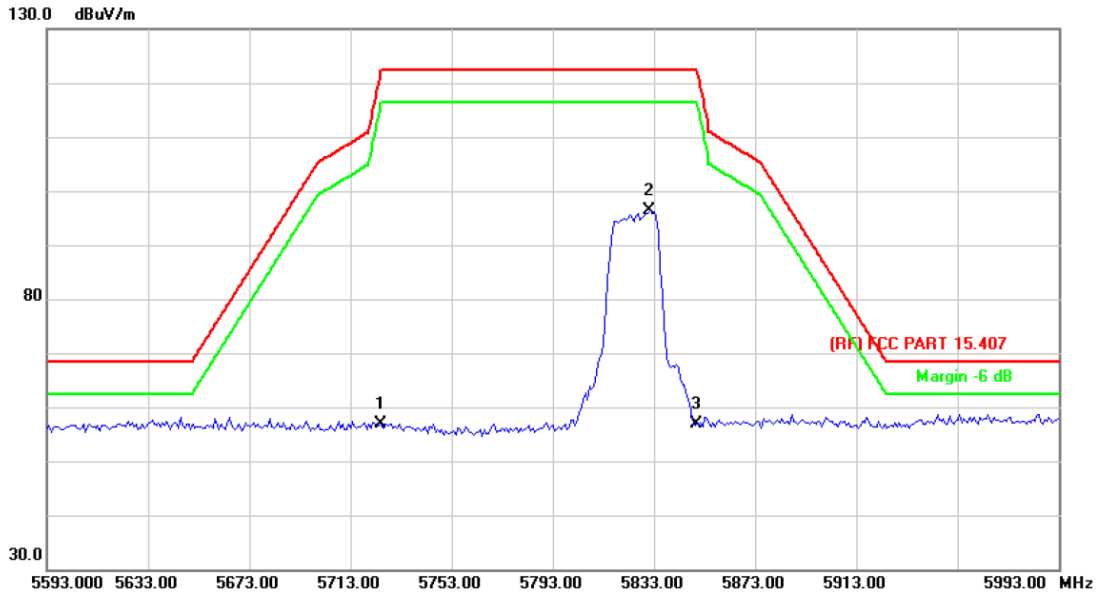


Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.85V		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11ac(VHT20) Mode 5825 MHz (U-NII-3)		
Remark:			

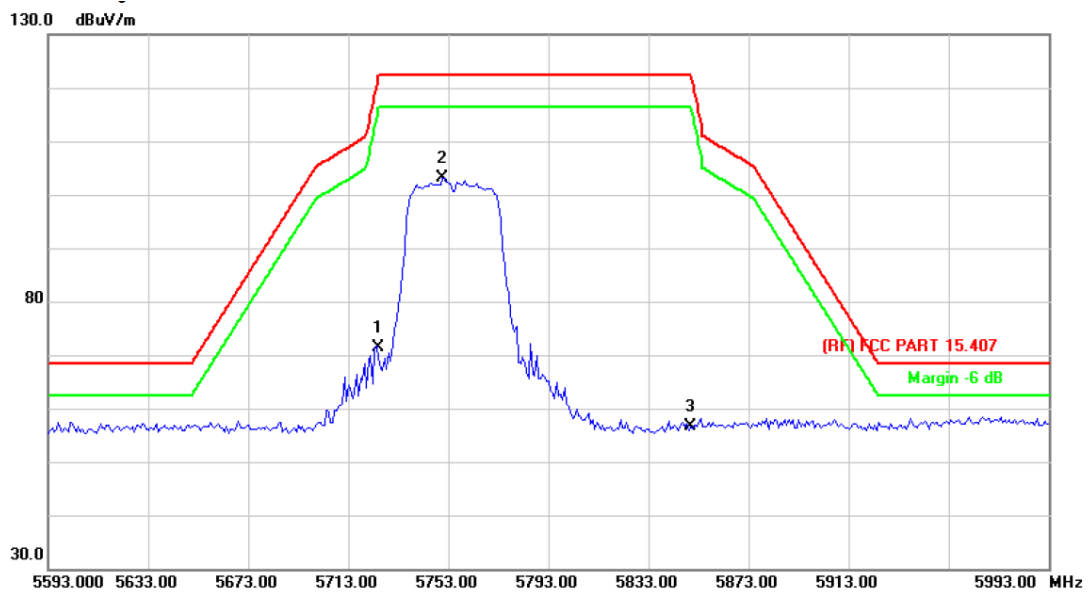


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		5725.000	40.96	15.88	56.84	122.30	-65.46	peak
2	*	5831.400	80.14	16.21	96.35	122.30	-25.95	peak
3		5850.000	40.60	16.27	56.87	122.30	-65.43	peak

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m) = Corr. (dB/m) + Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m) - Limit PK/AVG (dBμV/m)

Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.85V		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11n(HT40) Mode 5755 MHz (U-NII-3)		
Remark:			

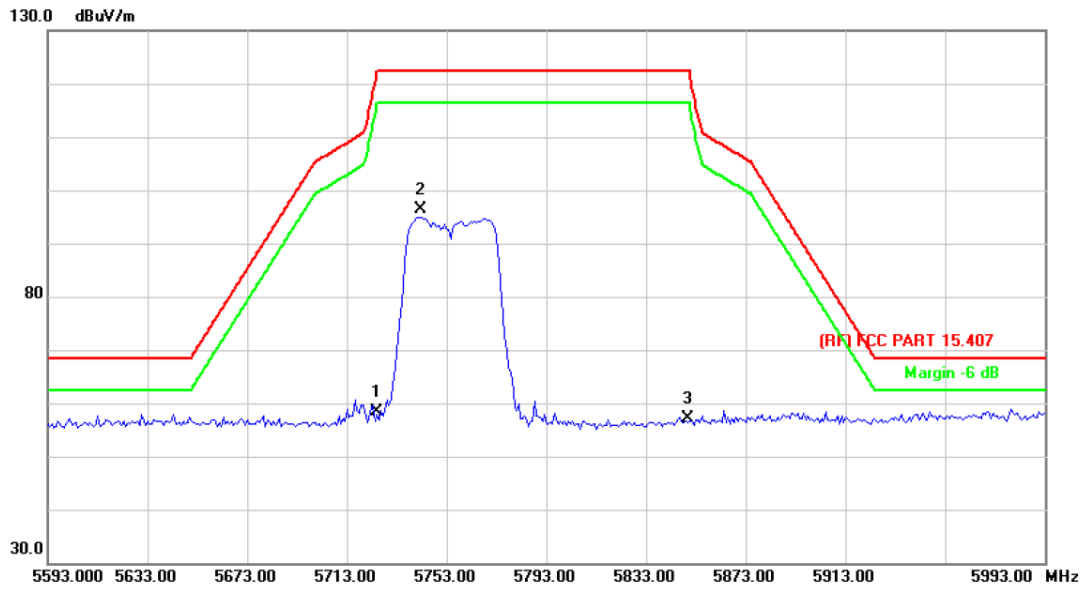


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		5725.000	55.57	15.88	71.45	122.30	-50.85	peak
2	*	5750.600	87.12	15.96	103.08	122.30	-19.22	peak
3		5850.000	40.33	16.27	56.60	122.30	-65.70	peak

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m) = Corr. (dB/m) + Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m) - Limit PK/AVG (dBμV/m)

Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.85V		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11n(HT40) Mode 5755 MHz (U-NII-3)		
Remark:			

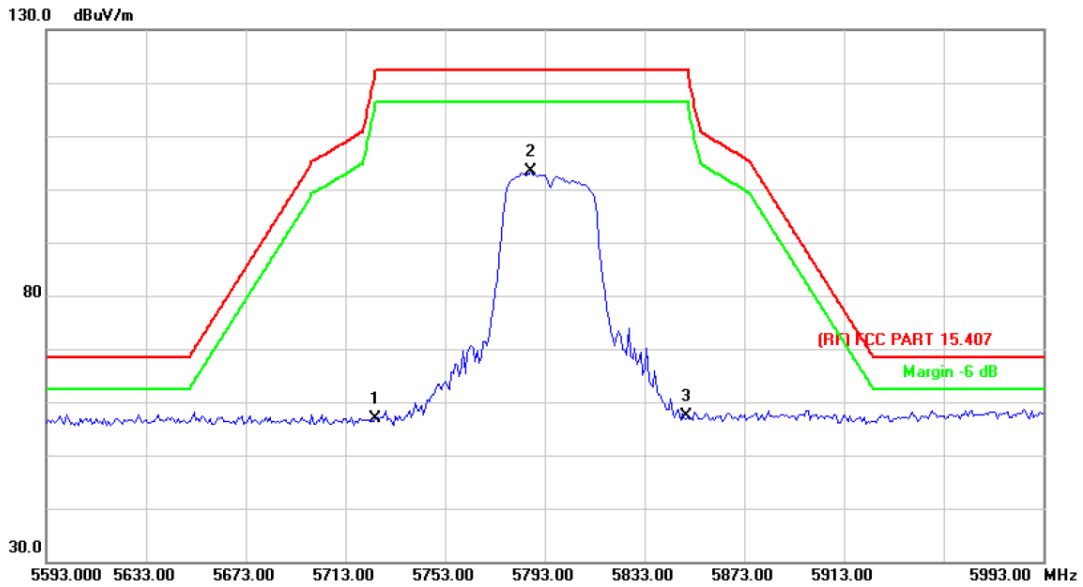


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		5725.000	42.48	15.88	58.36	122.30	-63.94	peak
2	*	5742.600	80.38	15.94	96.32	122.30	-25.98	peak
3		5850.000	40.88	16.27	57.15	122.30	-65.15	peak

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m) = Corr. (dB/m) + Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m) - Limit PK/AVG (dBμV/m)

Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.85V		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11n(HT40) Mode 5795 MHz (U-NII-3)		
Remark:			

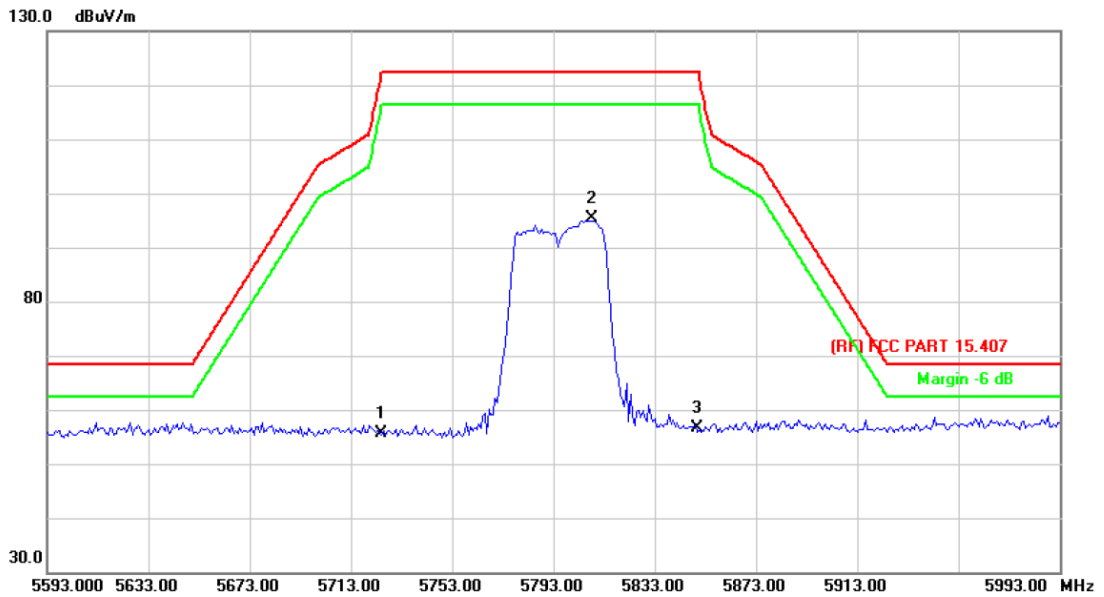


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		5725.000	40.93	15.88	56.81	122.30	-65.49	peak
2	*	5787.400	87.21	16.07	103.28	122.30	-19.02	peak
3		5850.000	40.99	16.27	57.26	122.30	-65.04	peak

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m) = Corr. (dB/m) + Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m) - Limit PK/AVG (dBμV/m)

Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.85V		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11n(HT40) Mode 5795 MHz (U-NII-3)		
Remark:			

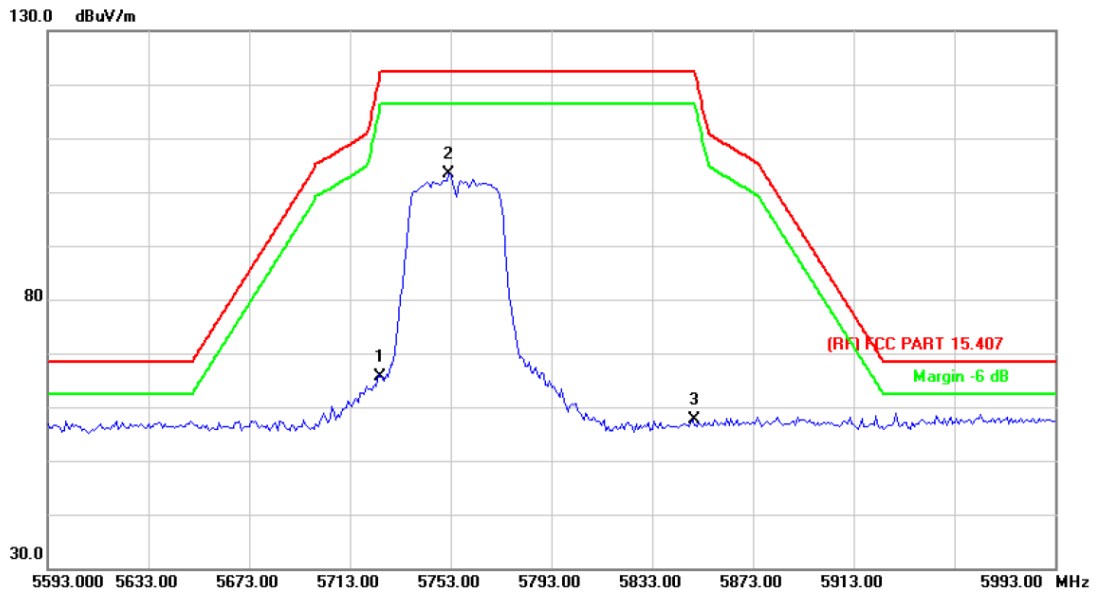


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		5725.000	39.73	15.88	55.61	122.30	-66.69	peak
2	*	5808.200	79.21	16.14	95.35	122.30	-26.95	peak
3		5850.000	40.42	16.27	56.69	122.30	-65.61	peak

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m) = Corr. (dB/m) + Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m) - Limit PK/AVG (dBμV/m)

Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.85V		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11ac(VHT40) Mode 5755 MHz (U-NII-3)		
Remark:			

