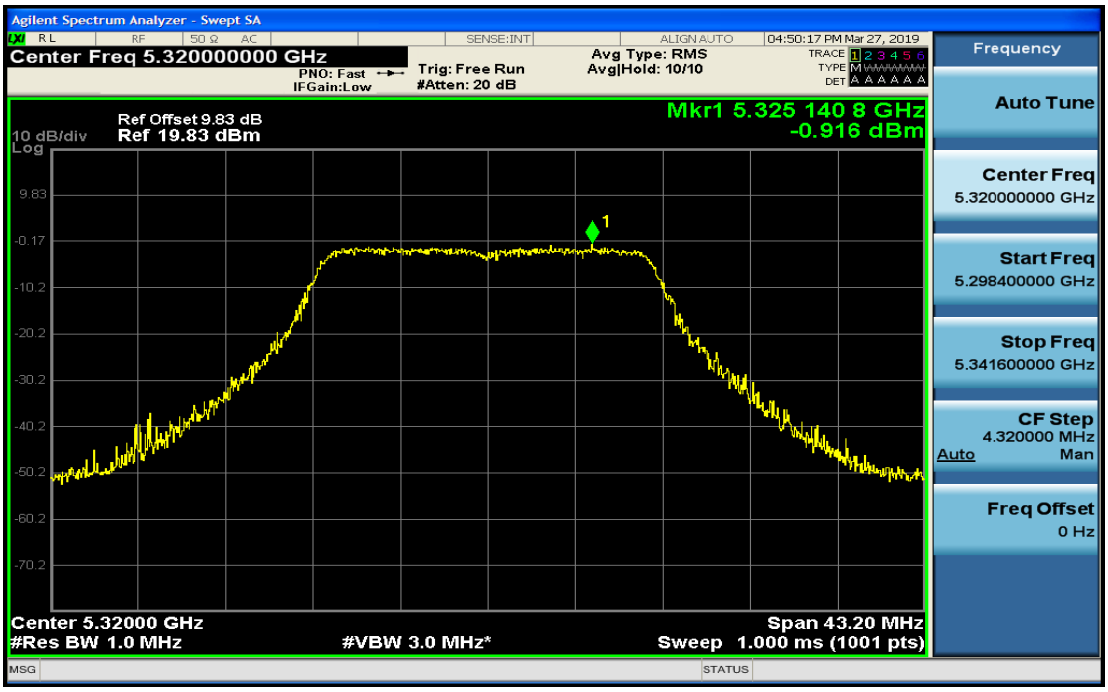
5250~5350MHz

CHLow



CHMid

CHHigh

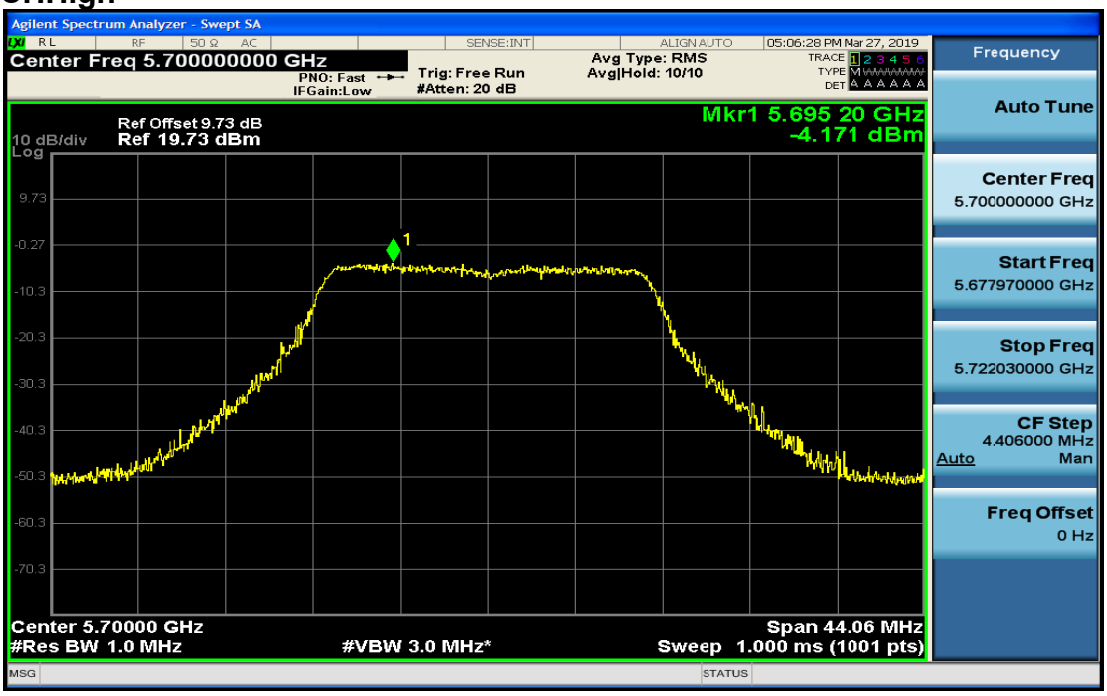


5470~5725MHz

CHLow

CHMid

CHHigh



IEEE802.11nHT40mode

5150~5250MHz

CHLow

CHHigh

5250~5350MHz

CHLow

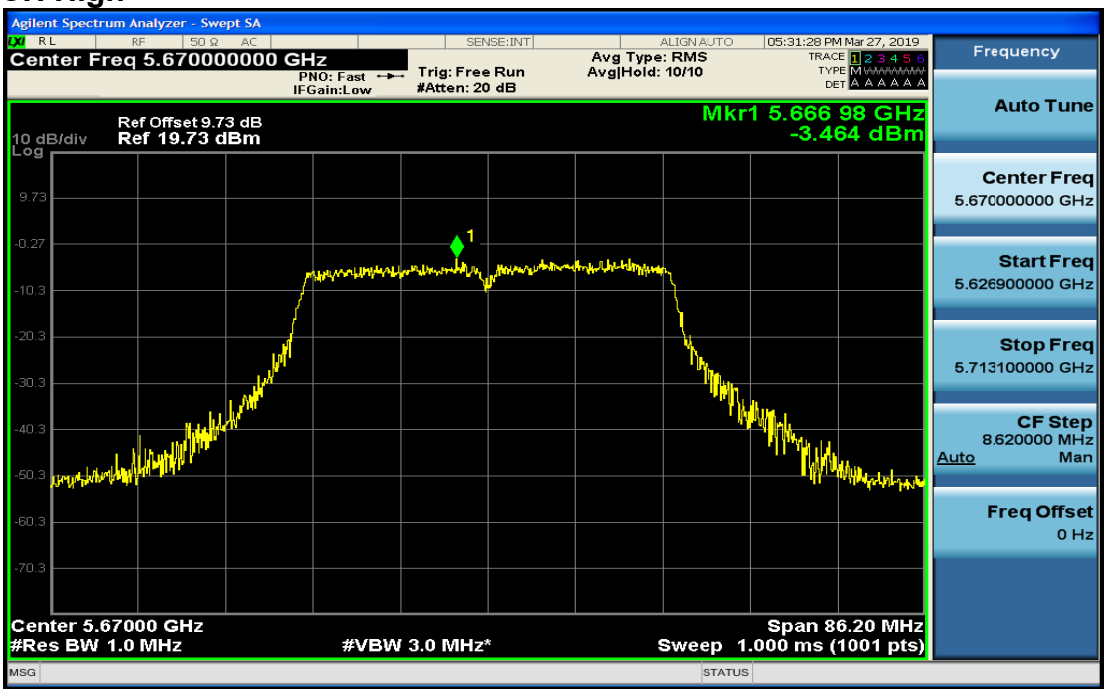
CHHigh

5470~5725MHz

CHLow

CHMid

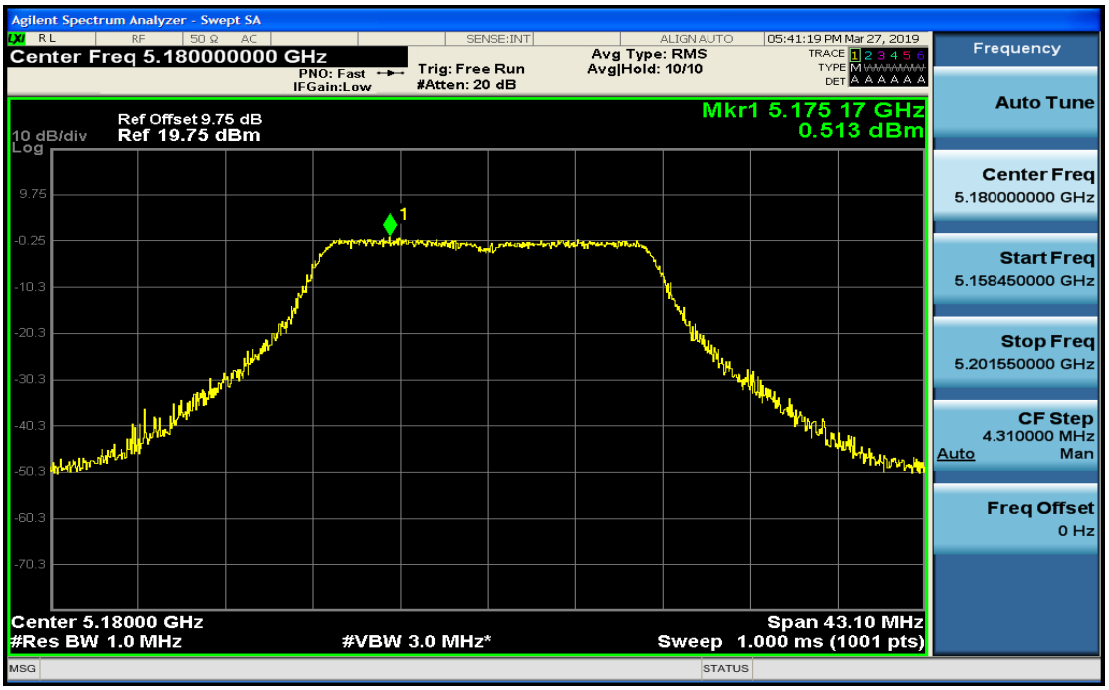
CH High



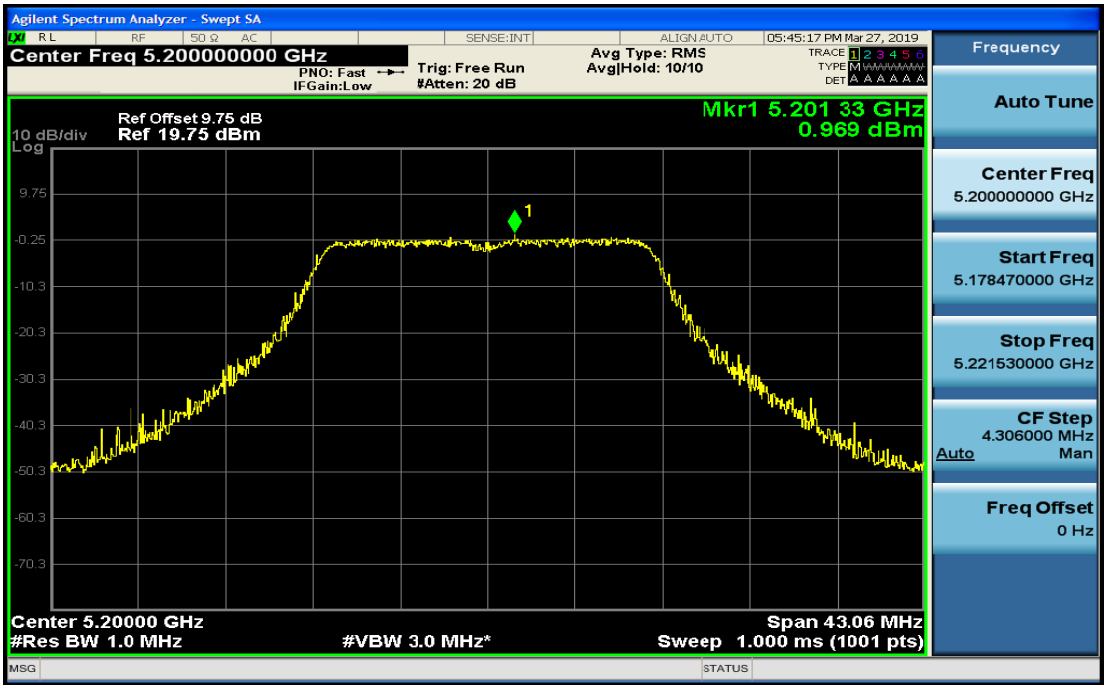
IEEE802.11ac HT20mode

5150~5250MHz

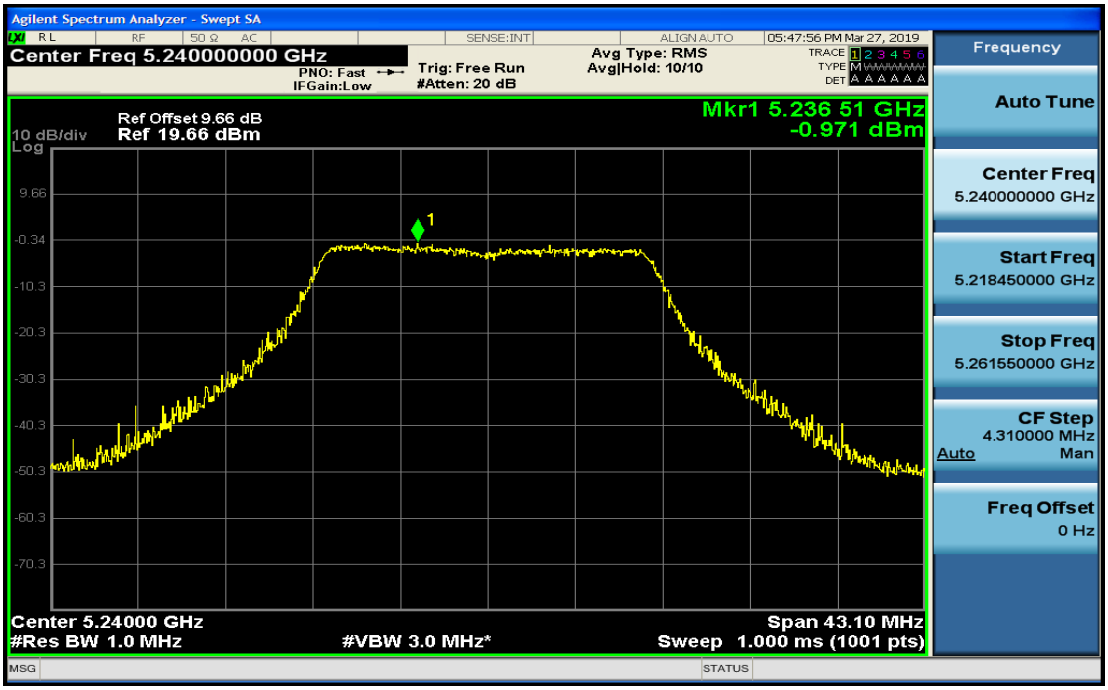
CHLow



CHMid

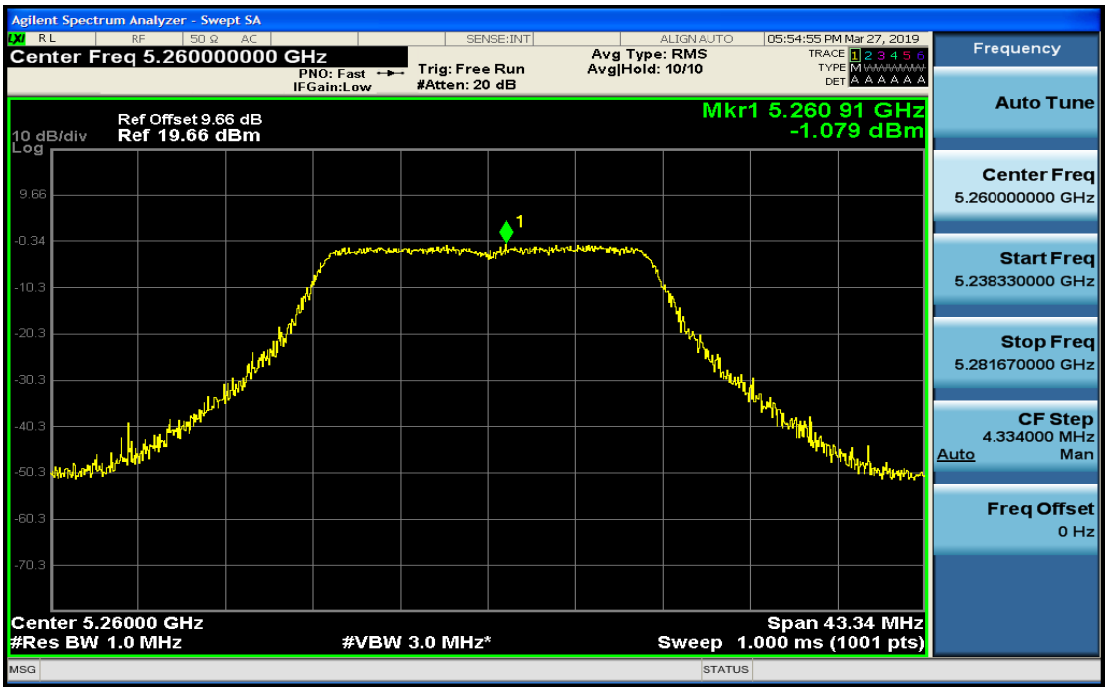


CHHigh

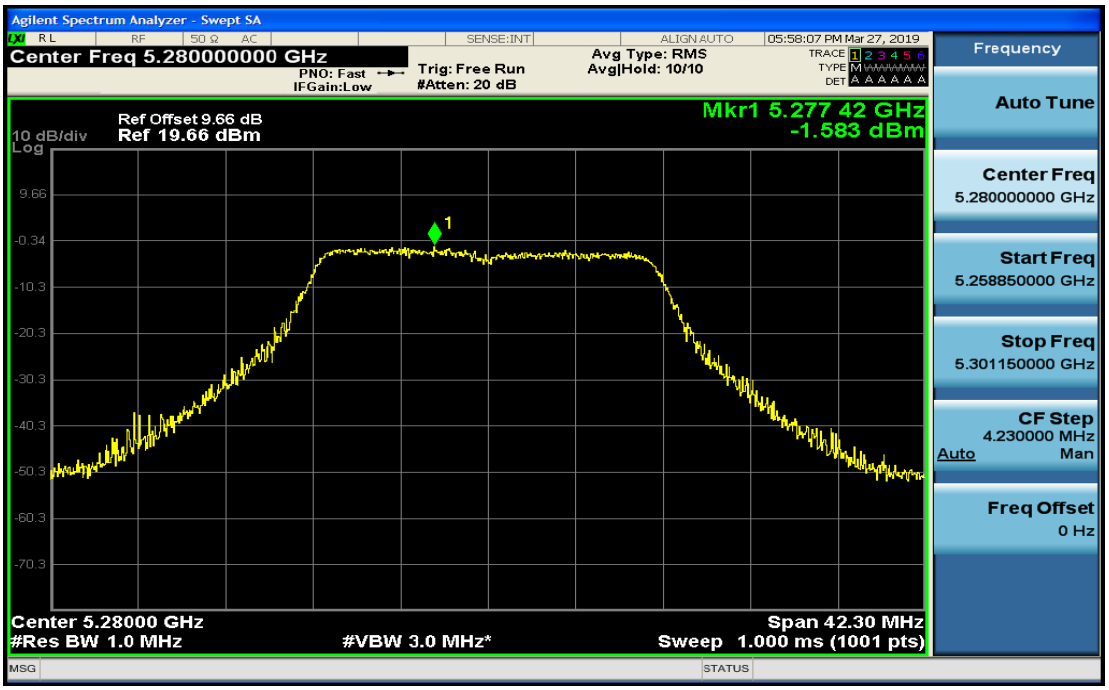


5250~5350MHz

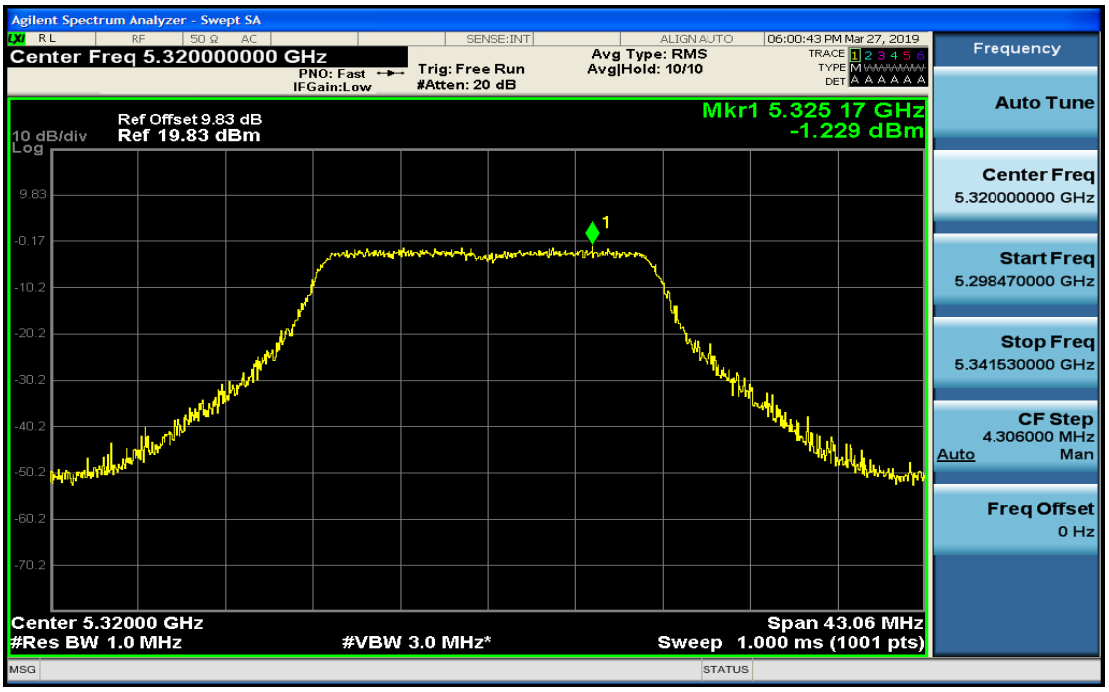
CHLow



CHMid

