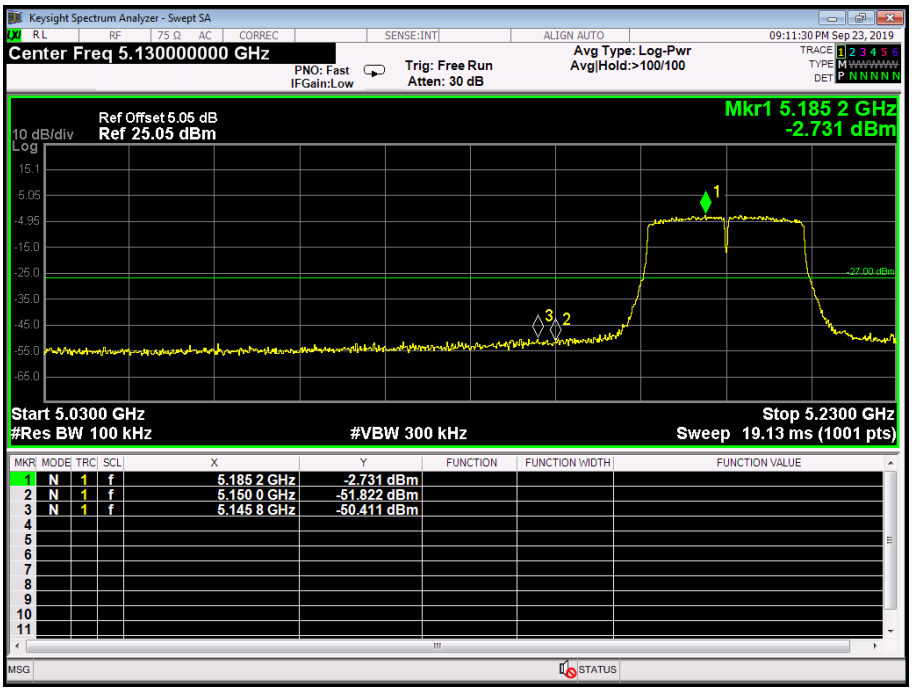
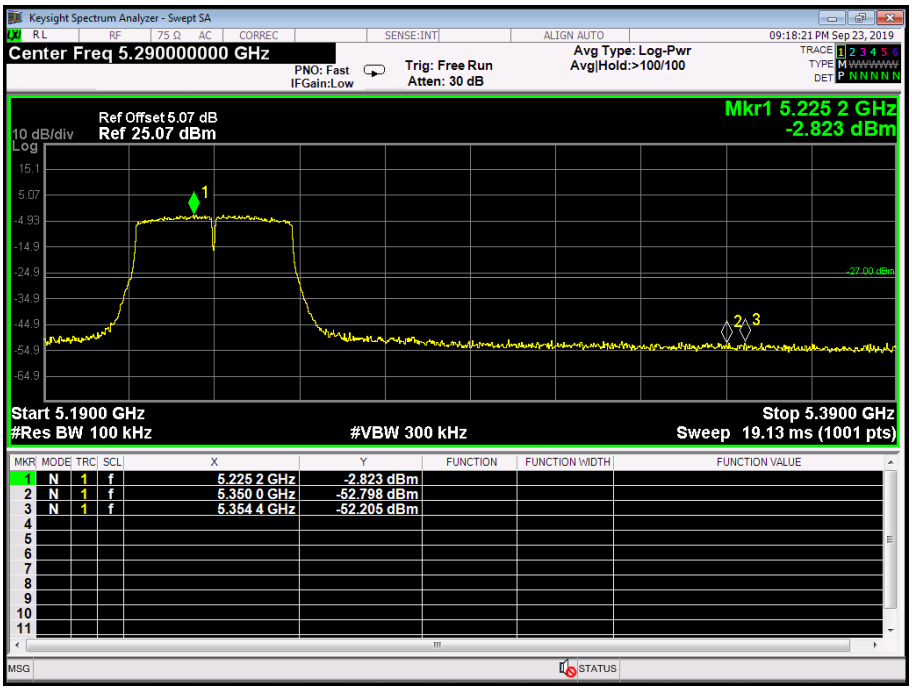
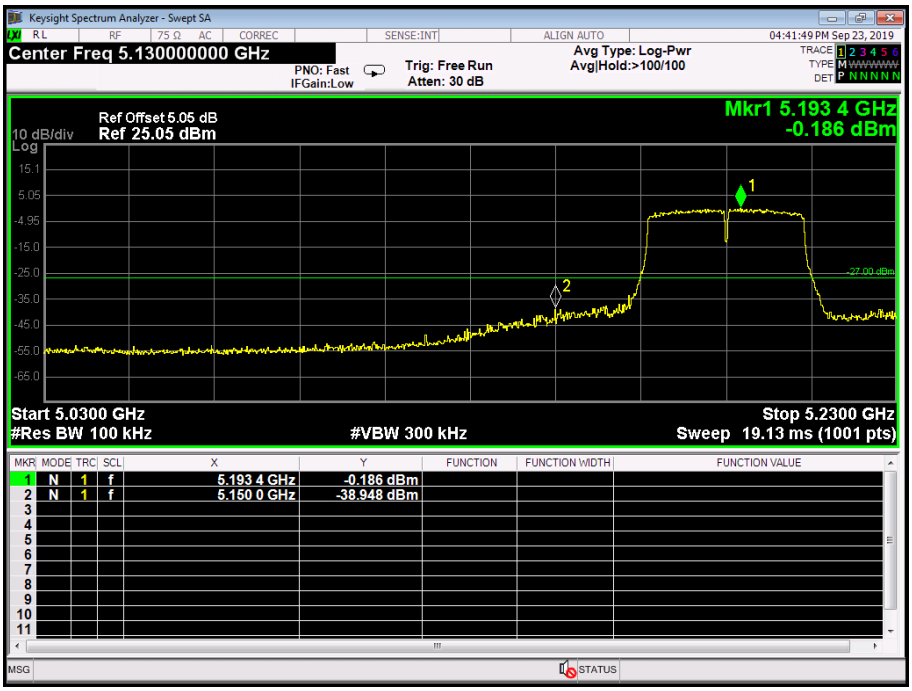
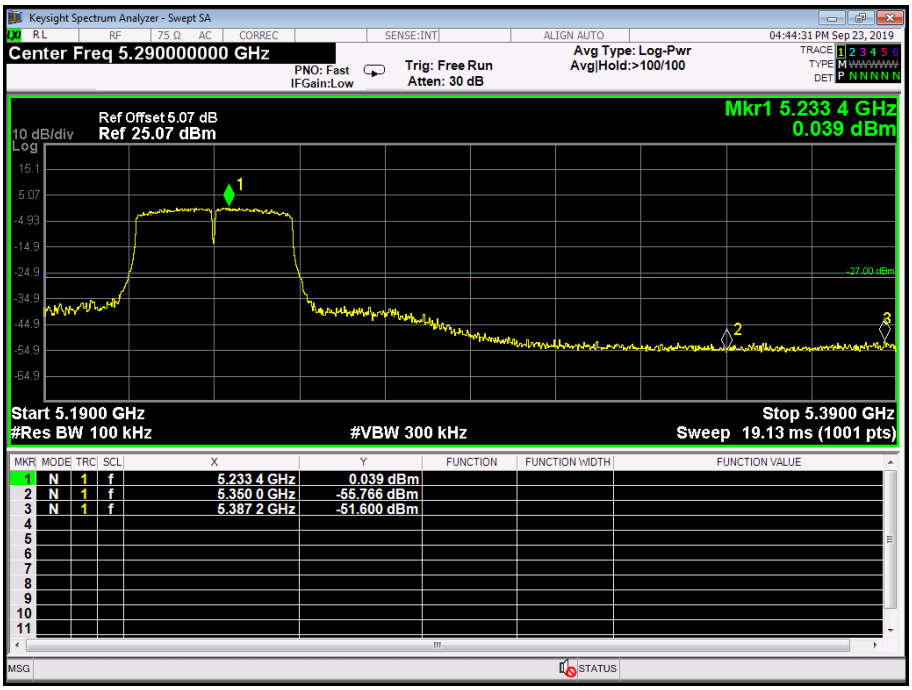
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11n(HT40) mode(U-NII-1) / 5190MHz&5230MHz Antenna A		
Remark:	The EUT is programed in continuously transmitting mode		



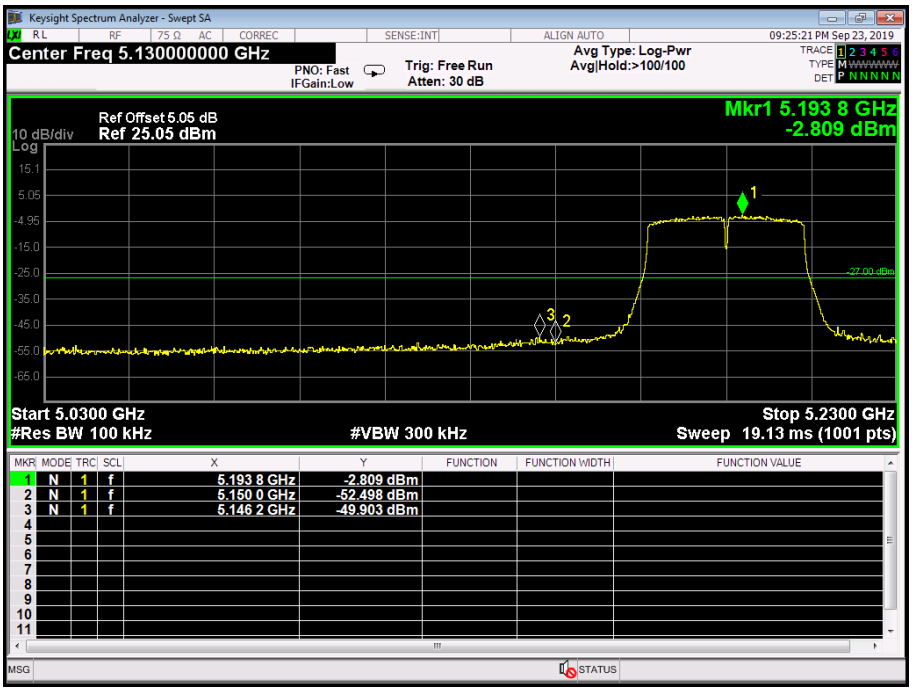


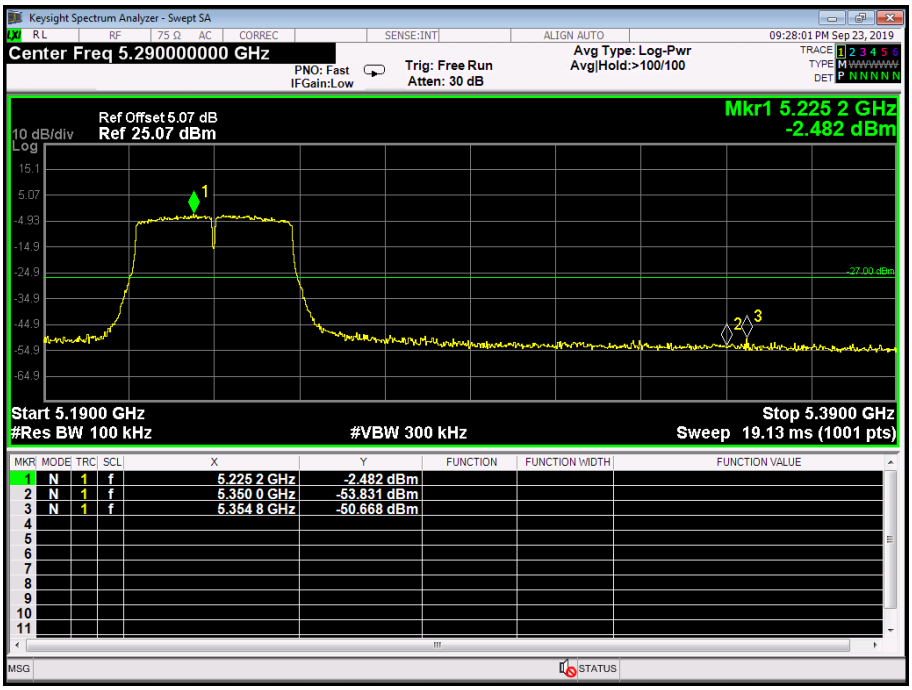
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11n(HT40) mode(U-NII-1) / 5190MHz&5230MHz Antenna B		
Remark:	The EUT is programed in continuously transmitting mode		



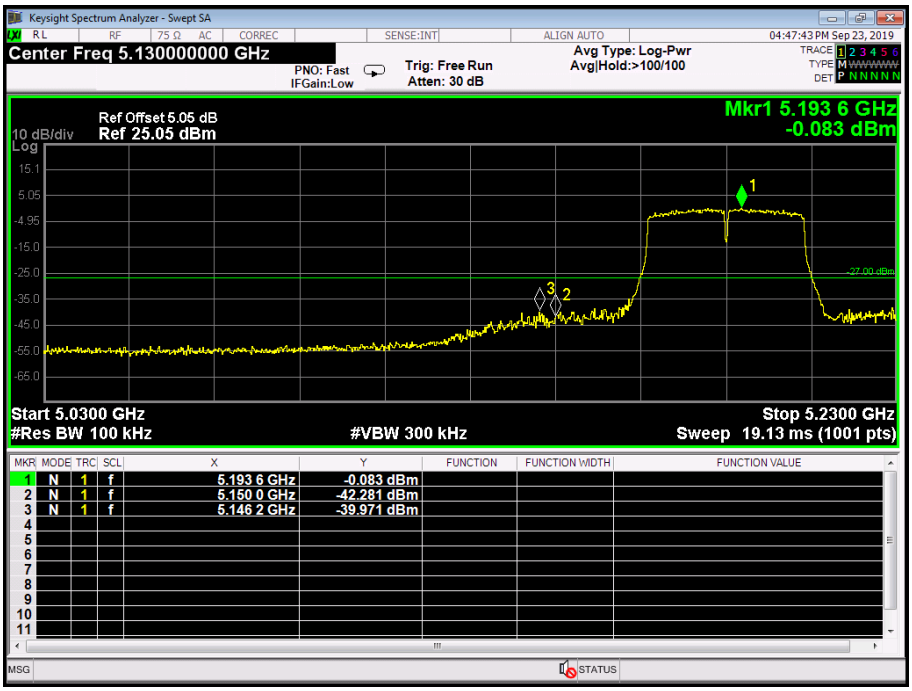


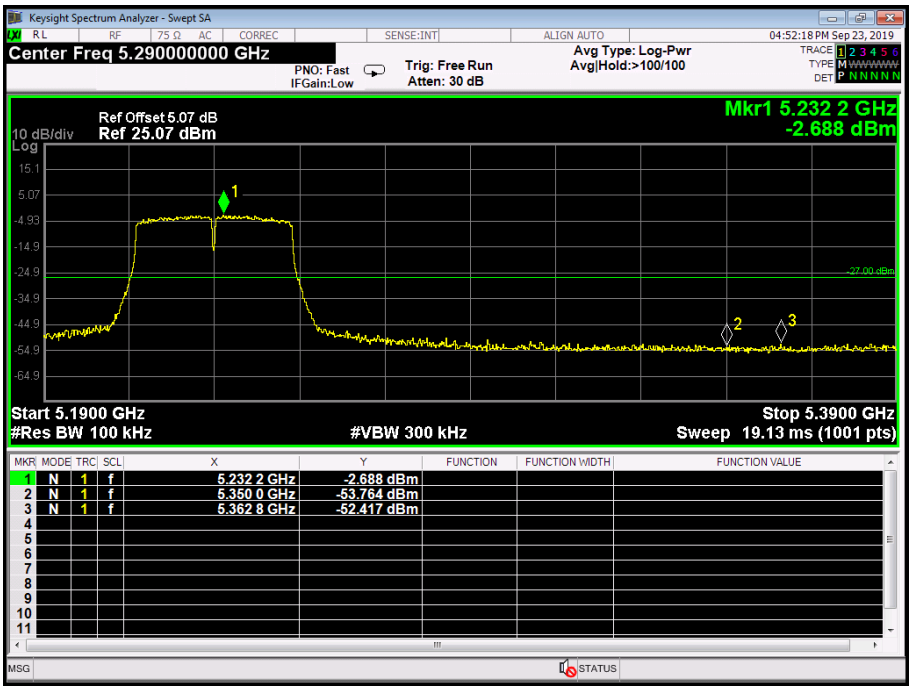
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11ac(VHT40) mode(U-NII-1) / 5190MHz&5230MHz Antenna A		
Remark:	The EUT is programed in continuously transmitting mode		



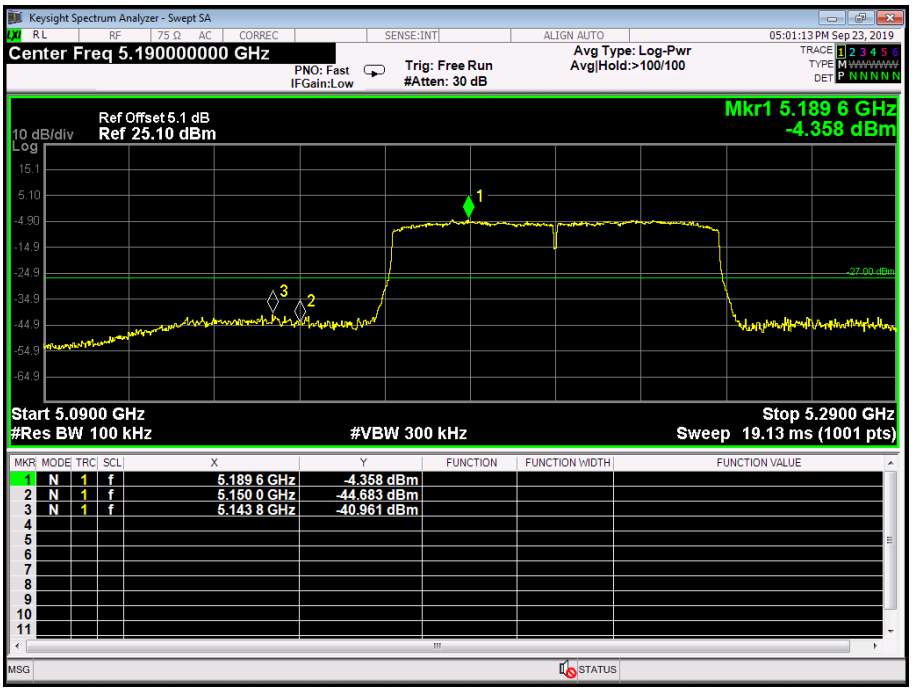


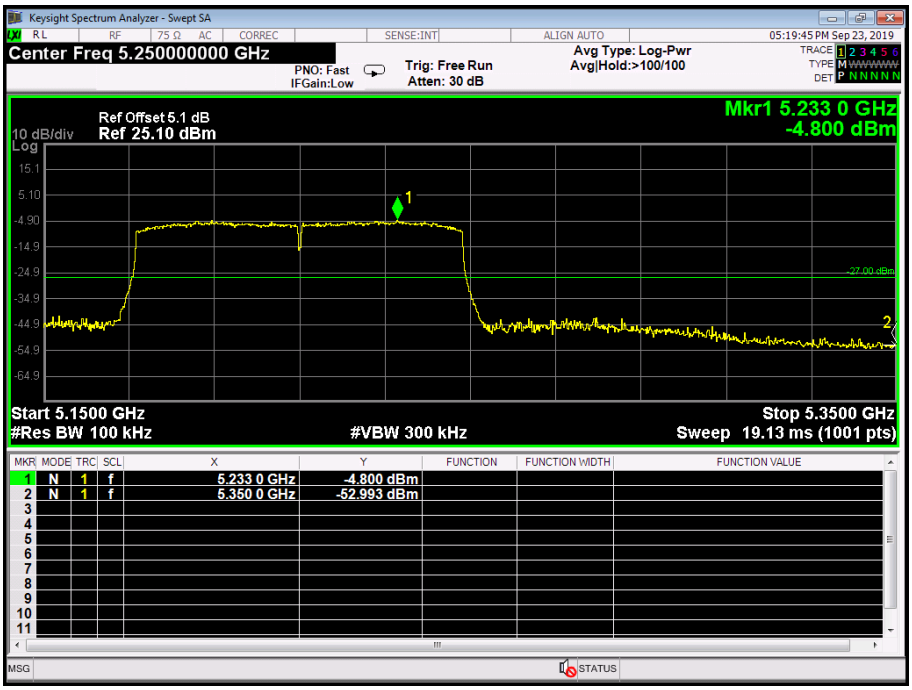
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11ac(VHT40) mode(U-NII-1) / 5190MHz&5230MHz Antenna B		
Remark:	The EUT is programed in continuously transmitting mode		



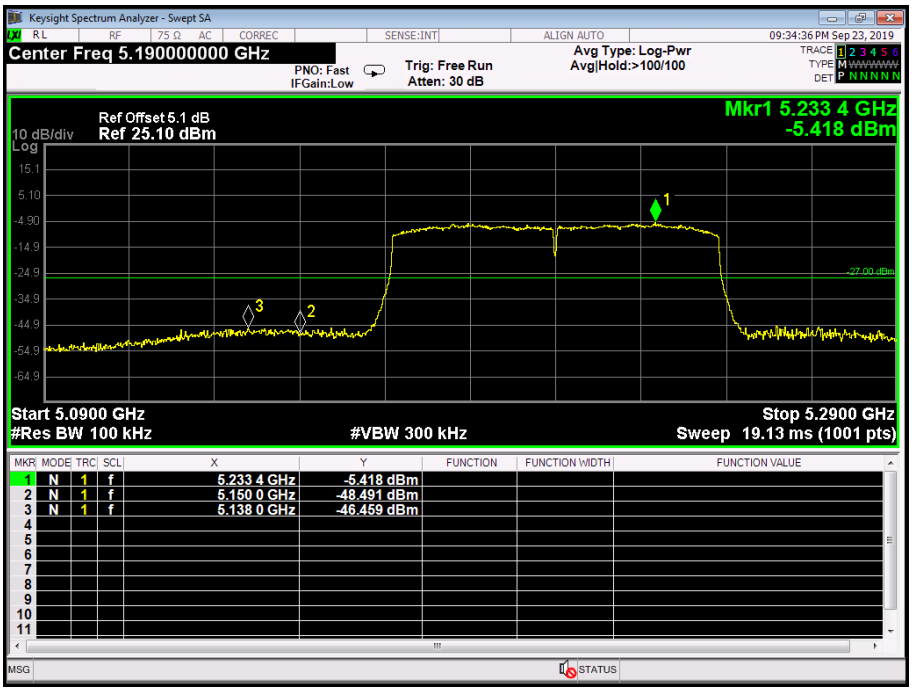


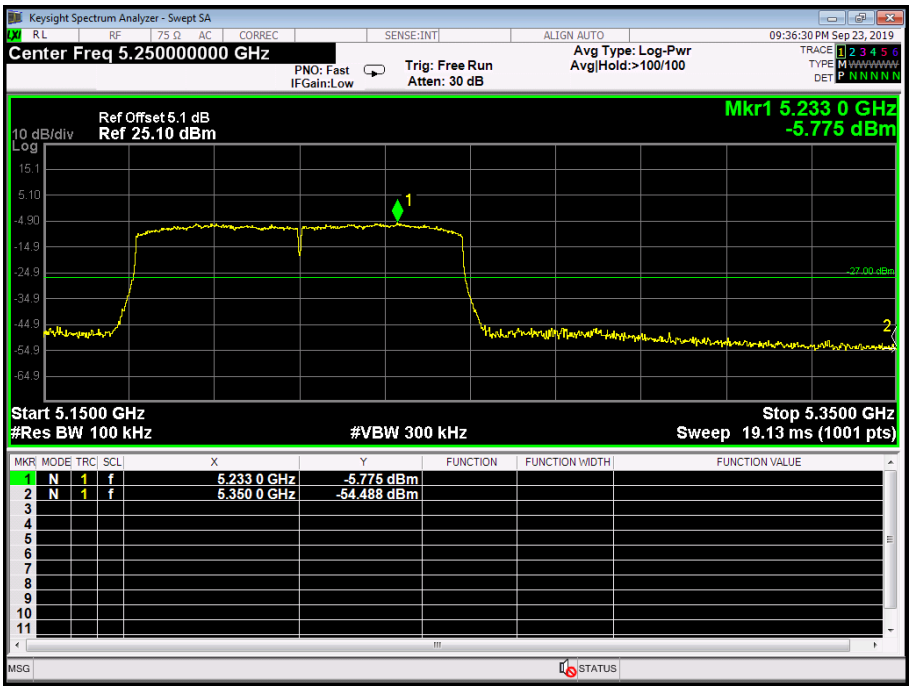
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11ac(80) mode(U-NII-1) / 5210MHz Antenna A		
Remark:	The EUT is programed in continuously transmitting mode		



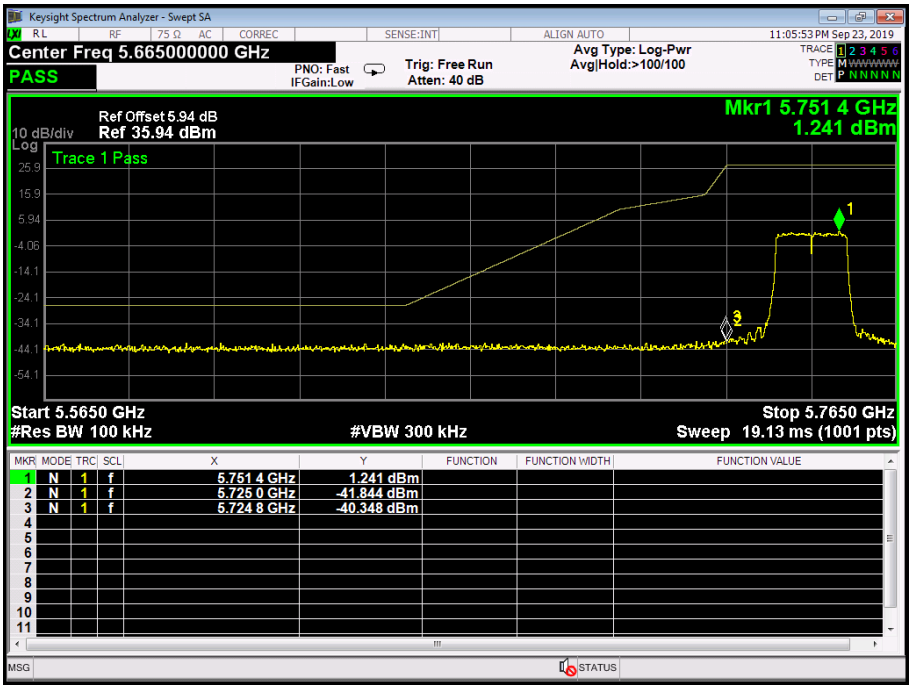


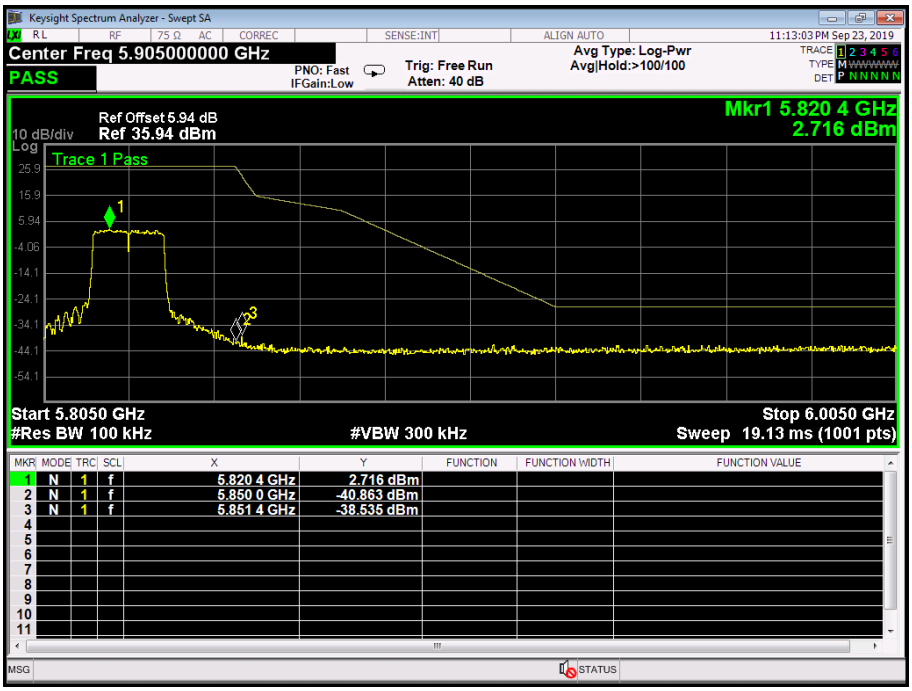
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11ac(80) mode(U-NII-1) / 5210MHz Antenna B		
Remark:	The EUT is programed in continuously transmitting mode		



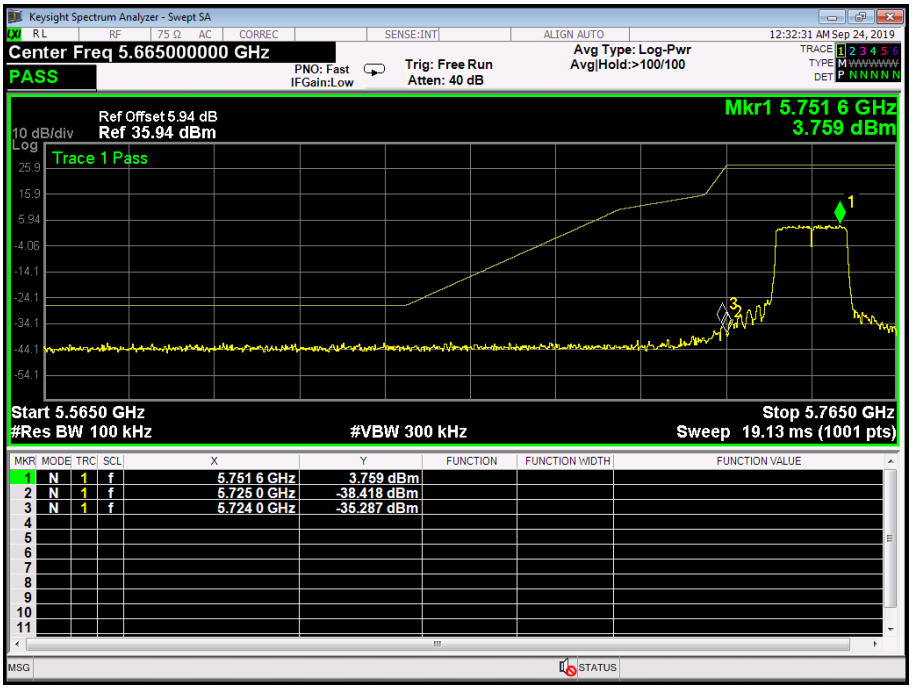


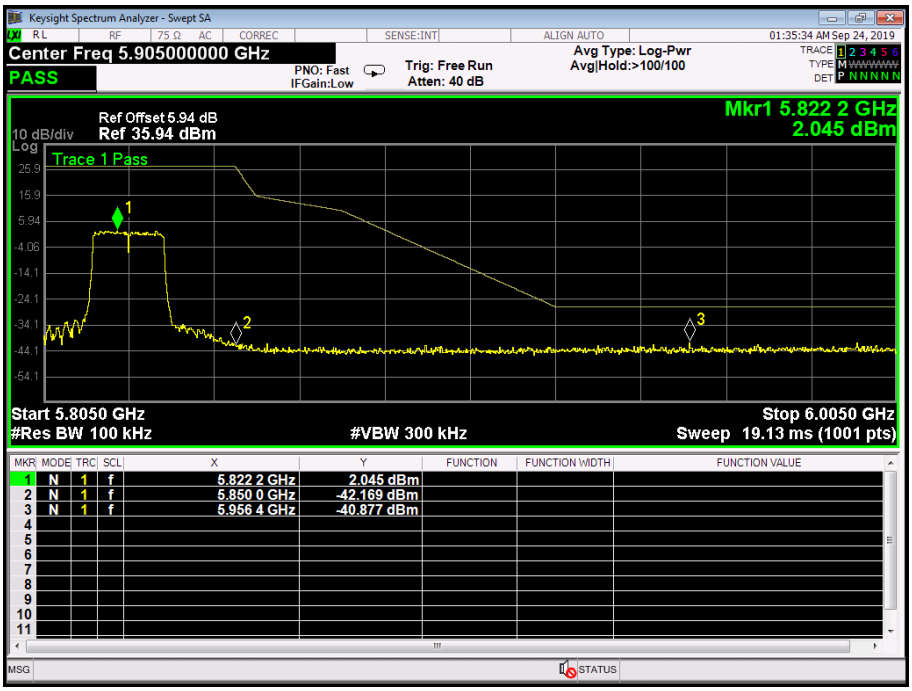
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11a Mode 5745MHz /5825MHz (U-NII-3) Antenna A		
Remark:	The EUT is programed in continuously transmitting mode		



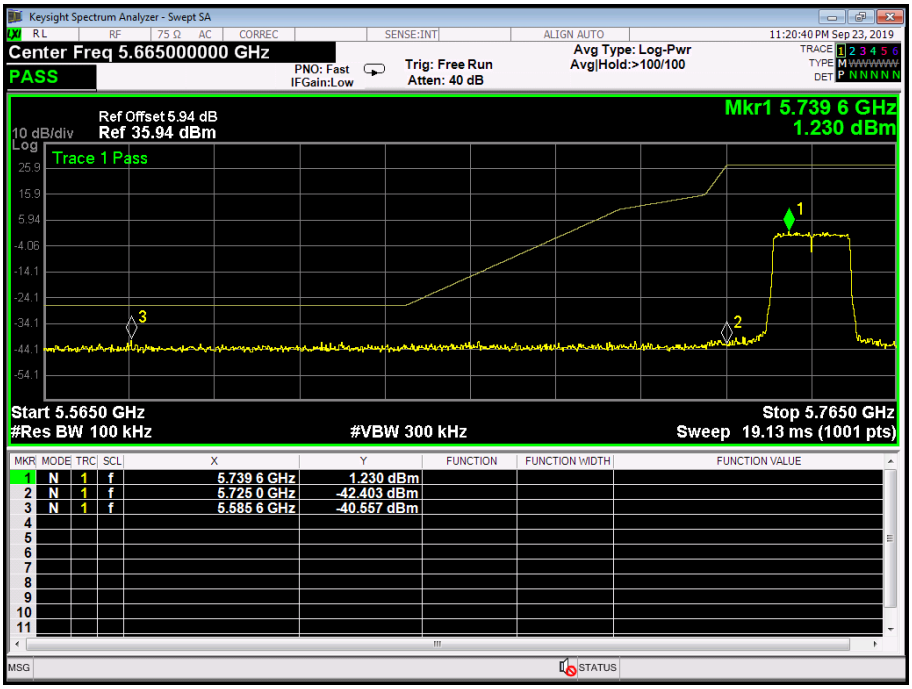


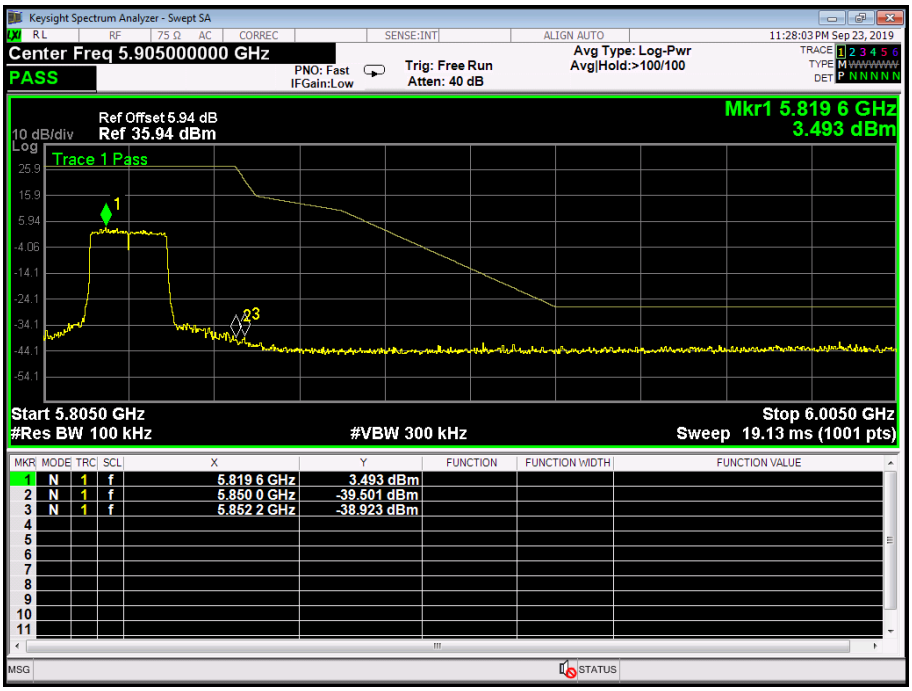
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11a Mode 5745MHz /5825MHz (U-NII-3) Antenna B		
Remark:	The EUT is programed in continuously transmitting mode		



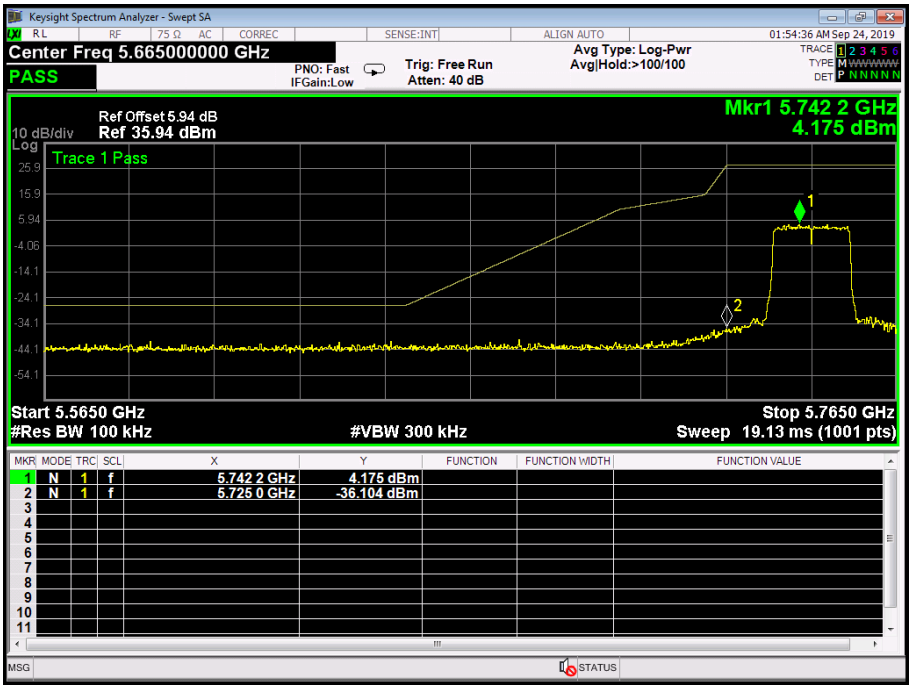


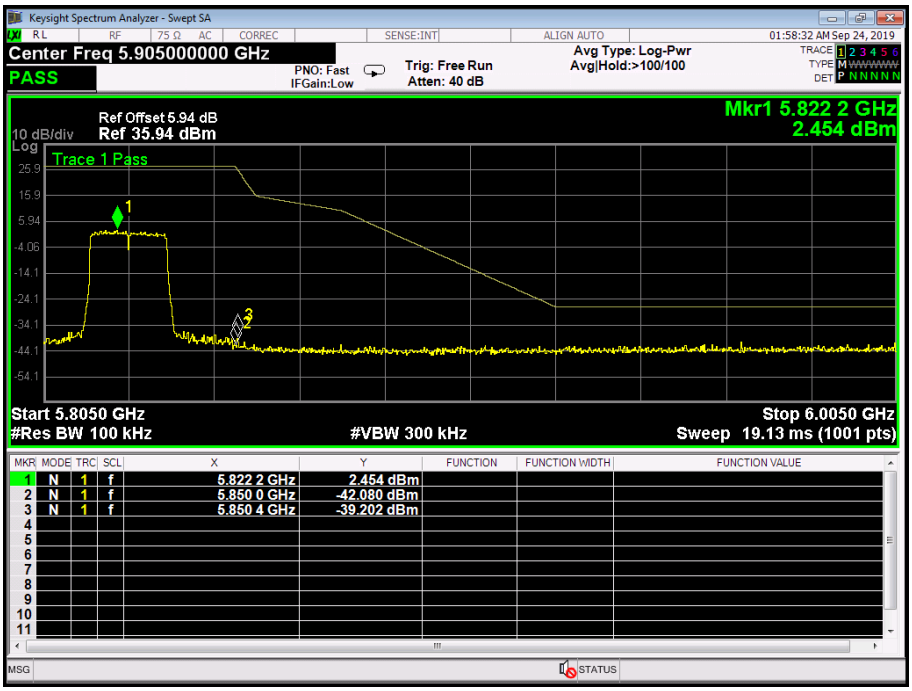
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11n(HT20) Mode 5745MHz /5825MHz (U-NII-3) Antenna A		
Remark:	The EUT is programed in continuously transmitting mode		