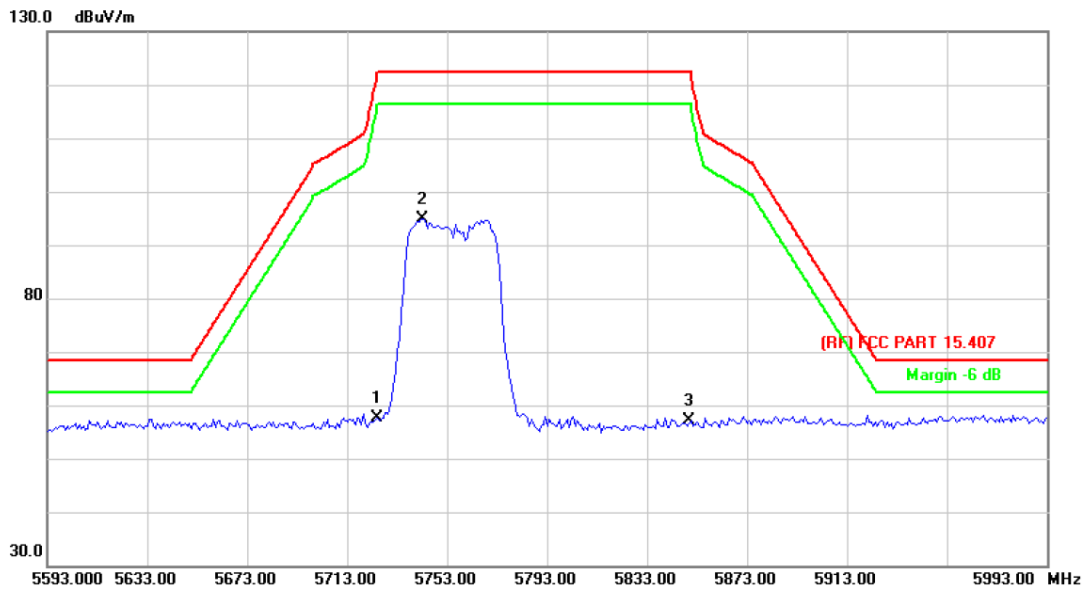


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		5725.000	49.77	15.88	65.65	122.30	-56.65	peak
2	*	5752.200	87.40	15.97	103.37	122.30	-18.93	peak
3		5850.000	41.43	16.27	57.70	122.30	-64.60	peak

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.85V		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11ac(VHT40) Mode 5755 MHz (U-NII-3)		
Remark:			

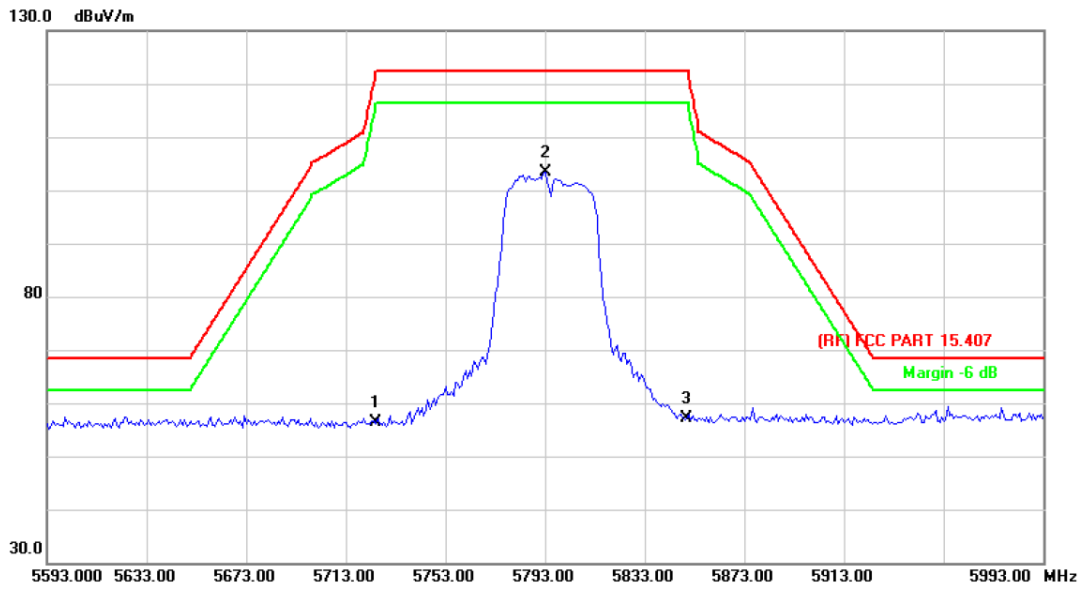


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		5725.000	41.77	15.88	57.65	122.30	-64.65	peak
2	*	5743.400	78.96	15.94	94.90	122.30	-27.40	peak
3		5850.000	40.92	16.27	57.19	122.30	-65.11	peak

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m) = Corr. (dB/m) + Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m) - Limit PK/AVG (dBμV/m)

Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.85V		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11ac(VHT40) Mode 5795 MHz (U-NII-3)		
Remark:			



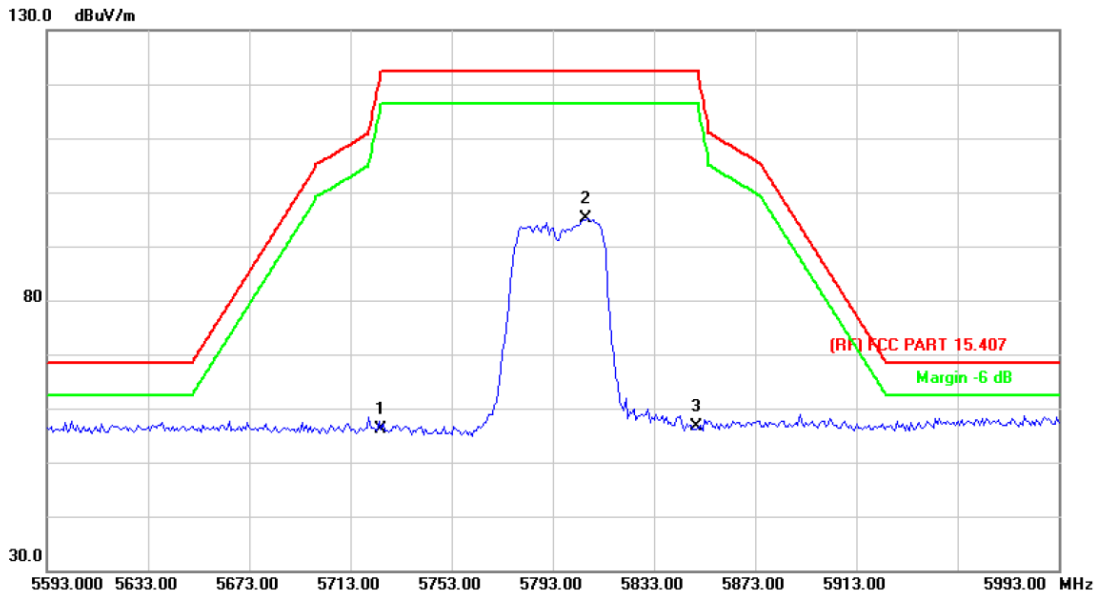
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		5725.000	40.56	15.88	56.44	122.30	-65.86	peak
2	*	5793.000	87.37	16.09	103.46	122.30	-18.84	peak
3		5850.000	40.96	16.27	57.23	122.30	-65.07	peak

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m) = Corr. (dB/m) + Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m) - Limit PK/AVG (dBμV/m)



Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.85V		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11ac(VHT40) Mode 5795 MHz (U-NII-3)		
Remark:			

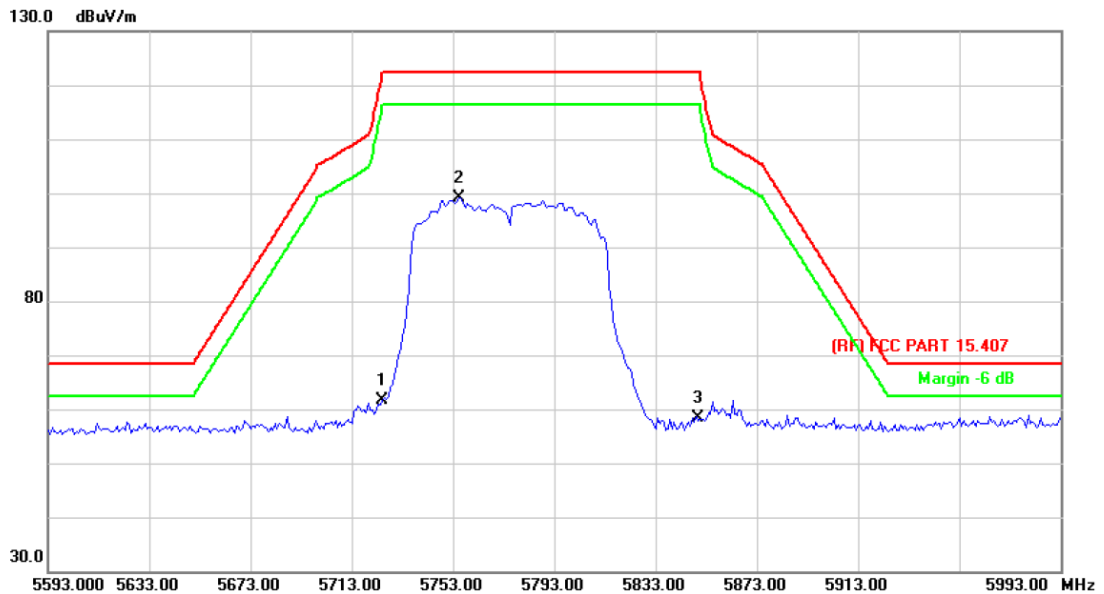


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		5725.000	40.36	15.88	56.24	122.30	-66.06	peak
2	*	5805.800	79.06	16.14	95.20	122.30	-27.10	peak
3		5850.000	40.45	16.27	56.72	122.30	-65.58	peak

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m) = Corr. (dB/m) + Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m) - Limit PK/AVG (dBμV/m)

Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.85V		
Ant. Pol.	Horizontal		
Test Mode:	TX 802.11ac(VHT80) Mode 5775 MHz (U-NII-3)		
Remark:			

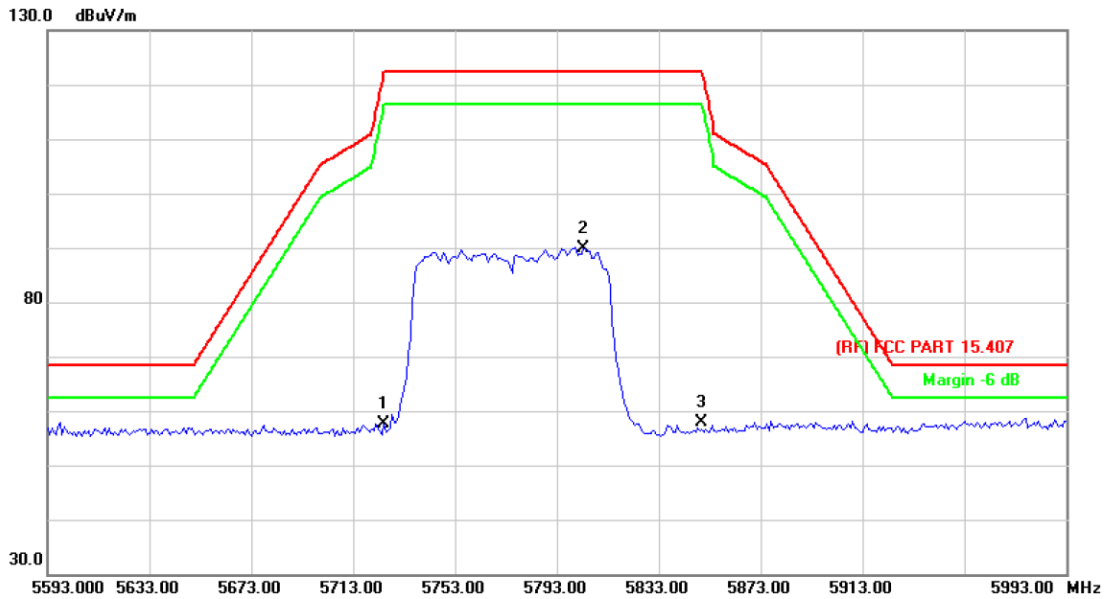


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		5725.000	45.63	15.88	61.51	122.30	-60.79	peak
2	*	5755.400	83.27	15.98	99.25	122.30	-23.05	peak
3		5850.000	42.07	16.27	58.34	122.30	-63.96	peak

**Remark:**

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)

Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.85V		
Ant. Pol.	Vertical		
Test Mode:	TX 802.11ac(VHT80) Mode 5775 MHz (U-NII-3)		
Remark:			



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		5725.000	41.84	15.88	57.72	122.30	-64.58	peak
2	*	5803.400	73.74	16.13	89.87	122.30	-32.43	peak
3		5850.000	41.53	16.27	57.80	122.30	-64.50	peak

**Remark:**

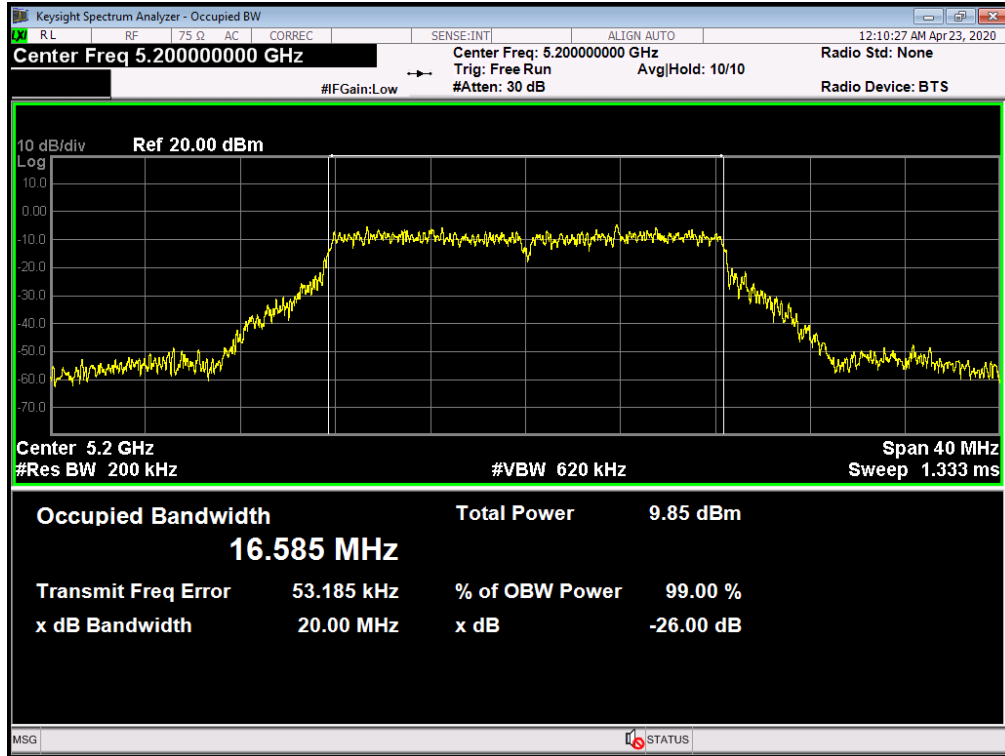
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBuV/m) = Corr. (dB/m) + Read Level (dBuV)
3. Margin (dB) = Peak/AVG (dBuV/m) - Limit PK/AVG (dBuV/m)

## Attachment D--Bandwidth Test Data

Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.85V		
Test Mode:	TX 802.11a Mode (U-NII-1)		
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
36	5180	20.72	16.572
40	5200	20.00	16.585
48	5240	20.43	16.535
<b>802.11a Mode</b>			
<b>5180 MHz</b>			

