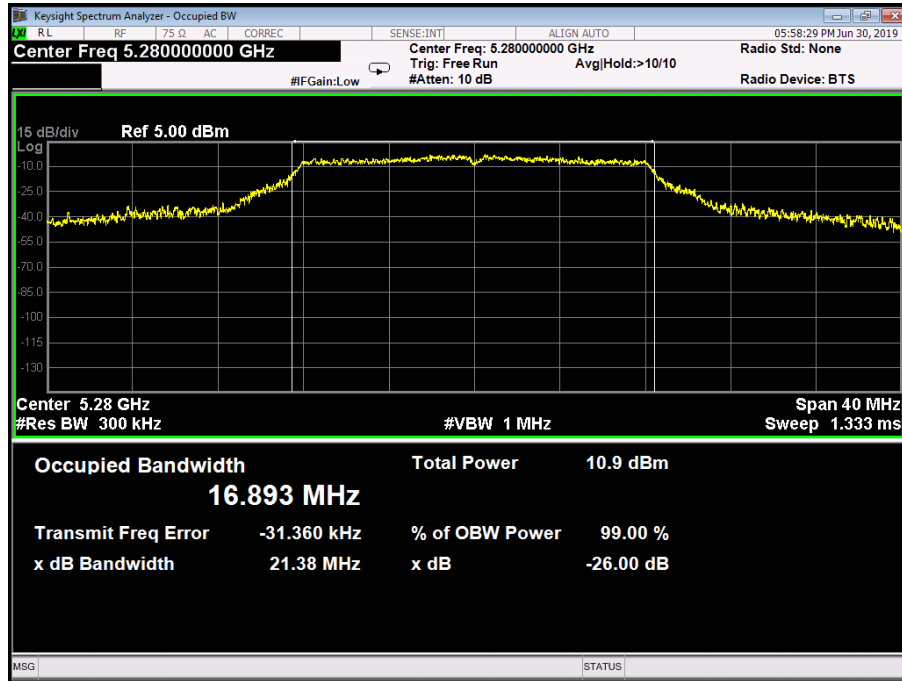


Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11a Mode (U-NII-2A)		
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
52	5260	21.54	16.867
56	5280	21.38	16.893
64	5320	21.42	16.850
802.11a Mode			
5260 MHz			
Keysight Spectrum Analyzer - Occupied BW Center Freq 5.260000000 GHz Center Freq: 5.260000000 GHz Trig: Free Run #Gain: Low #Atten: 10 dB Avg/Hold: >10/10 Radio Std: None Radio Device: BTS 15 dB/div Ref 5.00 dBm Center 5.26 GHz #Res BW 300 kHz #VBW 1 MHz Span 40 MHz Sweep 1.333 ms Occupied Bandwidth 16.867 MHz Total Power 11.2 dBm Transmit Freq Error -25.928 kHz % of OBW Power 99.00 % x dB Bandwidth 21.54 MHz x dB -26.00 dB			

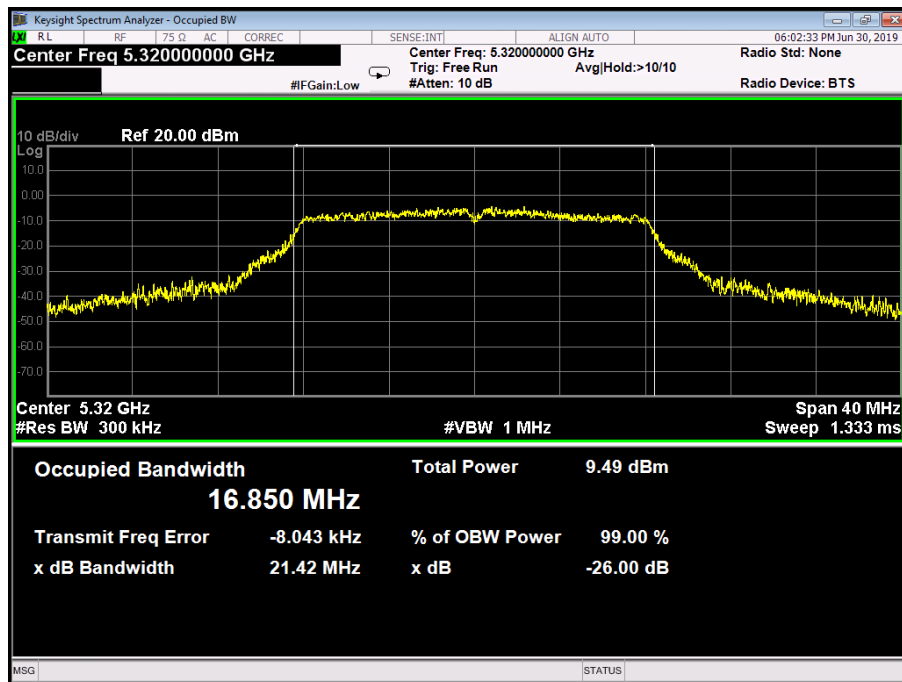
802.11a Mode

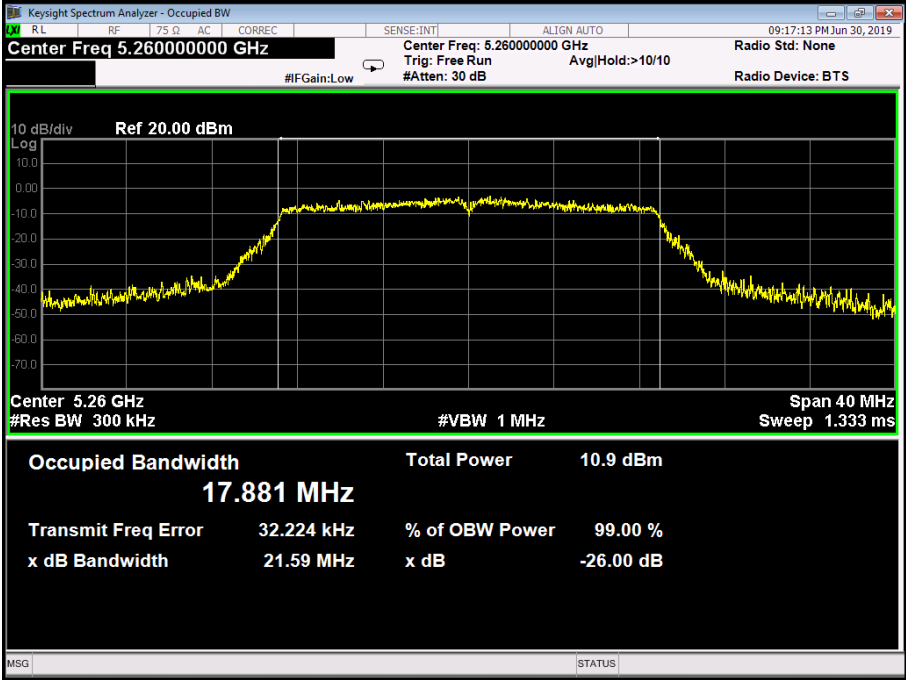
5280 MHz



802.11a Mode

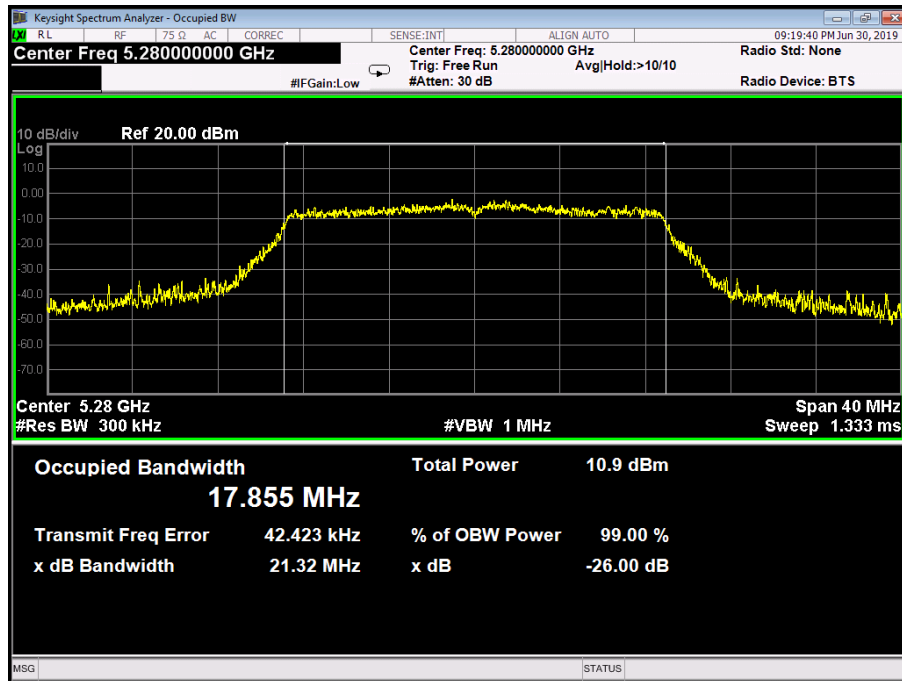
5320 MHz



Temperature:	25 °C	Relative Humidity:	55%																
Test Voltage:	AC 120V/60Hz																		
Test Mode:	TX 802.11n(HT20) Mode (U-NII-2A)																		
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)																
52	5260	21.59	17.881																
56	5280	21.32	17.855																
64	5320	21.55	17.917																
802.11n(HT20) Mode																			
5260 MHz																			
 <table> <tr> <td colspan="2">Occupied Bandwidth</td><td>Total Power</td><td>10.9 dBm</td></tr> <tr> <td colspan="2">17.881 MHz</td><td></td><td></td></tr> <tr> <td>Transmit Freq Error</td><td>32.224 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr> <tr> <td>x dB Bandwidth</td><td>21.59 MHz</td><td>x dB</td><td>-26.00 dB</td></tr> </table>				Occupied Bandwidth		Total Power	10.9 dBm	17.881 MHz				Transmit Freq Error	32.224 kHz	% of OBW Power	99.00 %	x dB Bandwidth	21.59 MHz	x dB	-26.00 dB
Occupied Bandwidth		Total Power	10.9 dBm																
17.881 MHz																			
Transmit Freq Error	32.224 kHz	% of OBW Power	99.00 %																
x dB Bandwidth	21.59 MHz	x dB	-26.00 dB																

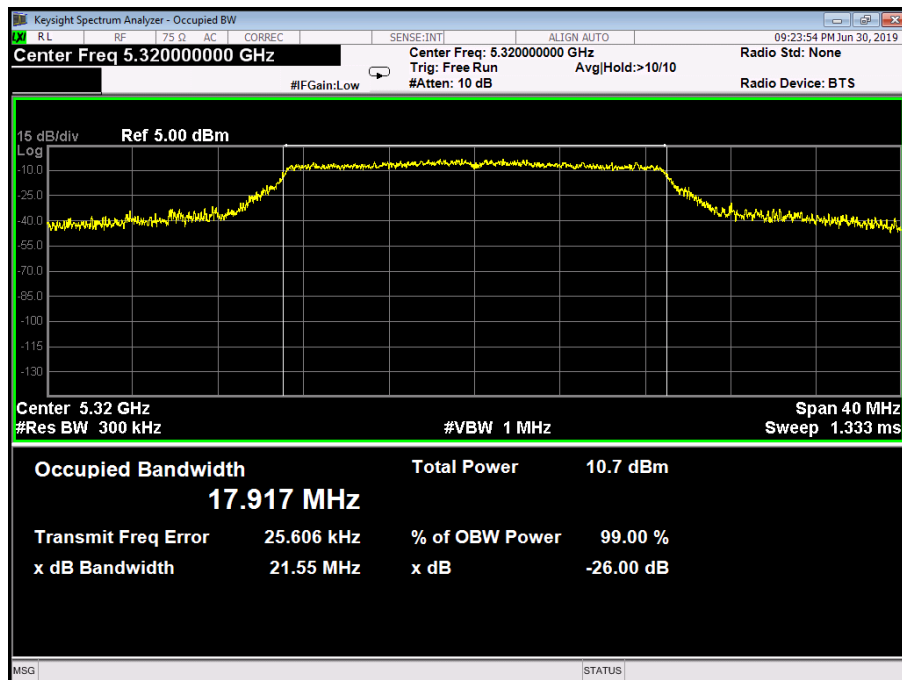
802.11n(HT20) Mode

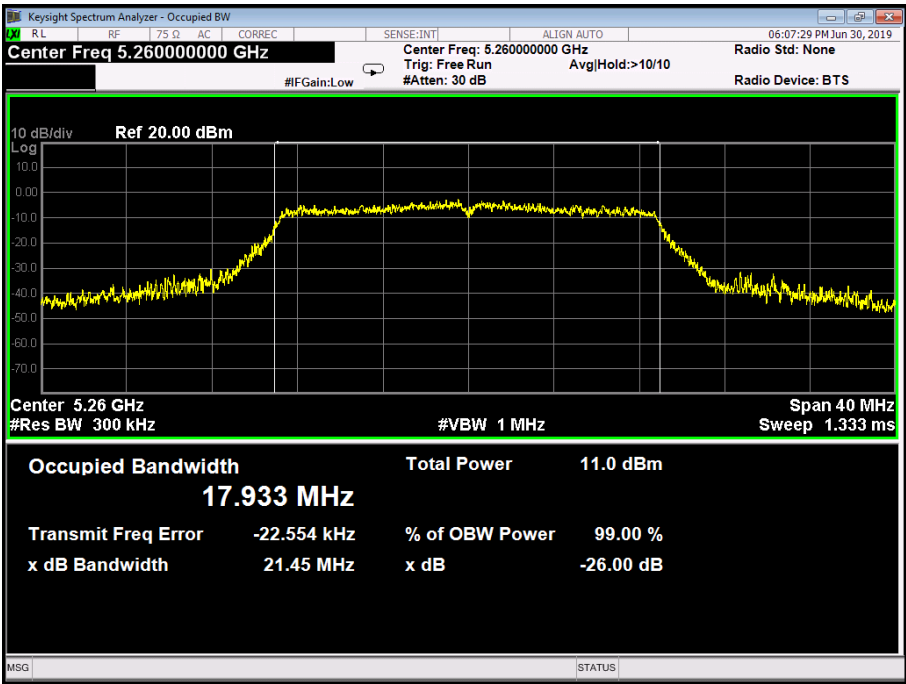
5280 MHz



802.11n(HT20) Mode

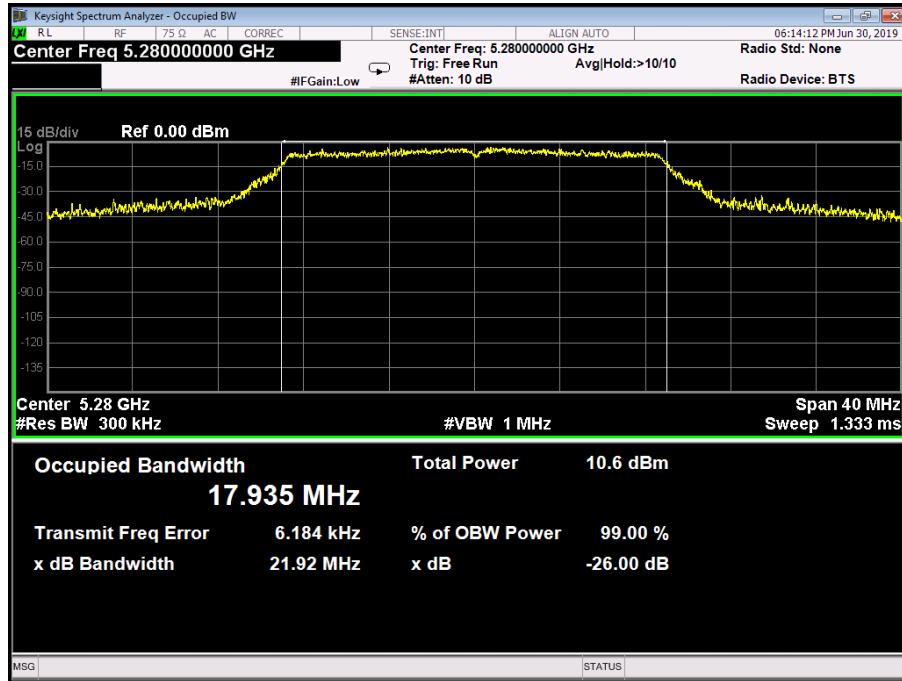
5320 MHz



Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11ac(20) Mode (U-NII-2A)		
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
52	5260	21.45	17.933
56	5280	21.92	17.935
64	5320	25.23	18.114
802.11ac(20) Mode			
5260 MHz			
 Keysight Spectrum Analyzer - Occupied BW Center Freq 5.260000000 GHz Center Freq: 5.260000000 GHz Trig: Free Run #Gain: Low #Atten: 30 dB Avg/Hold: >10/10 Radio Std: None Radio Device: BTS 10 dB/div Ref 20.00 dBm Center 5.26 GHz #Res BW 300 kHz #VBW 1 MHz Span 40 MHz Sweep 1.333 ms Occupied Bandwidth 17.933 MHz Total Power 11.0 dBm Transmit Freq Error -22.554 kHz % of OBW Power 99.00 % x dB Bandwidth 21.45 MHz x dB -26.00 dB			

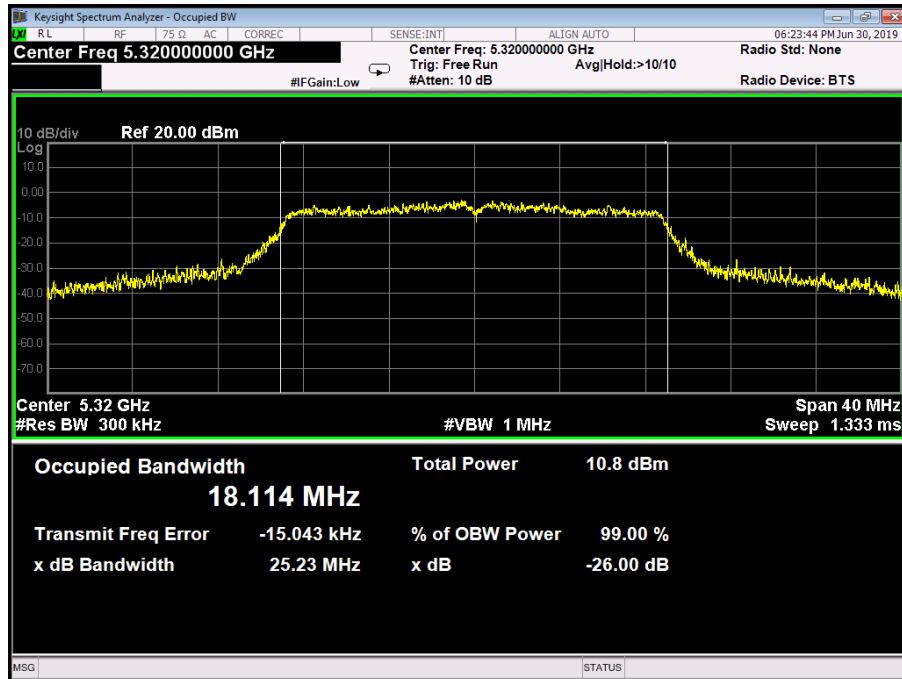
802.11ac(20) Mode

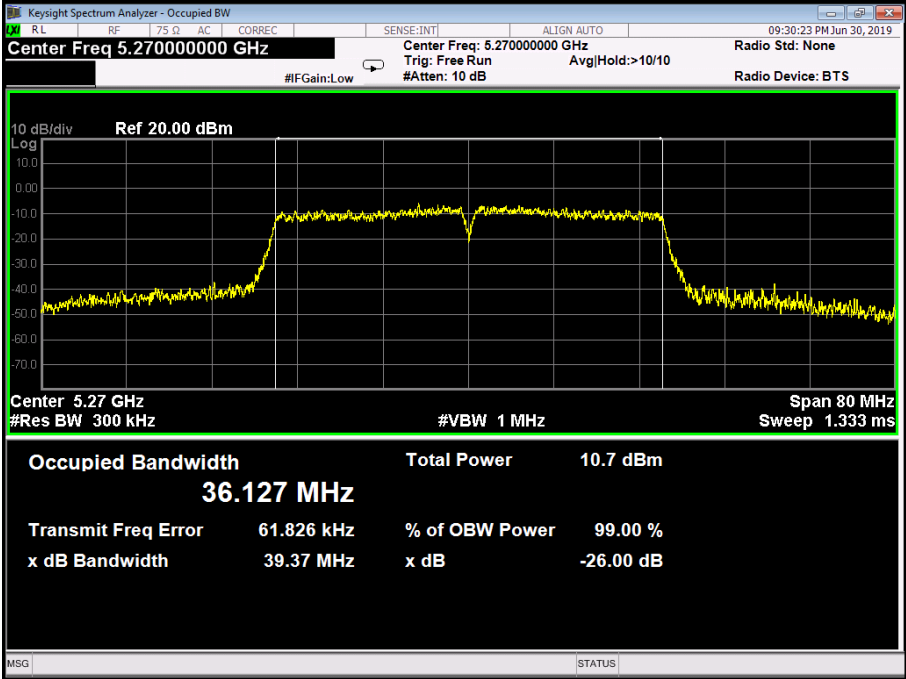
5280 MHz

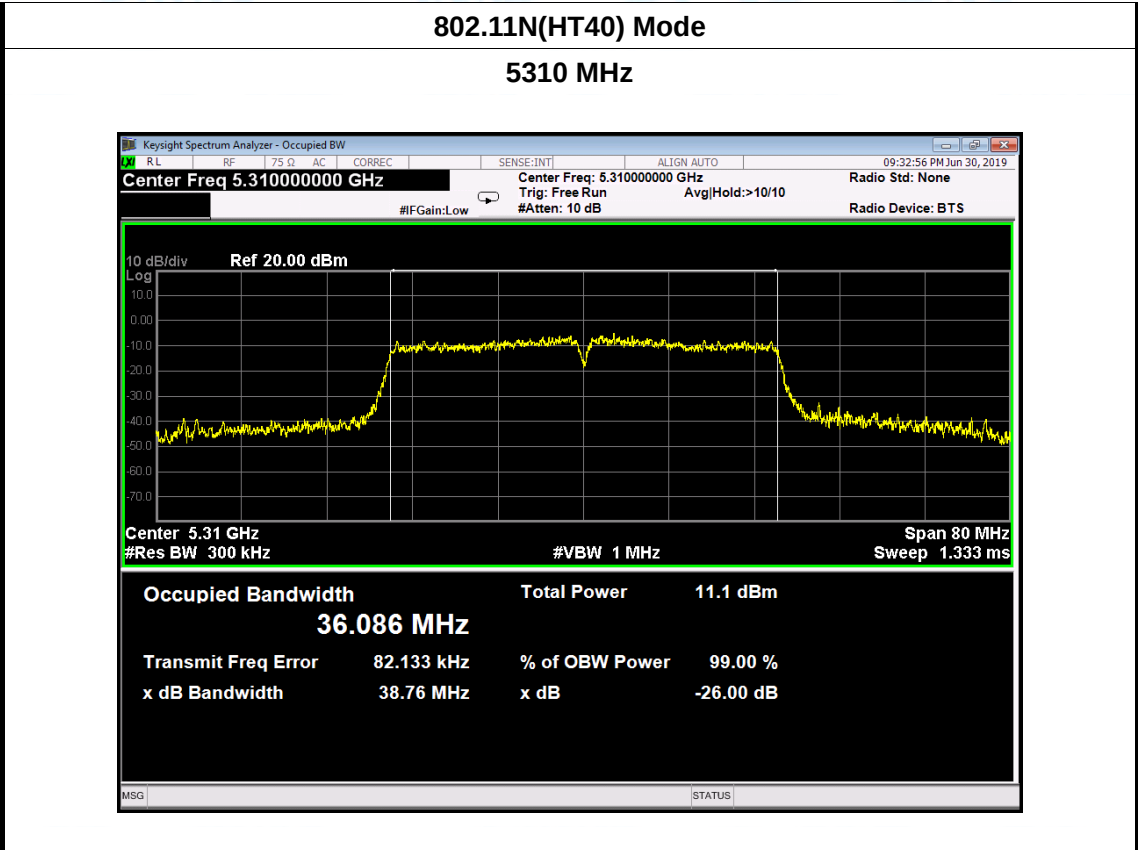


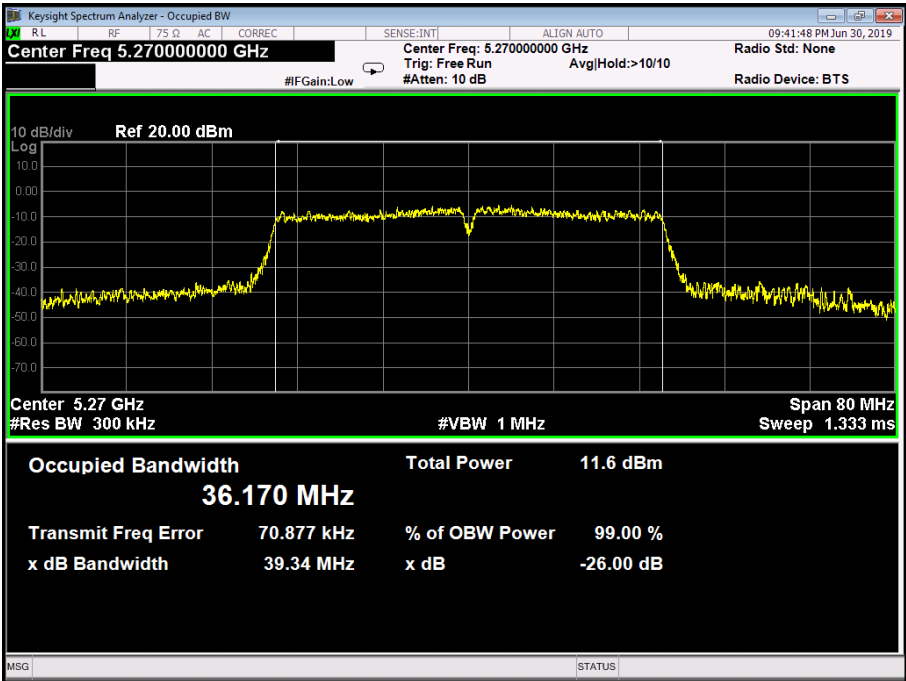
802.11ac(20) Mode

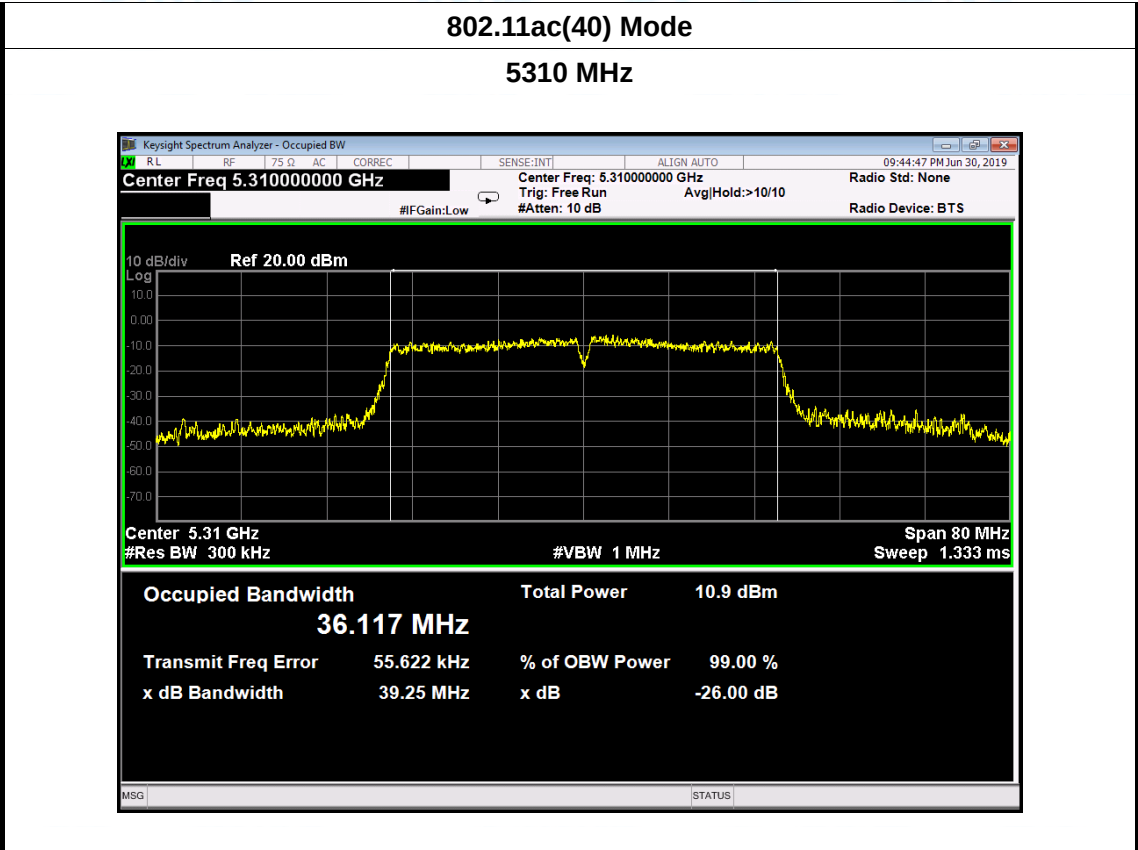
5320 MHz

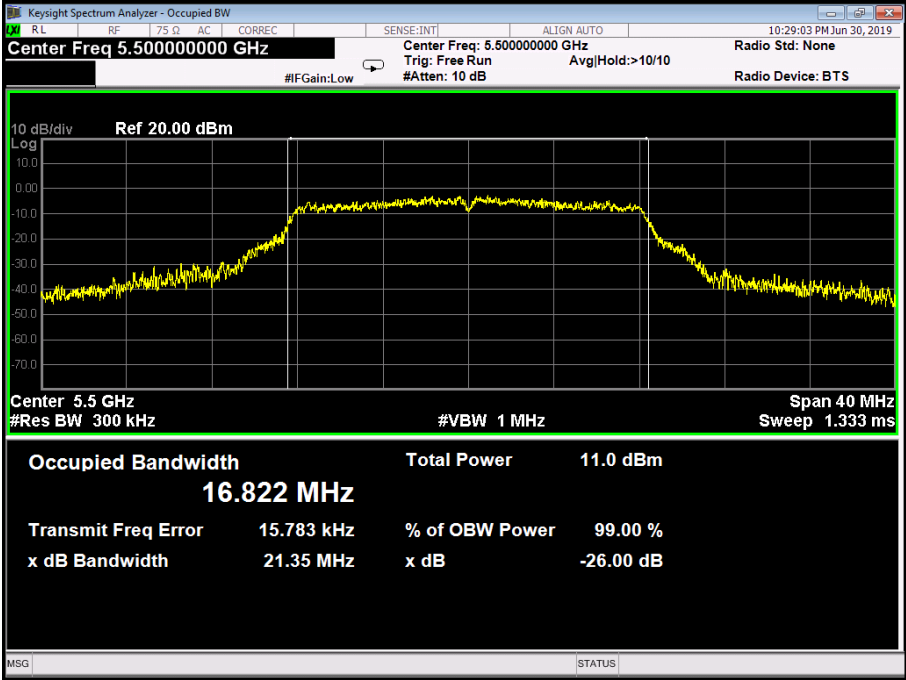


Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11N(HT40) Mode (U-NII-2A)		
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
54	5270	39.37	36.127
62	5310	38.76	36.086
802.11N(HT40) Mode			
5270 MHz			
 Keysight Spectrum Analyzer - Occupied BW Center Freq 5.270000000 GHz Center Freq: 5.270000000 GHz Trig: Free Run #Gain: Low #Atten: 10 dB Avg/Hold: >10/10 Radio Std: None Radio Device: BTS 10 dB/div Ref 20.00 dBm Center 5.27 GHz #Res BW 300 kHz #VBW 1 MHz Span 80 MHz Sweep 1.333 ms Occupied Bandwidth 36.127 MHz Total Power 10.7 dBm Transmit Freq Error 61.826 kHz % of OBW Power 99.00 % x dB Bandwidth 39.37 MHz x dB -26.00 dB MSG STATUS			



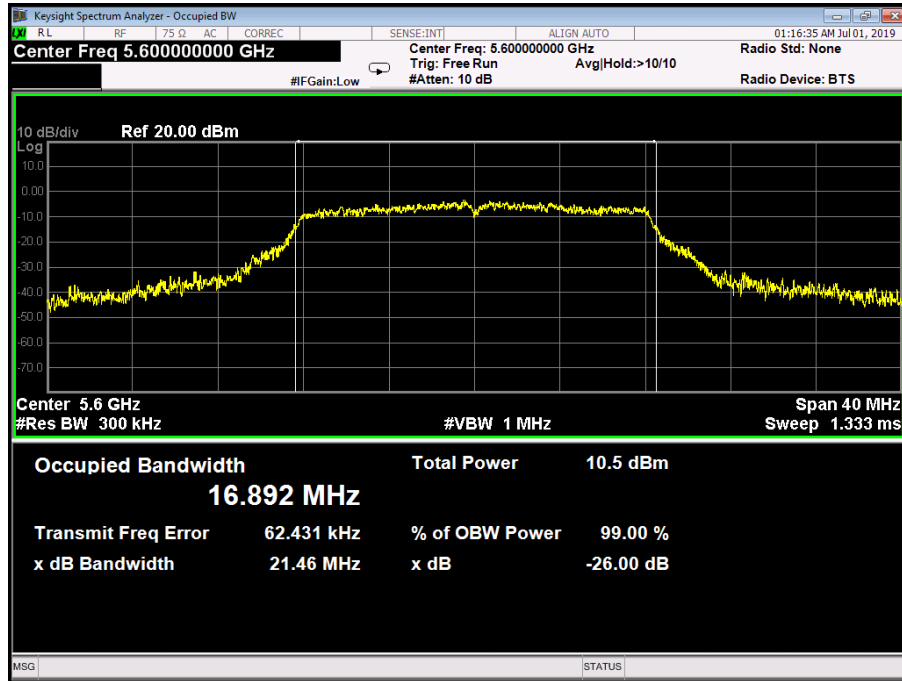
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11ac(40) Mode (U-NII-2A)		
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
54	5270	39.34	36.170
62	5310	39.25	36.117
802.11ac(40) Mode			
5270 MHz			
 Keysight Spectrum Analyzer - Occupied BW Center Freq 5.270000000 GHz Center Freq: 5.270000000 GHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS Ref 20.00 dBm Center 5.27 GHz #Res BW 300 kHz #VBW 1 MHz Span 80 MHz Sweep 1.333 ms Occupied Bandwidth 36.170 MHz Total Power 11.6 dBm Transmit Freq Error 70.877 kHz % of OBW Power 99.00 % x dB Bandwidth 39.34 MHz x dB -26.00 dB			