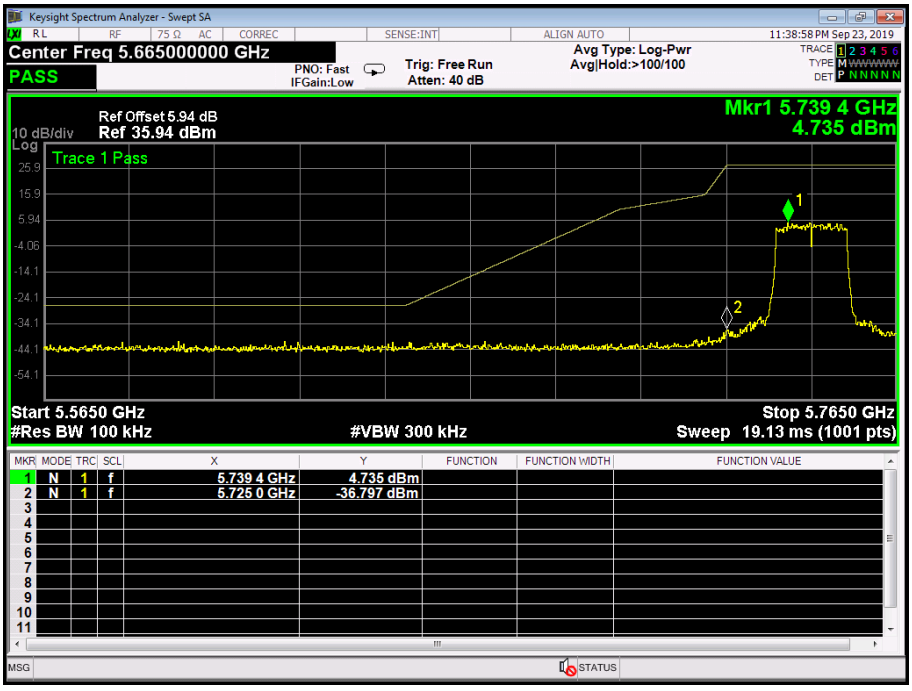


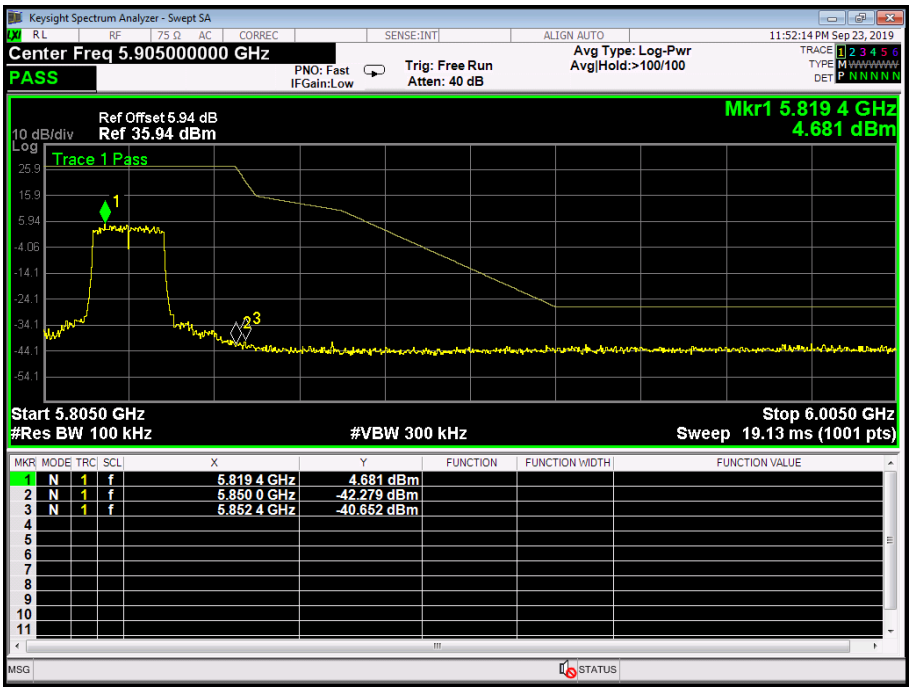
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11n(HT20) Mode 5745MHz /5825MHz (U-NII-3) Antenna B		
Remark:	The EUT is programed in continuously transmitting mode		



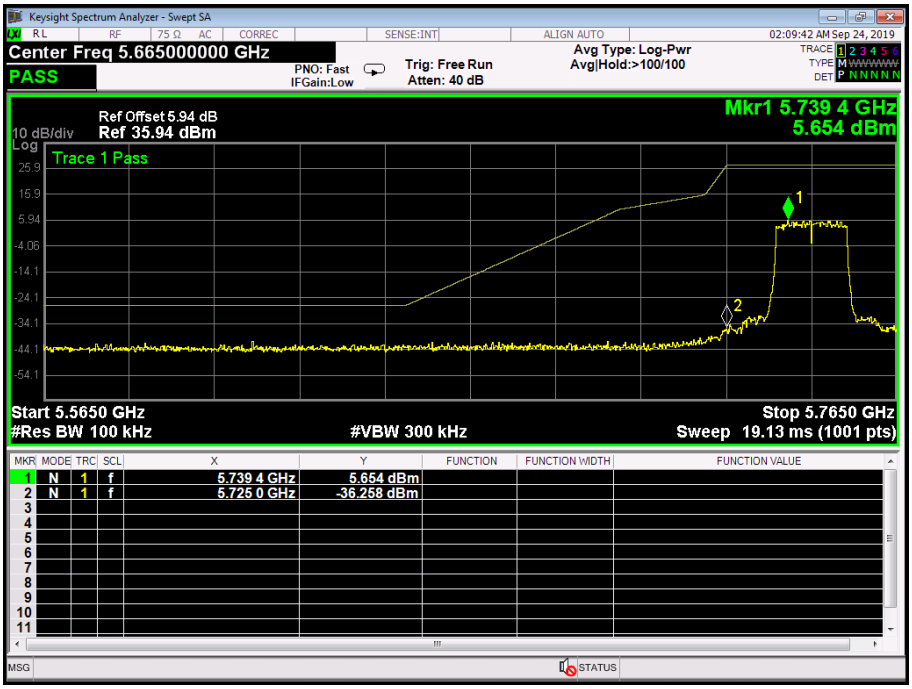


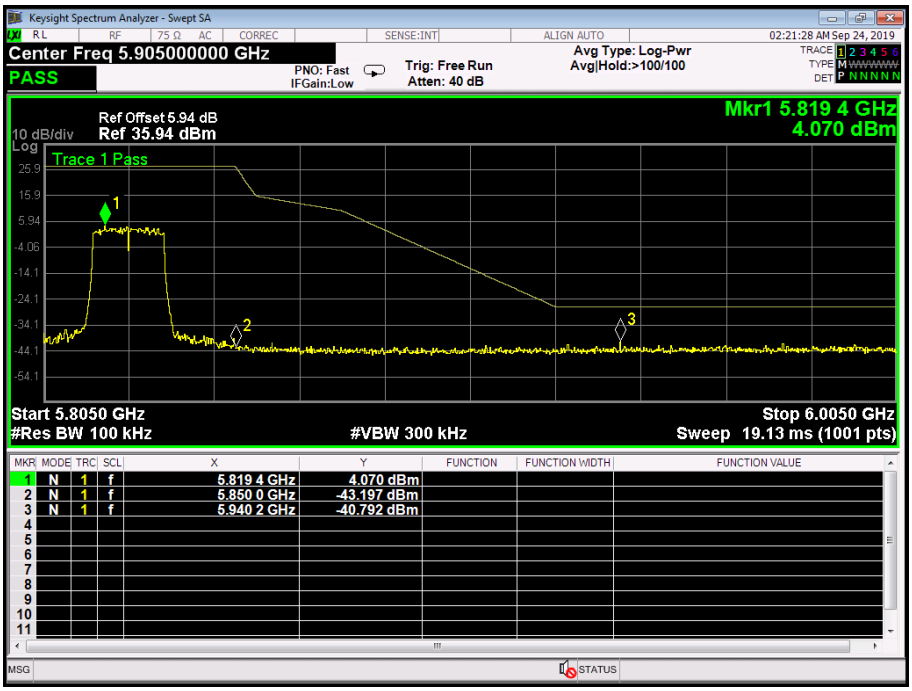
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11ac(VHT20) Mode 5745MHz /5825MHz (U-NII-3) Antenna A		
Remark:	The EUT is programed in continuously transmitting mode		



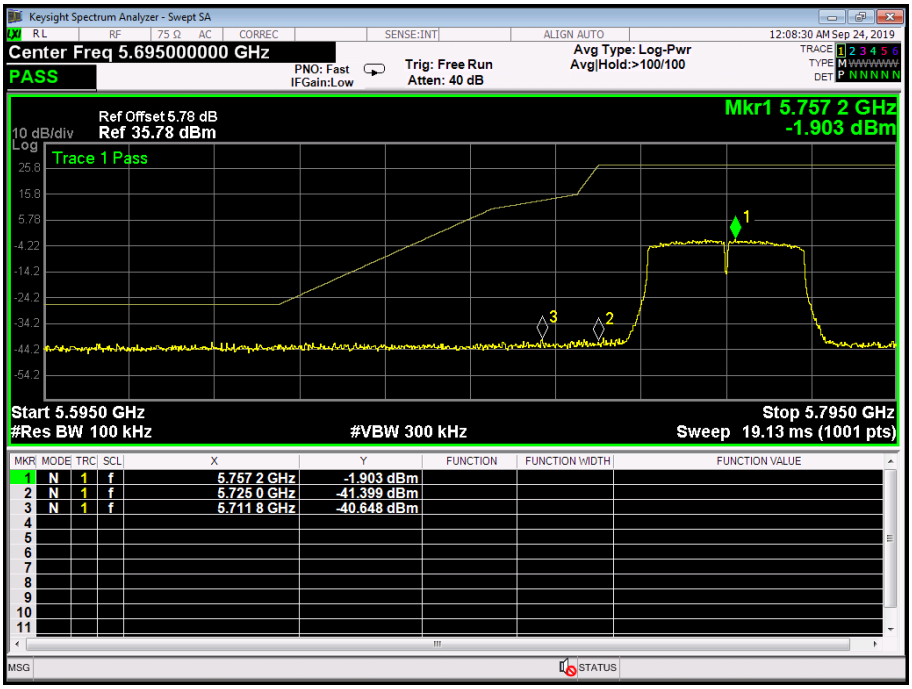


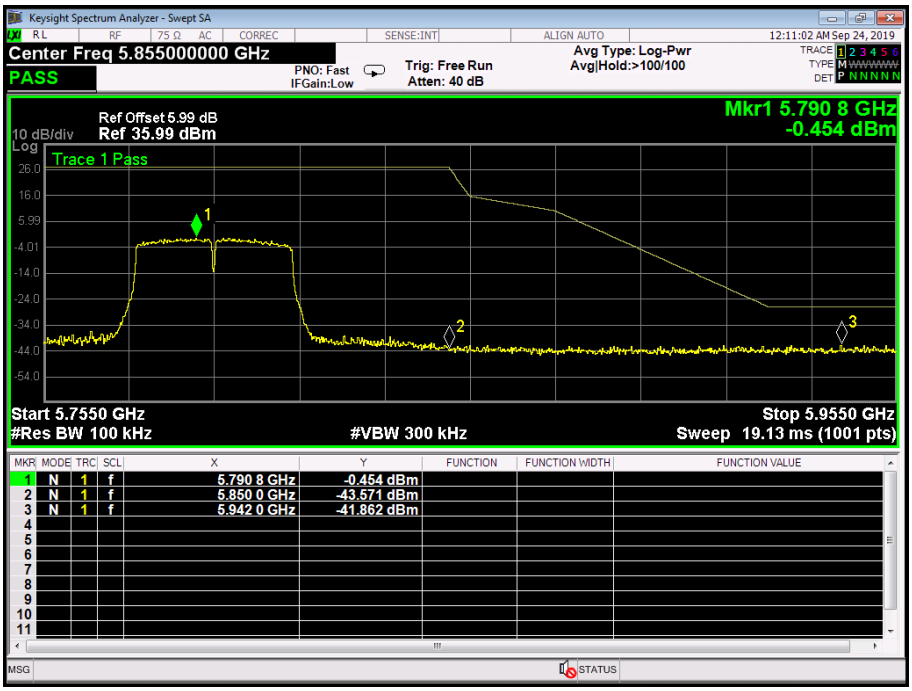
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11ac(VHT20) Mode 5745MHz /5825MHz (U-NII-3) Antenna B		
Remark:	The EUT is programed in continuously transmitting mode		



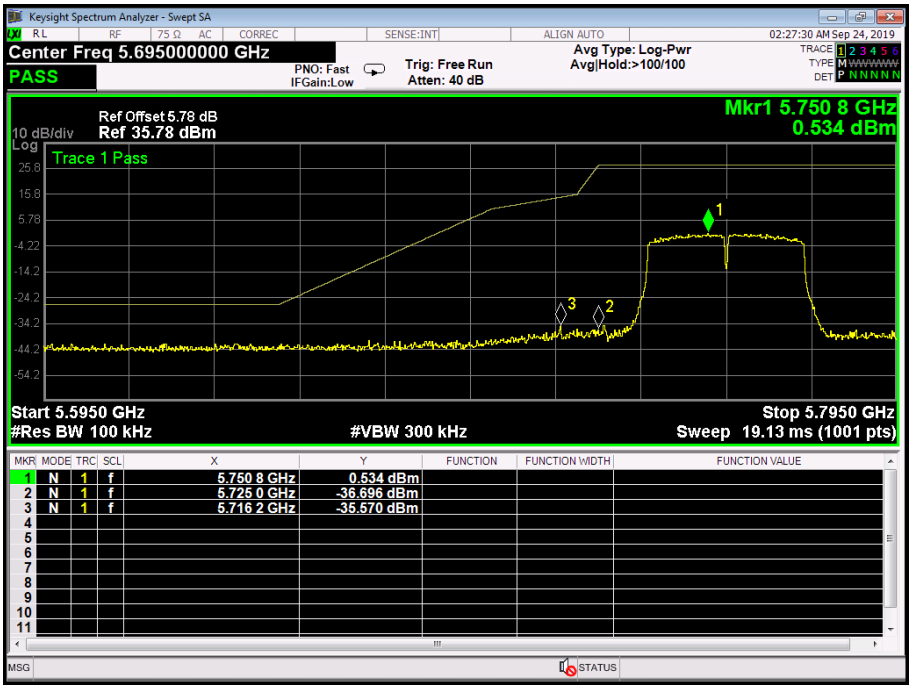


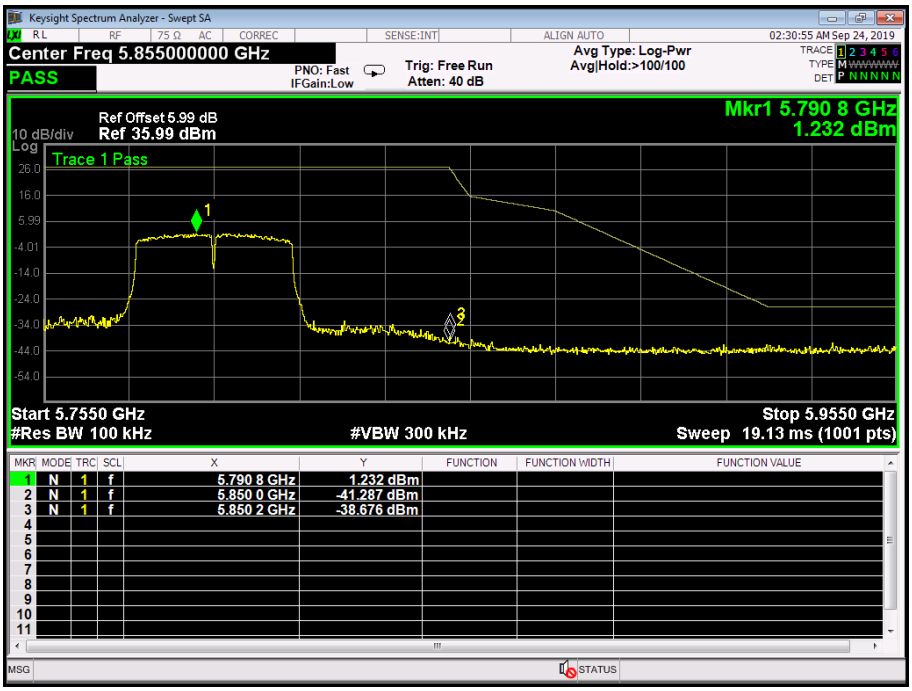
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11 n(HT40) Mode 5755MHz/5795 (U-NII-3) Antenna A		
Remark:	The EUT is programed in continuously transmitting mode		



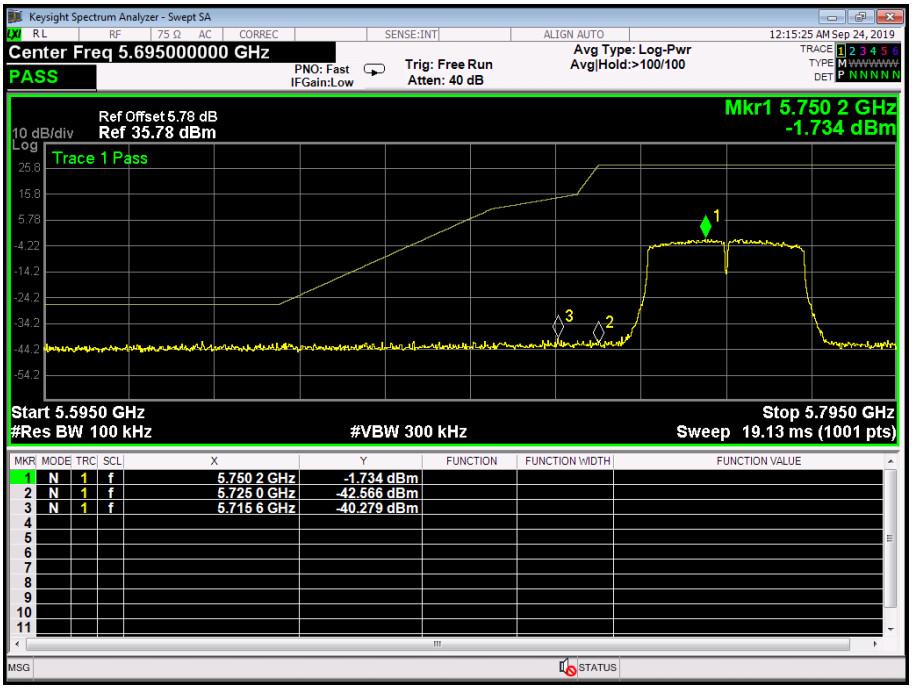


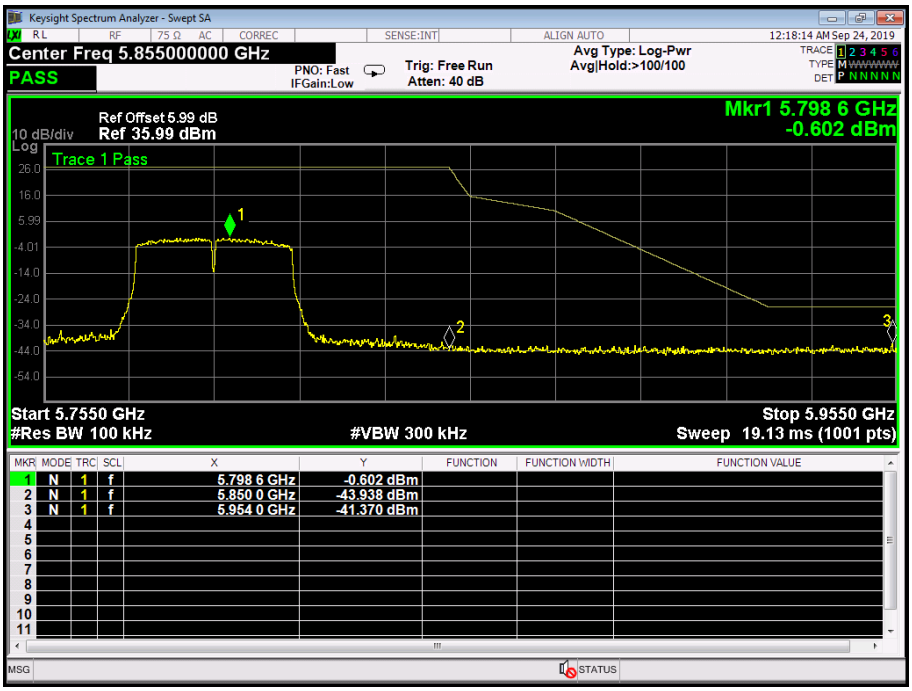
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11 n(HT40) Mode 5755MHz/5795 (U-NII-3) Antenna B		
Remark:	The EUT is programed in continuously transmitting mode		



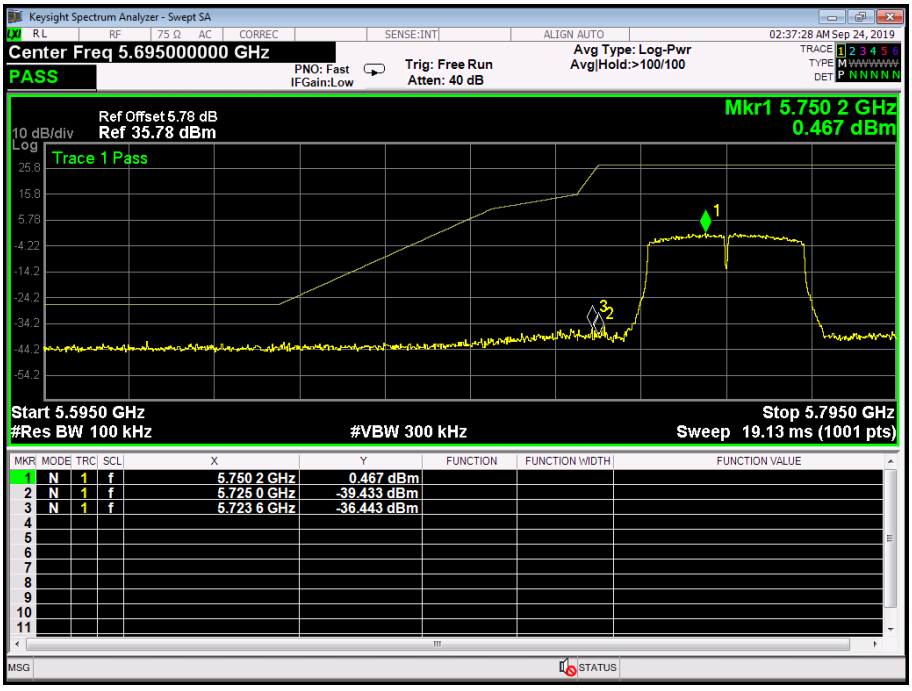


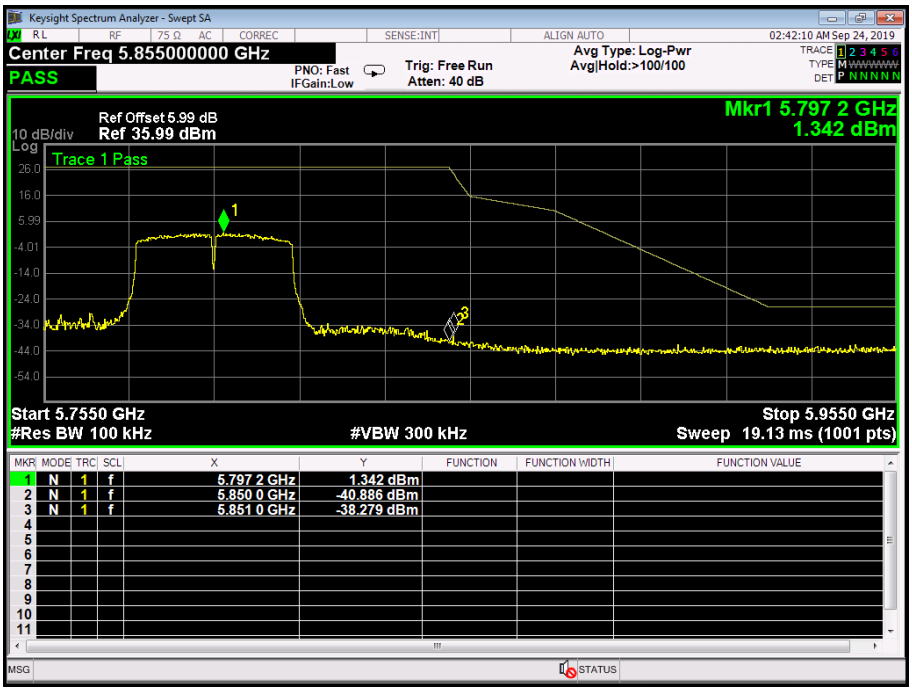
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11 ac(VHT40) Mode 5755MHz/5795 (U-NII-3) Antenna A		
Remark:	The EUT is programed in continuously transmitting mode		



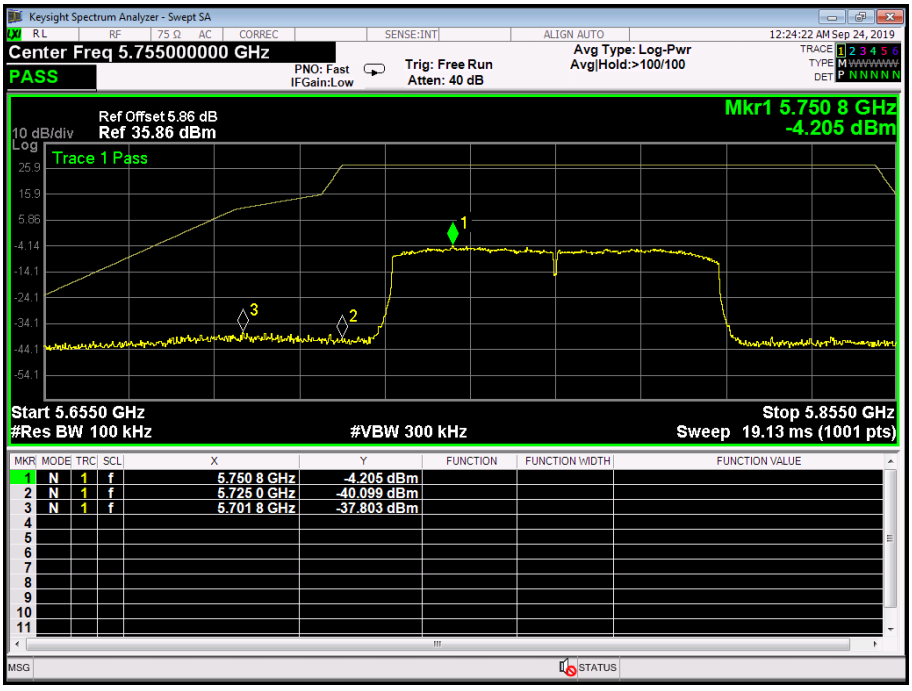


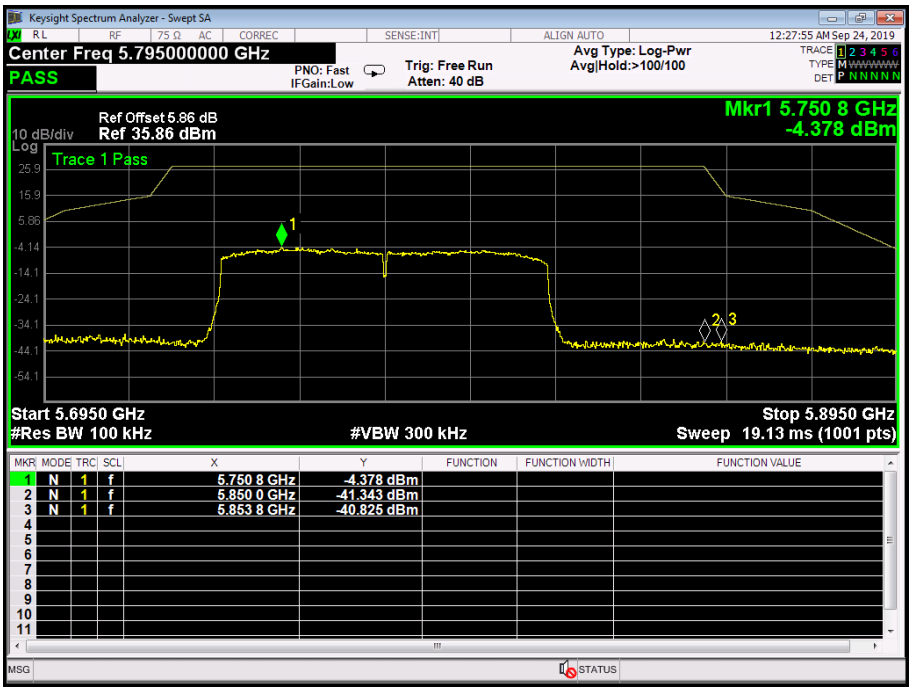
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11 ac(VHT40) Mode 5755MHz/5795 (U-NII-3) Antenna B		
Remark:	The EUT is programed in continuously transmitting mode		



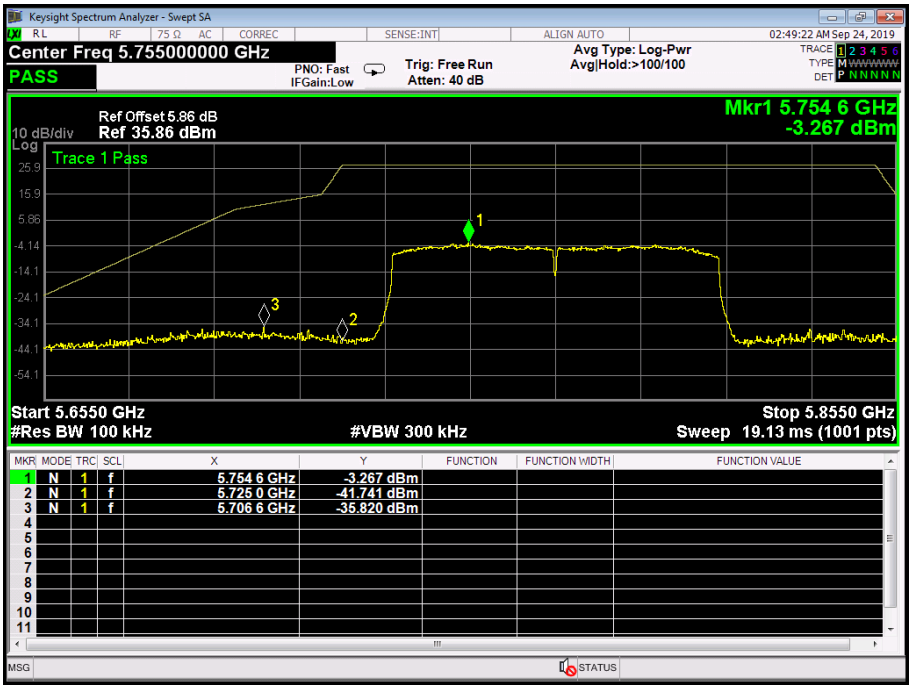


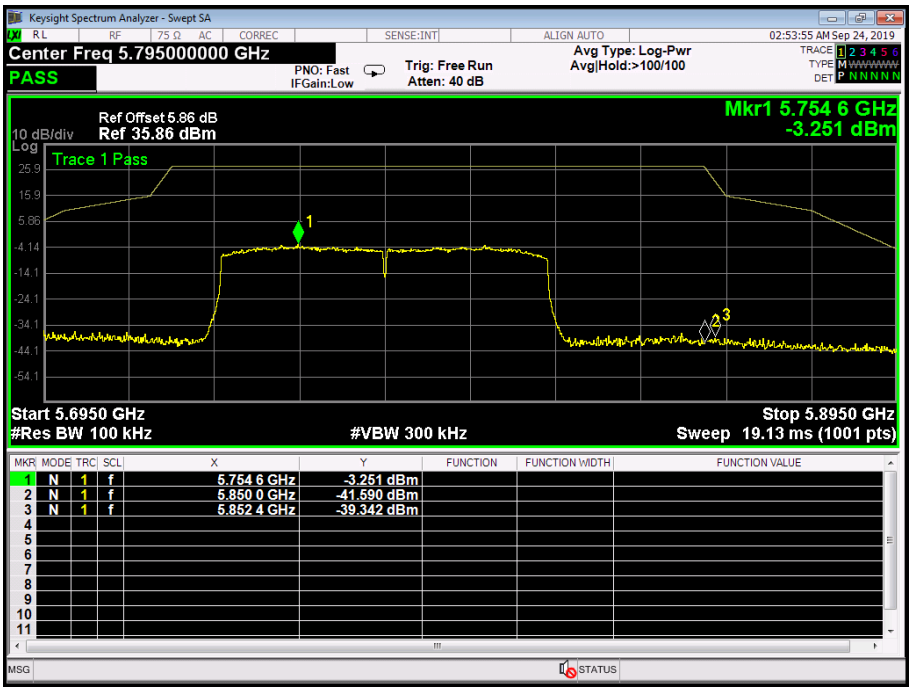
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11 ac(80) Mode 5775MHz (U-NII-3) Antenna A		
Remark:	The EUT is programed in continuously transmitting mode		





Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11 ac(80) Mode 5775MHz (U-NII-3) Antenna B		
Remark:	The EUT is programed in continuously transmitting mode		





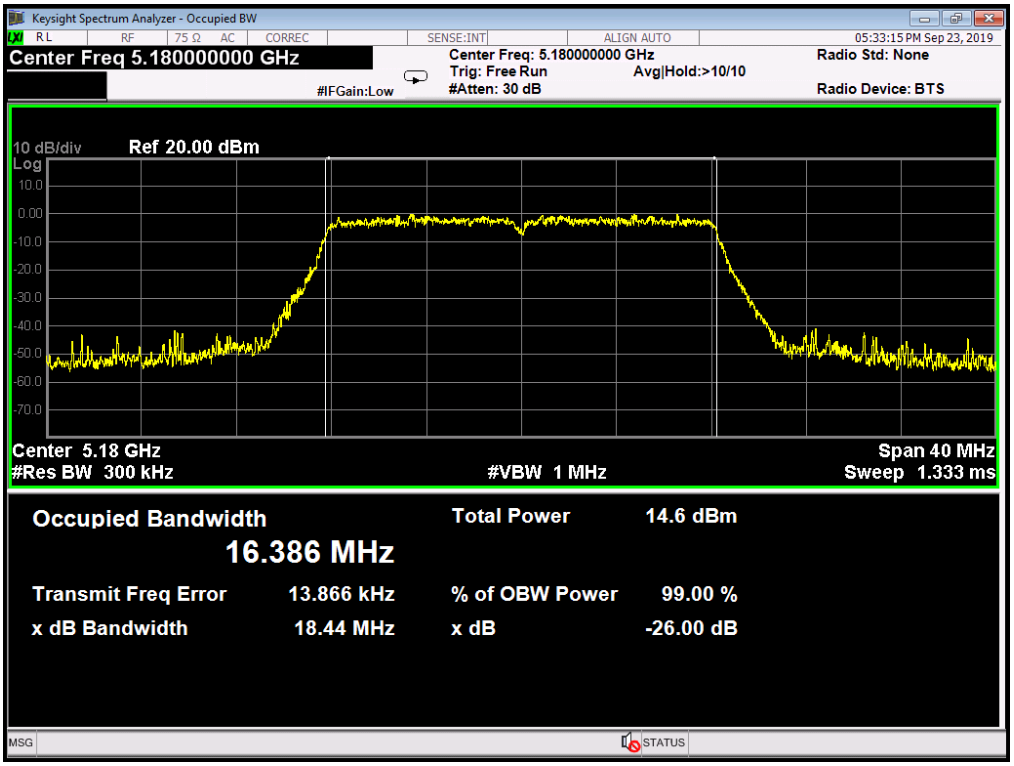
Attachment D--Bandwidth Test Data

Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11a Mode (U-NII-1) Antenna A		

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
36	5180	18.44	16.386
40	5200	18.58	16.414
48	5240	18.64	16.402