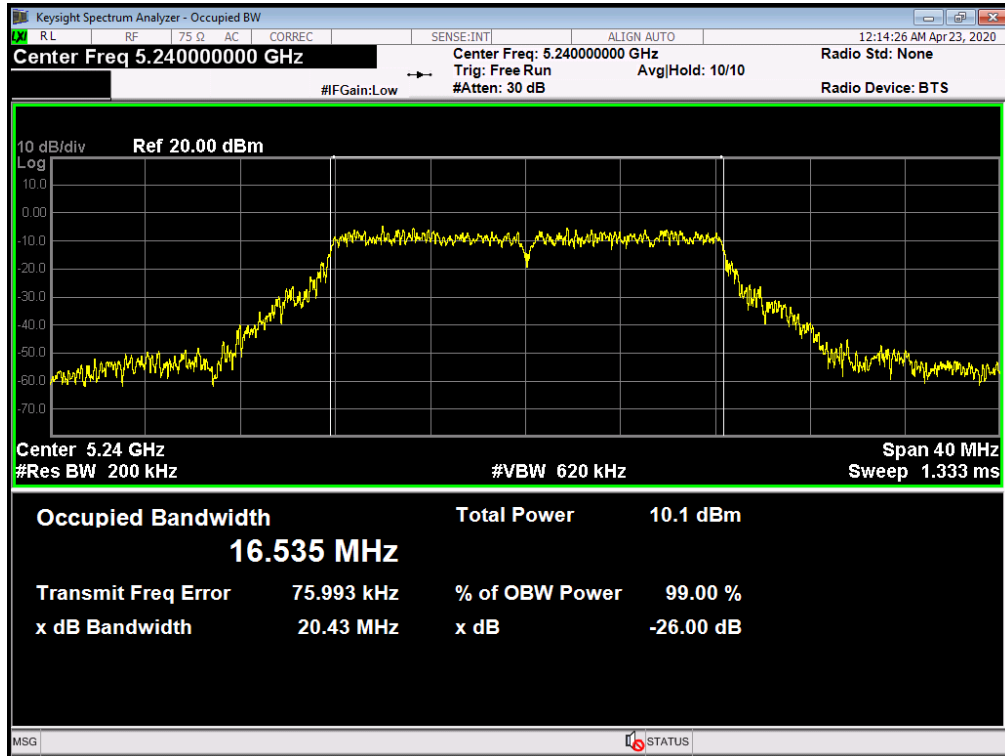
**802.11a Mode**

**5200 MHz**



**802.11a Mode**

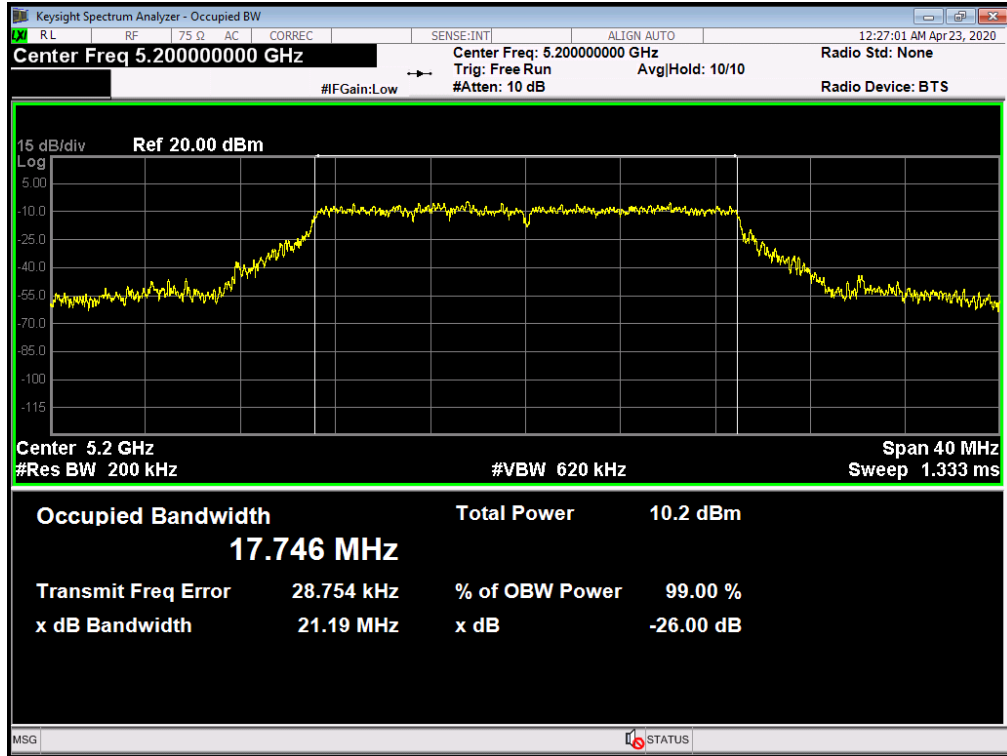
**5240 MHz**



Temperature:	25 °C	Relative Humidity:	55%												
Test Voltage:	DC 3.85V														
Test Mode:	TX 802.11n(HT20) Mode (U-NII-1)														
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)												
36	5180	21.53	17.681												
40	5200	21.19	17.747												
48	5240	21.13	17.709												
<b>802.11n(HT20) Mode</b>															
<b>5180 MHz</b>															
<p>Keysight Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.18000000 GHz Trig: Free Run #Attenu: 30 dB</p> <p>Radio Std: None Radio Device: BTS</p> <p>10 dB/div Ref 20.00 dBm</p> <p>Center 5.18 GHz #Res BW 200 kHz #VBW 620 kHz Span 40 MHz Sweep 1.333 ms</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>10.1 dBm</td> </tr> <tr> <td><b>17.681 MHz</b></td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error</td> <td>69.611 kHz</td> <td>% of OBW Power 99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>21.53 MHz</td> <td>x dB -26.00 dB</td> </tr> </table>				Occupied Bandwidth	Total Power	10.1 dBm	<b>17.681 MHz</b>			Transmit Freq Error	69.611 kHz	% of OBW Power 99.00 %	x dB Bandwidth	21.53 MHz	x dB -26.00 dB
Occupied Bandwidth	Total Power	10.1 dBm													
<b>17.681 MHz</b>															
Transmit Freq Error	69.611 kHz	% of OBW Power 99.00 %													
x dB Bandwidth	21.53 MHz	x dB -26.00 dB													

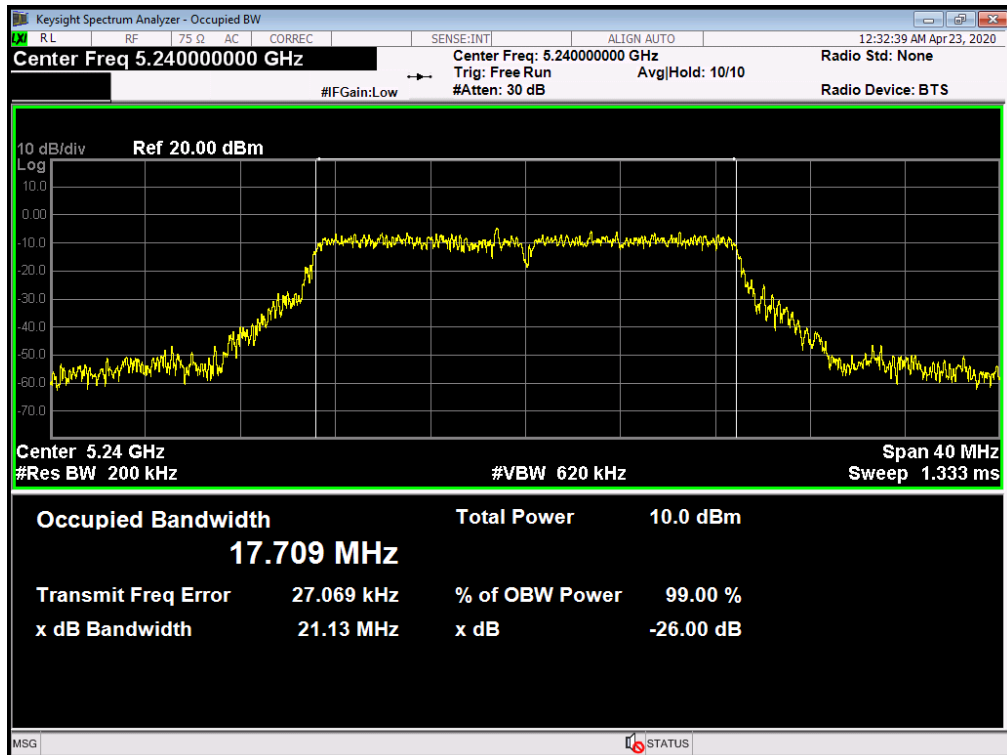
**802.11n(HT20) Mode**

**5200 MHz**



**802.11n(HT20) Mode**

**5240 MHz**

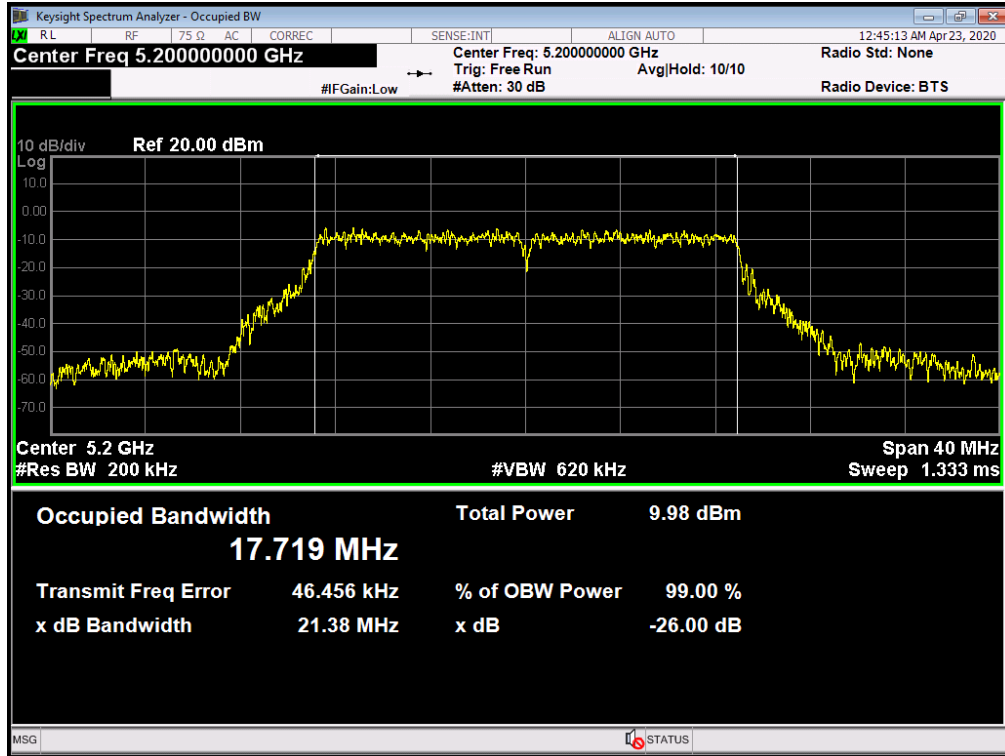


Temperature:	25 °C	Relative Humidity:	55%												
Test Voltage:	DC 3.85V														
Test Mode:	TX 802.11ac(VHT20) Mode (U-NII-1)														
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)												
36	5180	20.13	16.607												
40	5200	21.38	17.719												
48	5240	21.61	17.800												
<b>802.11ac(VHT20) Mode</b>															
<b>5180 MHz</b>															
<p>Keysight Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.18000000 GHz Trig: Free Run #Atten: 30 dB</p> <p>Radio Std: None Radio Device: BTS</p> <p>10 dB/div Ref 20.00 dBm</p> <p>Center 5.18 GHz #Res BW 200 kHz #VBW 620 kHz Span 40 MHz Sweep 1.333 ms</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>10.1 dBm</td> </tr> <tr> <td><b>16.607 MHz</b></td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error</td> <td>48.784 kHz</td> <td>% of OBW Power 99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>20.13 MHz</td> <td>x dB -26.00 dB</td> </tr> </table>				Occupied Bandwidth	Total Power	10.1 dBm	<b>16.607 MHz</b>			Transmit Freq Error	48.784 kHz	% of OBW Power 99.00 %	x dB Bandwidth	20.13 MHz	x dB -26.00 dB
Occupied Bandwidth	Total Power	10.1 dBm													
<b>16.607 MHz</b>															
Transmit Freq Error	48.784 kHz	% of OBW Power 99.00 %													
x dB Bandwidth	20.13 MHz	x dB -26.00 dB													



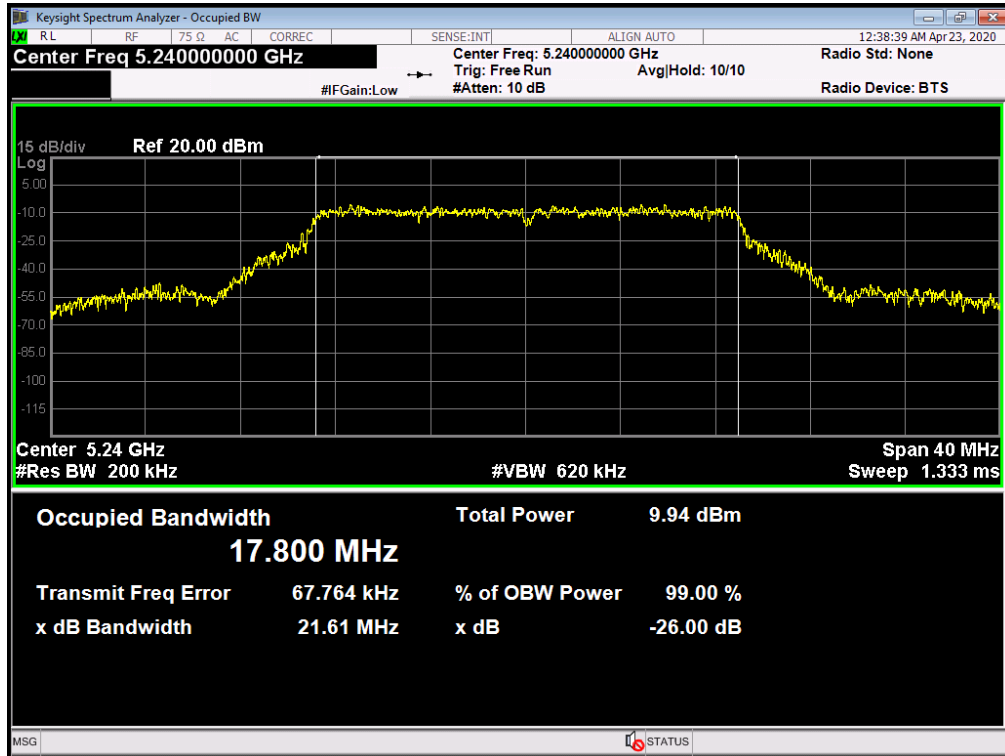
**802.11ac(VHT20) Mode**

**5200 MHz**



**802.11ac(VHT20) Mode**

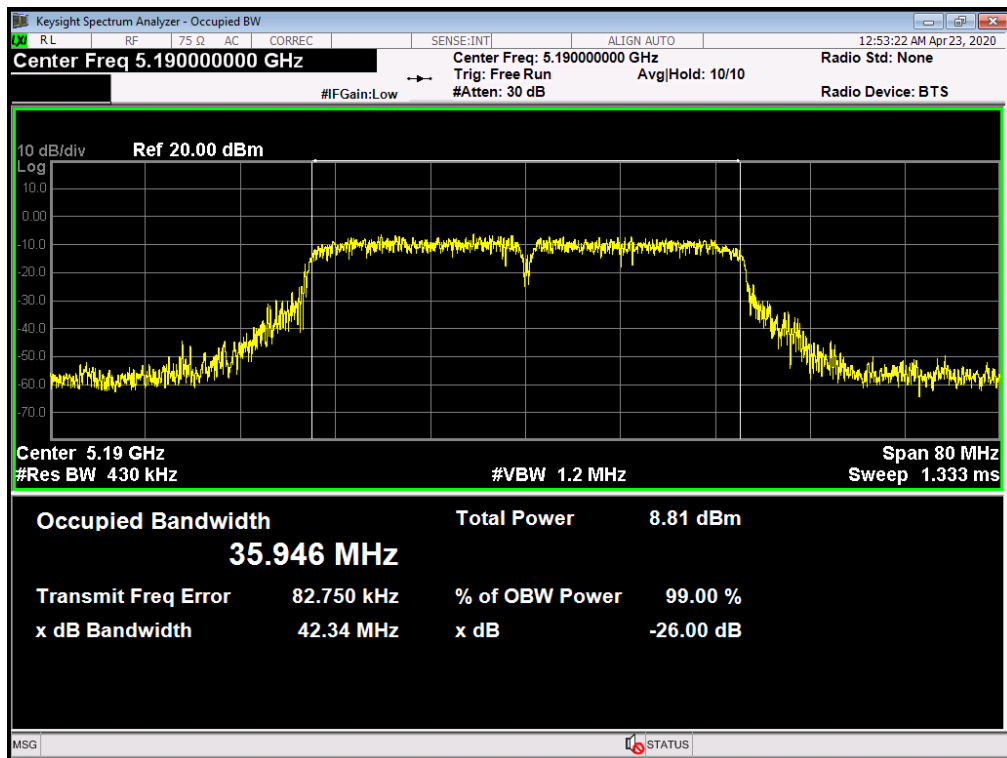
**5240 MHz**



Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.85V		
Test Mode:	TX 802.11N(HT40) Mode (U-NII-1)		
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
38	5190	42.34	35.946
46	5230	40.48	35.964