Temperature:	25 °C	Relative Humidity:	55%																
Test Voltage:	AC 120V/60Hz																		
Test Mode:	TX 802.11a Mode (U-NII-2C)																		
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)																
100	5500	21.35	19.822																
116	5600	21.46	16.892																
144	5700	25.27	17.085																
802.11a Mode																			
5500 MHz																			
 <table border="1"> <thead> <tr> <th colspan="2">Occupied Bandwidth</th> <th>Total Power</th> <th>11.0 dBm</th> </tr> </thead> <tbody> <tr> <td colspan="2">16.822 MHz</td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error</td> <td>15.783 kHz</td> <td>% of OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>21.35 MHz</td> <td>x dB</td> <td>-26.00 dB</td> </tr> </tbody> </table>				Occupied Bandwidth		Total Power	11.0 dBm	16.822 MHz				Transmit Freq Error	15.783 kHz	% of OBW Power	99.00 %	x dB Bandwidth	21.35 MHz	x dB	-26.00 dB
Occupied Bandwidth		Total Power	11.0 dBm																
16.822 MHz																			
Transmit Freq Error	15.783 kHz	% of OBW Power	99.00 %																
x dB Bandwidth	21.35 MHz	x dB	-26.00 dB																

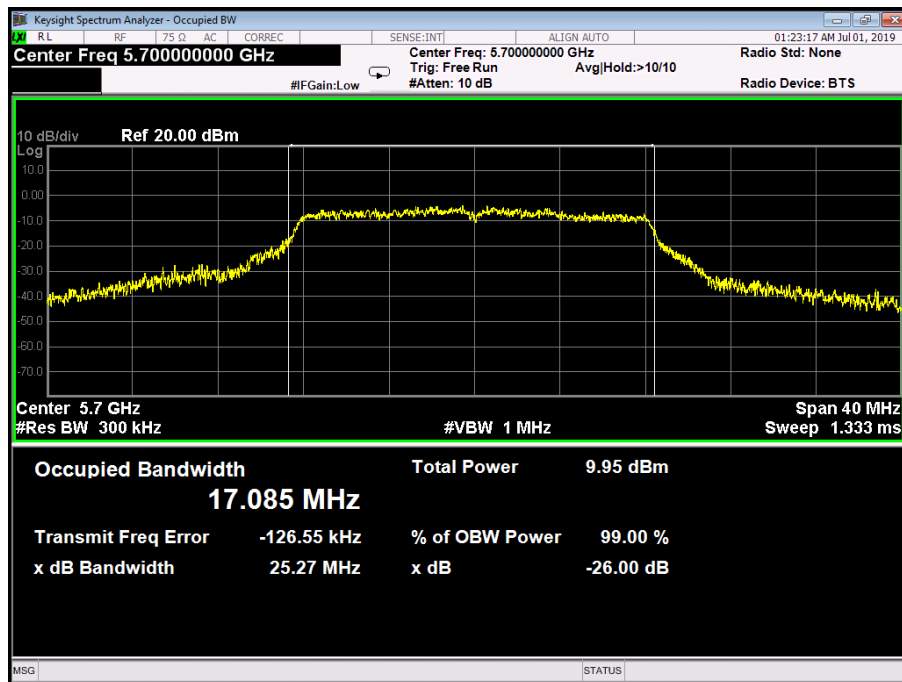
802.11a Mode

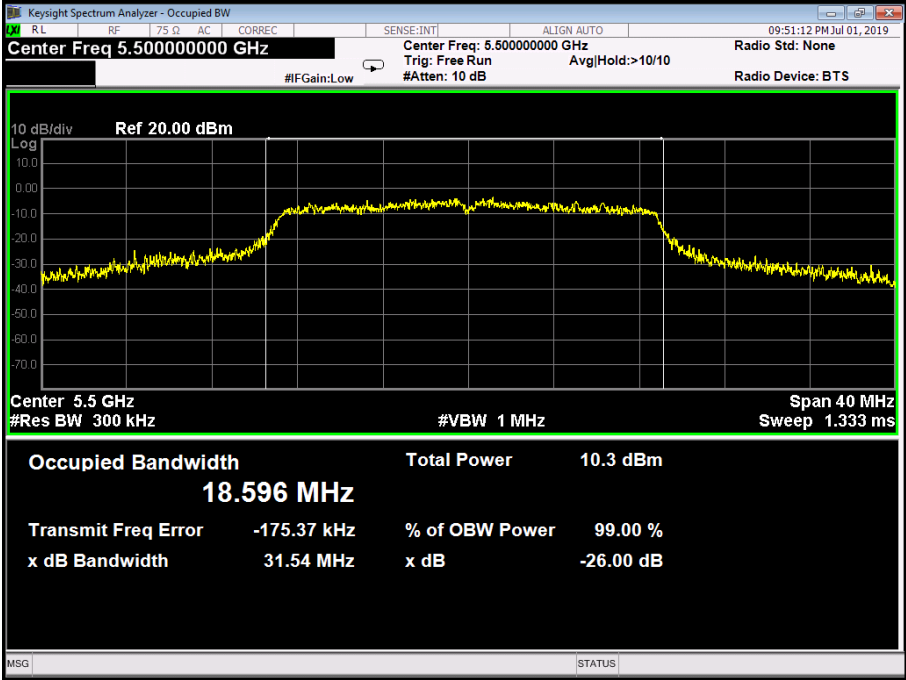
5600 MHz



802.11a Mode

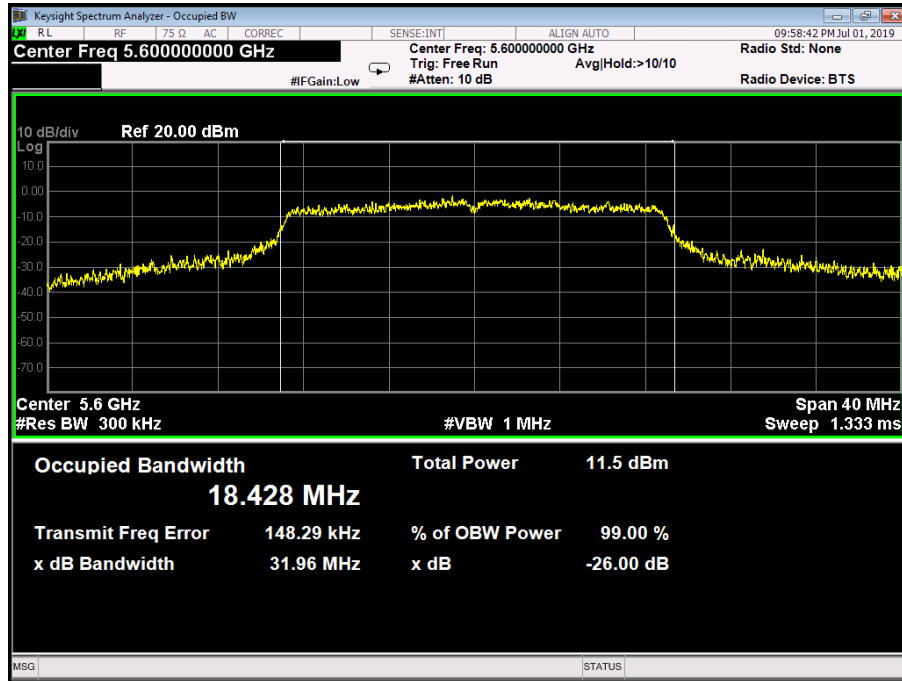
5700 MHz



Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11n(HT20) Mode (U-NII-2C)		
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
100	5500	31.54	18.596
116	5600	31.96	18.428
144	5700	33.09	18.978
802.11n(HT20) Mode			
5500 MHz			
			

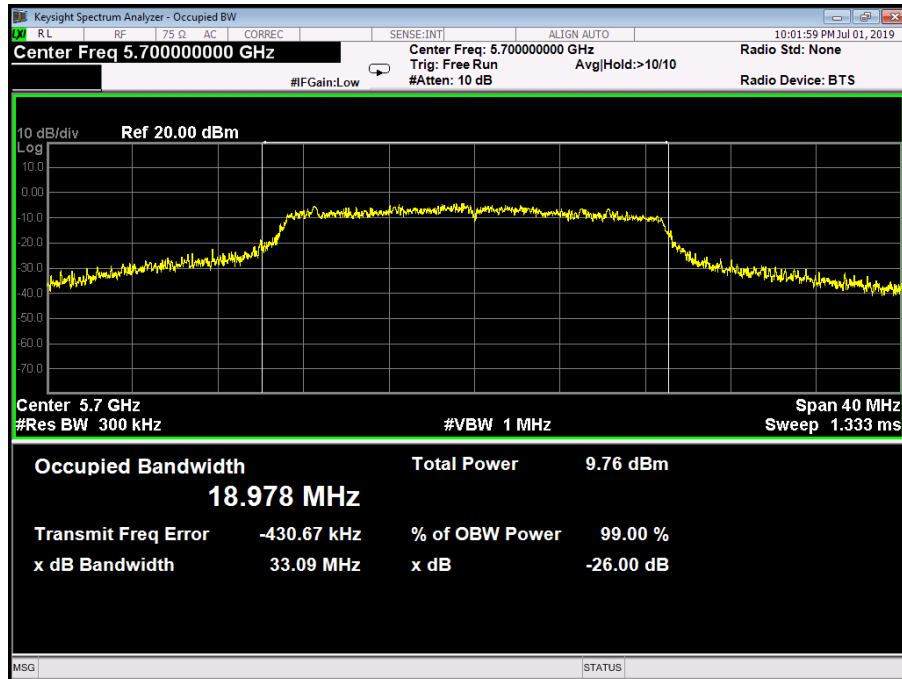
802.11n(HT20) Mode

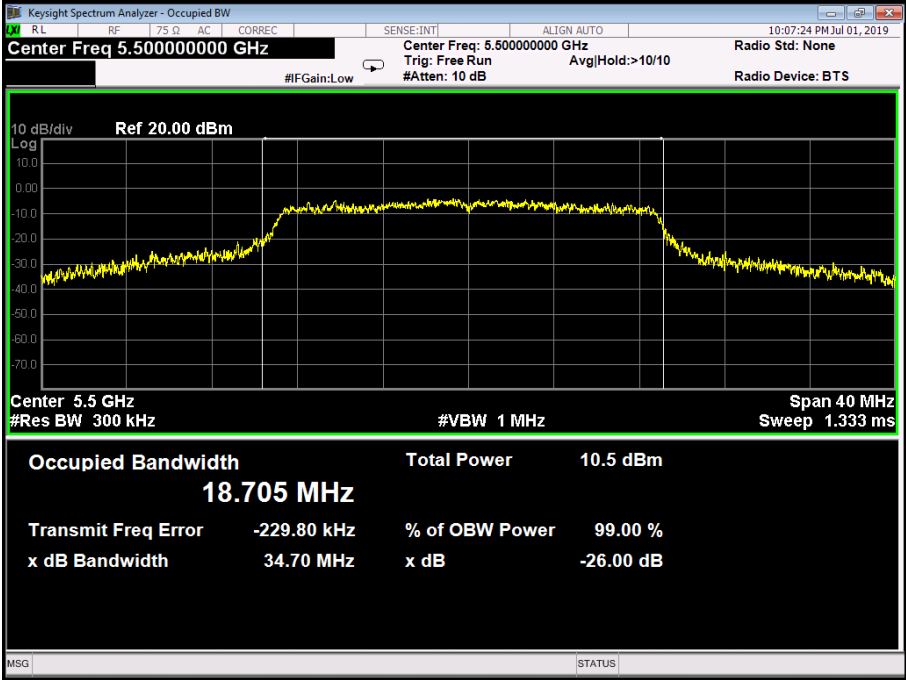
5600 MHz



802.11n(HT20) Mode

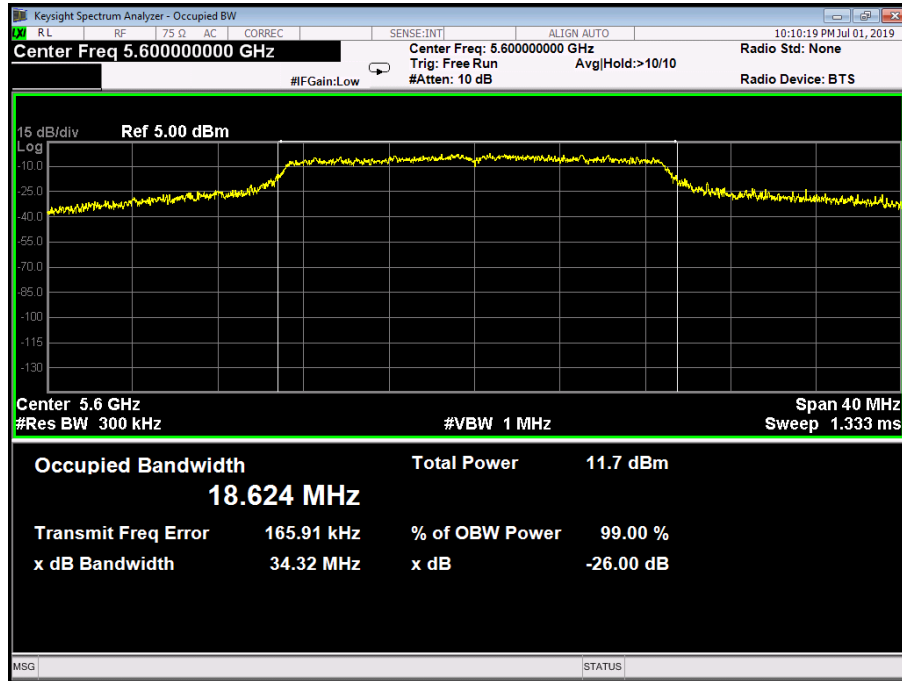
5700 MHz



Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11ac(20) Mode (U-NII-2C)		
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
100	5500	34.70	18.705
116	5600	34.32	18.624
144	5700	32.03	18.965
802.11ac(20) Mode			
5500 MHz			
 Keysight Spectrum Analyzer - Occupied BW Center Freq 5.500000000 GHz Center Freq: 5.500000000 GHz Trig: Free Run #Gain: Low #Atten: 10 dB Avg/Hold: >10/10 Radio Std: None Radio Device: BTS 10 dB/div Ref 20.00 dBm Center 5.5 GHz #Res BW 300 kHz #VBW 1 MHz Span 40 MHz Sweep 1.333 ms Occupied Bandwidth 18.705 MHz Total Power 10.5 dBm Transmit Freq Error -229.80 kHz % of OBW Power 99.00 % x dB Bandwidth 34.70 MHz x dB -26.00 dB			

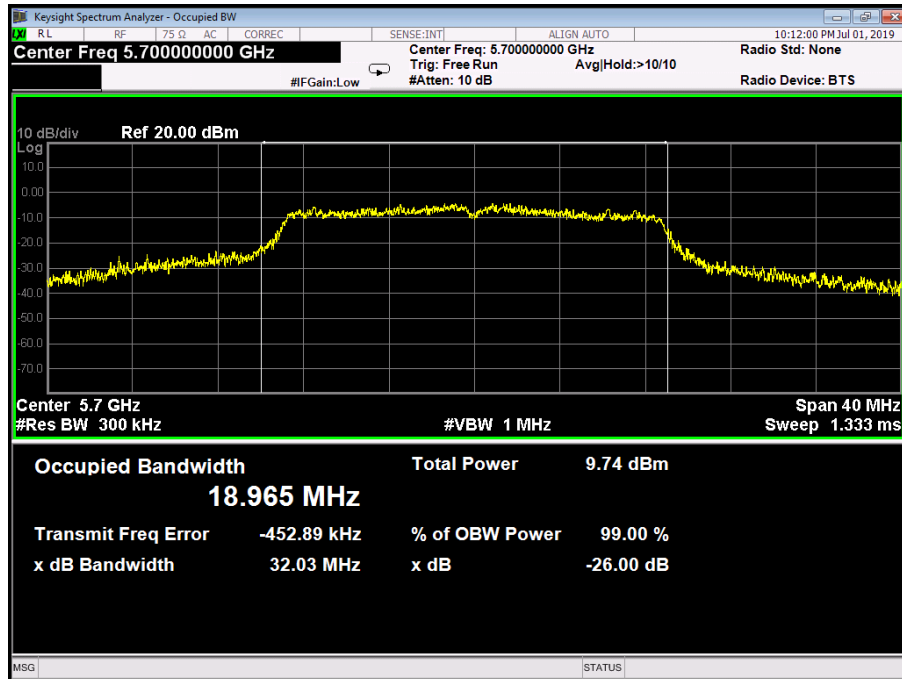
802.11ac(20) Mode

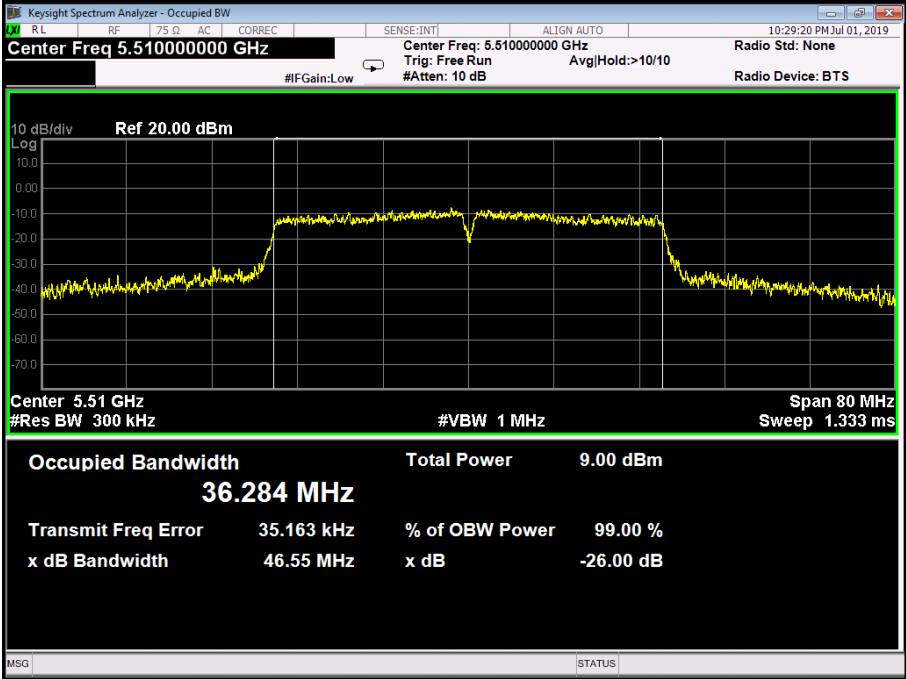
5600 MHz



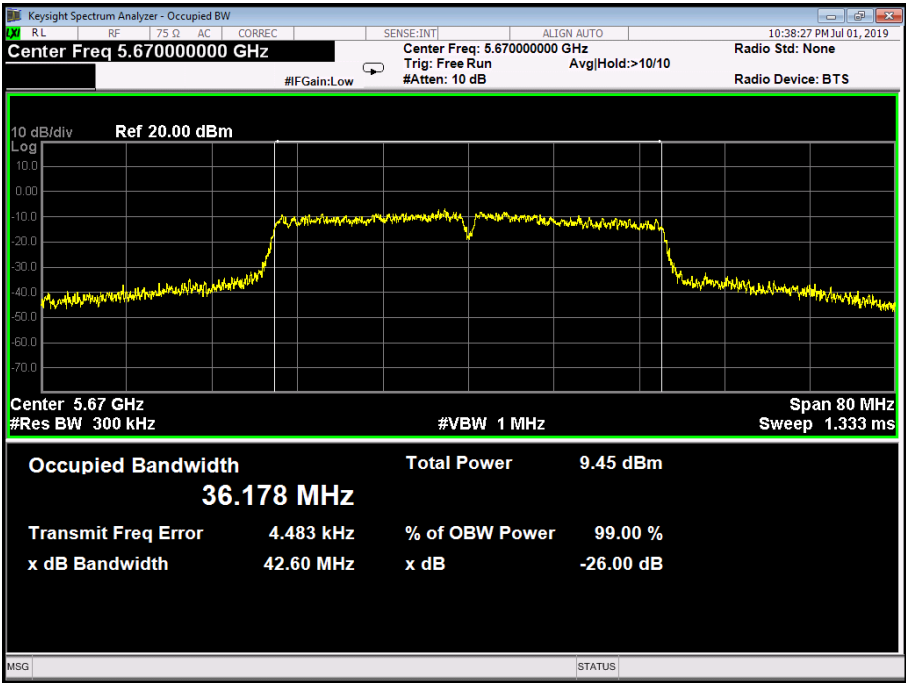
802.11ac(20) Mode

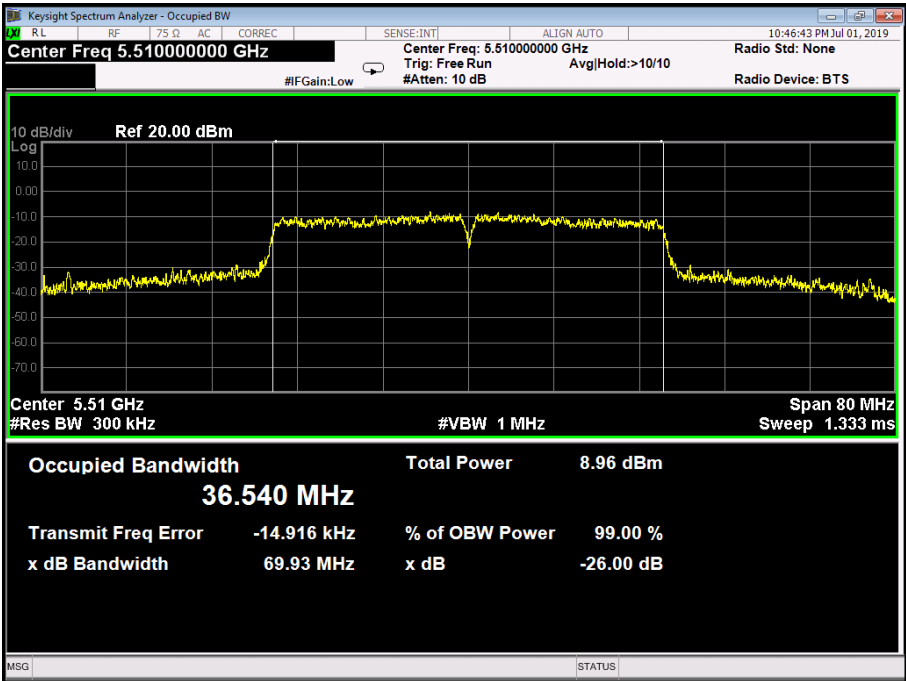
5700 MHz



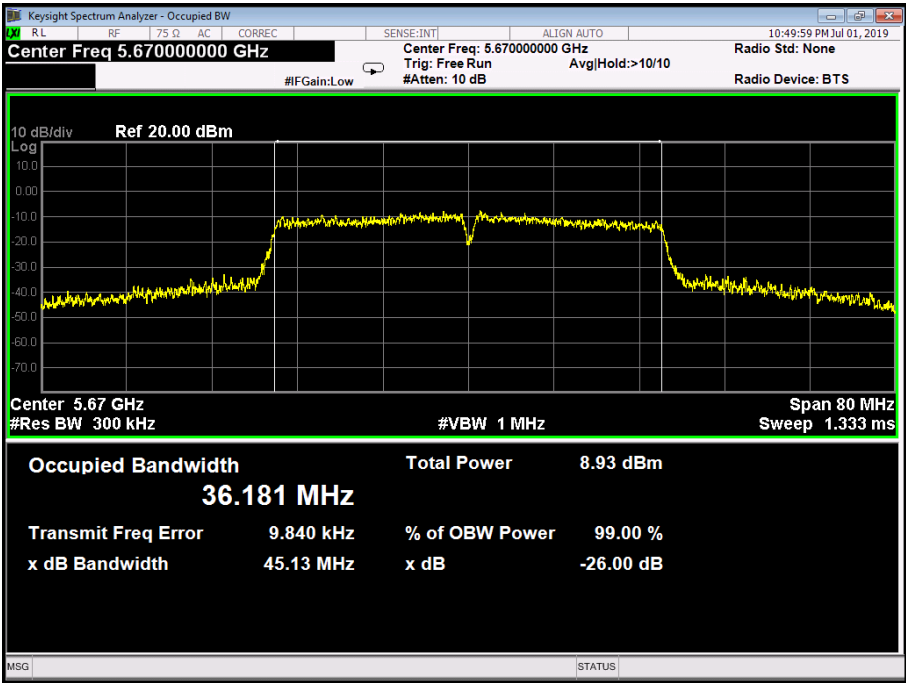
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11N(HT40) Mode (U-NII-2C)		
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
102	5510	46.55	36.284
134	5670	42.60	36.178
802.11N(HT40) Mode			
5510 MHz			
 Keysight Spectrum Analyzer - Occupied BW Center Freq 5.510000000 GHz Center Freq: 5.510000000 GHz Trig: Free Run #Gain: Low #Atten: 10 dB Avg/Hold: >10/10 Radio Std: None Radio Device: BTS 10 dB/div Ref 20.00 dBm Center 5.51 GHz #Res BW 300 kHz #VBW 1 MHz Span 80 MHz Sweep 1.333 ms Occupied Bandwidth 36.284 MHz Total Power 9.00 dBm Transmit Freq Error 35.163 kHz % of OBW Power 99.00 % x dB Bandwidth 46.55 MHz x dB -26.00 dB MSG STATUS			

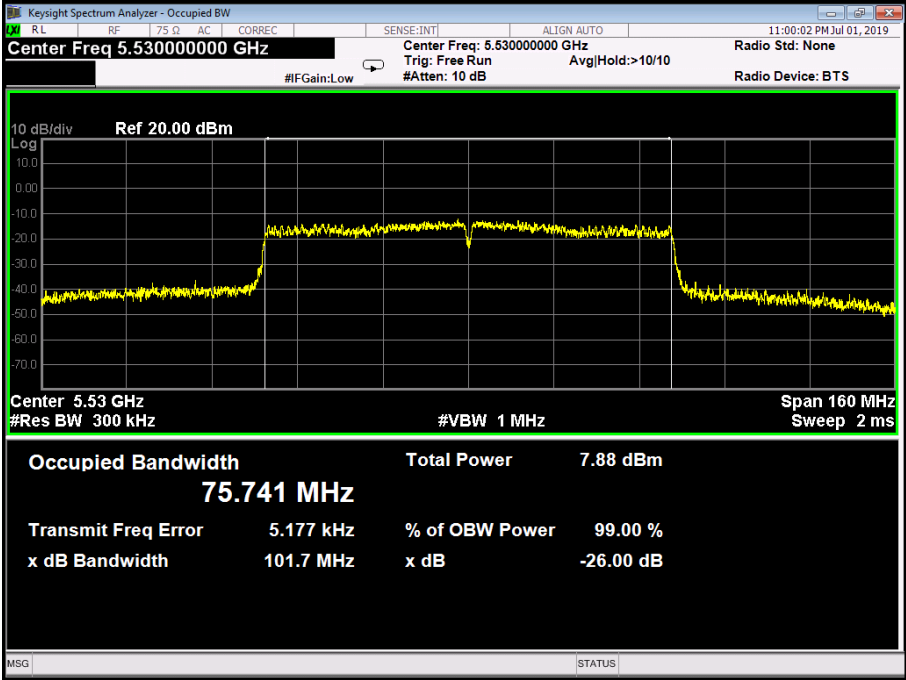
802.11N(HT40) Mode
5670 MHz



Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11 ac(HT40) Mode (U-NII-2C)		
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
102	5510	69.93	36.540
134	5670	45.13	36.181
802.11ac(HT40) Mode			
5510 MHz			
			

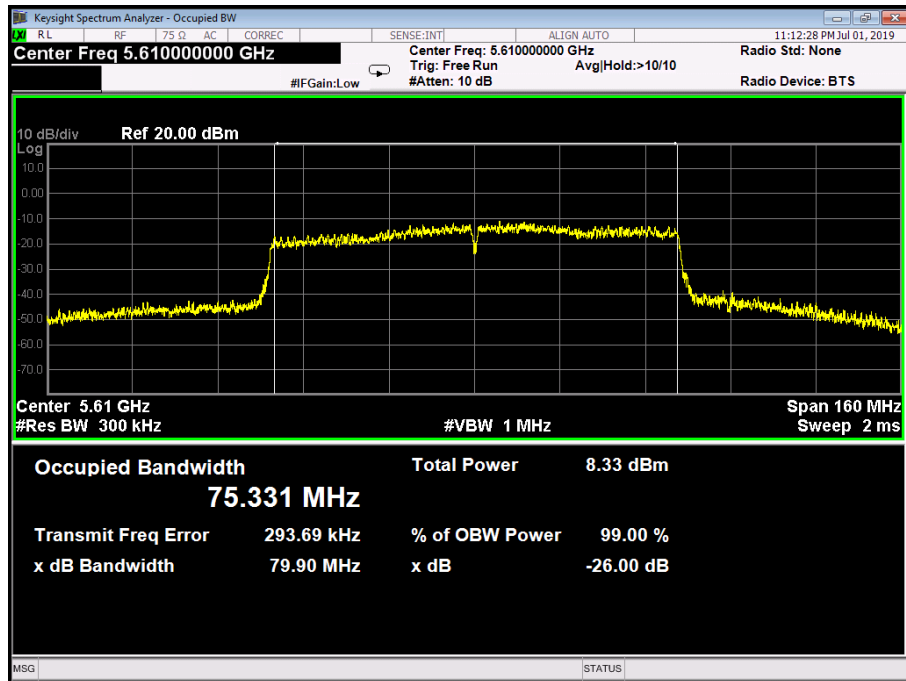
802.11ac(HT40) Mode
5670 MHz



Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11 ac(HT80) Mode (U-NII-2C)		
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
106	5530	101.7	75.741
122	5610	79.90	75.331
138	5690	79.76	75.367
802.11ac(HT80) Mode			
5530 MHz			
			

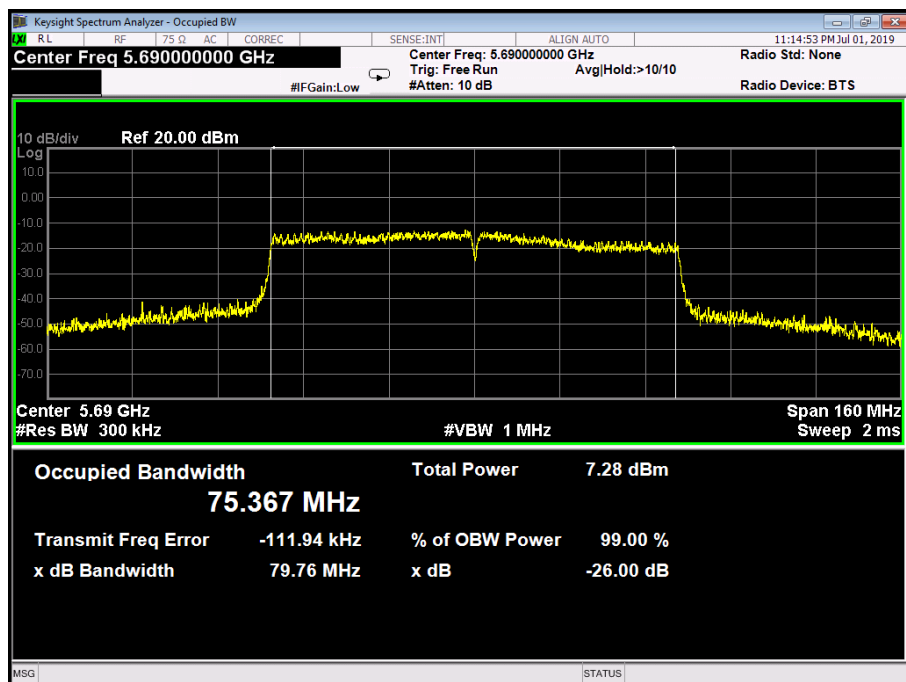
802.11ac(HT80) Mode

5610 MHz



802.11ac(HT80) Mode

5690 MHz



Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11a Mode (U-NII-3)		
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
149	5745	15.54	18.384
157	5785	16.27	17.586
165	5825	16.29	17.941