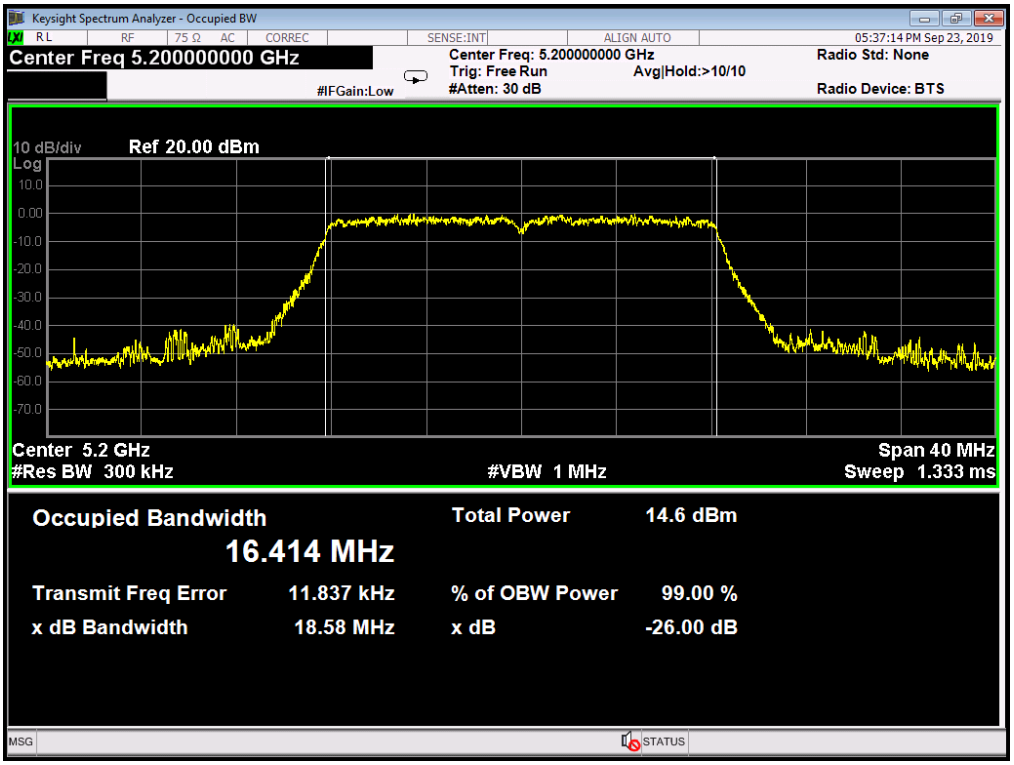
802.11a Mode

5180 MHz



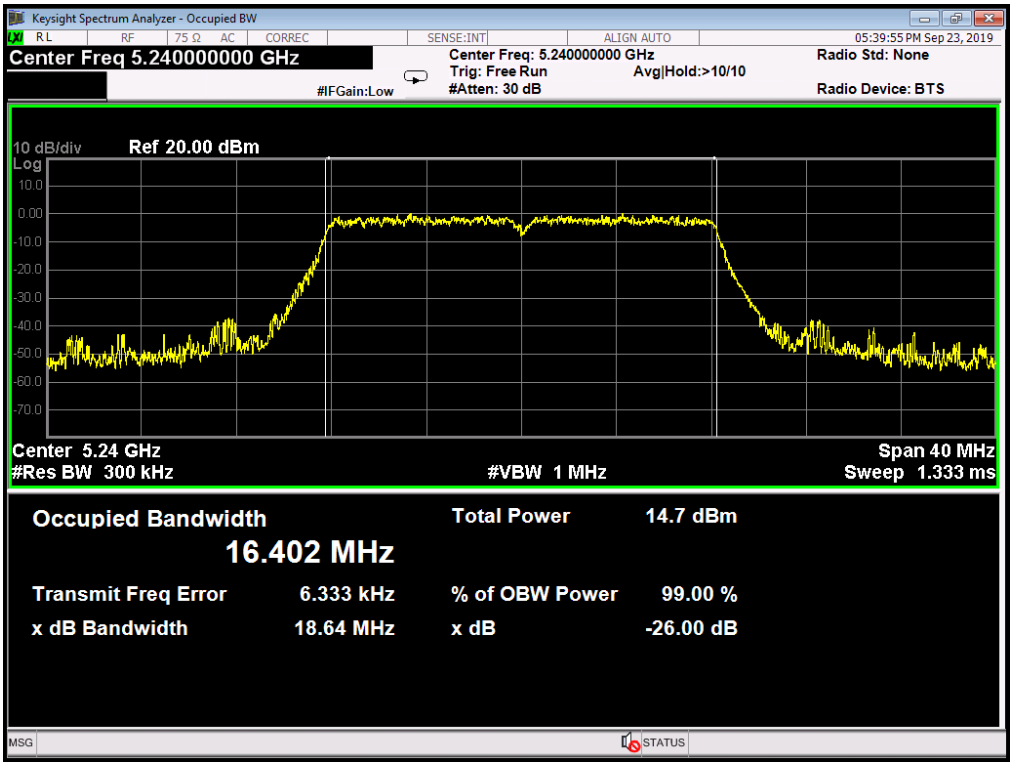
802.11a Mode

5200 MHz



802.11a Mode

5240 MHz

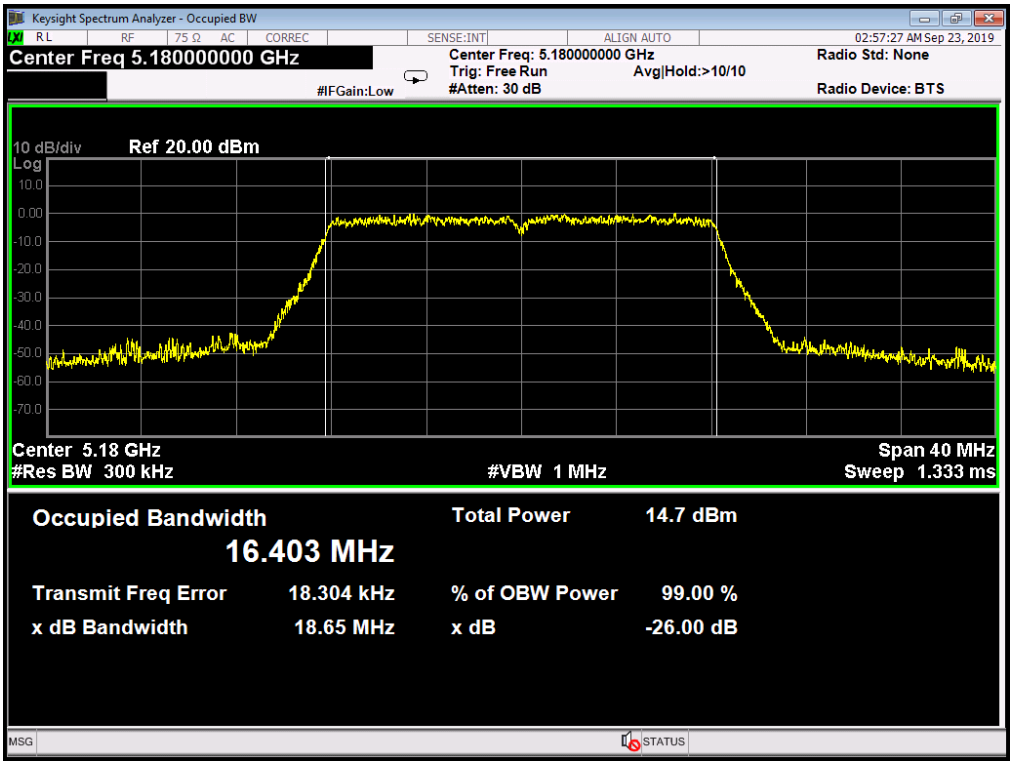


Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11a Mode (U-NII-1) Antenna B		

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
36	5180	18.65	16.403
40	5200	18.54	16.412
48	5240	18.61	16.394

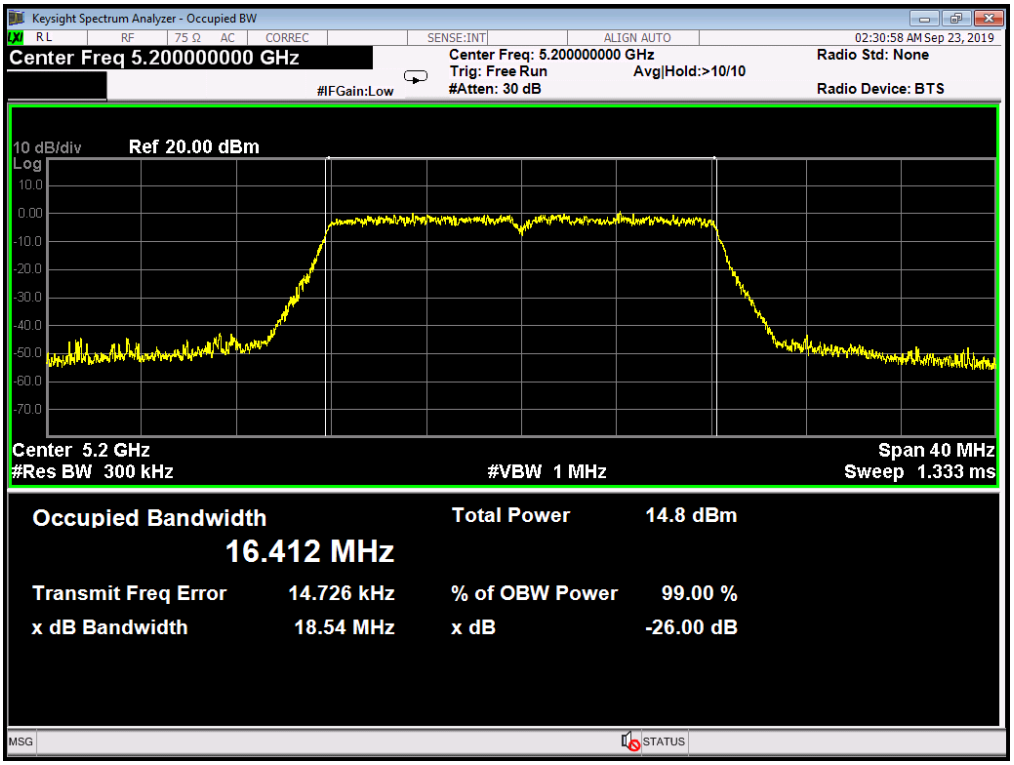
802.11a Mode

5180 MHz



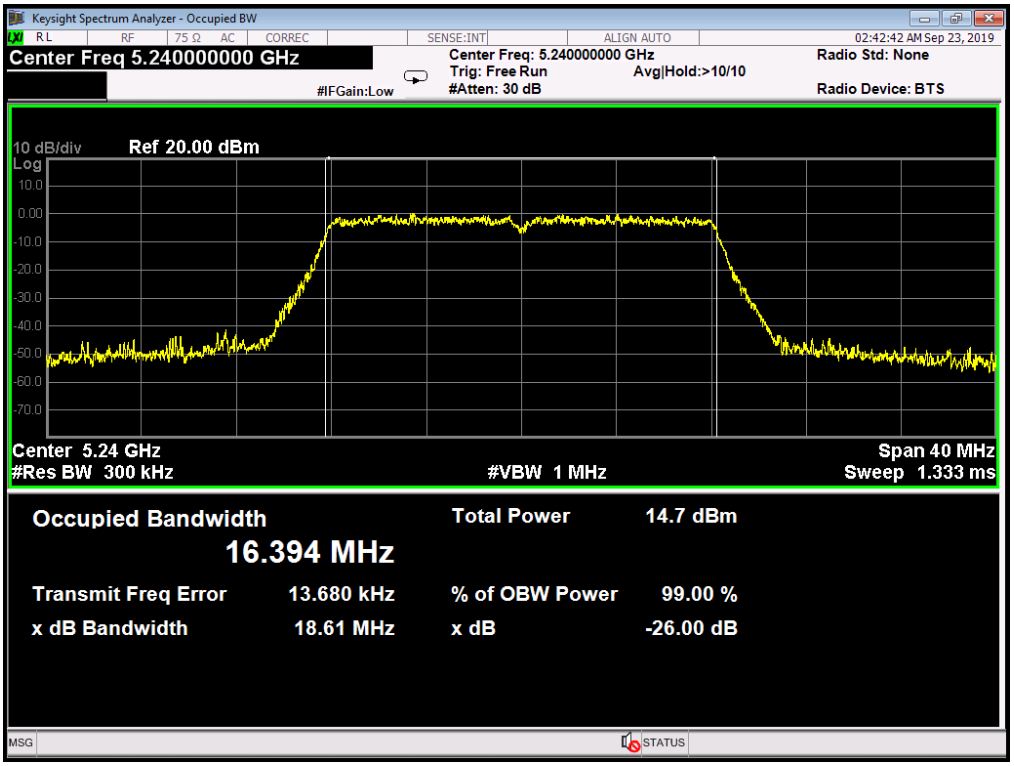
802.11a Mode

5200 MHz



802.11a Mode

5240 MHz

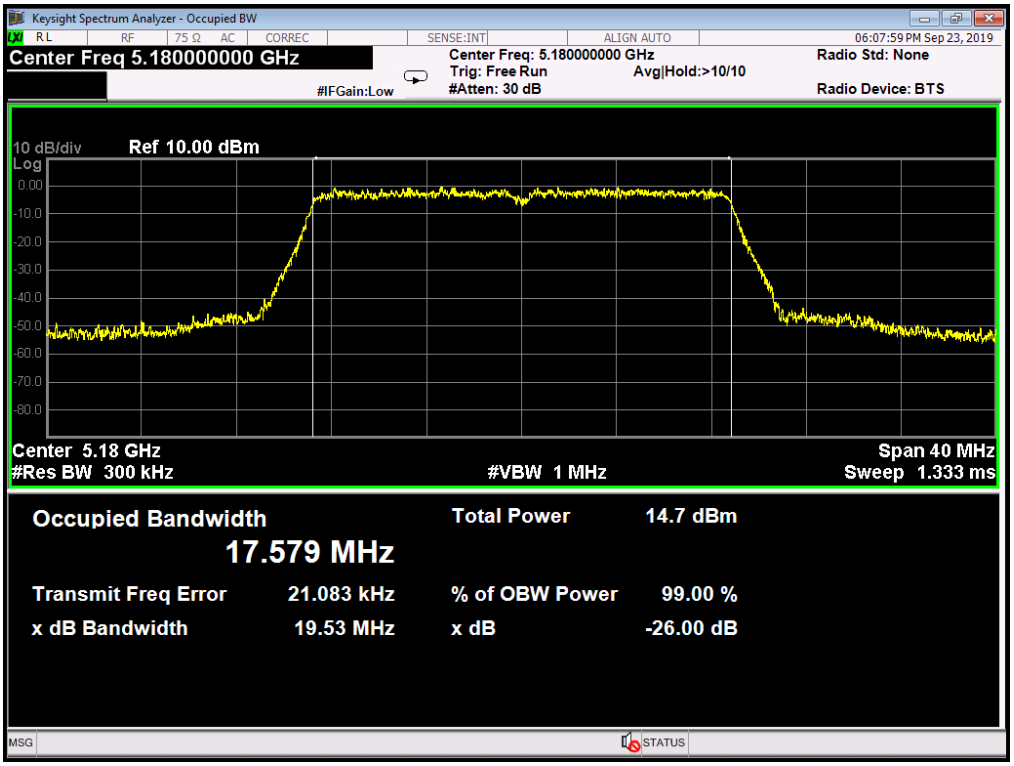


Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11n(HT20) Mode (U-NII-1) Antenna A		

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
36	5180	19.53	17.579
40	5200	19.52	17.578
48	5240	19.53	17.590

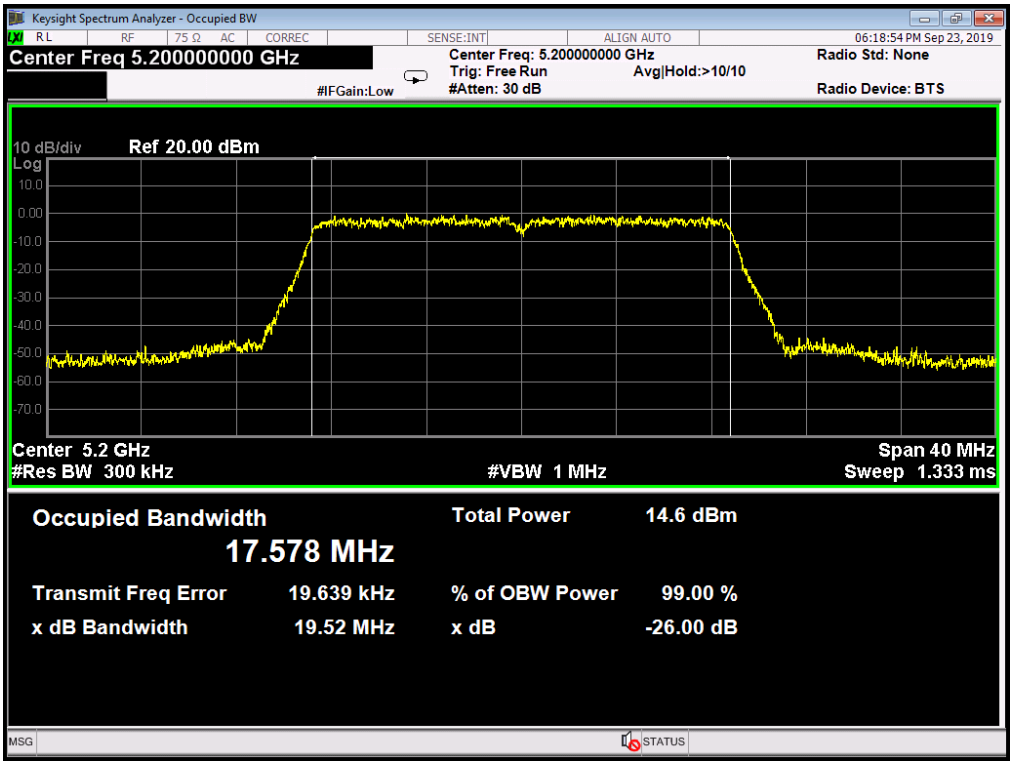
802.11n(HT20) Mode

5180 MHz



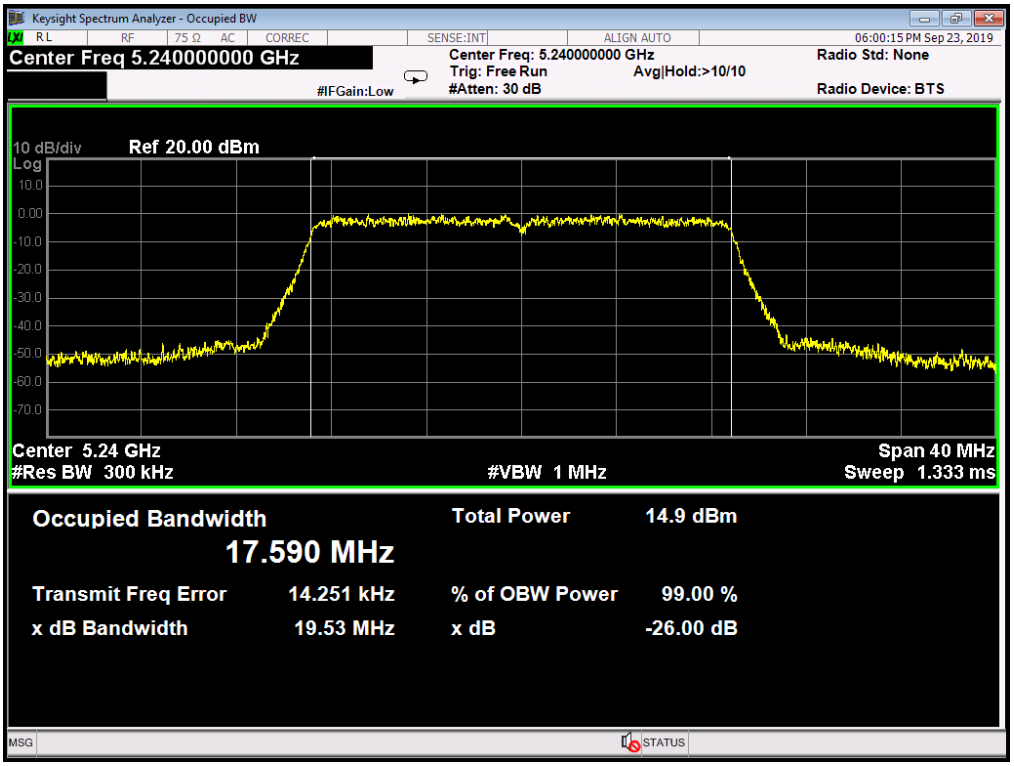
802.11n(HT20) Mode

5200 MHz



802.11n(HT20) Mode

5240 MHz

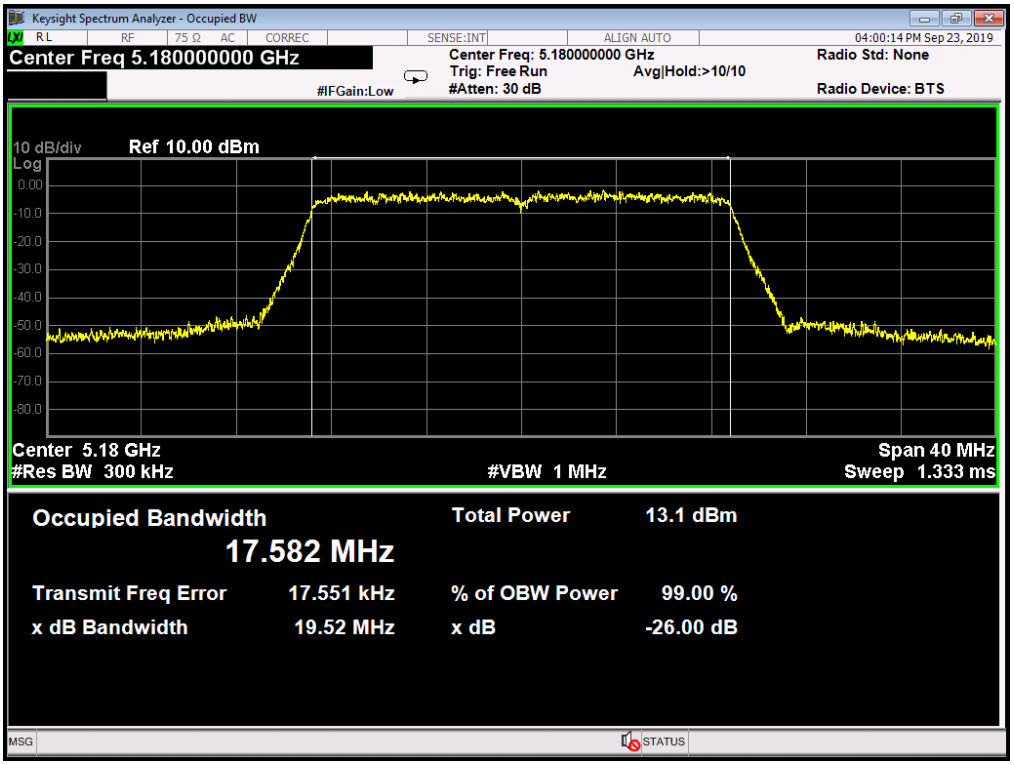


Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11n(HT20) Mode (U-NII-1) Antenna B		

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
36	5180	19.52	17.582
40	5200	19.42	17.586
48	5240	19.53	17.579

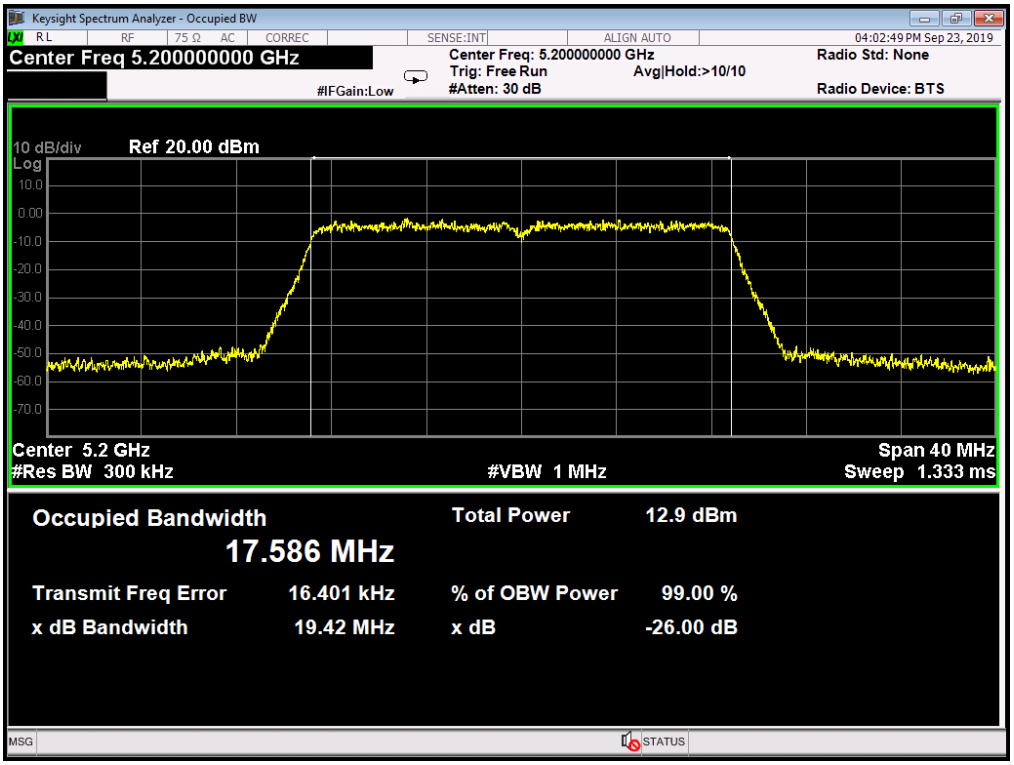
802.11n(HT20) Mode

5180 MHz



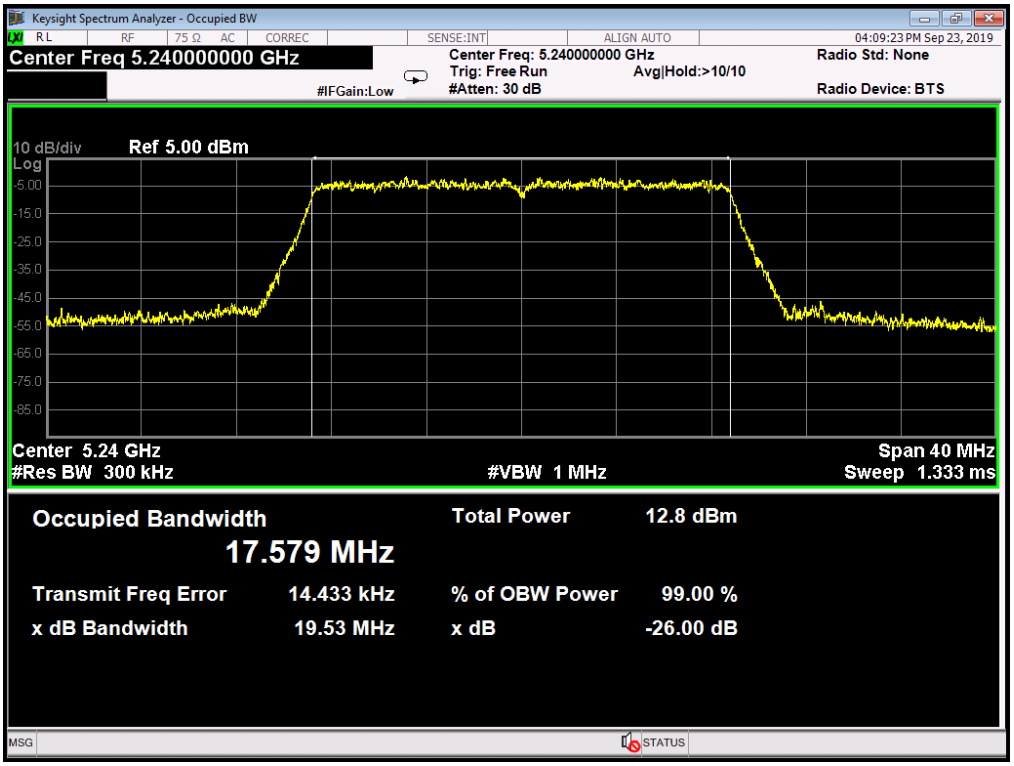
802.11n(HT20) Mode

5200 MHz



802.11n(HT20) Mode

5240 MHz

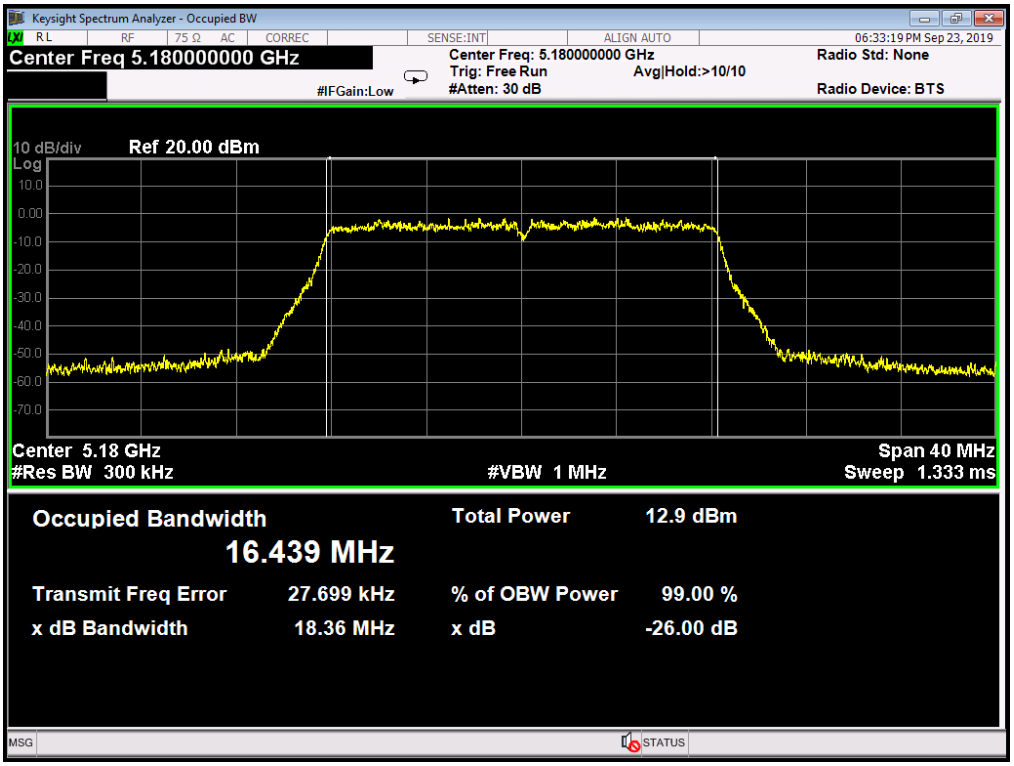


Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11ac(VHT20) Mode (U-NII-1) Antenna A		

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
36	5180	18.36	16.439
40	5200	18.46	16.445
48	5240	18.49	16.445

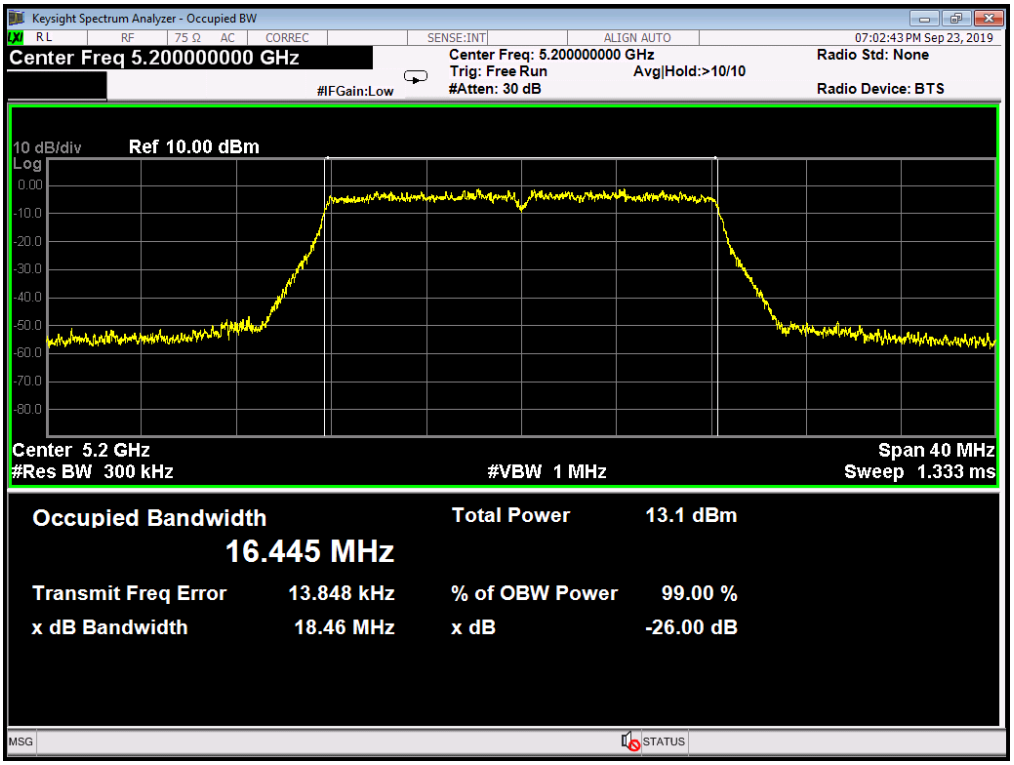
802.11ac(VHT20) Mode

5180 MHz



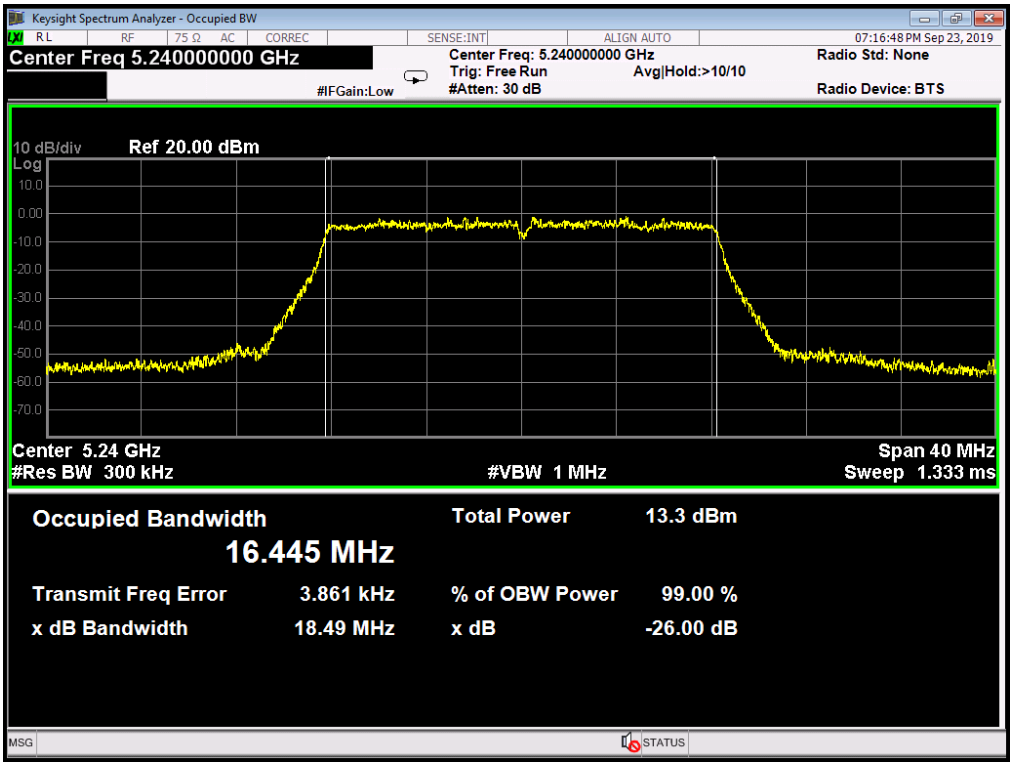
802.11ac(VHT20) Mode

5200 MHz



802.11ac(VHT20) Mode

5240 MHz

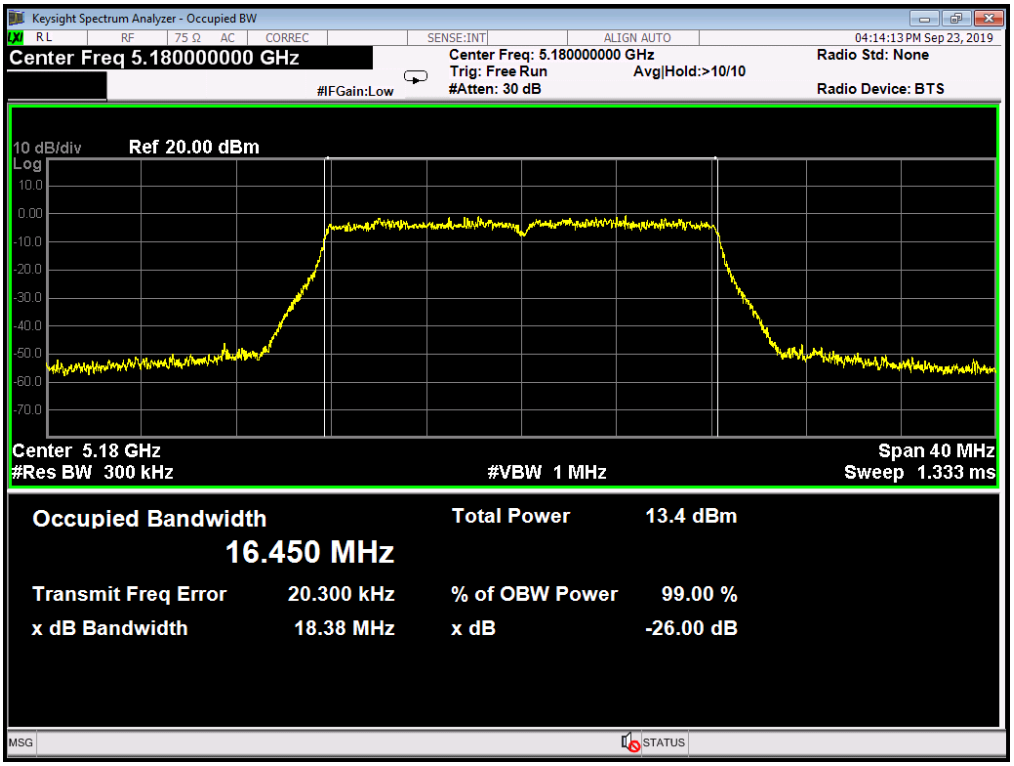


Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11ac(VHT20) Mode (U-NII-1) Antenna B		

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
36	5180	18.38	16.450
40	5200	18.45	16.463
48	5240	18.41	16.452