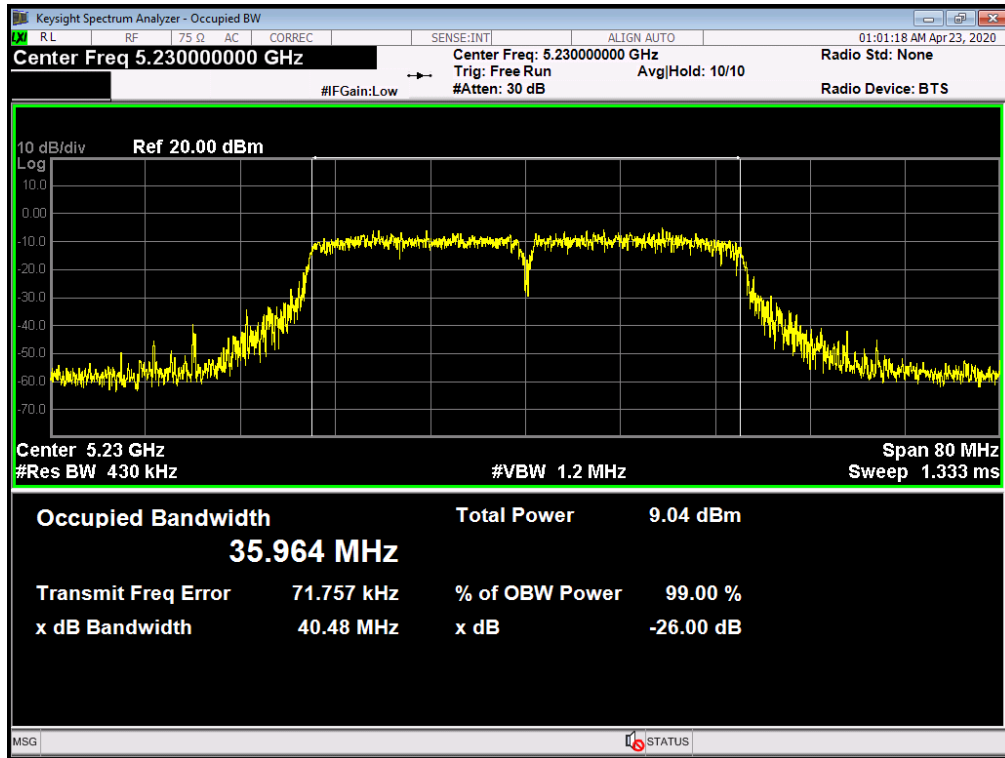
**802.11N(HT40) Mode**

**5190 MHz**



**802.11N(HT40) Mode**

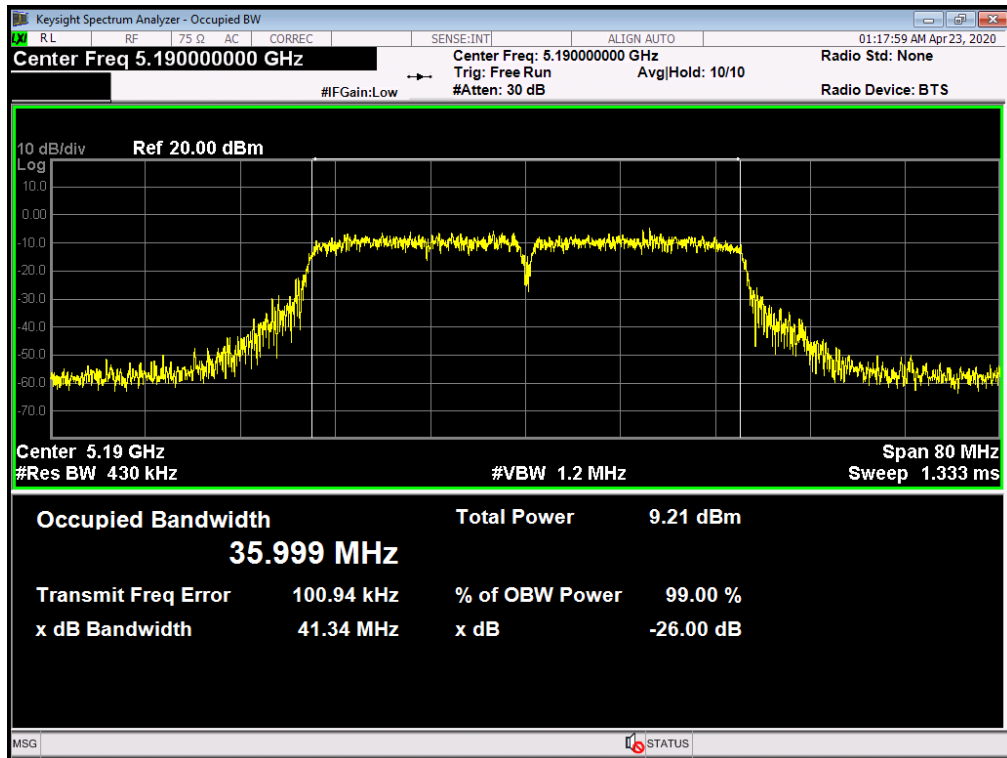
**5230 MHz**



<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	DC 3.85V		
<b>Test Mode:</b>	TX 802.11ac(VHT40) Mode (U-NII-1)		
<b>Channel</b>	<b>Frequency (MHz)</b>	<b>26dB Bandwidth (MHz)</b>	<b>99% Bandwidth (MHz)</b>
38	5190	41.34	35.999
46	5230	40.79	36.040

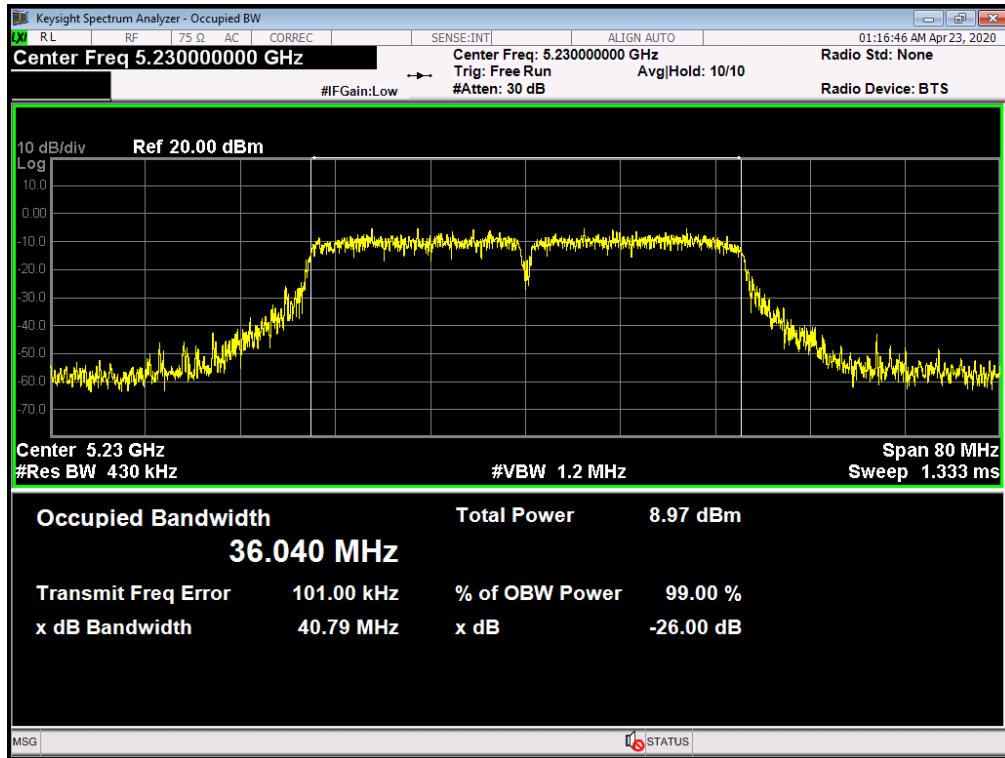
**802.11ac(VHT40) Mode**

**5190 MHz**



**802.11ac(VHT40) Mode**

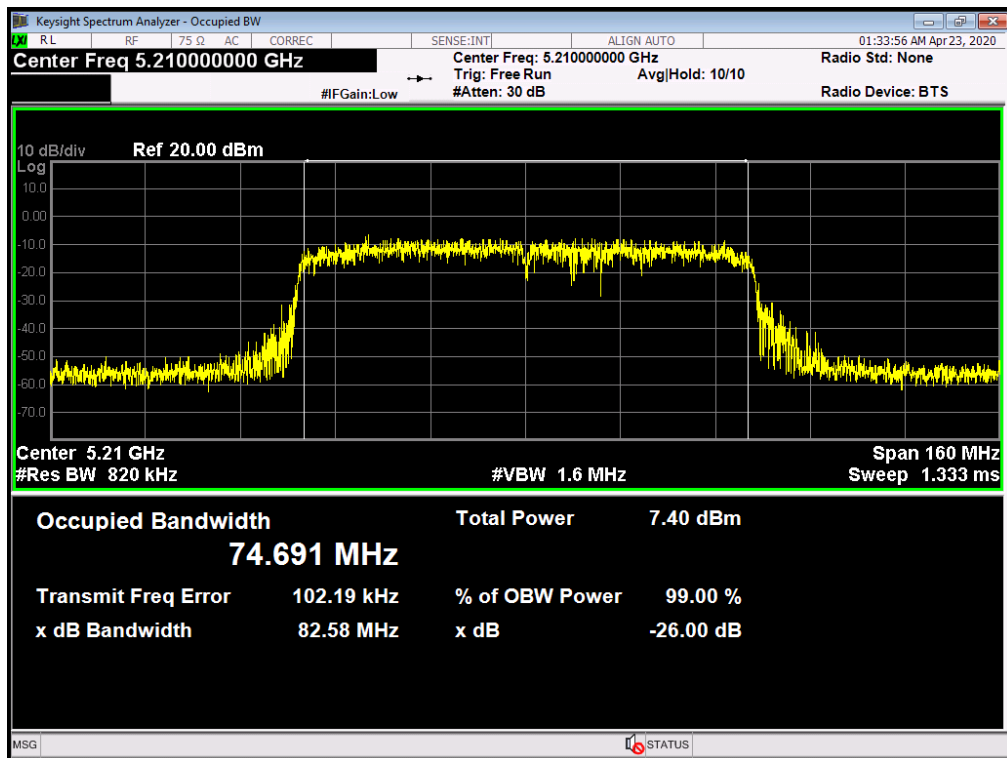
**5230 MHz**



Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.85V		
Test Mode:	TX 802.11ac(VHT80) Mode (U-NII-1)		
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
42	5210	82.58	74.691

**802.11ac(VHT80) Mode**

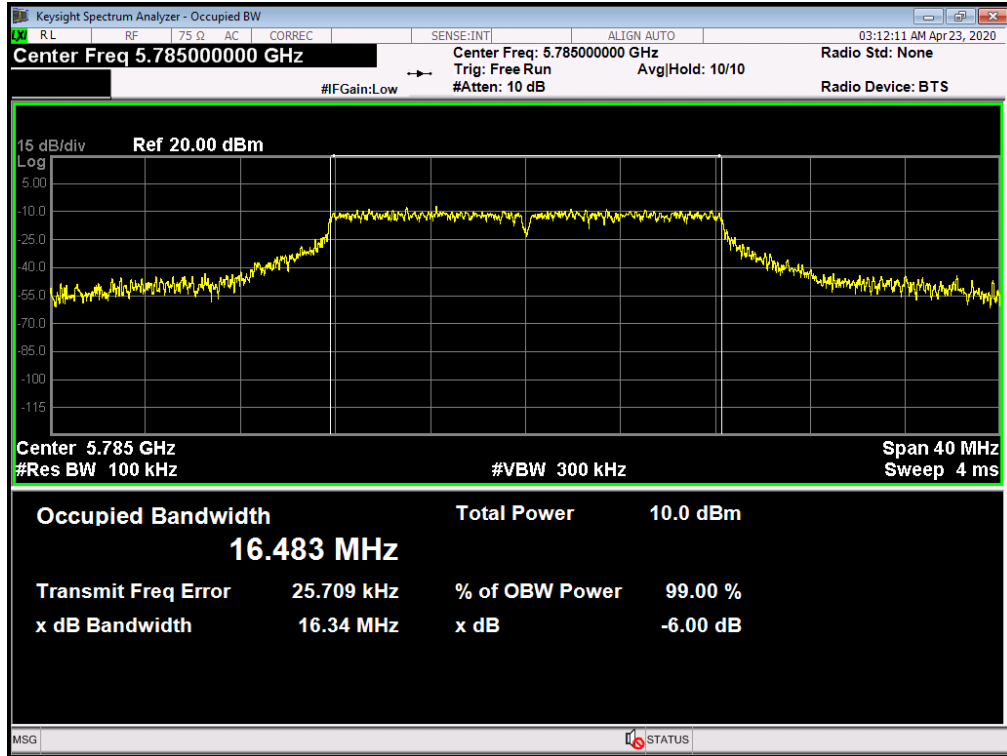
**5210 MHz**



Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.85V		
Test Mode:	TX 802.11a Mode (U-NII-3)		
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
149	5745	16.56	16.475
157	5785	16.34	16.483
165	5825	16.34	16.466
<b>802.11a Mode</b>			
<b>5745 MHz</b>			