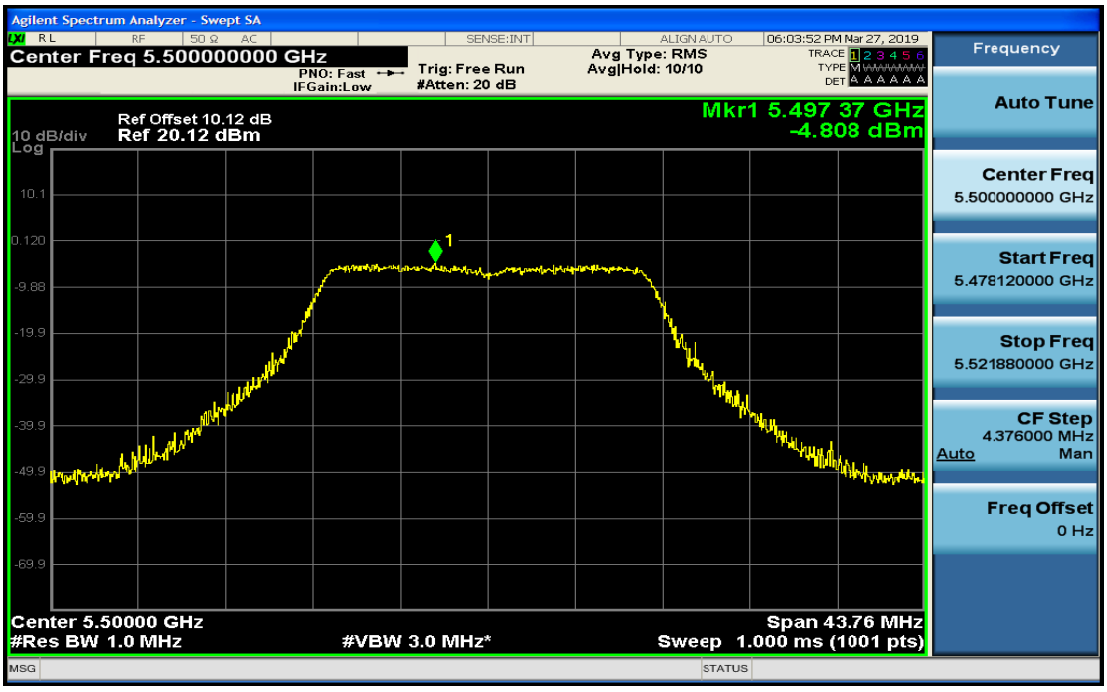


CHHigh

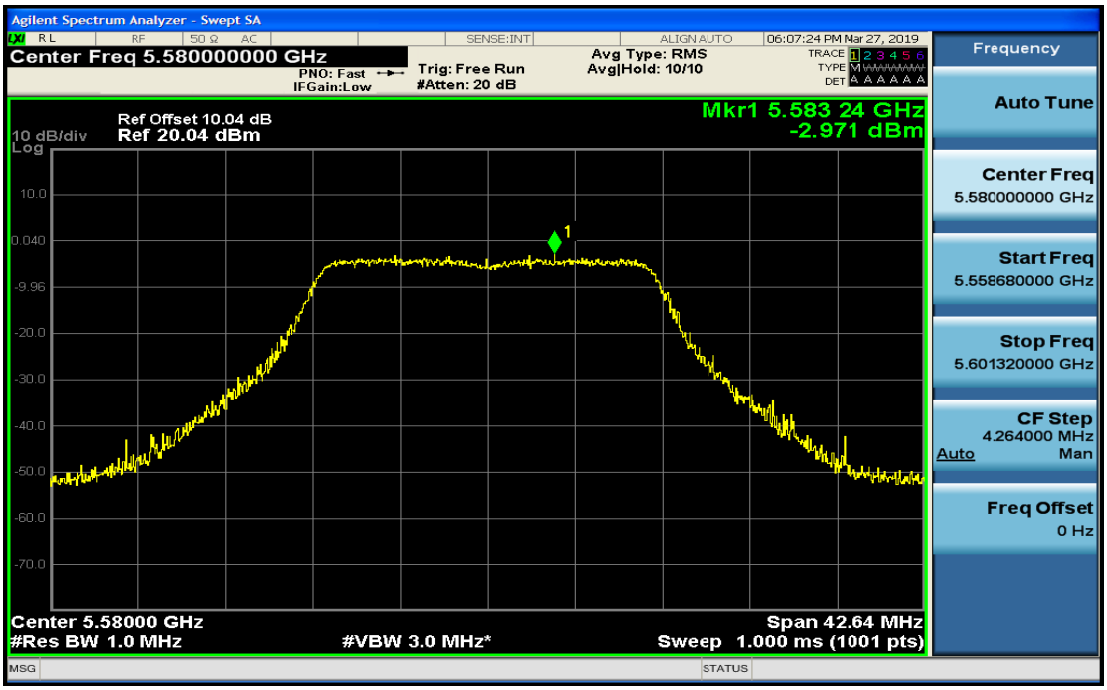


5470~5725MHz

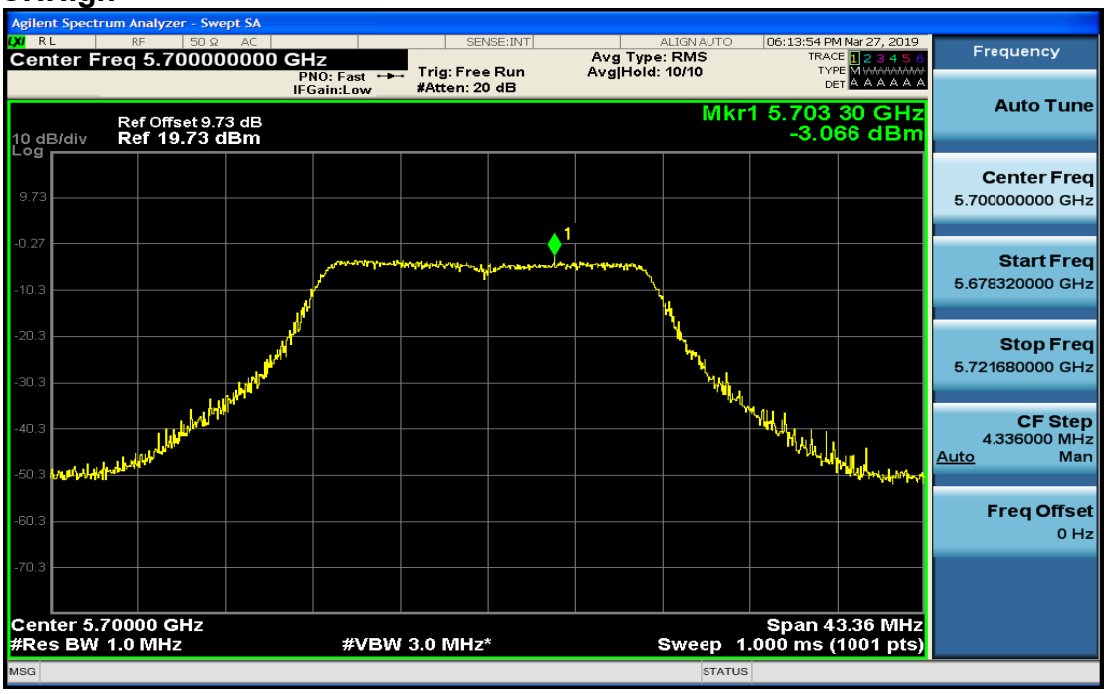
CHLow



CHMid



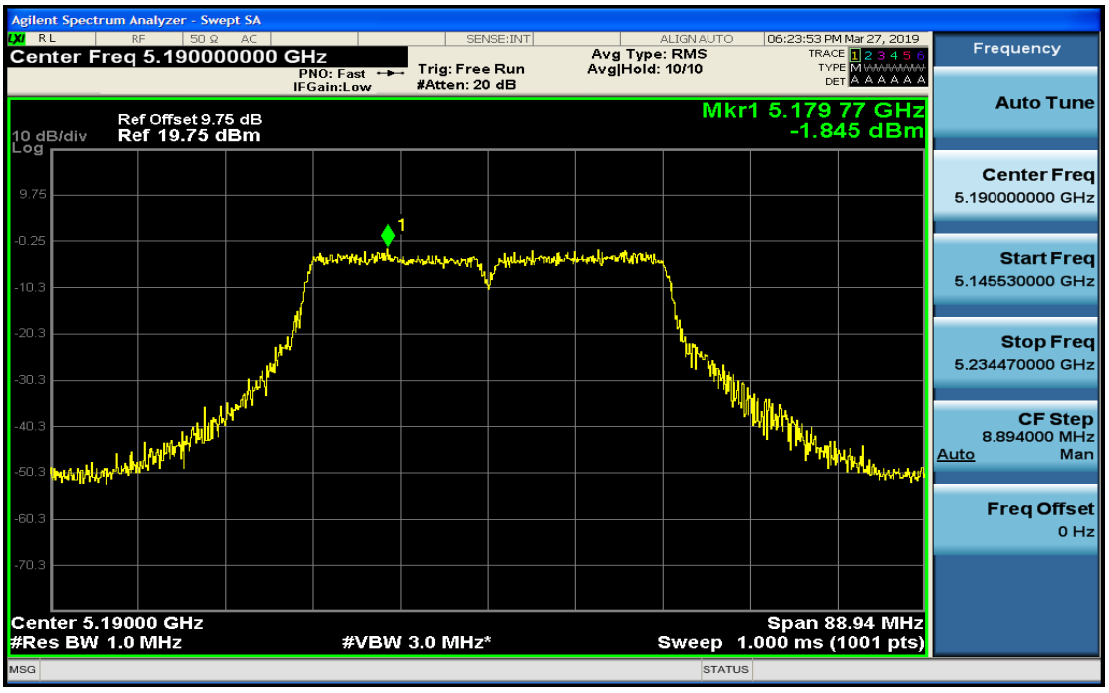
CHHigh



IEEE802.11nHT40mode

5150~5250MHz

CHLow



CHHigh

5250~5350MHz

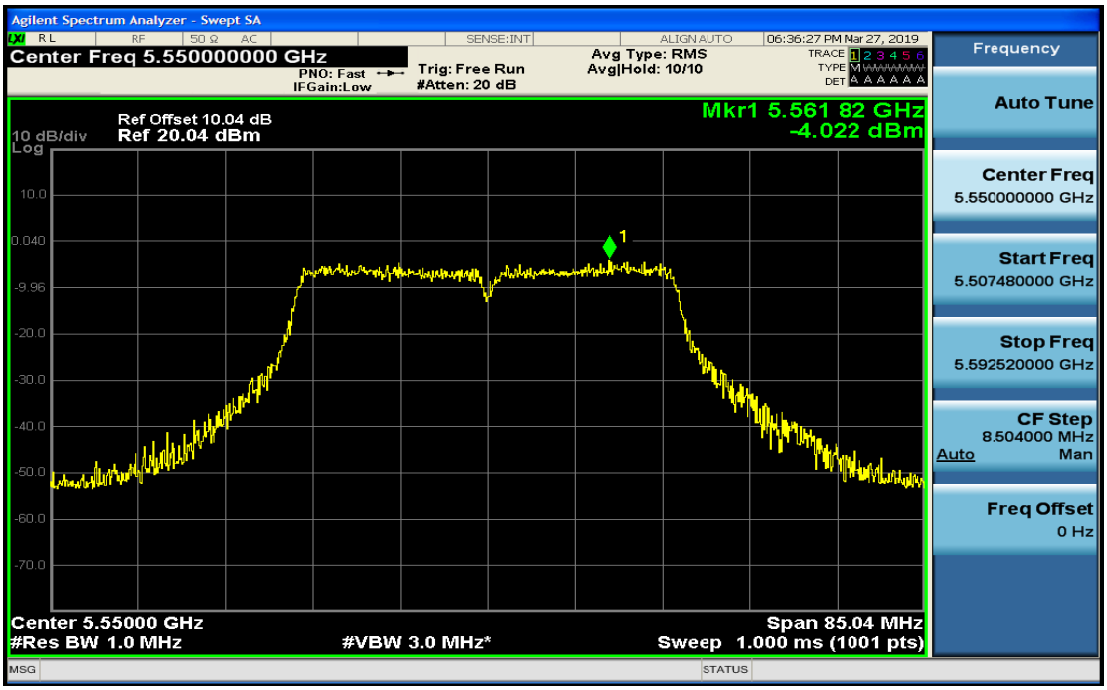
CHLow

CHHigh

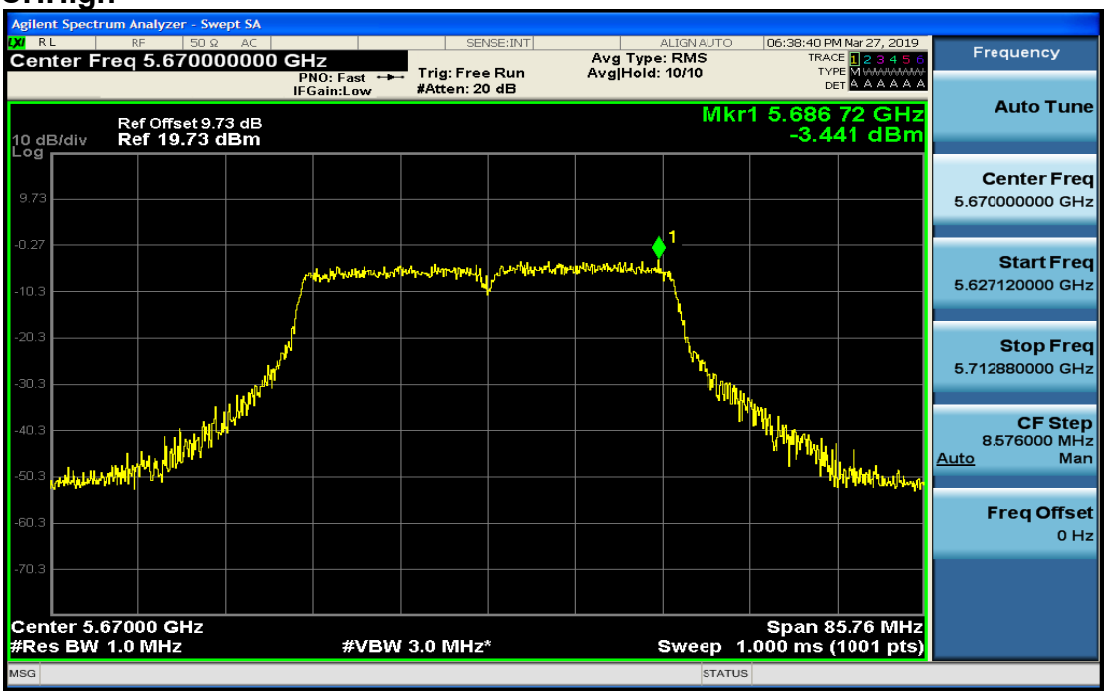
5470~5725MHz

CHLow

CHMid

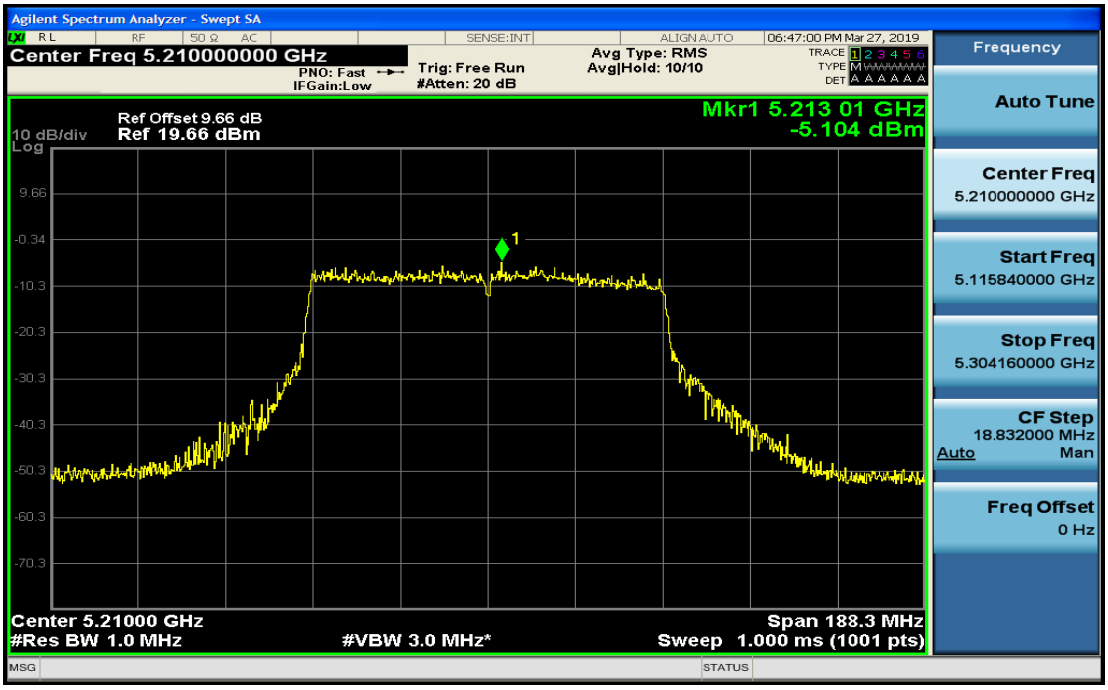


CHHigh

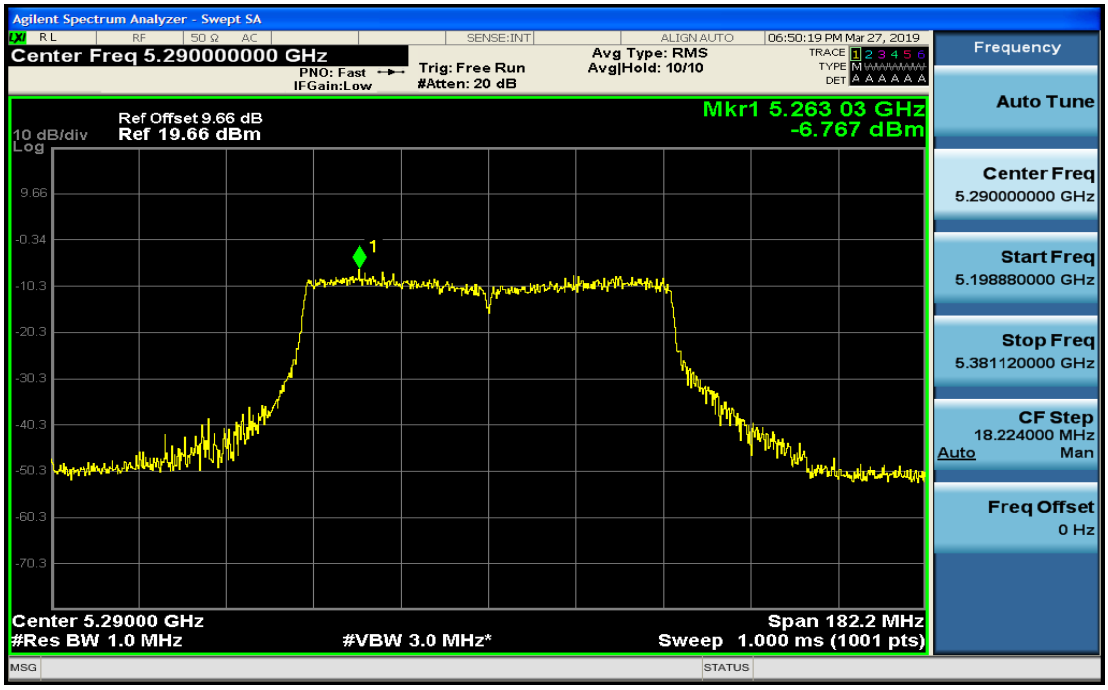


IEEE802.11nHT80mode

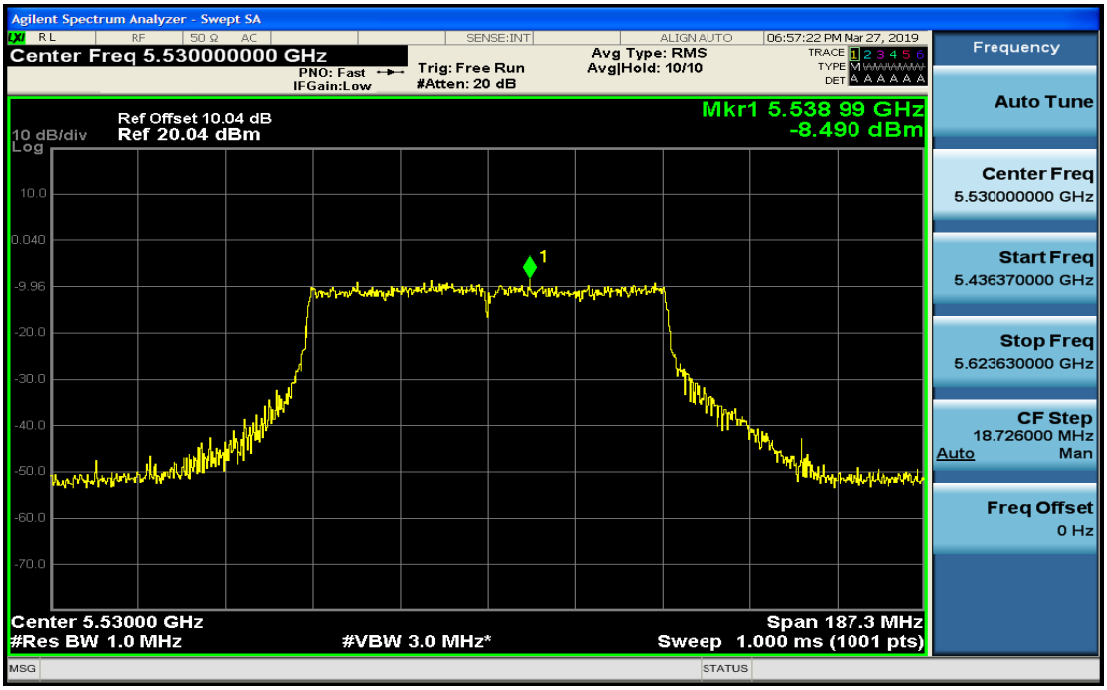
5150~5250MHz



5250~5350MHz



5470~5725MHz

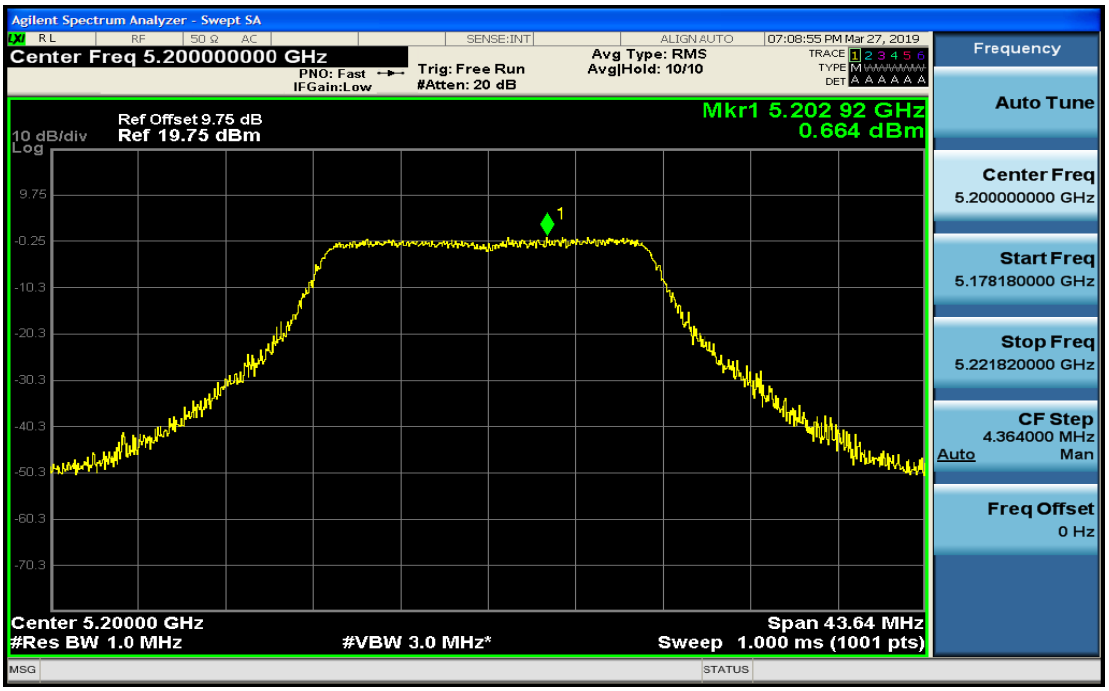


Antenna 2
IEEE802.11amode:

5150~5250MHz

CHLow

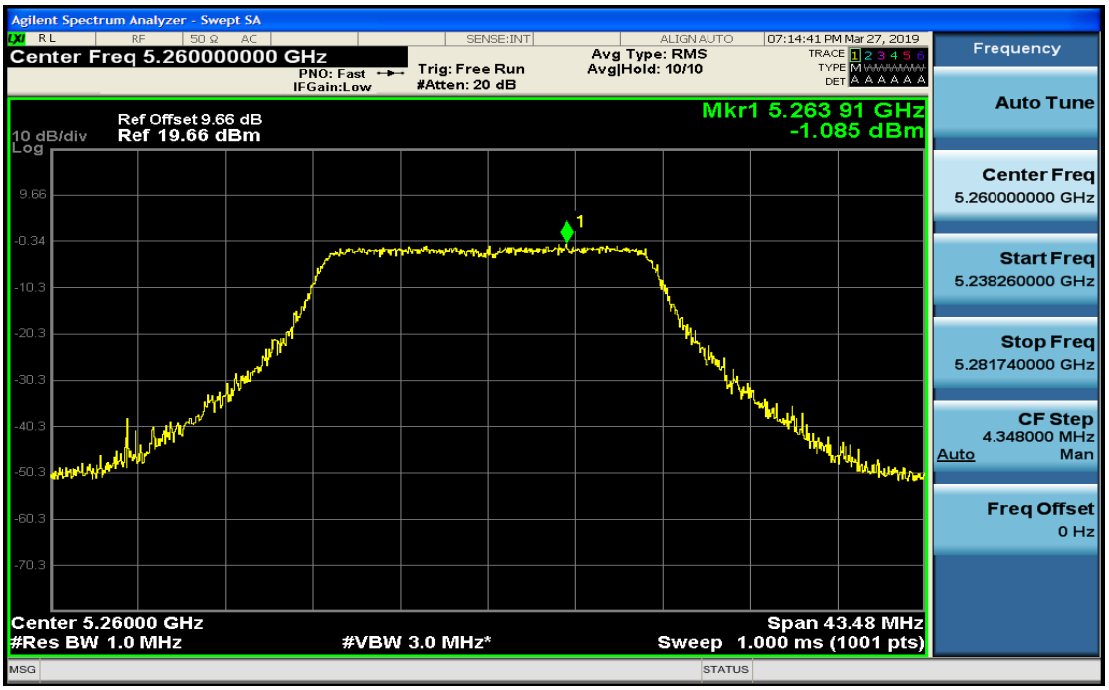
CHMid



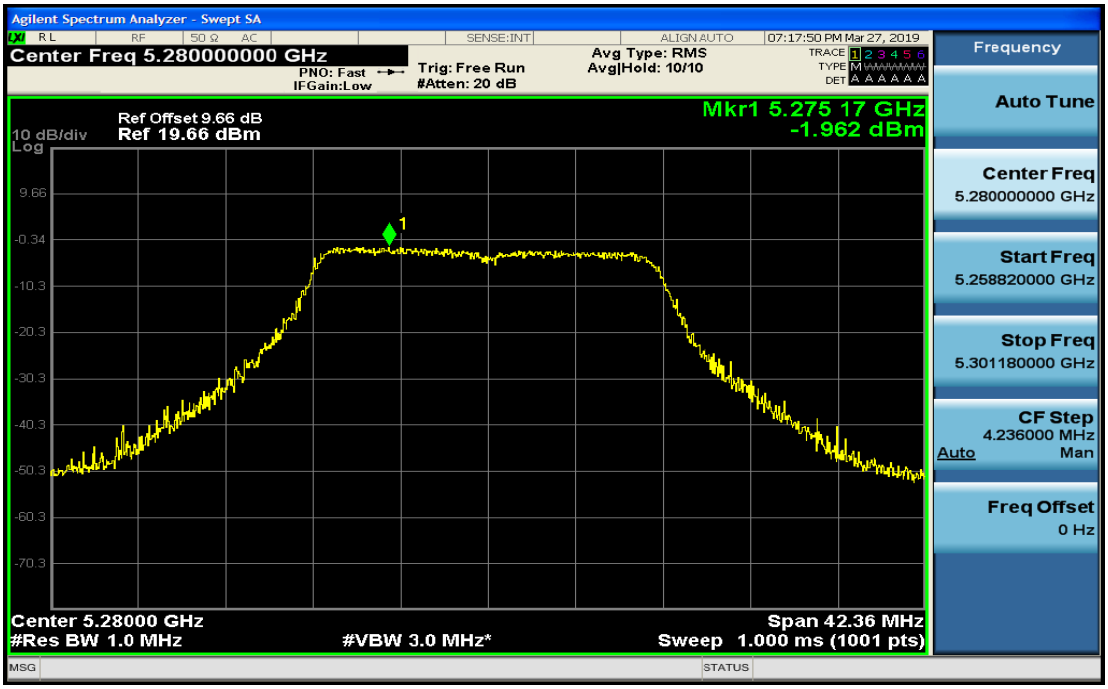
CHHigh

5250~5350MHz

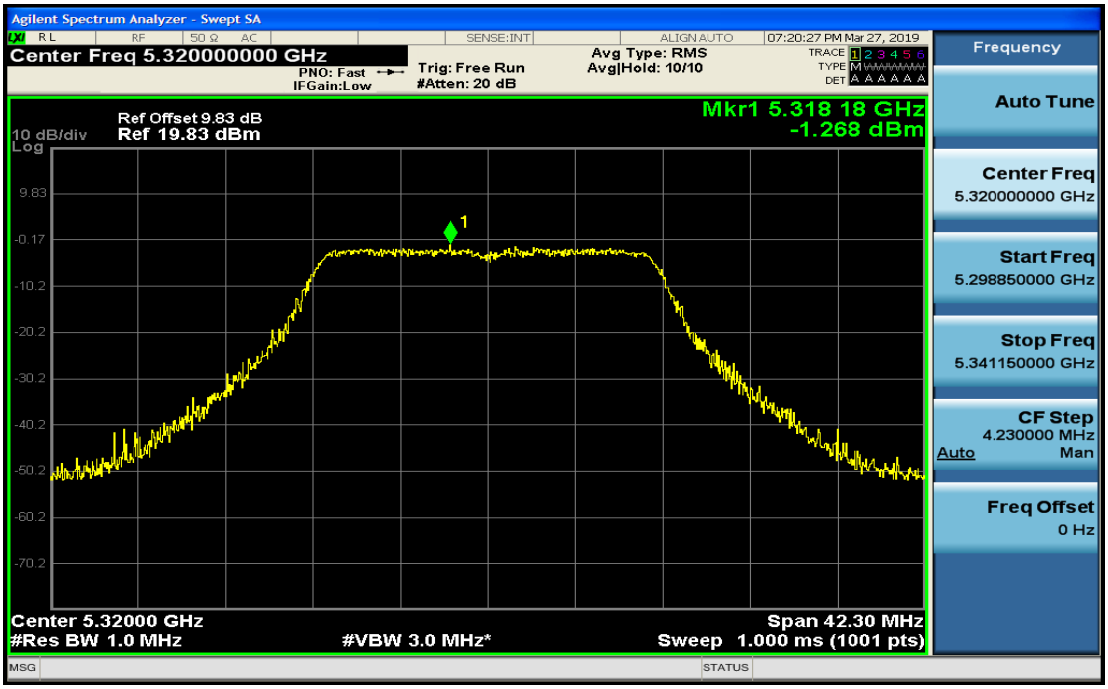
CHLow



CHMid

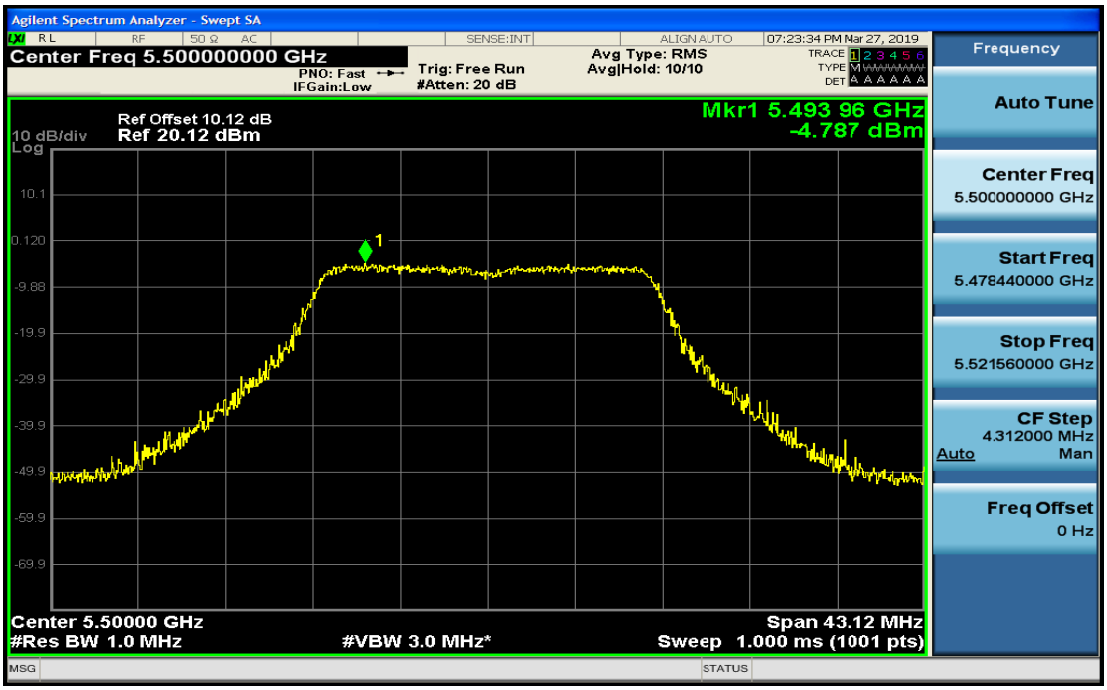


CHHigh



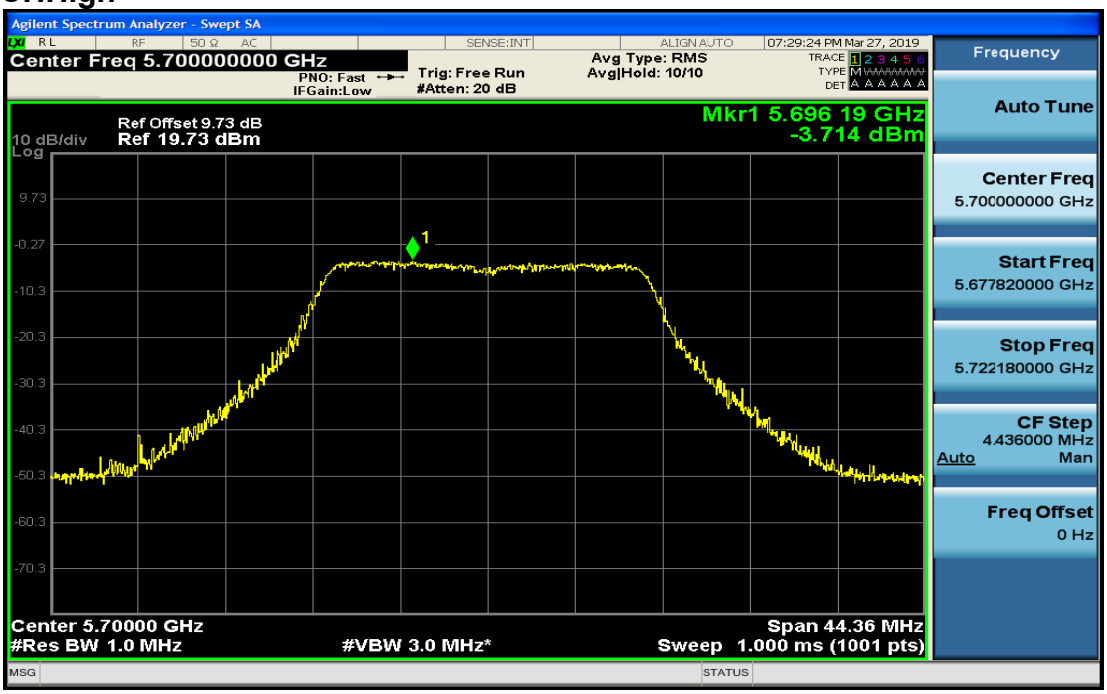
5470~5725MHz

CHLow



CHMid

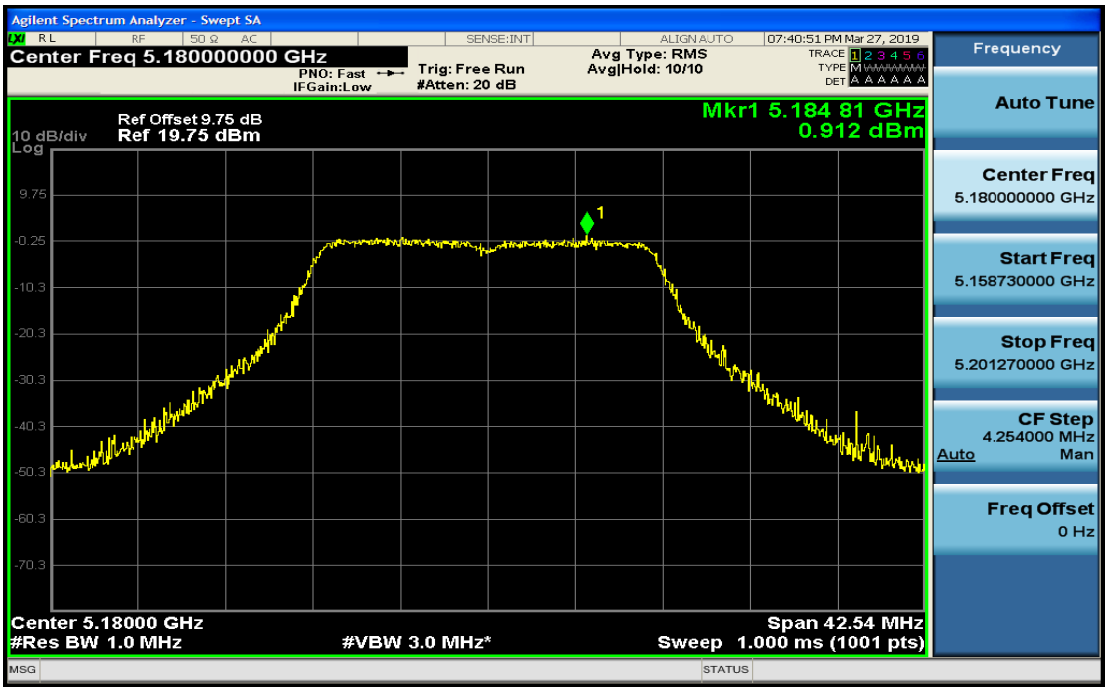
CHHigh



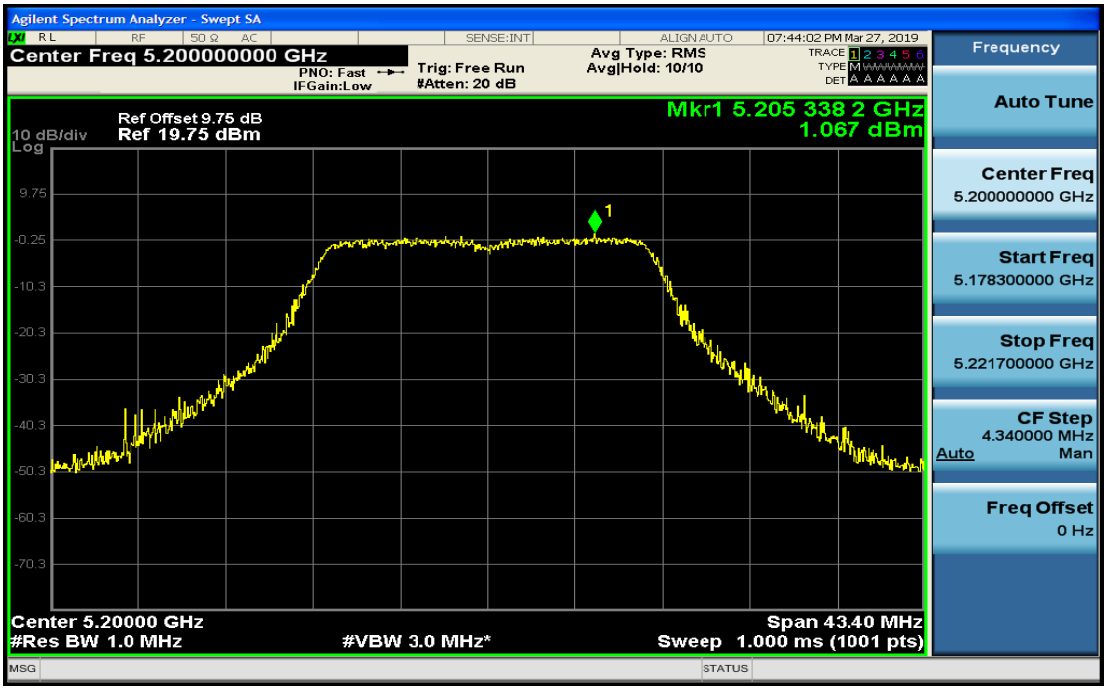
IEEE802.11nHT20mode

5150~5250MHz

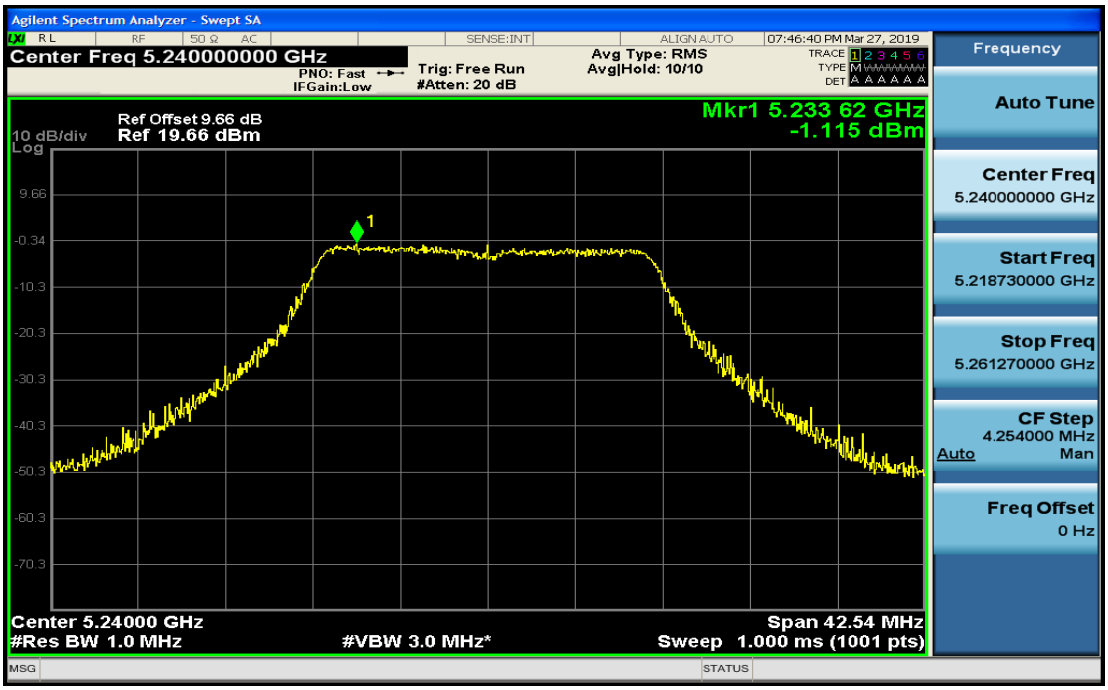
CHLow



CHMid

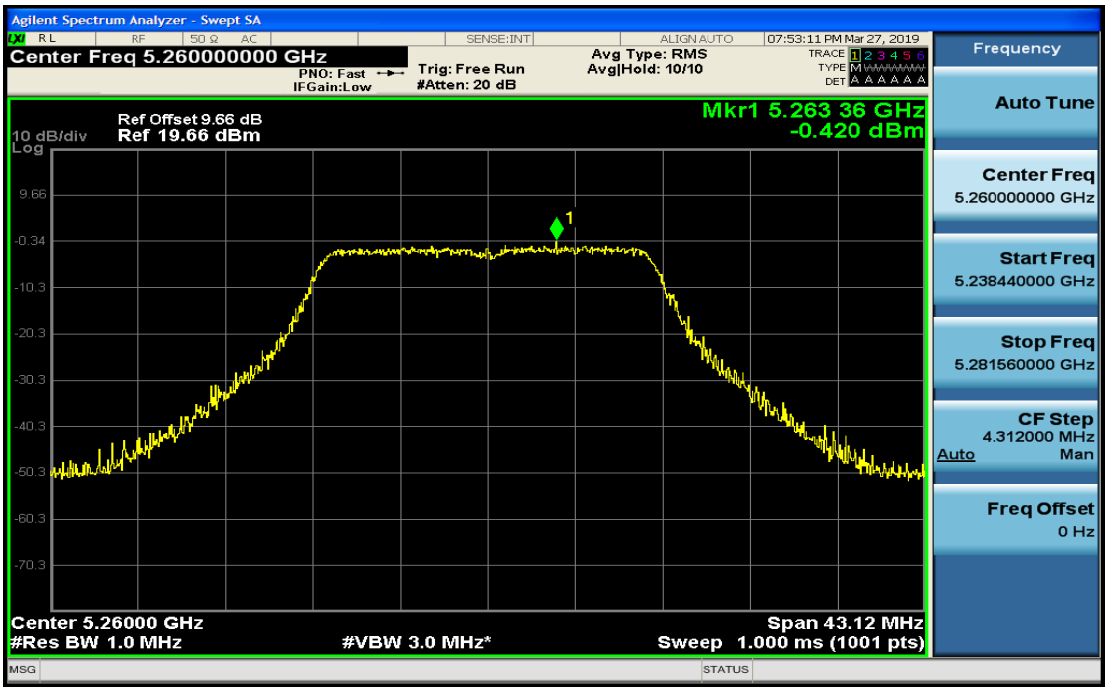


CHHigh

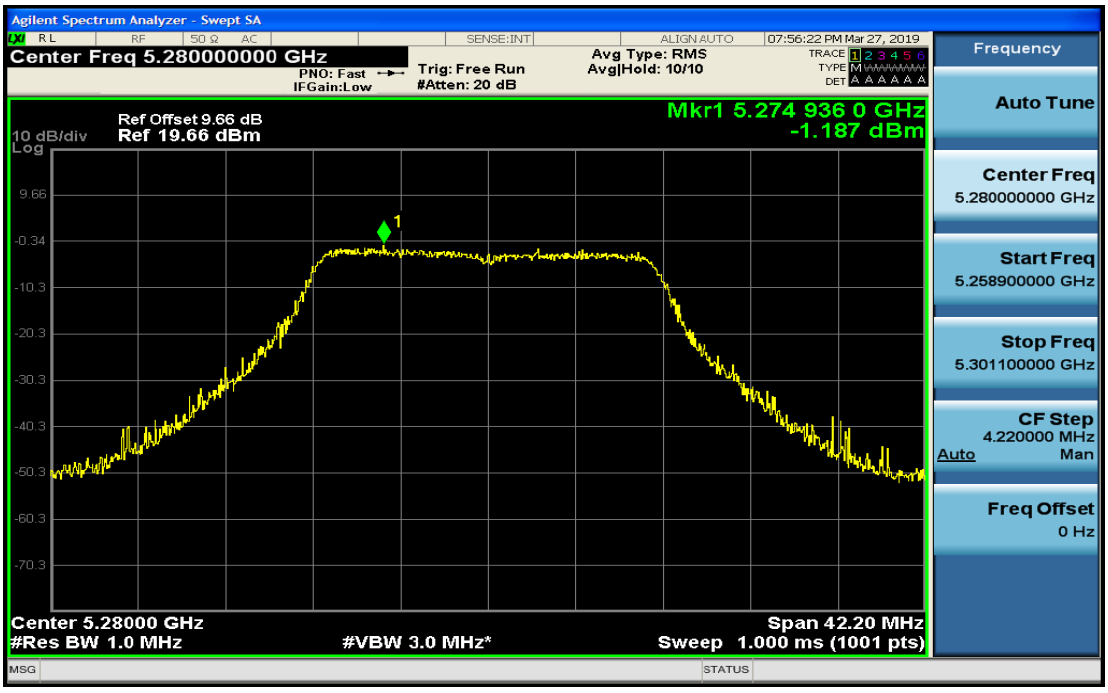


5250~5350MHz

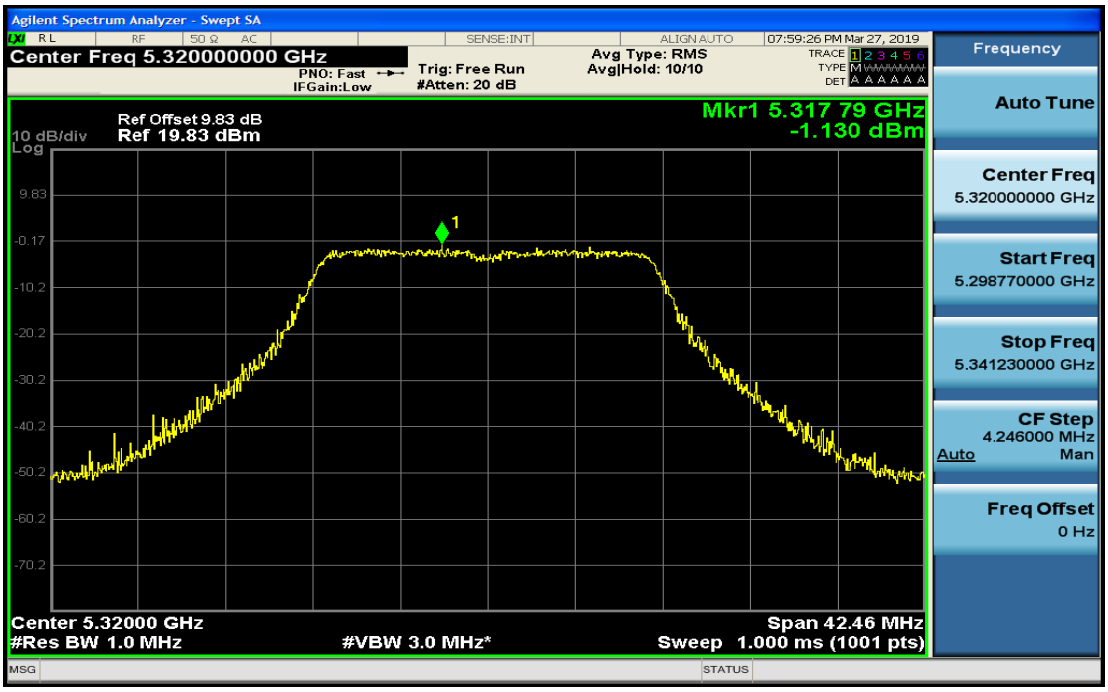
CHLow



CHMid

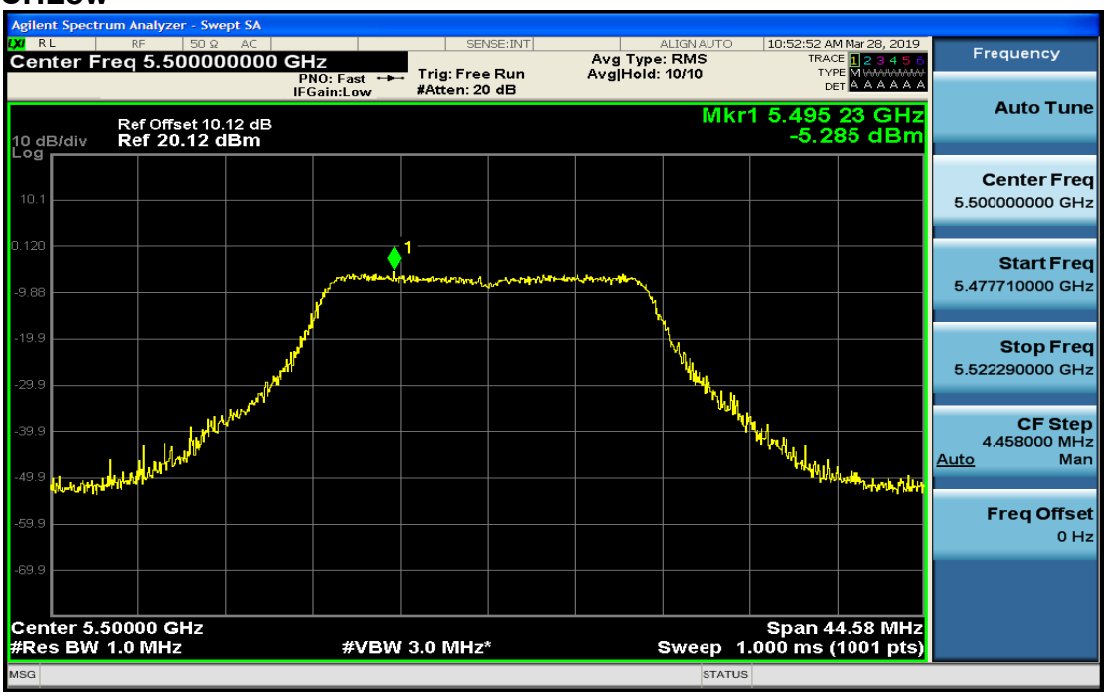


CHHigh

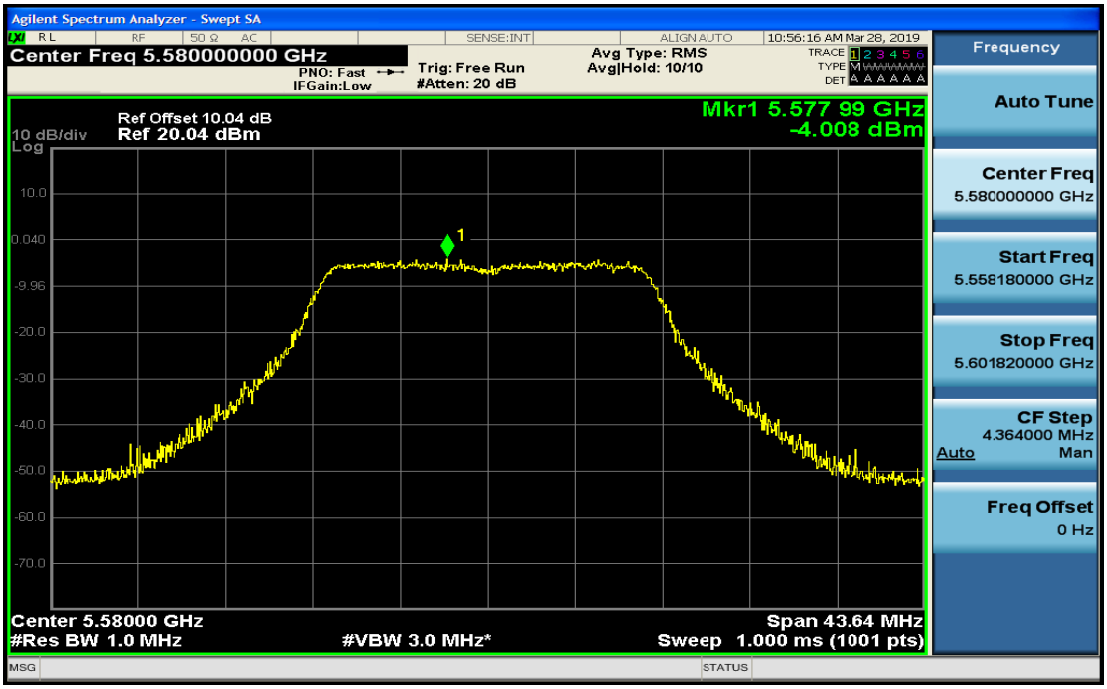


5470~5725MHz

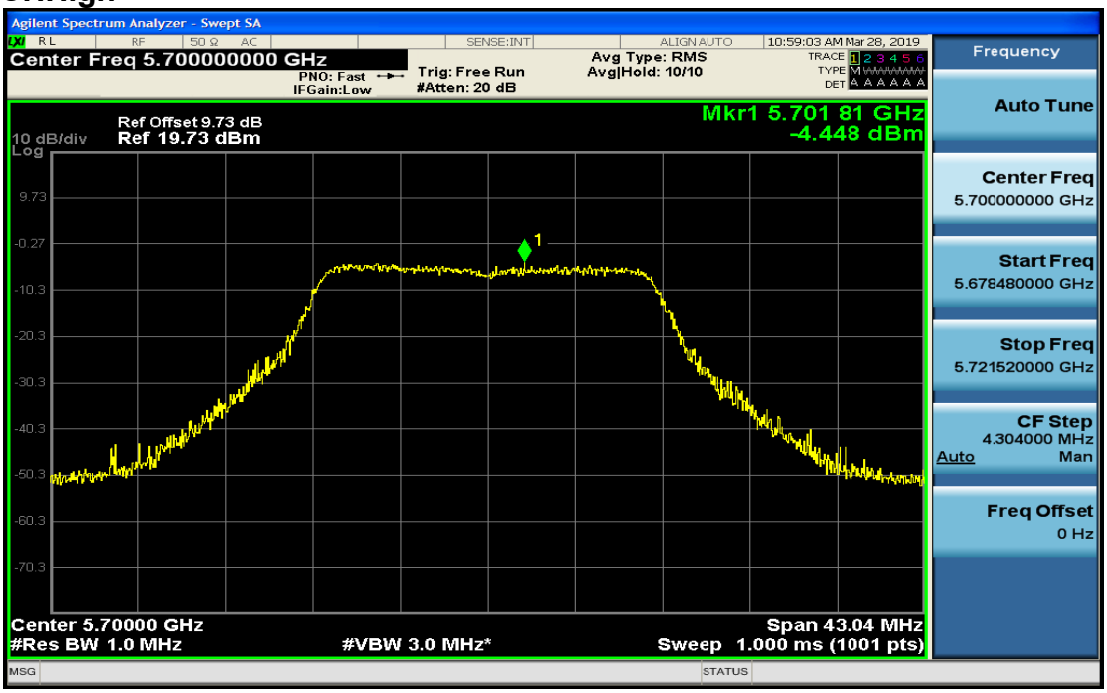
CHLow



CHMid



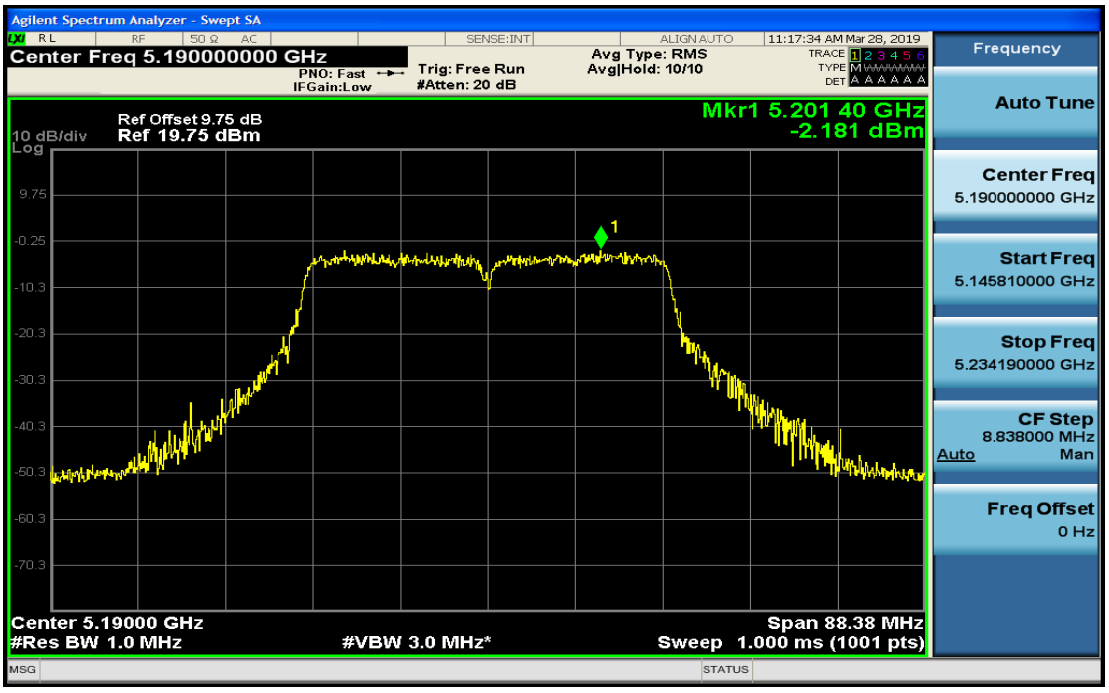
CHHigh



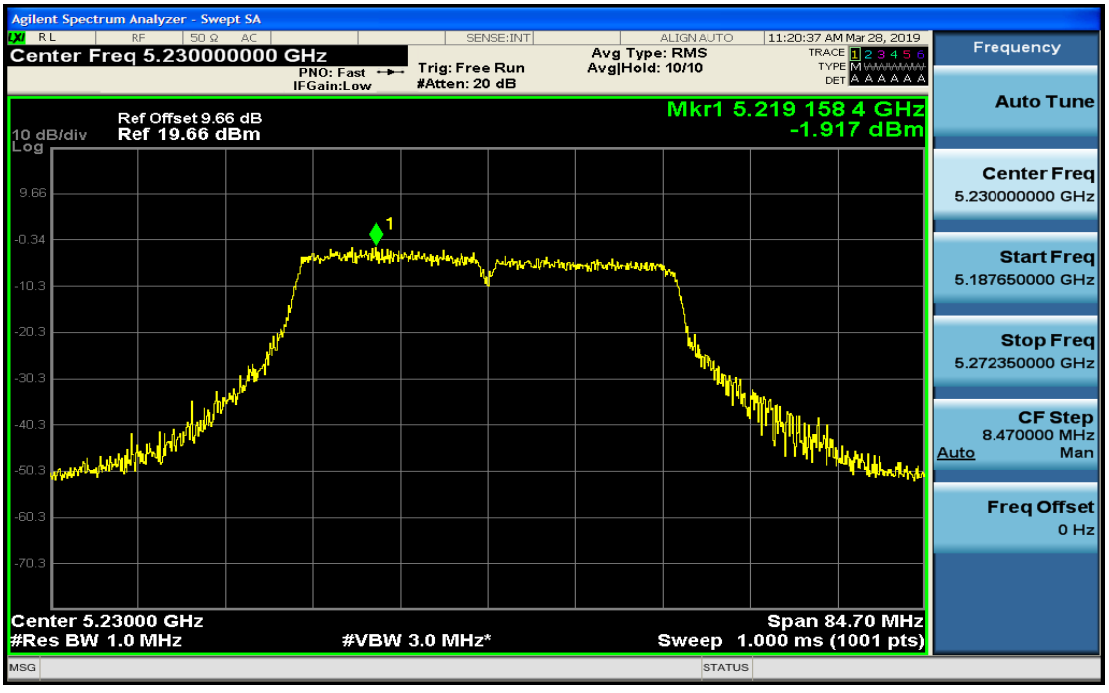
IEEE802.11nHT40mode

5150~5250MHz

CHLow

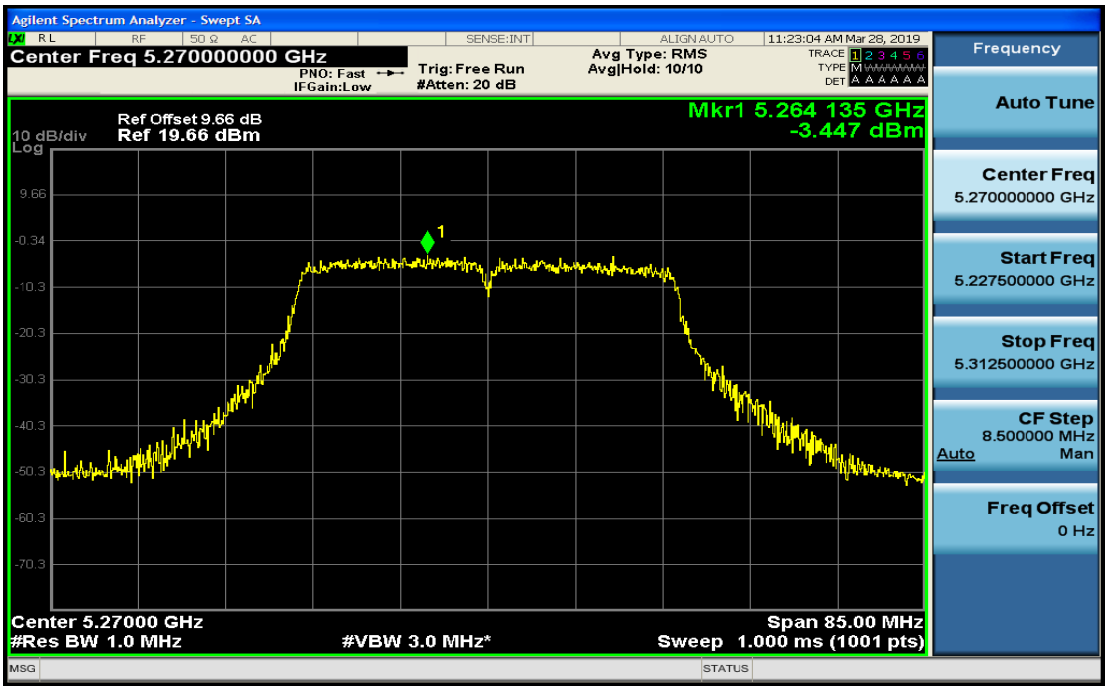


CHHigh

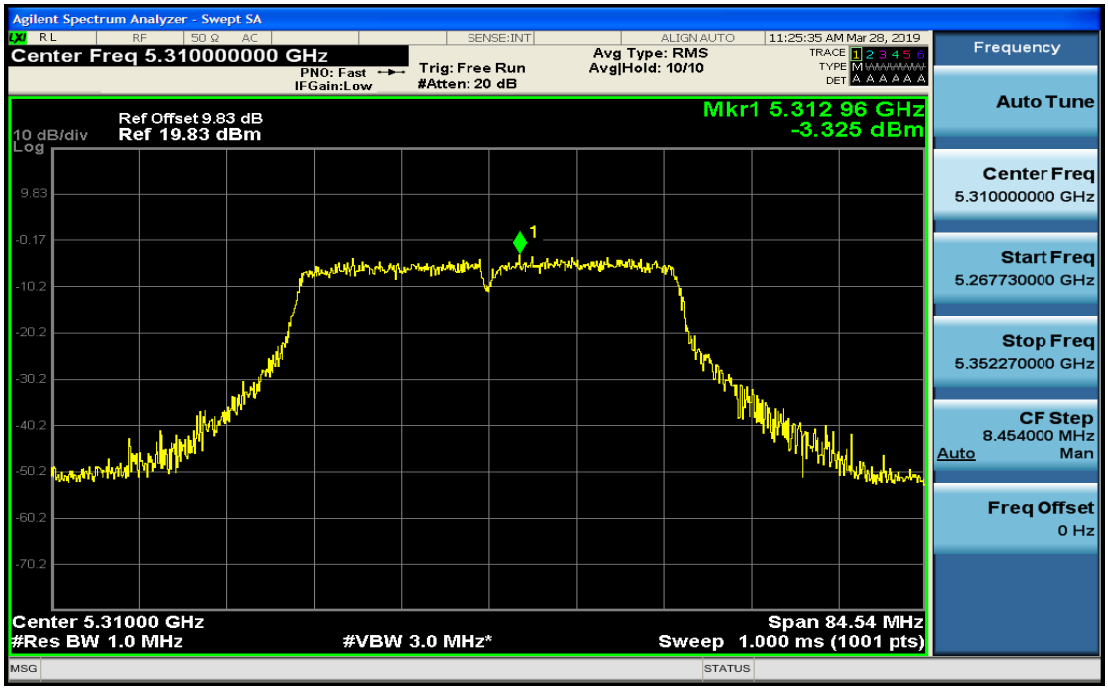


5250~5350MHz