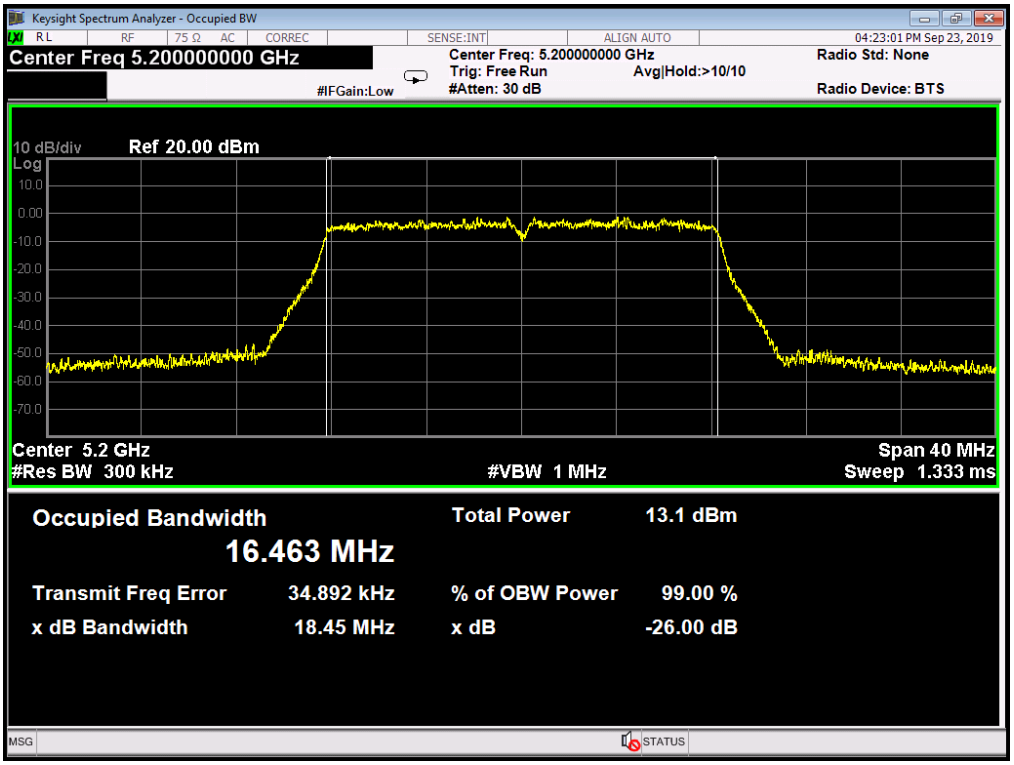
802.11ac(VHT20) Mode

5180 MHz



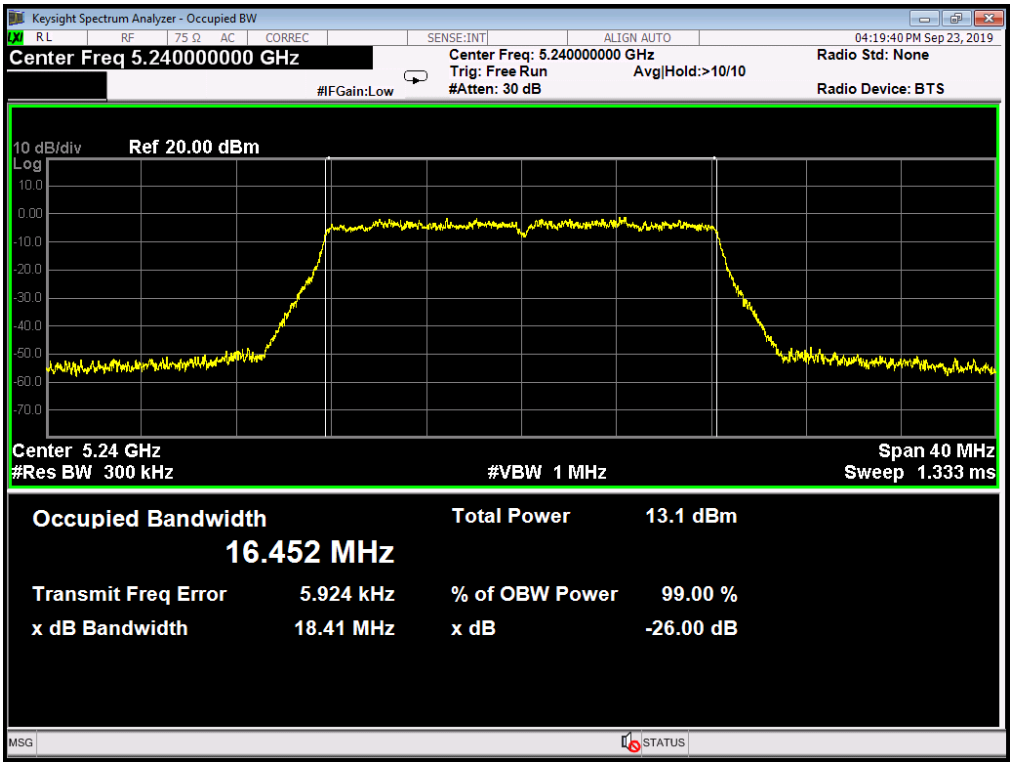
802.11ac(VHT20) Mode

5200 MHz



802.11ac(VHT20) Mode

5240 MHz

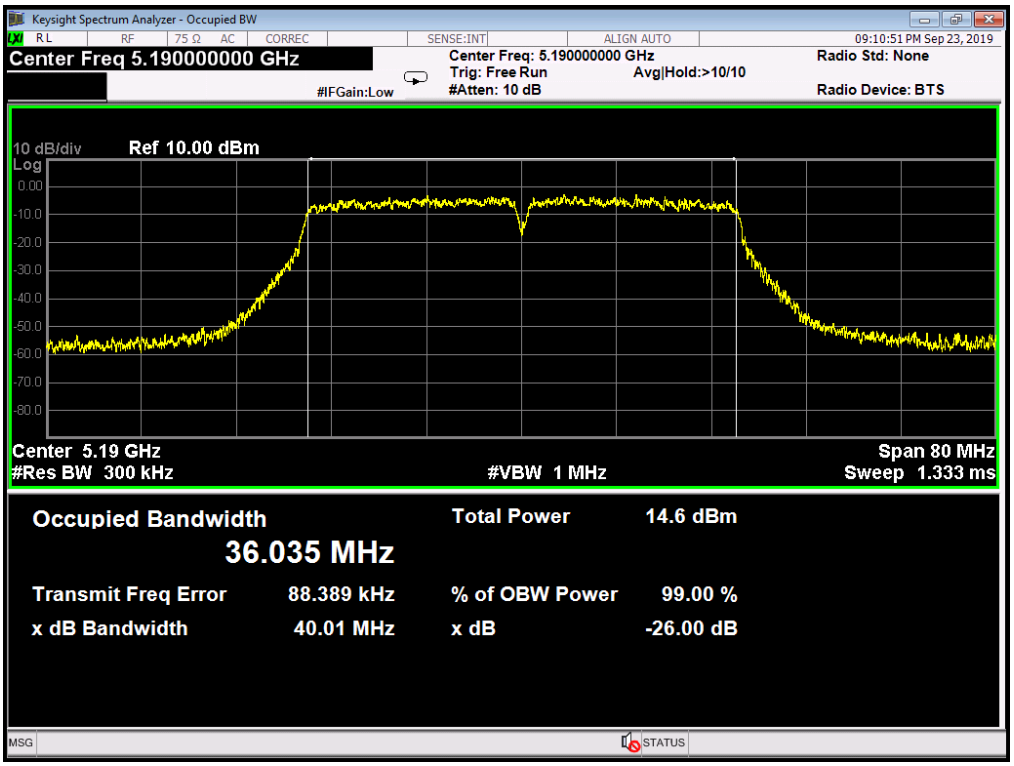


Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11N(HT40) Mode (U-NII-1) Antenna A		

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
38	5190	40.01	36.035
46	5230	40.23	35.991

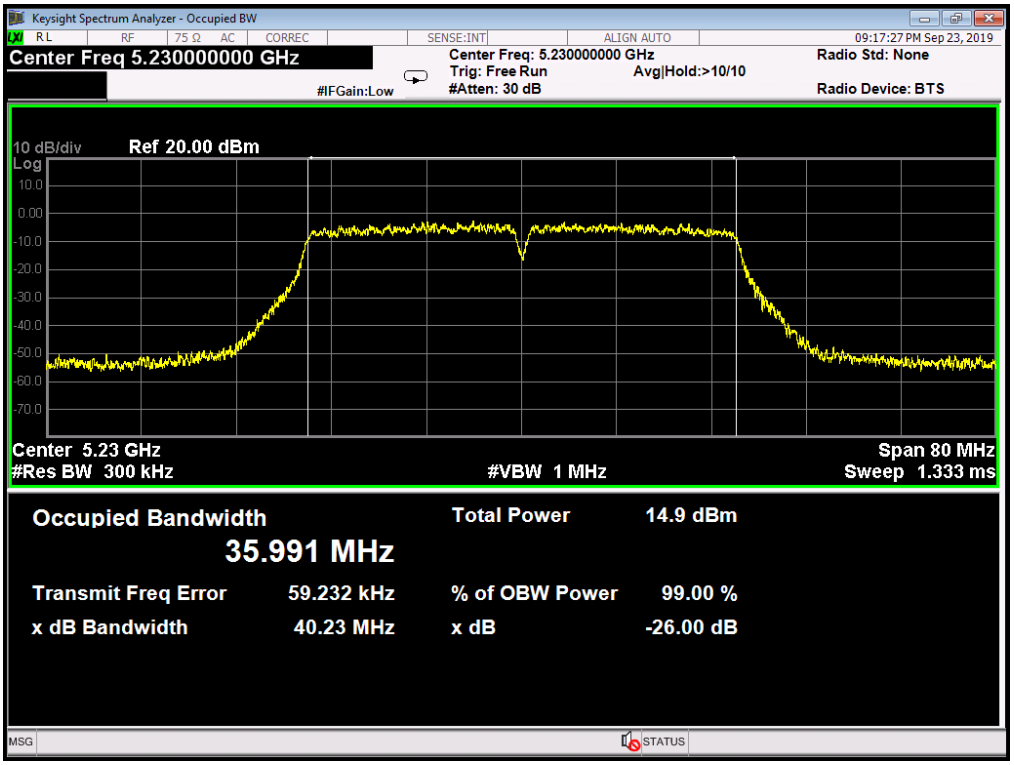
802.11N(HT40) Mode

5190 MHz



802.11N(HT40) Mode

5230 MHz

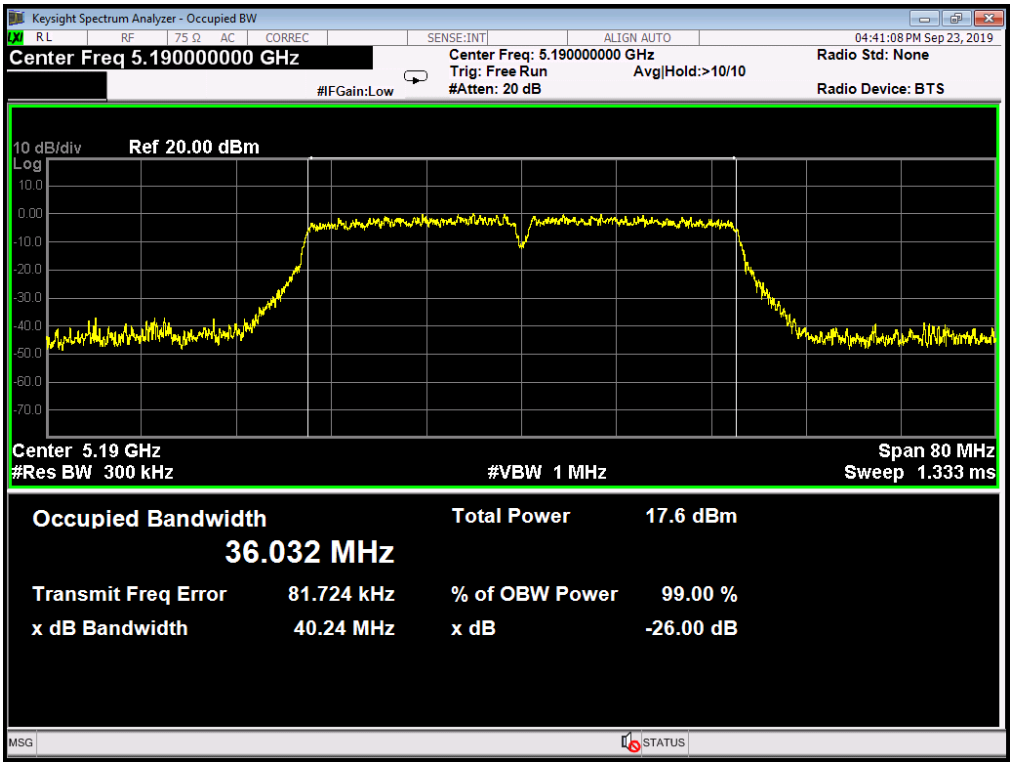


Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11N(HT40) Mode (U-NII-1) Antenna B		

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
38	5190	40.24	36.032
46	5230	40.66	36.012

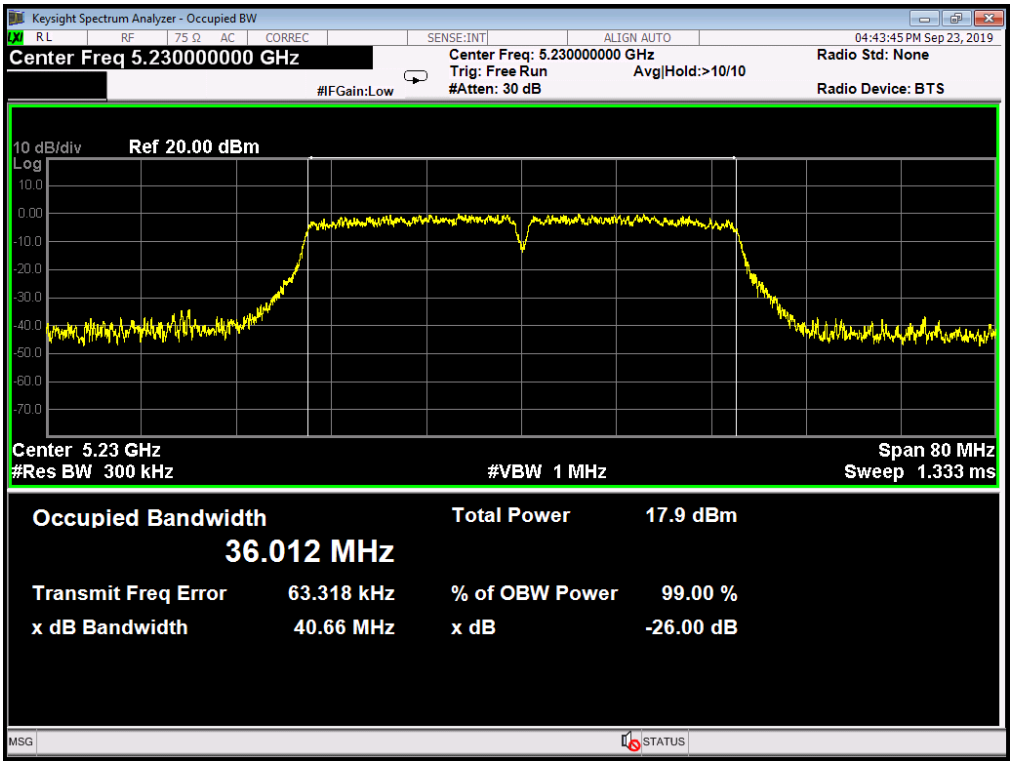
802.11N(HT40) Mode

5190 MHz



802.11N(HT40) Mode

5230 MHz

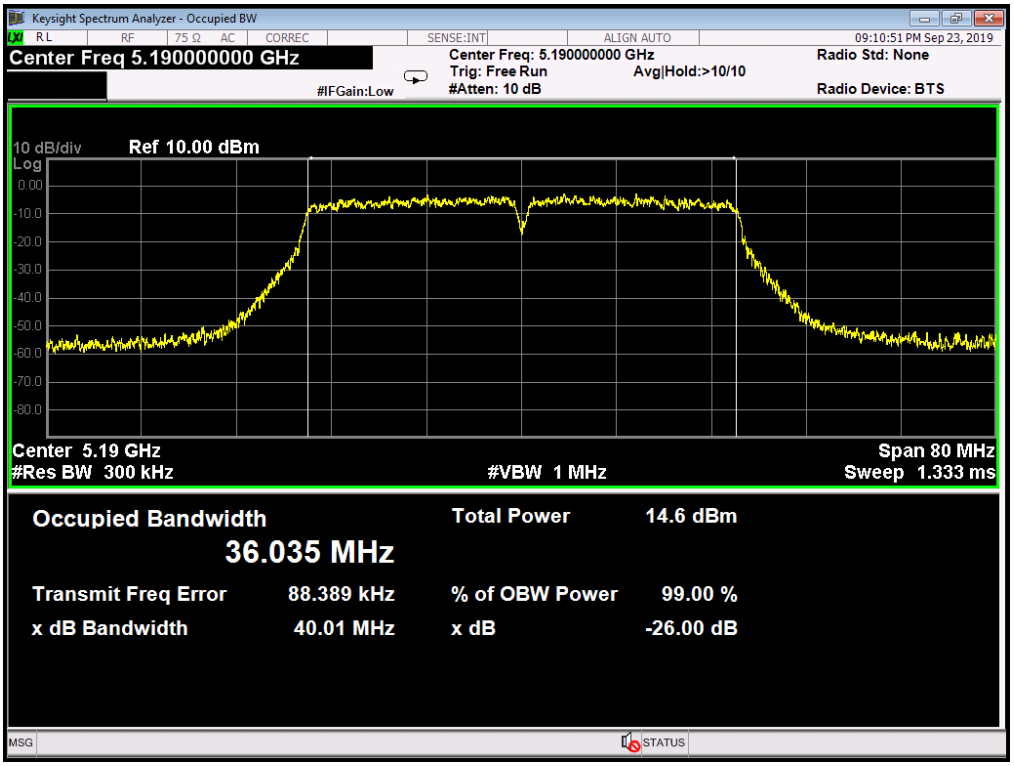


Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11ac(VHT40) Mode (U-NII-1) Antenna A		

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
38	5190	40.01	36.035
46	5230	40.23	35.991

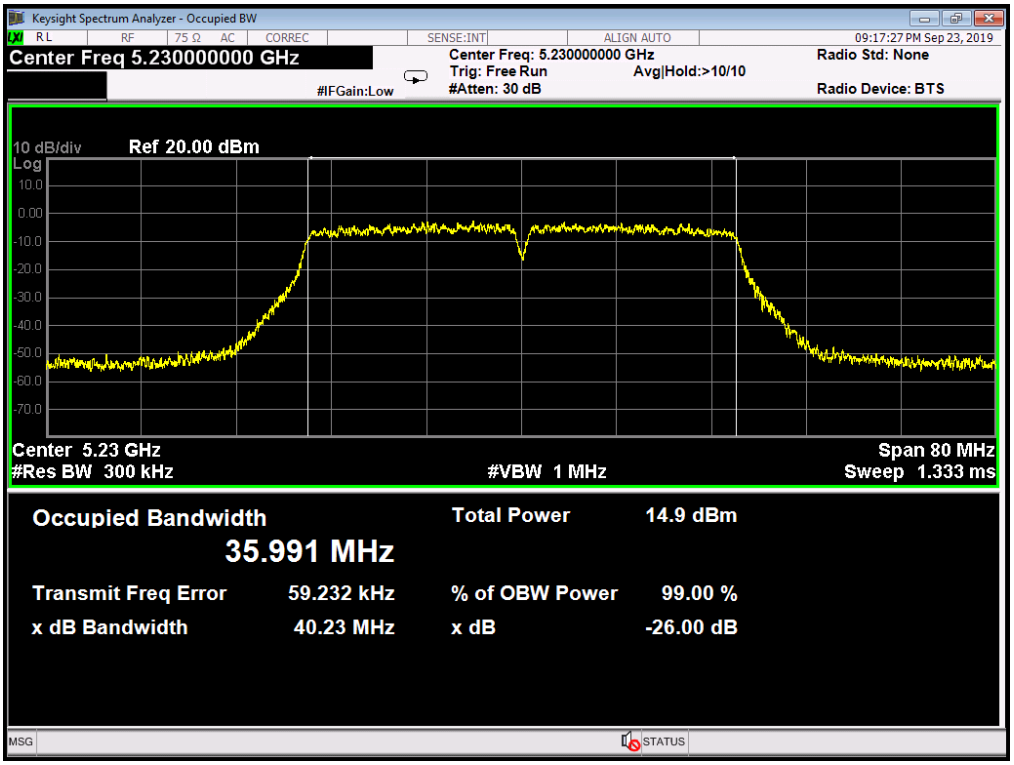
802.11ac(VHT40) Mode

5190 MHz



802.11ac(VHT40) Mode

5230 MHz

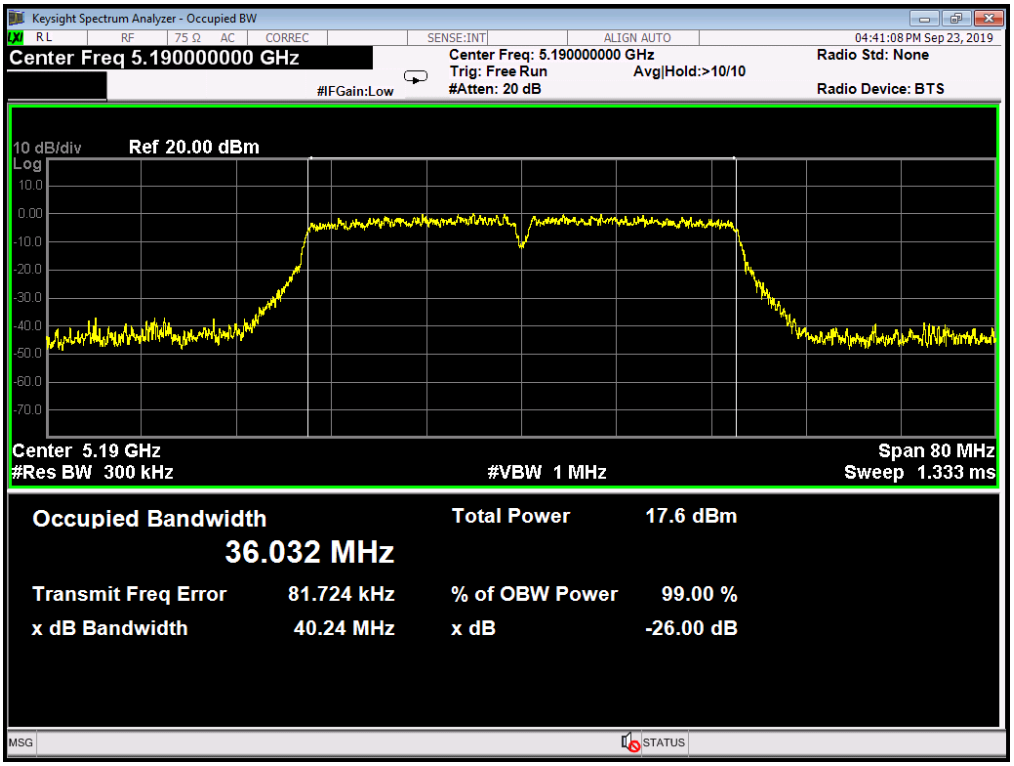


Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11ac(VHT40) Mode (U-NII-1) Antenna B		

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
38	5190	40.24	36.032
46	5230	40.66	36.012

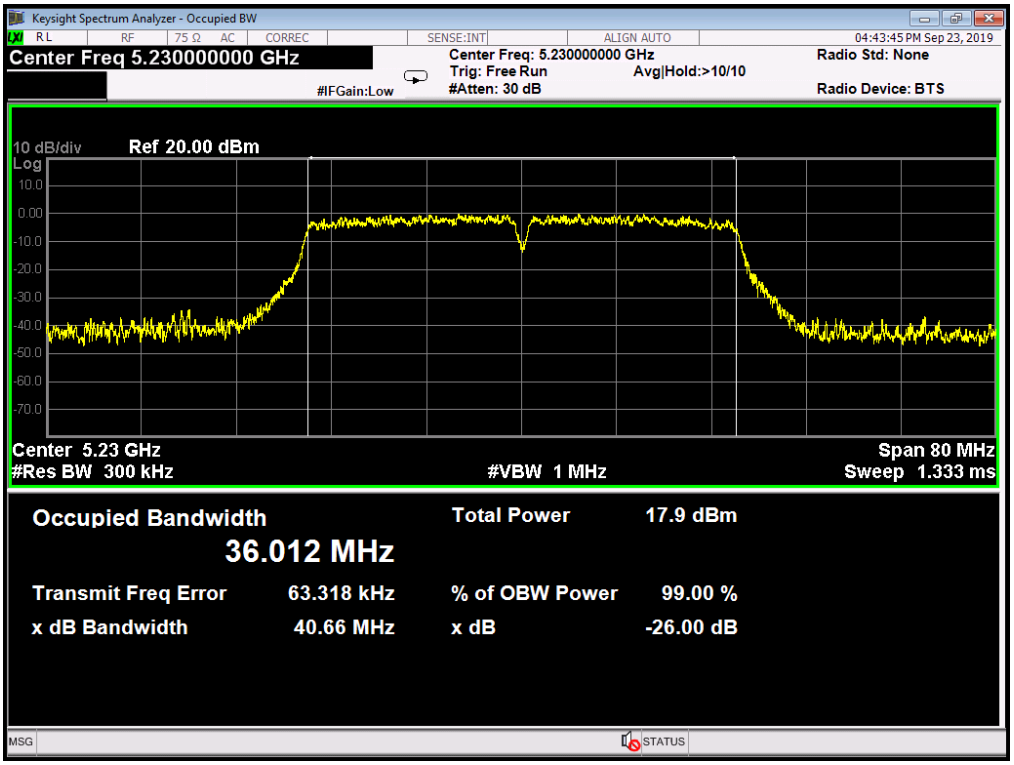
802.11ac(VHT40) Mode

5190 MHz



802.11ac(VHT40) Mode

5230 MHz

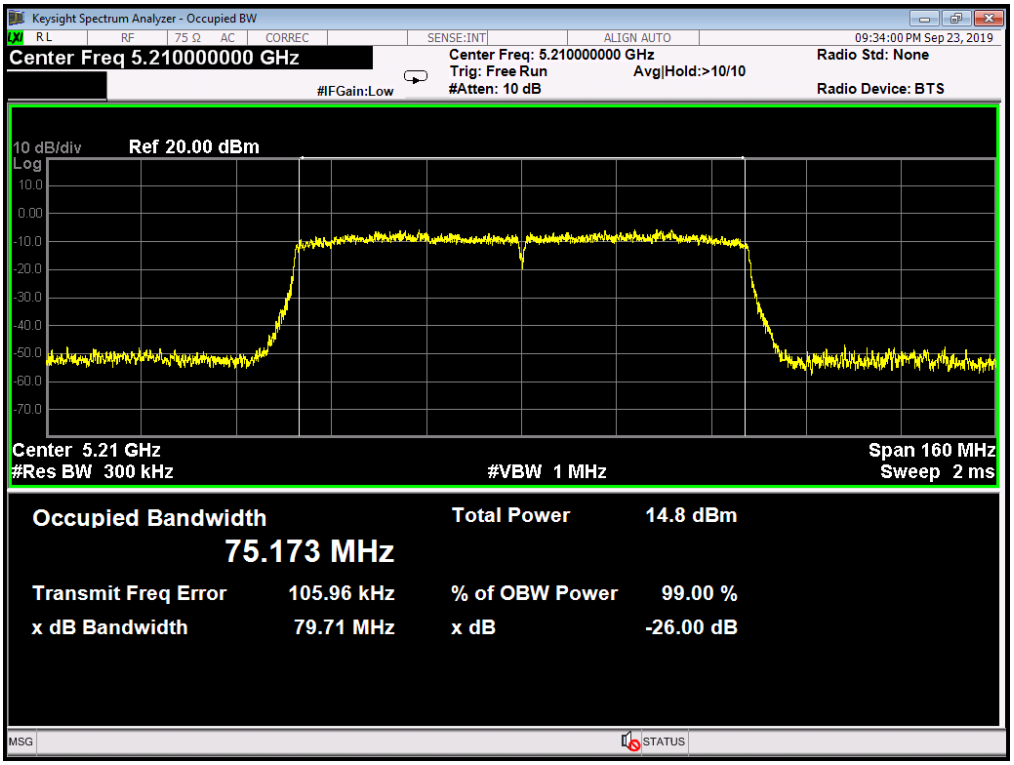


Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11ac(VHT80) Mode (U-NII-1) Antenna A		

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
42	5210	79.71	75.173

802.11ac(VHT80) Mode

5210 MHz

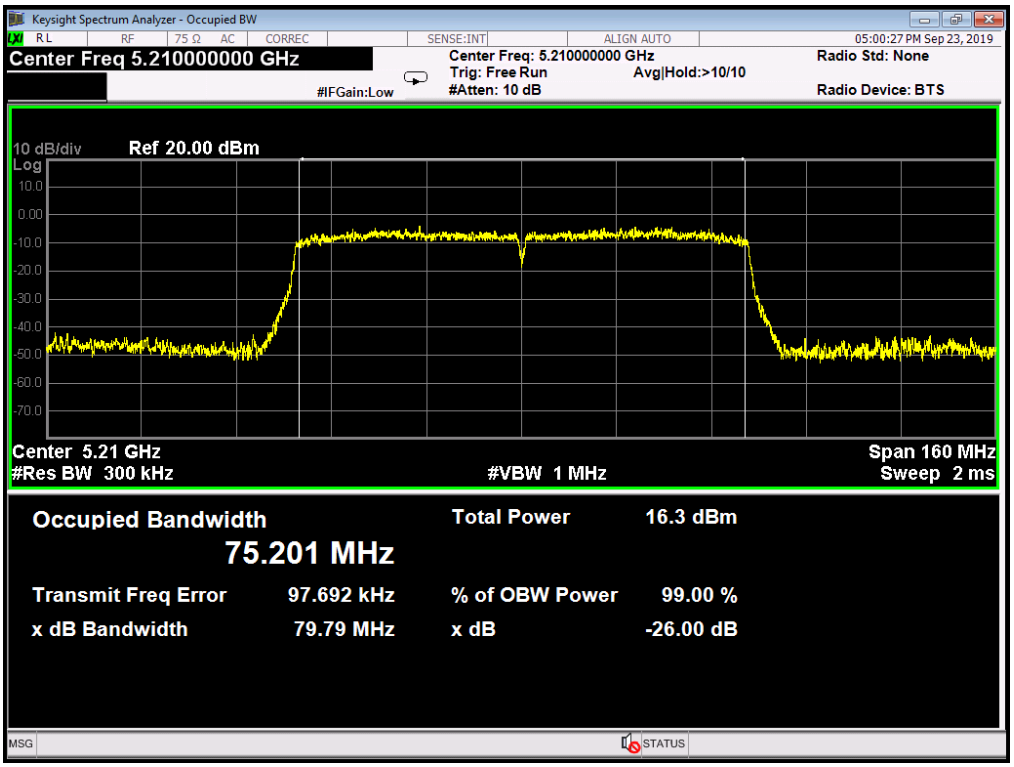


Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11ac(VHT80) Mode (U-NII-1) Antenna B		

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
42	5210	79.79	75.201

802.11ac(VHT80) Mode

5210 MHz

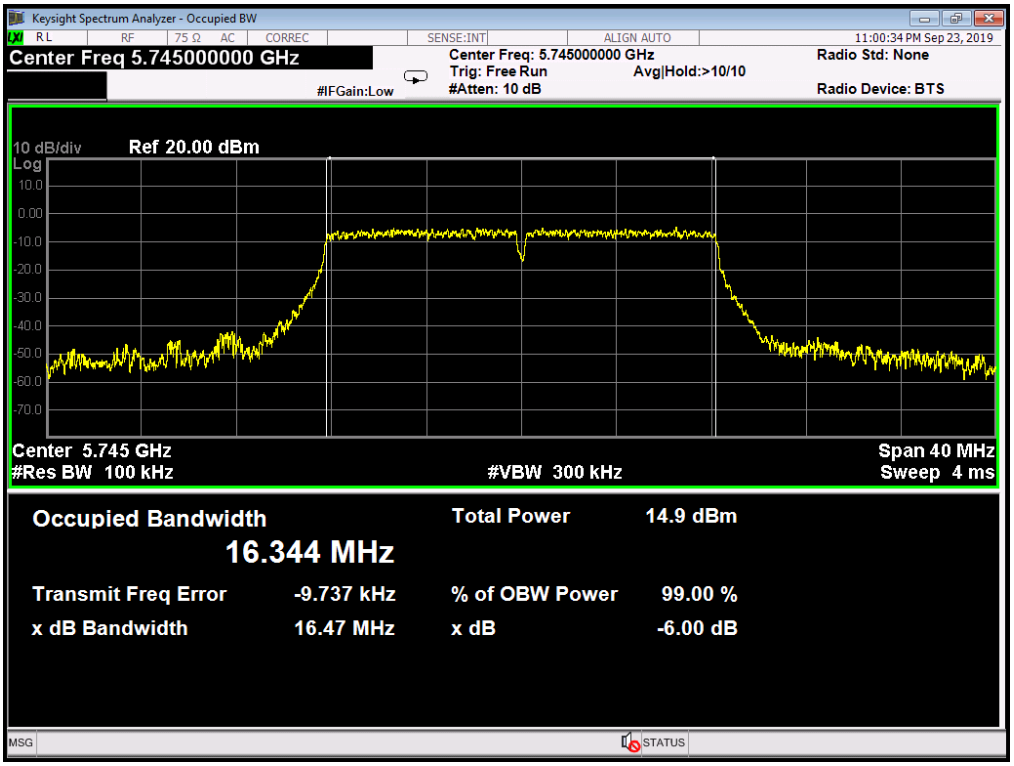


Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11a Mode (U-NII-3) Antenna A		

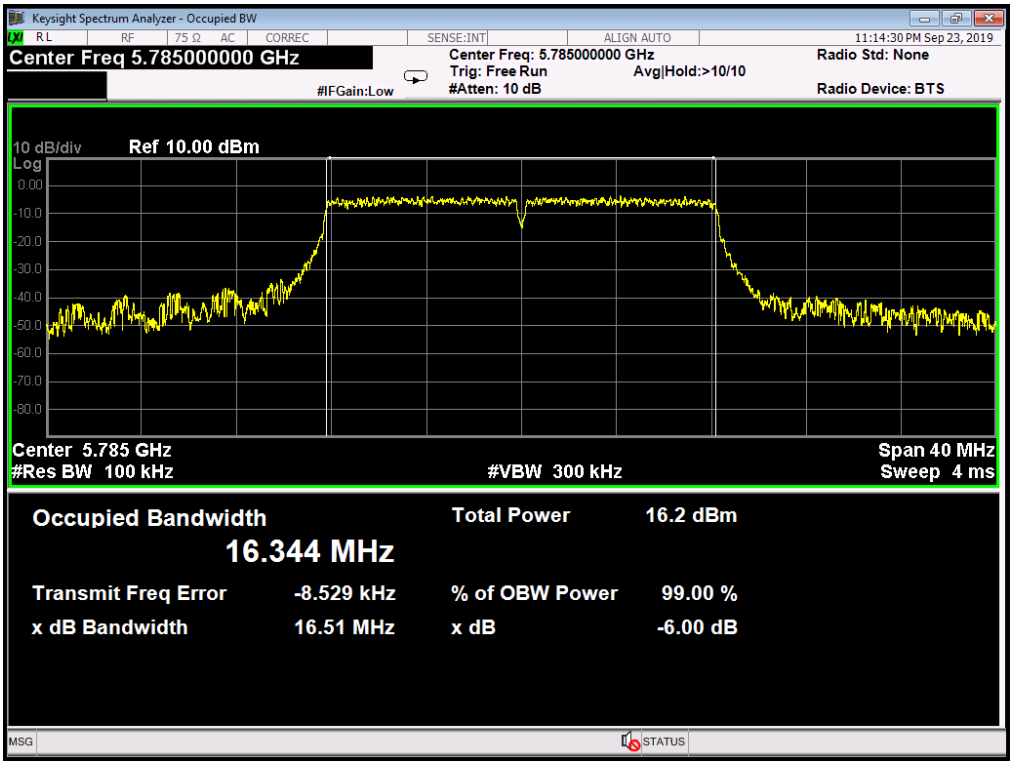
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
149	5745	16.47	16.344
157	5785	16.51	16.344
165	5825	16.52	16.358

802.11a Mode

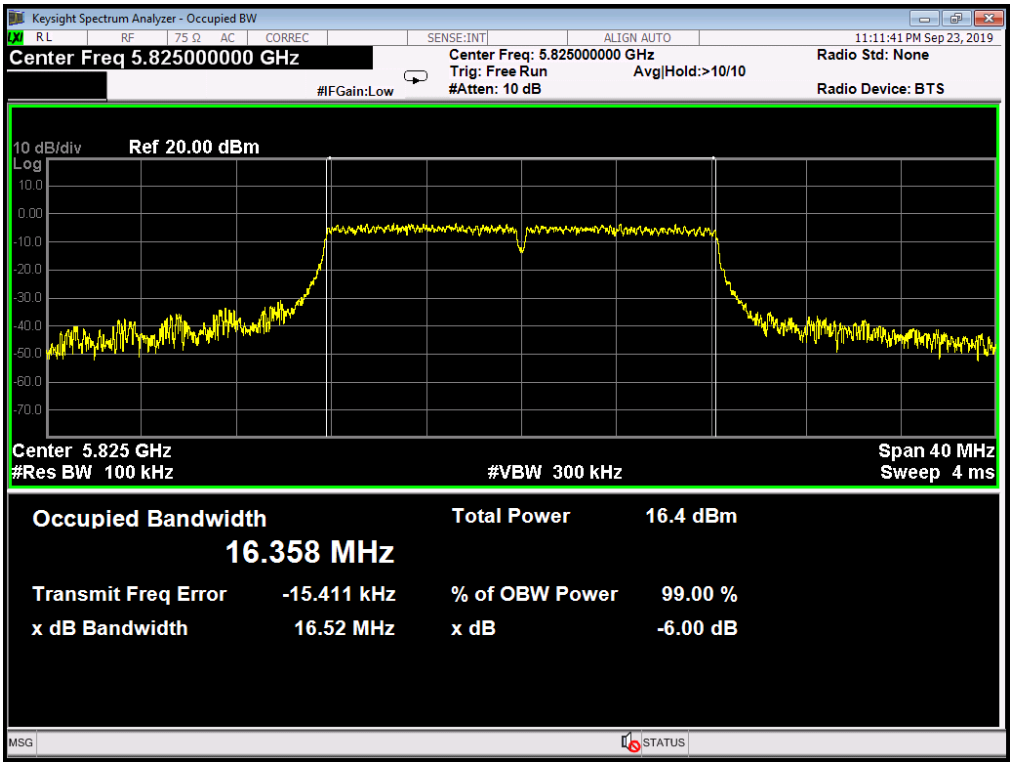
5745 MHz



802.11a Mode
5785 MHz



802.11a Mode
5825 MHz

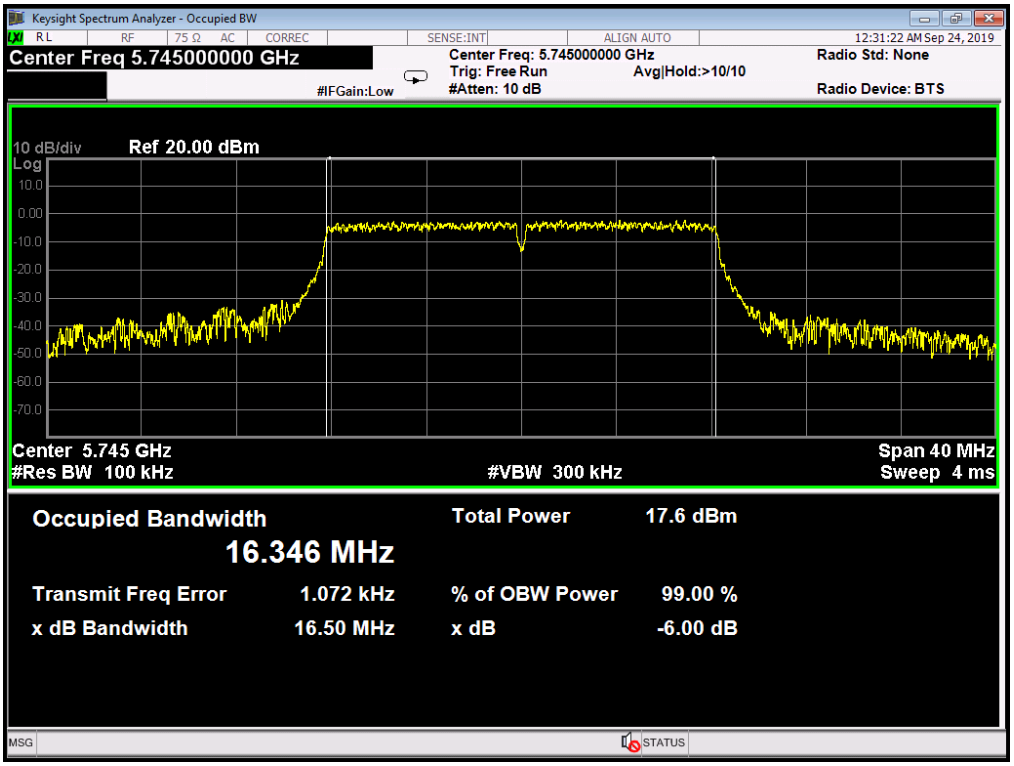


Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11a Mode (U-NII-3) Antenna B		

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
149	5745	16.50	16.346
157	5785	16.46	16.353
165	5825	16.47	16.339