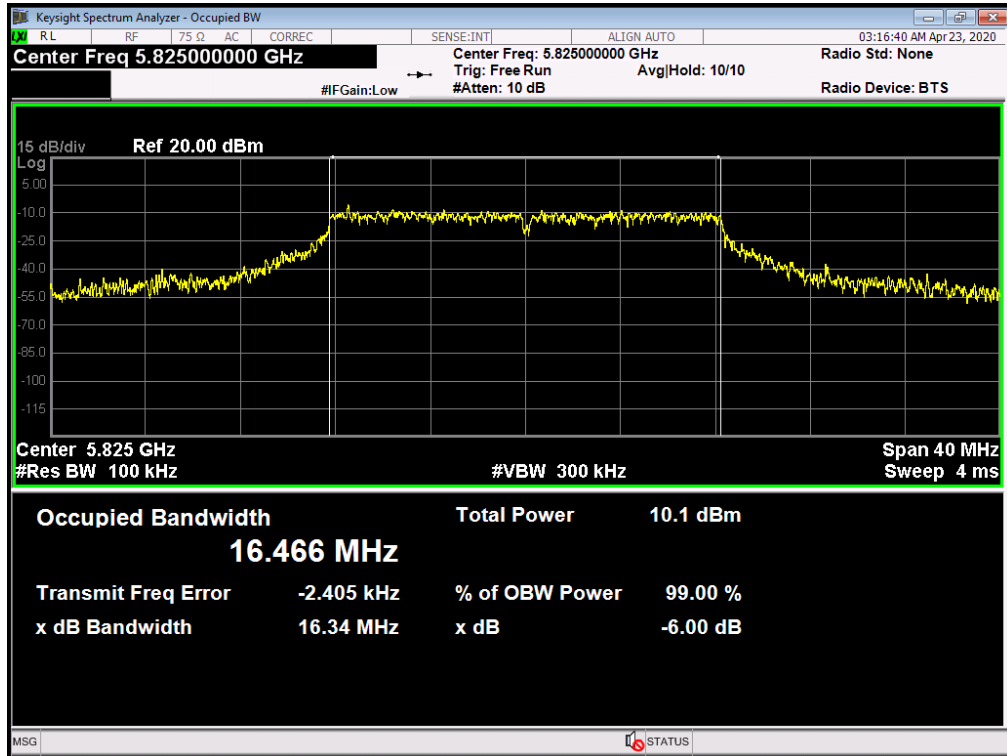
**802.11a Mode**

**5785 MHz**



**802.11a Mode**

**5825 MHz**

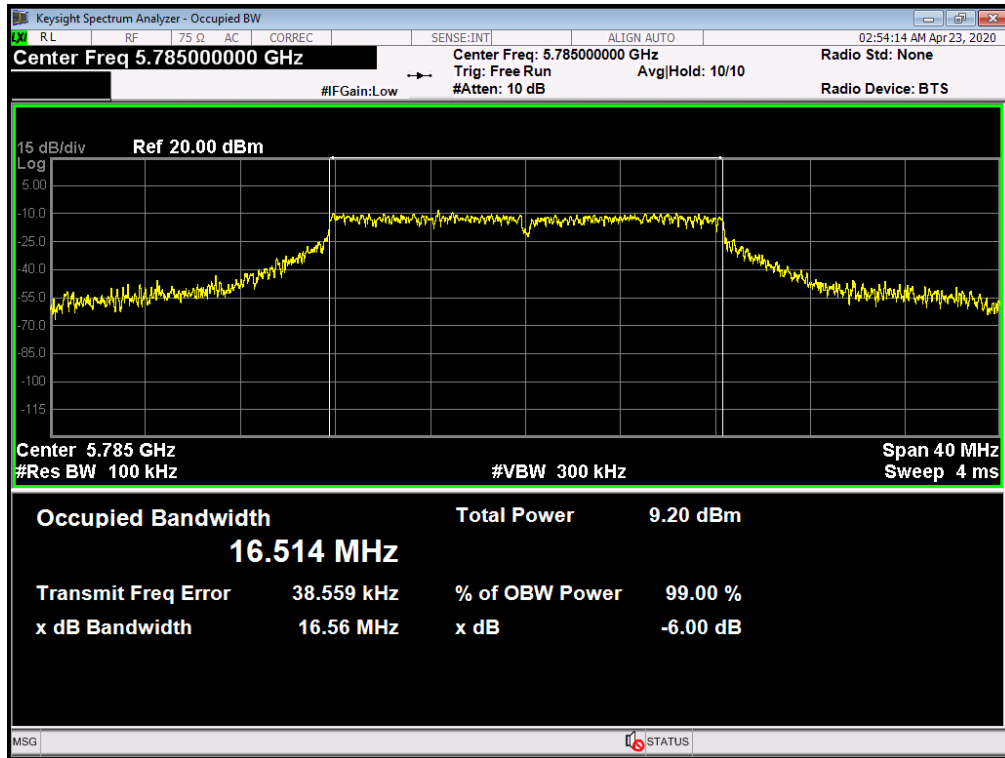




<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	DC 3.85V		
<b>Test Mode:</b>	TX 802.11n(HT20) Mode (U-NII-3)		
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
149	5745	16.35	16.492
157	5785	16.56	16.514
165	5825	17.29	17.653
<b>802.11n(HT20) Mode</b>			
<b>5745 MHz</b>			
<p>Keysight Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.74500000 GHz #Res BW 100 kHz #VBW 300 kHz Span 40 MHz Sweep 4 ms</p> <p>Occupied Bandwidth: <b>16.492 MHz</b> Total Power: 10.2 dBm Transmit Freq Error: 32.401 kHz % of OBW Power: 99.00 % x dB Bandwidth: 16.35 MHz x dB: -6.00 dB</p>			

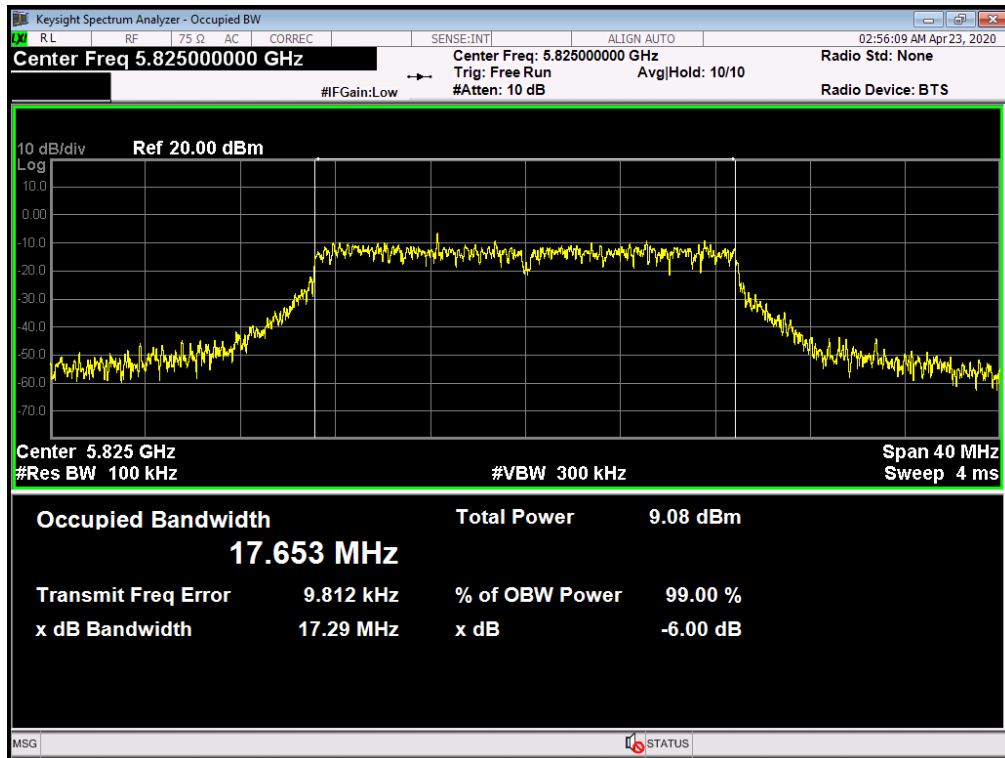
**802.11n(HT20) Mode**

**5785 MHz**



**802.11n(HT20) Mode**

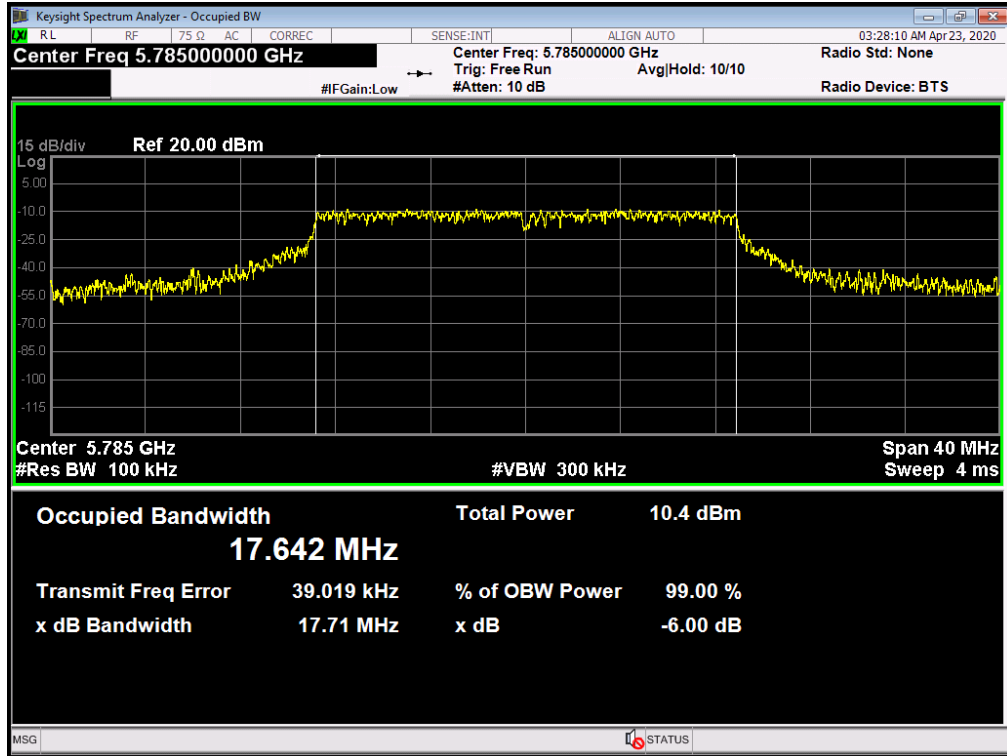
**5825 MHz**



<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	DC 3.85V		
<b>Test Mode:</b>	TX 802.11ac(VHT20) Mode (U-NII-3)		
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
149	5745	17.18	17.659
157	5785	17.71	17.642
165	5825	17.49	17.666
<b>802.11ac(VHT20) Mode</b>			
<b>5745 MHz</b>			
<p>Keysight Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 5.74500000 GHz          #Res BW: 100 kHz          #VBW: 300 kHz          Span: 40 MHz          Sweep: 4 ms</p> <p>Occupied Bandwidth: <b>17.659 MHz</b>          Total Power: 11.1 dBm</p> <p>Transmit Freq Error: 23.820 kHz          % of OBW Power: 99.00 %          x dB Bandwidth: 17.18 MHz          x dB: -6.00 dB</p>			

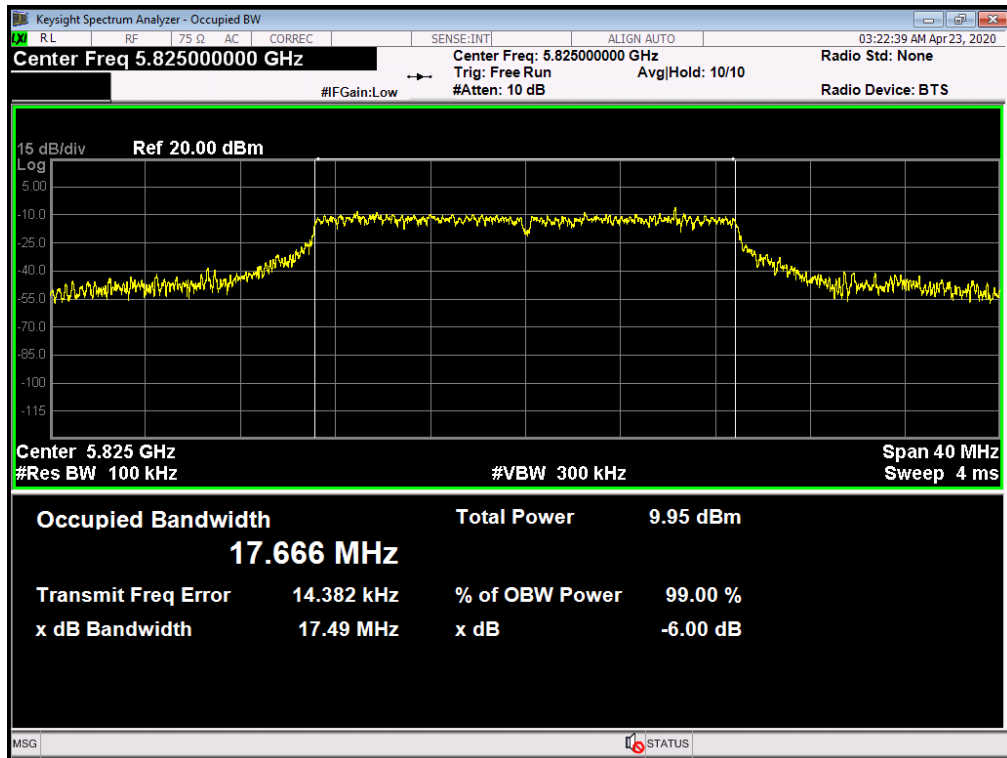
**802.11ac(VHT20) Mode**

**5785 MHz**



**802.11ac(VHT20) Mode**

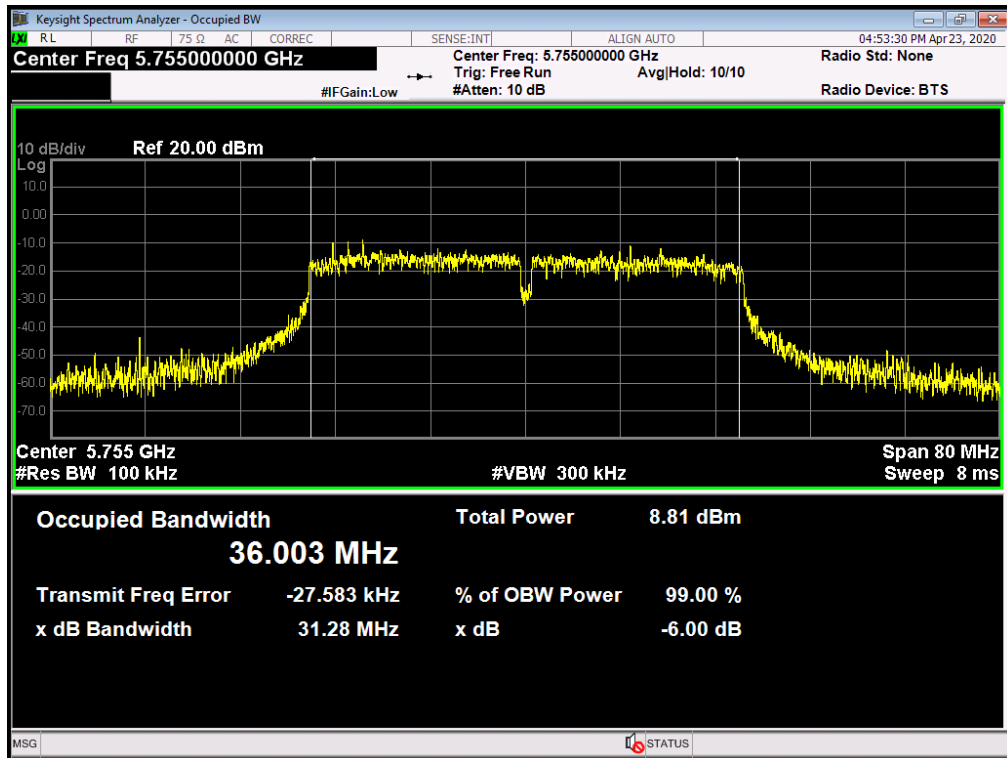
**5825 MHz**



Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.85V		
Test Mode:	TX 802.11n(HT40) Mode (U-NII-3)		
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
151	5755	31.28	36.003
159	5795	33.70	35.920