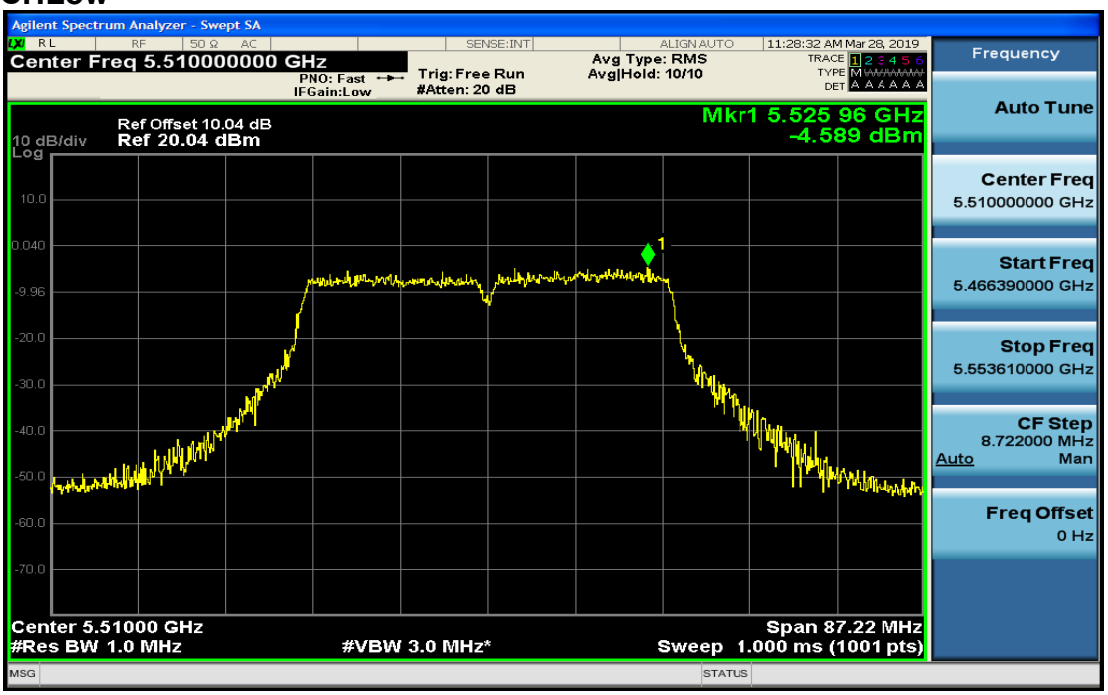
CHLow



CHHigh



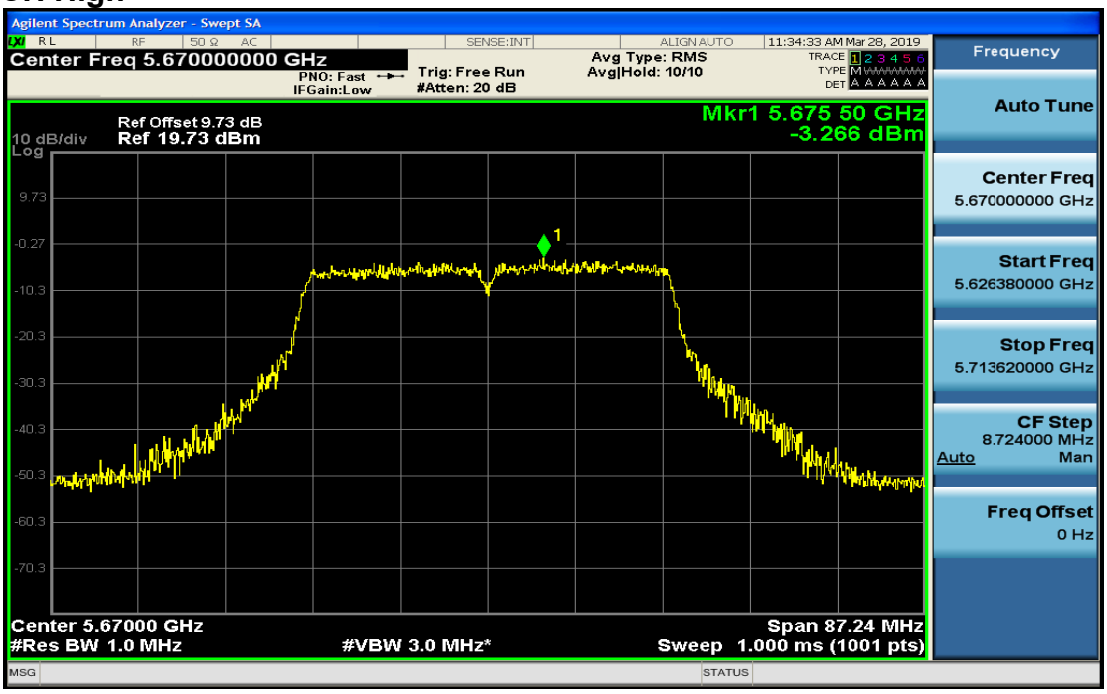
CHLow


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.510000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: RMS
Avg|Hold: 10/10
11:28:32 AM Mar 28, 2019
Ref Offset 10.04 dB
10 dB/div
Ref 20.04 dBm
Mkr1 5.525 96 GHz
-4.589 dBm
Center 5.51000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 87.22 MHz
Sweep 1.000 ms (1001 pts)
Frequency
Auto Tune
Center Freq
5.510000000 GHz
Start Freq
5.466390000 GHz
Stop Freq
5.553610000 GHz
CF Step
8.722000 MHz
Auto
Man
Freq Offset
0 Hz

CH Mid


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.550000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
Avg Type: RMS
Avg|Hold: 10/10
11:31:30 AM Mar 28, 2019
Ref Offset 10.04 dB
10 dB/div
Ref 20.04 dBm
Mkr1 5.541 32 GHz
-4.822 dBm
Center 5.55000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Span 87.68 MHz
Sweep 1.000 ms (1001 pts)
Frequency
Auto Tune
Center Freq
5.550000000 GHz
Start Freq
5.506160000 GHz
Stop Freq
5.593840000 GHz
CF Step
8.768000 MHz
Auto
Man
Freq Offset
0 Hz