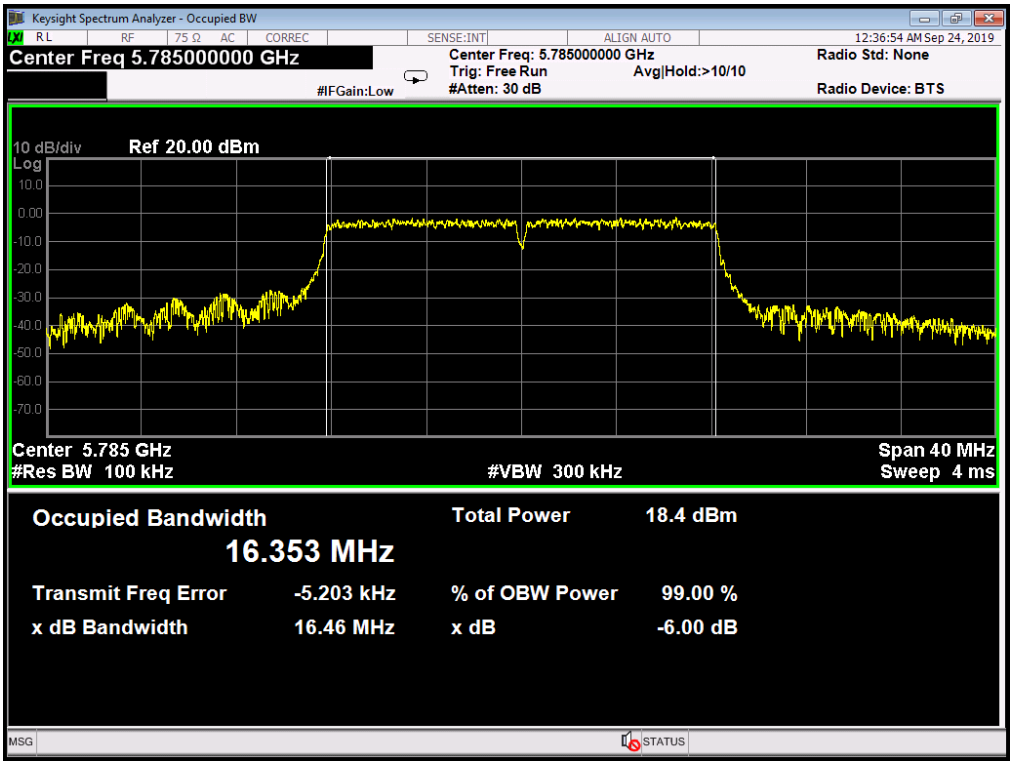
802.11a Mode

5745 MHz



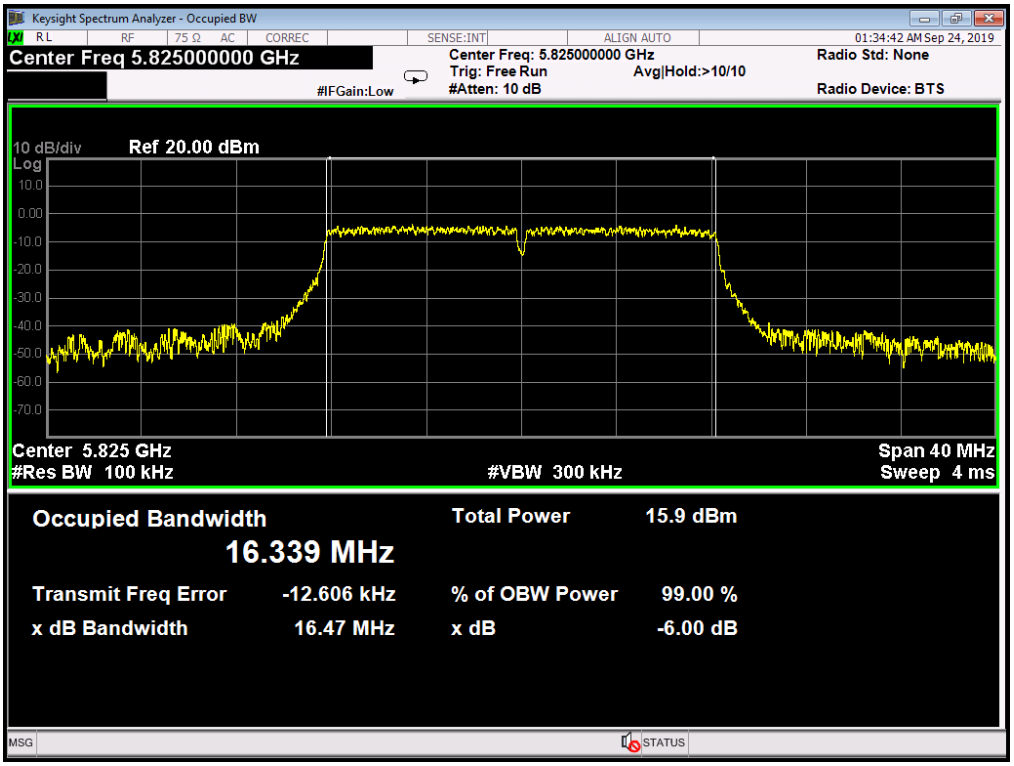
802.11a Mode

5785 MHz



802.11a Mode

5825 MHz

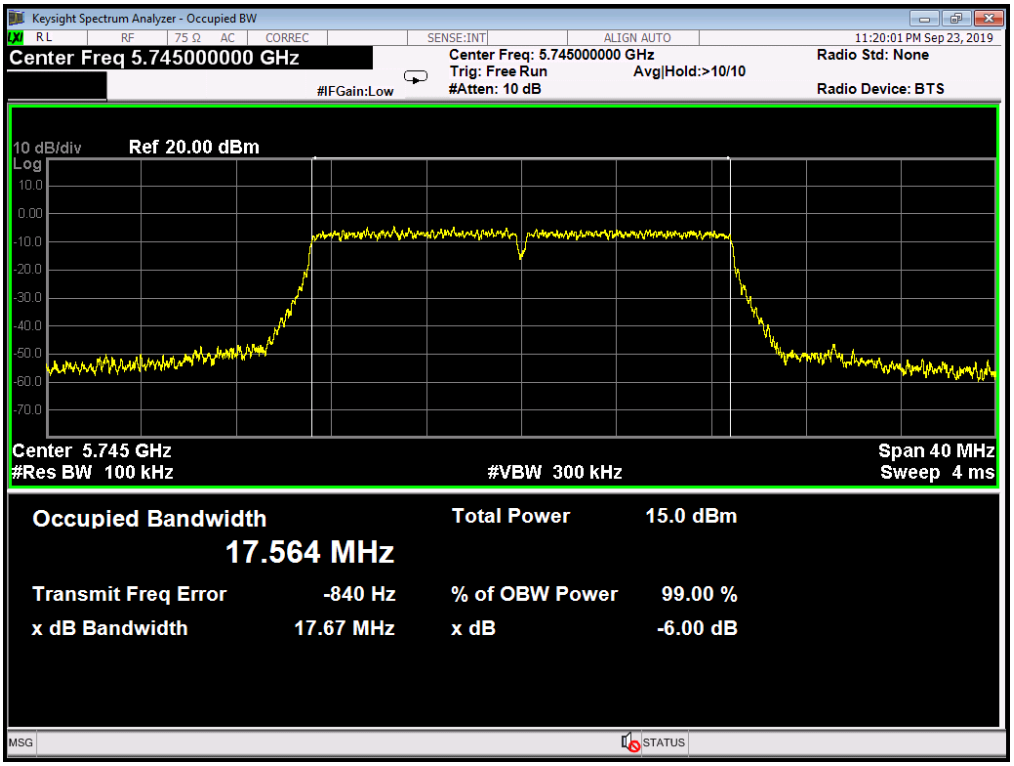


Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11n(HT20) Mode (U-NII-3) Antenna A		

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
149	5745	17.67	17.564
157	5785	17.68	17.568
165	5825	17.66	17.563

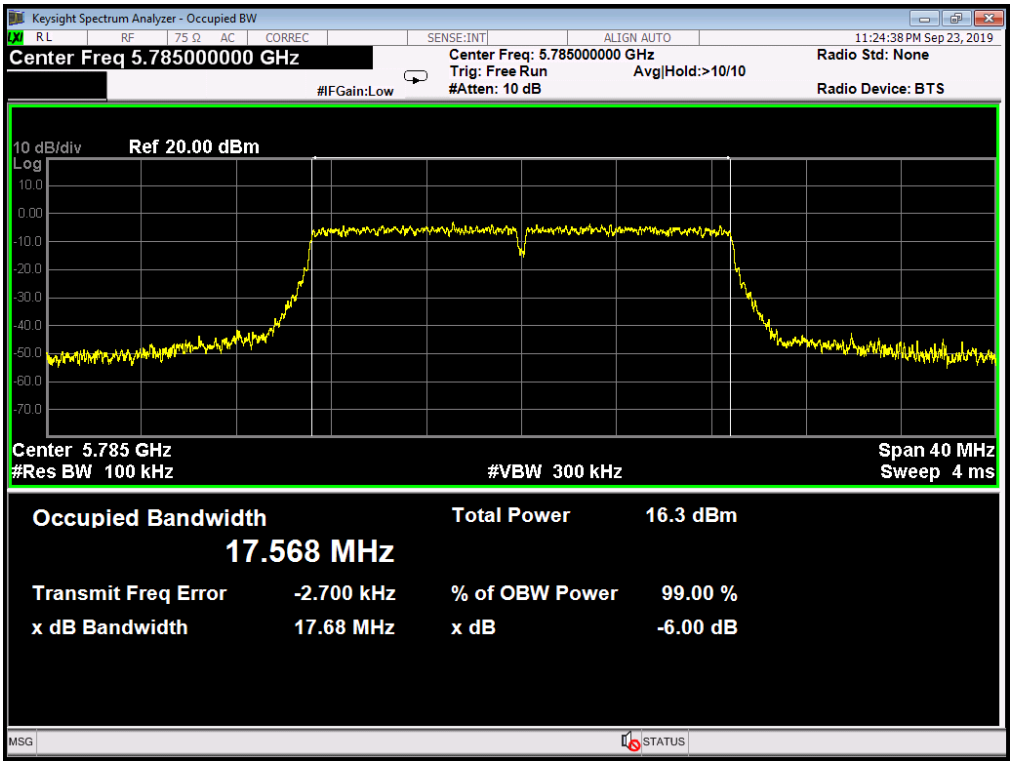
802.11n(HT20) Mode

5745 MHz



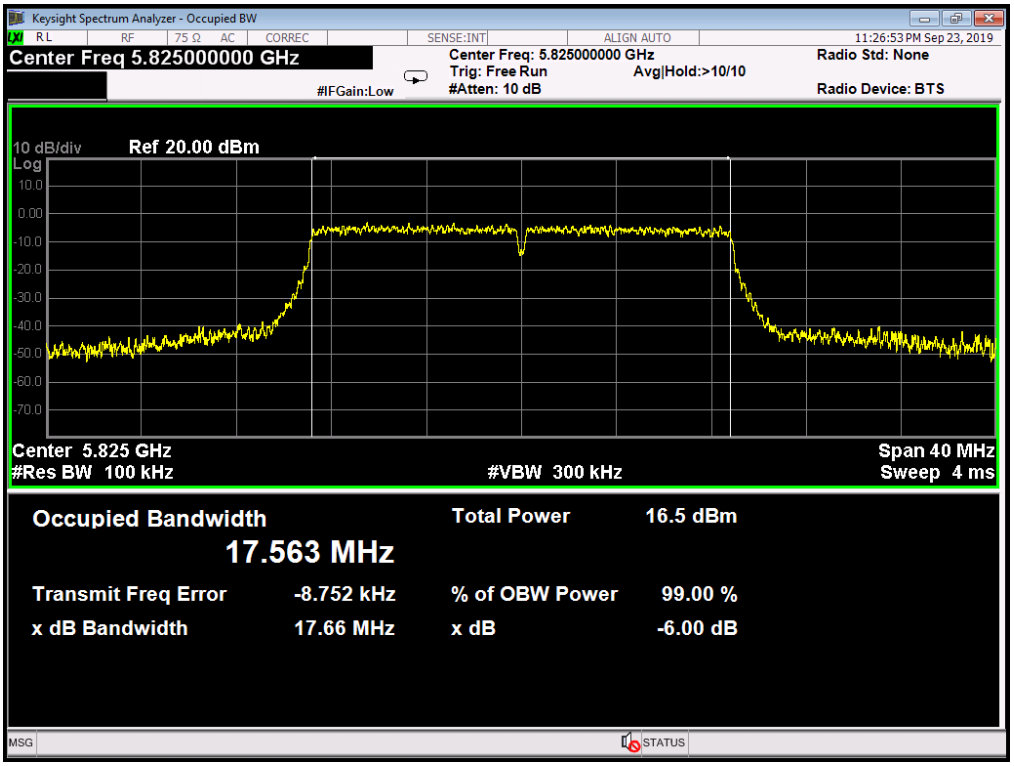
802.11n(HT20) Mode

5785 MHz



802.11n(HT20) Mode

5825 MHz

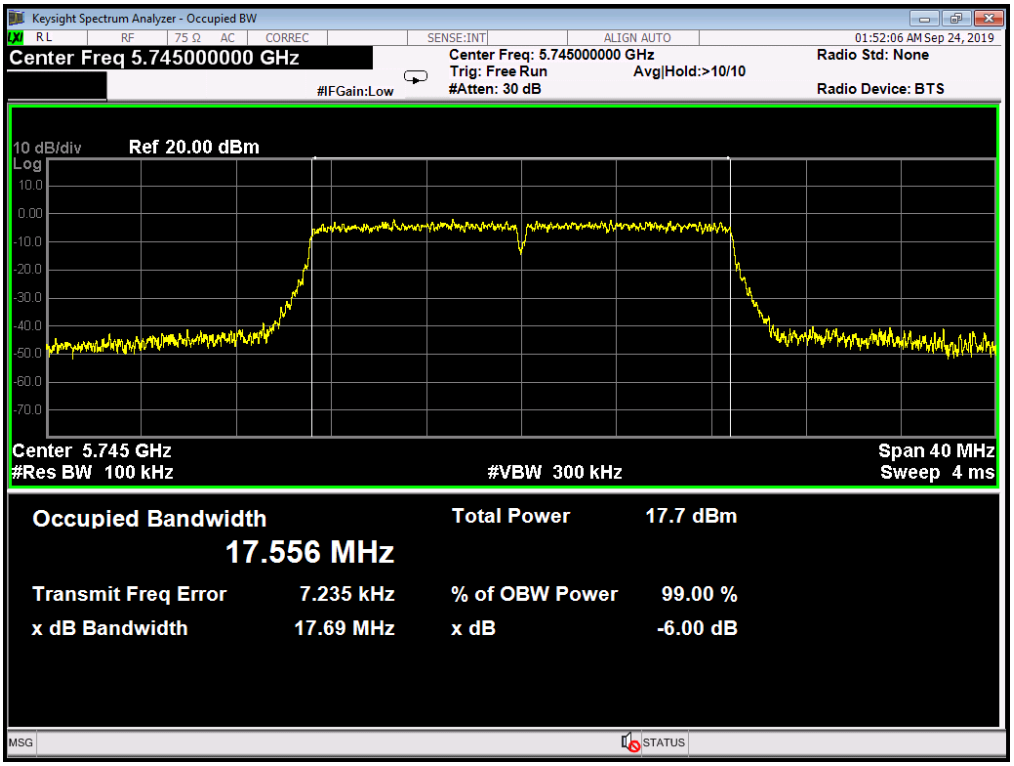


Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11n(HT20) Mode (U-NII-3) Antenna B		

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
149	5745	17.69	17.556
157	5785	17.65	17.563
165	5825	17.65	17.560

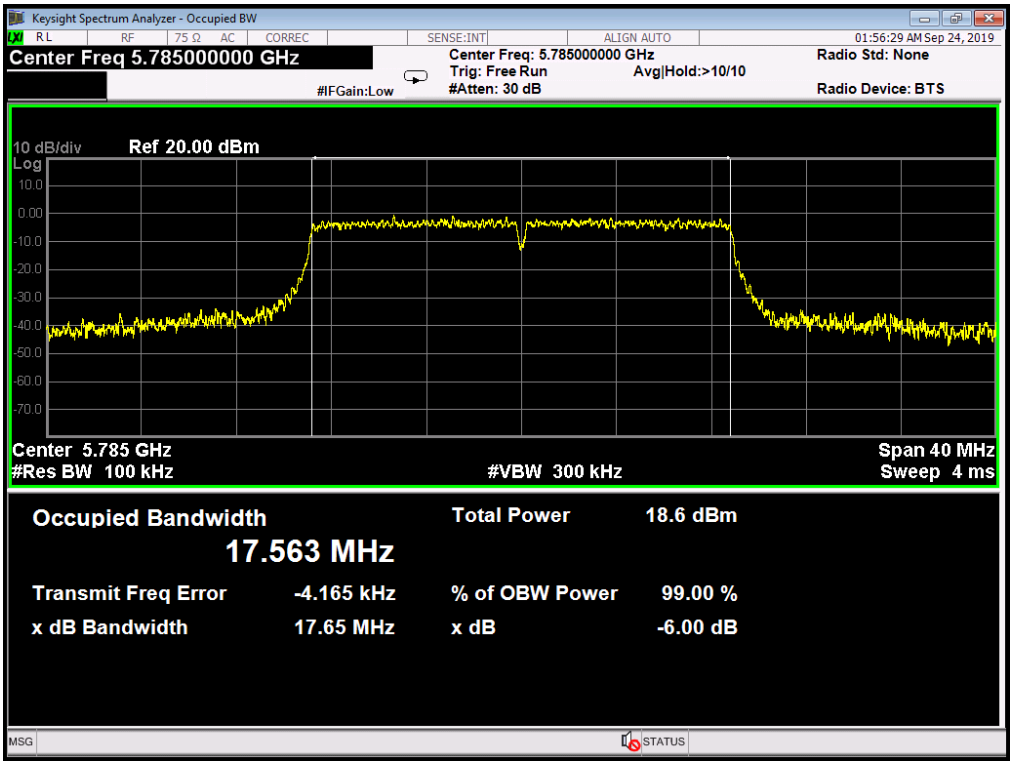
802.11n(HT20) Mode

5745 MHz



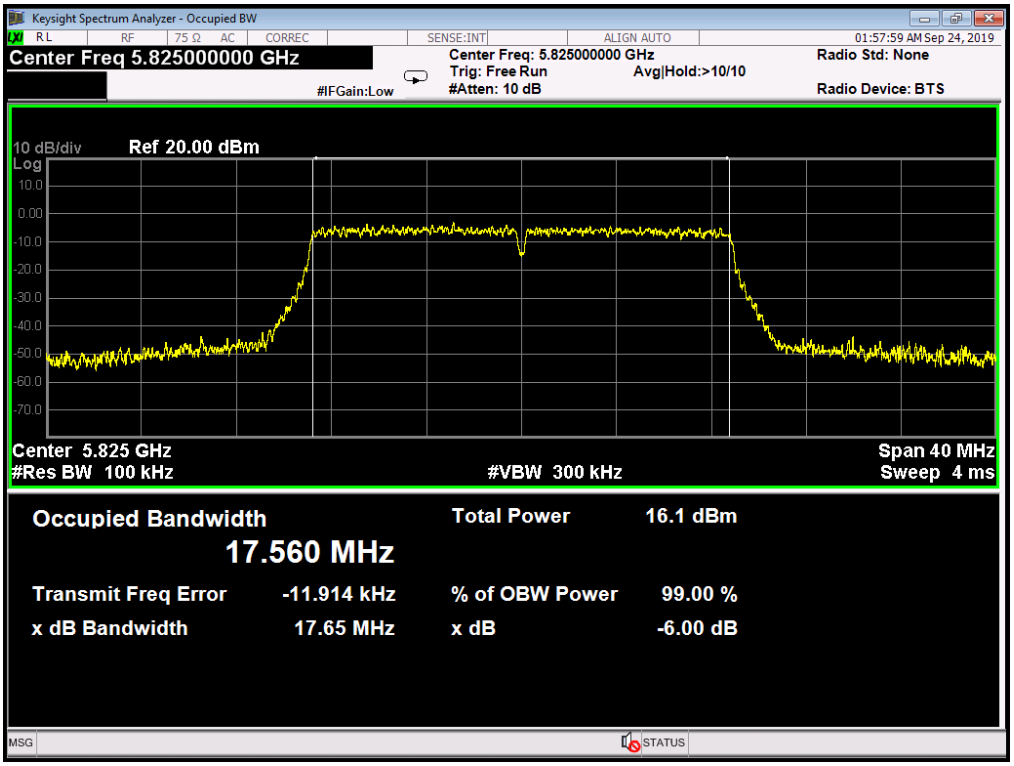
802.11n(HT20) Mode

5785 MHz



802.11n(HT20) Mode

5825 MHz

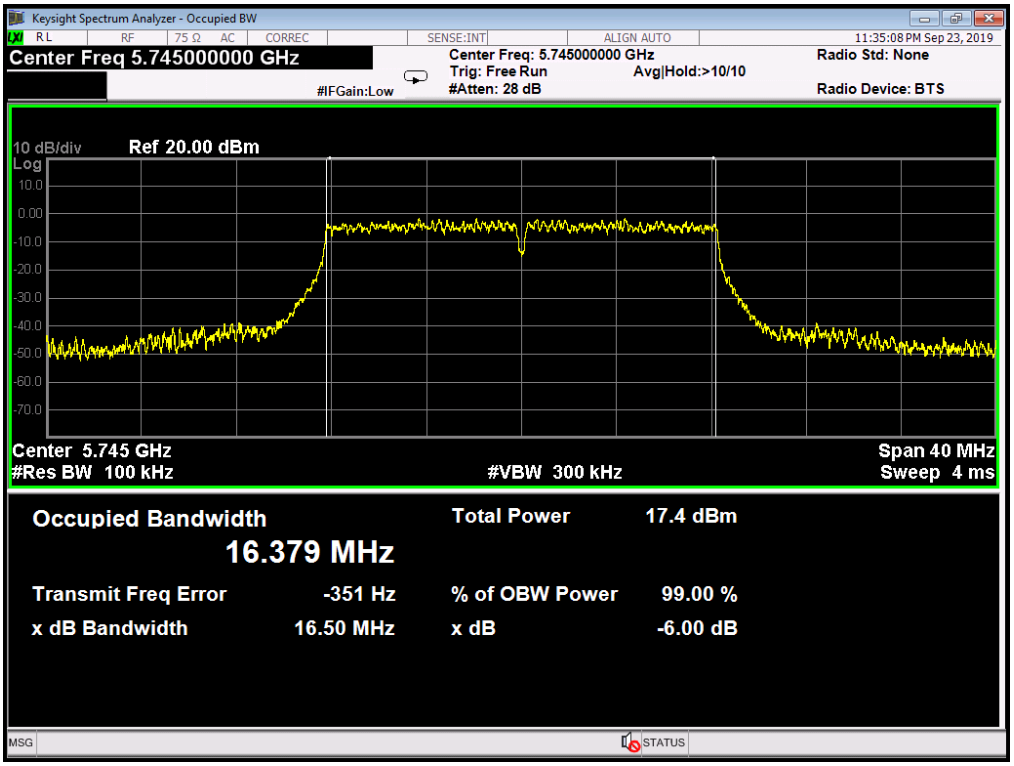


Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11ac(VHT20) Mode (U-NII-3) Antenna A		

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
149	5745	16.50	16.379
157	5785	16.46	16.374
165	5825	16.50	16.396

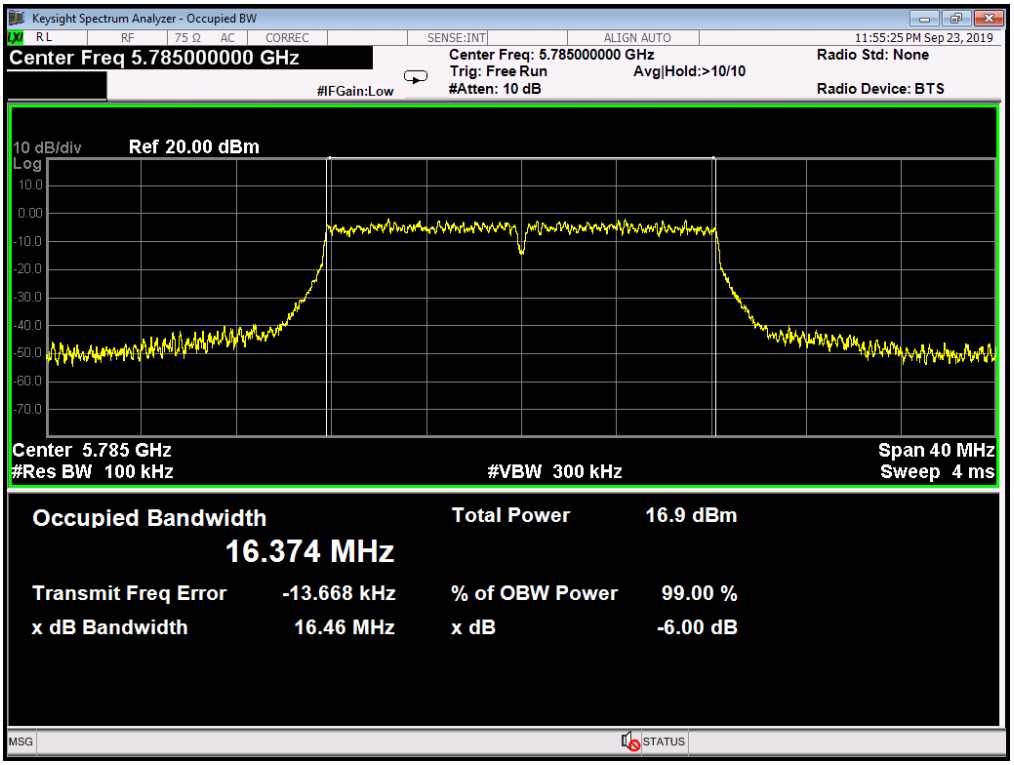
802.11ac(VHT20) Mode

5745 MHz



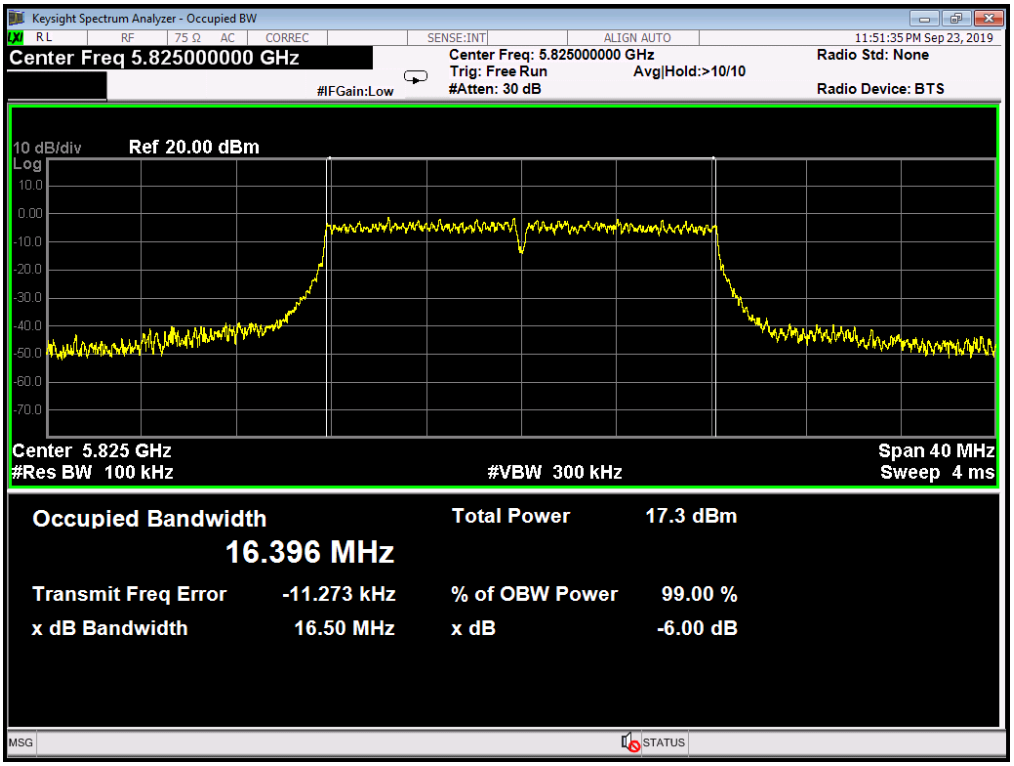
802.11ac(VHT20) Mode

5785 MHz



802.11ac(VHT20) Mode

5825 MHz

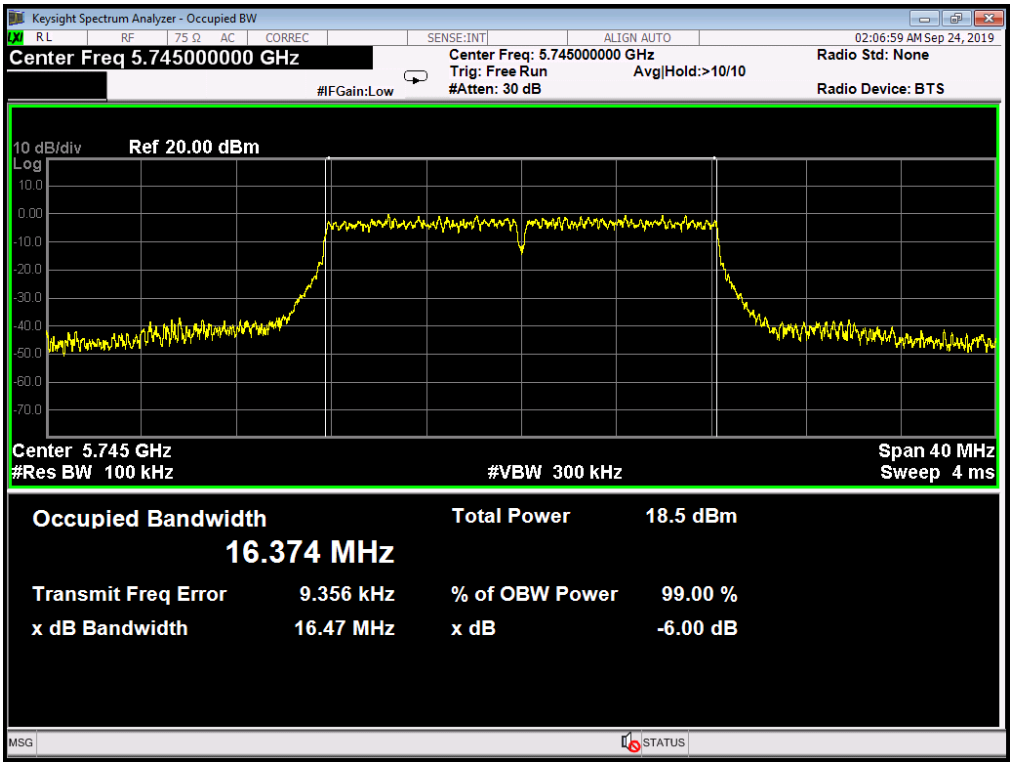


Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11ac(VHT20) Mode (U-NII-3) Antenna B		

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
149	5745	16.47	16.374
157	5785	16.50	16.368
165	5825	16.46	16.361

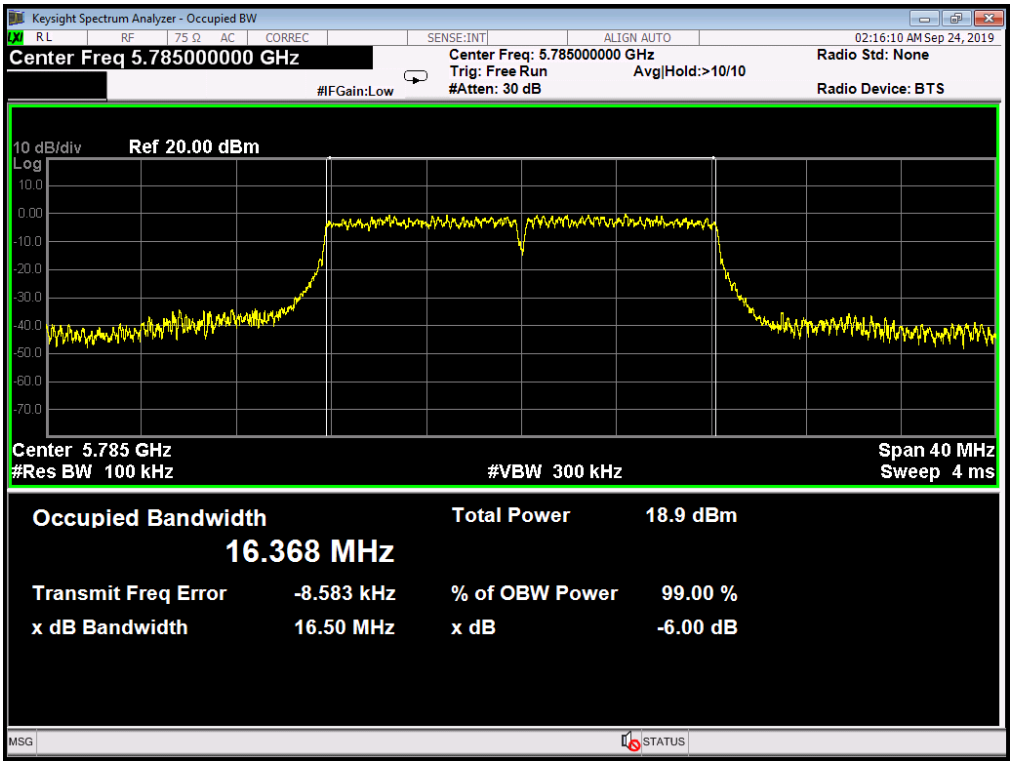
802.11ac(VHT20) Mode

5745 MHz



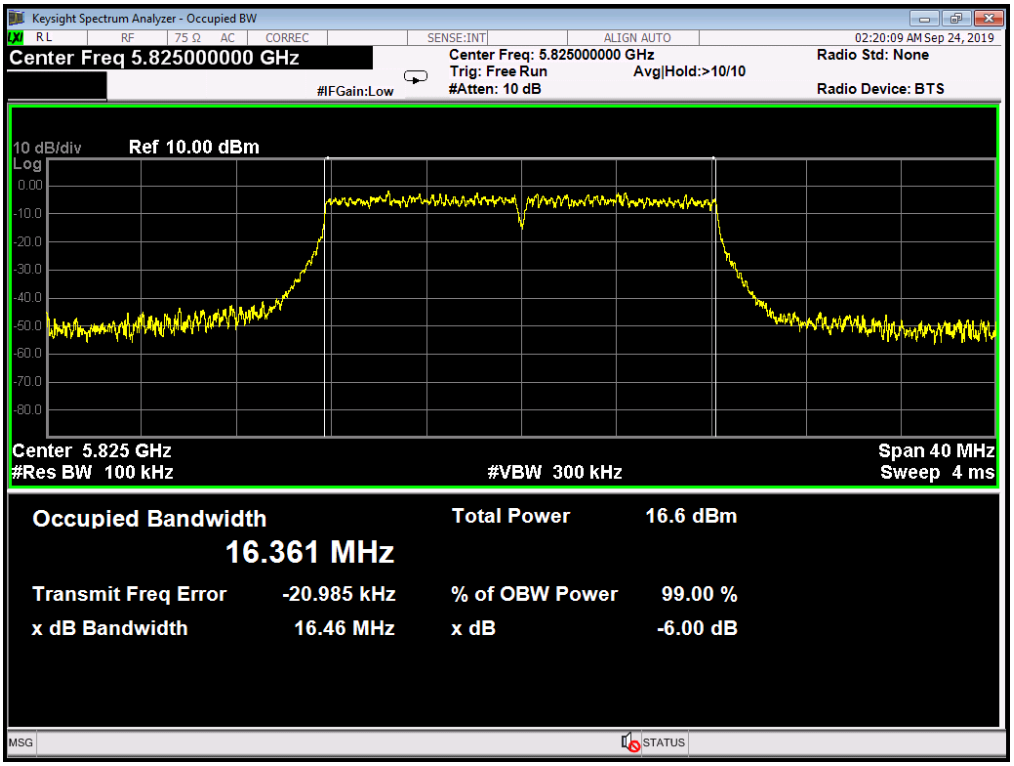
802.11ac(VHT20) Mode

5785 MHz



802.11ac(VHT20) Mode

5825 MHz

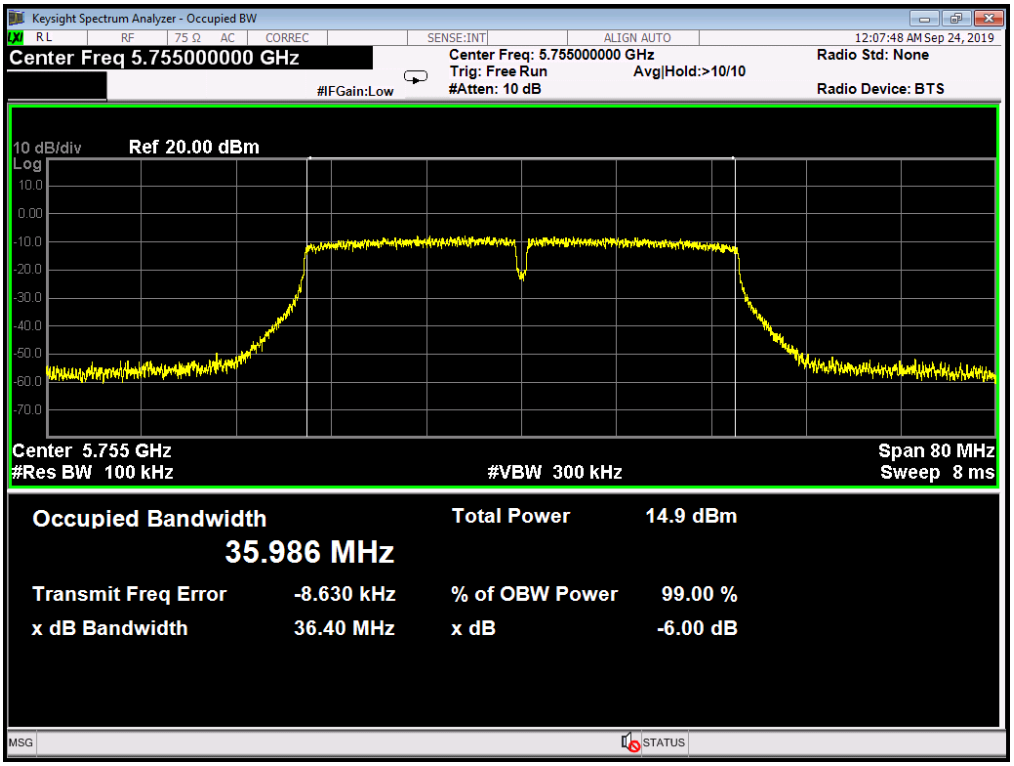


Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11n(HT40) Mode (U-NII-3) Antenna A		

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
151	5755	36.40	35.986
159	5795	36.37	36.001