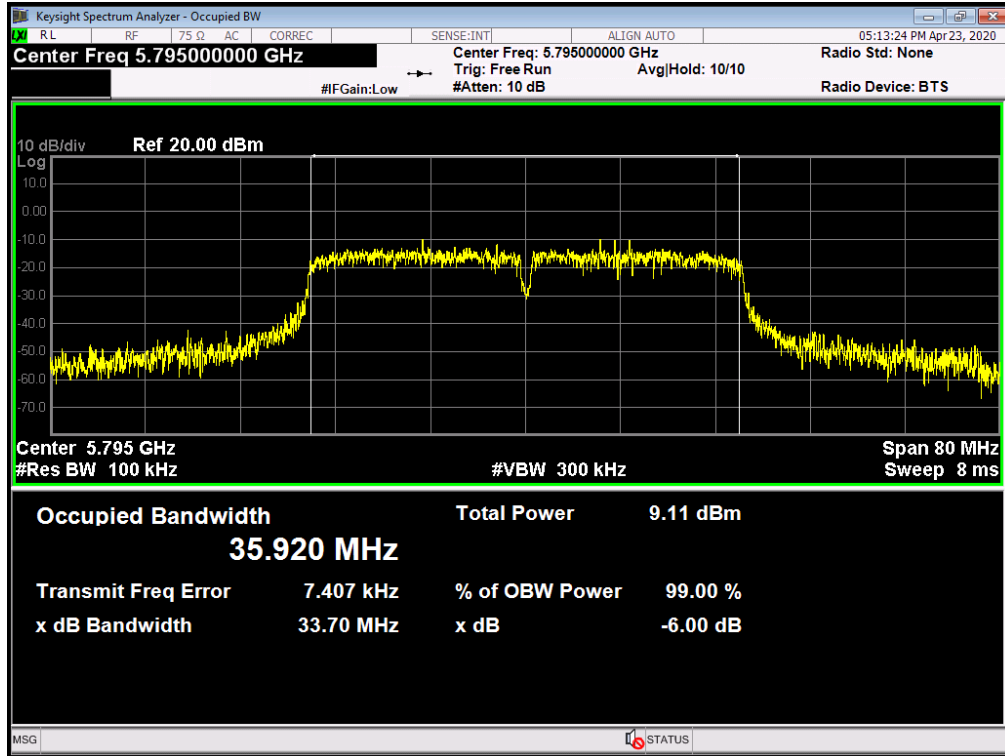
**802.11n(HT40) Mode**

**5755 MHz**



**802.11n(HT40) Mode**

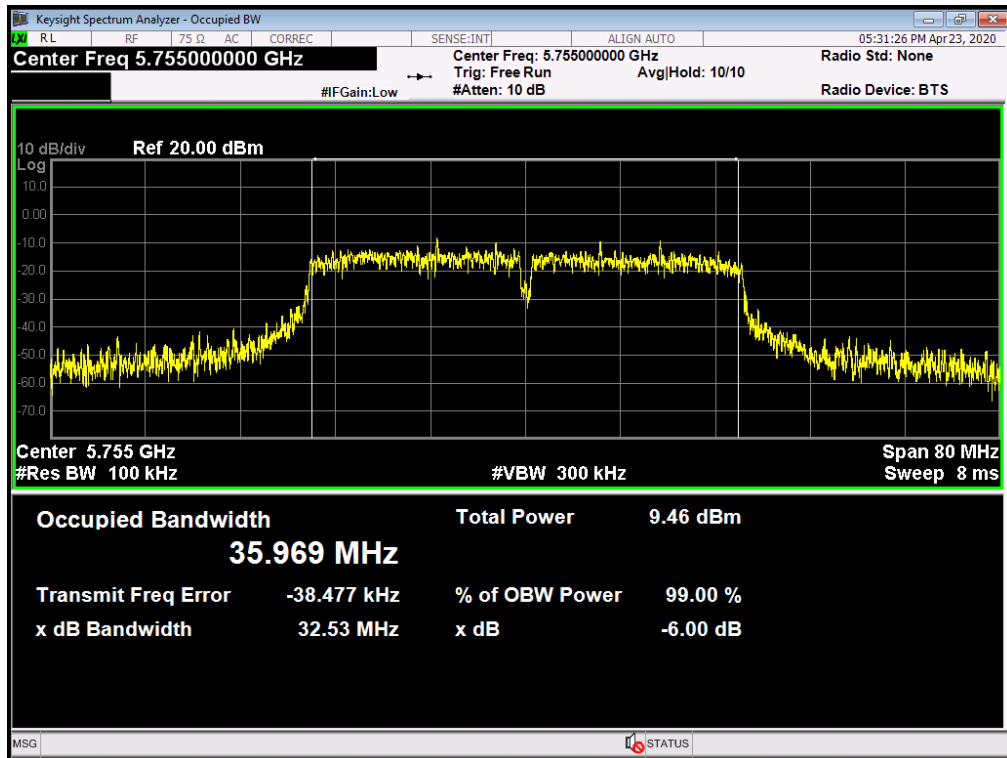
**5795 MHz**



Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.85V		
Test Mode:	TX 802.11ac(VHT40) Mode (U-NII-3)		
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
151	5755	32.53	35.969
159	5795	32.95	35.883

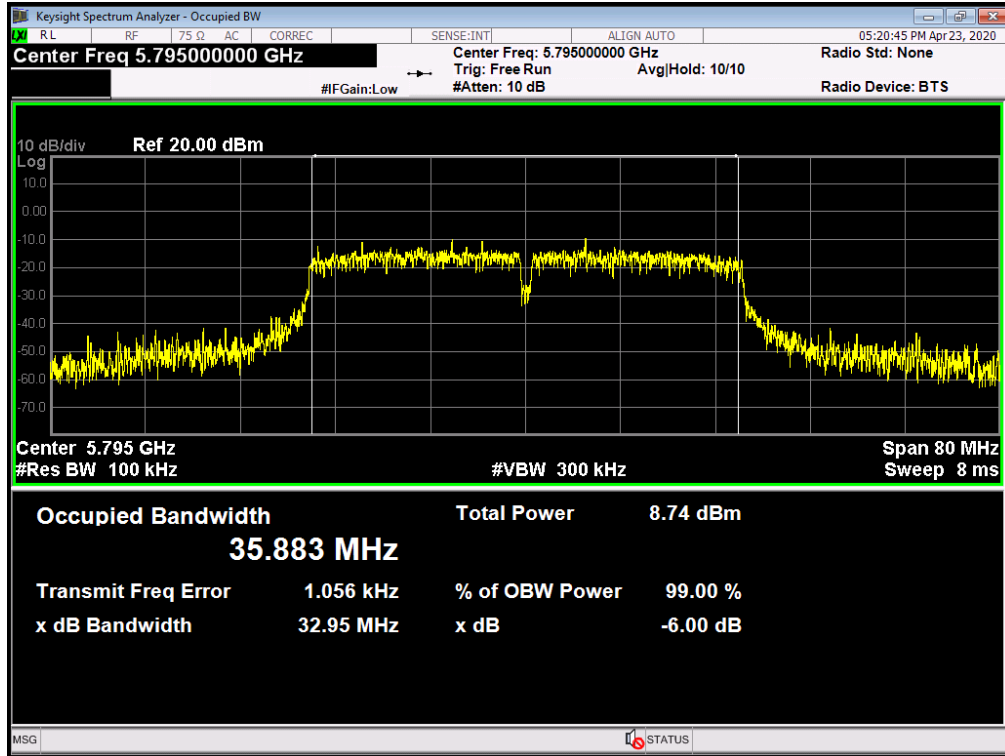
**802.11ac(VHT40) Mode**

**5755 MHz**



**802.11ac(VHT40) Mode**

**5795 MHz**

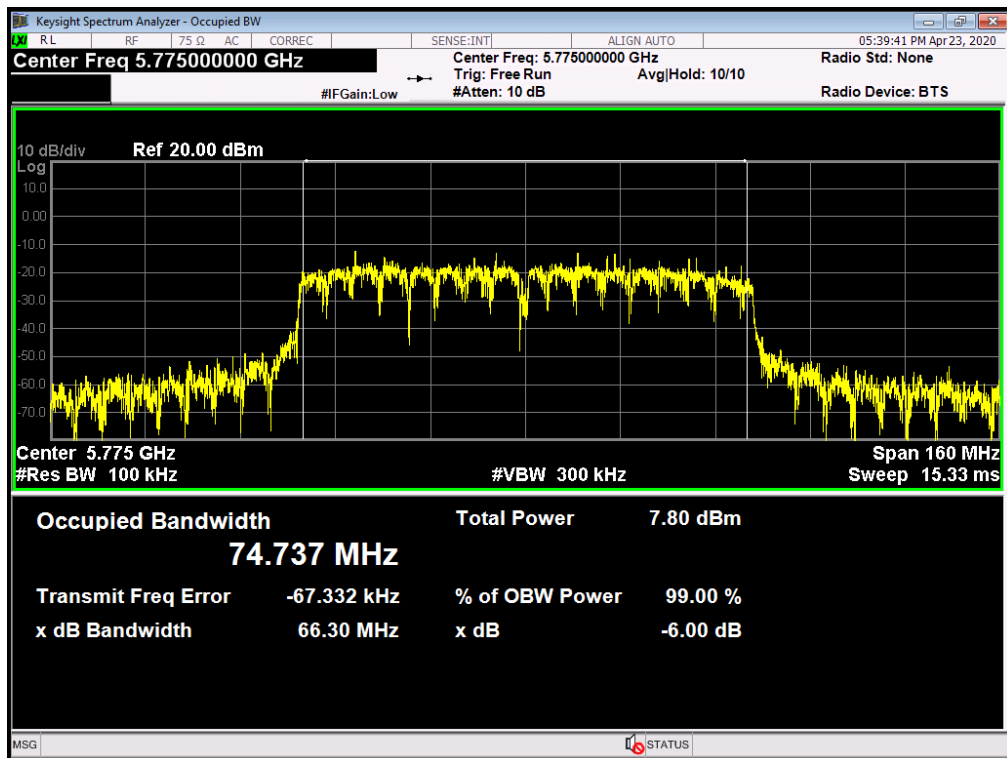




Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.85V		
Test Mode:	TX 802.11ac(HT80) Mode (U-NII-3)		
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
155	5775	66.30	74.737

**802.11ac(VHT80) Mode**

**5775 MHz**



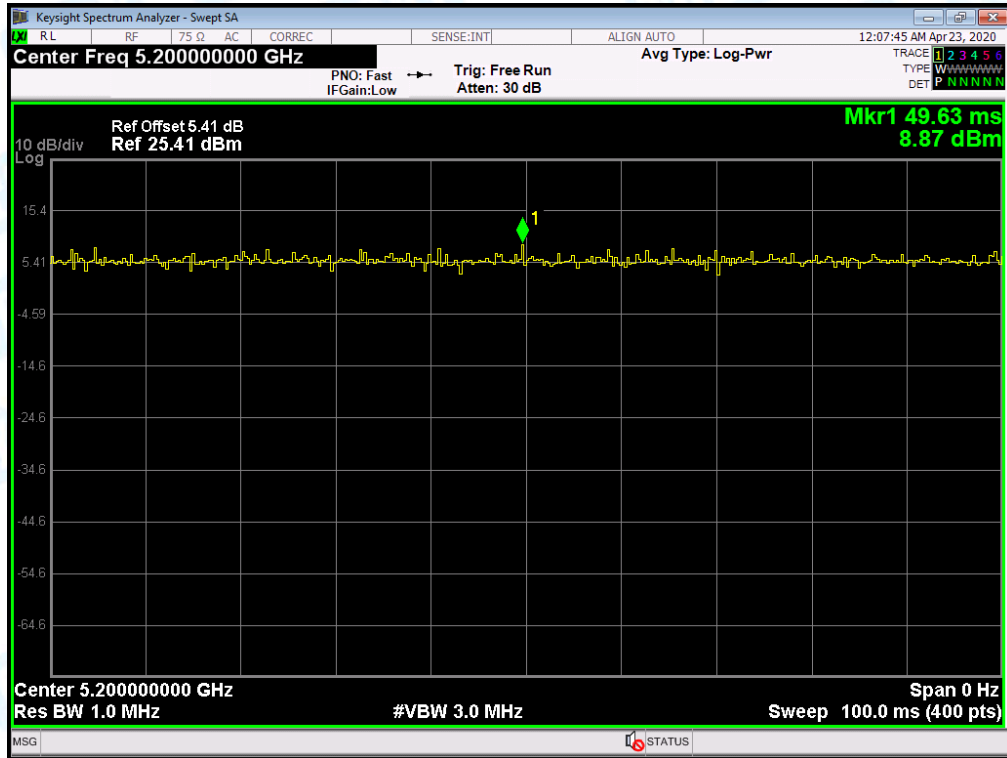
## Attachment E--AVG Output Power Test Data

Temperature:	25 °C	Relative Humidity:	55%		
Test Voltage:	DC 3.85V				
<b>U-NII-1</b>					
Test Mode	Frequency (MHz)	Test Data			Limit (dBm)
		Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	
802.11a	5180	16.27	0	16.27	<b>24</b>
	5200	15.91	0	15.91	
	5240	16.36	0	16.36	
802.11n (HT20)	5180	16.71	0	16.71	
	5200	16.22	0	16.22	
	5240	16.25	0	16.25	
802.11ac (VHT20)	5180	14.98	0	14.98	
	5200	15.20	0	15.20	
	5240	16.33	0	16.33	
802.11n (HT40)	5190	16.21	0	16.21	
	5230	16.35	0	16.35	
802.11ac(VHT40)	5190	15.22	0	15.22	
	5230	15.27	0	15.27	
802.11ac(VHT80)	5210	13.62	0	13.62	
<b>Result: PASS</b>					
<b>Remark:</b> the Directional Gain=4.5dBi<6 dBi. So $P_{out} = P_{limit} = 24\text{dBm}$					

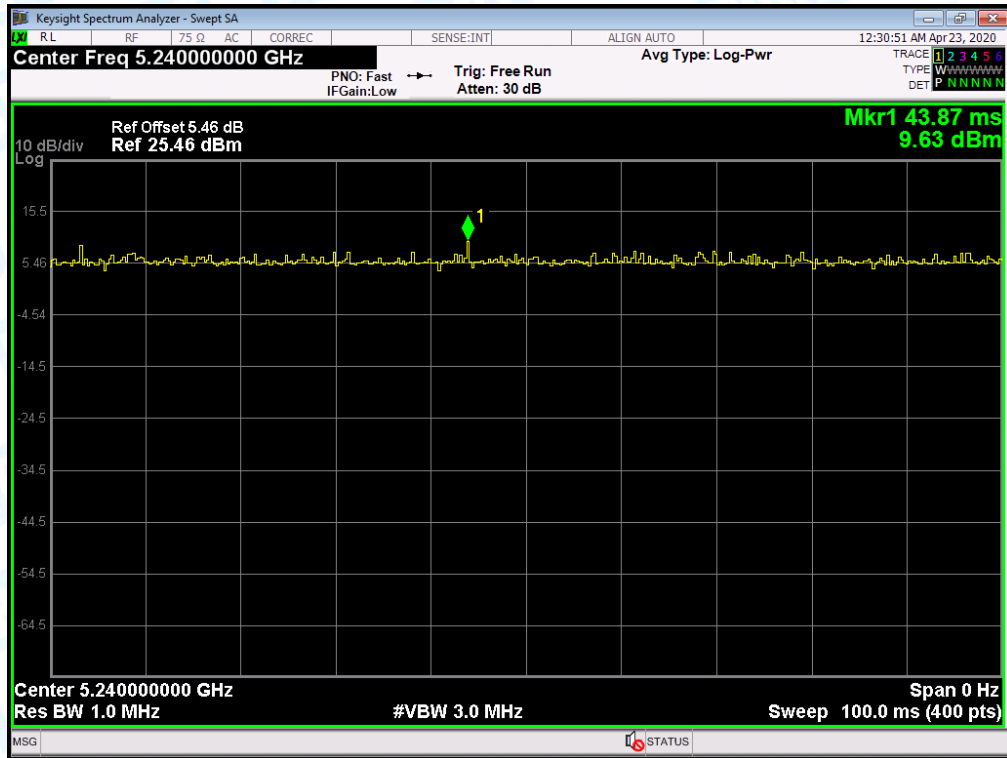
<b>Temperature:</b>	25 °C	<b>Relative Humidity:</b>	55%		
<b>Test Voltage:</b>	DC 3.85V				
<b>U-NII-3</b>					
Test Mode	Frequency (MHz)	Test Data			Limit (dBm)
		Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	
802.11a	5745	16.81	0	16.81	<b>30</b>
	5785	16.95	0	16.95	
	5825	16.46	0	16.46	
802.11n (HT20)	5745	16.78	0	16.78	
	5785	15.93	0	15.93	
	5825	15.51	0	15.51	
802.11ac (VHT20)	5745	15.47	0	15.47	
	5785	15.73	0	15.73	
	5825	17.72	0	17.72	
802.11n (HT40)	5755	17.07	0	17.07	
	5795	16.39	0	16.39	
802.11 ac(VHT40)	5755	16.03	0	16.03	
	5795	15.57	0	15.57	
802.11 ac(VHT80)	5775	14.95	0	14.95	
<b>Result: PASS</b>					
<b>Remark:</b> the Directional Gain=4.5dBi<6 dBi. So $P_{out} = P_{limit} = 24\text{dBm}$					

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(VHT40)	
	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.		