CH High

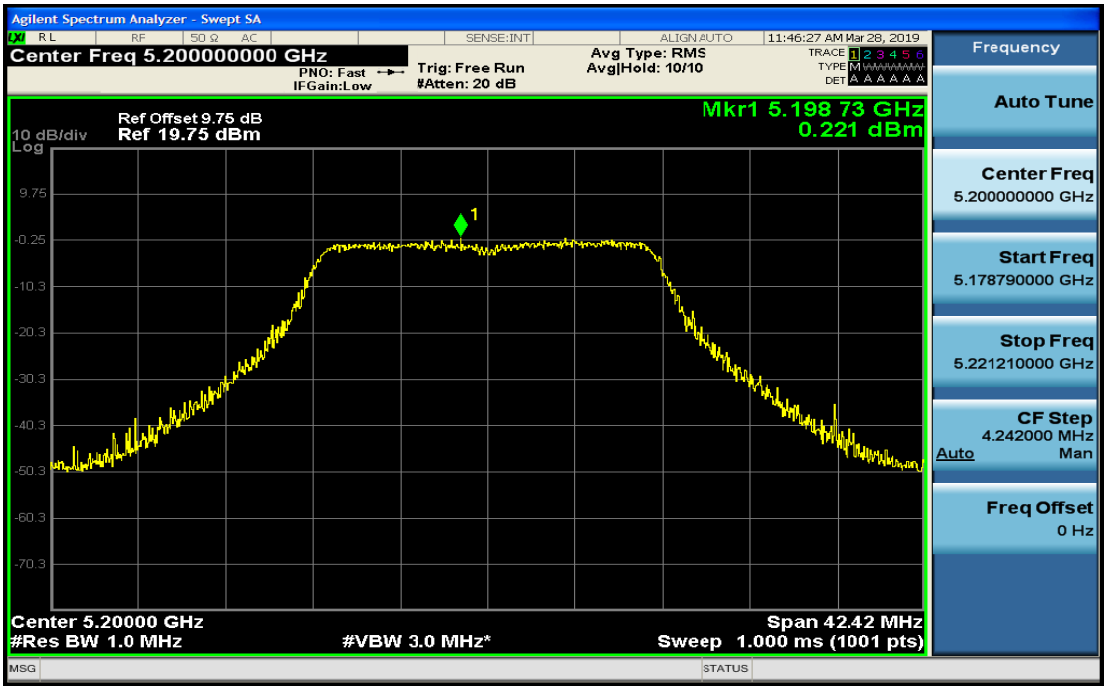


IEEE802.11ac HT20mode

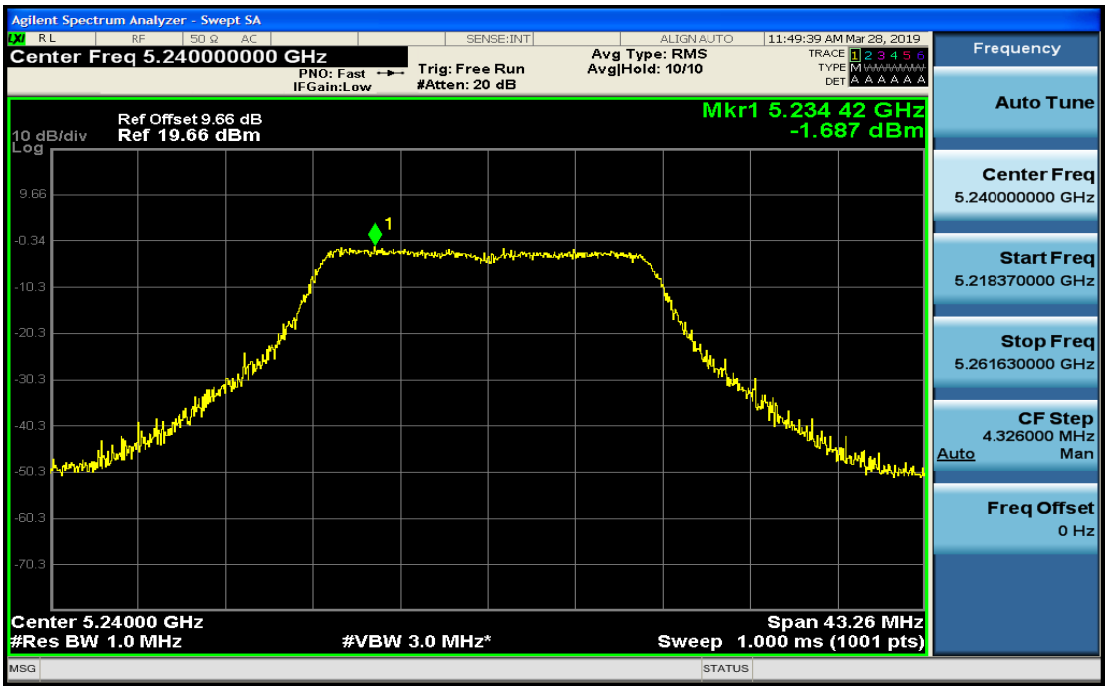
5150~5250MHz

CHLow

CHMid



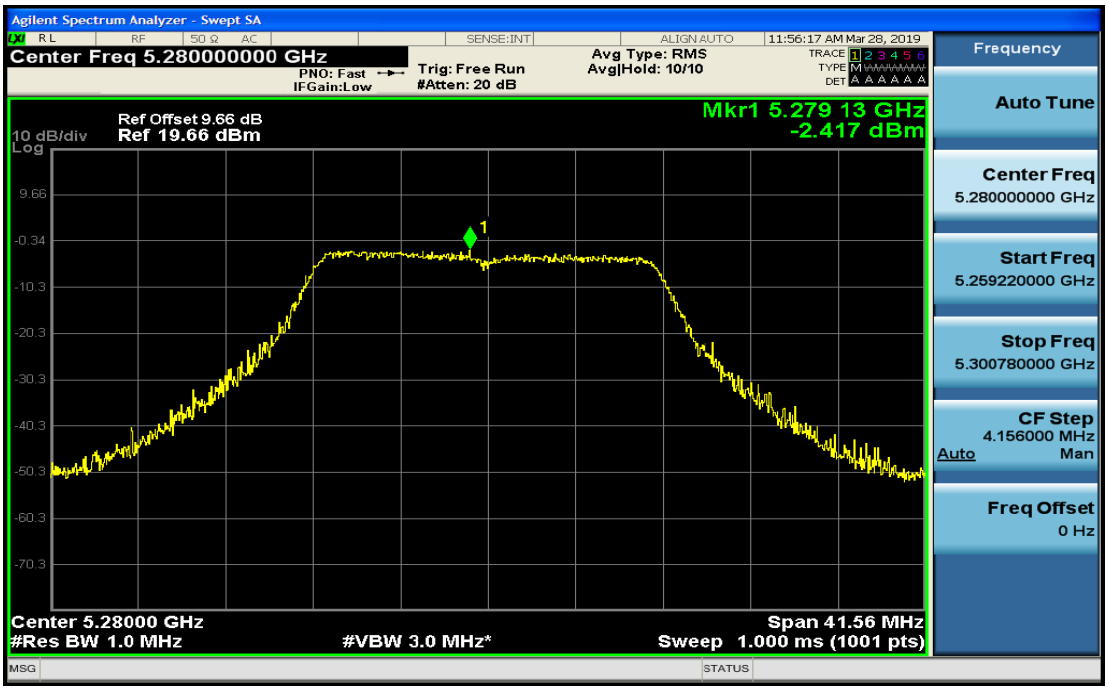
CHHigh



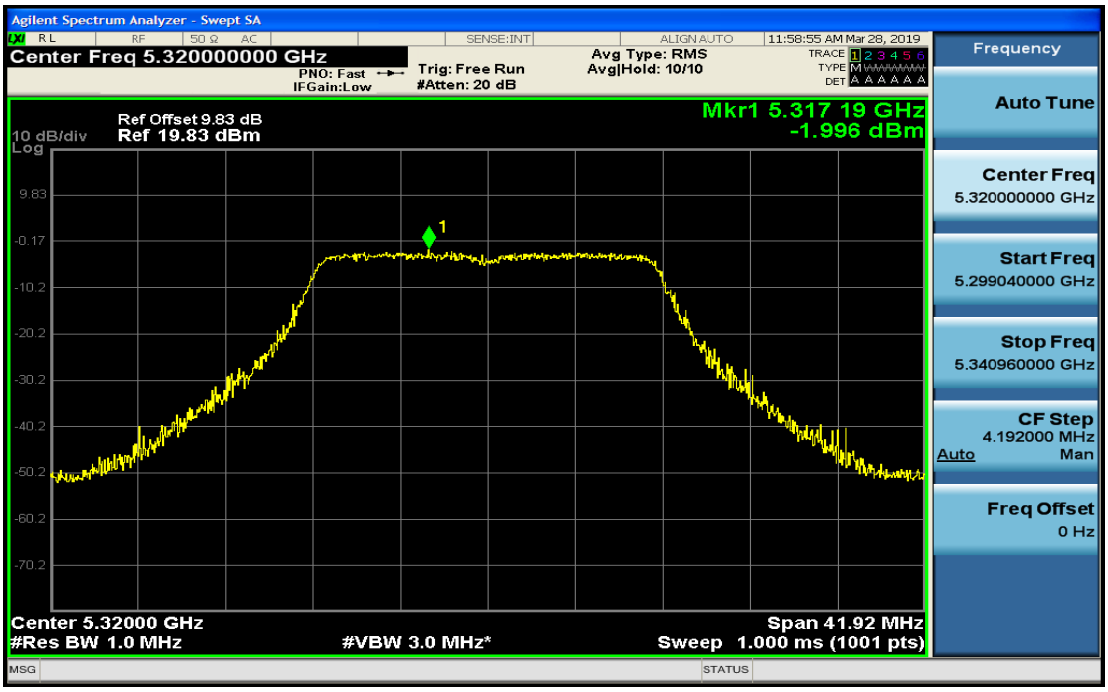
5250~5350MHz

CHLow

CHMid

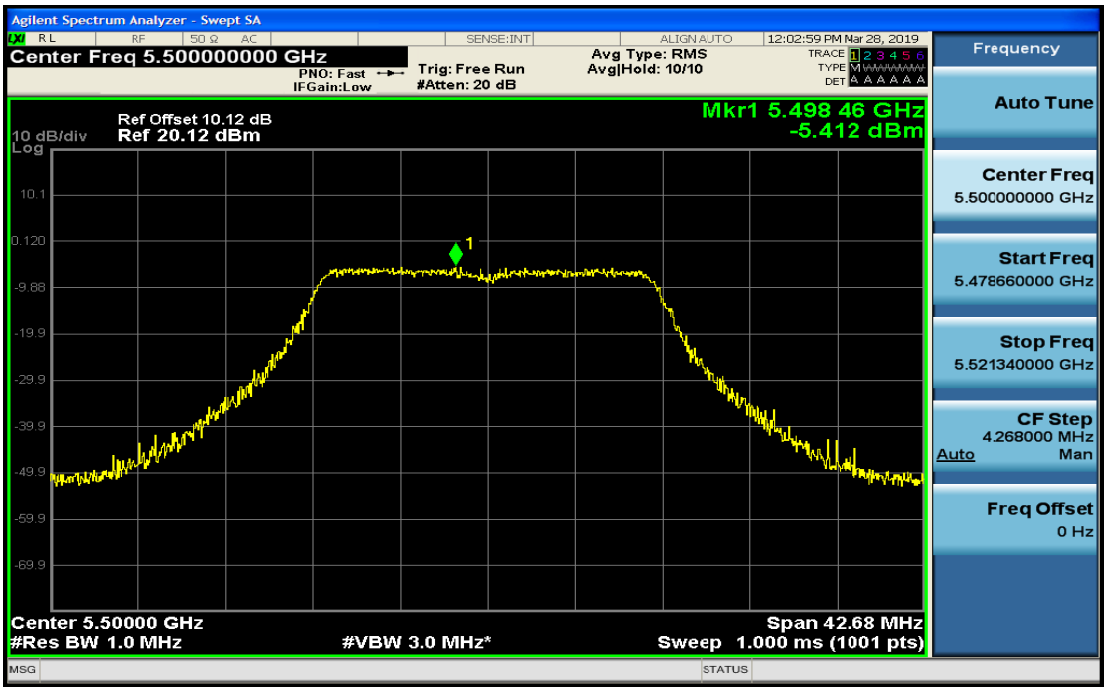


CHHigh

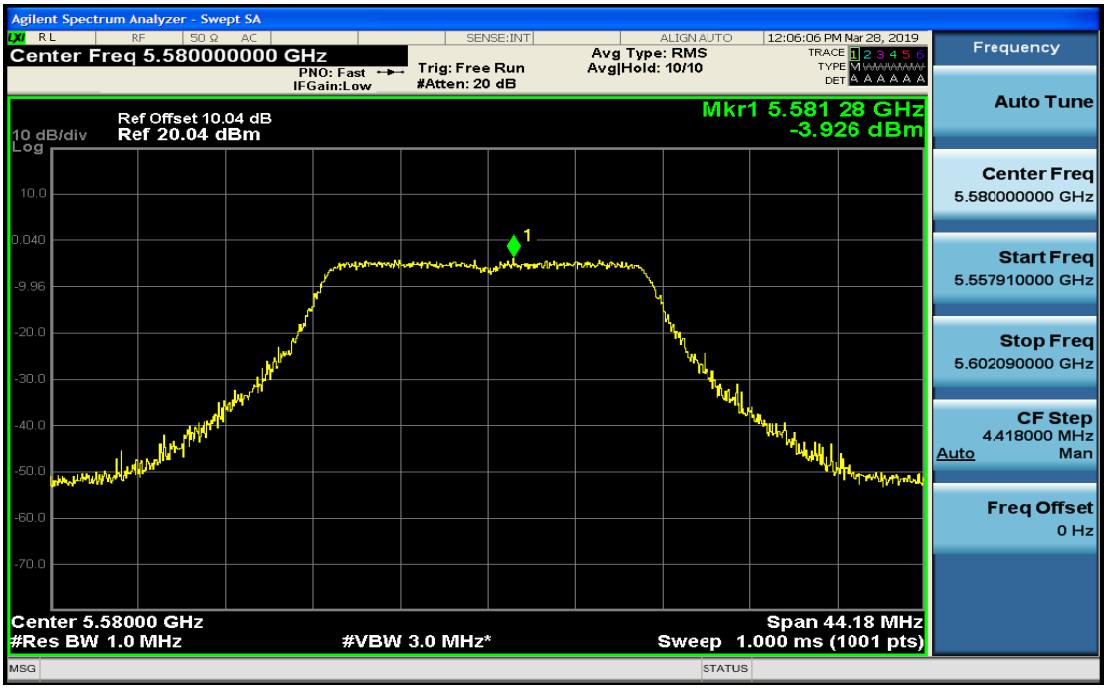


5470~5725MHz

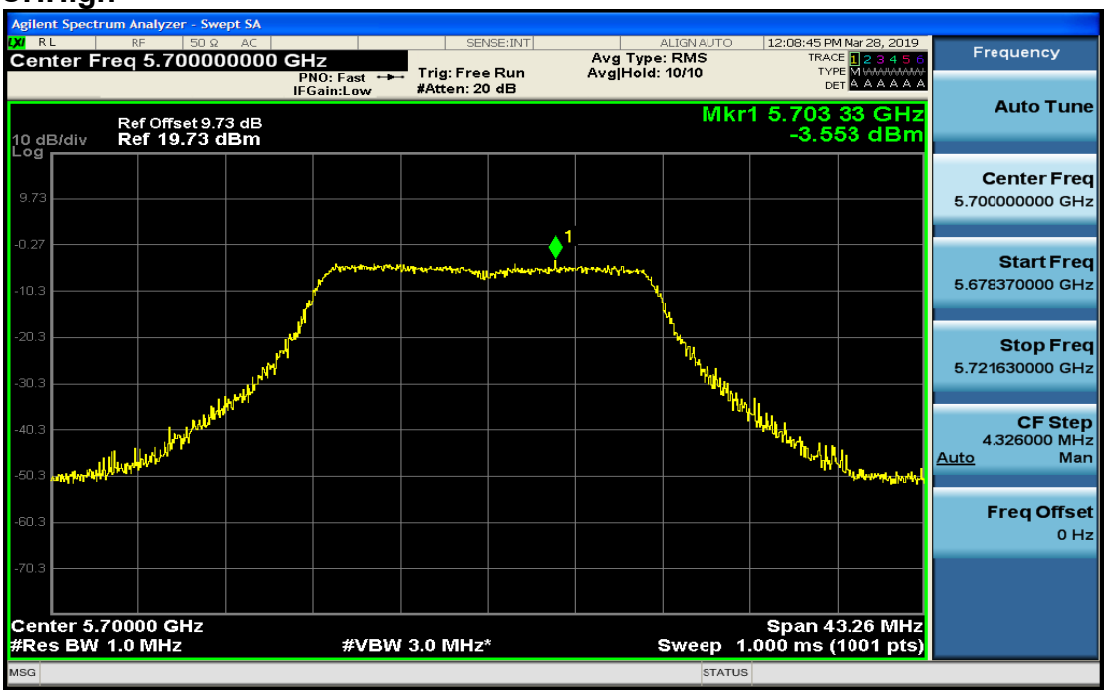
CHLow



CHMid



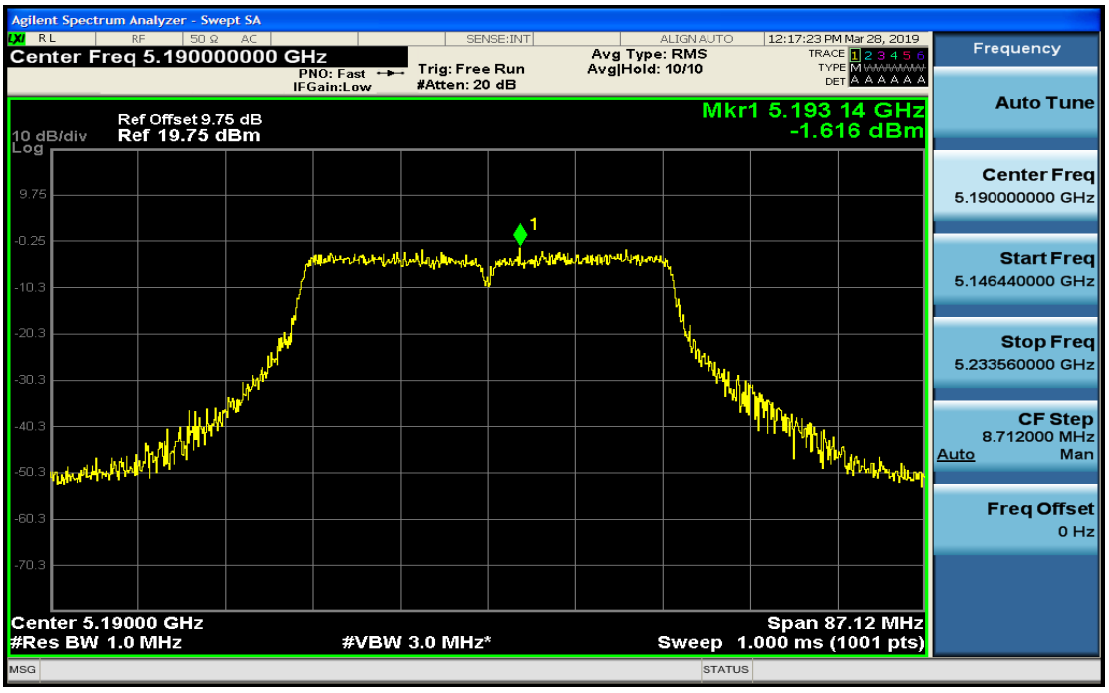
CHHigh



IEEE802.11nHT40mode

5150~5250MHz

CHLow

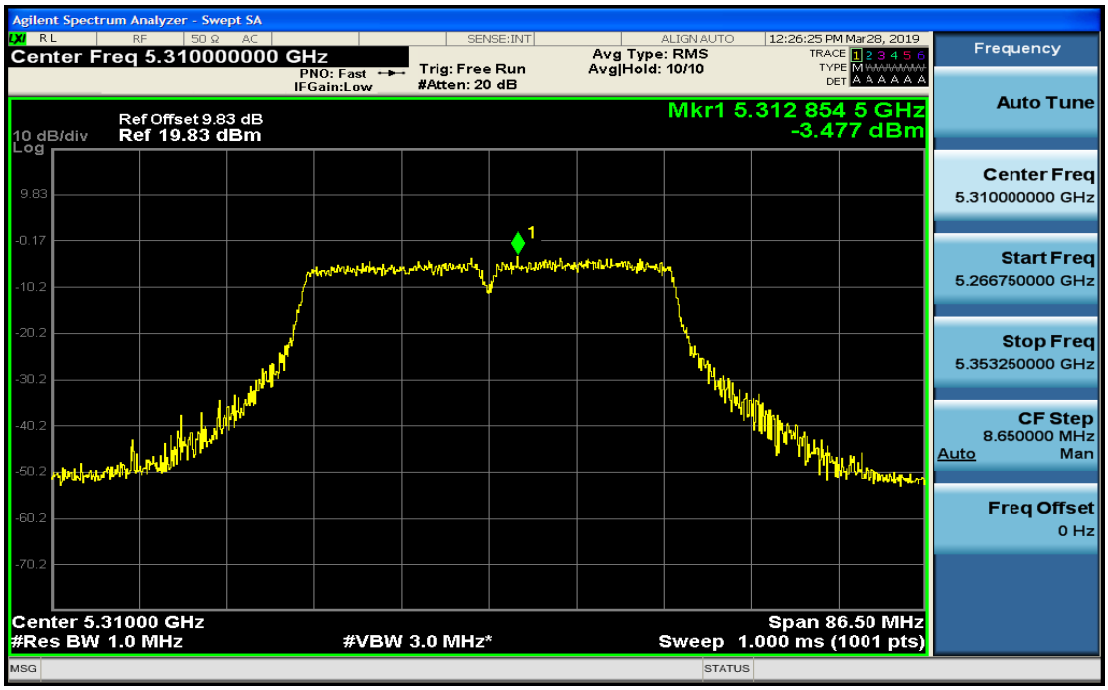


CHHigh

5250~5350MHz

CHLow

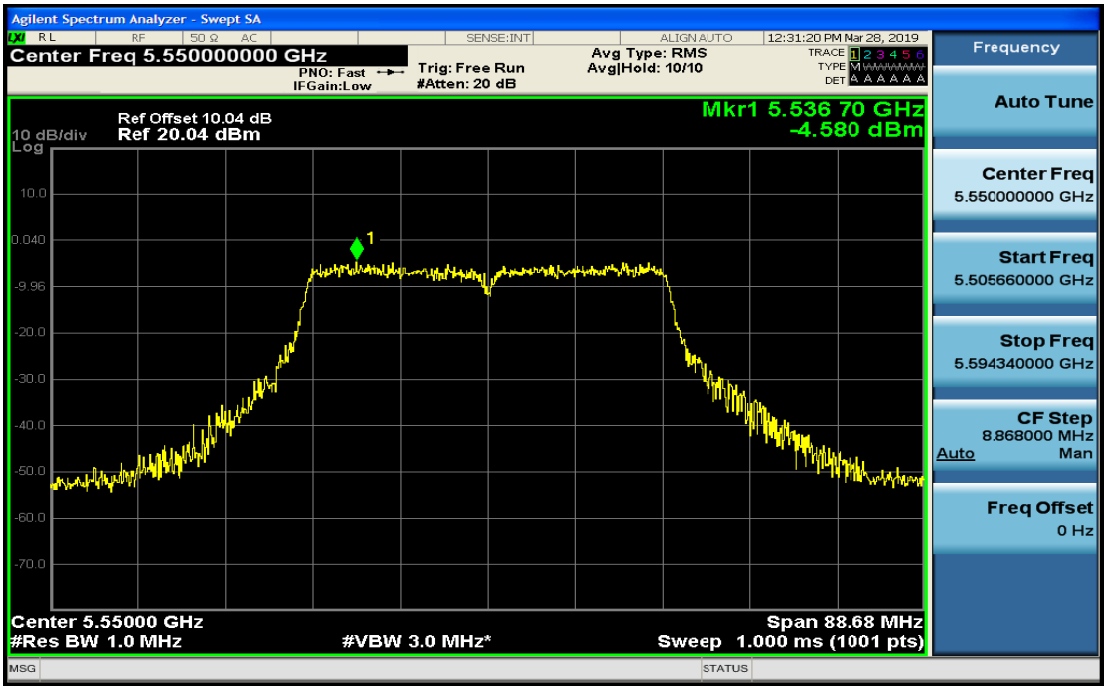