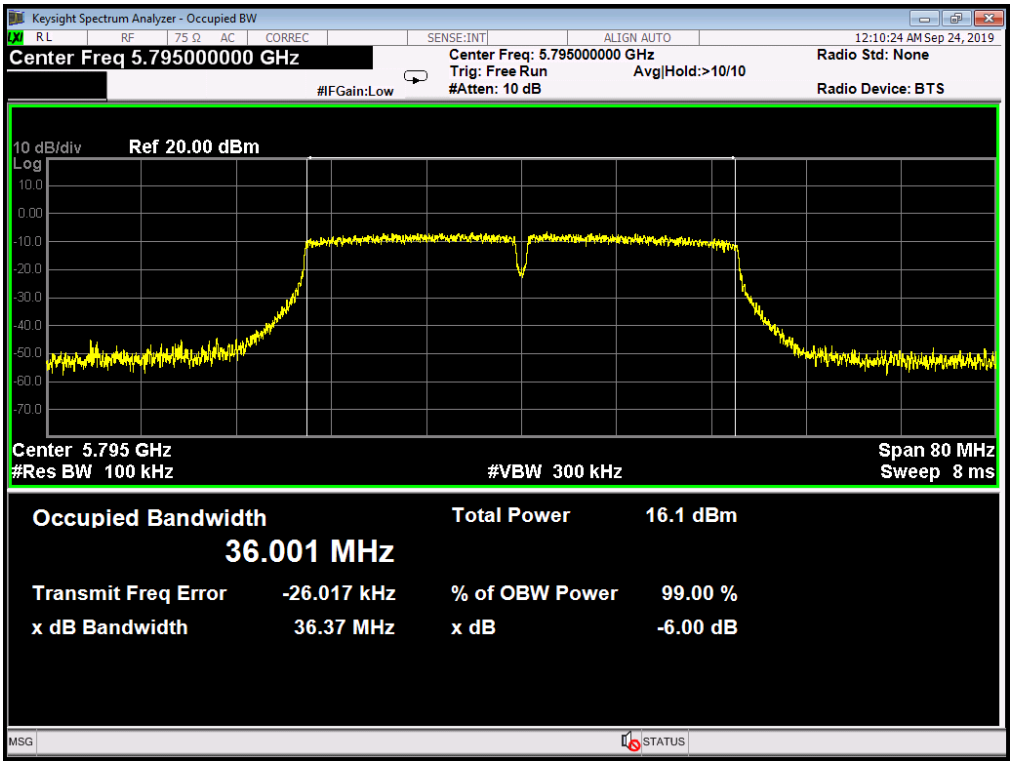
802.11n(HT40) Mode

5755 MHz



802.11n(HT40) Mode

5795 MHz

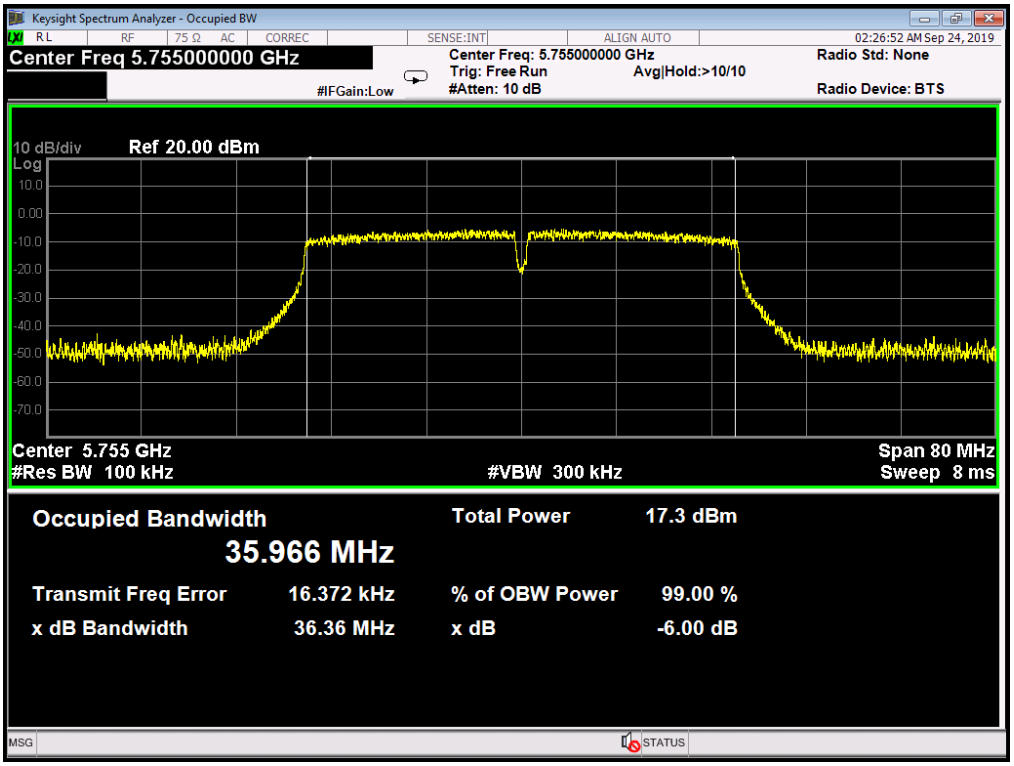


Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11n(HT40) Mode (U-NII-3) Antenna B		

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
151	5755	36.36	35.966
159	5795	36.41	36.004

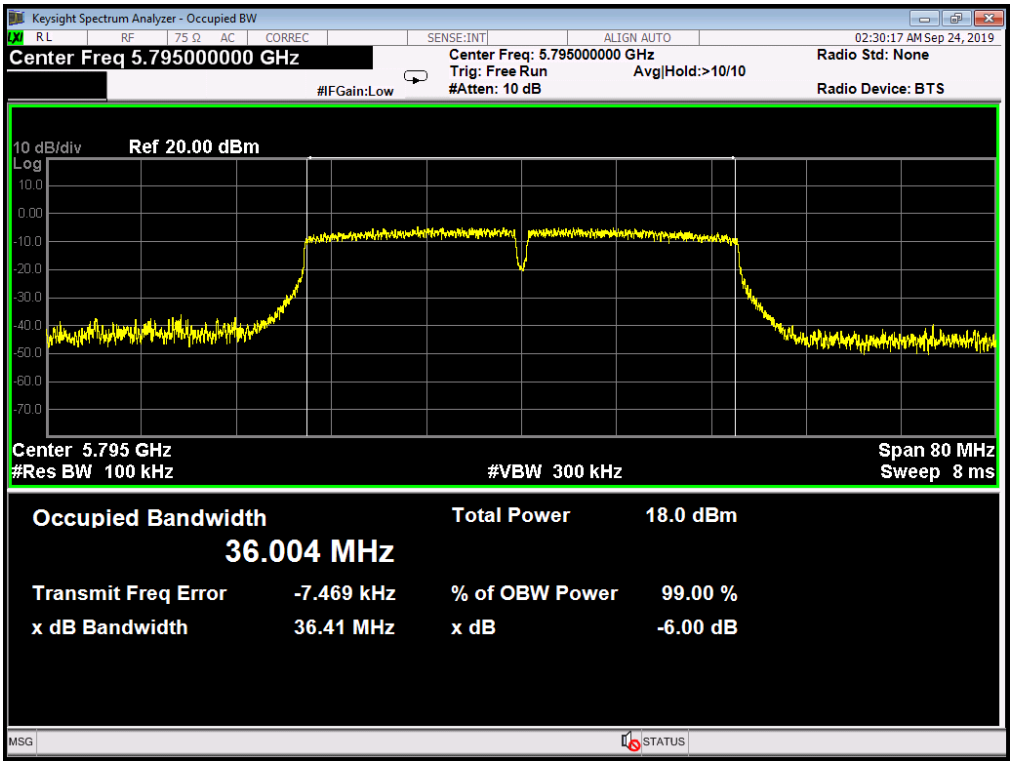
802.11n(HT40) Mode

5755 MHz



802.11n(HT40) Mode

5795 MHz

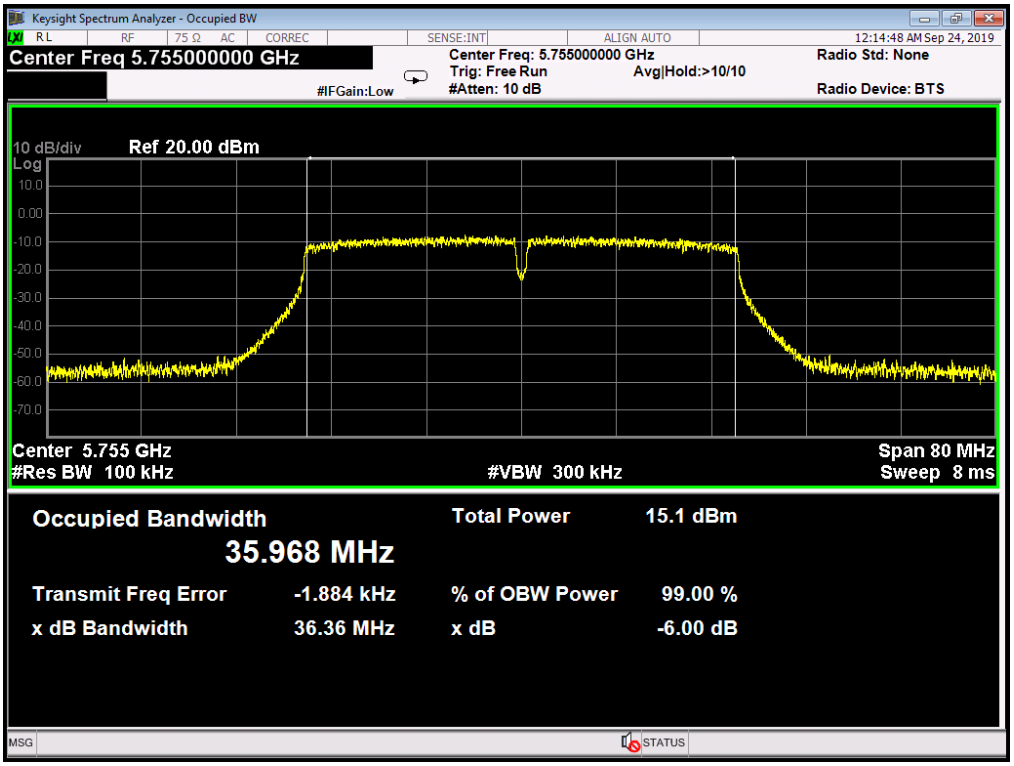


Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11ac(VHT40) Mode (U-NII-3) Antenna A		

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
151	5755	36.36	35.968
159	5795	36.41	36.019

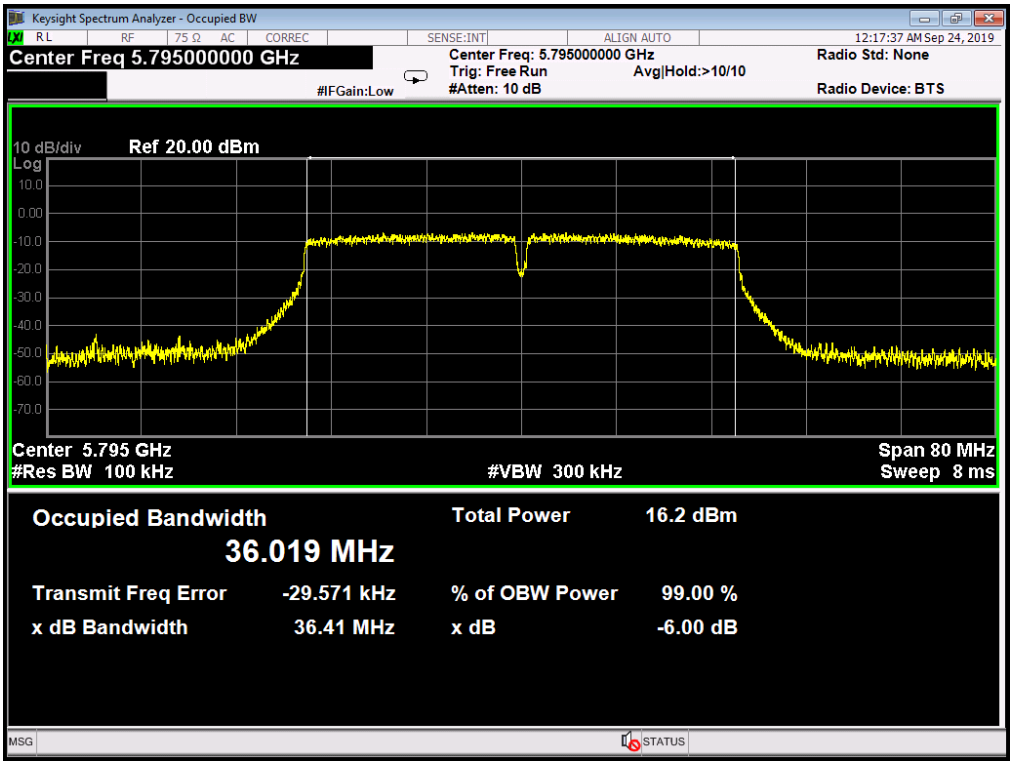
802.11ac(VHT40) Mode

5755 MHz



802.11ac(VHT40) Mode

5795 MHz

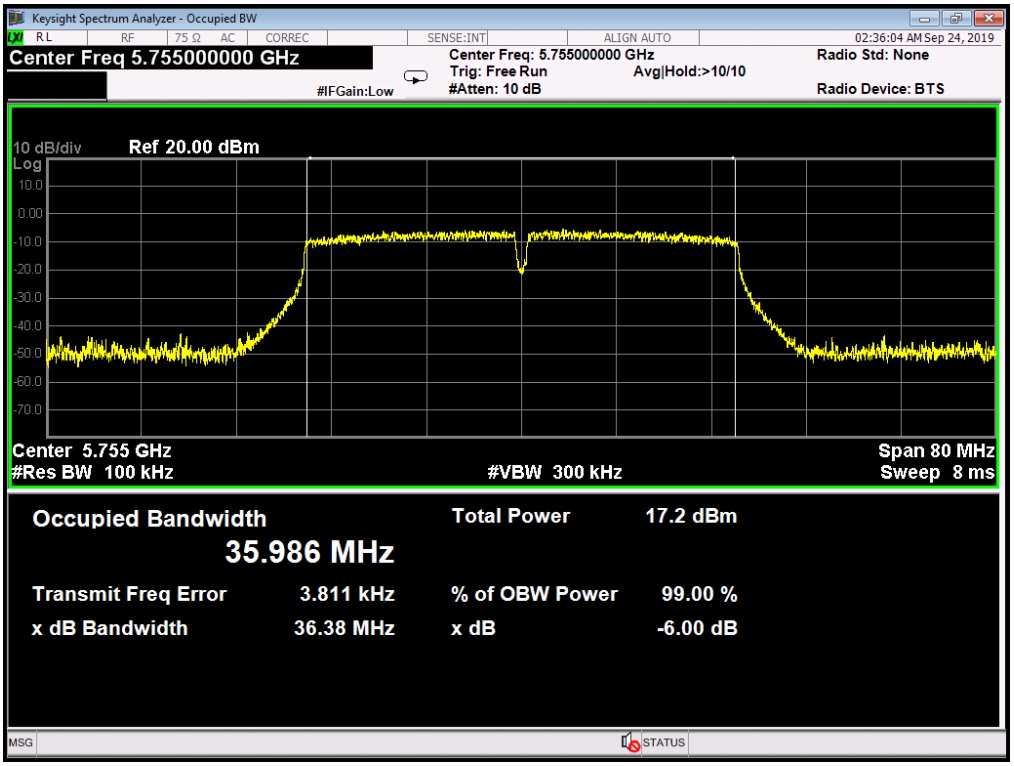


Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11ac(VHT40) Mode (U-NII-3) Antenna B		

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
151	5755	36.38	35.986
159	5795	36.39	35.973

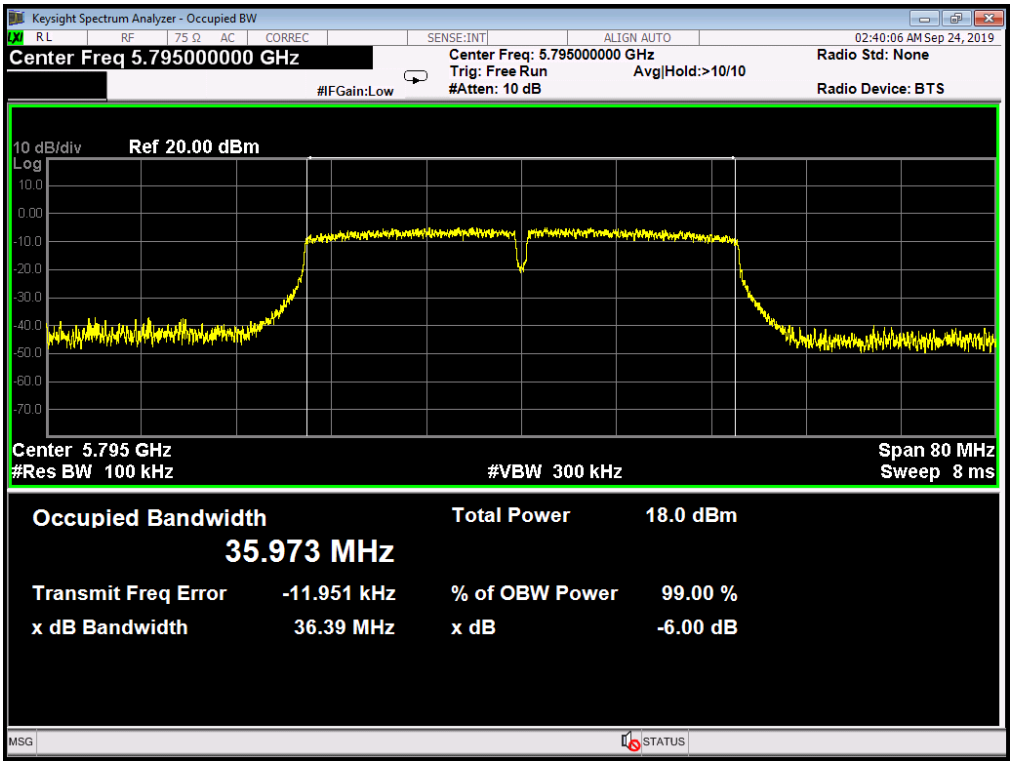
802.11ac(VHT40) Mode

5755 MHz



802.11ac(VHT40) Mode

5795 MHz

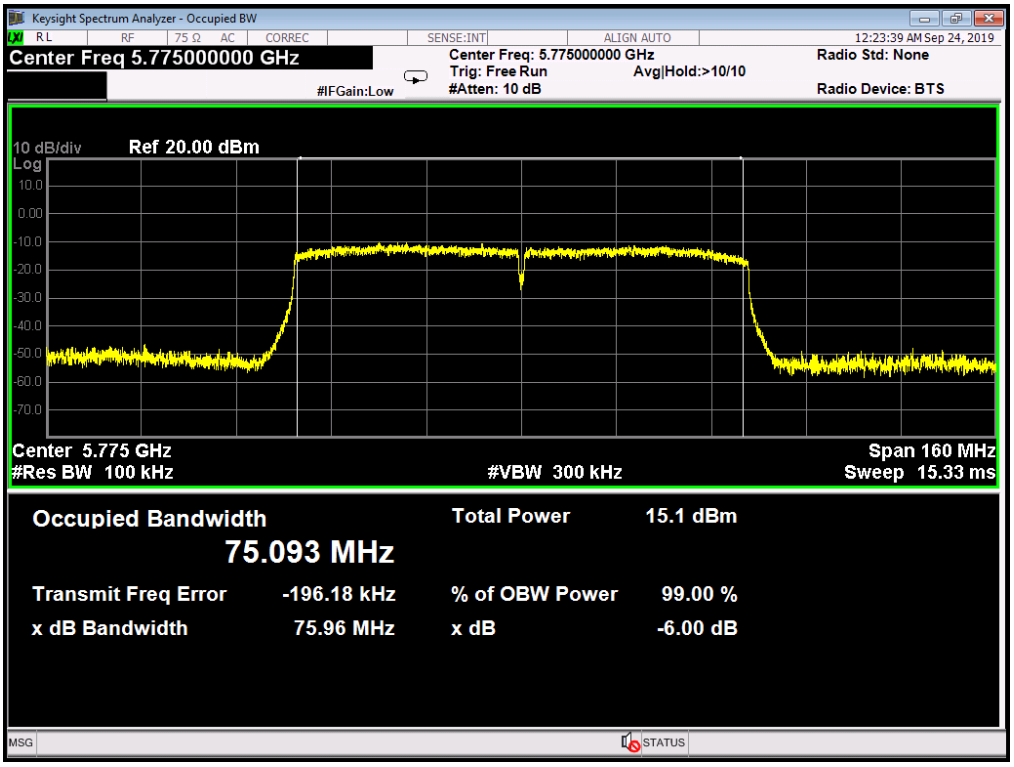


Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11ac(VHT80) Mode (U-NII-3) Antenna A		

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
155	5775	75.96	75.093

802.11ac(VHT80) Mode

5775 MHz

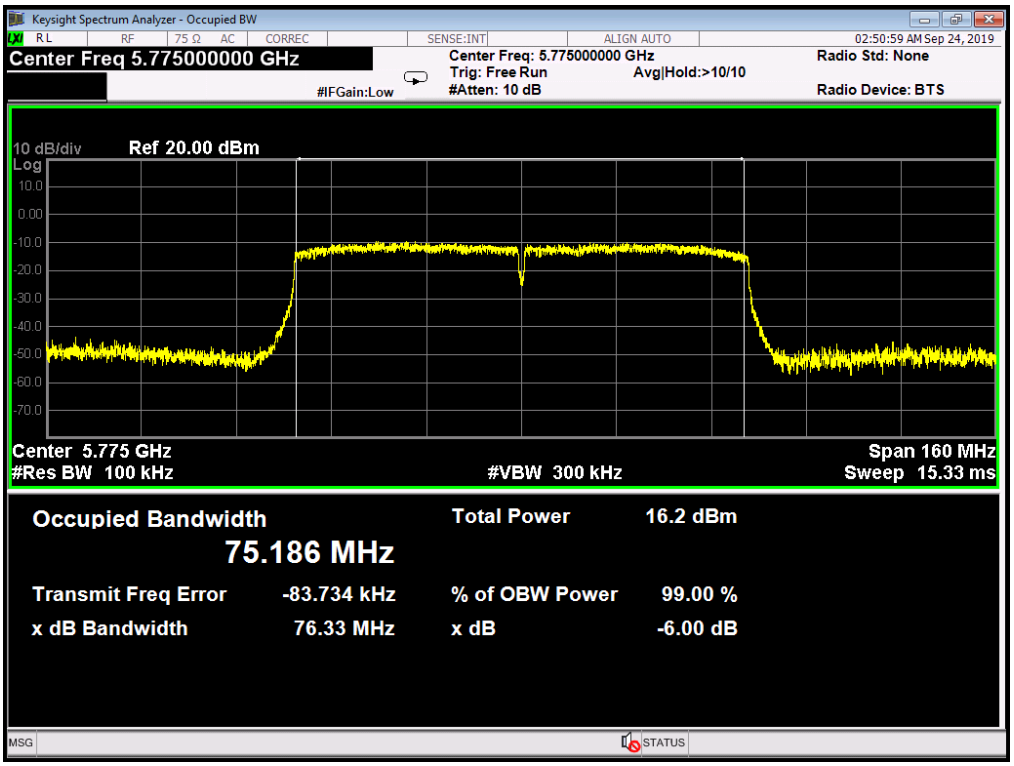


Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11ac(VHT80) Mode (U-NII-3) Antenna B		

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
155	5775	76.33	75.186

802.11ac(VHT80) Mode

5775 MHz



Attachment E--AVG Output Power Test Data

Temperature:	25 ℃	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)	
		Ant. A	Ant. B			
802.11a	5180	18.94	19.23	0	---	24
	5200	19.04	19.31	0	---	
	5240	19.25	19.35	0	---	
802.11n (HT20)	5180	16.10	14.70	0	18.47	23.99
	5200	16.13	15.00	0	18.61	
	5240	16.39	15.23	0	18.86	
802.11ac (VHT20)	5180	15.61	14.43	0	18.07	
	5200	15.58	14.18	0	17.95	
	5240	15.79	14.67	0	18.27	
802.11n (HT40)	5190	15.97	16.67	0	19.34	
	5230	16.37	17.05	0	19.73	
802.11 ac(VHT40)	5190	17.23	16.68	0	19.97	
	5230	15.76	16.44	0	19.12	
802.11 ac(VHT80)	5210	16.27	14.79	0	18.61	

Result： PASS

Remark: The EUT incorporates a MIMO function. Physically, the EUT provides two antennas for transmitting and receiving.
When ANT. A and ANT. B transmitting simultaneously, the total Antenna Gain= ANT. A n Gain + ANT. B x Gani =6.01 dBi＞6 dBi.
So $P_{out} = P_{limit}-(G_{TX}-6)]=24-0.01=23.99$dBm

Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		

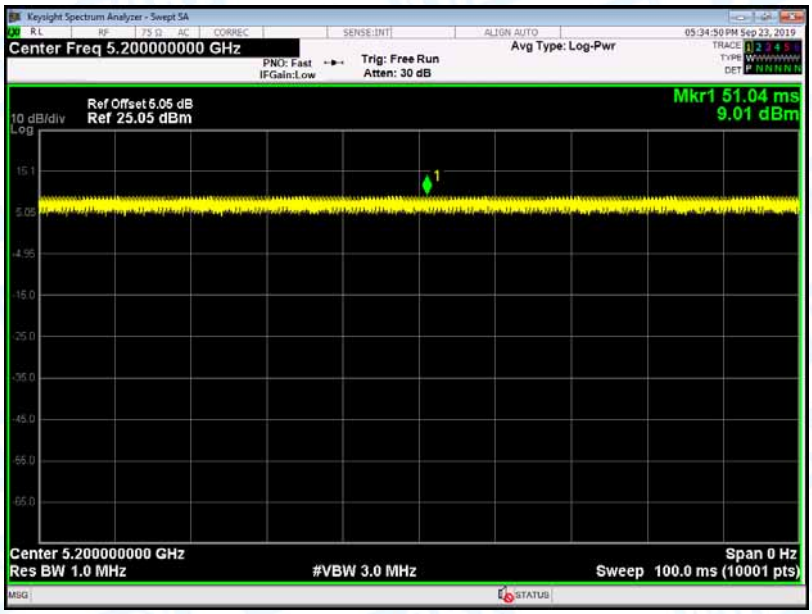
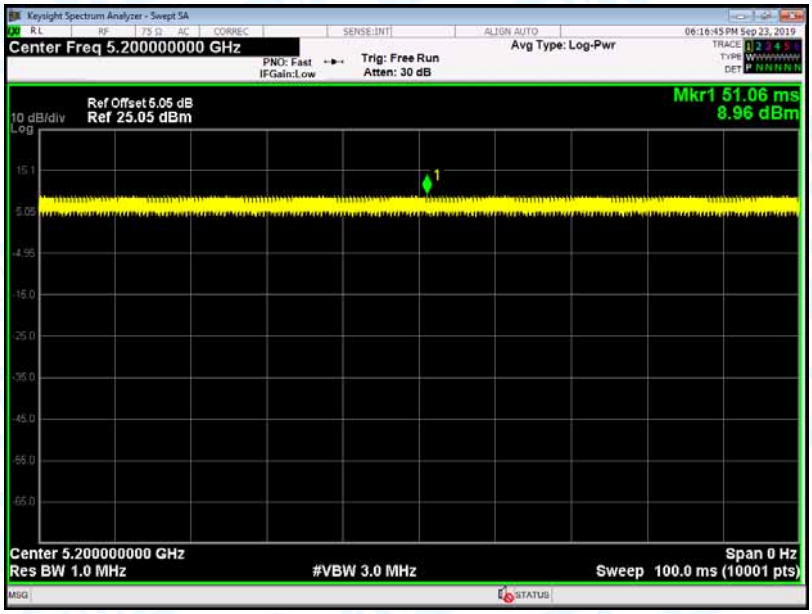
U-NII-3

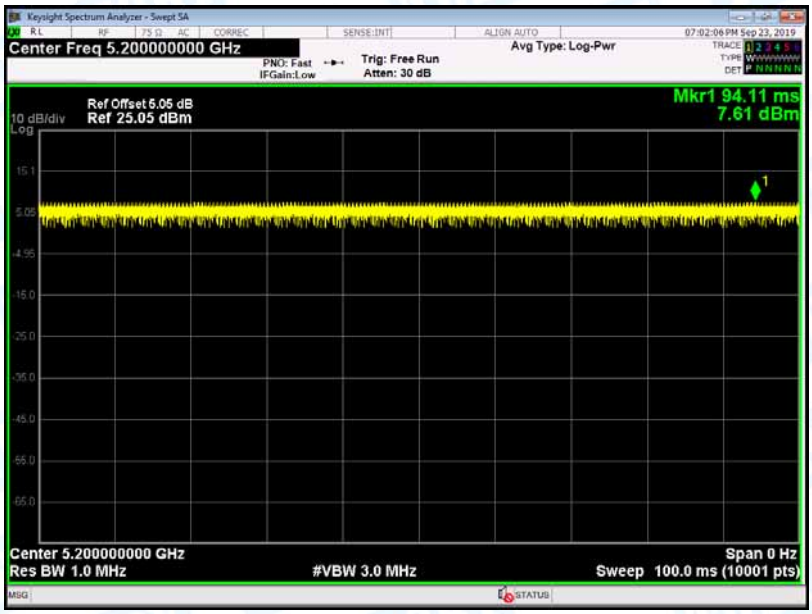
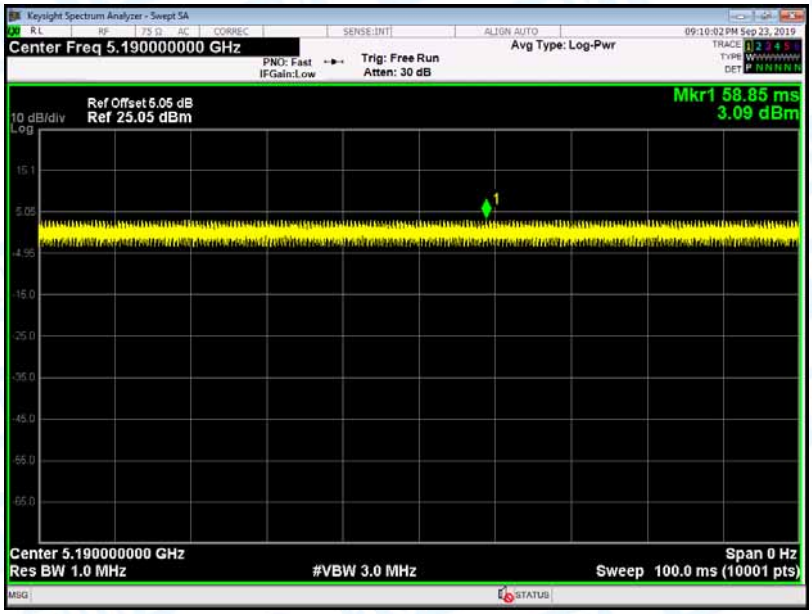
Test Mode	Frequency (MHz)	Test Data				Limit (dBm)
		Conducted Power (dBm)		Duty Factor (dB)	Total Power (dBm)	
		Ant. A	Ant. B			
802.11a	5745	20.19	22.98	0	---	30
	5785	21.56	23.59	0	---	
	5825	21.64	21.14	0	---	
802.11n (HT20)	5745	20.53	23.01	0	24.95	29.99
	5785	21.91	24.03	0	26.11	
	5825	21.96	21.52	0	24.76	
802.11ac (VHT20)	5745	22.76	23.72	0	26.28	
	5785	22.29	24.22	0	26.37	
	5825	22.47	21.73	0	25.13	
802.11n (HT40)	5755	20.13	22.58	0	24.54	
	5795	21.59	23.39	0	25.59	
802.11 ac(VHT40)	5755	21.41	22.51	0	25.01	
	5795	21.61	23.46	0	25.64	
802.11 ac(VHT80)	5775	20.47	21.66	0	24.12	

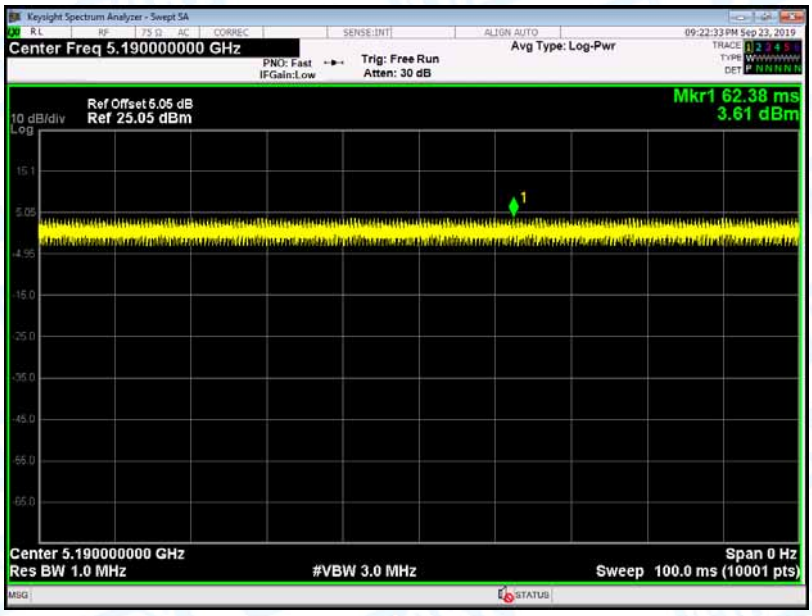
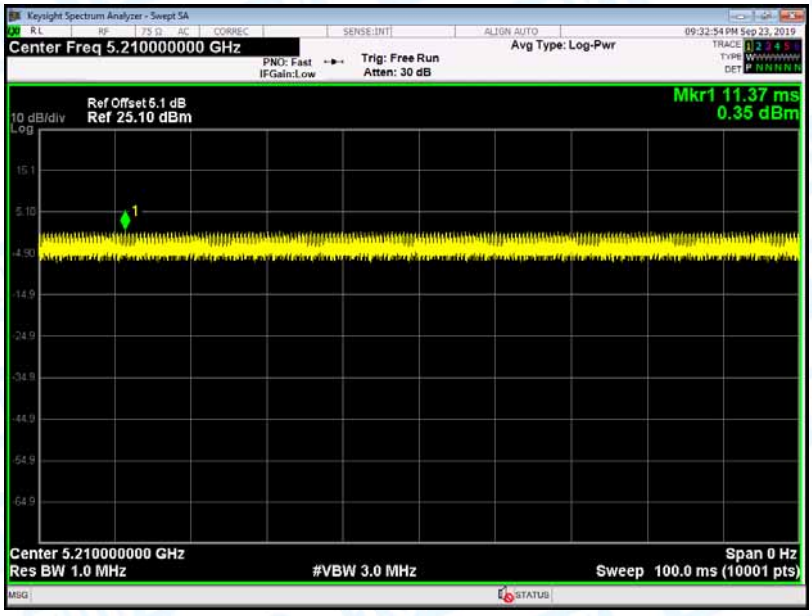
Result： PASS

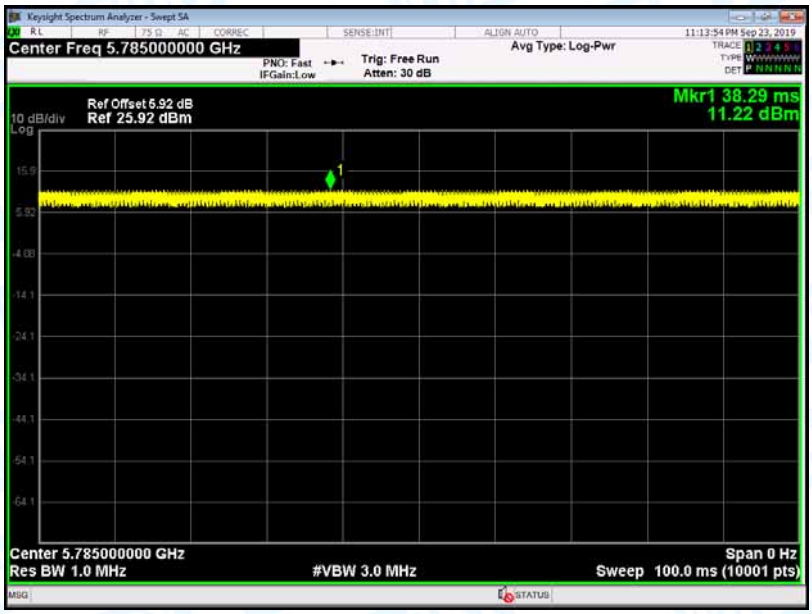
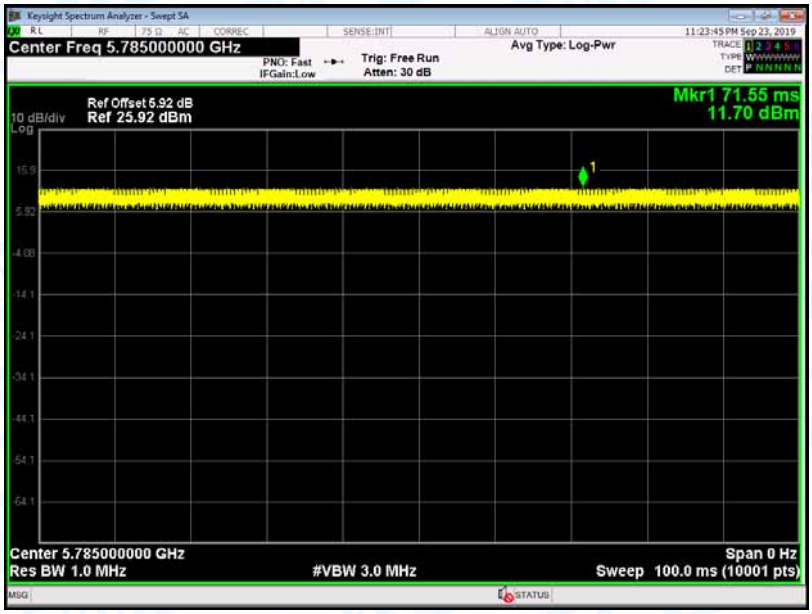
Remark: The EUT incorporates a MIMO function. Physically, the EUT provides two antennas for transmitting and receiving.
When ANT. A and ANT. B transmitting simultaneously, the total Antenna Gain= ANT. A n Gain + ANT. B x Gani =6.01 dBi＞6 dBi.
So $P_{out} = P_{limit}-(G_{TX}-6)]=30-0.01=29.99$dBm

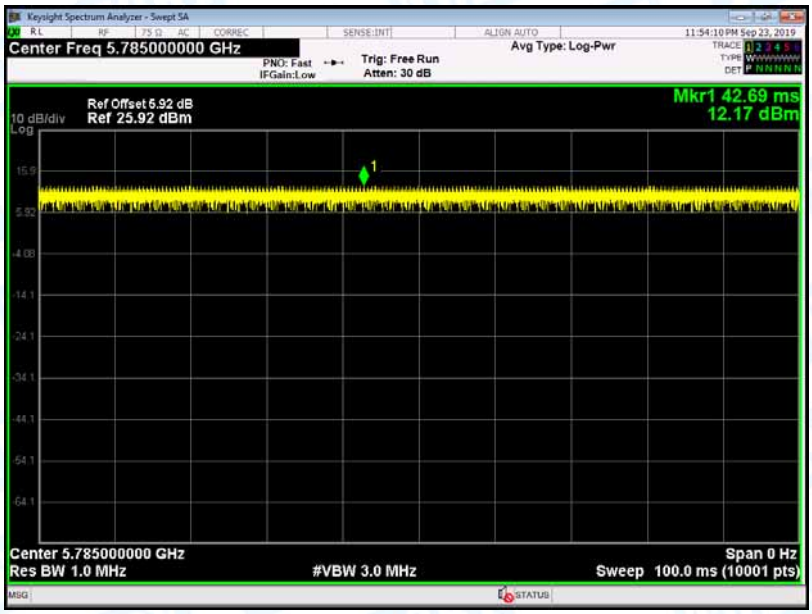
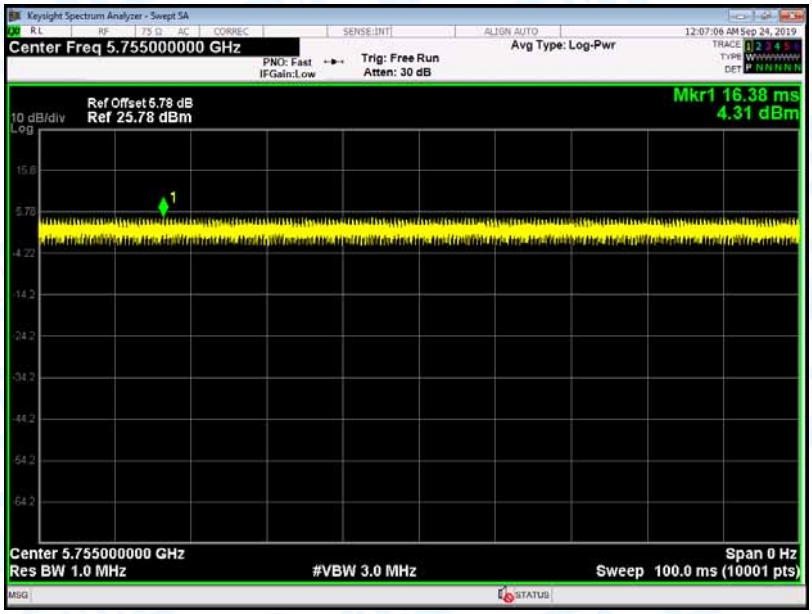
Test Mode		Duty cycle
U-NII-1	802.11 a	>98%
	802.11 n(HT20)	
	802.11 ac(VHT20)	
	802.11 n(HT40)	
	802.11 ac(HT40)	
	802.11 ac(VHT80)	
U-NII-3	802.11 a	
	802.11 n(HT20)	
	802.11 ac(VHT20)	
	802.11 n(HT40)	
	802.11 ac(VHT40)	
	802.11 ac(VHT80)	
Please see the next plots.		