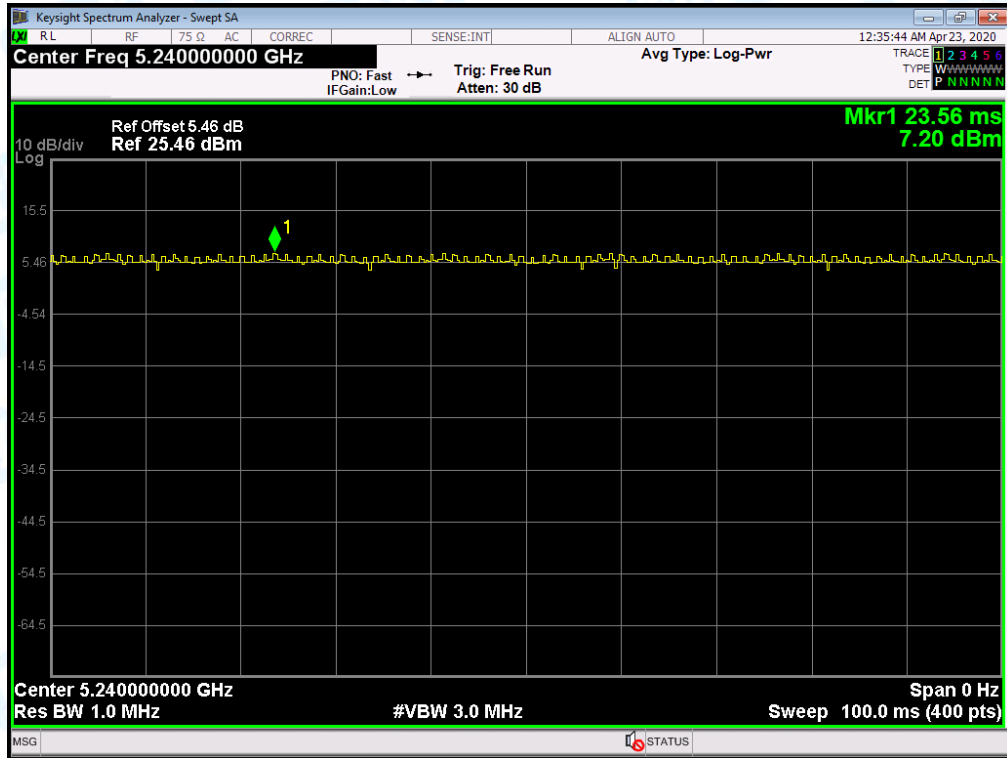
**802.11 a 5200MHz U-NII-1**



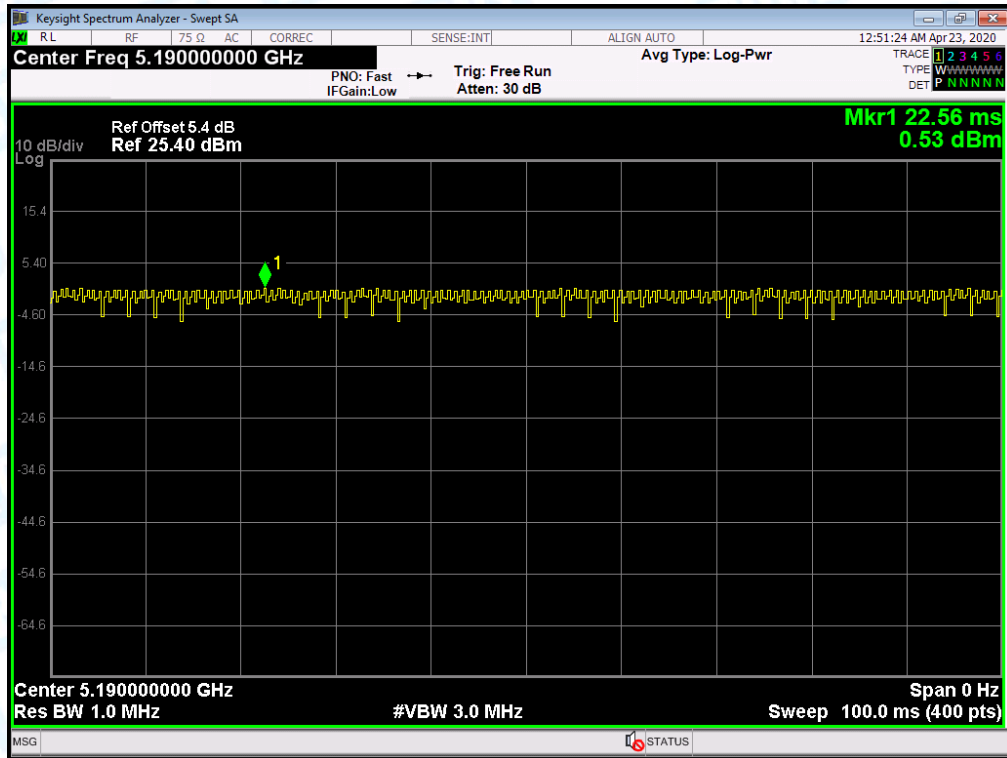
**802.11 n(HT20) 5200MHz U-NII-1**



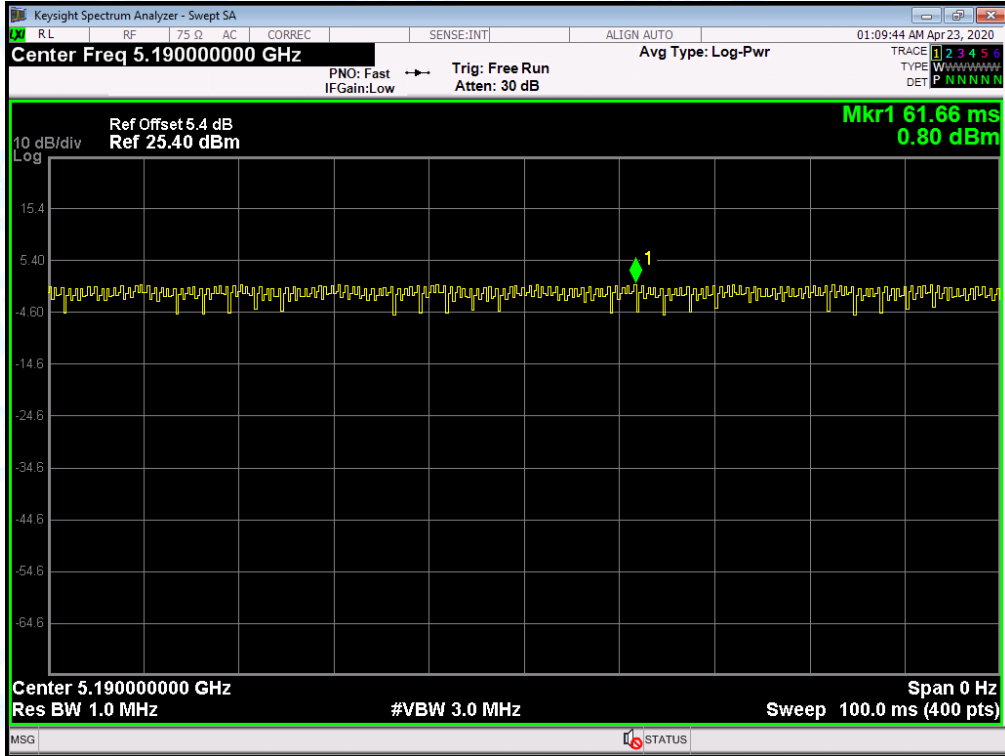
**802.11 ac(VHT20) 5200MHz U-NII-1**



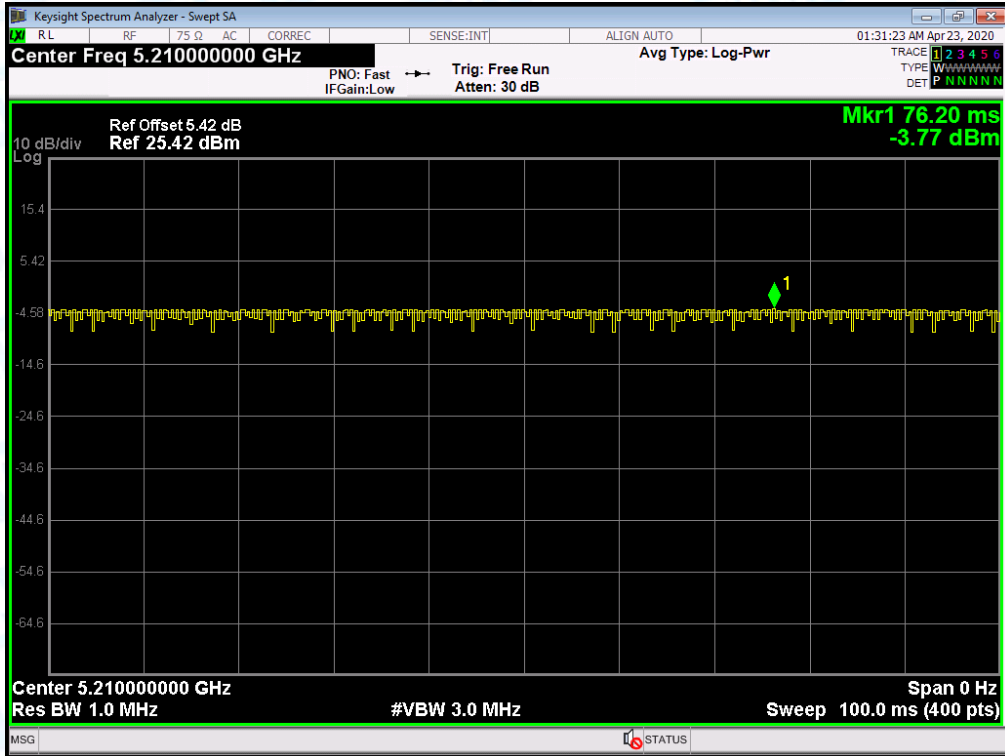
**802.11 n(HT40) 5190MHz U-NII-1**



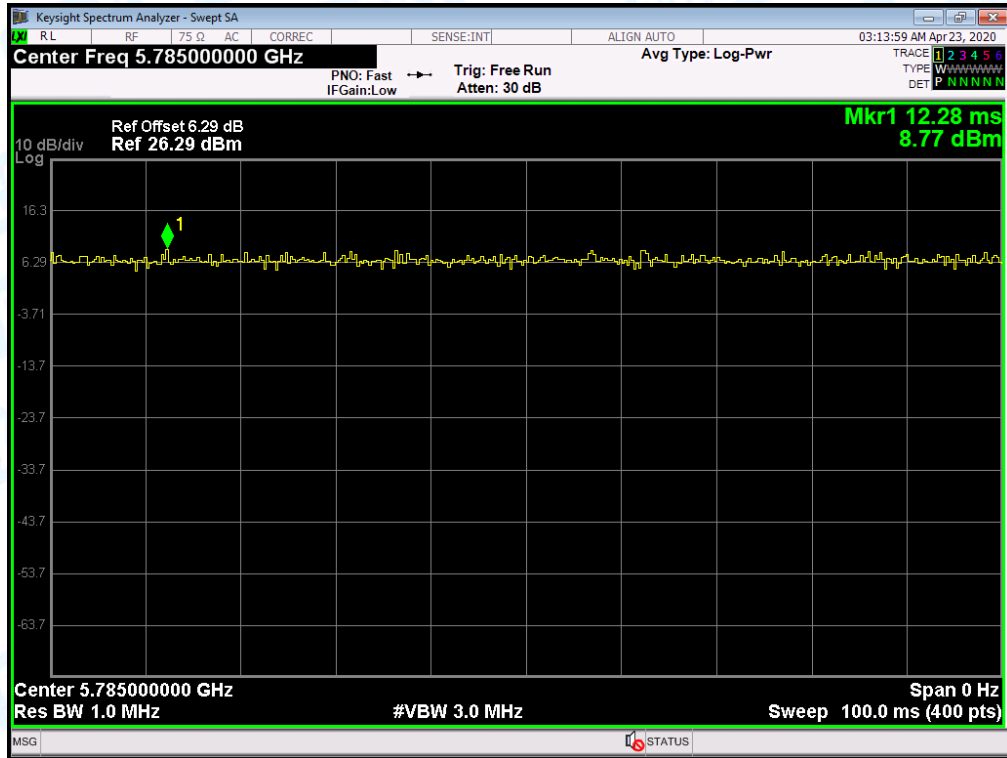
**802.11 ac(VHT40) 5190MHz U-NII-1**



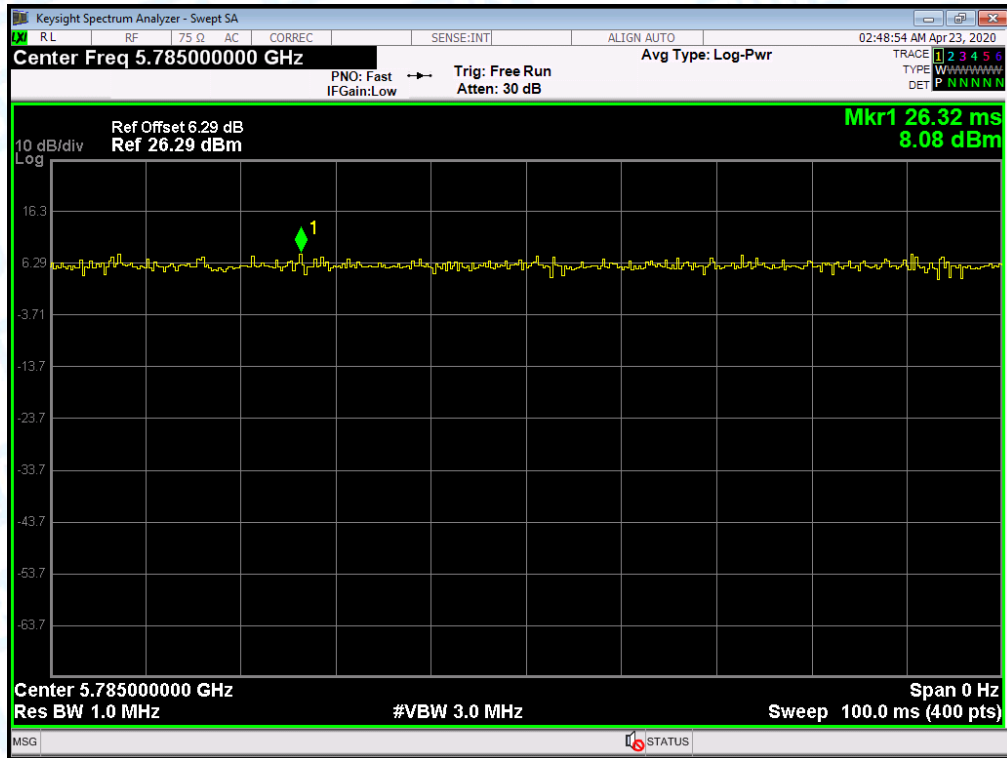
**802.11 ac(VHT80) 5210MHz U-NII-1**



**802.11 a 5785MHz U-NII-3**

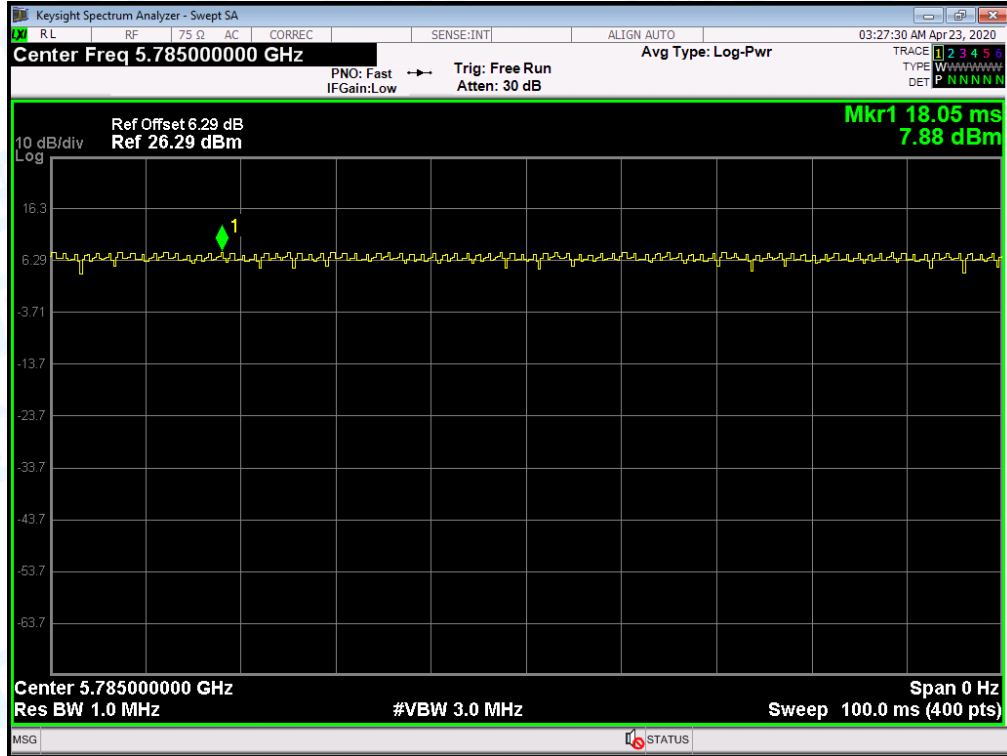


**802.11 n(HT20) 5785MHz U-NII-3**

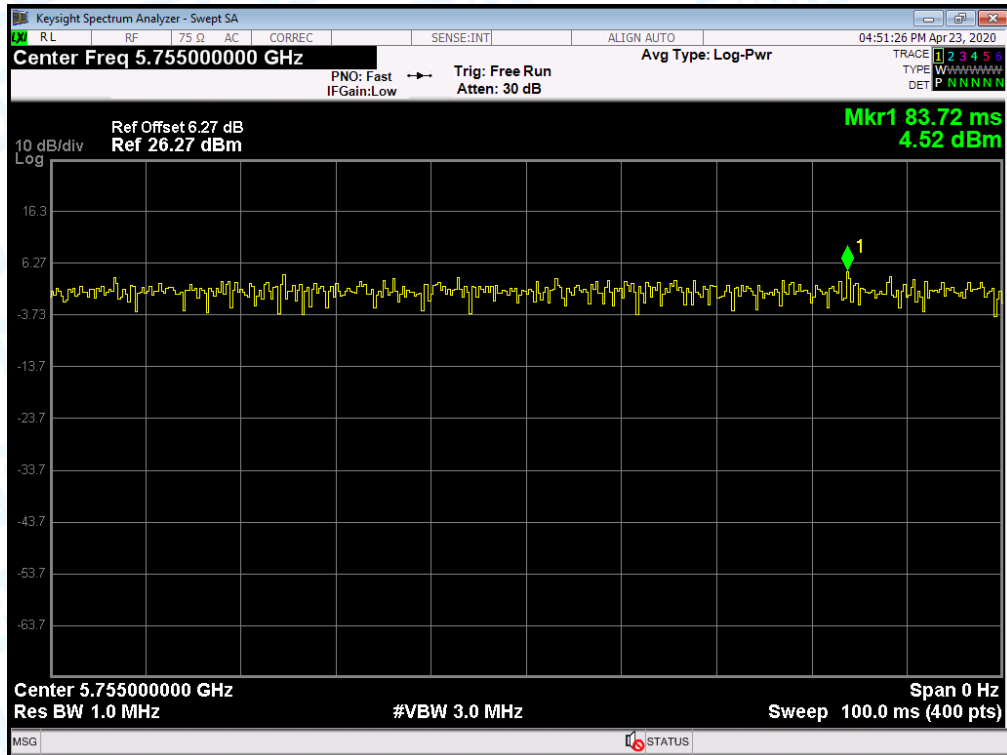




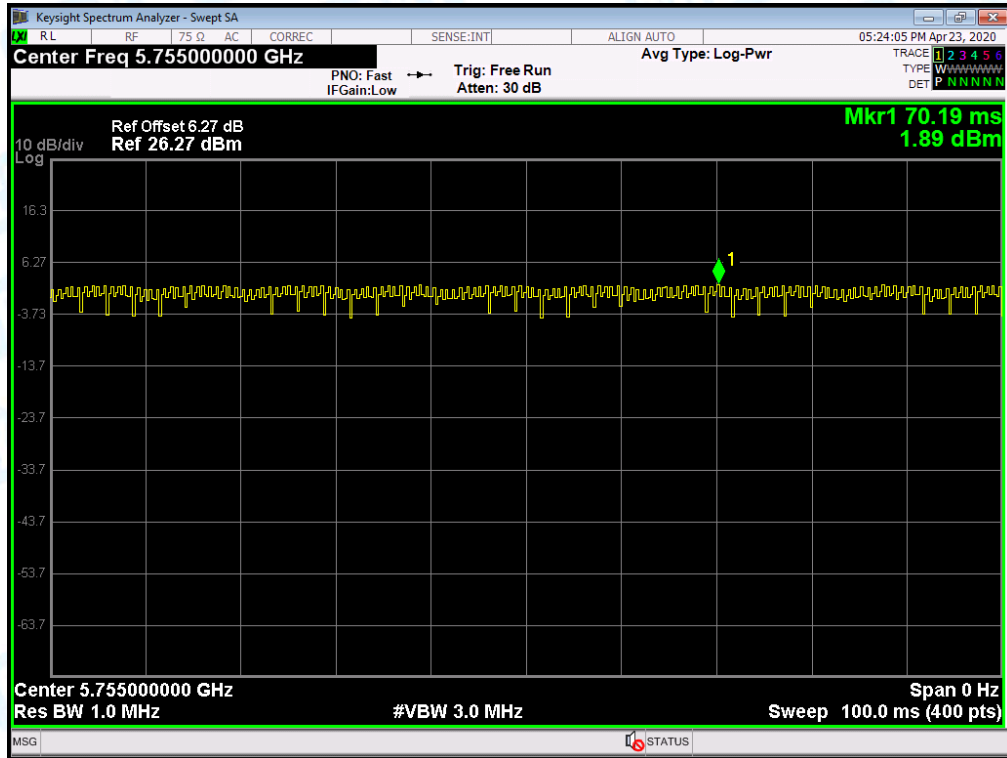
**802.11 ac(VHT20) 5785MHz U-NII-3**



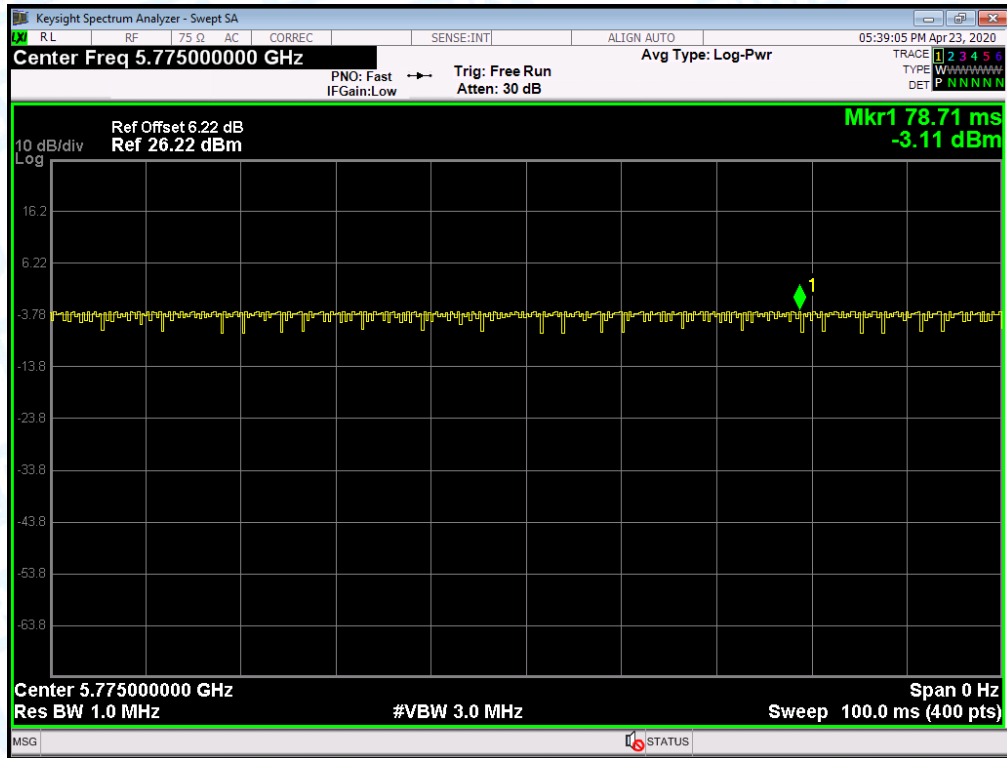