802.11a Mode

5745 MHz

Keysight Spectrum Analyzer - Occupied BW

RL

RF

75 dB

AC

CORREC

SENSE:INT

ALIGN:AUTO

12:03:01 AM Jul 02, 2019

Center Freq 5.745000000 GHz

Center Freq: 5.745000000 GHz

Trig: Free Run

Avg/Hold: >10/10

Radio Std: None

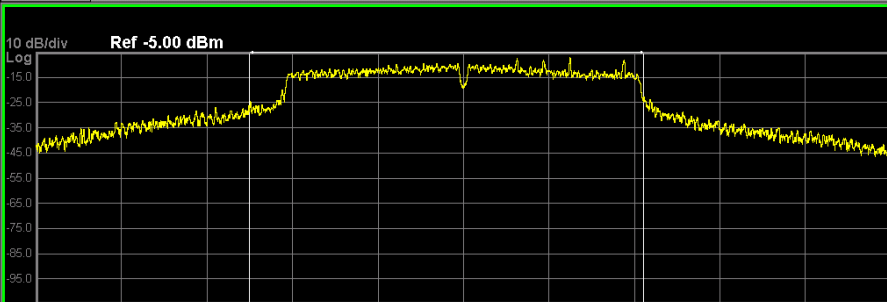
#FGain: Low

#Atten: 10 dB

Radio Device: BTS

10 dB/div

Ref -5.00 dBm



Center 5.745 GHz

#Res BW 100 kHz

#VBW 300 kHz

Span 40 MHz

Sweep 4 ms

Occupied Bandwidth

18.384 MHz

Total Power

9.54 dBm

Transmit Freq Error

-771.58 kHz

% of OBW Power

99.00 %

x dB Bandwidth

15.54 MHz

x dB

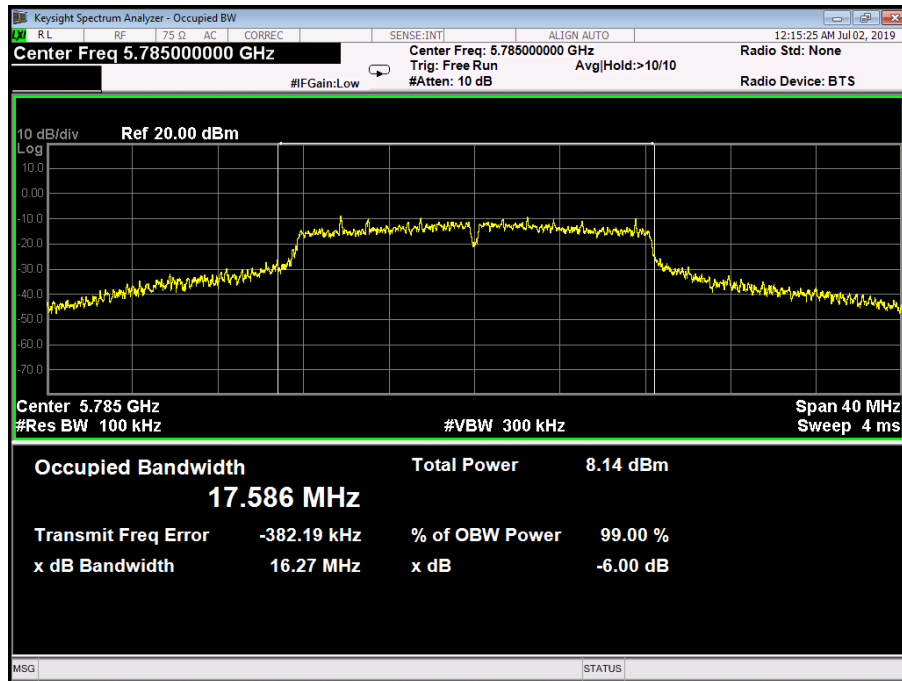
-6.00 dB

MSG

STATUS

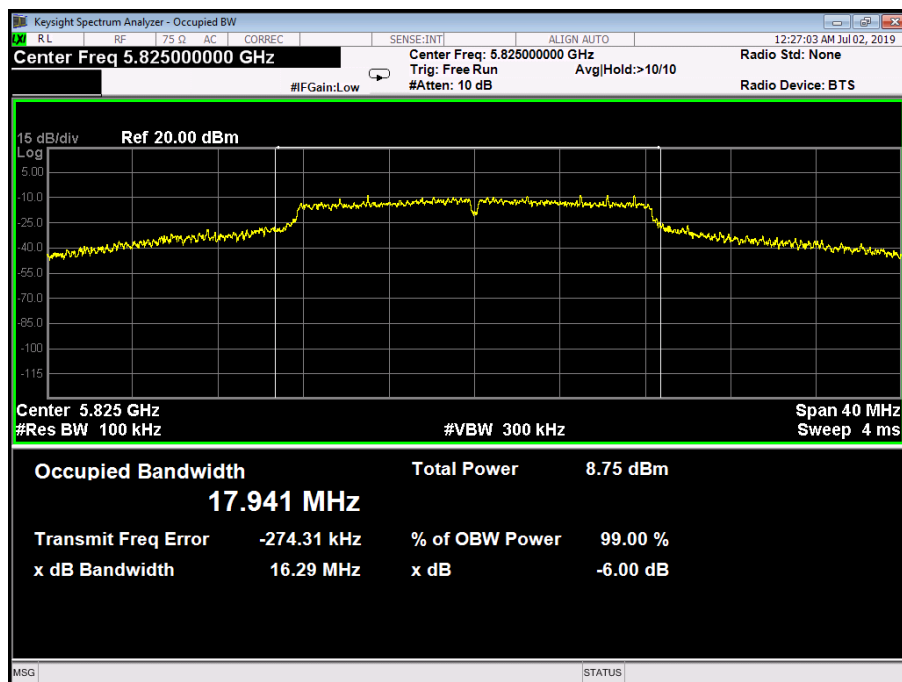
802.11a Mode

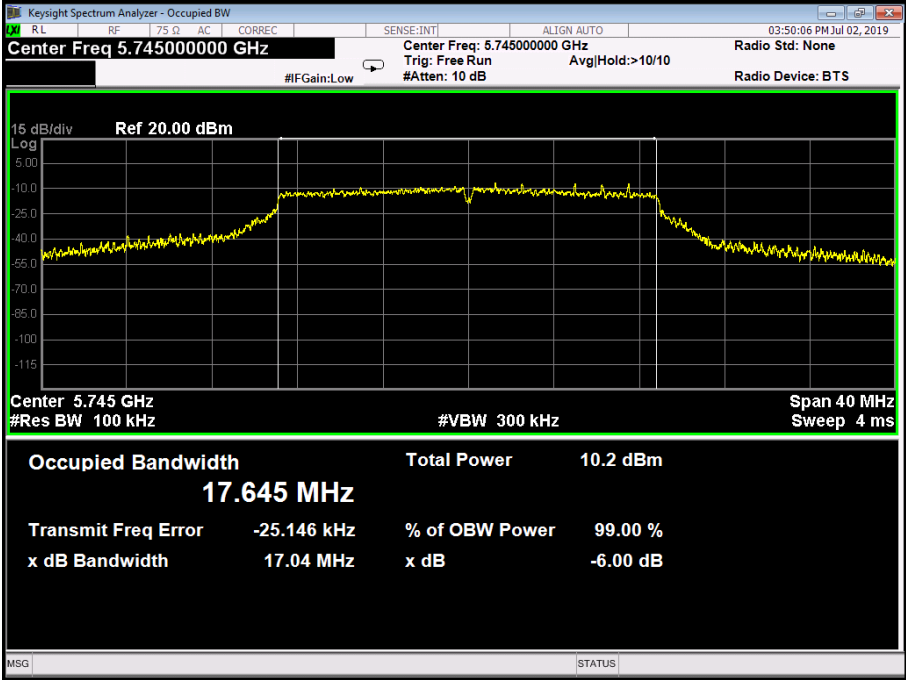
5785 MHz



802.11a Mode

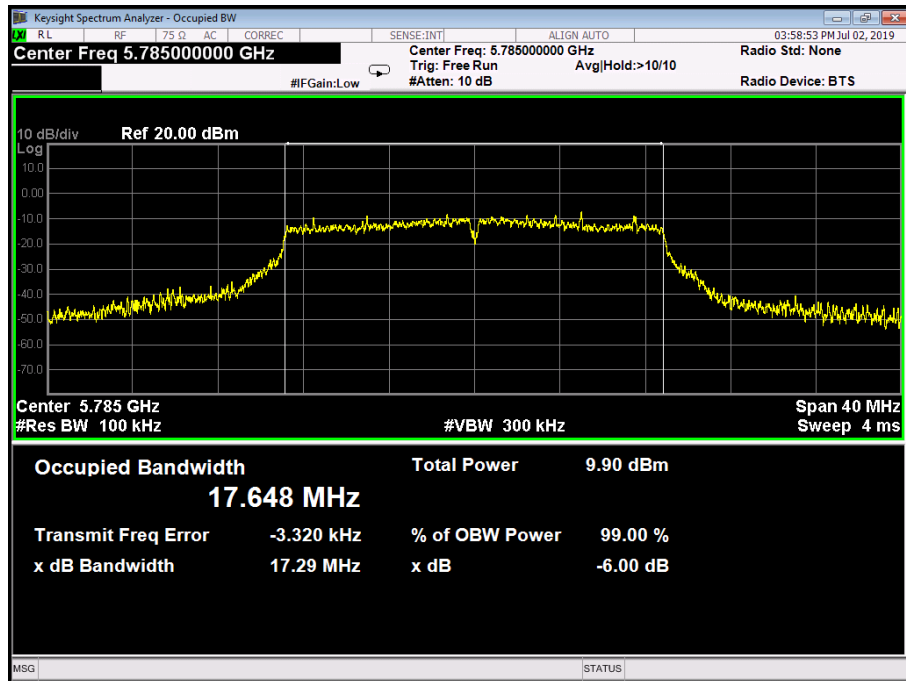
5825 MHz



Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11n(20) Mode (U-NII-3)		
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
149	5745	17.04	17.645
157	5785	17.29	17.648
165	5825	17.31	17.696
802.11n(HT20) Mode			
5745 MHz			
			

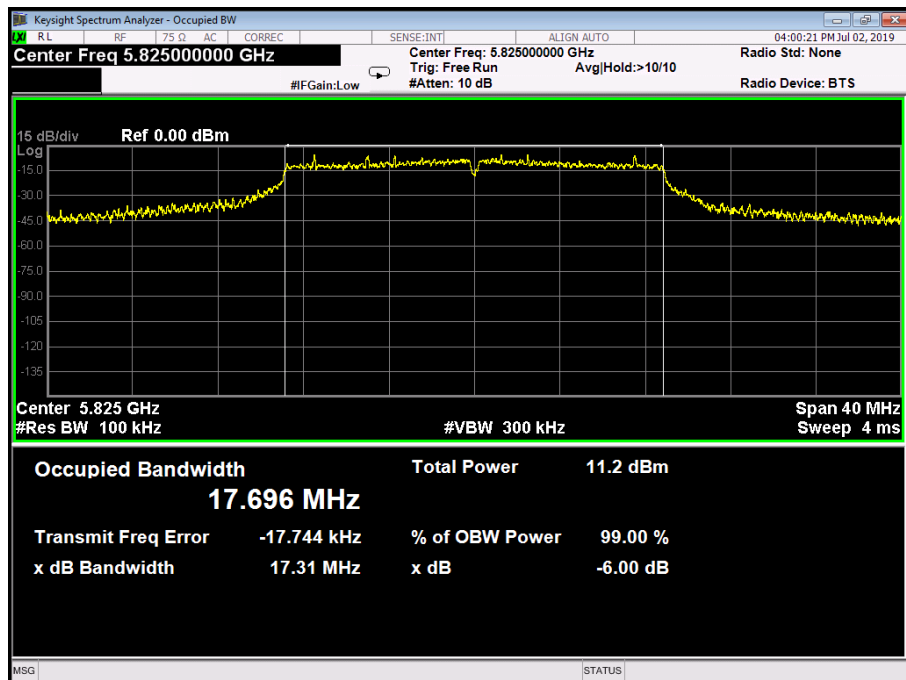
802.11n(HT20) Mode

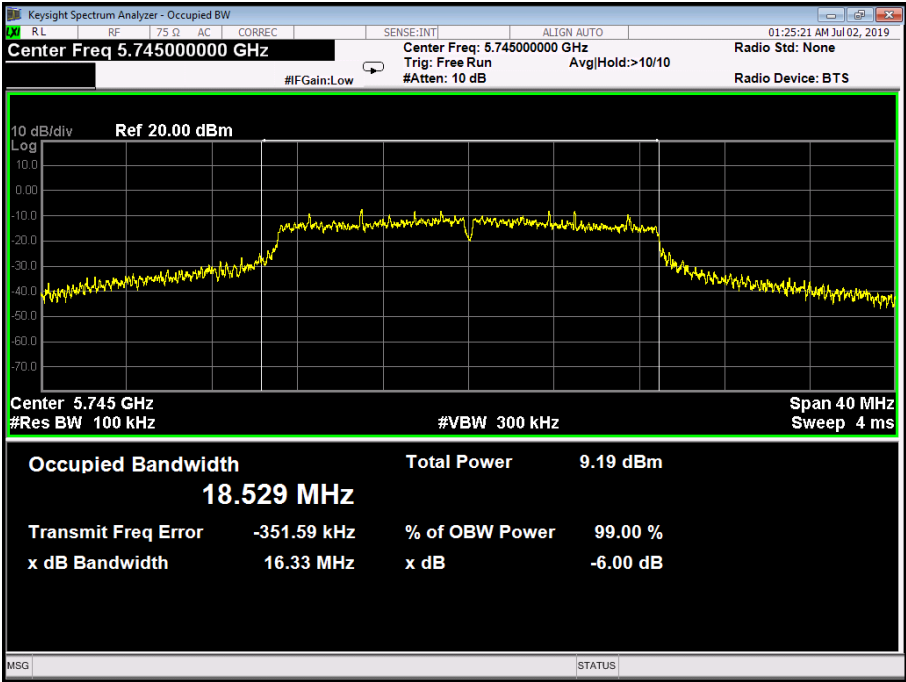
5785 MHz



802.11n(HT20) Mode

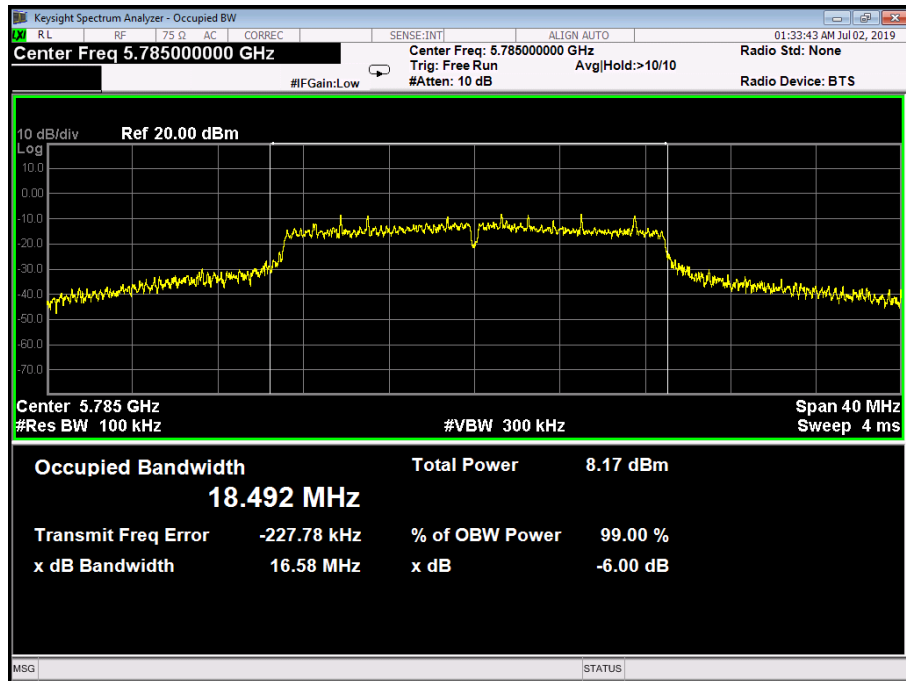
5825 MHz



Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11ac(20) Mode (U-NII-3)		
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
149	5745	16.33	18.529
157	5785	16.58	18.492
165	5825	17.12	18.308
802.11ac(20) Mode			
5745 MHz			
 Keysight Spectrum Analyzer - Occupied BW Center Freq 5.745000000 GHz Center Freq: 5.745000000 GHz Trig: Free Run #Gain: Low #Atten: 10 dB Avg/Hold: >10/10 Radio Std: None Radio Device: BTS 10 dB/div Ref 20.00 dBm Center 5.745 GHz #Res BW 100 kHz #VBW 300 kHz Span 40 MHz Sweep 4 ms Occupied Bandwidth 18.529 MHz Total Power 9.19 dBm Transmit Freq Error -351.59 kHz % of OBW Power 99.00 % x dB Bandwidth 16.33 MHz x dB -6.00 dB MSG STATUS			

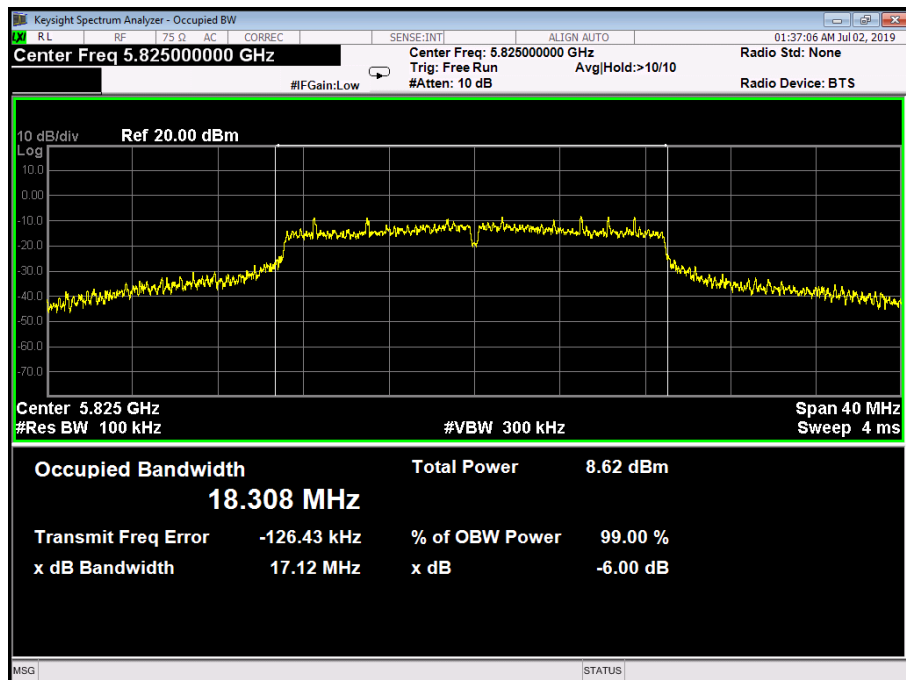
802.11ac(20) Mode

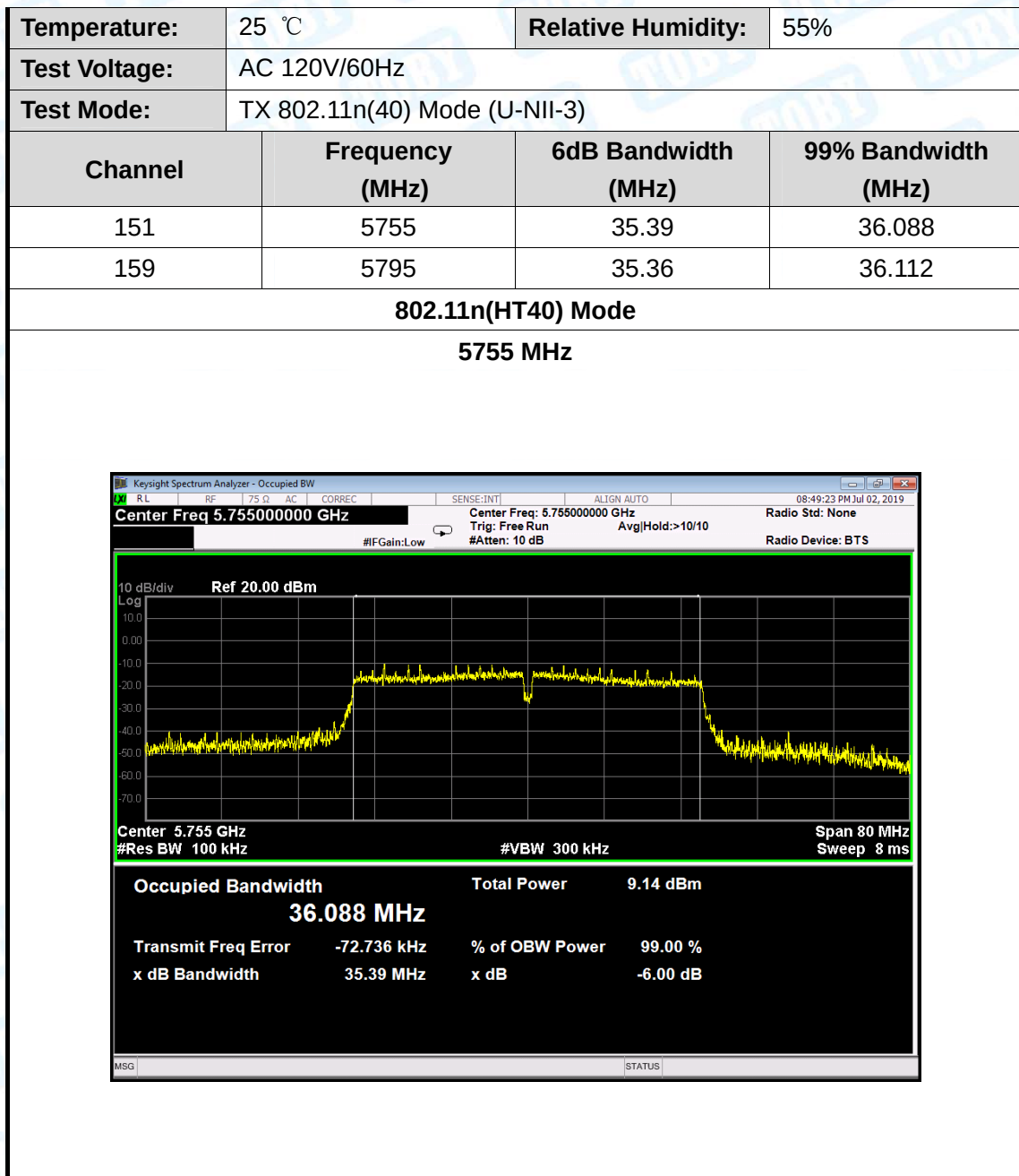
5785 MHz



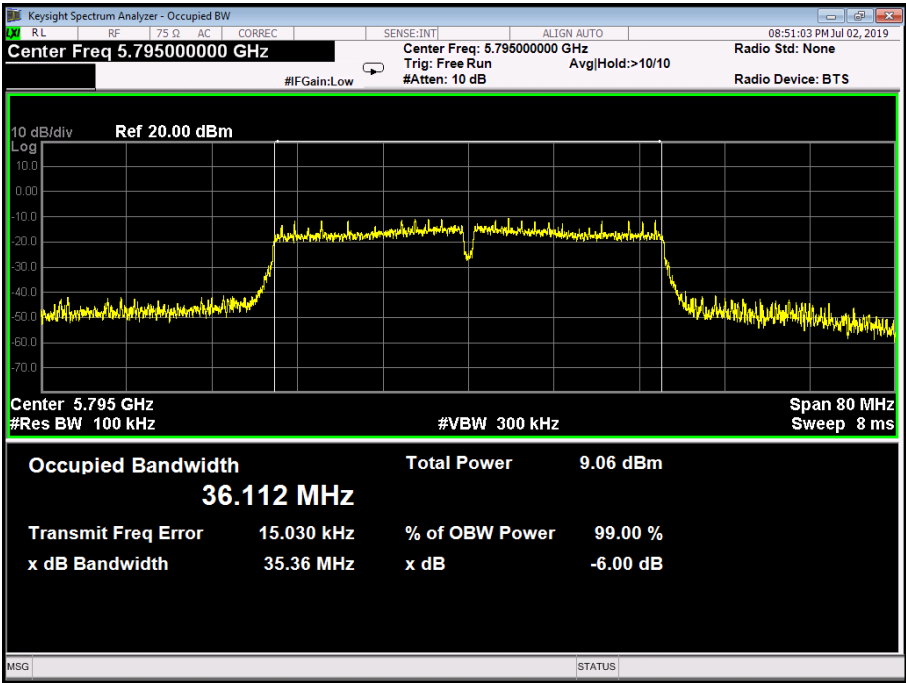
802.11ac(20) Mode

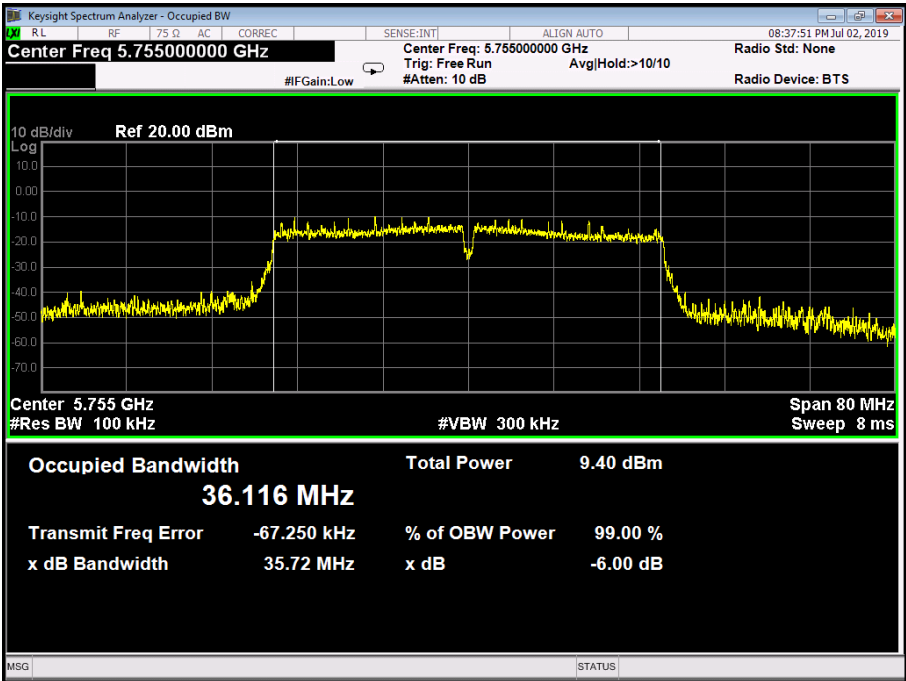
5825 MHz

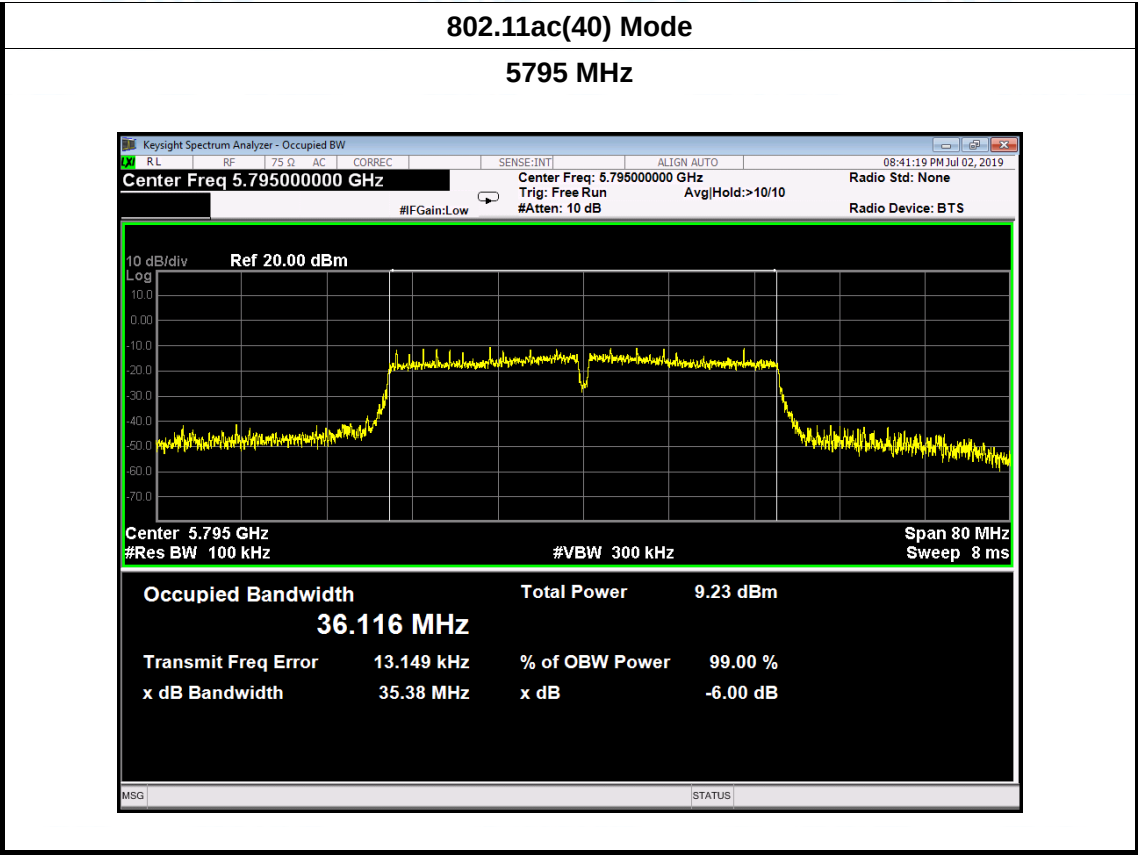


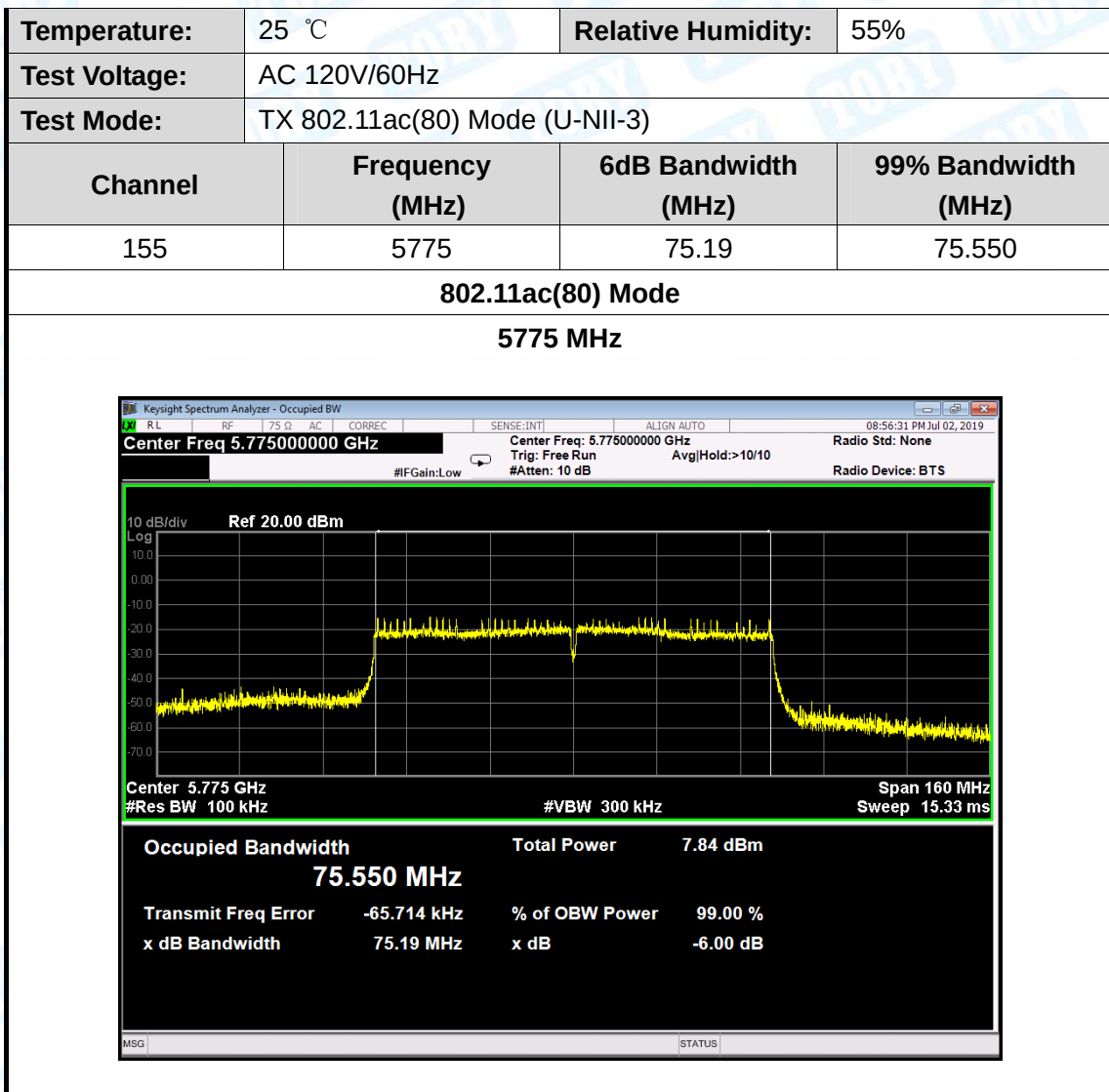


802.11n(HT40) Mode
5795 MHz



Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11ac(40) Mode (U-NII-3)		
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
151	5755	35.72	36.116
159	5795	35.38	36.116
802.11ac(40) Mode			
5755 MHz			
 Keysight Spectrum Analyzer - Occupied BW Center Freq 5.755000000 GHz Center Freq: 5.755000000 GHz Trig: Free Run Avg/Hold: >10/10 Radio Std: None Radio Device: BTS #FGain: Low #Res BW 100 kHz #VBW 300 kHz Sweep 8 ms Ref 20.00 dBm 10 dB/div Log Occupied Bandwidth 36.116 MHz Total Power 9.40 dBm Transmit Freq Error -67.250 kHz % of OBW Power 99.00 % x dB Bandwidth 35.72 MHz x dB -6.00 dB			





Attachment E-- Output Power Test Data

Temperature:	25 °C	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz					
U-NII-1						
Test Mode	Frequency (MHz)	Test Data			Limit (dBm)	
		Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)		
802.11a	5180	16.57	0	16.57	24	
	5200	16.81	0	16.81		
	5240	16.45	0	16.45		
802.11n (HT20)	5180	16.30	0	16.30		
	5200	16.60	0	16.60		
	5240	15.91	0	15.91		
802.11ac (HT20)	5180	16.33	0	16.33		
	5200	16.61	0	16.61		
	5240	16.09	0	16.09		
802.11n (HT40)	5190	14.62	0	14.62		
	5230	15.49	0	15.49		
802.11 ac(40)	5190	15.75	0	15.75		
	5230	15.89	0	15.89		
802.11 ac(80)	5210	14.00	0	14.00		
Result: PASS						
Remark: the Directional Gain=3.0dBi<6 dBi.						