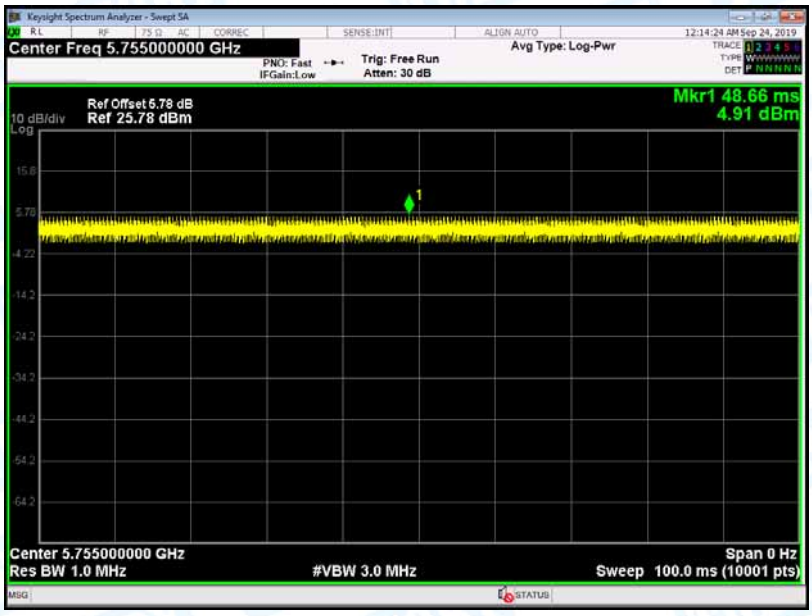
802.11 a 5200MHz U-NII-1

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


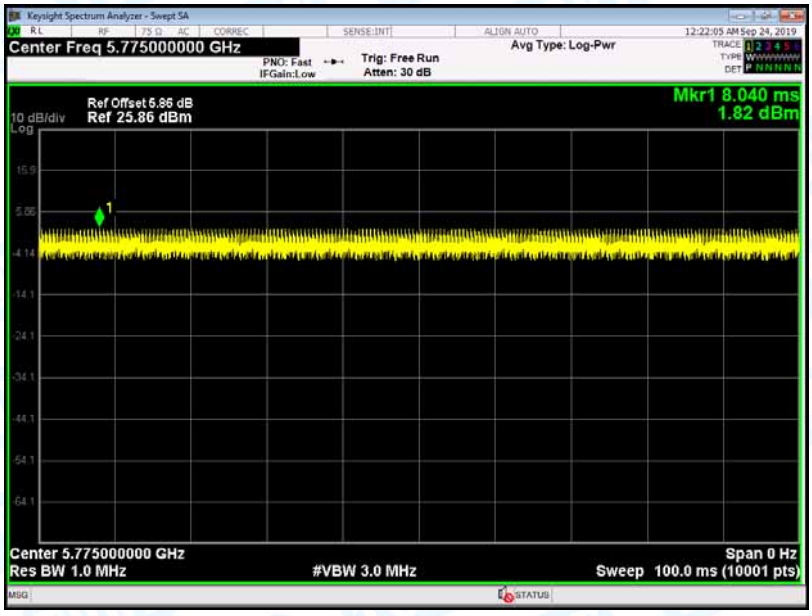
802.11 ac(VHT20) 5200MHz U-NII-1

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


802.11 ac(VHT40) 5190MHz U-NII-1

802.11 ac(VHT80) 5210MHz U-NII-1


802.11 a 5785MHz U-NII-3

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


802.11 ac(VHT20) 5785MHz U-NII-3

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


802.11 ac(VHT40) 5755MHz U-NII-3


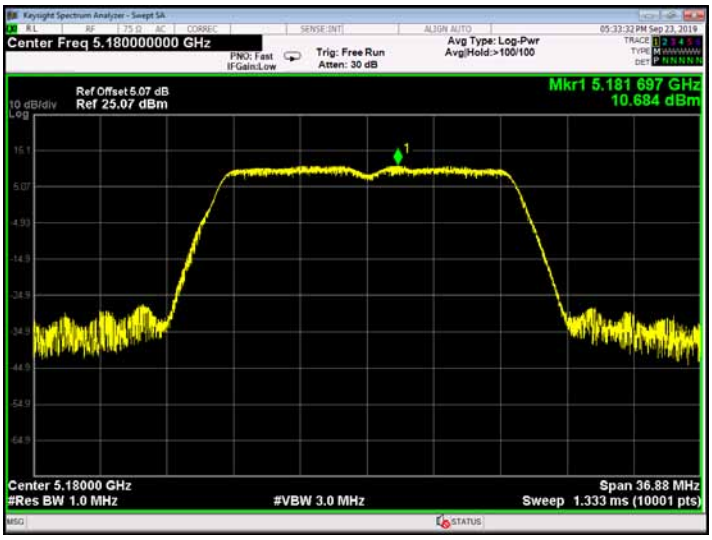
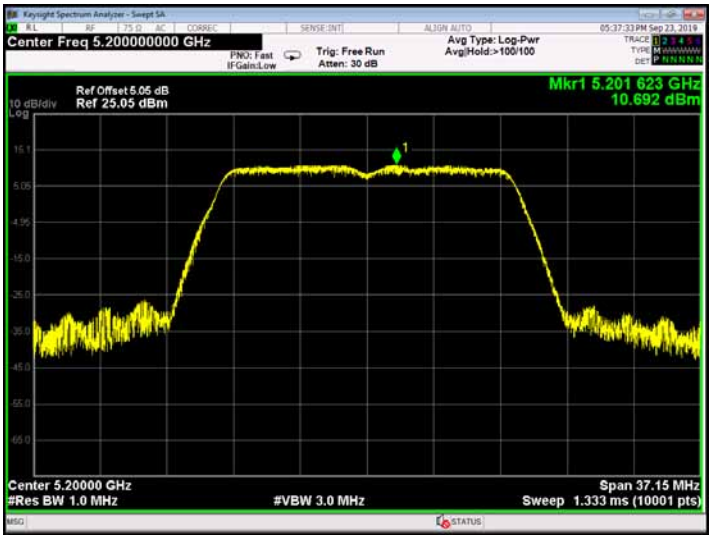
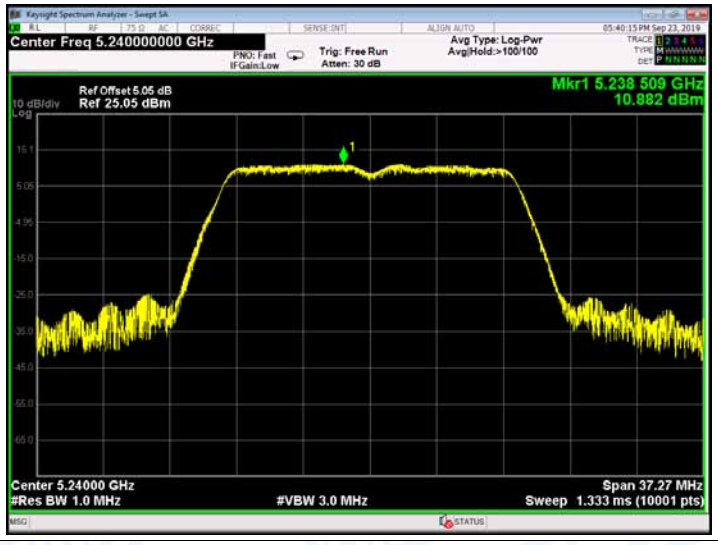
802.11 ac(VHT80) 5775MHz U-NII-3


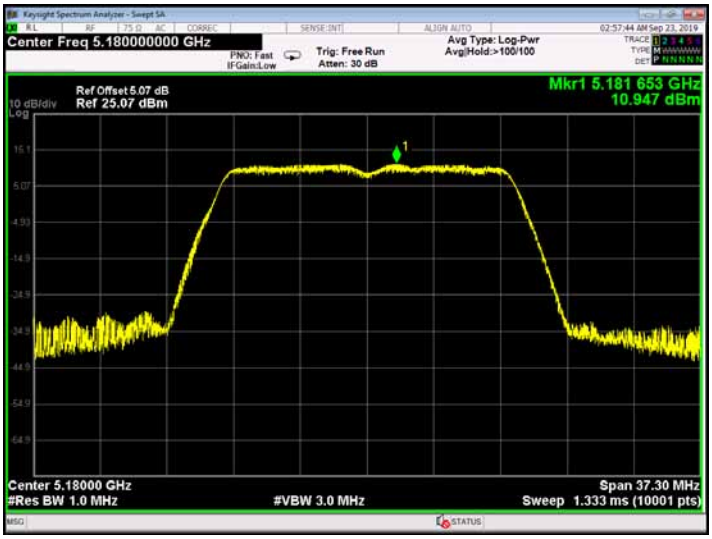
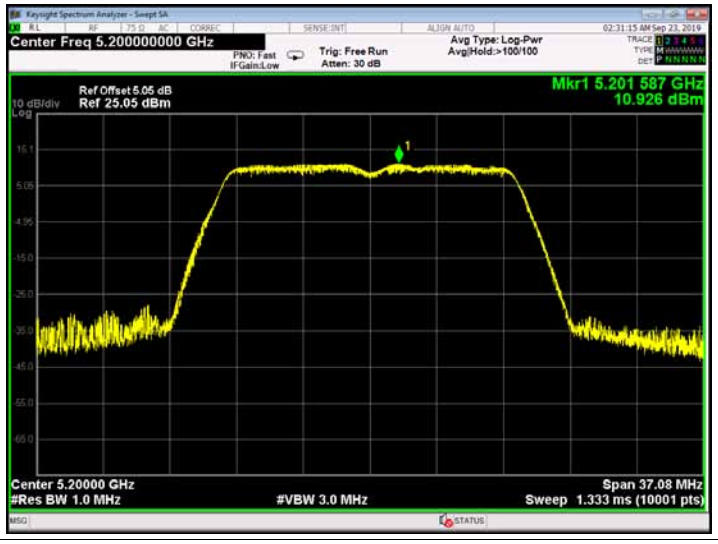
Attachment F-- Power Spectral Density Test Data

Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		

U-NII-1						
Test Mode	Frequency (MHz)	Test Data				Limit (dBm/MHz)
		Main ANT. (dBm/MHz)	AUX ANT. (dBm/MHz)	Duty Factor (dB)	Total Power (dBm/MHz)	
802.11a	5180	10.684	10.947	0		11
	5200	10.692	10.926	0	---	
	5240	10.882	10.848	0	---	
802.11n (HT20)	5180	7.925	5.789	0	9.997	10.99
	5200	7.947	6.131	0	10.144	
	5240	8.198	6.241	0	10.339	
802.11ac (VHT20)	5180	8.620	6.341	0	10.639	
	5200	8.589	6.003	0	10.496	
	5240	7.983	6.427	0	10.285	
802.11n (HT40)	5190	6.017	6.166	0	9.102	
	5230	5.303	5.699	0	8.516	
802.11 ac(VHT40)	5190	7.055	5.252	0	9.257	
	5230	4.507	6.141	0	8.411	
802.11 ac(VHT80)	5210	4.018	2.797	0	6.461	
Result： PASS						

Remark: The EUT incorporates a MIMO function. Physically, the EUT provides two antennas for transmitting and receiving.
When ANT. A and ANT. B transmitting simultaneously, the total Antenna Gain= ANT. A n Gain + ANT. B x Gani =6.01 dBi＞6 dBi.
So $P_{out} = P_{limit}-(G_{TX}-6)]=11-0.01=10.99$dBm

Antenna A
802.11 a 5180 MHz

802.11 a 5200 MHz

802.11 a 5240 MHz


Antenna B
802.11 a 5180 MHz

802.11 a 5200 MHz

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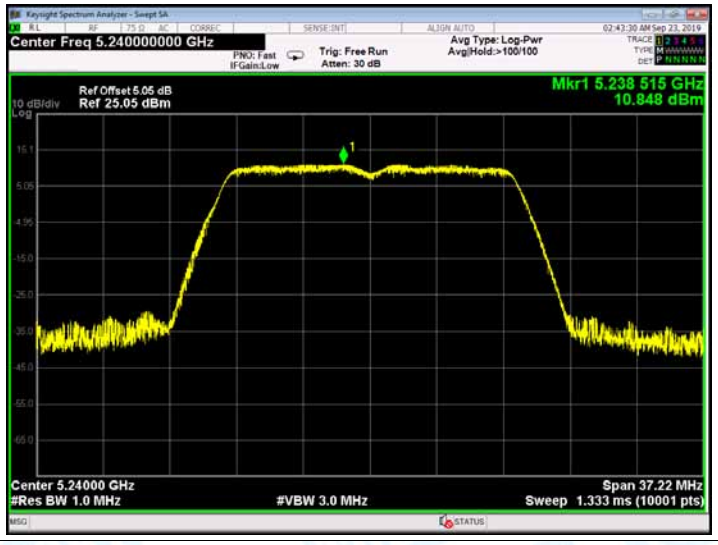
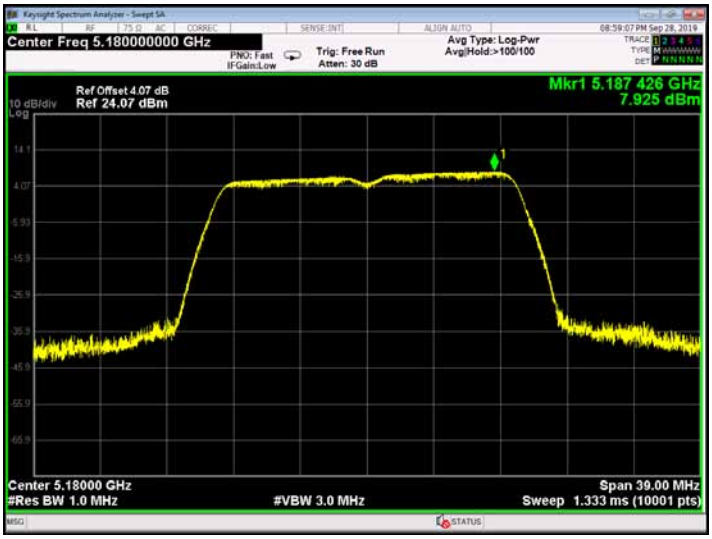


Antenna A
802.11 n(HT20) 5180 MHz

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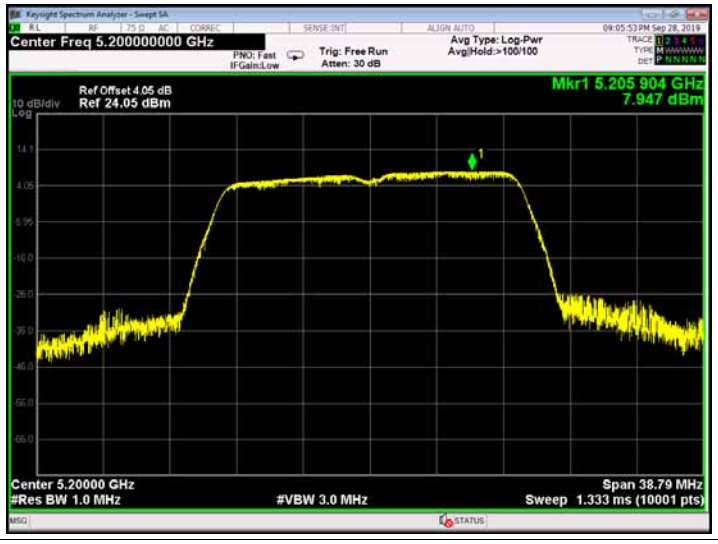
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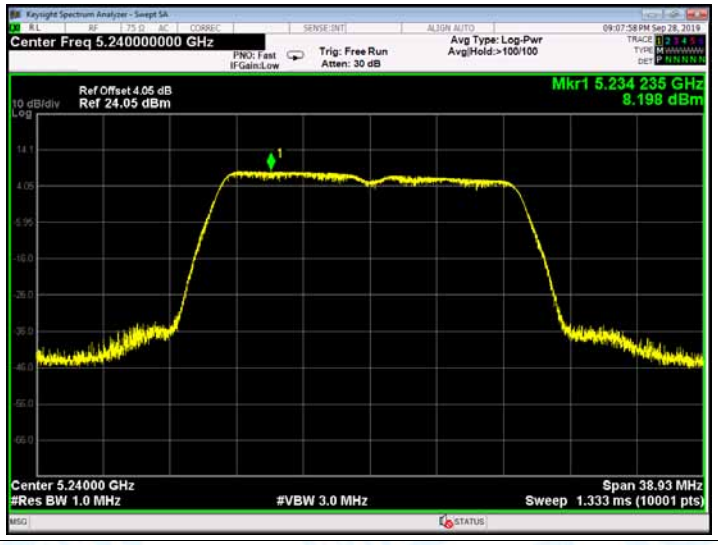

Antenna B
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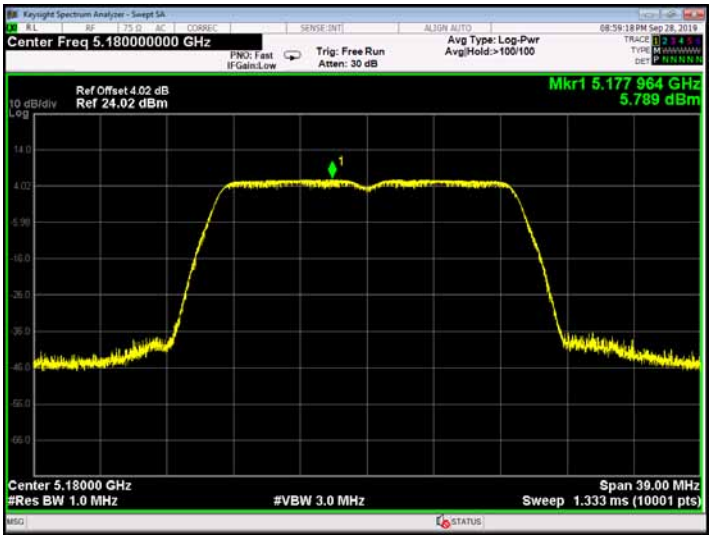
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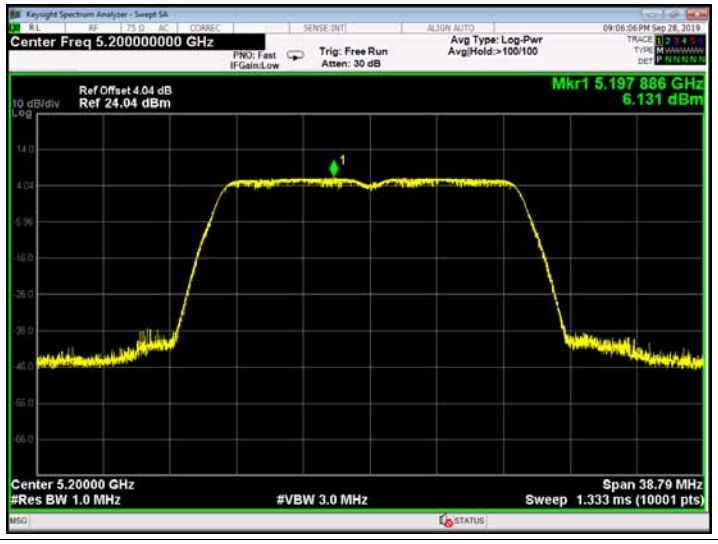
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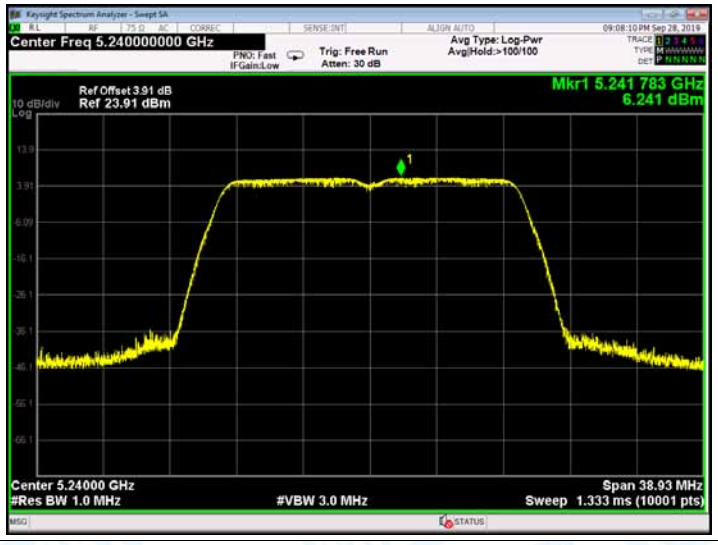

Antenna A
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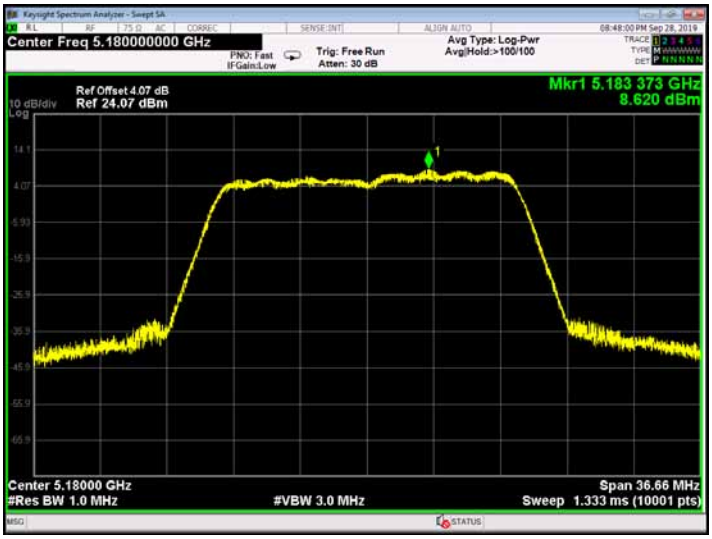
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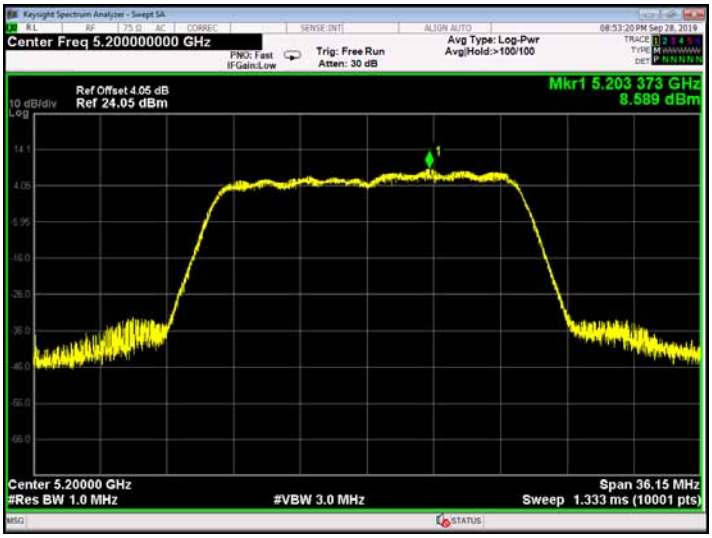
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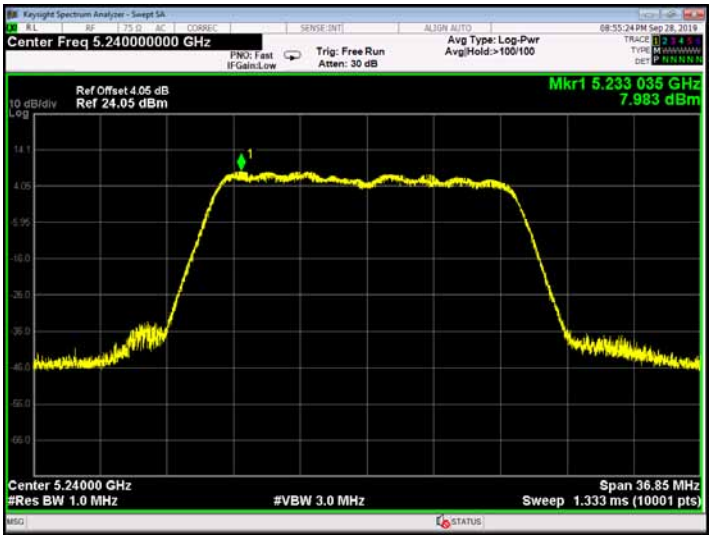
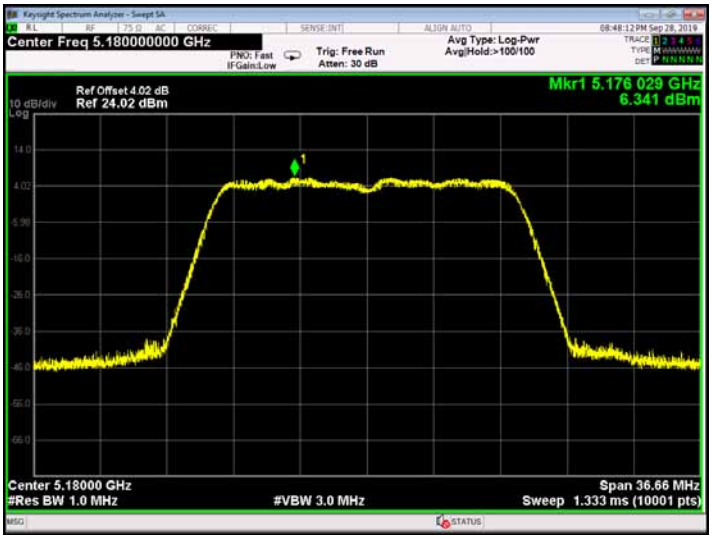


Antenna B
802.11 ac(VHT20) 5180 MHz

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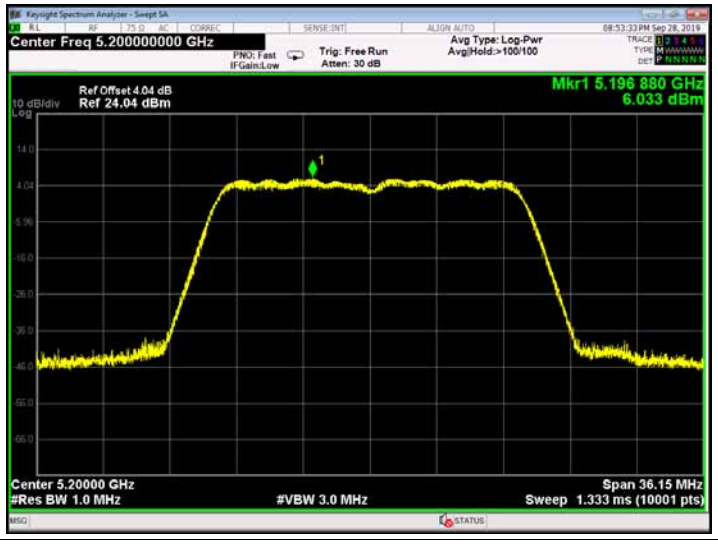
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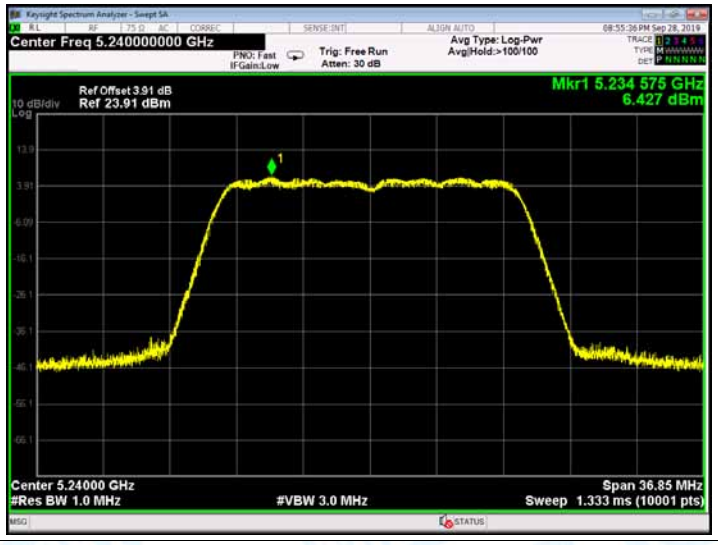
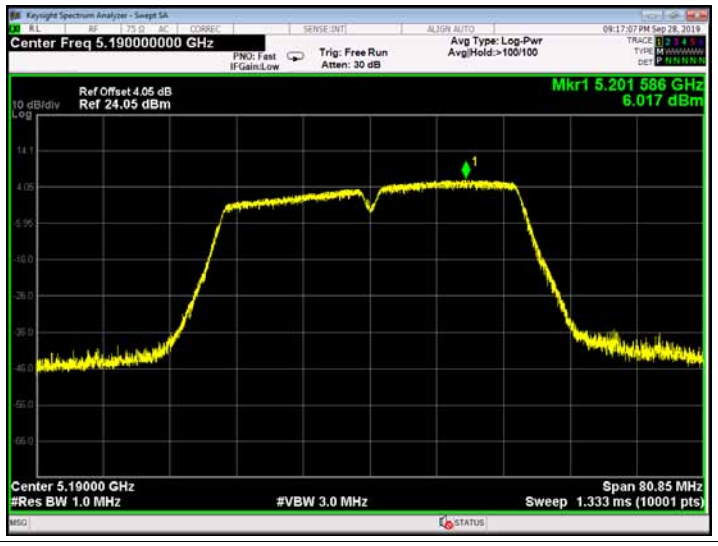


Antenna A
802.11 n(HT40) 5190 MHz

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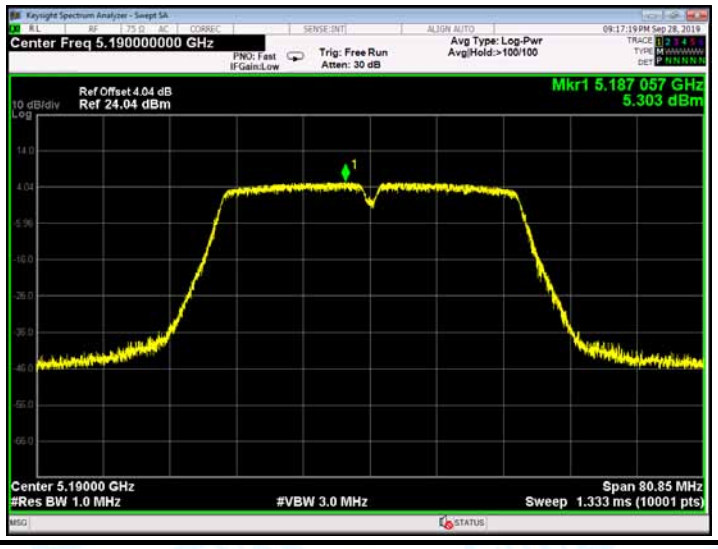
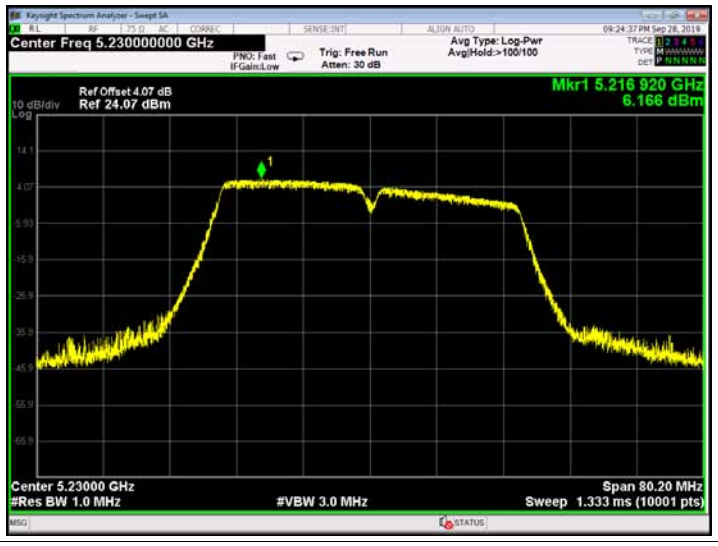


Antenna B
802.11 n(HT40) 5190 MHz

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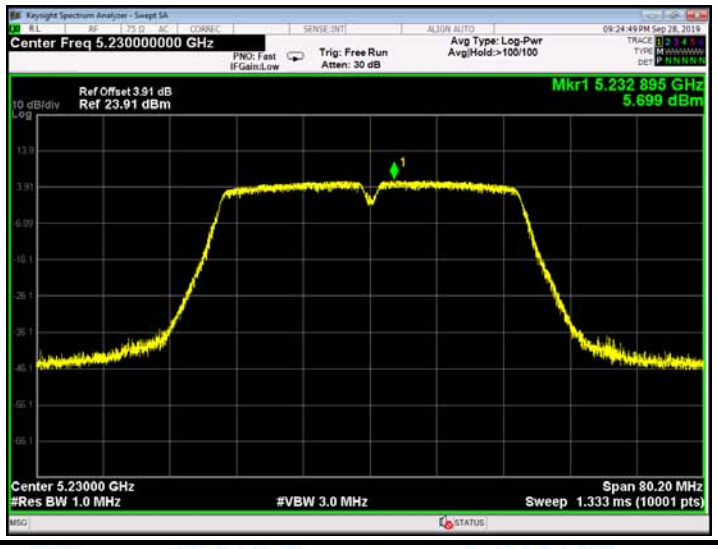
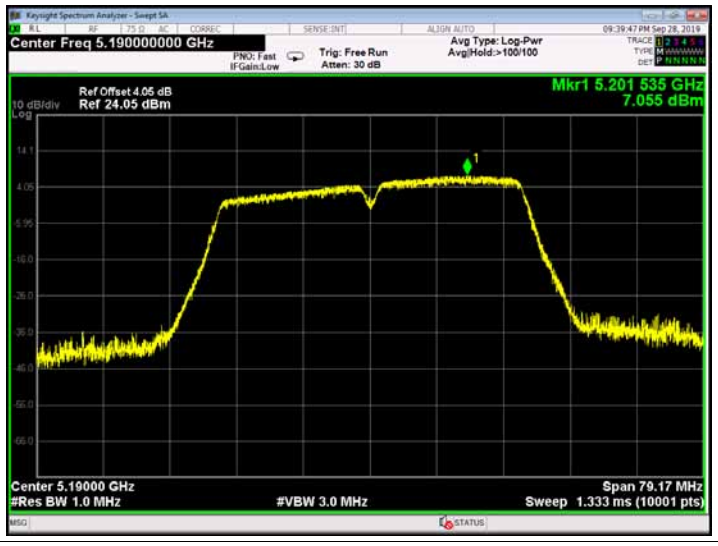


Antenna A
802.11 ac(VHT40) 5190 MHz

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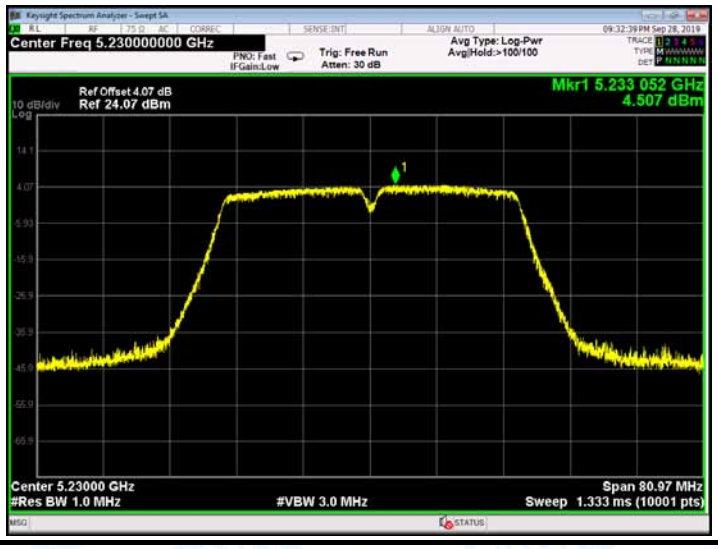

Antenna B
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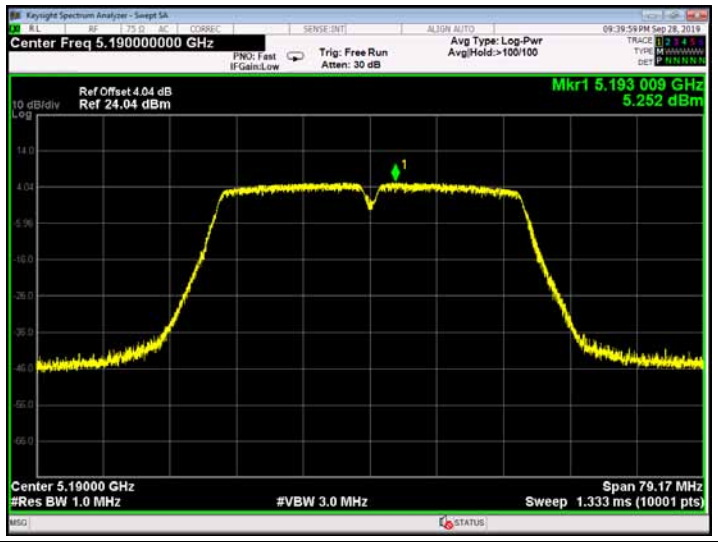
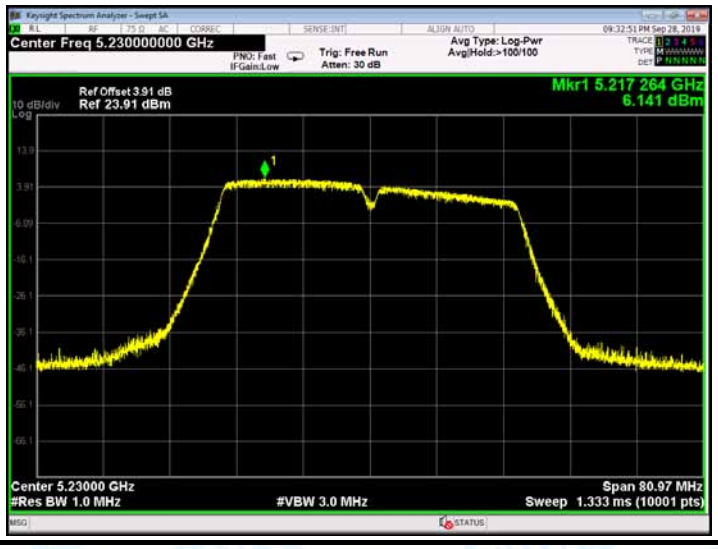
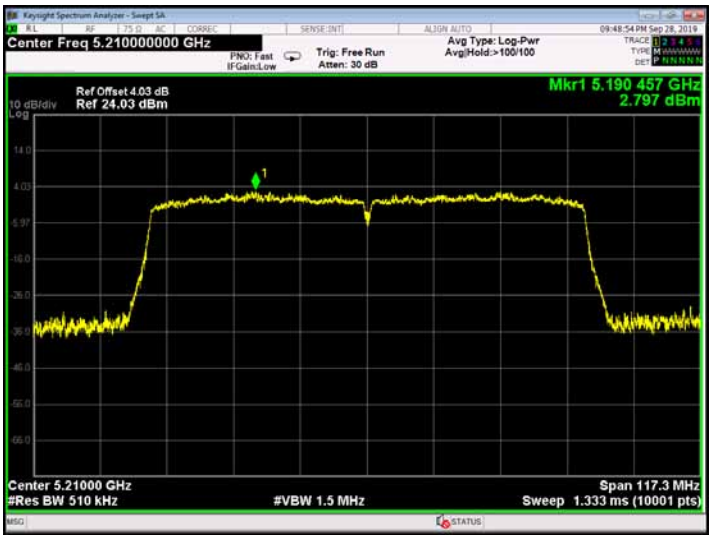