CHHigh



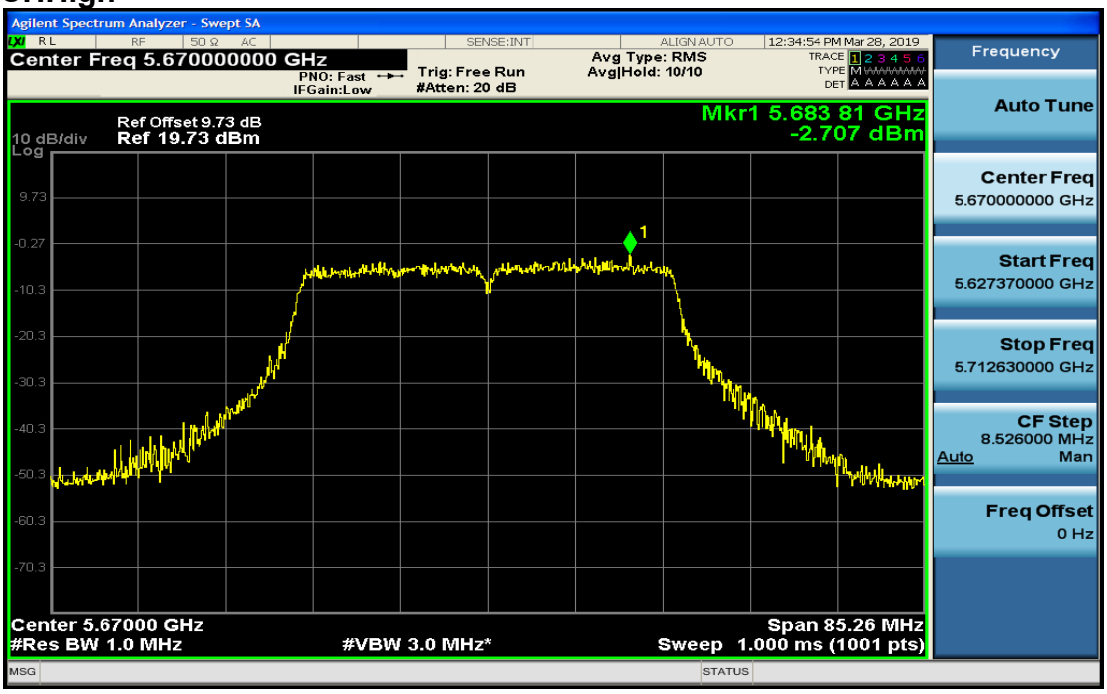
5470~5725MHz

CHLow

CHMid

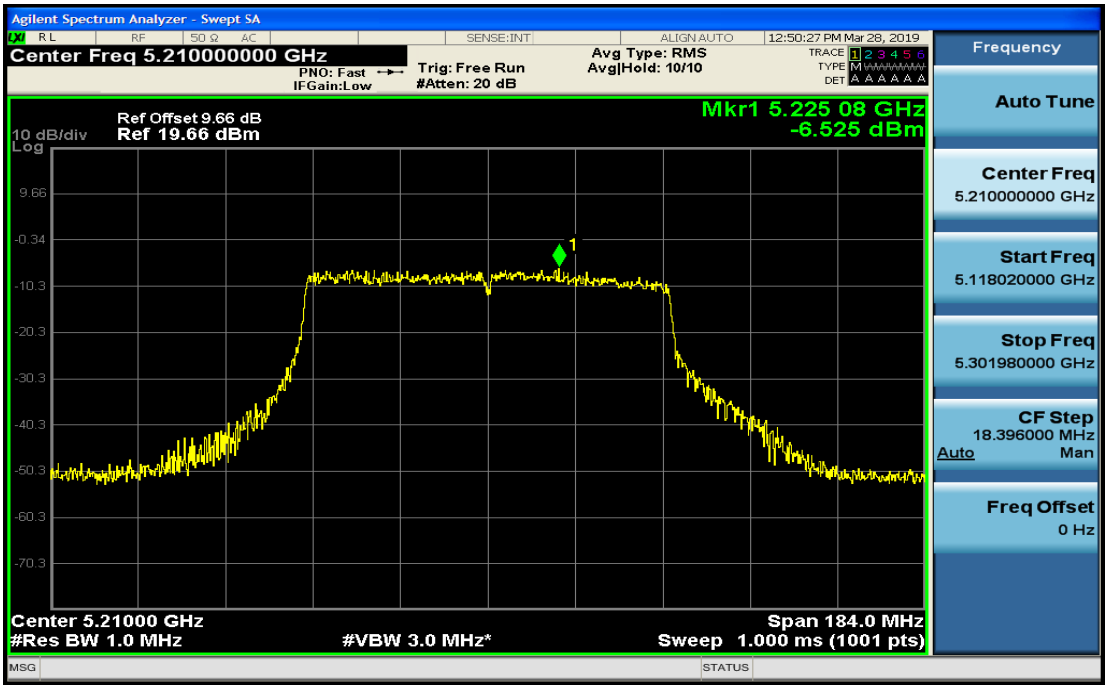


CHHigh

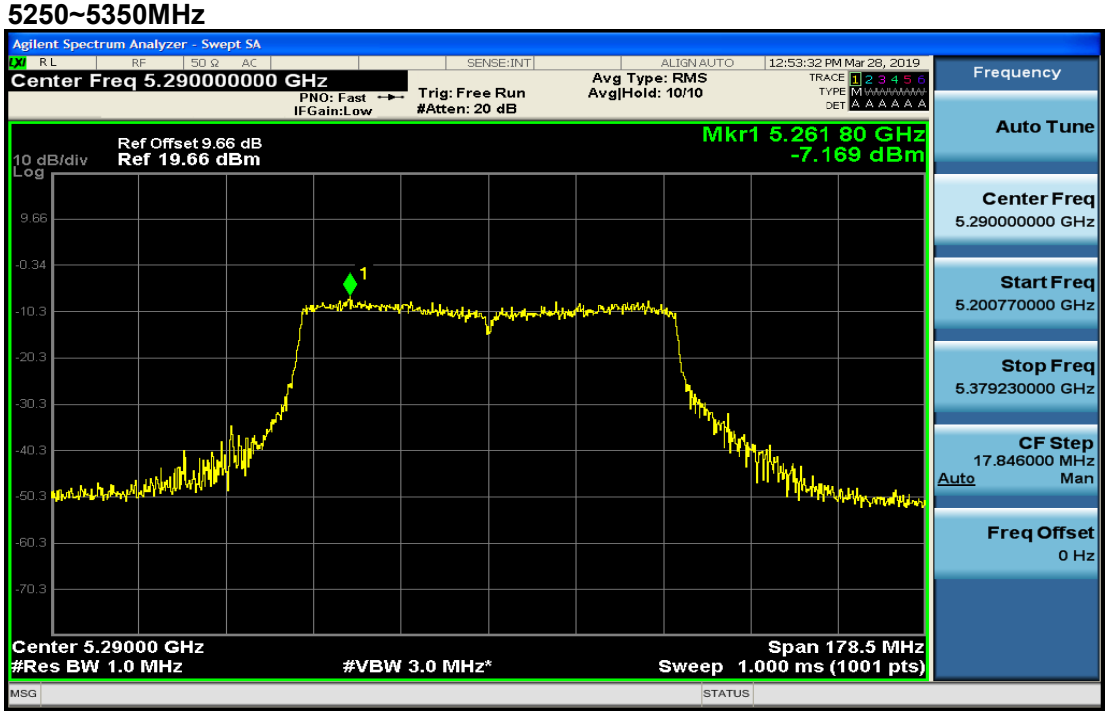


IEEE802.11nHT80mode

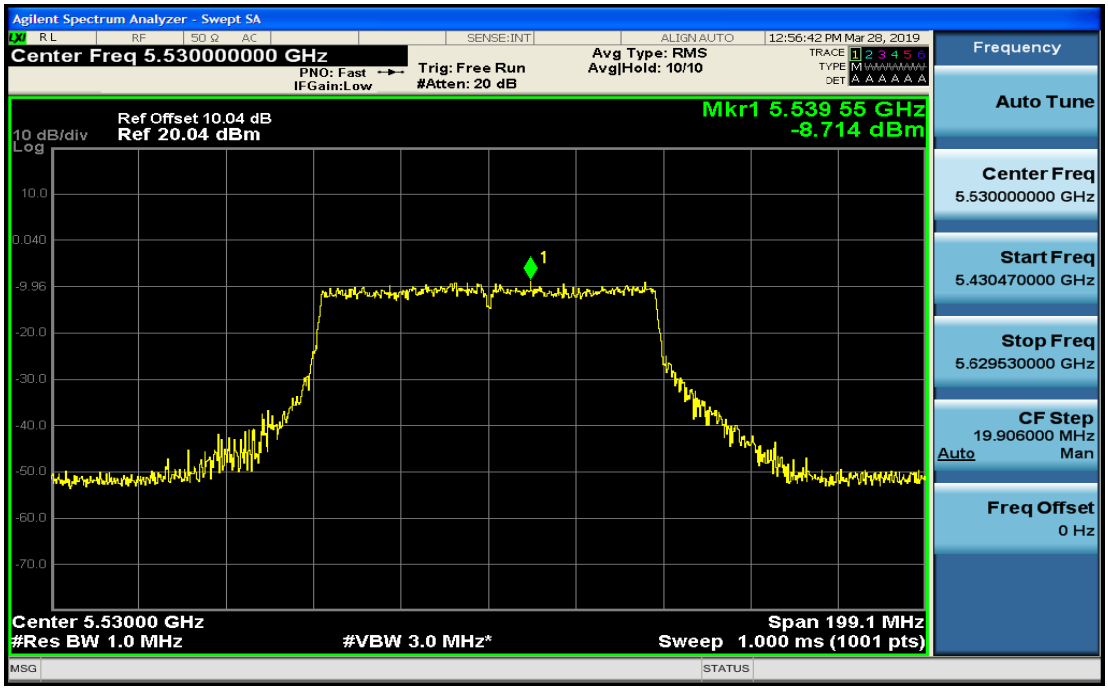
5150~5250MHz



5250~5350MHz



5470~5725MHz

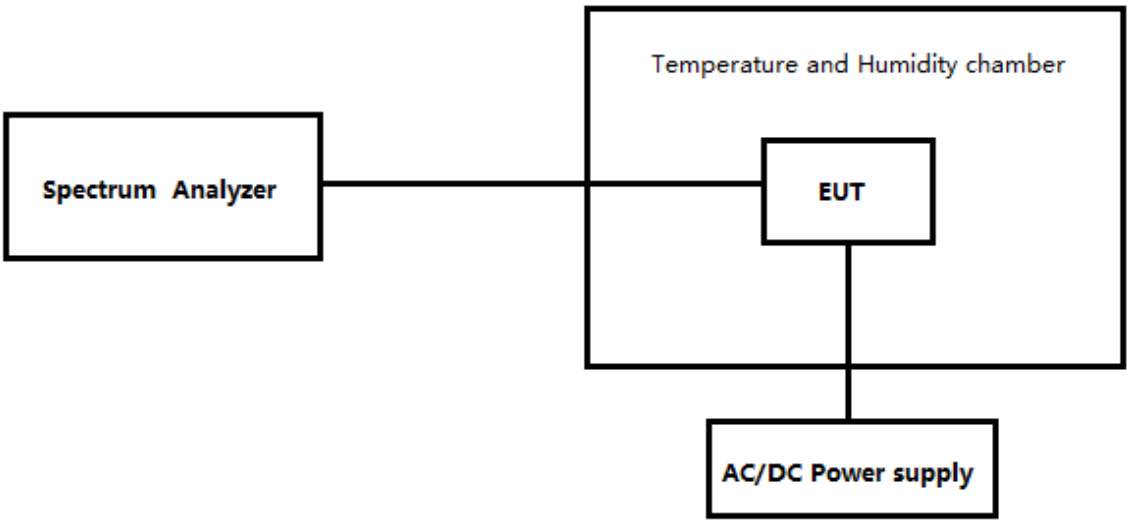


6.6 FREQUENCY STABILITY MEASUREMENT

LIMIT

According to§15.407(g),Manufacturersof U-NII devices are responsible for ensuring frequency stability suchthat an emission is maintained within the band of operation under all conditions of normaloperation as specified in the user'smanual.