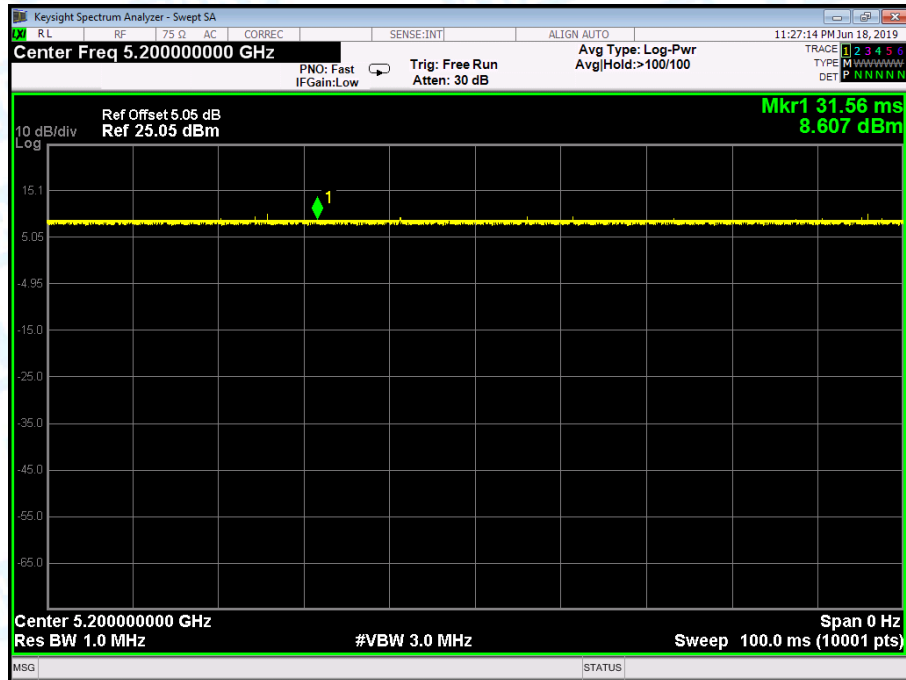
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz					
U-NII-2A						
Test Mode	Frequency (MHz)	Test Data			Limit (dBm)	
		Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)		
802.11a	5260	15.81	0	15.81	24	
	5280	15.61	0	15.61		
	5320	13.84	0	13.84		
802.11n (HT20)	5260	15.30	0	15.30		
	5280	15.41	0	15.41		
	5320	15.25	0	15.25		
802.11ac (HT20)	5260	15.40	0	15.40		
	5280	15.18	0	15.18		
	5320	15.35	0	15.35		
802.11n (HT40)	5270	15.11	0	15.11		
	5310	15.33	0	15.33		
802.11 ac(40)	5270	15.99	0	15.99		
	5310	15.26	0	15.26		
802.11 ac(80)	5290	15.22	0	15.22		
Result: PASS						
Remark: the Directional Gain=3.0dBi<6 dBi.						

Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz					
U-NII-2C						
Test Mode	Frequency (MHz)	Test Data			Limit (dBm)	
		Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)		
802.11a	5500	16.09	0	16.09	24	
	5600	15.44	0	15.44		
	5700	15.17	0	15.17		
802.11n (HT20)	5500	14.86	0	14.86		
	5600	16.55	0	16.55		
	5700	14.69	0	14.69		
802.11ac (HT20)	5500	15.13	0	15.13		
	5600	16.63	0	16.63		
	5700	14.62	0	14.62		
802.11n (HT40)	5510	13.40	0	13.40		
	5670	14.33	0	14.33		
802.11 ac(40)	5510	13.43	0	13.43		
	5670	13.55	0	13.55		
802.11 ac(80)	5530	12.05	0	12.05		
	5610	12.68	0	12.68		
	5690	12.04	0	12.04		
Result: PASS						
Remark: the Directional Gain=3.0dBi<6 dBi.						

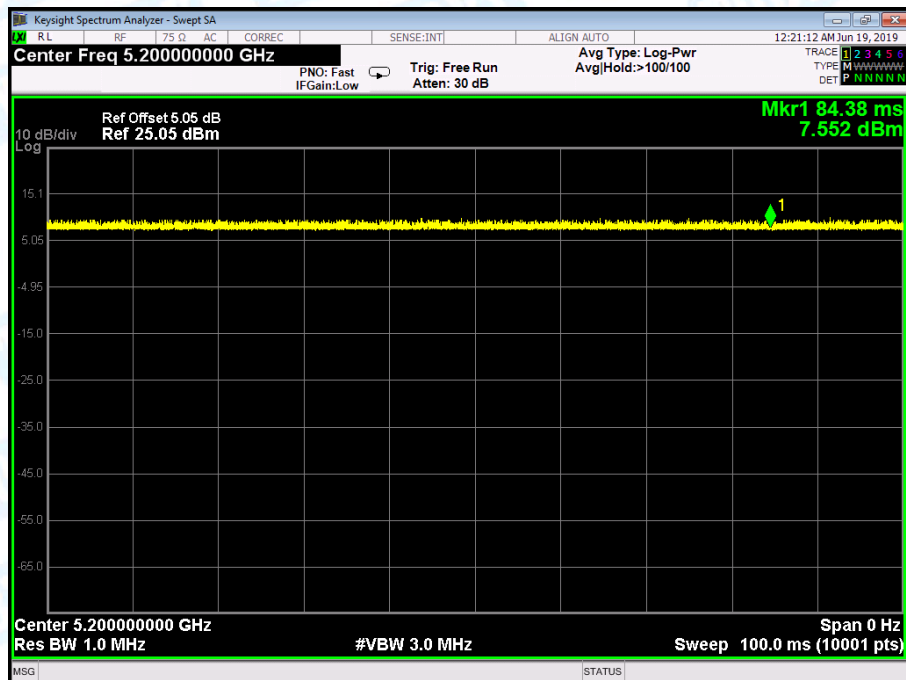
Temperature:	25 °C	Relative Humidity:	55%		
Test Voltage:	AC 120V/60Hz				
U-NII-3					
Test Mode	Frequency (MHz)	Test Data			Limit (dBm)
		Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	
802.11a	5745	14.61	0	14.61	30
	5785	13.14	0	13.14	
	5825	13.61	0	13.61	
802.11n (HT20)	5745	15.26	0	15.26	
	5785	14.91	0	14.91	
	5825	15.73	0	15.73	
802.11ac (HT20)	5745	14.09	0	14.09	
	5785	13.03	0	13.03	
	5825	13.47	0	13.47	
802.11n (HT40)	5755	13.98	0	13.98	
	5795	14.02	0	14.02	
802.11 ac(40)	5755	14.24	0	14.24	
	5795	14.37	0	14.37	
802.11 ac(80)	5775	12.58	0	12.58	
Result: PASS					
Remark: the Directional Gain=3.0dBi<6 dBi.					

Test Mode		Duty cycle
U-NII-1	802.11 a	>98%
	802.11 n(HT20)	
	802.11 ac(HT20)	
	802.11 n(HT40)	
	802.11 ac(HT40)	
	802.11 ac(HT80)	
U-NII-2A	802.11 a	
	802.11 n(HT20)	
	802.11 ac(HT20)	
	802.11 n(HT40)	
	802.11 ac(HT40)	
	802.11 ac(HT80)	
U-NII-2C	802.11 a	
	802.11 n(HT20)	
	802.11 ac(HT20)	
	802.11 n(HT40)	
	802.11 ac(HT40)	
	802.11 ac(HT80)	
U-NII-3	802.11 a	
	802.11 n(HT20)	
	802.11 ac(HT20)	
	802.11 n(HT40)	
	802.11 ac(HT40)	
	802.11 ac(HT80)	
Please see the next plots.		