802.11 ac(VHT40) 5230 MHz


Antenna A
802.11 ac(VHT80) 5210 MHz

Antenna B
802.11 ac(VHT80) 5210 MHz


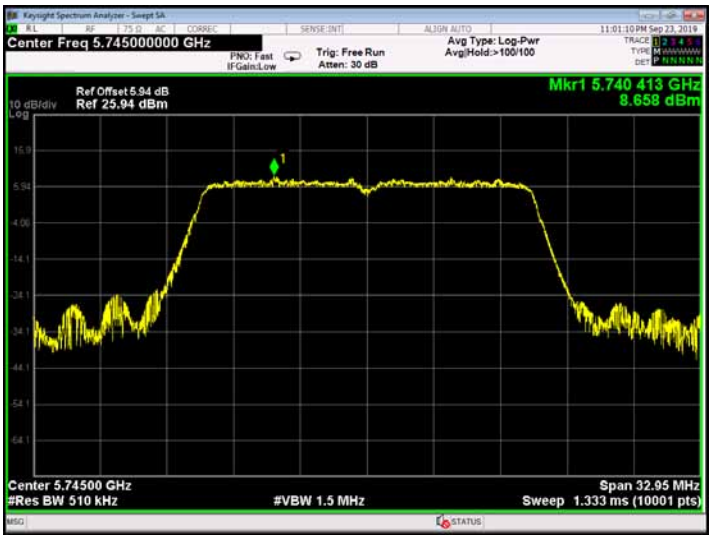
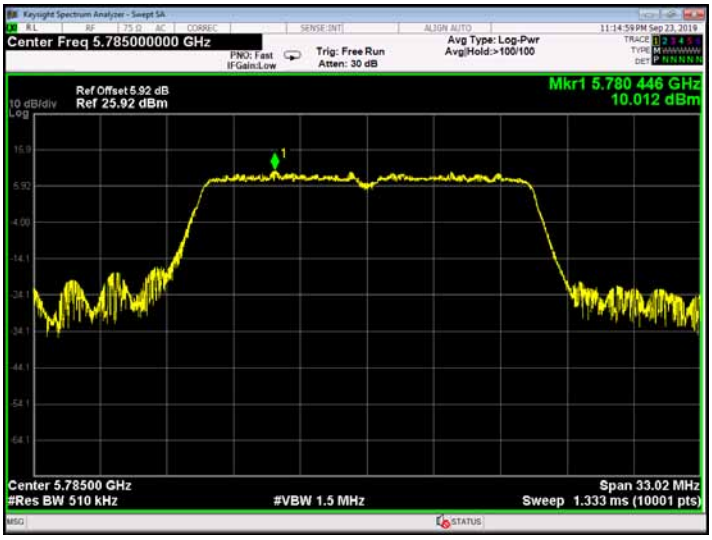
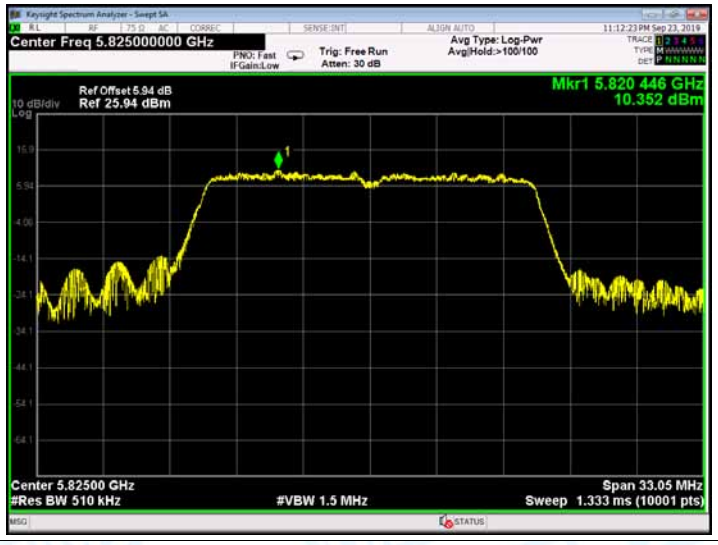
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		

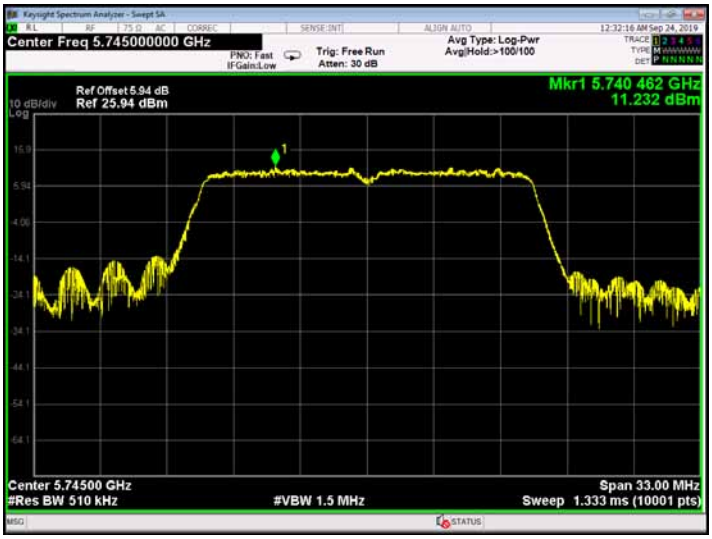
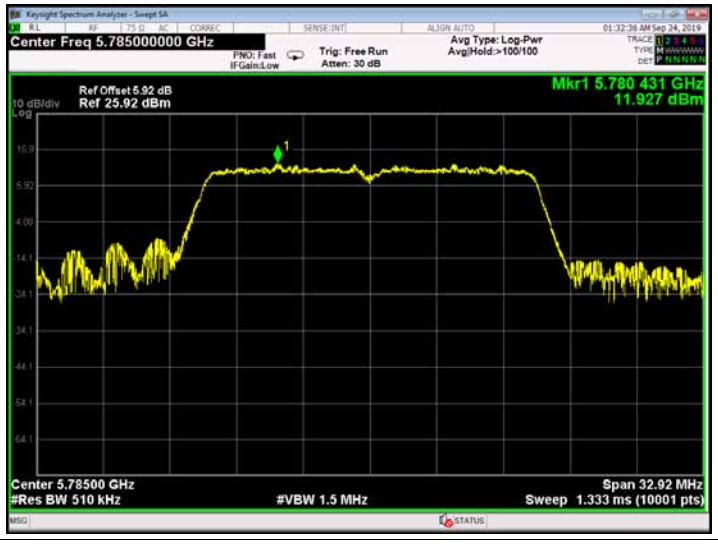
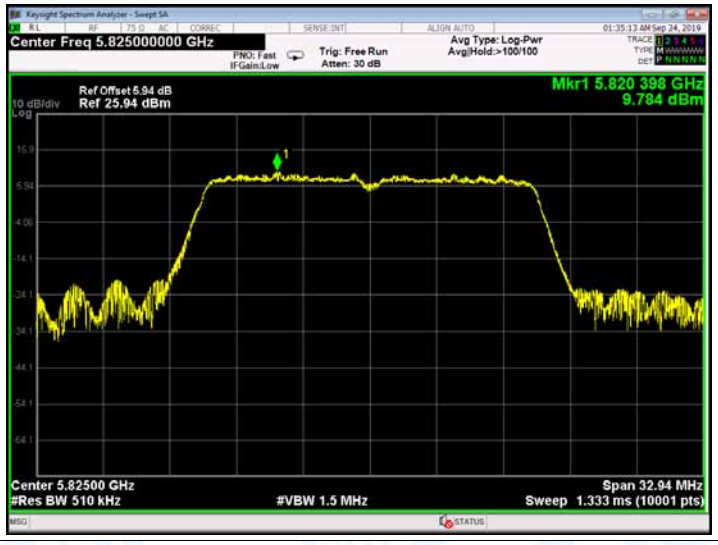
U-NII-3

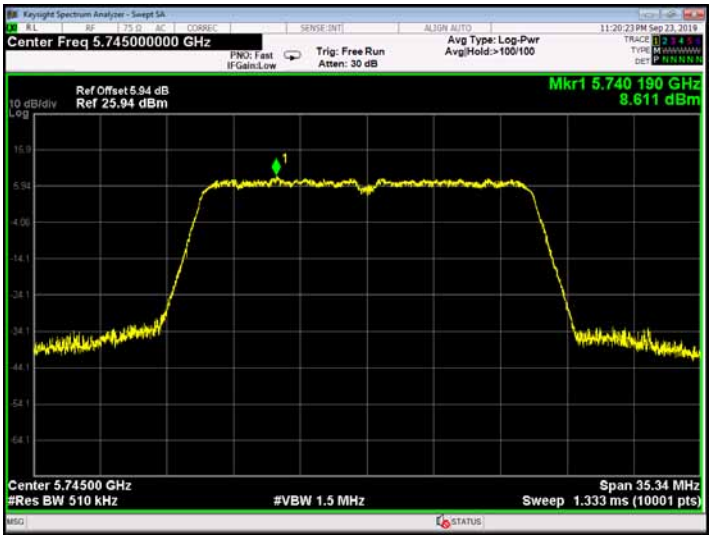
Test Mode	Frequency (MHz)	Test Data				Limit (dBm/500KHz)
		Main ANT. (dBm/500KHz)	AUX ANT. (dBm/500KHz)	Duty Factor (dB)	Total Power (dBm/500KHz)	
802.11a	5745	8.658	11.232	0	---	30
	5785	10.012	11.927	0	---	
	5825	10.352	9.784	0	---	
802.11n (HT20)	5745	8.611	11.191	0	13.100	29.99
	5785	10.083	11.878	0	14.083	
	5825	10.269	9.792	0	13.047	
802.11ac (VHT20)	5745	11.304	12.303	0	14.842	
	5785	10.818	12.819	0	14.943	
	5825	10.937	10.390	0	13.682	
802.11n (HT40)	5755	5.496	7.669	0	9.727	
	5795	6.694	8.643	0	10.787	
802.11 ac(VHT40)	5755	5.656	7.581	0	9.735	
	5795	6.604	8.545	0	10.692	
802.11 ac(VHT80)	5775	3.331	4.289	0	6.847	

Result： PASS

Remark: The EUT incorporates a MIMO function. Physically, the EUT provides two antennas for transmitting and receiving.
When ANT. A and ANT. B transmitting simultaneously, the total Antenna
Gain= ANT. A n Gain + ANT. B x Gani =6.01 dBi＞6 dBi.
So $P_{out} = P_{limit}-(G_{TX}-6)]=30-0.01=29.99$dBm

Antenna A
802.11 a 5745 MHz

802.11 a 5785 MHz

802.11 a 5825 MHz


Antenna B
802.11 a 5745 MHz

802.11 a 5785 MHz

802.11 a 5825 MHz


Antenna A
802.11 n(HT20) 5745 MHz

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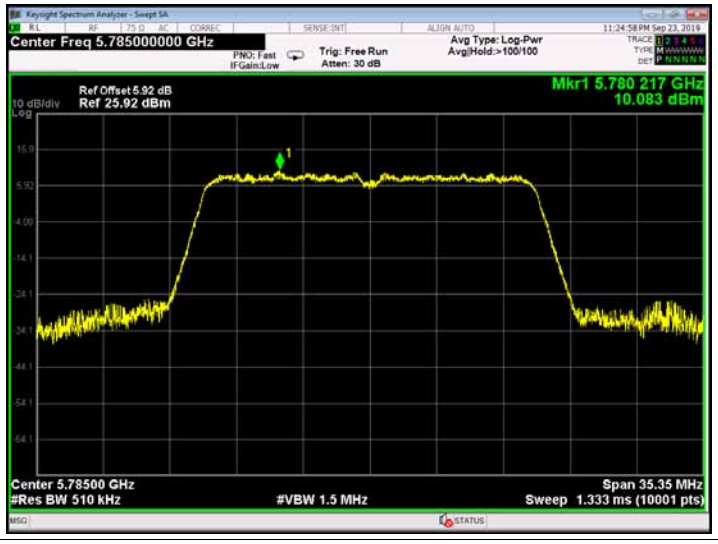
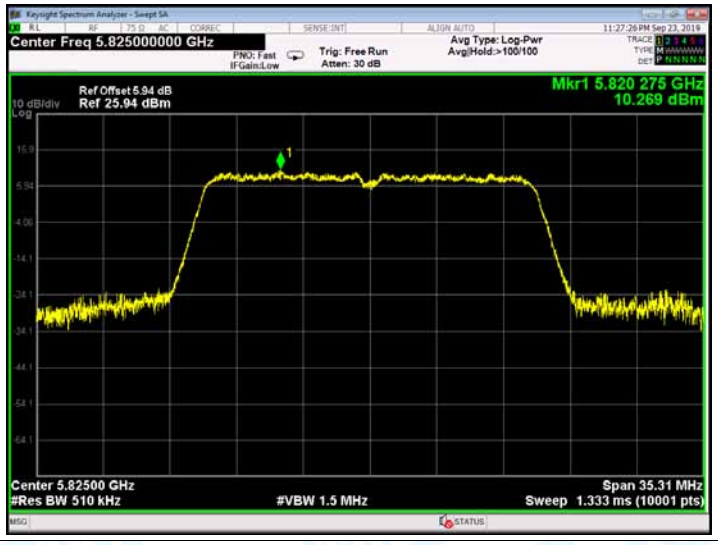
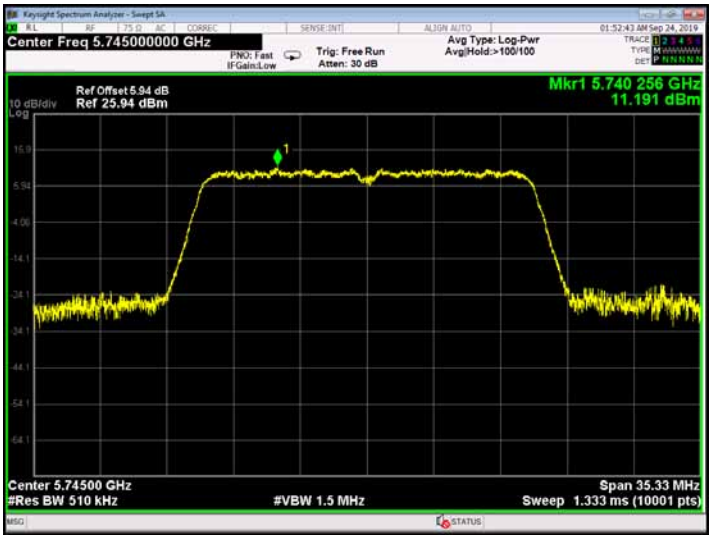
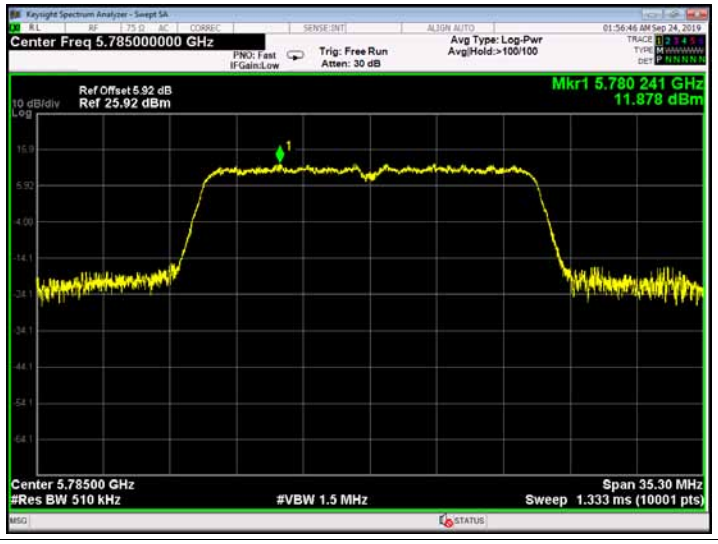
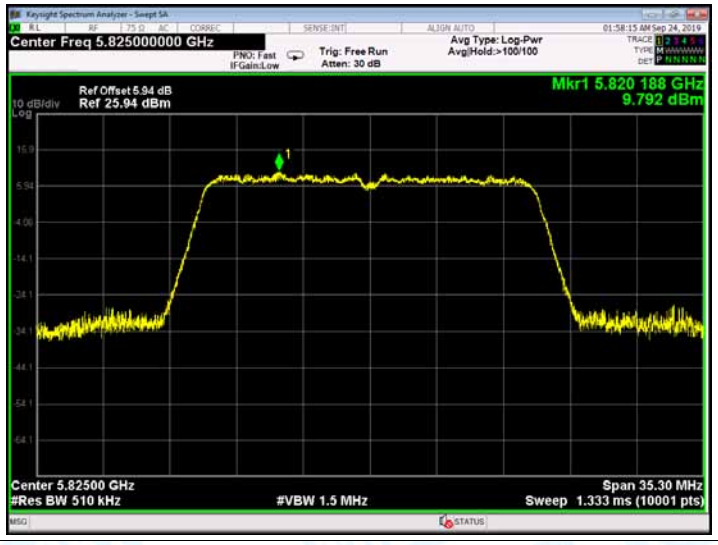
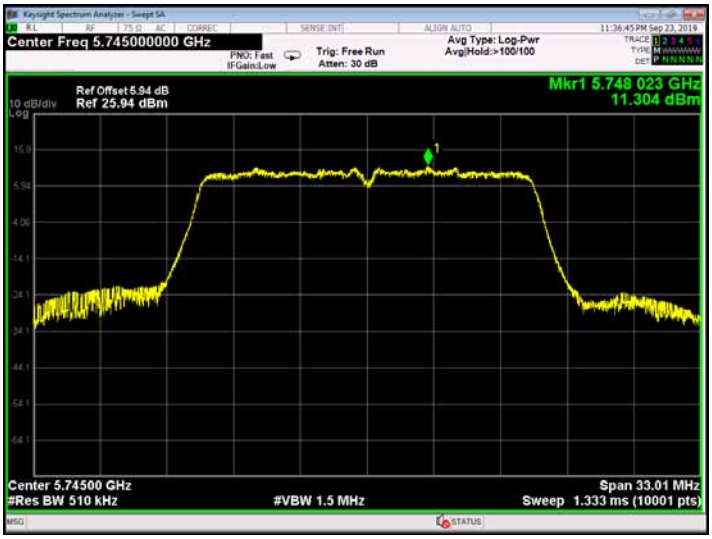

802.11 n(HT20) 5825 MHz


Antenna B
802.11 n(HT20) 5745 MHz

802.11 n(HT20) 5785 MHz

802.11 n(HT20) 5825 MHz


Antenna A
802.11 ac(VHT20) 5745 MHz

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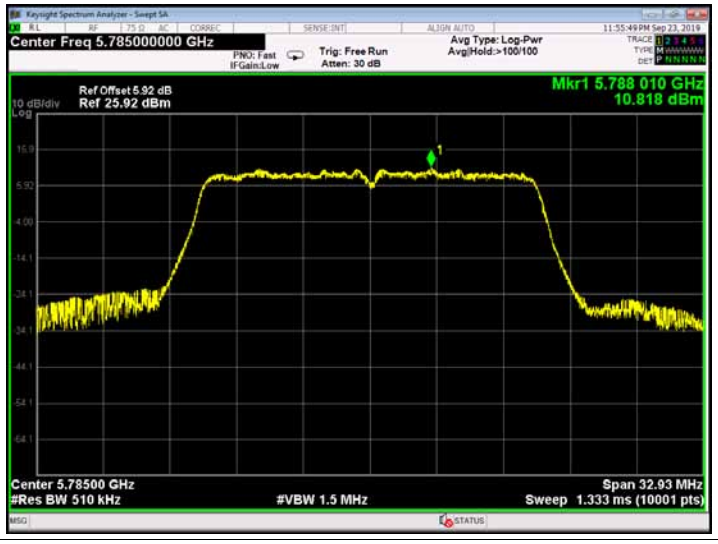
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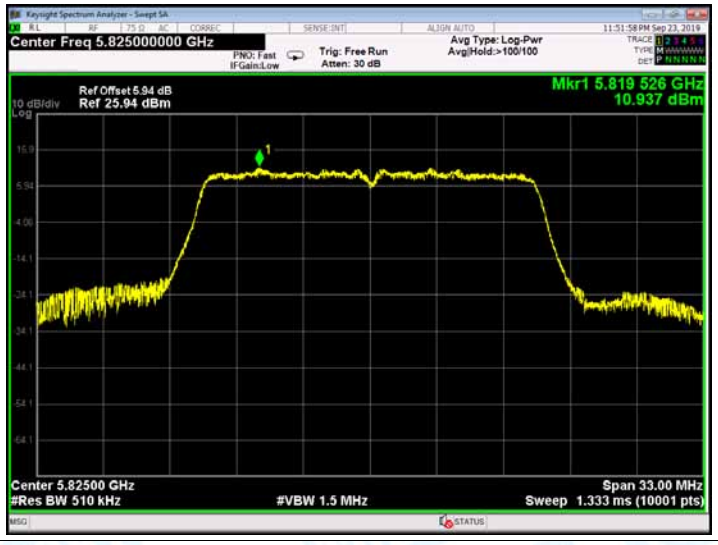
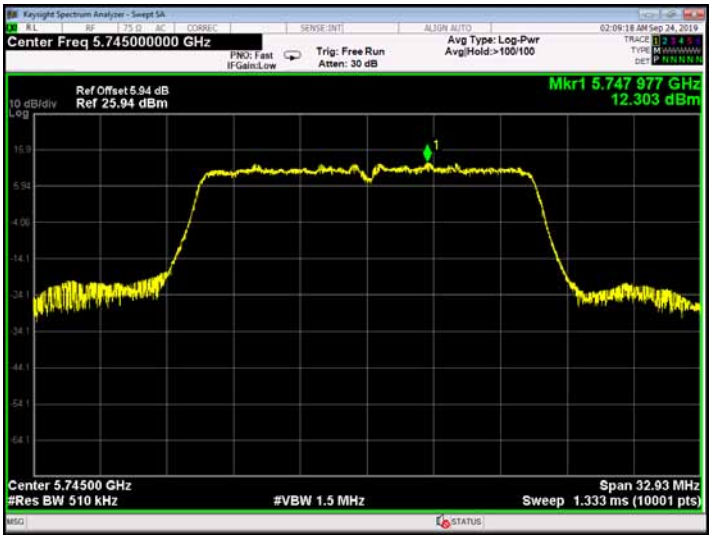
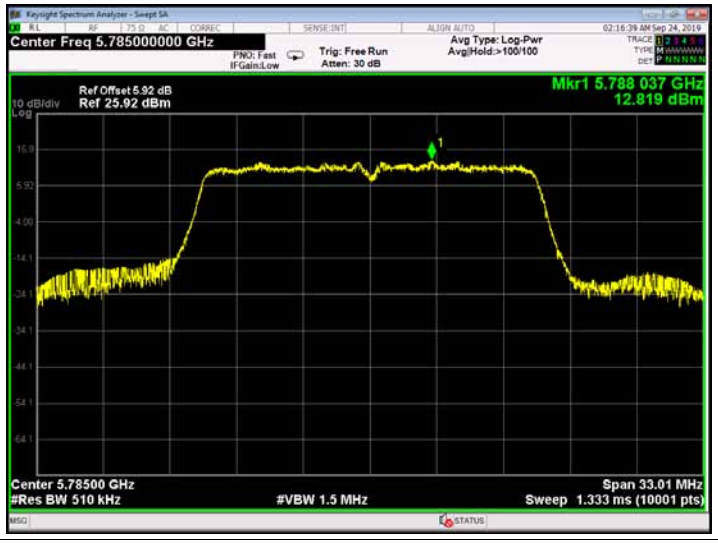


Antenna B
802.11 ac(VHT20) 5745 MHz

802.11 ac(VHT20) 5785 MHz

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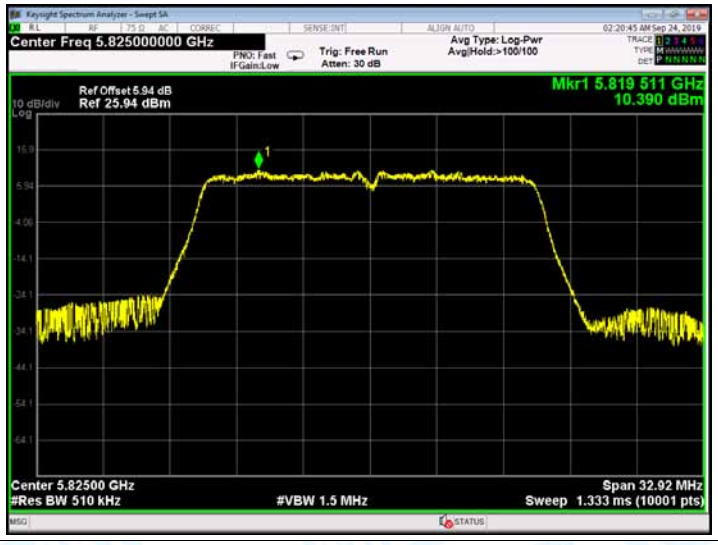
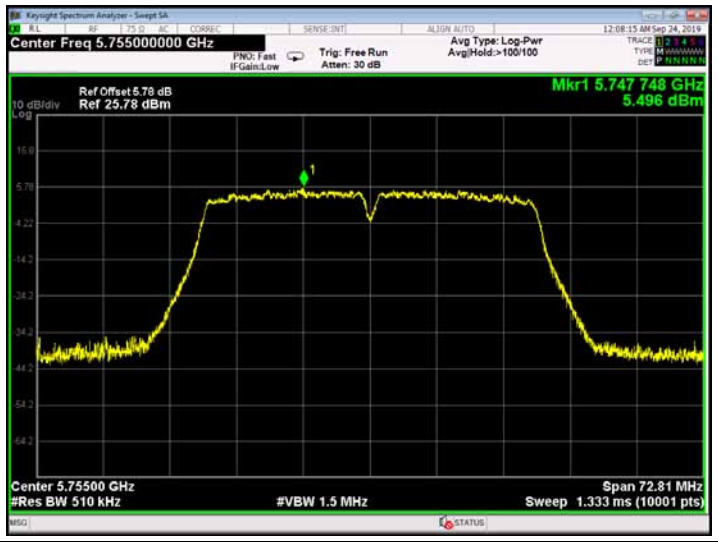
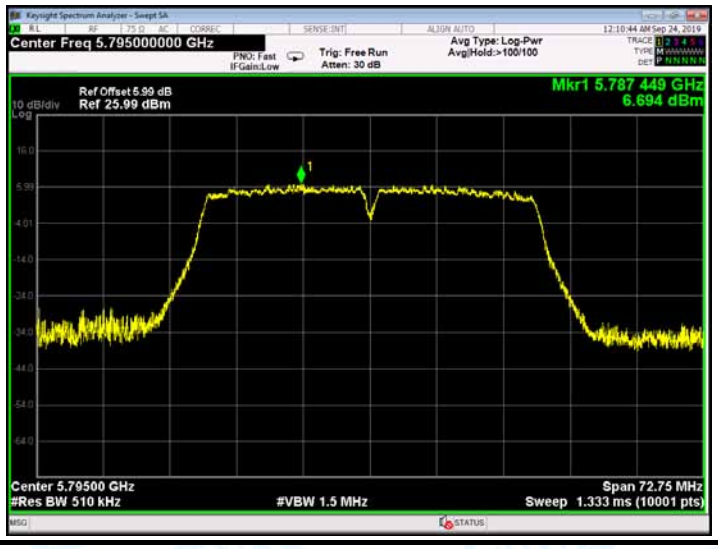
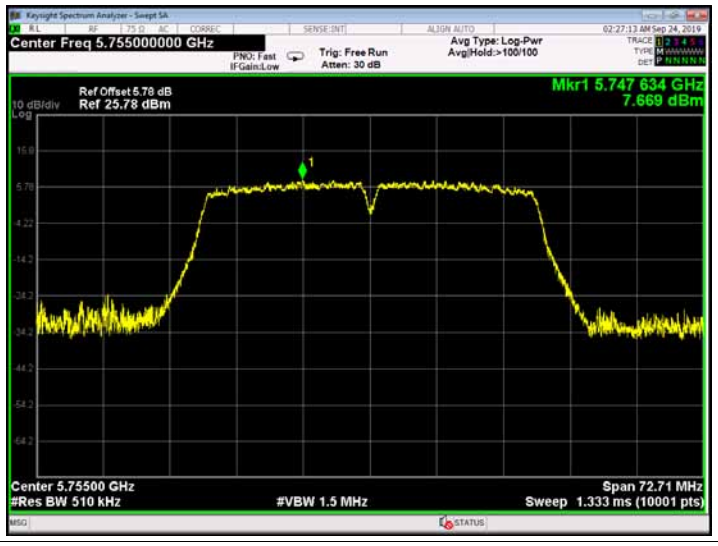


Antenna A
802.11 n(HT40) 5755 MHz

802.11 n(HT40) 5795 MHz


Antenna B
802.11 n(HT40) 5755 MHz

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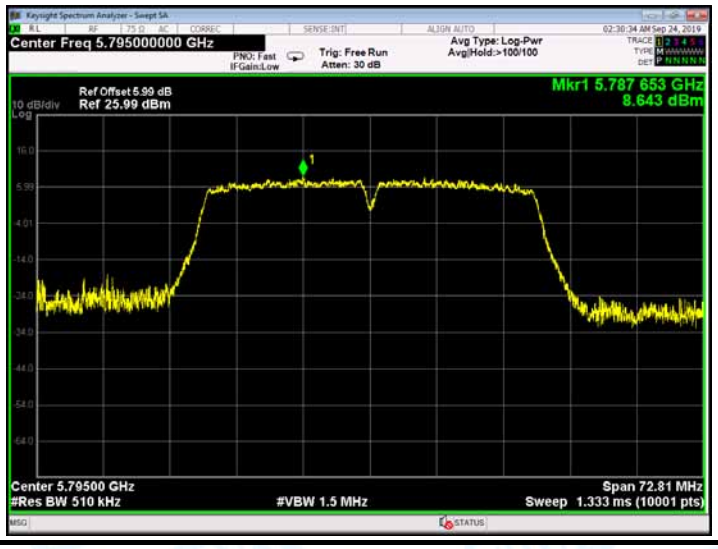
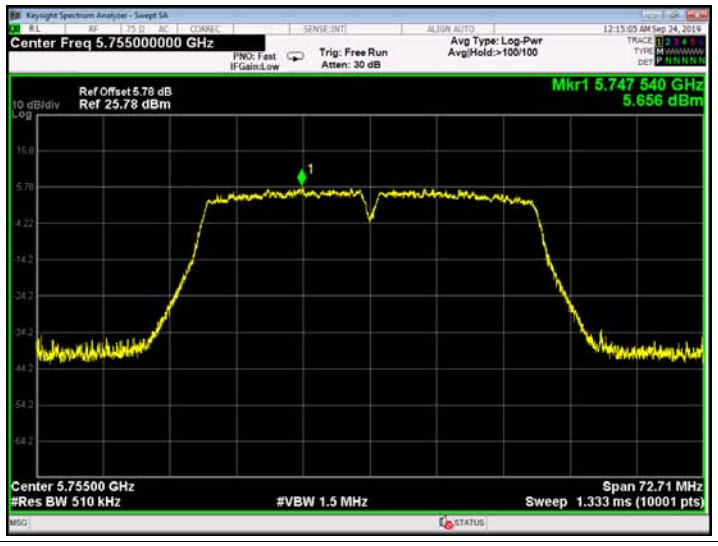


Antenna A
802.11 ac(VHT40) 5755 MHz

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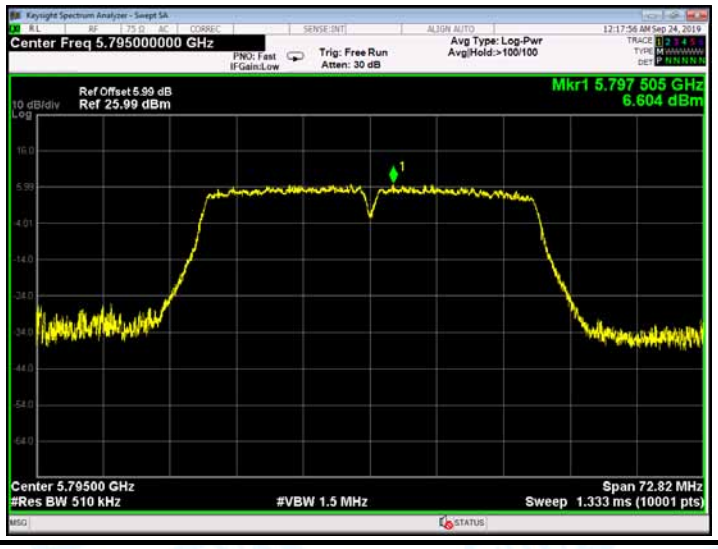
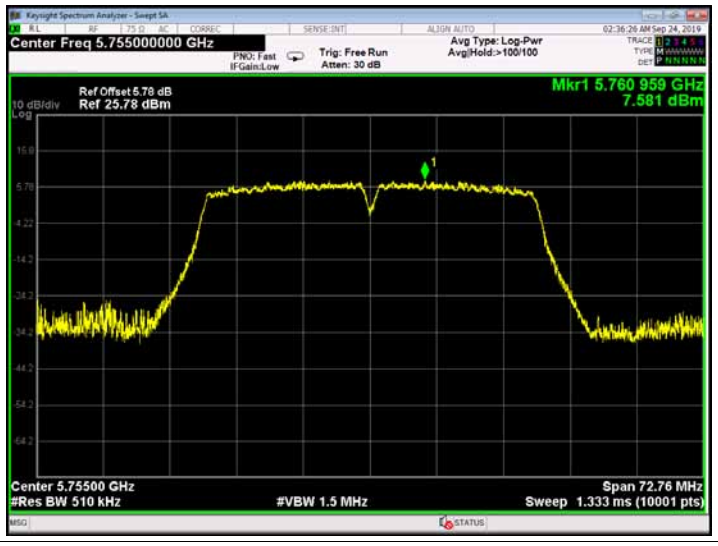
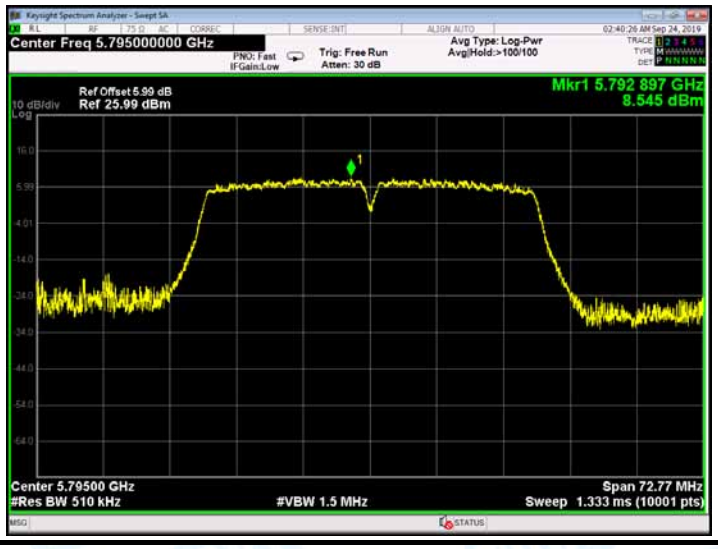
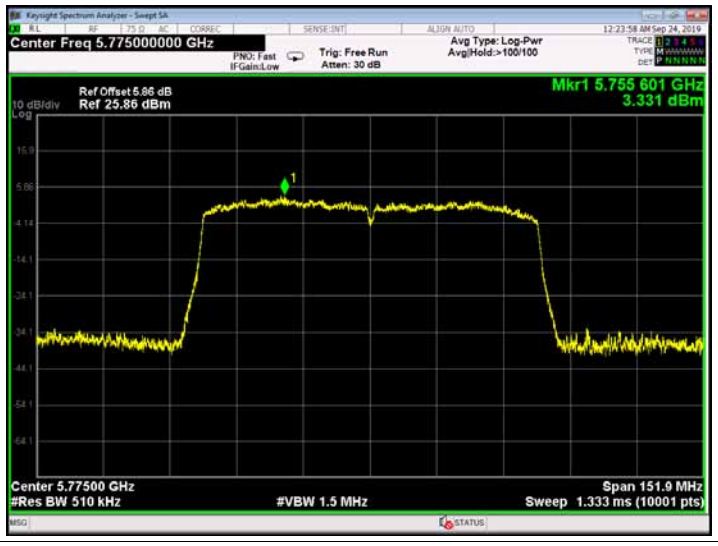
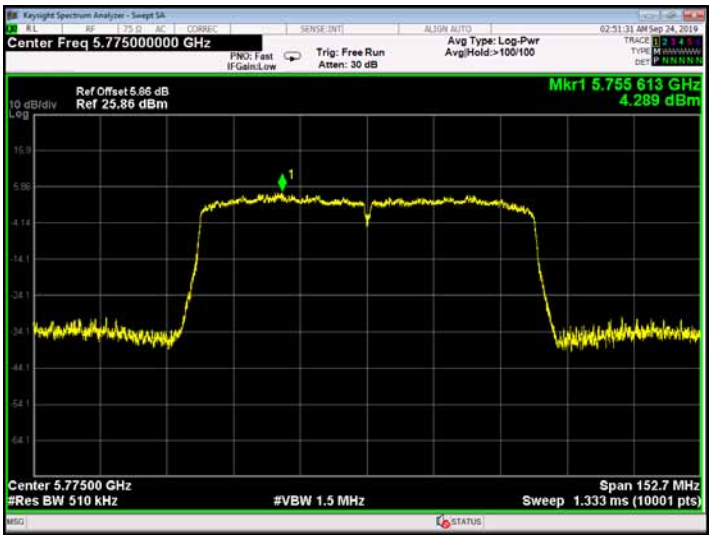


Antenna B
802.11 ac(VHT40) 5755 MHz

802.11 ac(VHT40) 5795 MHz


Antenna A
802.11 ac(VHT80) 5775 MHz

Antenna B
802.11 ac(VHT80) 5775 MHz


Attachment G----Frequency Stability Measurement Data

Only show the worst case 802.11 a Mode 5180MHz.

801.11a U-NII-1: 5180 MHz	
Voltage vs. Frequency Stability	
Voltage (V)	**Measurement Frequency (MHz)**
132	5179.9642
120	5180.0000
118	5179.9585
Max. Deviation (MHz)	0.0415
Max. Deviation (ppm)	8.01
Temperature vs. Frequency Stability	
Temperature (℃)	**Measurement Frequency (MHz)**
0	5179.9752
10	5179.9743
20	5179.9725
30	5179.9765
40	5179.9735
50	5179.9785
Max. Deviation (MHz)	0.0275
Max. Deviation (ppm)	5.31
Limit (ppm)	**20**
Result	**Pass**

Only show the worst case 802.11 a Mode 5745MHz.

801.11a U-NII-3: 5745 MHz	
Voltage vs. Frequency Stability	
Voltage (V)	**Measurement Frequency (MHz)**
132	5744.9658
120	5745.0000
118	5744.9523
Max. Deviation (MHz)	0.0477
Max. Deviation (ppm)	8.30
Temperature vs. Frequency Stability	
Temperature (℃)	**Measurement Frequency (MHz)**
0	5744.9632
10	5744.9724
20	5744.9569
30	5744.9658
40	5744.9515
50	5744.9768
Max. Deviation (MHz)	0.0485
Max. Deviation (ppm)	8.44
Limit (ppm)	**20**
Result	**Pass**

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