TESTCONFIGURATION



TESTPROCEDURE

1. Toensureemissionattheband edge ismaintainedwithintheauthorizedband,thosevaluesshallbe measured byradiation emissions at upper and lower frequency points, and finally compensated by frequency deviation asprocedures below.
2. The EUTwas operated atthe maximum output power, and connected to the spectrum analyzer, whichissettomaximumholdfunctionandpeakdetector.Thepeakvalueofthepowerenvelopewas measured and noted.The upper and lower frequency points were respectively measured relatively 10dB lower than the measured peak value.
3. The frequency deviationwas calculated by addingthe upper frequency point and the lower frequency point divided by two.Those detailed values of frequency deviationare provided in table below.

TESTRESULTS

Antenna 1

U-NII-1-(5150MHz-5250MHz)					
Freq.(MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stability (ppm)	Temperature (°C)	Voltage (V)
5180	5179.991	-0.009	-1.737	25	V_{min}
5180	5180.008	0.008	1.544	25	V_{max}
5180	5179.994	-0.006	-1.158	25	V_{nor}
5180	5179.992	-0.008	-1.544	-10	V_{nor}
5180	5180.005	0.005	0.965	40	V_{nor}

U-NII-1-(5250MHz-5350MHz)					
Freq.(MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stability (ppm)	Temperature (°C)	Voltage (V)
5260	5259.983	-0.017	-3.231	25	V_{min}
5260	5260.019	0.019	3.612	25	V_{max}
5260	5259.981	-0.019	-3.612	25	V_{nor}
5260	5260.986	-0.014	-2.661	-10	V_{nor}
5260	5260.010	0.010	1.901	40	V_{nor}

U-NII-1-(5470MHz-5725MHz)					
Freq.(MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stability (ppm)	Temperature (°C)	Voltage (V)
5500	5499.986	-0.014	-2.545	25	V_{min}
5500	5500.015	0.015	2.727	25	V_{max}
5500	5499.993	-0.007	-1.273	25	V_{nor}
5500	5499.984	-0.016	-2.909	-10	V_{nor}
5500	5500.012	0.012	2.182	40	V_{nor}

Antenna 2

U-NII-1-(5150MHz-5250MHz)					
Freq.(MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stability (ppm)	Temperature (°C)	Voltage (V)
5180	5179.995	-0.005	-0.965	25	V_{min}
5180	5180.012	0.012	2.316	25	V_{max}
5180	5179.993	-0.007	-1.351	25	V_{nor}
5180	5179.994	-0.006	-1.158	-10	V_{nor}
5180	5179.995	-0.005	-0.965	40	V_{nor}

U-NII-1-(5250MHz-5350MHz)					
Freq.(MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stability (ppm)	Temperature (°C)	Voltage (V)
5260	5260.016	0.016	-3.042	25	V_{min}
5260	5260.014	0.014	2.662	25	V_{max}
5260	5259.992	-0.008	-1.521	25	V_{nor}
5260	5260.989	-0.011	-2.901	-10	V_{nor}
5260	5260.015	0.015	2.852	40	V_{nor}

U-NII-1-(5470MHz-5725MHz)					
Freq.(MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stability (ppm)	Temperature (°C)	Voltage (V)
5500	5500.013	0.013	2.364	25	V_{min}
5500	5500.016	0.016	2.909	25	V_{max}
5500	5499.992	-0.008	-1.455	25	V_{nor}
5500	5499.987	-0.013	-2.364	-10	V_{nor}
5500	5500.009	0.009	1.636	40	V_{nor}

6.7 RADIATED UNDESIRABLE EMISSION

LIMIT

Radiated emissions from9 kHz to25 GHz were measured according to themethods defines in ANSI C63.10-2013.The EUTwas placed above theground plane, 0.8 meter for frequency below 1GHzand1.5meterforfrequencyabove1GHz.Theinterfacecablesandequipmentpositionswere varied within limits of reasonable applications to determine the positions producing maximum radiated emissions.

1. For transmitters operatingin the 5150-5250 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed anEIRPof –27dBm/MHz.

   For transmitters operatingin the 5250-5350 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed anEIRPof -27 dBm/MHz. Devices operating in the 5250-5350 MHz band that generate emissions inthe 5150-5250 MHz band must meet all applicable technical requirements for operation in the 5150-5250 MHz band (including indoor use) oralternatively meet an out-of-band emission EIRPlimit of -27 dBm/MHz in the 5150-5250 MHz band.

   For transmitters operatingin the 5470-5600 MHz and 5650-5725MHz band: all emissions outside of the 5470-5600 MHz and 5650-5725MHz band shall not exceed an EIRPof -27 dBm/MHz.

2. KDB789033v02r01G)2)c)Asspecifiedin15.407(b),emissionsabove1000MHzthatareoutsideofthe restricted bands are subject to a peak emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in 15.407(b)(4)). However, an out-of-band emission that complies with boththe averageand peak limits of 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHzpeak emission limit.

3. According to§15.209(a),exceptasprovidedelsewhereinthisSubpart,theemissionsfroman intentionalradiatorshallnotexceedthefieldstrengthlevelsspecifiedinthefollowingtable:

FREQUENCIES(MHz)	FIELDSTRENGTH (microvolts/meter)	MEASUREMENT DISTANCE(meters)
0.009~0.490	2400/F(kHz)	300
0.490~1.705	24000/F(kHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

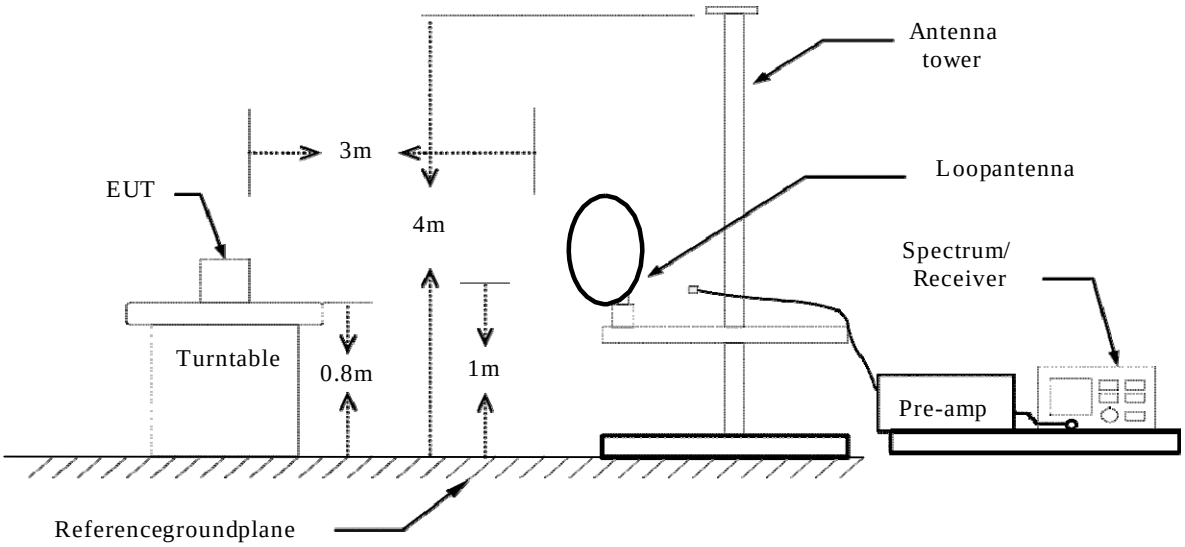
Remark:*Except as provided in paragraph (g), fundamental emissionsfrom intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806MHz.However, operationwithin these frequency bands is permitted under othersections ofthisPart, e.g.,Sections 15.231and 15.241.*

4. In the emission table above, the tighter limit applies at the band edges.

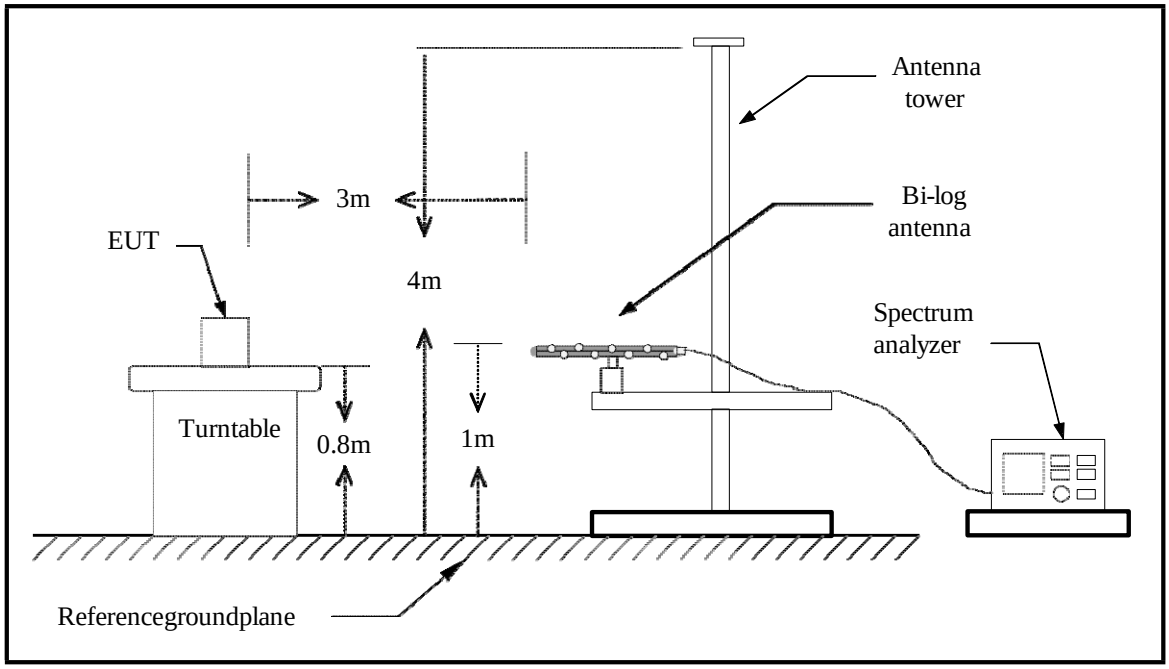
Frequency (MHz)	FieldStrength(μV/mat3-meter)	FieldStrength(dBμV/mat3-meter)
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

TestConfiguration

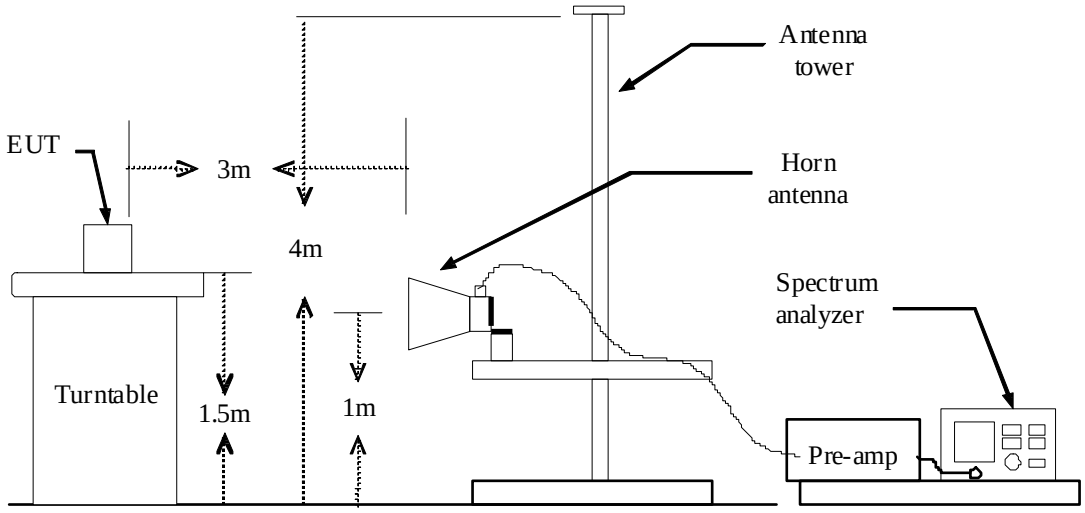
Below30MHz



Below1GHz



Above 1 GHz



TESTPROCEDURE

1. The EUTis placed on a turntable above ground plane, which is 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz.
2. The turntable shall be rotated for 360degrees to determine the position of maximum emission level.
3. EUTisset3mawayfromthereceivingantenna,whichisvariedfrom1mto4mtofindoutthehighest emissions.
4. Maximum procedure was performed on the six highest emissions to ensure EUTcompliance.
5. And also, each emission was to be maximized bychanging thepolarization of receiving antenna both horizontal and vertical.
6. Set the spectrum analyzerin the following setting as:

   Below 1GHz:

   RBW=100kHz/ VBW=300kHz / Sweep=AUTO

   Above 1GHz:

   (a) PEAK: RBW=VBW=1MHz / Sweep=AUTO

   (b) AVERAGE: RBW=1MHz / Sweep=AUTO

   VBW=10Hz,whenduty cycle is no less than 98 percent.

   VBW≧1/T,whenduty cycle is less than98 percent,whereTis the minimum transmissiondurationoverwhichthetransmitterisonandistransmittingatitsmaximun power control level for the tested mode of operation.

Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
IEEE 802.11 a	100	--	--	10Hz
IEEE 802.11n HT20	100	--	--	10Hz
IEEE 802.11n HT40	100			10Hz

7. Repeat above procedures until the measurements for all frequencies are complete.

TESTRESULTS

TestResultofRadiatedEmission30

MHz-1GHz

Frequency (MHz)	Ant. Pol.(H/V)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit(dBuV/m)	Margin (dB)	Remark
43.91	V	15.58	14.48	30.06	40.00	-9.94	peak
349.55	V	11.63	18.50	30.13	46.00	-15.87	peak
426.63	V	10.58	20.94	31.52	46.00	-14.48	peak
567.35	V	9.87	22.66	32.53	46.00	-13.47	peak
708.36	V	8.33	25.39	33.72	46.00	-12.28	peak
851.82	V	9.22	25.93	35.15	46.00	-10.85	peak
216.61	H	14.19	16.40	30.59	46.00	-9.41	peak
249.37	H	16.87	16.44	33.31	46.00	-12.69	peak
340.73	H	19.14	18.15	37.29	46.00	-8.71	peak
344.96	H	19.02	18.30	37.32	46.00	-8.68	peak
350.52	H	19.67	18.50	38.17	46.00	-7.83	peak
375.54	H	15.22	19.51	34.73	46.00	-11.27	peak

Remark:

Measuring frequencies from 30 MHz to the 1GHz.(no emission found from the lowest internal used/generated frequency to 30MHz)

Radiated emissions measured were madewith an instrument using peak/quasi-peak detector mode.

Quasi-peak test would beperformed if the peak result were greater than the quasi-peak limit or as required by theapplicant.

Measurements above show only up to 6 maximum emissions noted, or wouldbe lesser, with " N/A" remark, if no specific emissions from the EUTare recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Margin (dB)= Remark result (dBuV/m) – Quasi-peak limit (dBuV/m).

Note: Below30MHz and above 18GHz.The measured value have enough margin over20dB than the limit, therefore they are not reported.

Above 1 GHz5150~5250MHz

OperationMode:	Tx / IEEE 802.11a modeCH Low

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10563.07	39.61	11.21	50.82	74.00	-23.18	100	133	peak
2	15343.51	37.13	12.25	49.38	74.00	-24.62	100	128	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10358.52	42.64	10.19	52.83	74.00	-21.17	100	215	peak
2	14403.37	36.78	16.06	52.84	74.00	-21.16	100	274	peak
N/A									

OperationMode:	Tx / IEEE 802.11a modeCH Mid

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10440.84	41.15	10.64	51.79	74.00	-	100	117	peak
2	16692.42	35.62	17.24	52.86	74.00	-	100	159	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10439.99	42.38	10.64	53.02	74.00	-20.98	100	217	peak
2	14690.67	36.64	16.51	53.15	74.00	-20.85	100	334	peak
N/A									

OperationMode:	Tx / IEEE 802.11a modeCH High

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10480.55	40.21	10.86	51.07	74.00	-22.93	100	172	peak
2	14649.98	35.16	16.53	51.69	74.00	-22.31	100	207	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10480.35	42.74	10.86	53.60	74.00	-20.40	100	142	peak
2	16732.64	35.85	17.33	53.18	74.00	-20.82	100	320	peak
N/A									

5250~5350MHz

OperationMode:	Tx / IEEE 802.11a modeCH Low

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10522.06	40.55	11.05	51.60	74.00	-22.40	100	125	peak
2	14649.01	35.85	16.53	52.38	74.00	-21.62	100	41	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10644.75	39.68	11.53	51.21	74.00	-22.79	100	315	peak
2	15221.01	32.58	13.73	46.31	74.00	-27.69	100	258	peak
N/A									

OperationMode:	Tx / IEEE 802.11a modeCH Mid

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10563.26	42.38	11.21	53.59	74.00	-20.41	100	114	peak
2	14240.81	35.14	15.17	50.31	74.00	-23.69	100	127	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11011.47	38.46	12.89	51.82	74.00	51.35	100	214	peak
2	13258.76	38.87	14.10	52.12	74.00	52.97	100	282	peak
N/A									

OperationMode:	Tx / IEEE 802.11a modeCH High

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11012.01	37.27	12.89	50.16	74.00	-23.84	100	214	peak
2	16161.36	35.82	13.49	49.31	74.00	-24.69	100	210	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	12402.43	38.77	12.00	50.77	74.00	-23.23	100	152	peak
2	15466.33	35.31	10.77	46.08	74.00	-27.92	100	302	peak
N/A									

5470~5725MHz

OperationMode:	Tx / IEEE 802.11a modeCH Low

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10522.11	40.97	11.05	52.02	74.00	-21.98	100	118	peak
2	14649.62	36.25	16.53	52.78	74.00	-21.22	100	53	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10644.19	39.22	11.53	50.75	74.00	-23.25	100	304	peak
2	15220.84	32.21	13.73	45.94	74.00	-28.06	100	271	peak
N/A									

OperationMode:	Tx / IEEE 802.11a modeCH Mid

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10562.27	42.43	11.21	53.64	74.00	-20.36	100	105	peak
2	14240.86	34.17	15.17	49.34	74.00	-24.66	100	149	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11014.55	38.35	12.89	51.24	74.00	-22.76	100	152	peak
2	13259.18	39.18	14.10	53.28	74.00	-20.72	100	205	peak
N/A									

OperationMode:	Tx / IEEE 802.11a modeCH High

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11022.69	37.84	12.89	50.73	74.00	-23.27	100	214	peak
2	16161.33	35.62	13.49	49.11	74.00	-24.89	100	210	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	12402.45	38.34	12.00	50.34	74.00	-23.66	100	142	peak
2	15465.92	34.84	10.77	45.61	74.00	-28.39	100	239	peak
N/A									