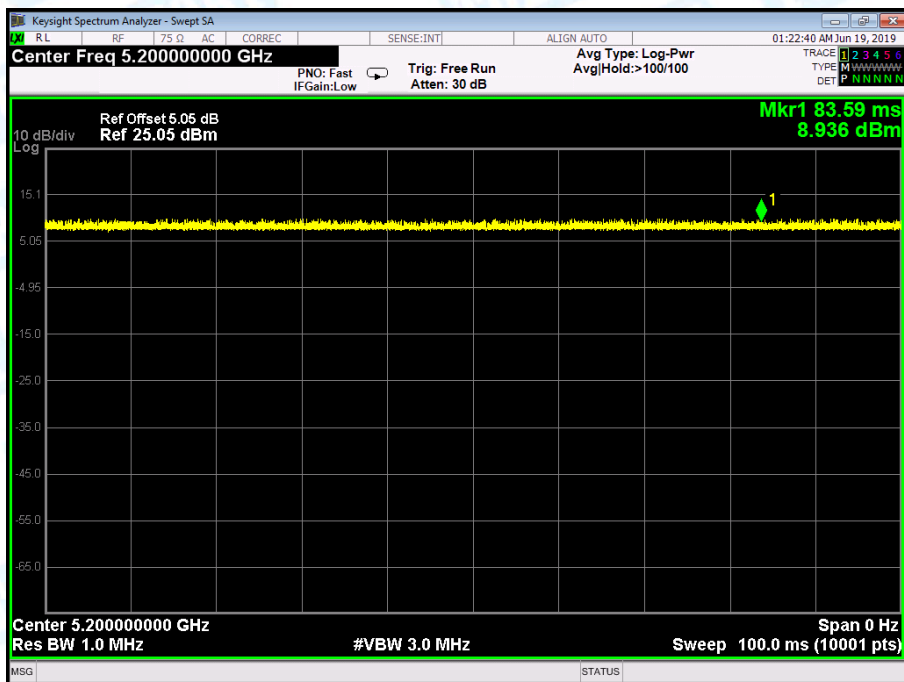
802.11 a 5200MHz U-NII-1



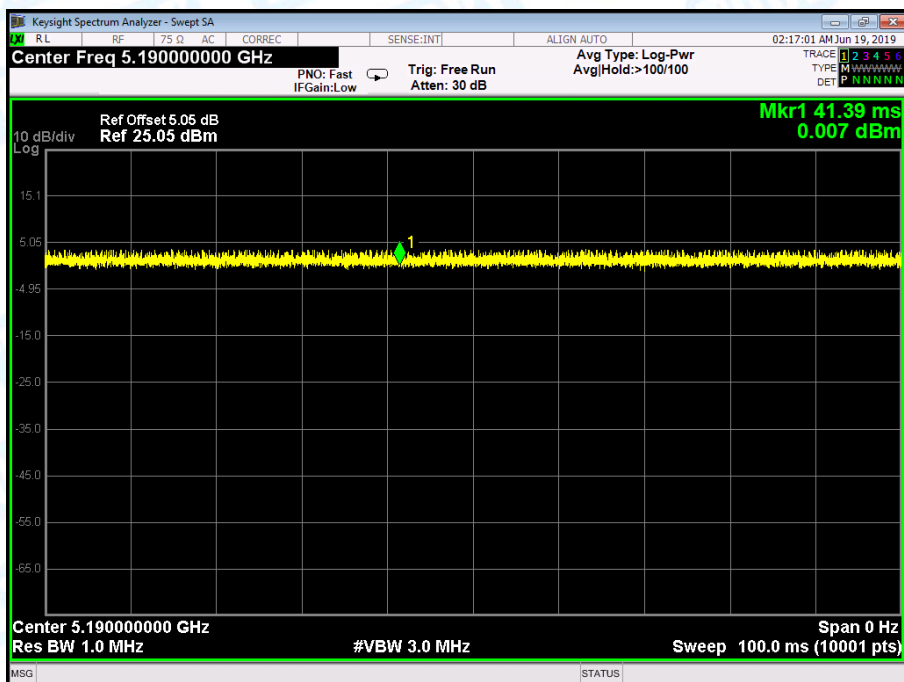
802.11 n(HT20) 5200MHz U-NII-1



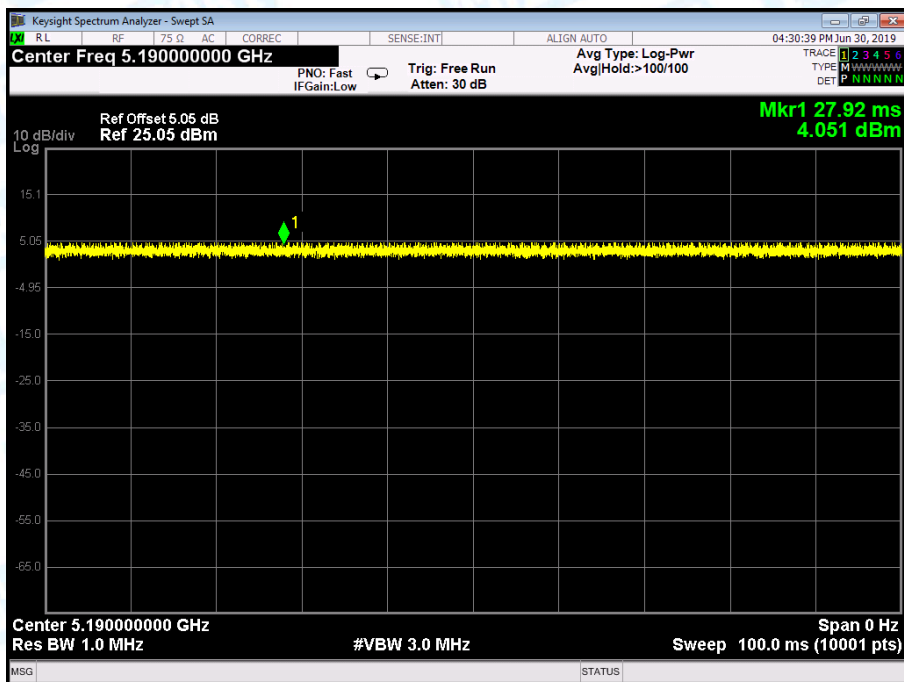
802.11 ac(HT20) 5200MHz U-NII-1



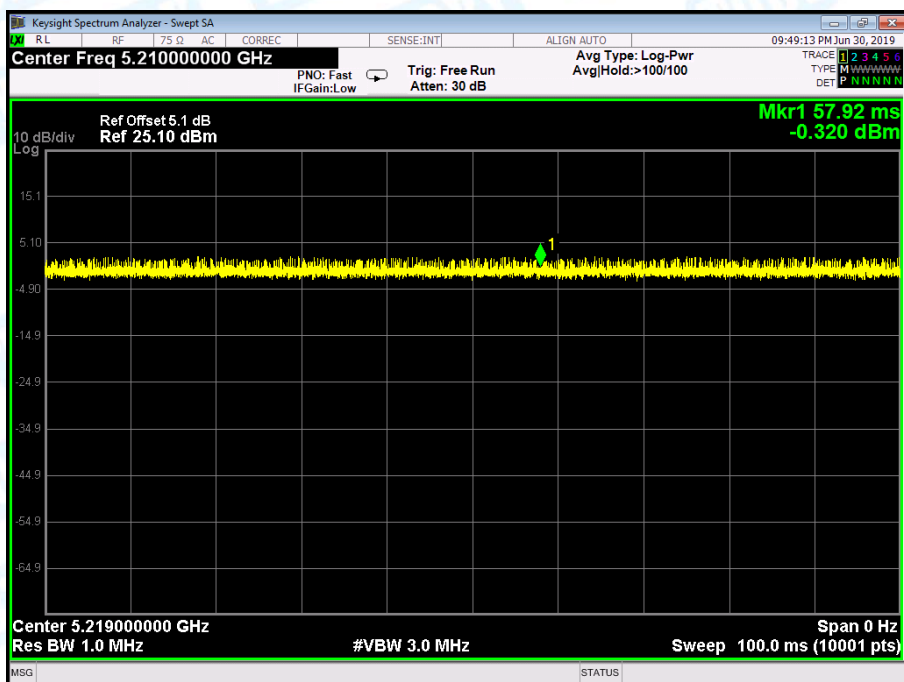
802.11 n(HT40) 5190MHz U-NII-1



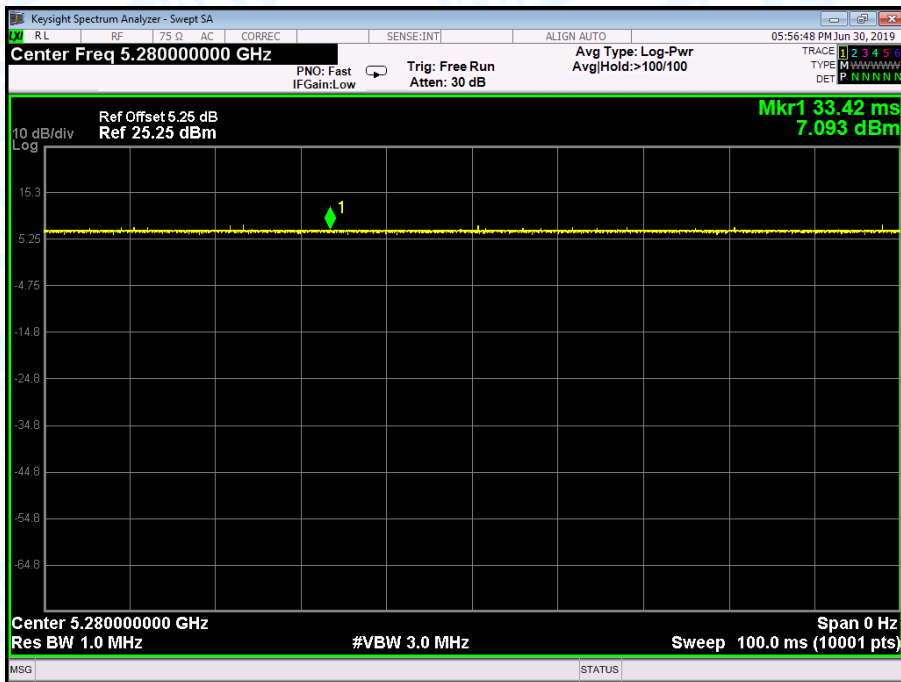
802.11 ac(HT40) 5190MHz U-NII-1



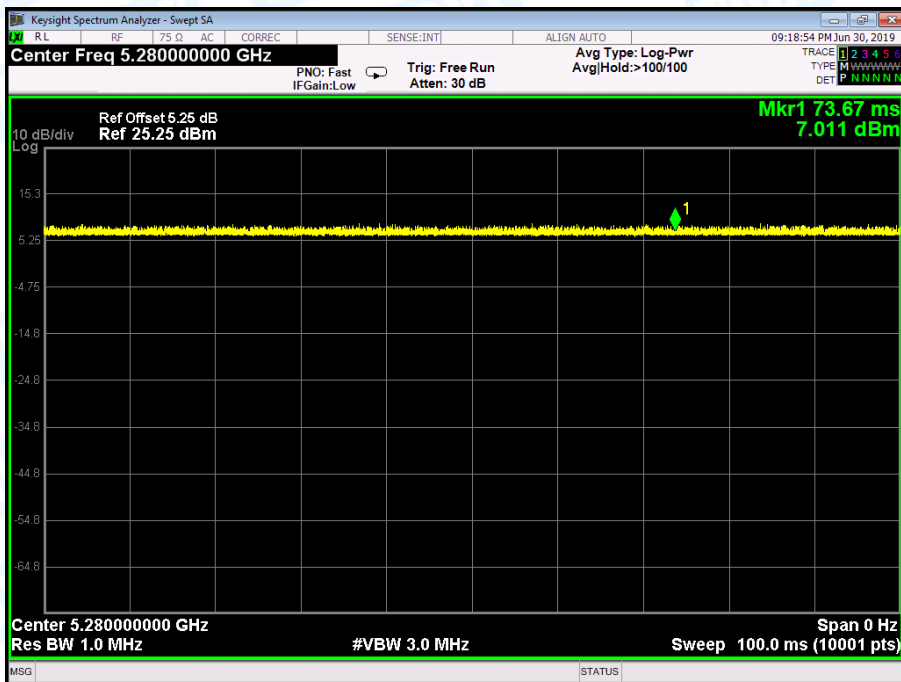
802.11 ac(HT80) 5210MHz U-NII-1



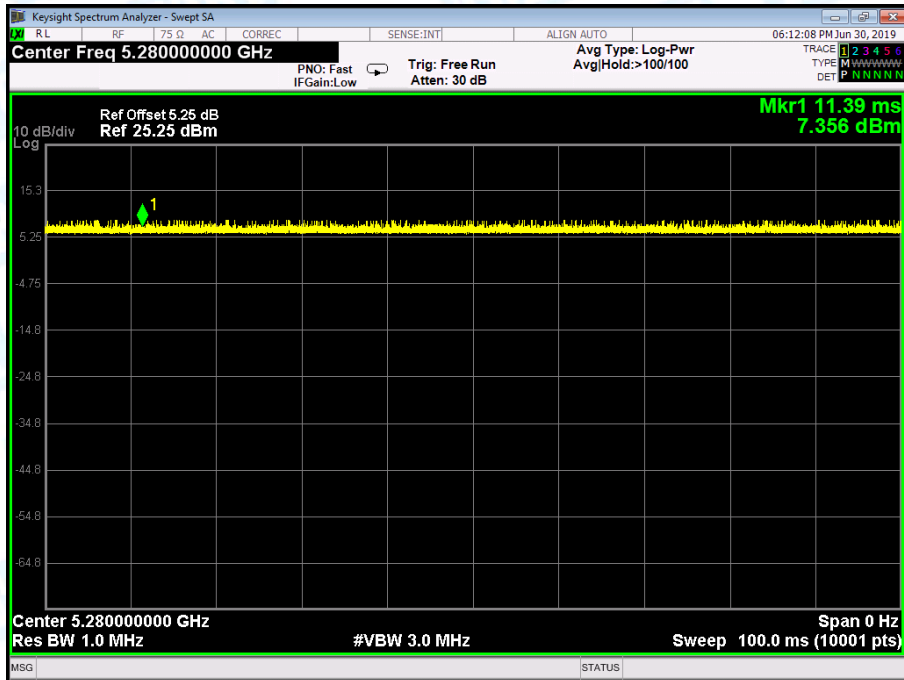
802.11 a 5280MHz U-NII-2A



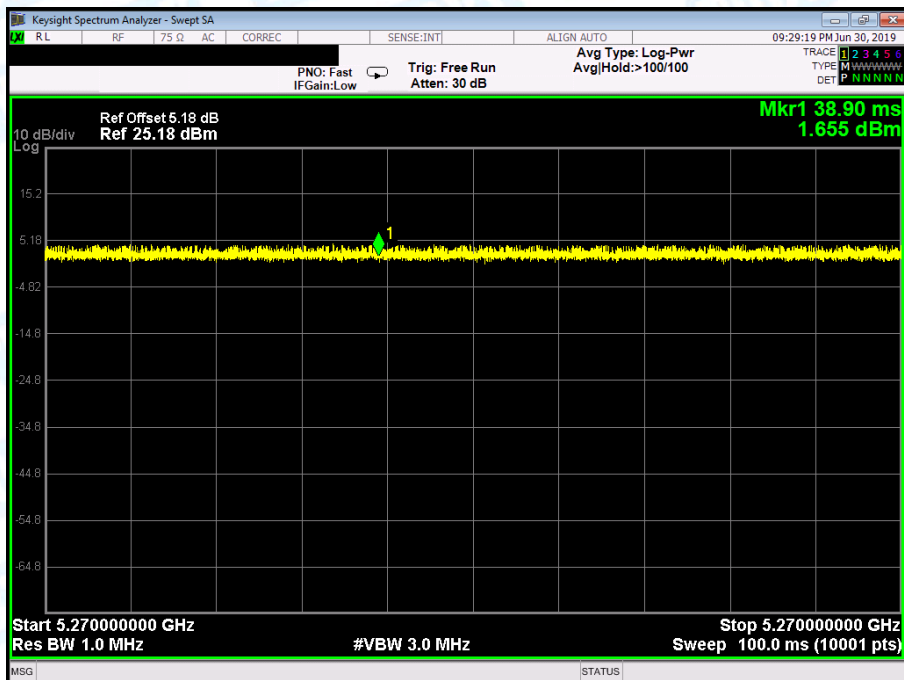
802.11 n(HT20) 5280MHz U-NII-2A



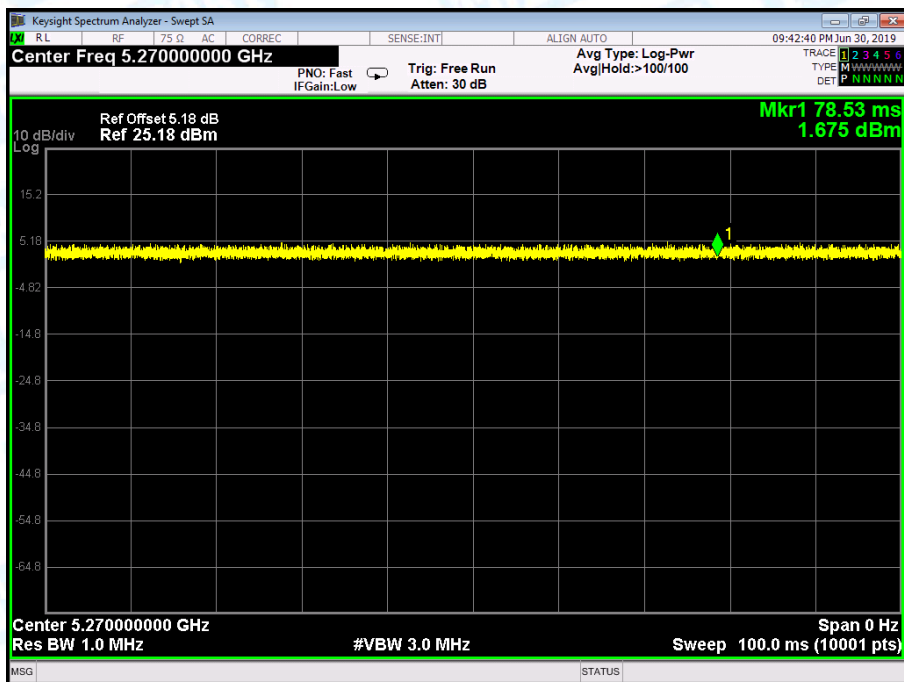
802.11 ac(HT20) 5280MHz U-NII-2A



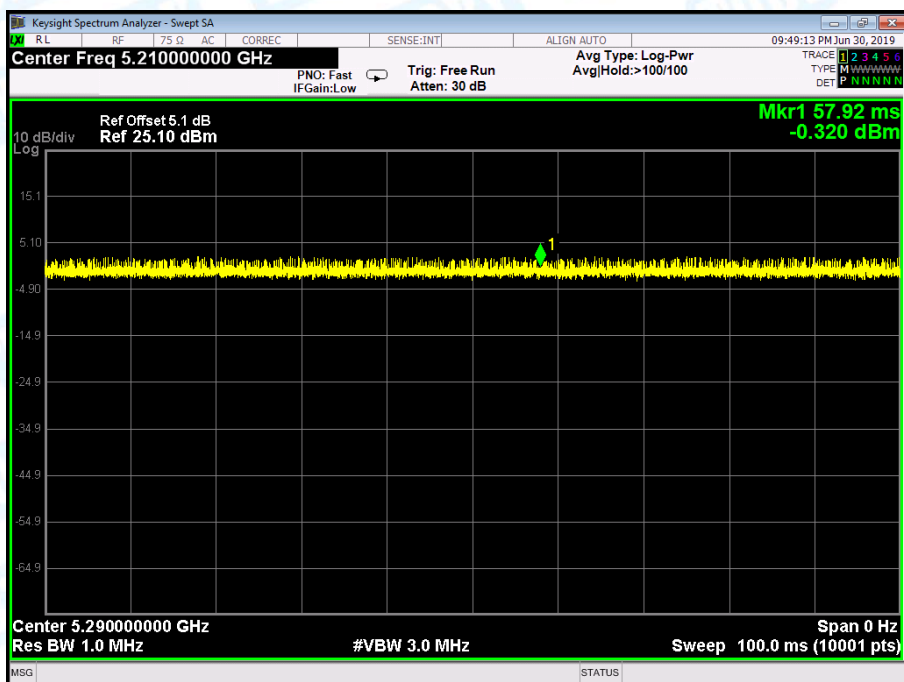
802.11 n(HT40) 5270MHz U-NII-2A



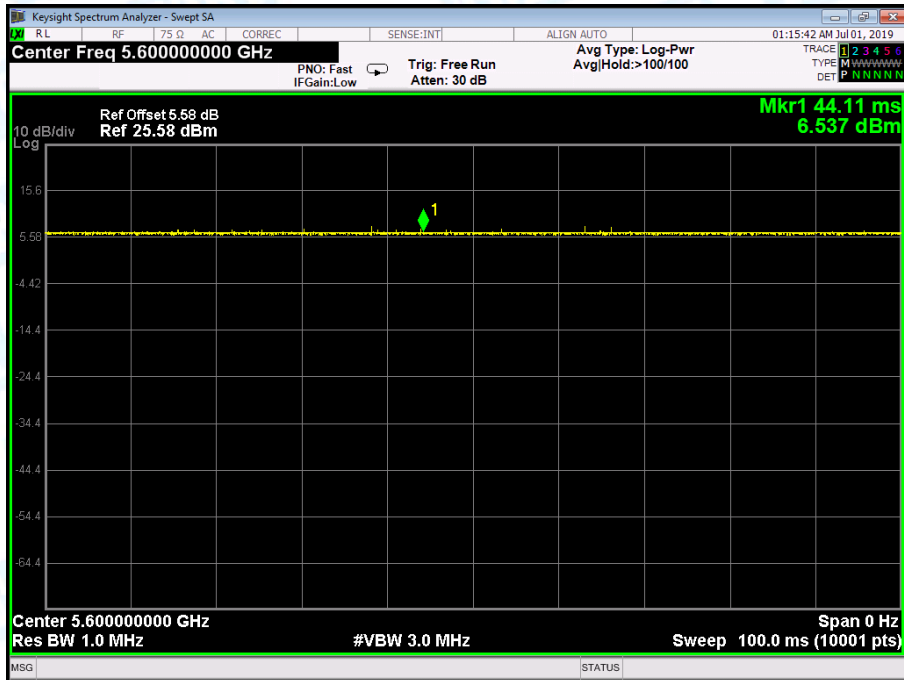
802.11 ac(HT40) 5270MHz U-NII-2A



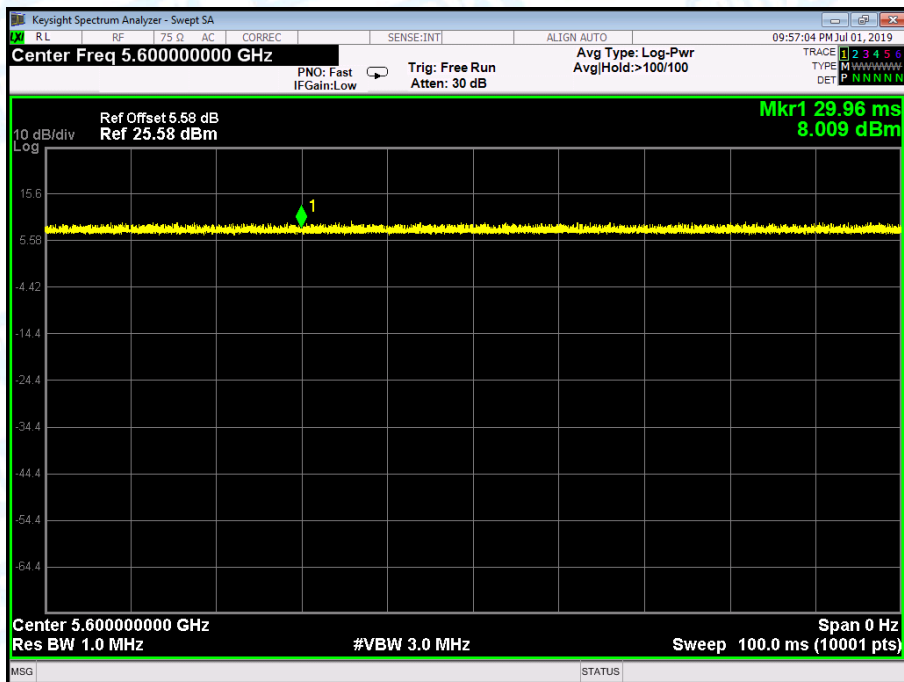
802.11 ac(HT80) 5290MHz U-NII-2A



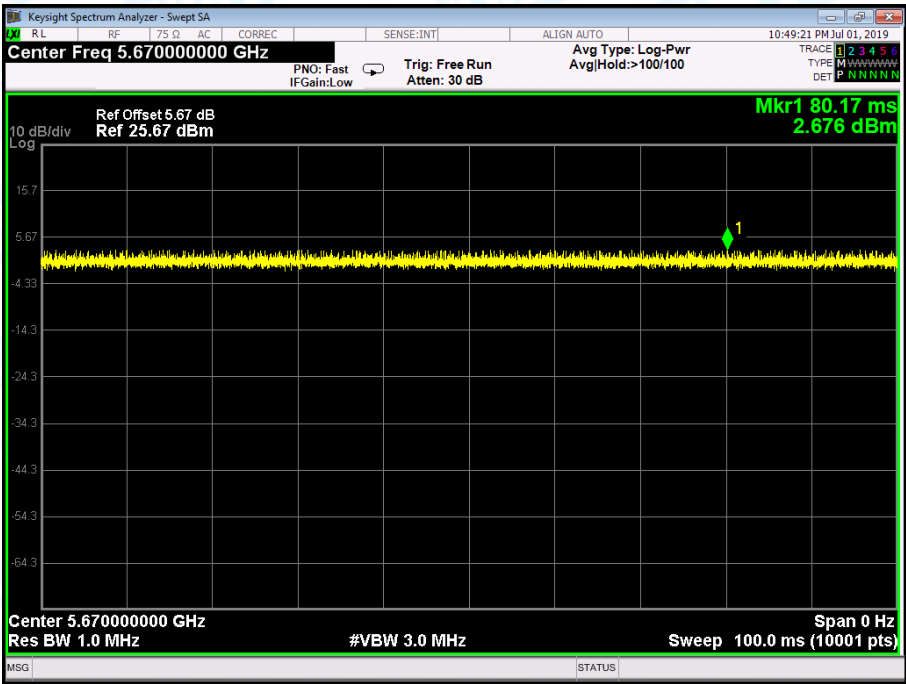
802.11 a 5600MHz U-NII-2C



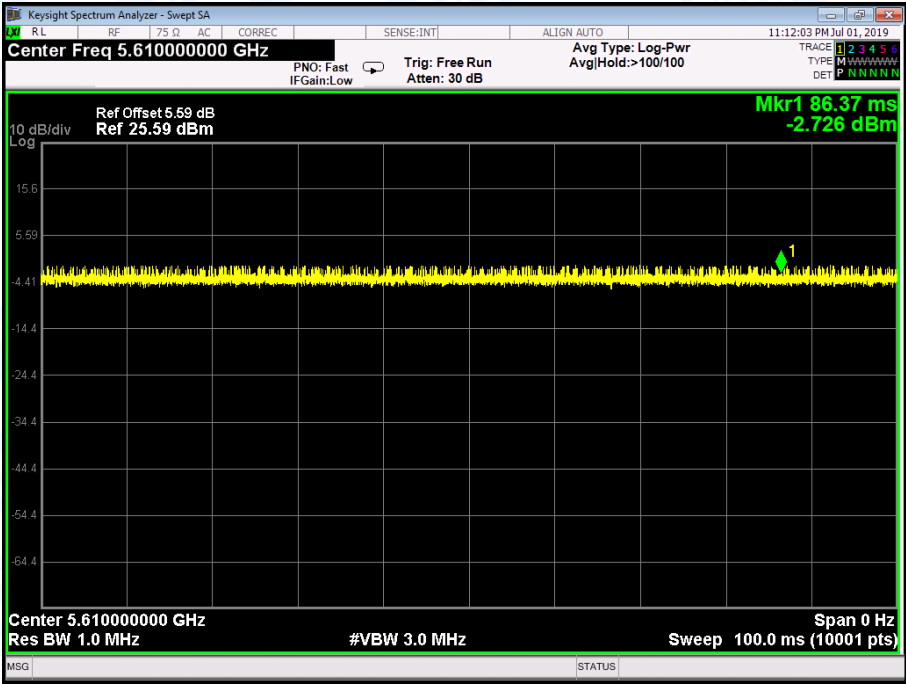
802.11 n(HT20) 5600MHz U-NII-2C



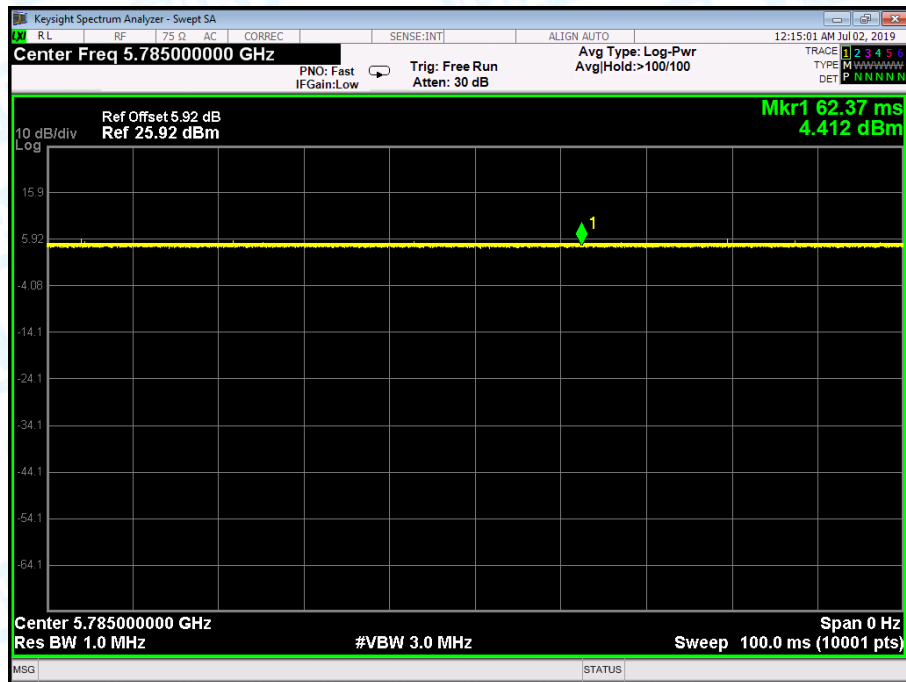
802.11 ac(HT40) 5670MHz U-NII-2C



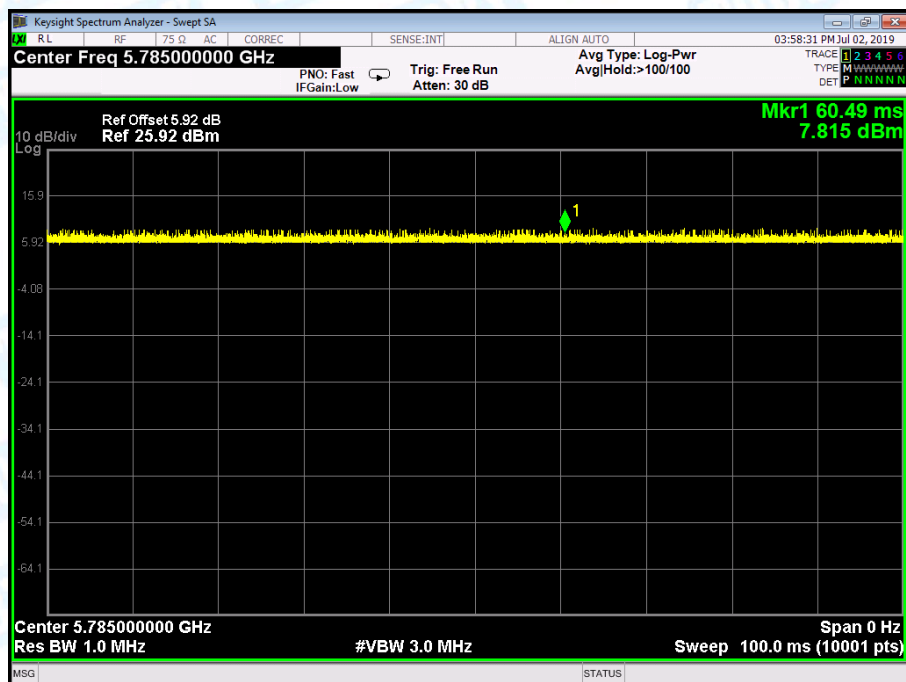
802.11 ac(HT80) 5610MHz U-NII-2C



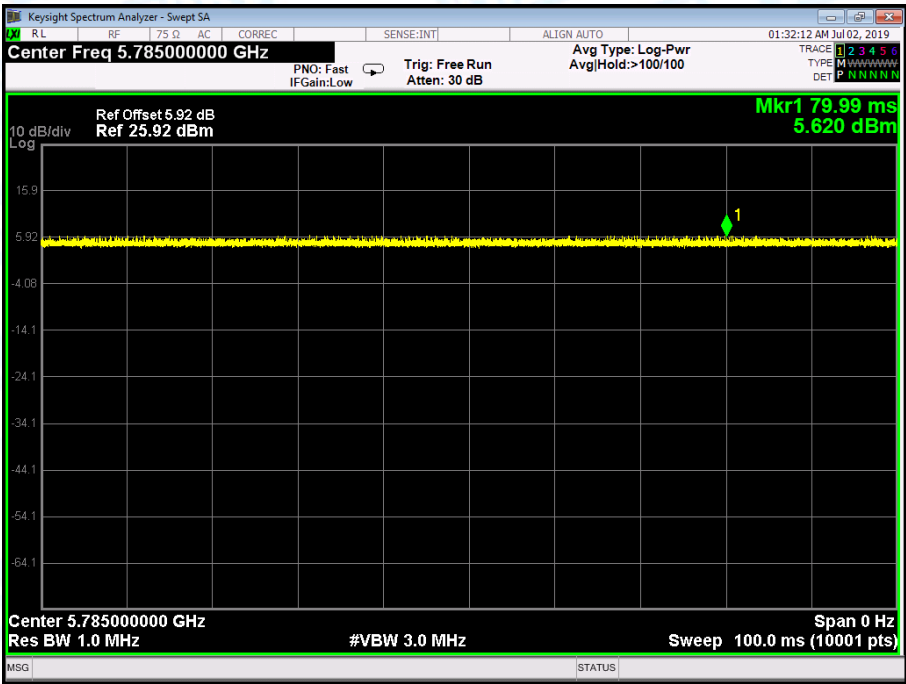
802.11 a 5785MHz U-NII-3



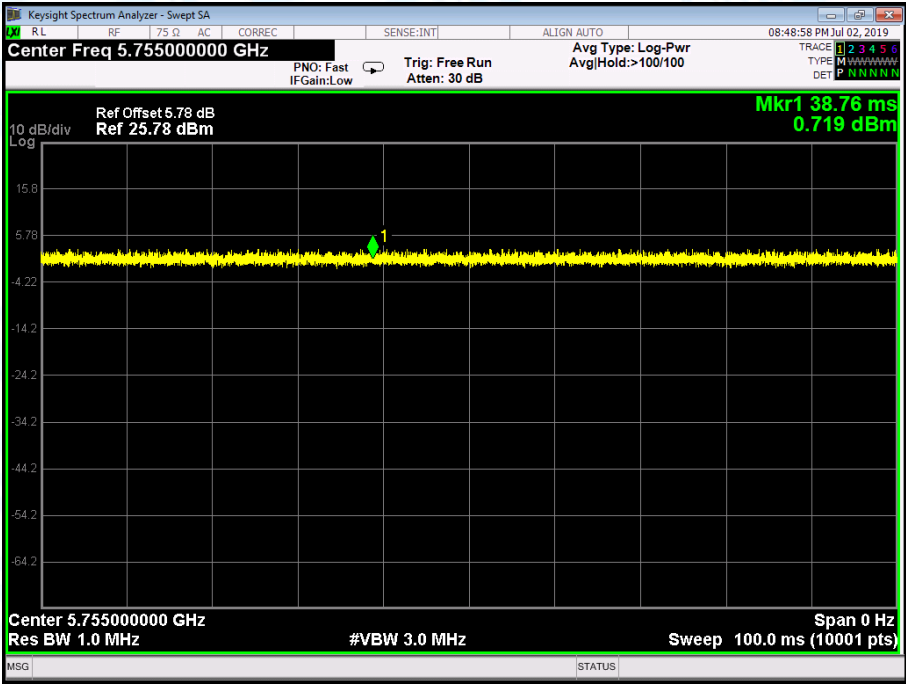
802.11 n(HT20) 5785MHz U-NII-3

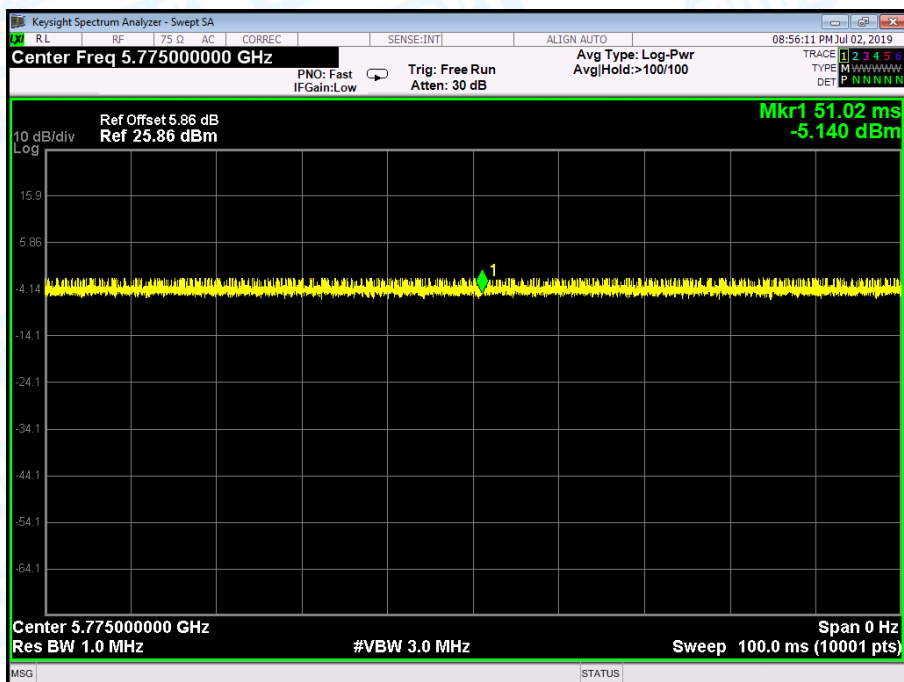
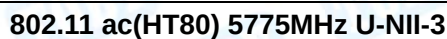
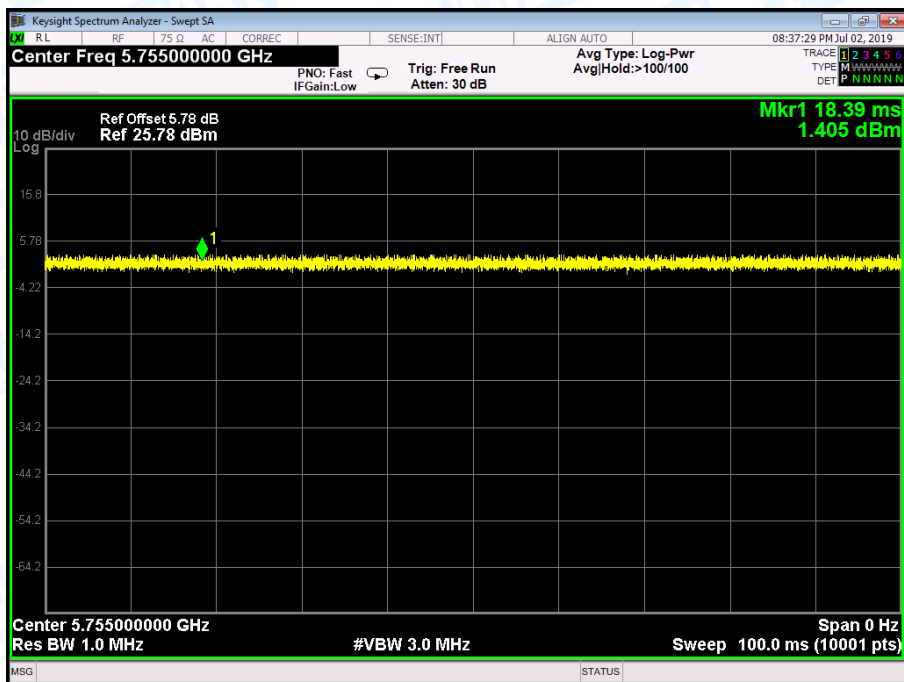
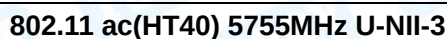


802.11 ac(HT20) 5785MHz U-NII-3



802.11 n(HT40) 5755MHz U-NII-3

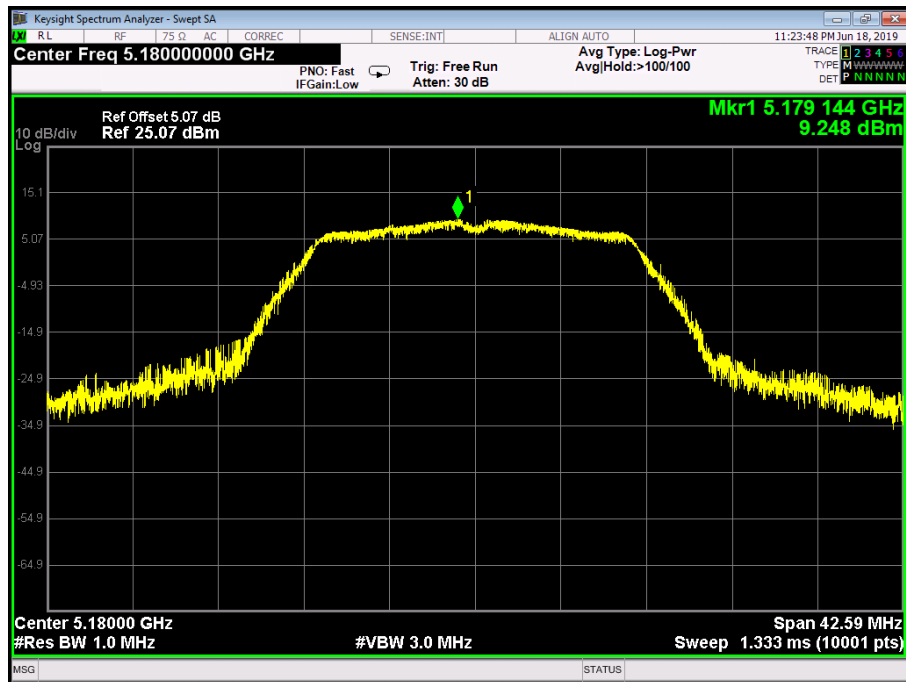




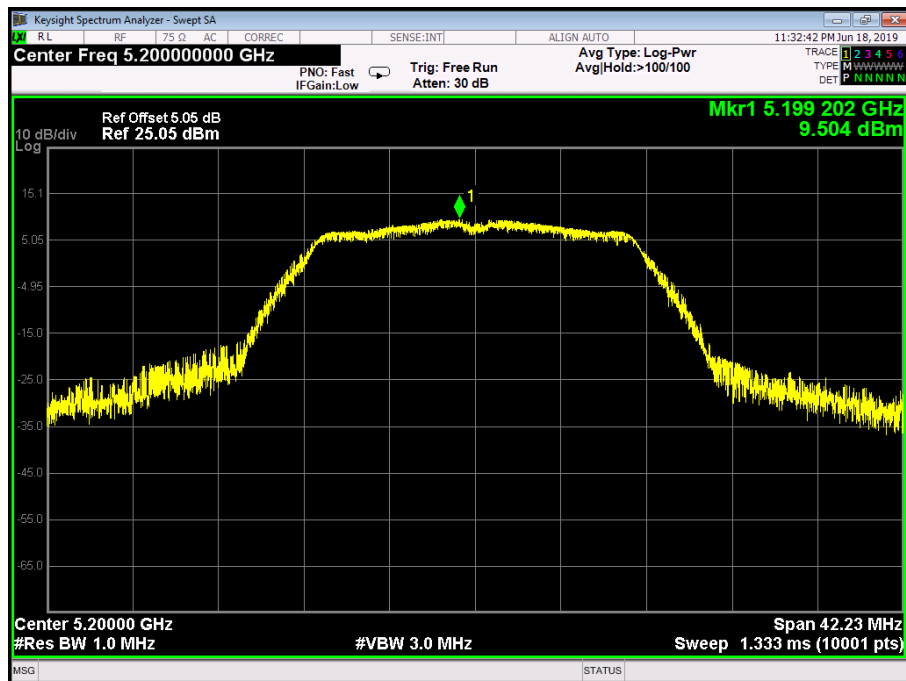
Attachment F-- Power Spectral Density Test Data

Temperature:	25 °C	Relative Humidity:	55%	
Test Voltage:	AC 120V/60Hz			
U-NII-1				
Test Mode	Frequency (MHz)	Test Data	Limit (dBm)	
		Power Density (dBm/MHz)		
802.11a	5180	9.248	11	
	5200	9.504		
	5240	9.053		
802.11n (HT20)	5180	9.250		
	5200	9.306		
	5240	9.836		
802.11ac (HT20)	5180	9.177		
	5200	9.490		
	5240	8.770		
802.11n (HT40)	5190	4.637		
	5230	5.306		
802.11ac(40)	5190	6.363		
	5230	6.281		
802.11ac(80)	5210	1.333		
Result: PASS				
Remark: the Directional Gain=3.0dBi<6 dBi.				
Test plots please refer to below pages:				

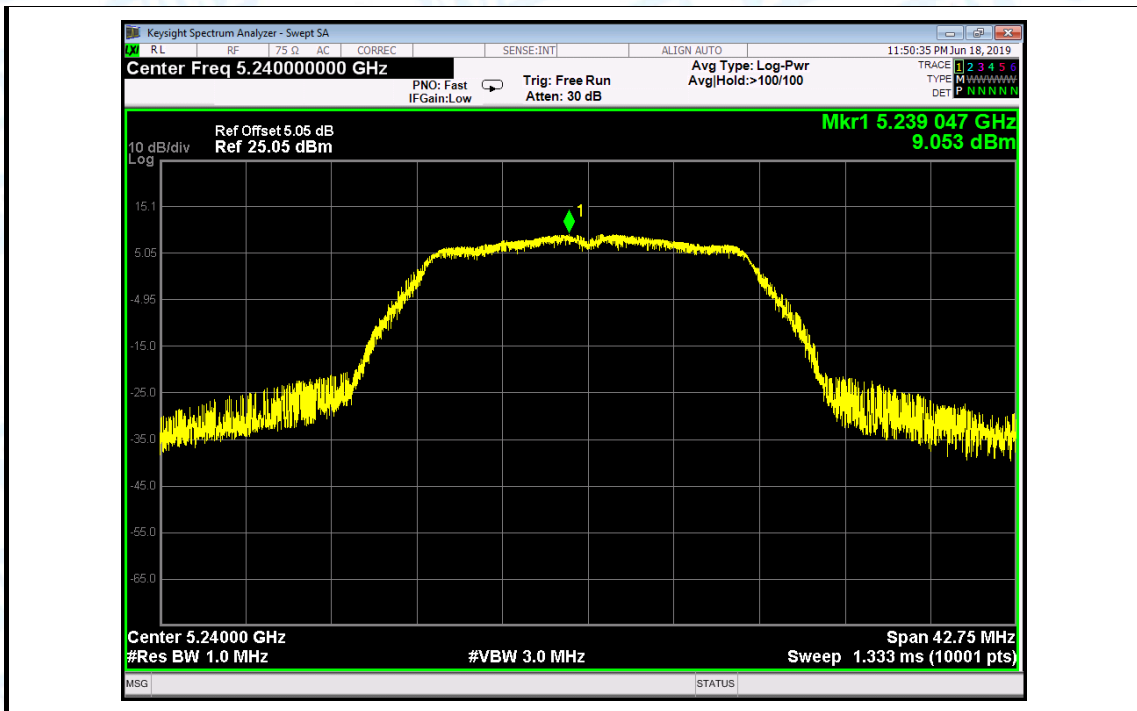
802.11 a 5180 MHz



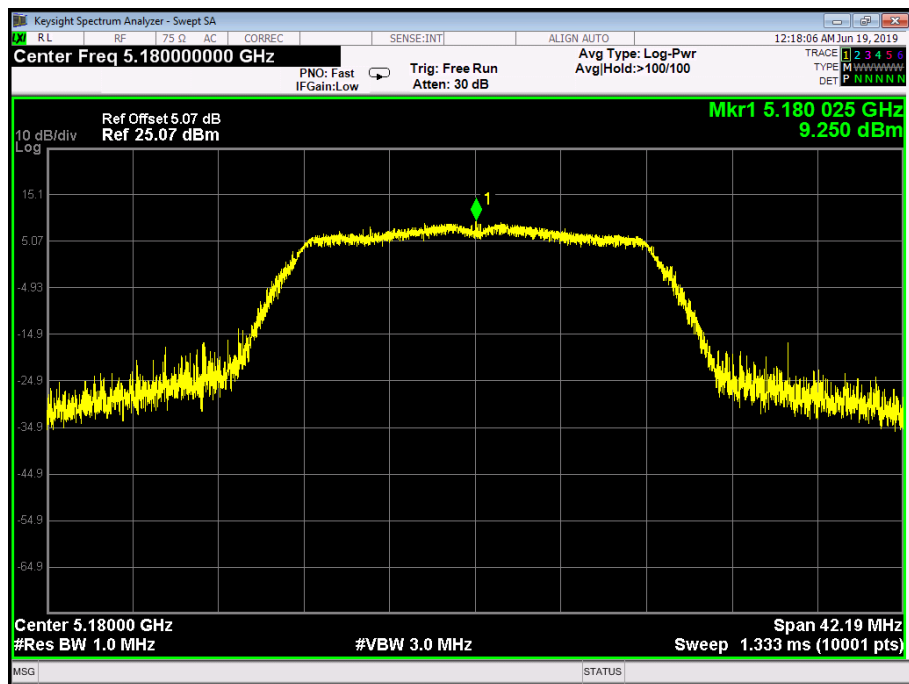
802.11 a 5200 MHz



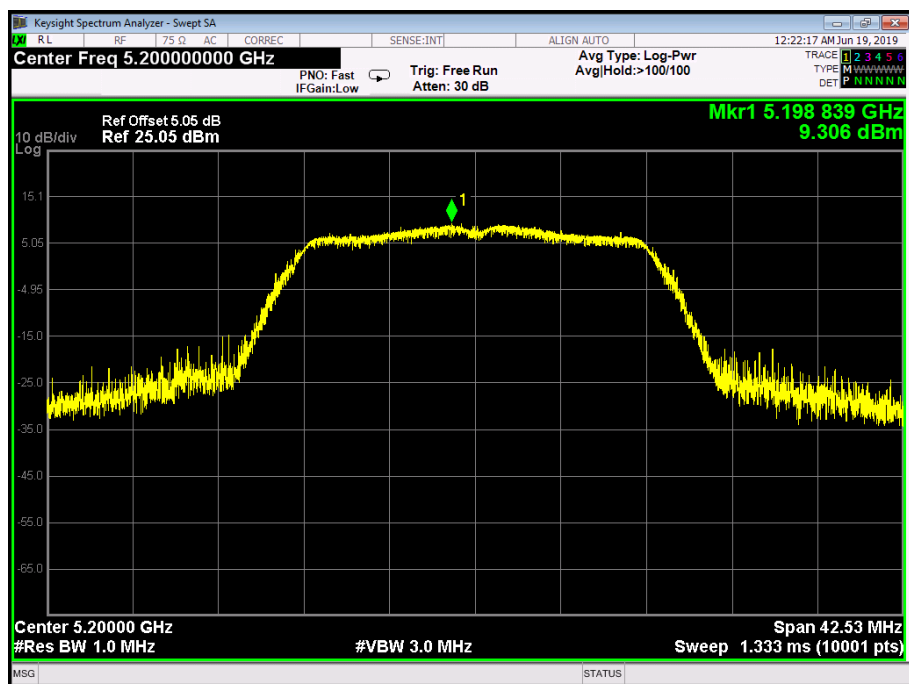
802.11 a 5240 MHz



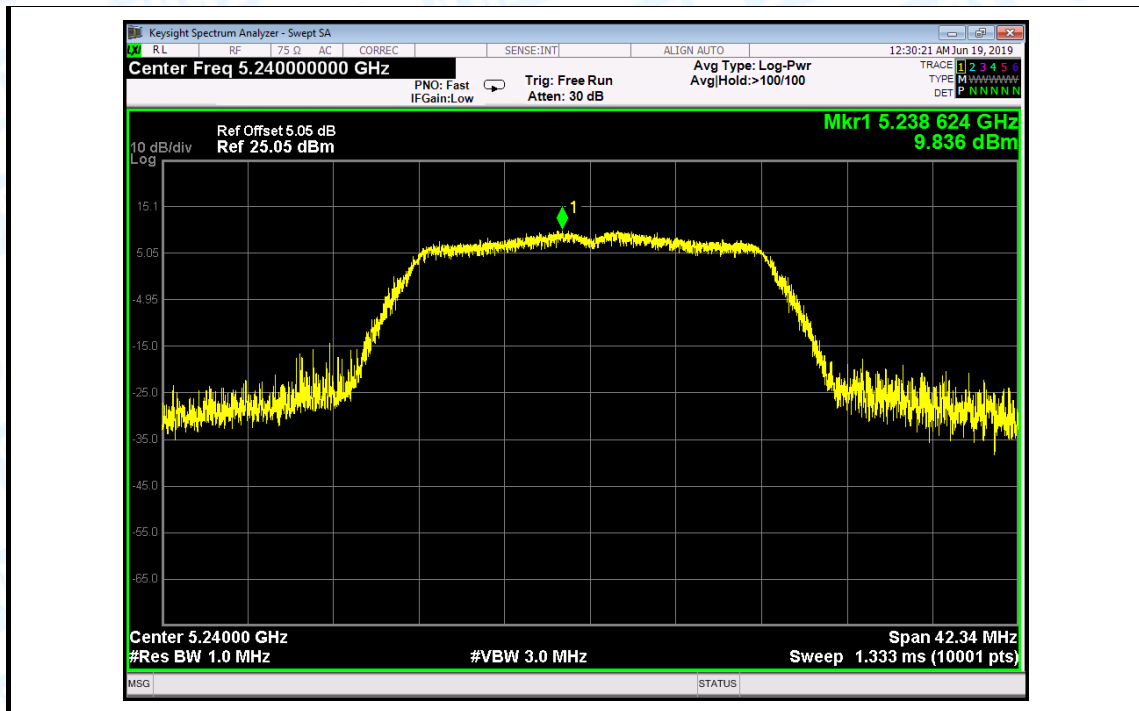
802.11 n(20) 5180 MHz



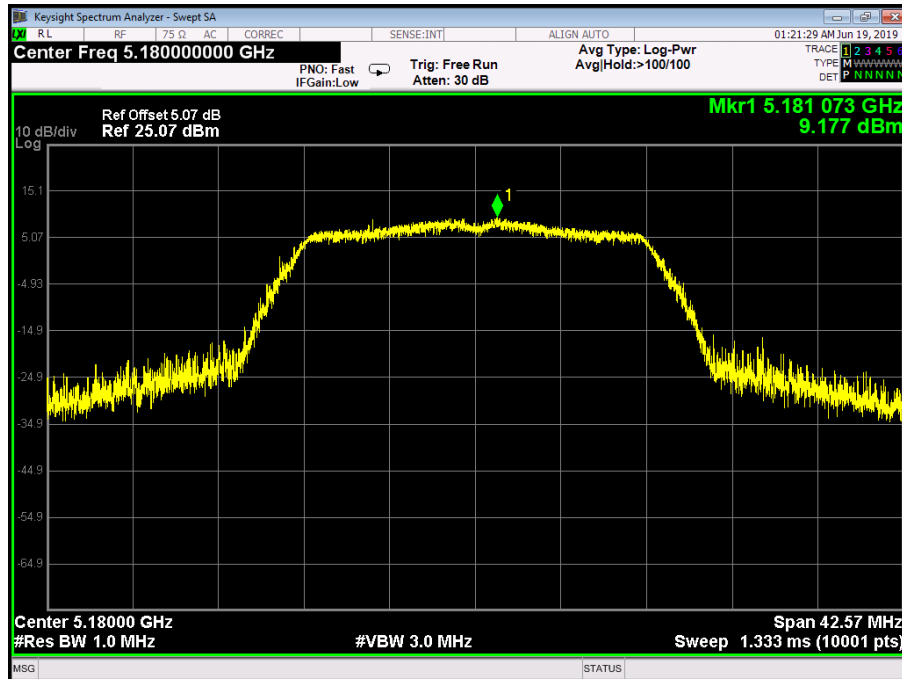
802.11 n(20) 5200 MHz



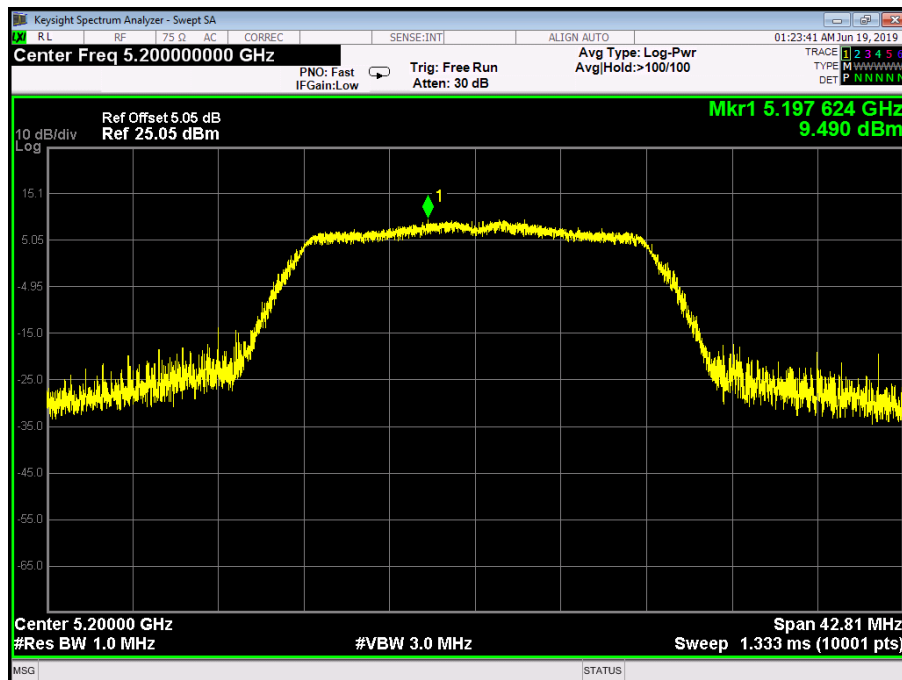
802.11 n(20) 5240 MHz



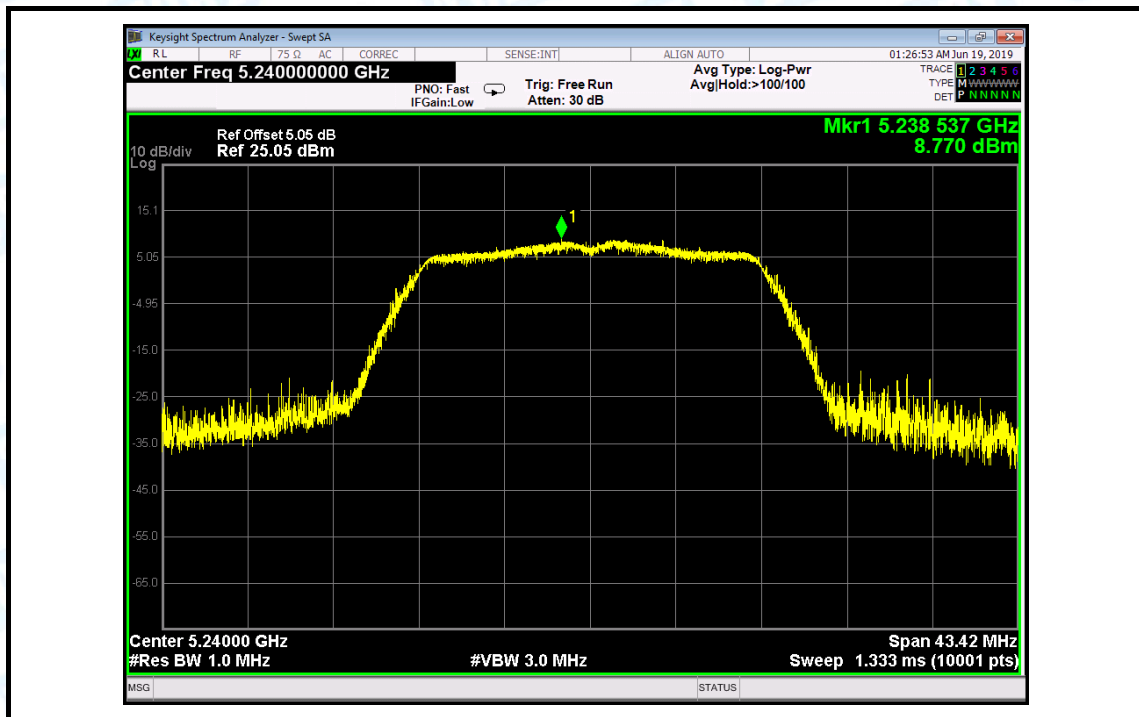
802.11 ac(20) 5180 MHz



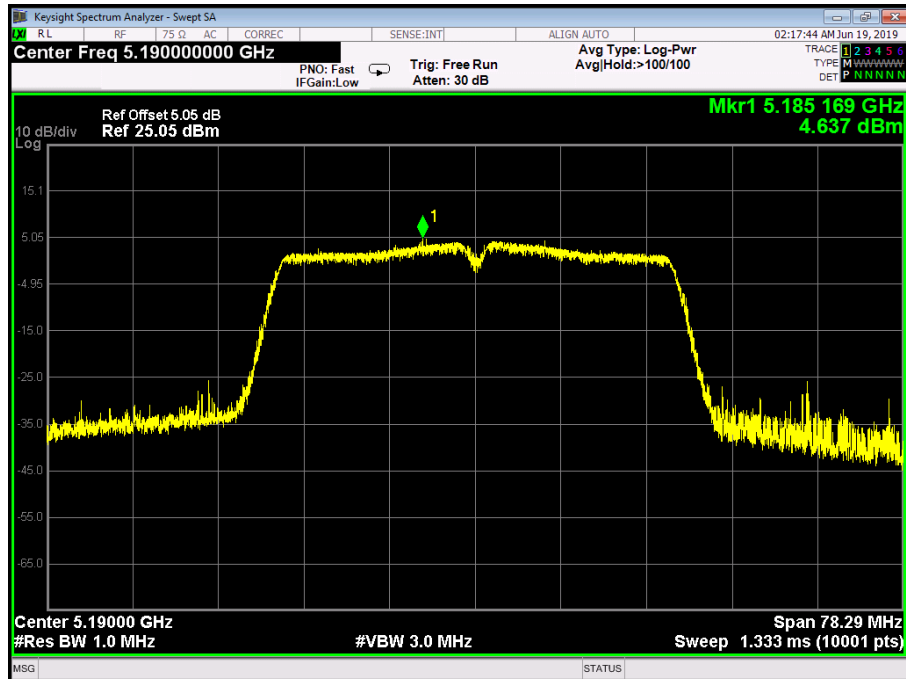
802.11 ac(20) 5200 MHz



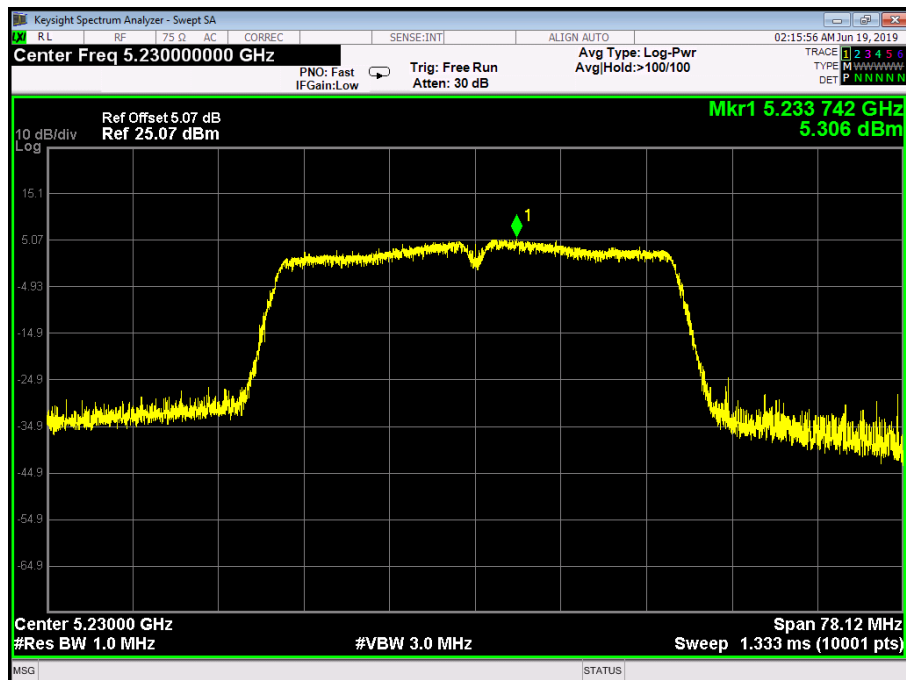
802.11 ac(20) 5240 MHz



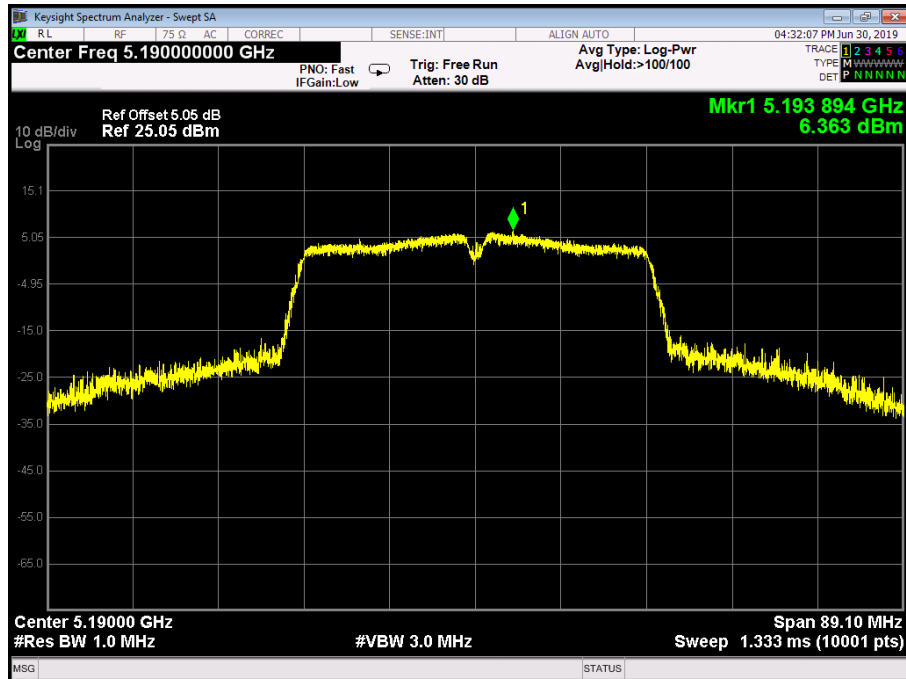
802.11 n(40) 5190 MHz



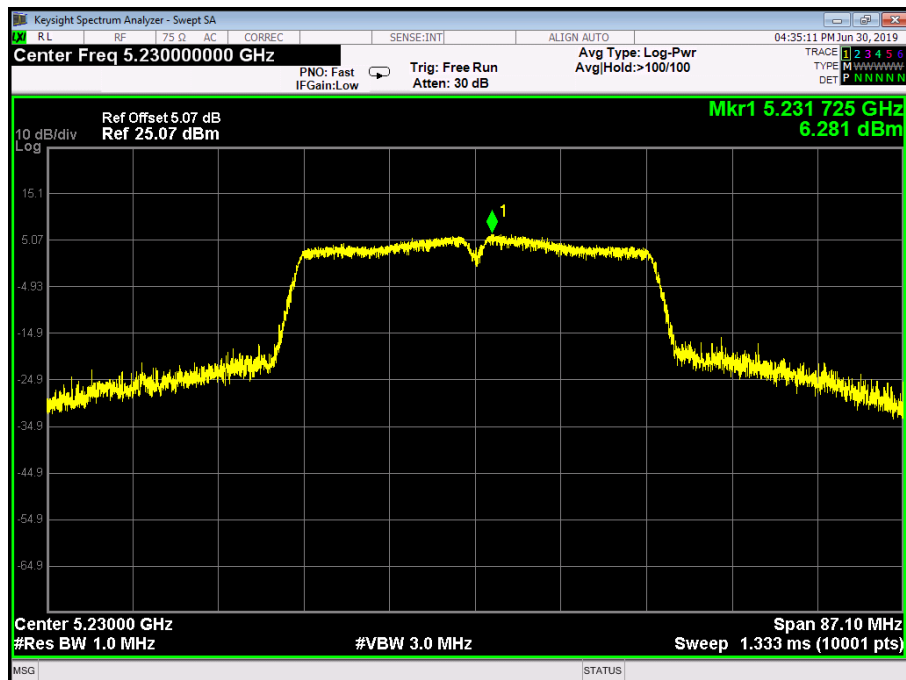
802.11 n(40) 5230 MHz



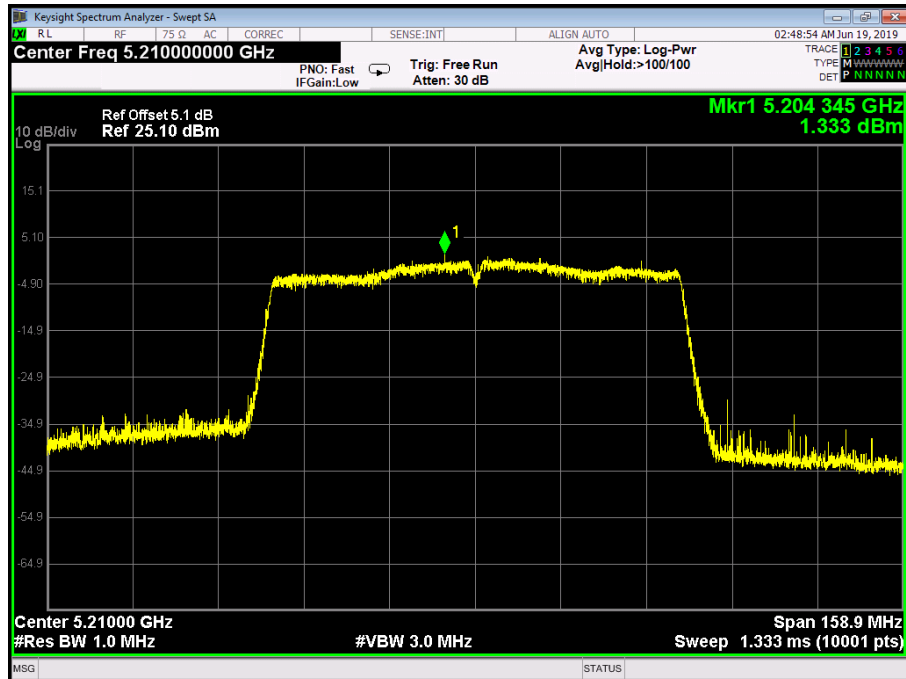
802.11 ac(40) 5190 MHz



802.11 ac(40) 5230 MHz

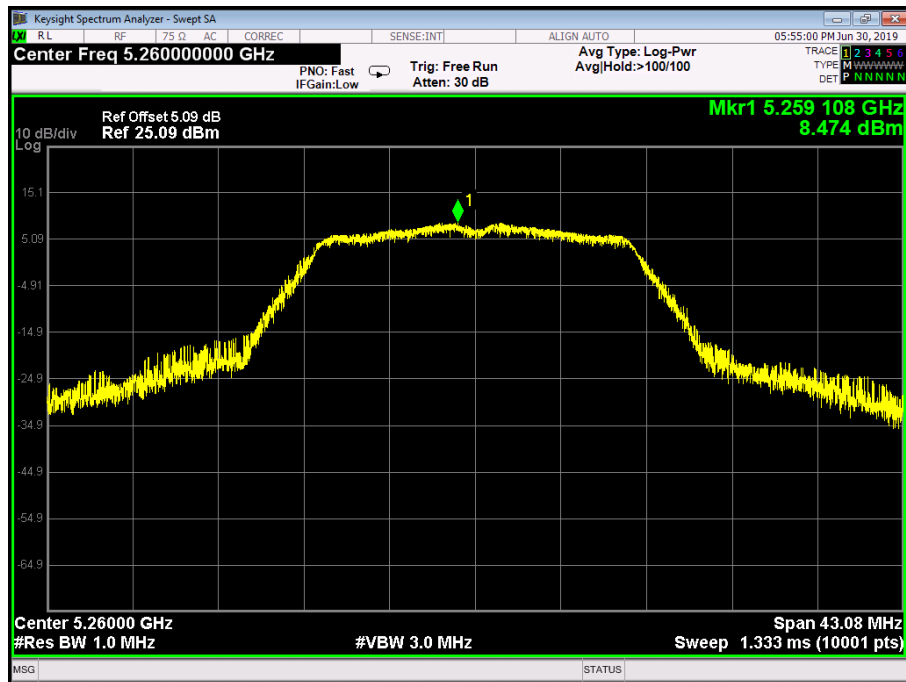


802.11 ac(80) 5290 MHz

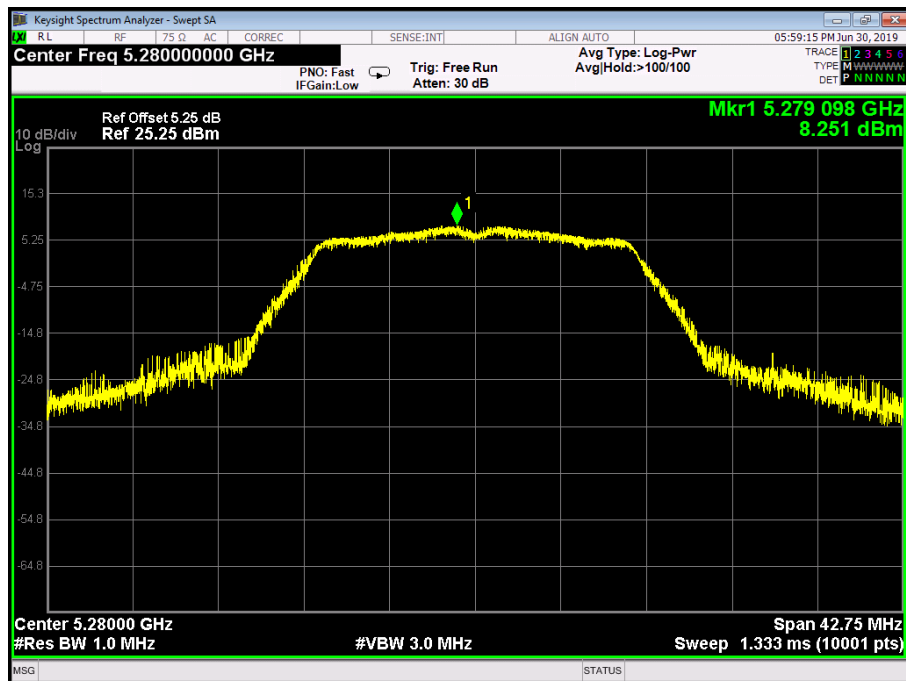


Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
U-NII-2A			
Test Mode	Frequency (MHz)	Test Data	Limit (dBm)
		Power Density (dBm/MHz)	
802.11a	5260	8.474	11
	5280	8.251	
	5320	6.682	
802.11n (HT20)	5260	8.040	
	5280	8.354	
	5320	7.937	
802.11ac (HT20)	5260	8.398	
	5280	7.739	
	5320	8.105	
802.11n (HT40)	5270	4.931	
	5310	5.403	
802.11ac(40)	5270	5.754	
	5310	5.153	
802.11ac(80)	5290	2.232	
Result: PASS			
Remark: the Directional Gain=3.0dBi<6 dBi.			
Test plots please refer to below pages:			