5150~5250MHz

OperationMode:	TX / IEEE 802.11n HT20mode /CH Low

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10358.23	38.51	10.19	48.70	74.00	-25.30	100	22	peak
2	16448.04	35.43	16.30	51.73	74.00	-22.27	100	272	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10358.01	40.13	10.19	50.32	74.00	-23.68	100	157	peak
2	15875.47	33.35	11.52	44.87	74.00	-29.13	100	71	peak
N/A									

OperationMode:	TX / IEEE 802.11n HT20mode /CH Mid

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	9541.105	39.43	7.64	47.07	74.00	-26.93	100	215	peak
2	13831.77	37.69	14.07	51.76	74.00	-22.24	100	128	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10807.33	39.78	12.17	51.95	74.00	-22.05	100	253	peak
2	12402.09	38.54	12.00	50.54	74.00	-23.46	100	181	peak
N/A									

OperationMode:	TX / IEEE 802.11n HT20mode /CH High

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10603.93	39.58	11.37	50.95	74.00	-23.05	100	215	peak
2	14362.52	35.58	15.83	51.41	74.00	-22.59	100	238	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10726.27	38.47	11.85	50.32	74.00	-23.68	100	100	peak
2	13994.48	37.44	13.87	51.31	74.00	-22.69	100	35	peak
N/A									

5250~5350MHz

OperationMode:	TX / IEEE 802.11n HT20mode /CH Low

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11134.72	40.53	12.54	53.07	74.00	-20.93	100	10	peak
2	13872.46	37.02	14.02	51.04	74.00	-22.96	100	183	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10971.33	38.42	12.81	51.23	74.00	-22.77	100	63	peak
2	13423.79	36.92	14.36	51.28	74.00	-22.72	100	112	peak
N/A									

OperationMode:	TX / IEEE 802.11n HT20mode /CH Mid

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10563.35	41.79	11.21	53.00	74.00	-21.00	100	126	peak
2	16569.87	33.99	16.97	50.96	74.00	-23.04	100	339	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11216.78	39.12	12.31	51.43	74.00	-22.57	100	327	peak
2	13299.61	36.39	14.16	50.55	74.00	-23.45	100	82	peak
N/A									

OperationMode:	TX / IEEE 802.11n HT20mode /CH High

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10480.67	40.36	10.86	51.22	74.00	-22.78	100	305	peak
2	14689.83	33.48	16.51	49.99	74.00	-24.01	100	25	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10848.02	38.56	12.33	50.89	74.00	-23.11	100	215	peak
2	16938.12	32.94	17.77	50.71	74.00	-23.29	100	328	peak
N/A									

5470~5725MHz

OperationMode:	TX / IEEE 802.11n HT20mode /CH Low

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11134.66	40.47	12.54	53.01	74.00	-20.99	100	26	peak
2	13871.63	37.29	14.02	51.31	74.00	-22.69	100	128	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10970.66	38.68	12.81	51.49	74.00	-22.51	100	71	peak
2	13424.38	36.29	14.36	50.65	74.00	-23.35	100	149	peak
N/A									

OperationMode:	TX / IEEE 802.11n HT20mode /CH Mid

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10562.45	40.93	11.21	52.14	74.00	-21.86	100	148	peak
2	16570.34	33.46	16.97	50.43	74.00	-23.57	100	315	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11217.47	40.07	12.31	52.38	74.00	-21.62	100	352	peak
2	13300.22	37.18	14.16	51.34	74.00	-22.66	100	94	peak
N/A									

OperationMode:	TX / IEEE 802.11n HT20mode /CH High

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10480.03	40.34	10.86	51.20	74.00	-22.80	100	152	peak
2	14689.61	33.99	16.51	50.50	74.00	-23.50	100	74	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10848.11	38.48	12.33	50.81	74.00	-23.19	100	215	peak
2	16938.48	32.75	17.77	50.52	74.00	-23.48	100	301	peak
N/A									

5150~5250MHz

OperationMode:	TX / IEEE 802.11n HT40mode /CH Low

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10479.95	42.31	10.86	53.17	74.00	-20.83	100	125	peak
2	15343.71	38.75	12.25	51.00	74.00	-23.00	100	17	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10562.28	41.89	11.21	53.10	74.00	-20.90	100	242	peak
2	15342.85	36.85	12.25	49.10	74.00	-24.90	100	83	peak
N/A									

OperationMode:	TX / IEEE 802.11n HT40mode /CH High

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	9214.152	42.89	7.23	50.12	74.00	-	100	205	peak
2	14649.89	36.98	16.53	53.51	74.00	-	100	82	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	9009.025	42.94	6.97	49.91	74.00	-24.09	100	160	peak
2	14689.03	36.47	16.51	52.98	74.00	-21.02	100	43	peak
N/A									

5250~5350MHz

OperationMode:	TX / IEEE 802.11n HT40mode /CH Low

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11256.39	38.42	12.19	50.61	74.00	-23.39	100	295	peak
2	14649.96	33.83	16.53	50.36	74.00	-23.64	100	217	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11133.97	40.22	12.54	52.76	74.00	-21.24	100	77	peak
2	13872.66	37.03	14.02	51.05	74.00	-22.95	100	282	peak
N/A									

OperationMode:	TX / IEEE 802.11n HT40mode /CH High

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11216.53	40.02	12.31	52.33	74.00	-21.67	100	309	peak
2	17142.68	32.75	18.68	51.43	74.00	-22.57	100	175	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11093.19	38.67	12.66	50.98	74.00	-23.02	100	175	peak
2	13300.83	37.86	14.16	56.54	74.00	-17.46	100	205	peak
N/A									

5470~5725MHz

OperationMode:	TX / IEEE 802.11n HT40mode /CH Low

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11257.12	39.13	12.19	51.32	74.00	-22.68	100	241	peak
2	14650.75	34.24	16.53	50.77	74.00	-23.23	100	269	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11134.34	40.19	12.54	52.73	74.00	-21.27	100	75	peak
2	13872.82	37.32	14.02	51.34	74.00	-22.66	100	241	peak
N/A									

OperationMode:	TX / IEEE 802.11n HT40mode /CH Mid

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11255.77	37.74	12.19	49.93	74.00	-24.07	100	282	peak
2	14650.67	34.09	16.53	50.62	74.00	-23.38	100	243	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11134.89	40.62	12.54	53.16	74.00	-20.84	100	77	peak
2	13873.55	36.69	14.02	50.71	74.00	-23.29	100	282	peak
N/A									

OperationMode:	TX / IEEE 802.11n HT40mode /CH High

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11215.61	40.36	12.31	52.67	74.00	-21.33	100	318	peak
2	17142.57	31.76	18.68	50.44	74.00	-23.56	100	194	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11092.48	38.65	12.66	51.31	74.00	-22.69	100	175	peak
2	13300.28	38.68	14.16	52.84	74.00	-21.16	100	205	peak
N/A									

5150~5250MHz

OperationMode:	TX / IEEE 802.11acHT20mode /CH Low

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10358.93	38.04	10.08	48.12	74.00	-25.88	100	24	peak
2	16447.34	35.06	16.59	51.65	74.00	-22.35	100	228	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10357.46	40.88	10.19	51.07	74.00	-22.93	100	183	peak
2	15876.01	32.68	11.52	44.20	74.00	-29.80	100	94	peak
N/A									

OperationMode:	TX / IEEE 802.11acHT20mode /CH Mid

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	9541.365	39.66	7.64	47.30	74.00	-26.70	100	183	peak
2	13831.09	37.17	14.07	51.24	74.00	-22.76	100	142	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10807.92	38.93	12.17	51.10	74.00	-22.90	100	24	peak
2	12402.41	39.09	12.00	51.09	74.00	-22.91	100	141	peak
N/A									

OperationMode:	TX / IEEE 802.11acHT20mode /CH High

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10604.13	40.34	11.37	51.71	74.00	-22.29	100	215	peak
2	14362.06	36.49	15.83	52.32	74.00	-21.68	100	238	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10726.76	37.69	11.85	49.54	74.00	-24.46	100	82	peak
2	13993.86	37.33	13.87	51.20	74.00	-22.80	100	147	peak
N/A									

5250~5350MHz

OperationMode:	TX / IEEE 802.11acHT20mode /CH Low

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11133.86	40.57	12.54	53.11	74.00	-20.89	100	25	peak
2	13872.28	37.61	14.02	51.63	74.00	-22.37	100	127	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10971.55	39.08	12.81	51.89	74.00	-22.11	100	54	peak
2	13424.63	36.85	14.36	51.21	74.00	-22.79	100	125	peak
N/A									

OperationMode:	TX / IEEE 802.11acHT20mode /CH Mid

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10562.58	41.51	11.21	52.72	74.00	-21.28	100	105	peak
2	16570.85	34.01	16.97	50.98	74.00	-23.02	100	325	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11216.48	38.88	12.31	51.19	74.00	-22.81	100	301	peak
2	13299.08	35.91	14.16	50.07	74.00	-23.93	100	141	peak
N/A									

OperationMode:	TX / IEEE 802.11acHT20mode /CH High

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10481.17	40.37	10.86	51.23	74.00	-22.77	100	319	peak
2	14688.97	34.02	16.51	50.53	74.00	-23.47	100	174	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10848.69	38.86	12.33	51.19	74.00	-22.81	100	205	peak
2	16937.58	33.34	17.77	51.11	74.00	-22.89	100	337	peak
N/A									

5470~5725MHz

OperationMode:	TX / IEEE 802.11acHT20mode /CH Low

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11134.44	40.21	12.54	52.75	74.00	-21.25	100	24	peak
2	13872.75	38.58	14.02	52.60	74.00	-21.40	100	174	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10971.89	39.73	12.81	52.54	74.00	-21.46	100	71	peak
2	13424.85	37.24	14.36	51.60	74.00	-22.40	100	12	peak
N/A									

OperationMode:	TX / IEEE 802.11acHT20mode /CH Mid

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10562.52	42.05	11.21	53.26	74.00	-20.74	100	108	peak
2	16570.57	33.47	16.97	50.44	74.00	-23.56	100	314	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11216.79	38.16	12.31	50.47	74.00	-23.53	100	105	peak
2	13298.34	35.25	14.16	49.41	74.00	-24.59	100	172	peak
N/A									

OperationMode:	TX / IEEE 802.11acHT20mode /CH High

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10480.25	40.54	10.86	51.40	74.00	-22.60	100	175	peak
2	14688.69	33.19	16.51	49.70	74.00	-24.30	100	104	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10849.62	38.64	12.33	50.97	74.00	-23.03	100	175	peak
2	16938.47	34.32	17.77	52.09	74.00	-21.91	100	329	peak
N/A									

5150~5250MHz

OperationMode:	TX / IEEE 802.11acHT40mode /CH Low

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10480.55	42.62	10.86	53.48	74.00	-20.52	100	110	peak
2	15342.92	38.17	12.25	50.42	74.00	-23.58	100	121	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10562.85	42.89	11.21	54.10	74.00	-19.90	100	271	peak
2	15343.61	36.93	12.25	49.18	74.00	-24.82	100	28	peak
N/A									

OperationMode:	TX / IEEE 802.11acHT40mode /CH High

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	9213.372	42.69	7.23	49.92	74.00	-24.08	100	217	peak
2	14649.31	37.19	16.53	53.72	74.00	-20.28	100	15	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	9008.065	43.24	6.97	50.21	74.00	-23.79	100	179	peak
2	14689.66	36.18	16.51	52.69	74.00	-21.31	100	42	peak
N/A									

5250~5350MHz

OperationMode:	TX / IEEE 802.11acHT40mode /CH Low

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11257.31	37.73	12.19	49.92	74.00	-24.08	100	202	peak
2	14650.96	33.98	16.53	50.51	74.00	-23.49	100	241	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11134.13	40.42	12.54	52.96	74.00	-21.04	100	59	peak
2	13872.25	36.28	14.02	50.30	74.00	-23.70	100	217	peak
N/A									

OperationMode:	TX / IEEE 802.11acHT40mode /CH High

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11216.96	40.07	12.31	52.38	74.00	-21.62	100	305	peak
2	17143.45	32.87	18.68	51.55	74.00	-22.45	100	184	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11092.86	37.89	12.66	50.55	74.00	-23.45	100	158	peak
2	13300.28	38.57	14.16	52.73	74.00	-21.27	100	170	peak
N/A									

5470~5725MHz

OperationMode:	TX / IEEE 802.11acHT40mode /CH Low

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11257.27	37.13	12.19	49.32	74.00	-24.68	100	202	peak
2	14651.73	34.23	16.53	50.76	74.00	-23.24	100	241	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11134.84	39.98	12.54	52.52	74.00	-21.48	100	75	peak
2	13872.22	36.99	14.02	51.01	74.00	-22.99	100	305	peak
N/A									

OperationMode:	TX / IEEE 802.11acHT40mode /CH Mid

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11216.42	40.57	12.31	52.88	74.00	-21.12	100	261	peak
2	17144.16	33.82	18.68	52.50	74.00	-21.50	100	179	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11093.68	38.72	12.66	51.38	74.00	-22.62	100	172	peak
2	13300.87	39.32	14.16	53.48	74.00	-20.52	100	136	peak
N/A									

OperationMode:	TX / IEEE 802.11acHT40mode /CH High

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11216.89	39.98	12.31	52.29	74.00	-21.71	100	142	peak
2	17142.87	32.29	18.68	50.97	74.00	-23.03	100	195	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11093.05	38.46	12.66	51.12	74.00	-22.88	100	142	peak
2	13300.72	38.35	14.16	52.51	74.00	-21.49	100	193	peak
N/A									

5150~5250MHz

OperationMode:	TX / IEEE 802.11acHT80mode /CH

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11256.52	37.72	12.19	49.91	74.00	-24.09	100	257	peak
2	14650.17	33.05	16.53	49.58	74.00	-24.42	100	243	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11133.97	40.22	12.54	52.76	74.00	-21.24	100	77	peak
2	13872.66	37.03	14.02	51.05	74.00	-22.95	100	282	peak
N/A									

5250~5350MHz

OperationMode:	TX / IEEE 802.11acHT80mode /CH

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11216.53	40.02	12.31	52.33	74.00	-21.67	100	309	peak
2	17142.68	32.75	18.68	51.43	74.00	-22.57	100	175	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11093.19	38.67	12.66	50.98	74.00	-23.02	100	175	peak
2	13300.83	37.86	14.16	56.54	74.00	-17.46	100	205	peak
N/A									

5470~5725MHz

OperationMode:	TX / IEEE 802.11acHT80mode /CH

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11216.75	40.66	12.31	52.97	74.00	-21.03	100	241	peak
2	17141.98	32.77	18.68	51.45	74.00	-22.55	100	183	peak
N/A									

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11093.47	38.74	12.66	51.40	74.00	-22.60	100	124	peak
2	13299.85	37.63	14.16	51.79	74.00	-22.21	100	283	peak
N/A									

6.8 POWERLINE CONDUCTED EMISSIONS

LIMIT

According to§15.207(a),except asshown in paragraphs (b) and(c) of this section, for an intentional radiatorthatisdesignedtobeconnectedtothepublicutility(AC)powerline,theradiofrequencyvoltagethatis conducted back onto theAC power line onany 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 μH/50ohms line impedancestabilizationnetwork(LISN).Compliancewiththeprovisionsofthisparagraphshallbebased on the measurement of the radio frequency voltage between each power line and ground at the power terminal.The lower limit applies at theboundary between the frequency ranges.

FrequencyRange (MHz)	Limits (dBμV)	
	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.*

TESTCONFIGURATION

See test photographs attached inAppendix 1 for theactual connections between EUTand support equipment.

TESTPROCEDURE

11. The EUTwas placed on a table, which is 0.8m above ground plane.

12. Maximum procedure was performed on the six highest emissions to ensure EUTcompliance.

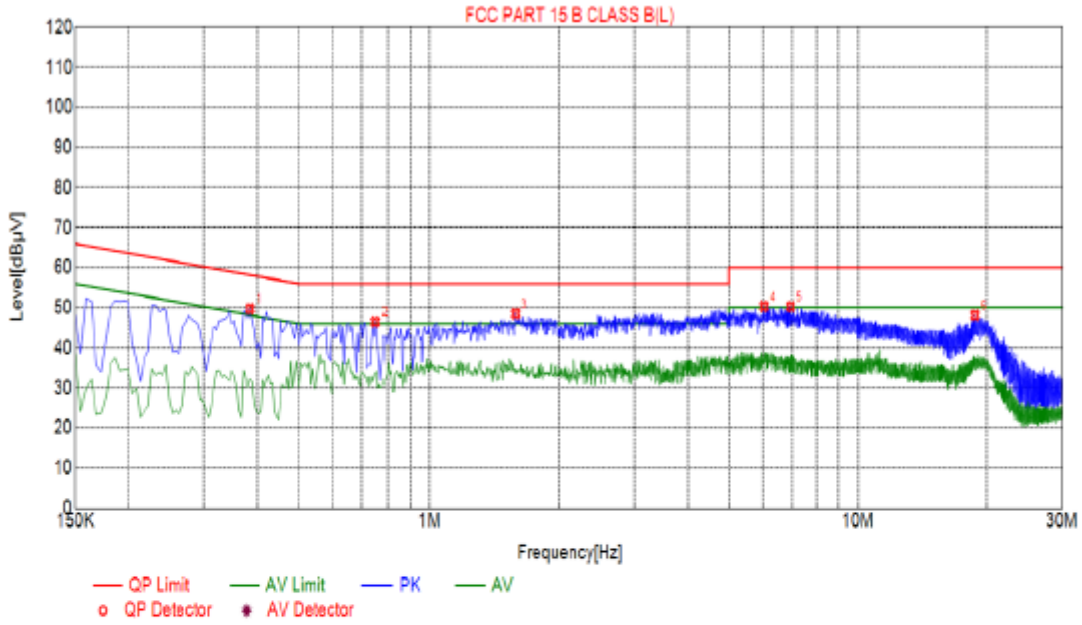
13. Repeat above procedures until all frequency measured were complete.

TESTRESULTS

Theinitialstepincollectingconducteddataisaspectrumanalyzerpeakscanofthemeasurementrange. Significant peaks are then marked as shown on the following data page, and these signals are then quasi-peaked.

TestData

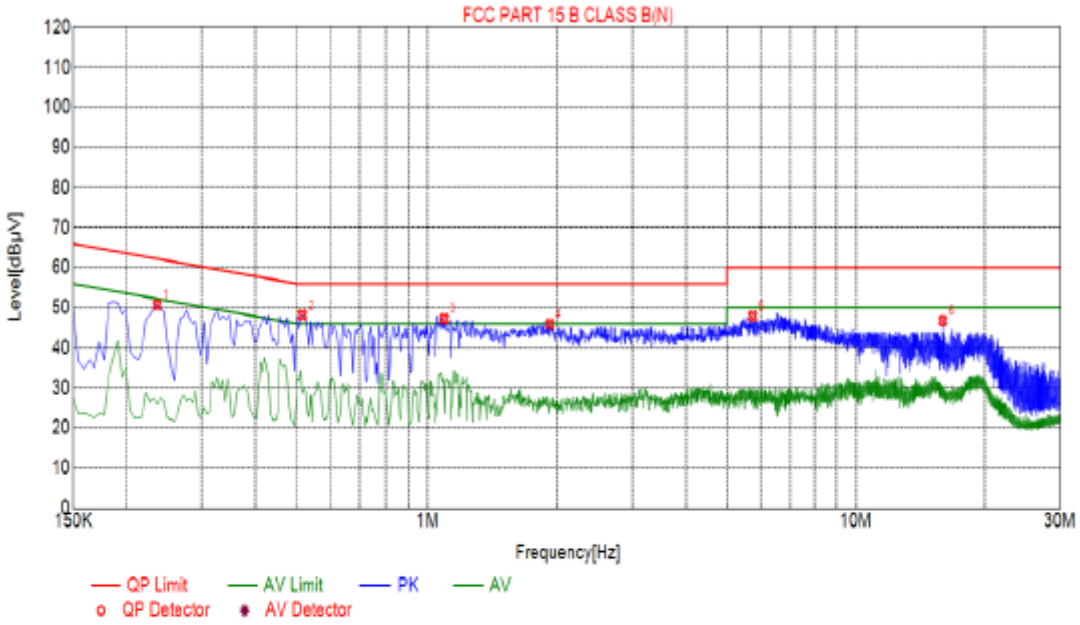
L



Suspected List						
NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Detector
1	0.3840	49.73	10.04	58.19	8.46	PK
2	0.7530	46.50	10.06	56.00	9.50	PK
3	1.5855	48.53	10.11	56.00	7.47	PK
4	6.0360	50.33	10.23	60.00	9.67	PK
5	6.9630	50.26	10.20	60.00	9.74	PK
6	18.7620	48.14	10.06	60.00	11.86	PK

Note: 1. L1 = Line One (Live Line) / L2 = LineTwo (Neutral Line).

N



Suspected List						
NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Detector
1	0.2355	50.72	10.03	62.25	11.53	PK
2	0.5145	48.20	10.04	56.00	7.80	PK
3	1.0905	47.25	10.07	56.00	8.75	PK
4	1.9275	45.94	10.14	56.00	10.06	PK
5	5.7345	47.89	10.24	60.00	12.11	PK
6	15.9585	46.78	9.98	60.00	13.22	PK

Note: 1. L1 = Line One (Live Line) / L2 = LineTwo (Neutral Line)

*Re*mark:

1.Themeasuringfrequenciesrangebetween0.15MHzand30MHz.

2.Theemissionsmeasuredinthefrequencyrangebetween0.15MHzand30MHzweremadewithan instrumentusingQuasi-peakdetectorandAveragedetector.

3."---"denotestheemissionlevelwasormorethan2dBbelowtheAveragelimit,andnore-checkwas made.

4.TheIFbandwidthofSPAbetween0.15MHzand30MHzwas10KHz.TheIFbandwidthofTest Receiverbetween0.15MHzand30MHzwas9kHz.

ENDOFREPORT