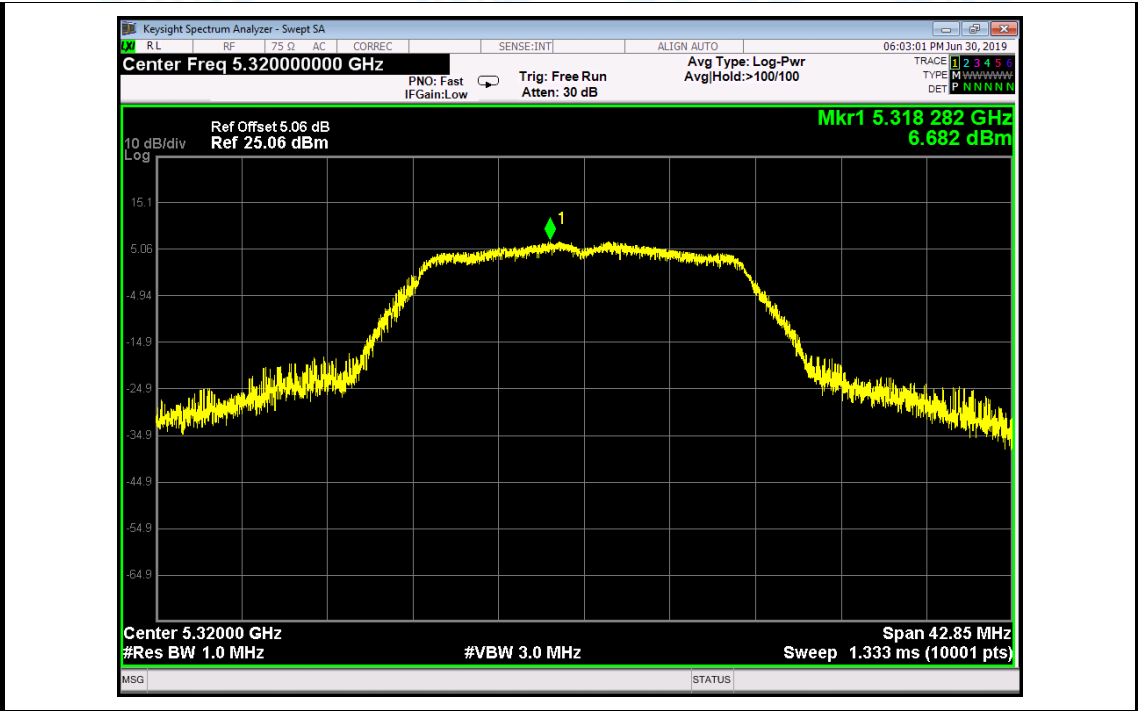
802.11 a 5260 MHz



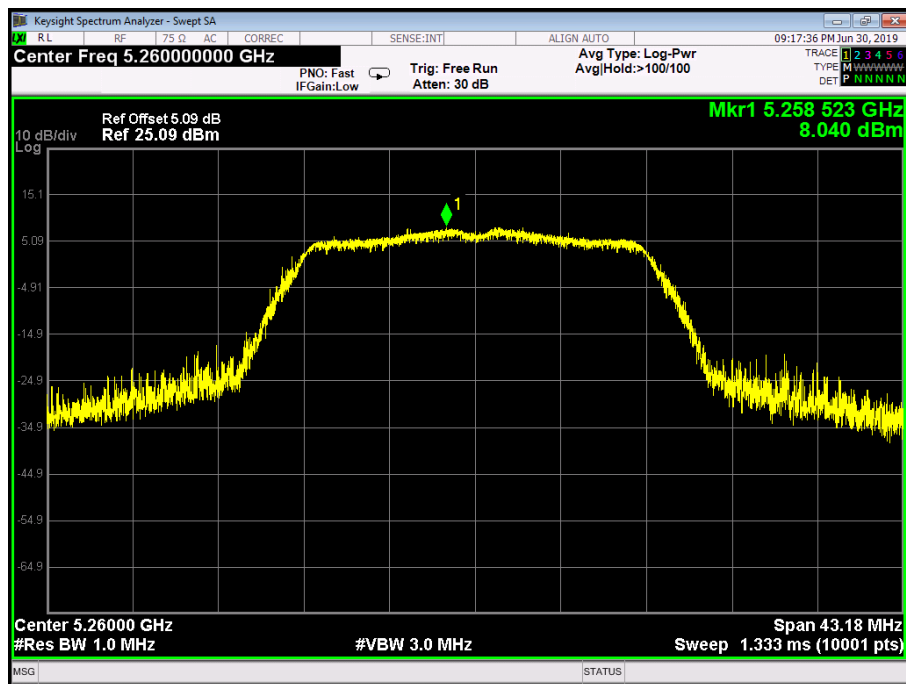
802.11 a 5280 MHz



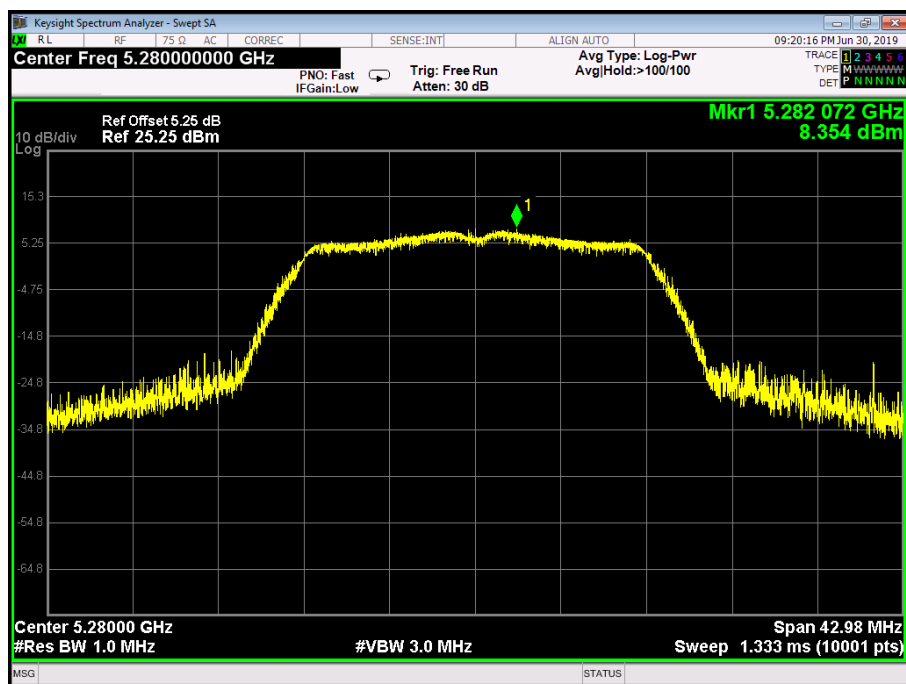
802.11 a 5320 MHz



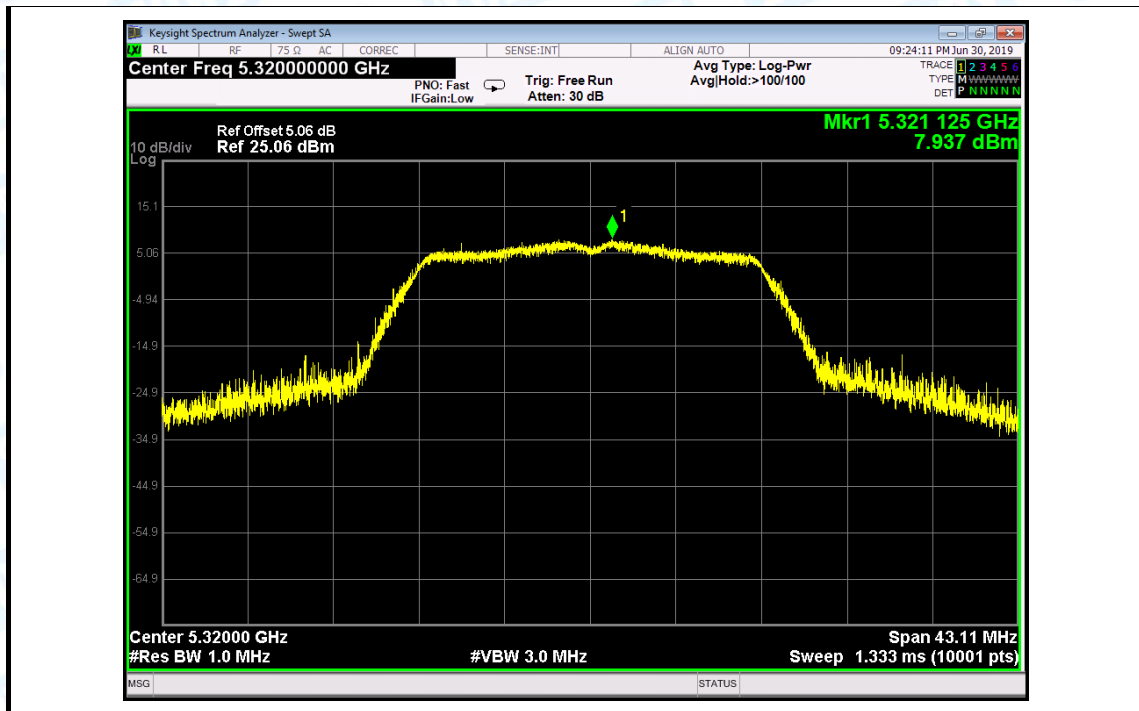
802.11 n(20) 5260 MHz



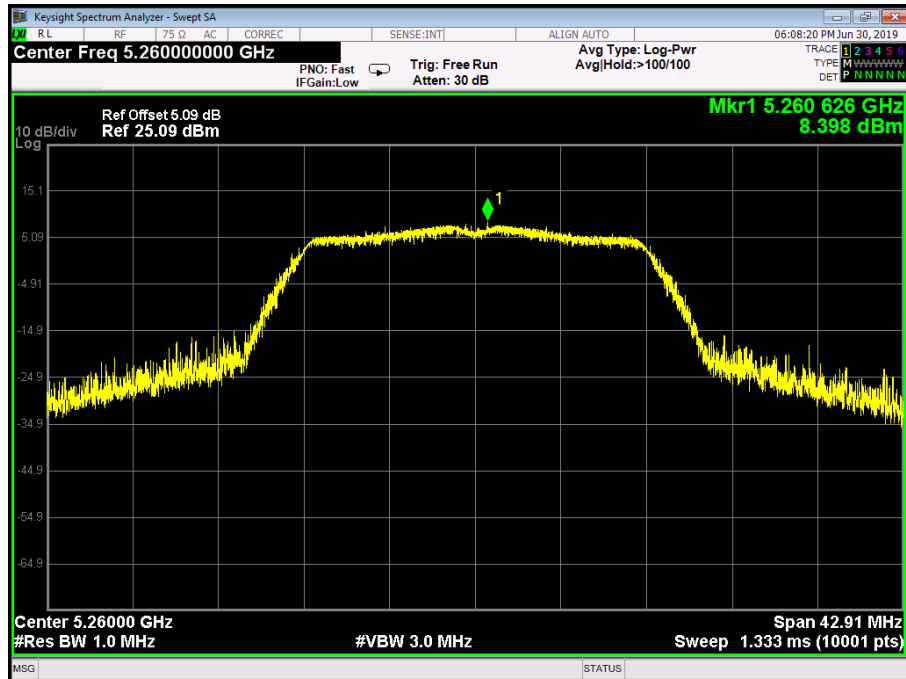
802.11 n(20) 5280 MHz



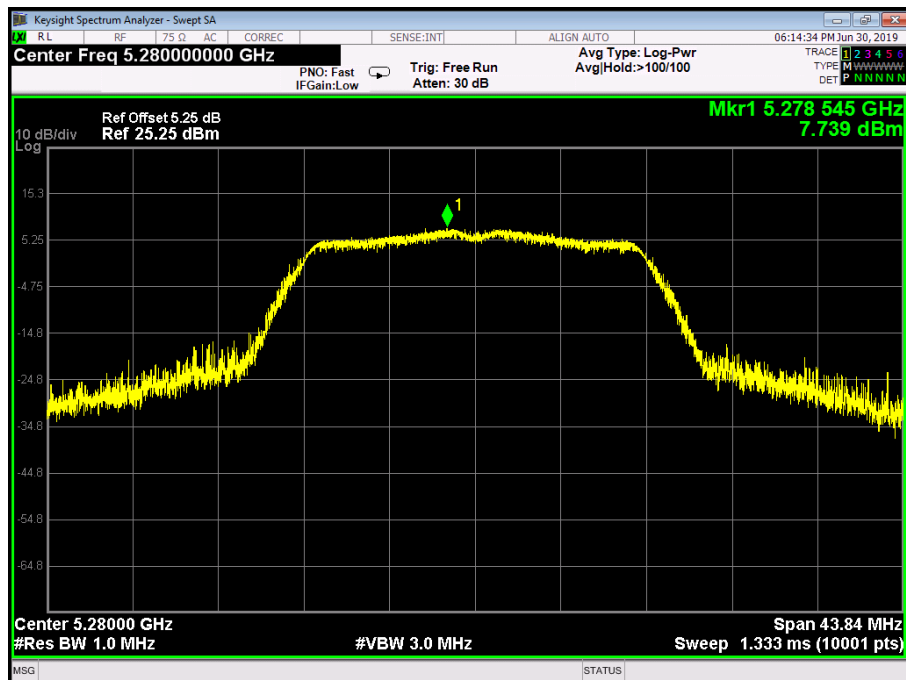
802.11 n(20) 5320 MHz



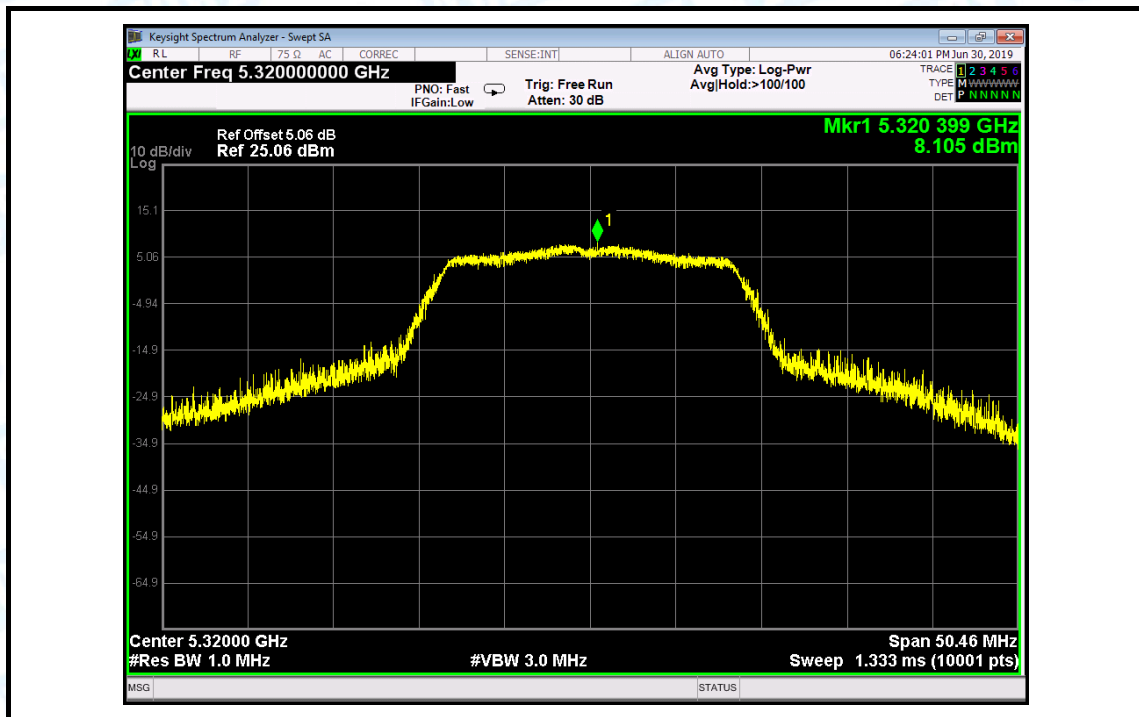
802.11 ac(20) 5260 MHz



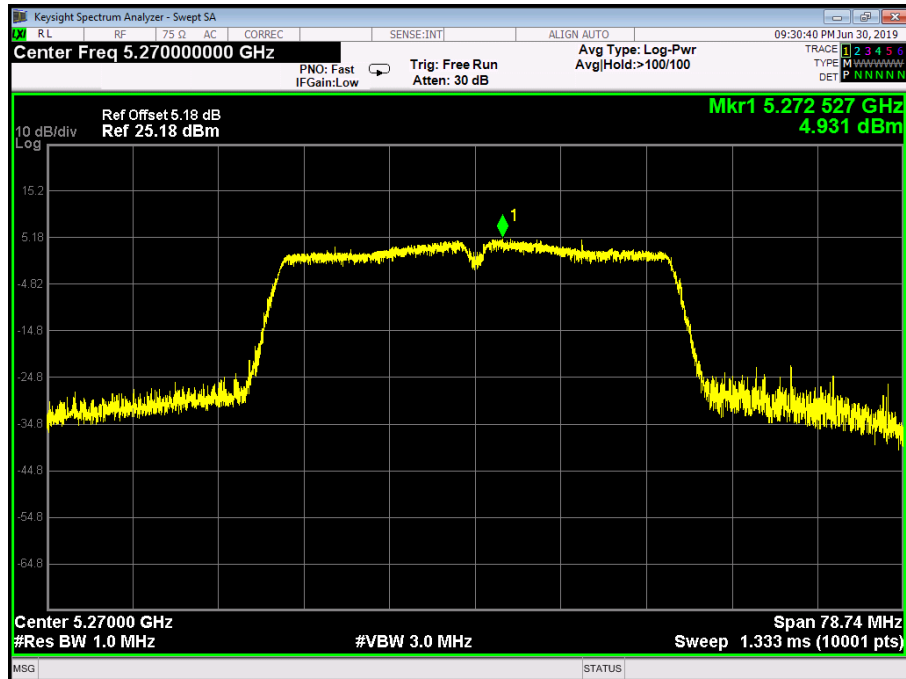
802.11 ac(20) 5280 MHz



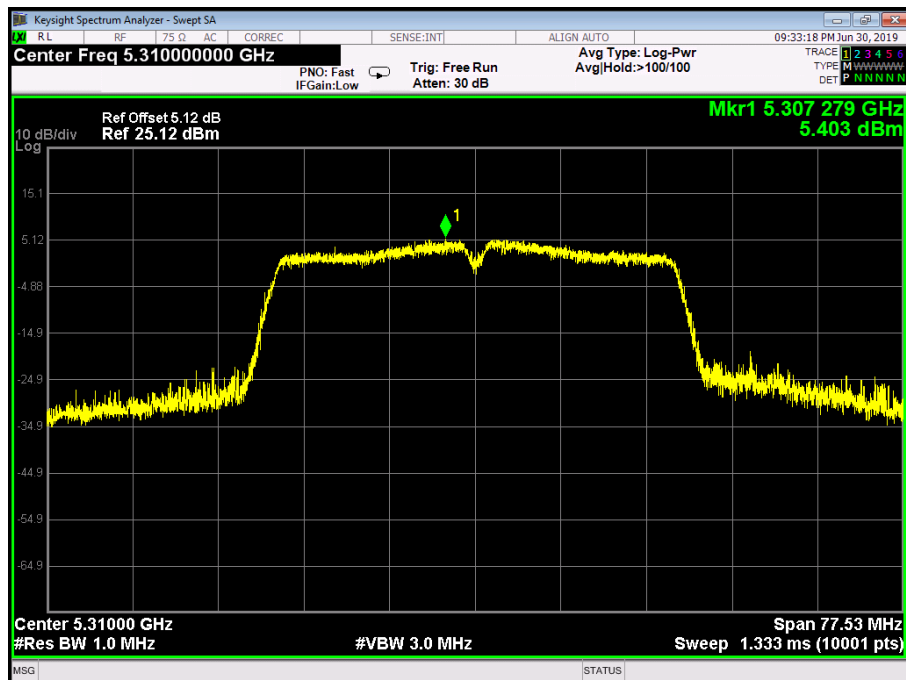
802.11 ac(20) 5320 MHz



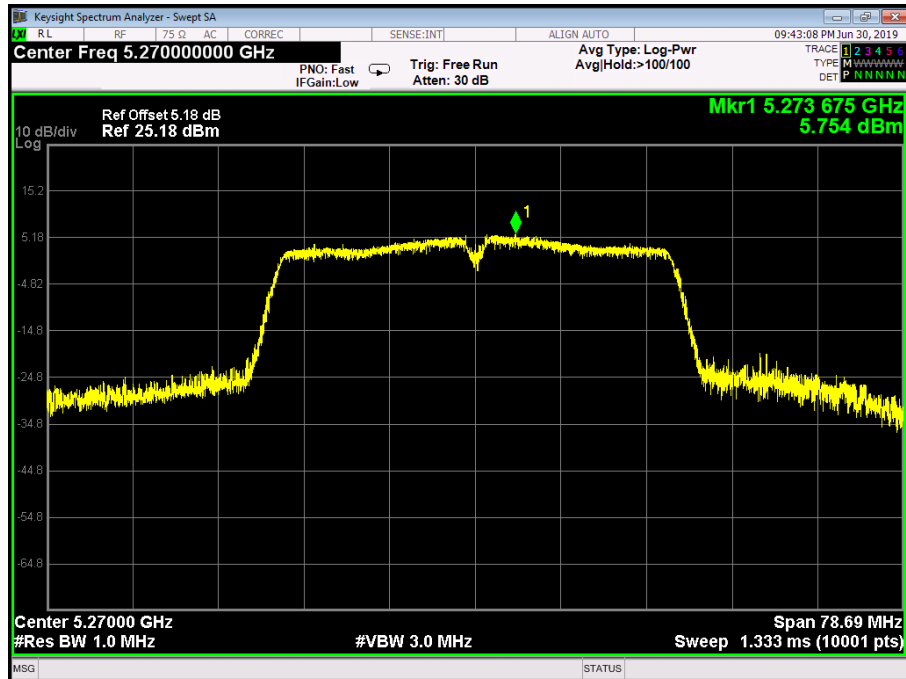
802.11 n(40) 5270 MHz



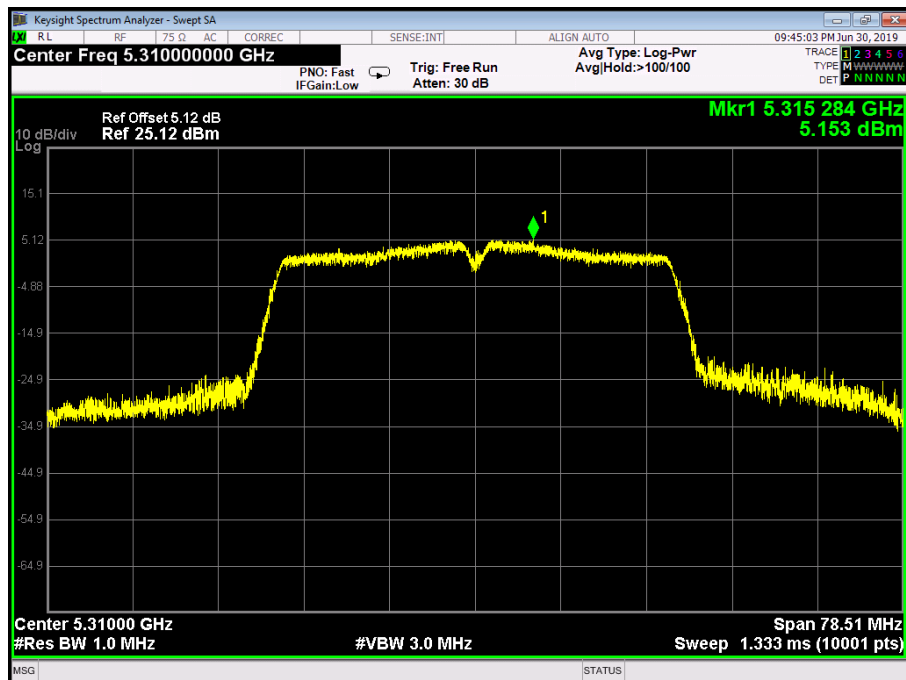
802.11 n(40) 5310 MHz



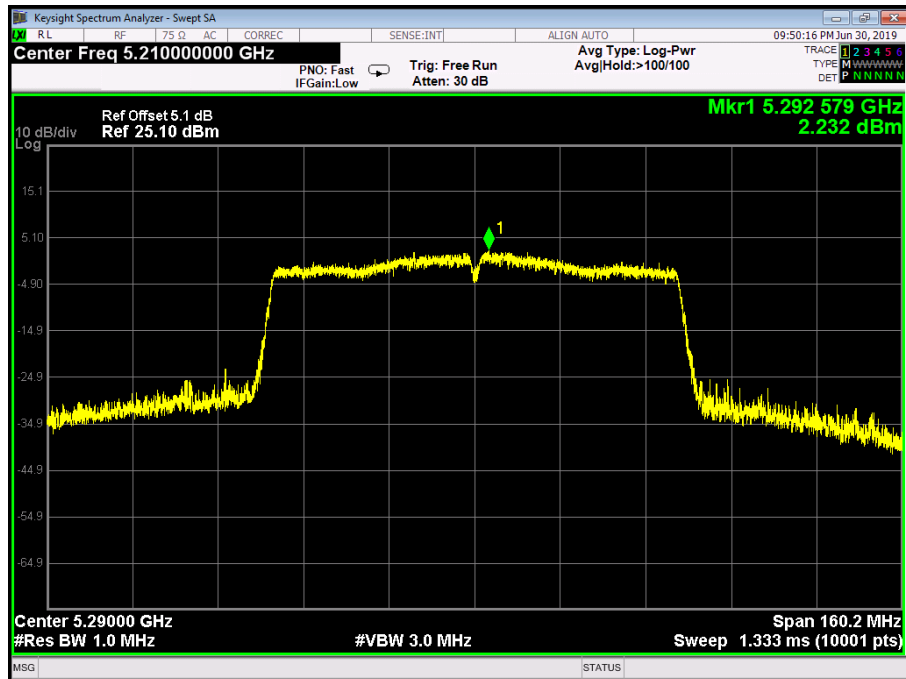
802.11 ac(40) 5270 MHz



802.11 ac(40) 5310 MHz

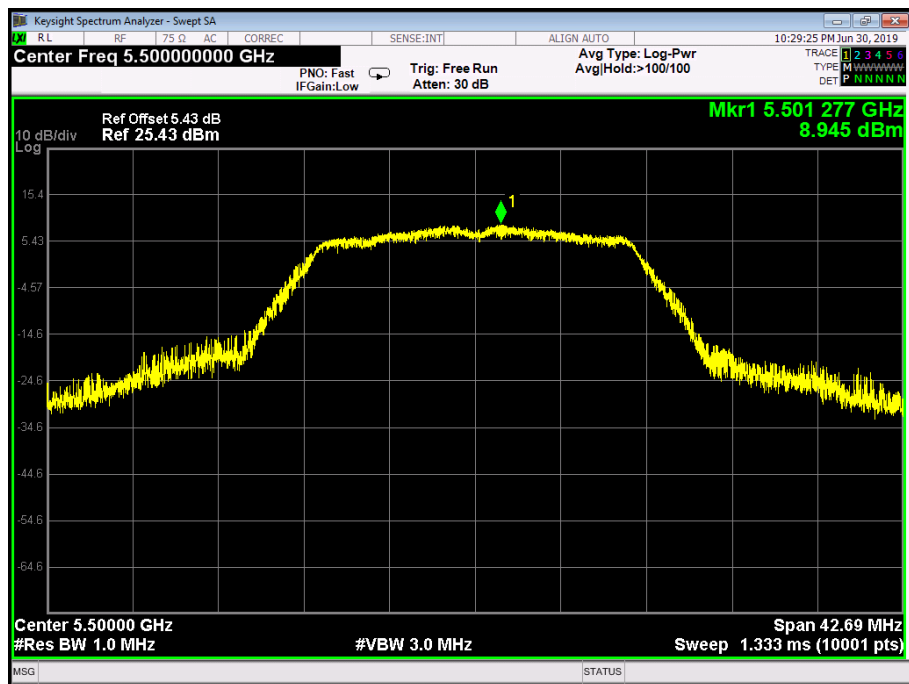


802.11 ac(80) 5210 MHz

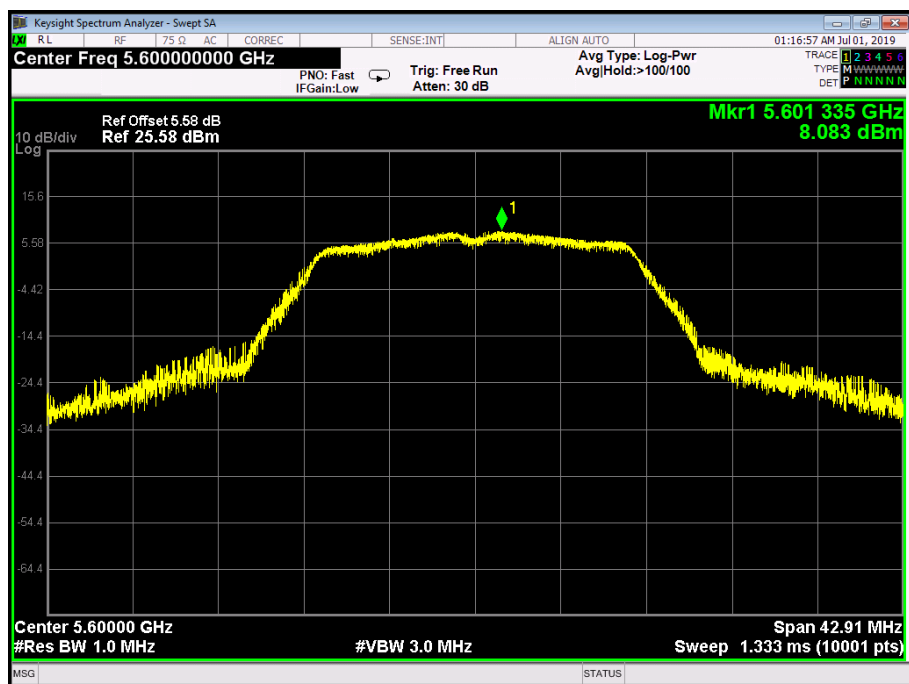


Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
U-NII-2C			
Test Mode	Frequency (MHz)	Test Data	Limit (dBm)
		Power Density (dBm/MHz)	
802.11a	5500	8.945	11
	5600	8.083	
	5700	7.827	
802.11n (HT20)	5500	8.707	
	5600	9.198	
	5700	7.064	
802.11ac (HT20)	5500	7.527	
	5600	9.133	
	5700	7.614	
802.11n (HT40)	5510	3.527	
	5670	4.079	
802.11ac(40)	5510	3.604	
	5670	4.030	
802.11ac(80)	5530	-0.170	
	5610	-0.117	
	5690	0.318	
Result: PASS			
Remark: the Directional Gain=3.0dBi<6 dBi.			
Test plots please refer to below pages:			

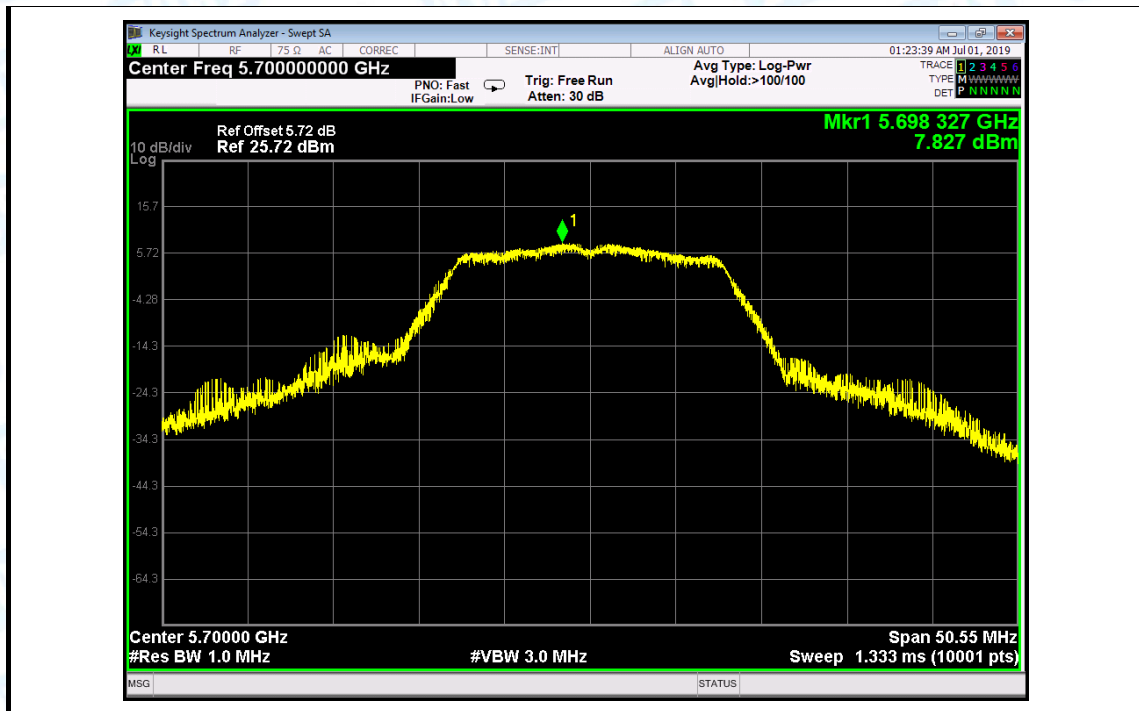
802.11 a 5500 MHz



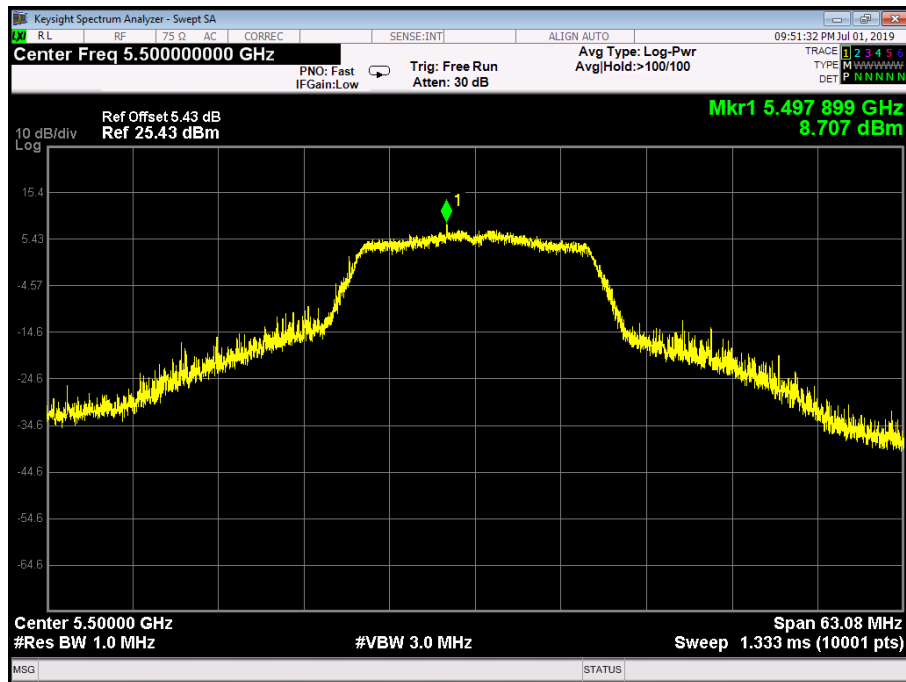
802.11 a 5600 MHz



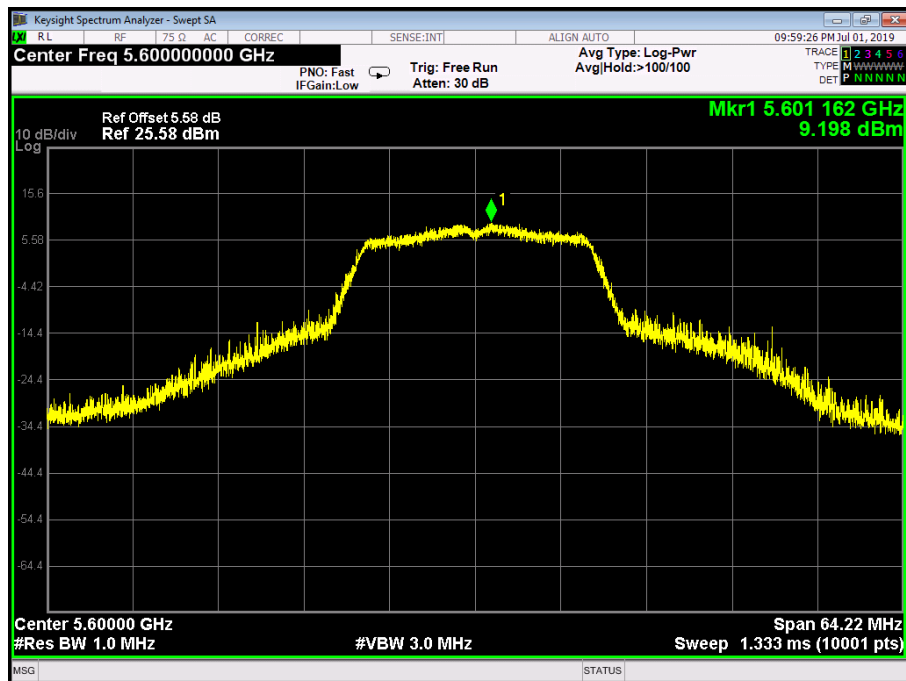
802.11 a 5700 MHz



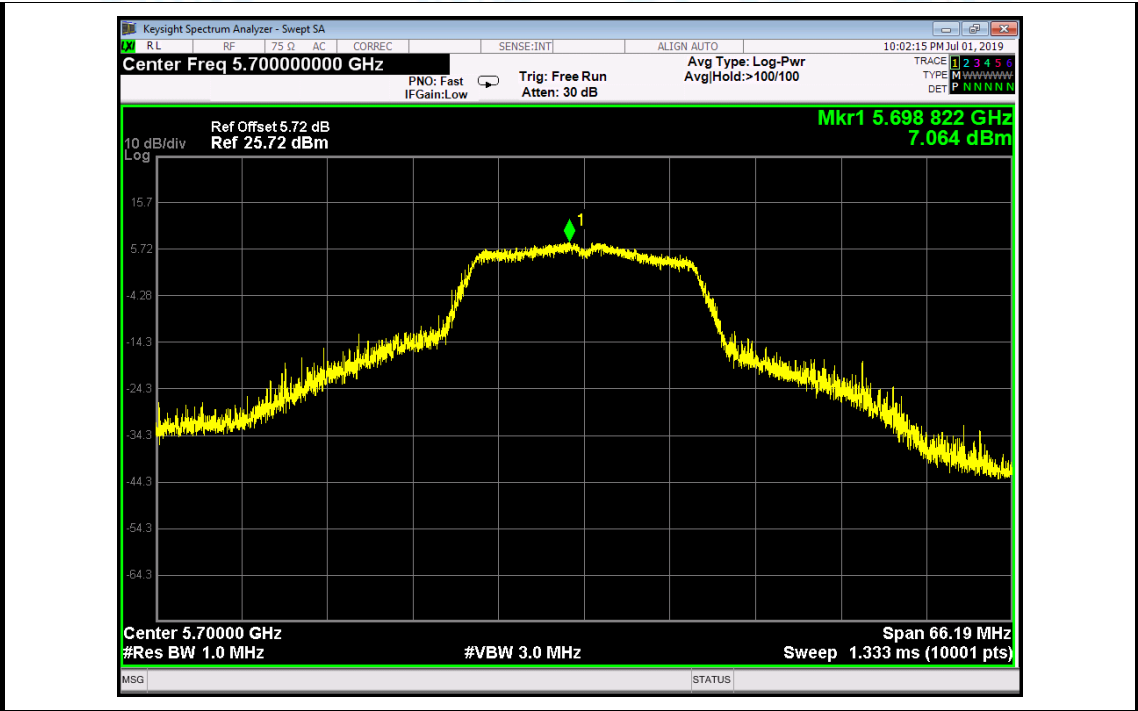
802.11 n(20) 5500 MHz



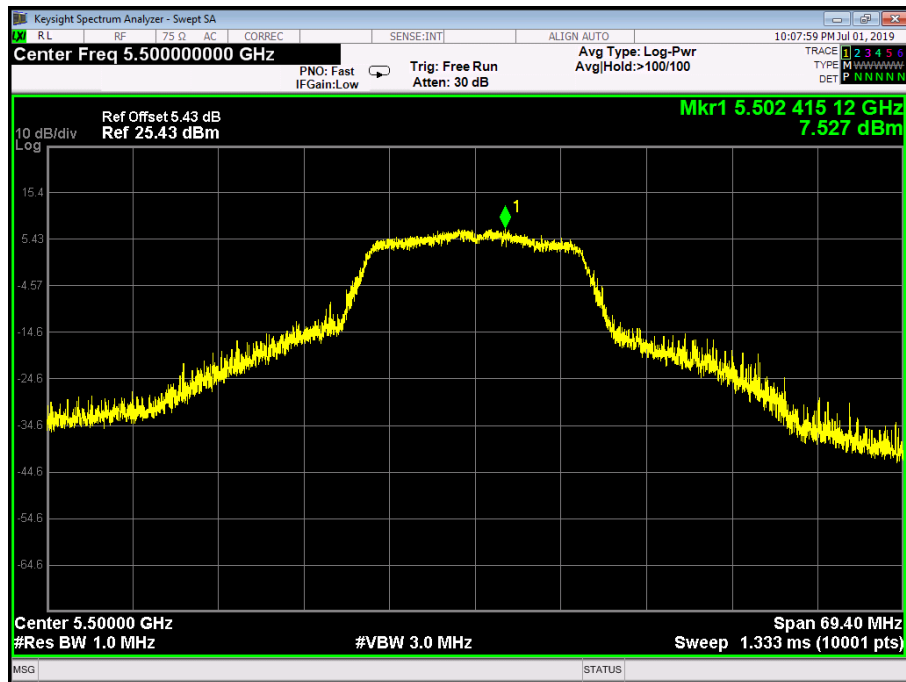
802.11 n(20) 5600 MHz



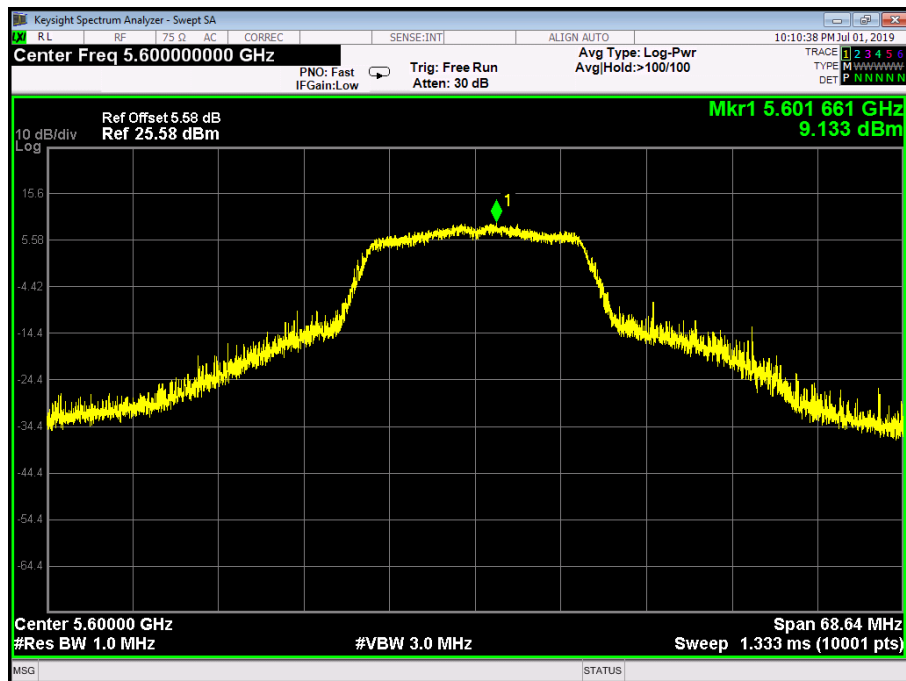
802.11 n(20) 5700 MHz



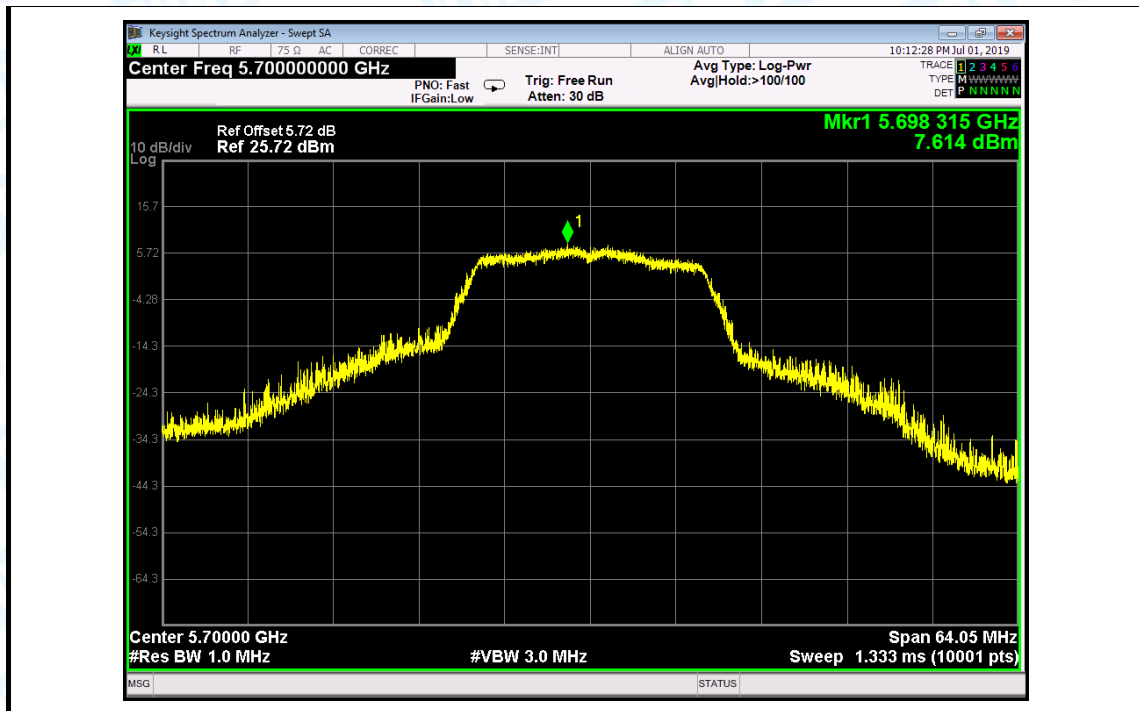
802.11 ac(20) 5500 MHz



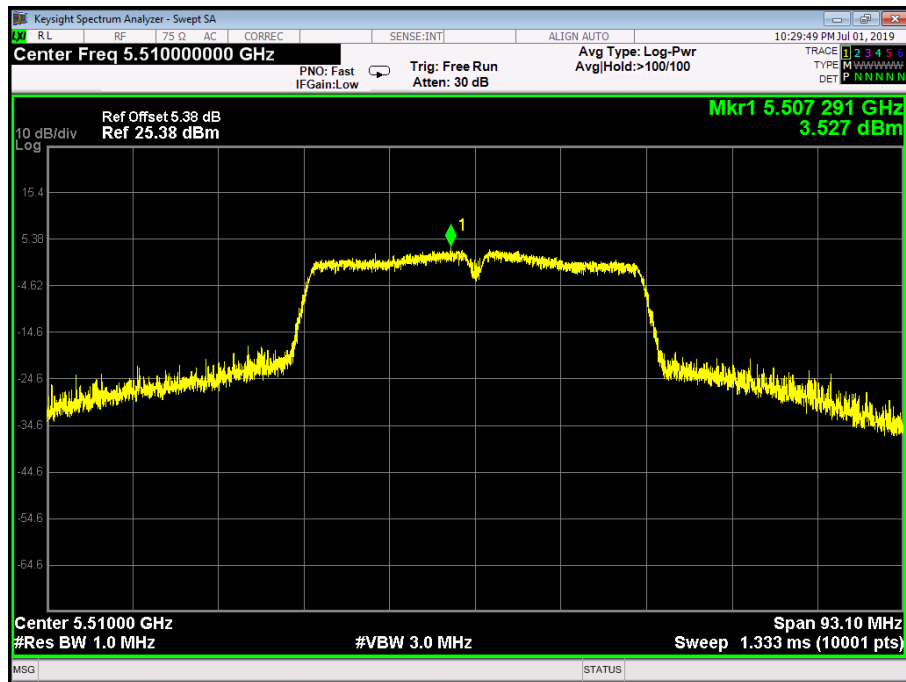
802.11 ac(20) 5600 MHz



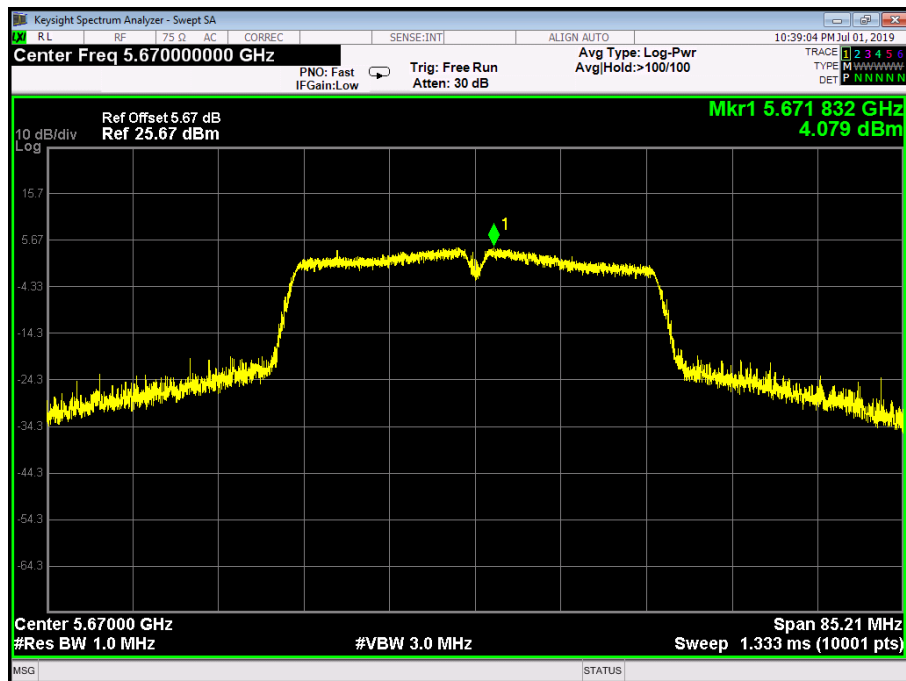
802.11 ac(20) 5700 MHz



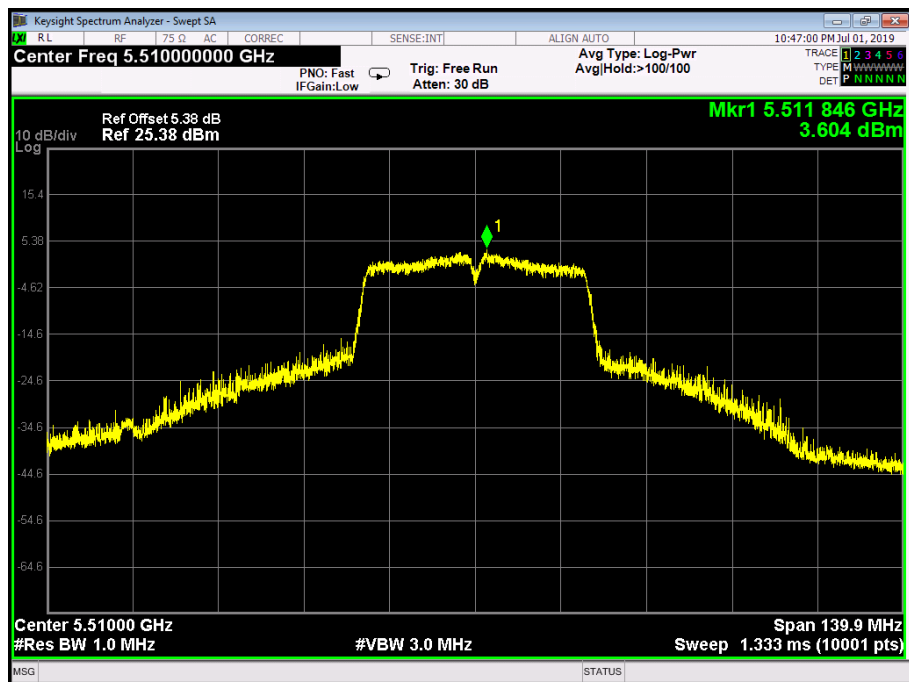
802.11 n(40) 5510 MHz



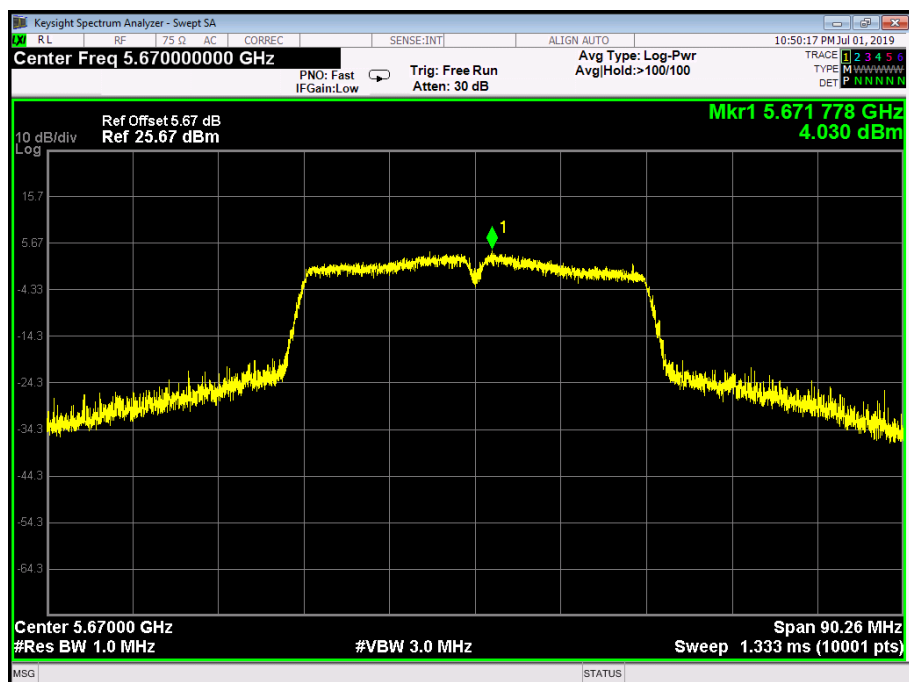
802.11 n(40) 5670 MHz



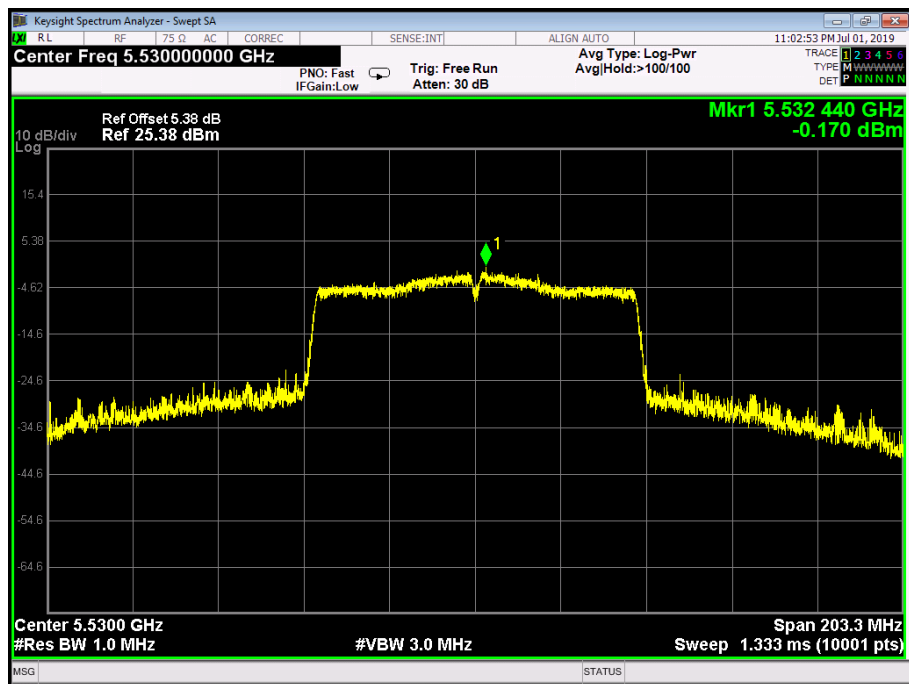
802.11 ac(40) 5510 MHz



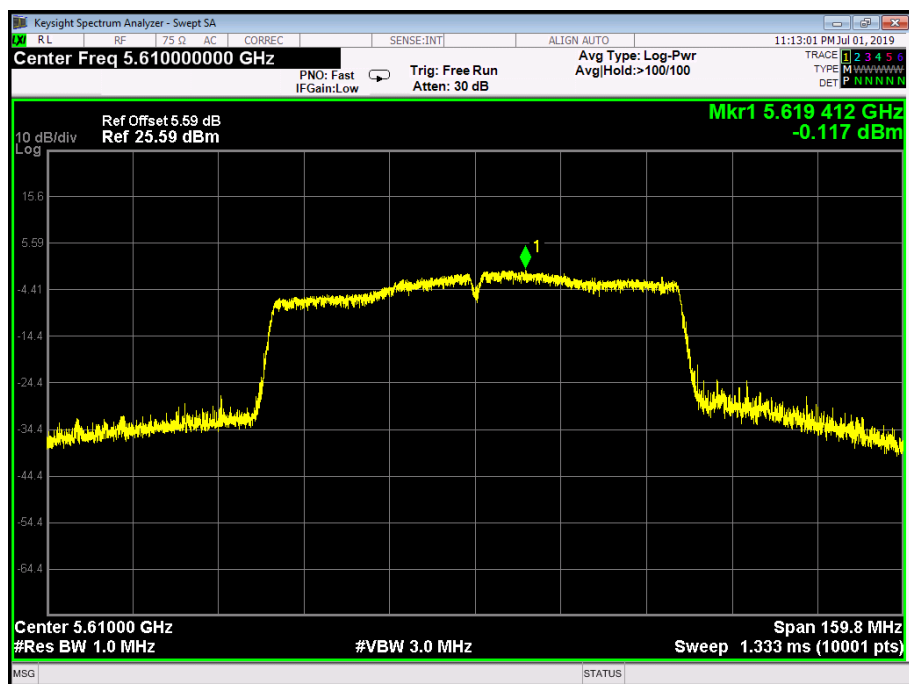
802.11 ac(40) 5670 MHz



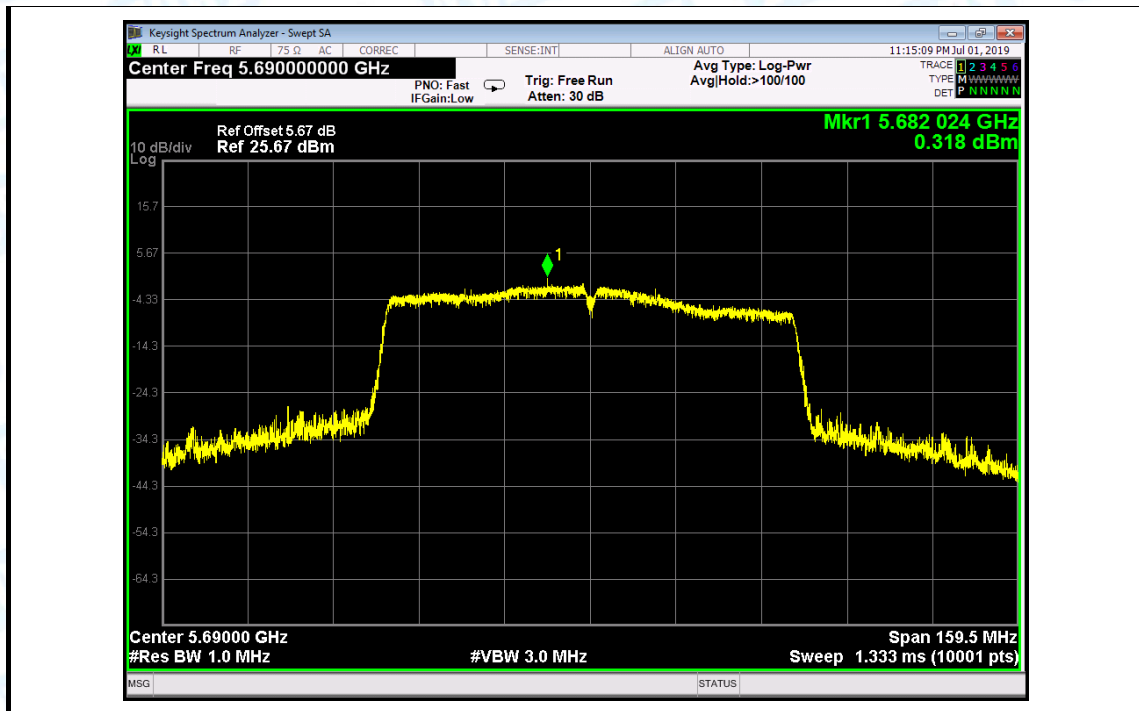
802.11 ac(80) 5530 MHz



802.11 ac(80) 5610 MHz

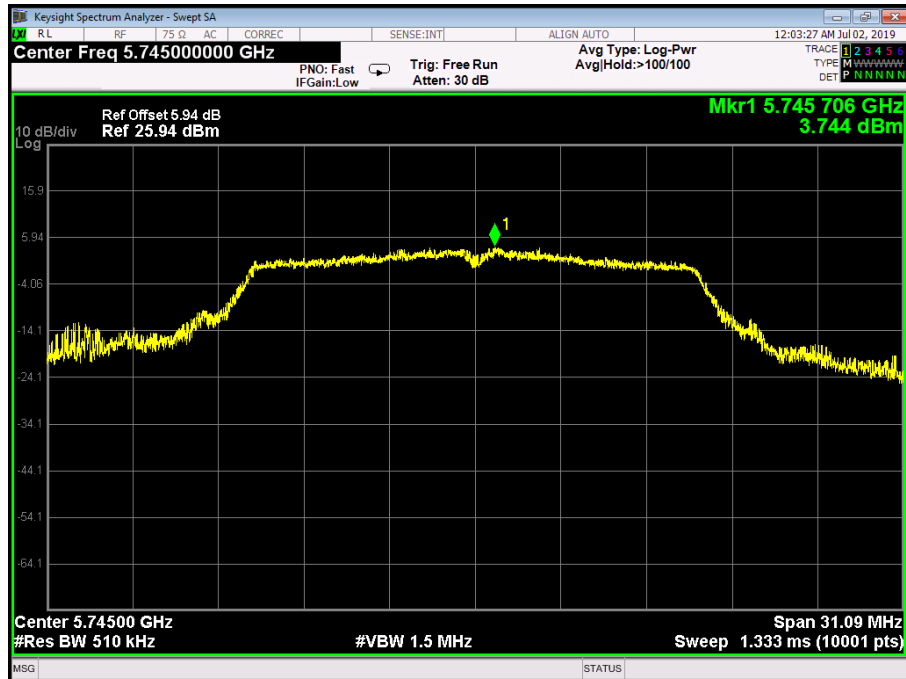


802.11 ac(80) 5690 MHz



Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
U-NII-3			
Test Mode	Frequency (MHz)	Test Data	Limit (dBm)
		Power Density (dBm/MHz)	
802.11a	5745	3.744	30
	5785	2.212	
	5825	3.046	
802.11n (HT20)	5745	4.528	
	5785	4.302	
	5825	5.812	
802.11ac (HT20)	5745	3.457	
	5785	2.296	
	5825	3.084	
802.11n (HT40)	5755	0.913	
	5795	0.434	
802.11ac(40)	5755	0.611	
	5795	0.529	
802.11ac(80)	5775	-4.066	
Result: PASS			
Remark: the Directional Gain=3.0dBi<6 dBi.			
Test plots please refer to below pages:			

802.11 a 5745 MHz



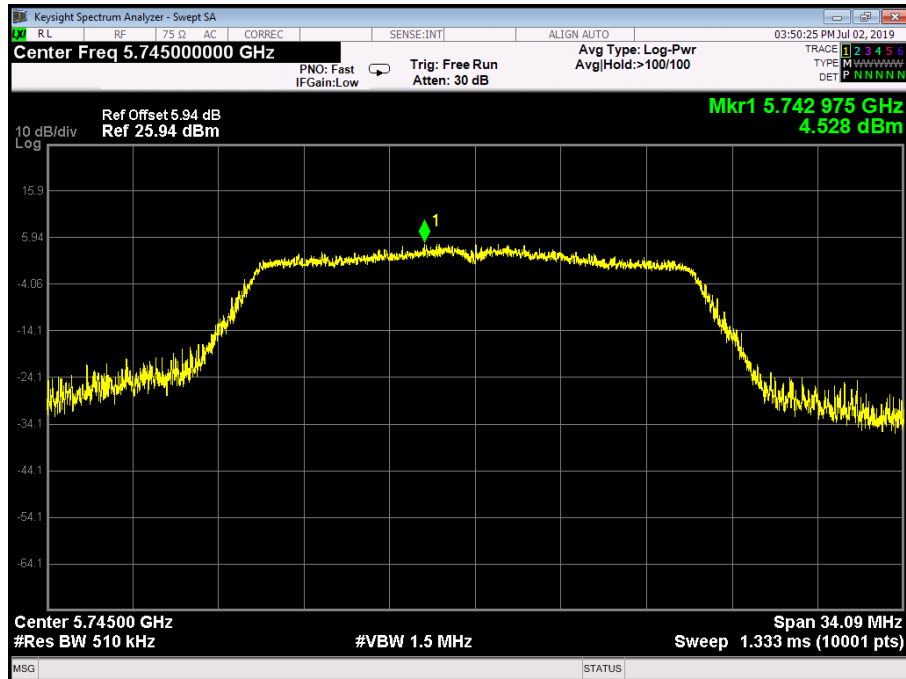
802.11 a 5785 MHz



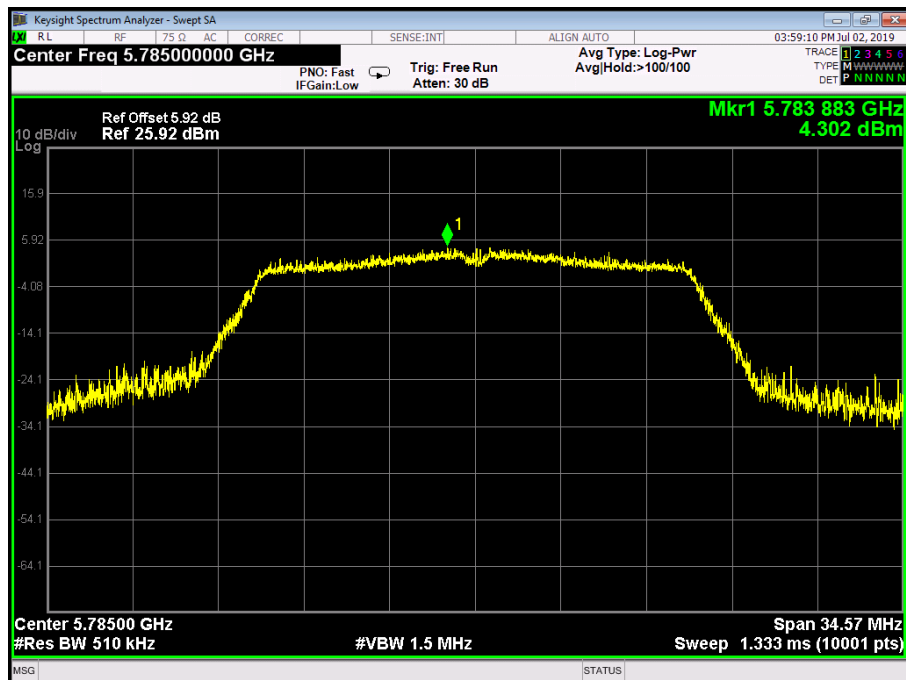
802.11 a 5825 MHz



802.11 n(20) 5745 MHz



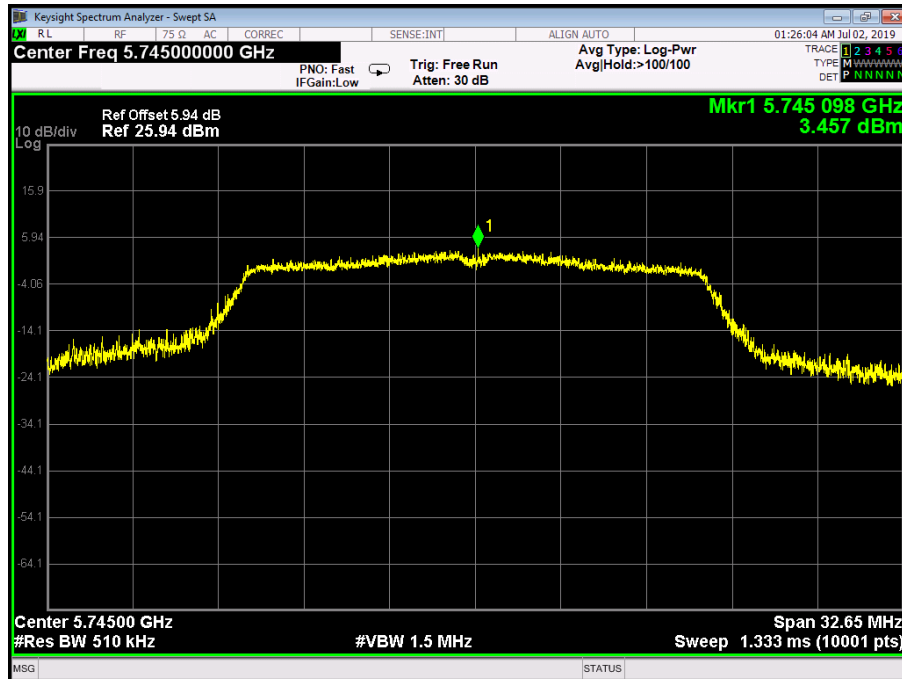
802.11 n(20) 5785 MHz



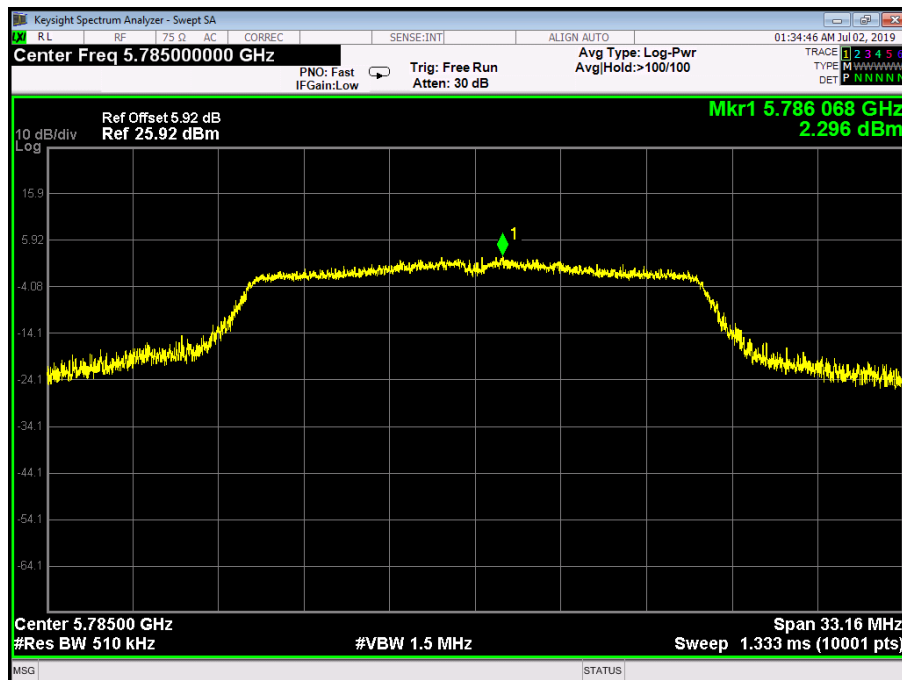
802.11 n(20) 5825 MHz



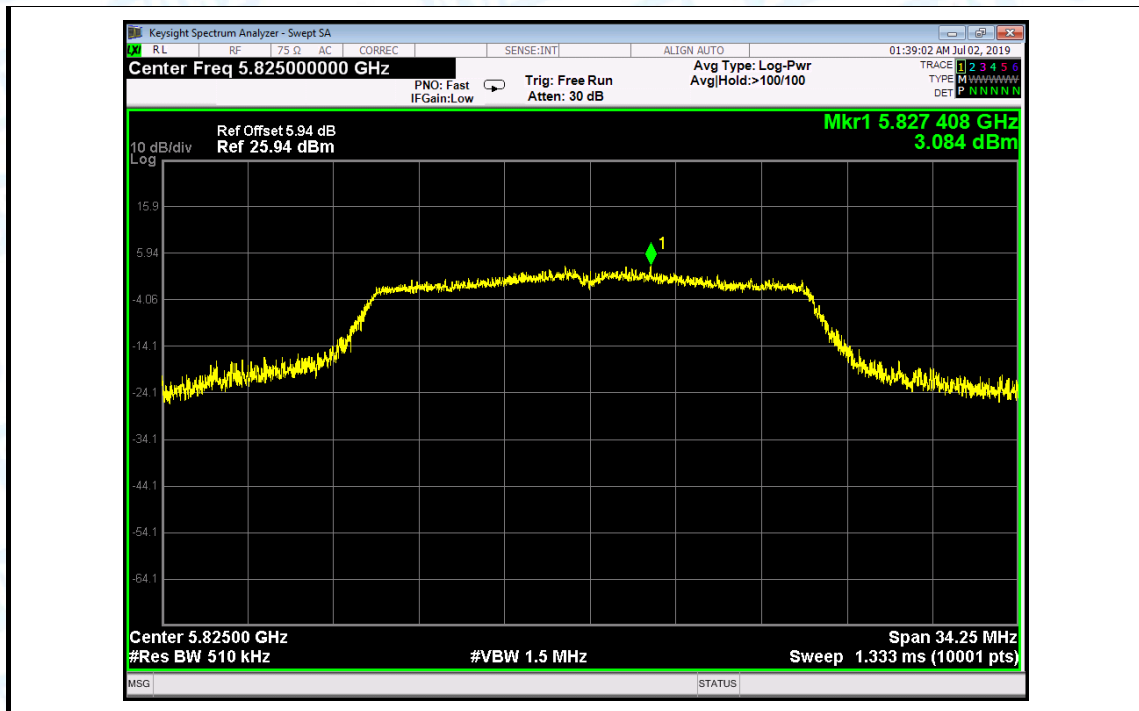
802.11 ac(20) 5745 MHz



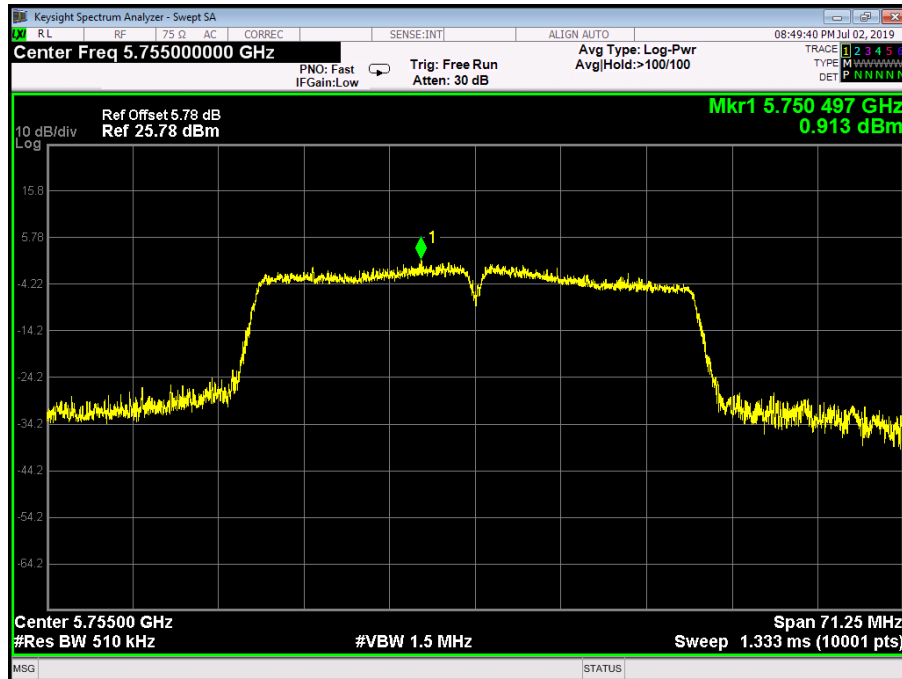
802.11 ac(20) 5785 MHz



802.11 ac(20) 5825 MHz



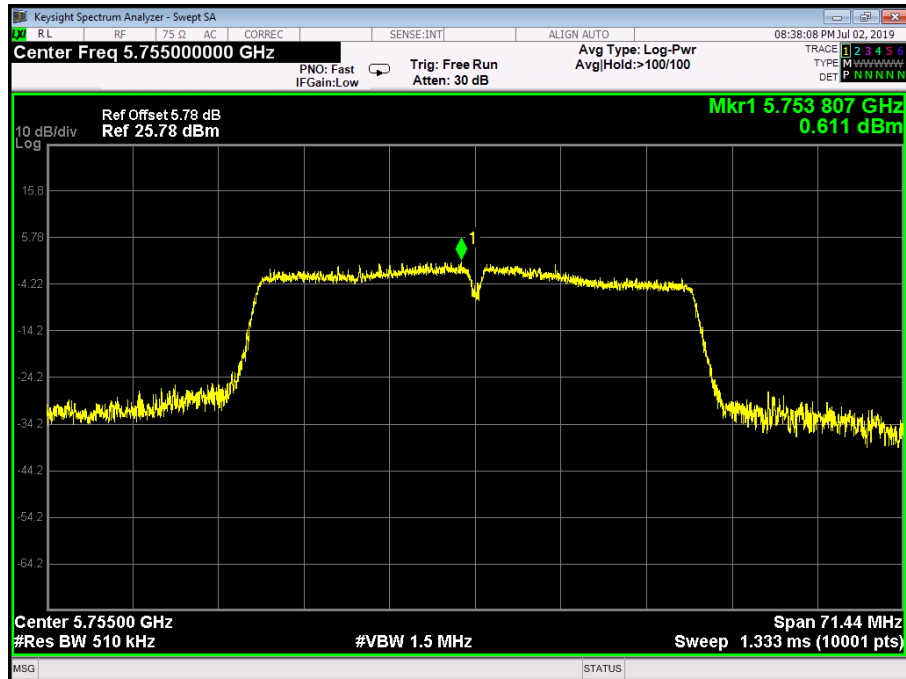
802.11 n(40) 5755 MHz



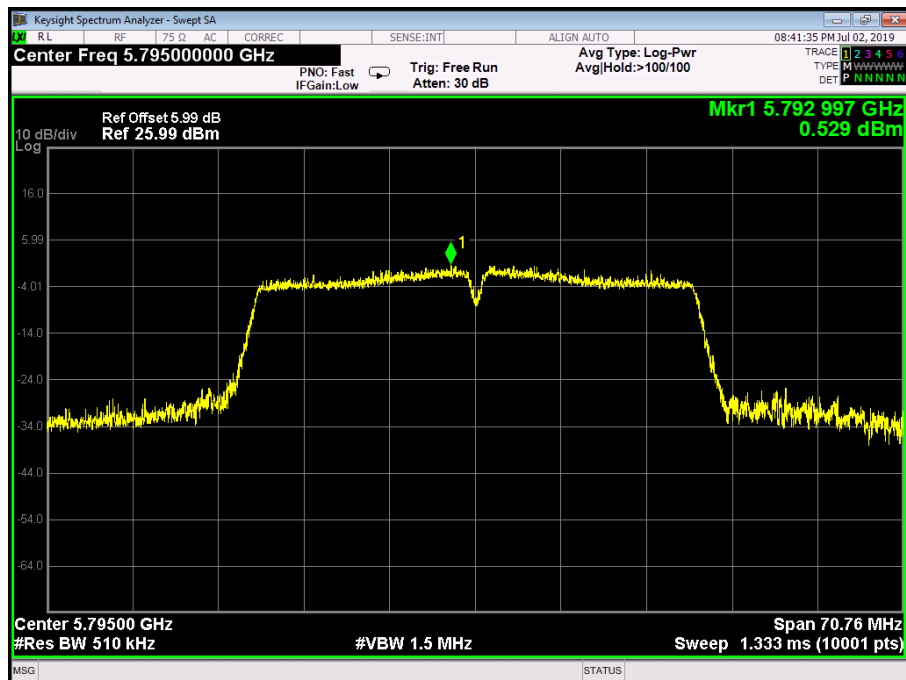
802.11 n(40) 5795 MHz



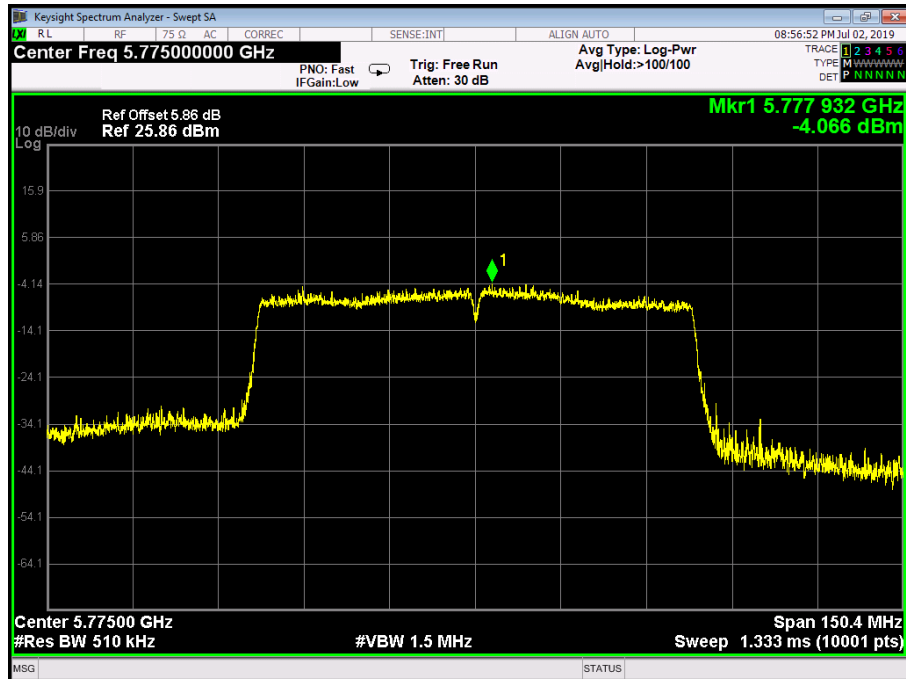
802.11 ac(40) 5755 MHz



802.11 ac(40) 5795 MHz



802.11 ac(80) 5775 MHz



Attachment G-- Frequency Stability Measurement Test Data

801.11a U-NII-1: 5180 MHz	
Voltage vs. Frequency Stability	
Voltage (V)	Measurement Frequency (MHz)
132	5180.01
120	5180.01
118	5180.01
Max. Deviation (MHz)	0.01
Max. Deviation (ppm)	1.93
Temperature vs. Frequency Stability	
Temperature (°C)	Measurement Frequency (MHz)
0	5180.01
10	5180.01
20	5180.01
30	5180.01
40	5180.01
50	5180.01
Max. Deviation (MHz)	0.01
Max. Deviation (ppm)	1.93
Limit (ppm)	20
Result	Pass

801.11a U-NII-2A: 5260 MHz	
Voltage vs. Frequency Stability	
Voltage (V)	Measurement Frequency (MHz)
132	5260.00
120	5260.00
118	5260.00
Max. Deviation (MHz)	0.00
Max. Deviation (ppm)	0
Temperature vs. Frequency Stability	
Temperature (°C)	Measurement Frequency (MHz)
0	5260.00
10	5260.00
20	5260.00
30	5260.00
40	5260.00
50	5260.00
Max. Deviation (MHz)	0.00
Max. Deviation (ppm)	0
Limit (ppm)	20
Result	Pass

801.11a U-NII-2C: 5500 MHz	
Voltage vs. Frequency Stability	
Voltage (V)	Measurement Frequency (MHz)
132	5500.00
120	5500.00
118	5500.00
Max. Deviation (MHz)	0.00
Max. Deviation (ppm)	0
Temperature vs. Frequency Stability	
Temperature (°C)	Measurement Frequency (MHz)
0	5500.00
10	5500.00
20	5500.00
30	5500.00
40	5500.00
50	5500.00
Max. Deviation (MHz)	0.00
Max. Deviation (ppm)	0
Limit (ppm)	20
Result	Pass

801.11a U-NII-3: 5745 MHz	
Voltage vs. Frequency Stability	
Voltage (V)	Measurement Frequency (MHz)
132	5744.98
120	5744.98
118	5744.98
Max. Deviation (MHz)	-0.02
Max. Deviation (ppm)	-3.48
Temperature vs. Frequency Stability	
Temperature (°C)	Measurement Frequency (MHz)
0	5744.98
10	5744.98
20	5744.98
30	5744.98
40	5744.98
50	5744.98
Max. Deviation (MHz)	-0.02
Max. Deviation (ppm)	-3.48
Limit (ppm)	20
Result	Pass

-----END OF REPORT-----