**802.11 n(HT40) 5755MHz U-NII-3**



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



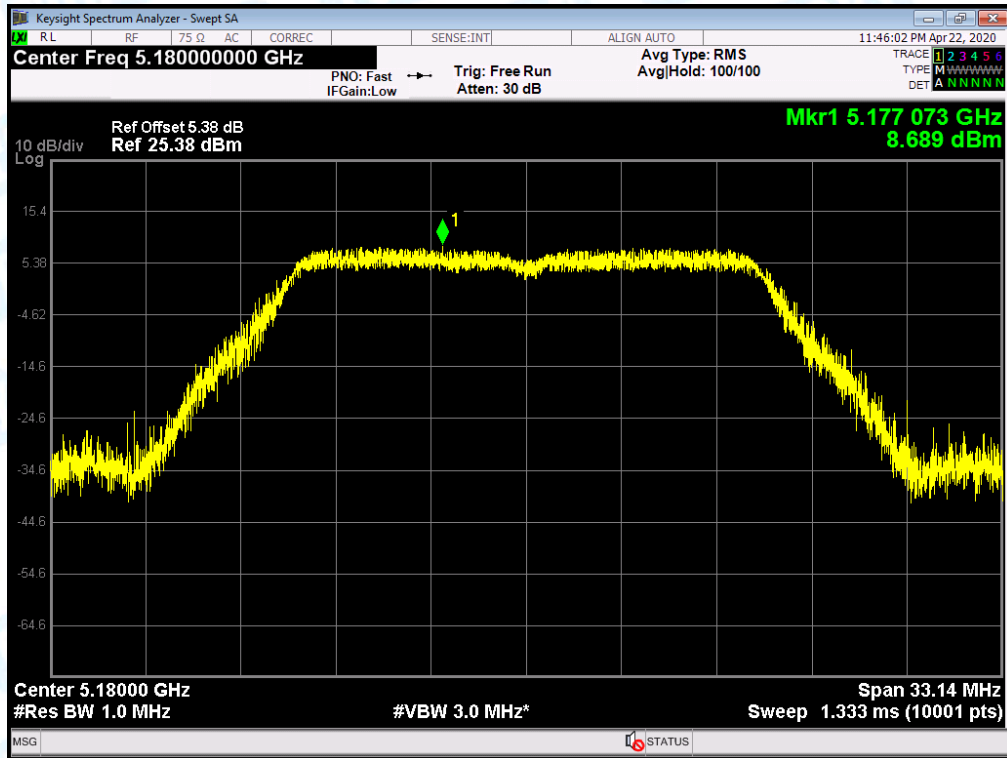
**802.11 ac(VHT80) 5775MHz U-NII-3**



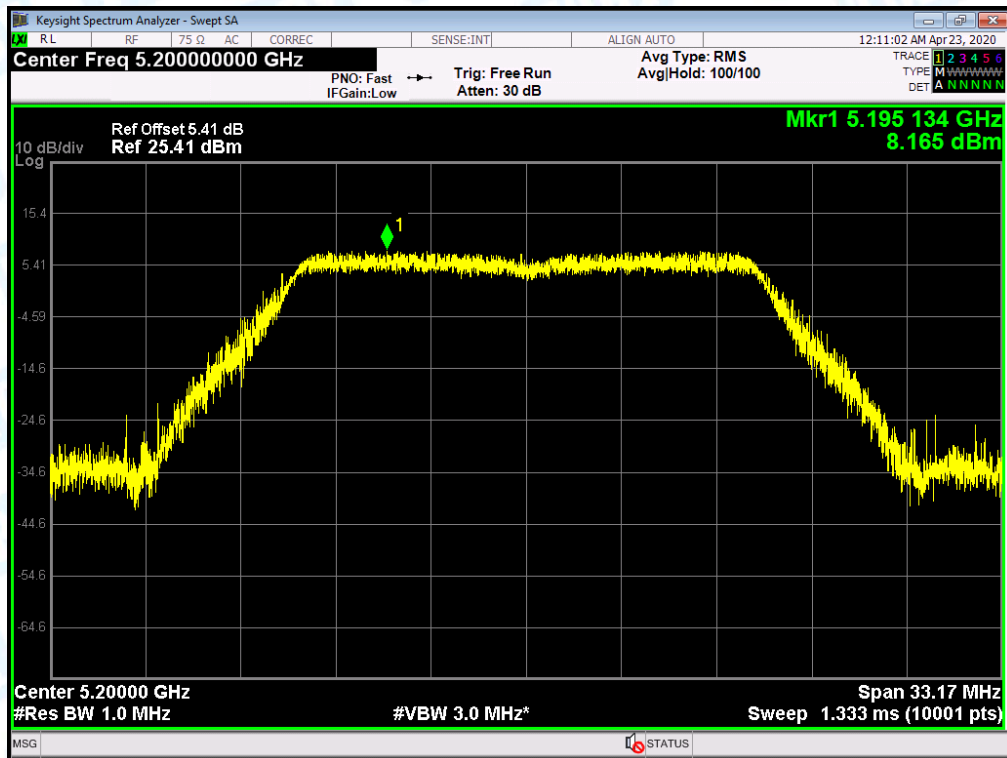
## Attachment F-- Power Spectral Density Test Data

Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.85V		
<b>U-NII-1</b>			
Test Mode	Frequency (MHz)	Test Data	Limit (dBm/MHz)
		Power Density (dBm/MHz)	
802.11a	5180	8.689	11
	5200	8.165	
	5240	8.951	
802.11n (HT20)	5180	8.418	
	5200	8.470	
	5240	8.561	
802.11ac (VHT20)	5180	8.705	
	5200	8.017	
	5240	8.180	
802.11n (HT40)	5190	5.437	
	5230	4.493	
802.11ac(VHT40)	5190	4.651	
	5230	4.744	
802.11ac(VHT80)	5210	0.459	
<b>Result: PASS</b>			
<b>Remark:</b> the Directional Gain=4.5dBi<6 dBi. So $P_{out} = P_{limit}$			
Test plots please refer to below pages:			

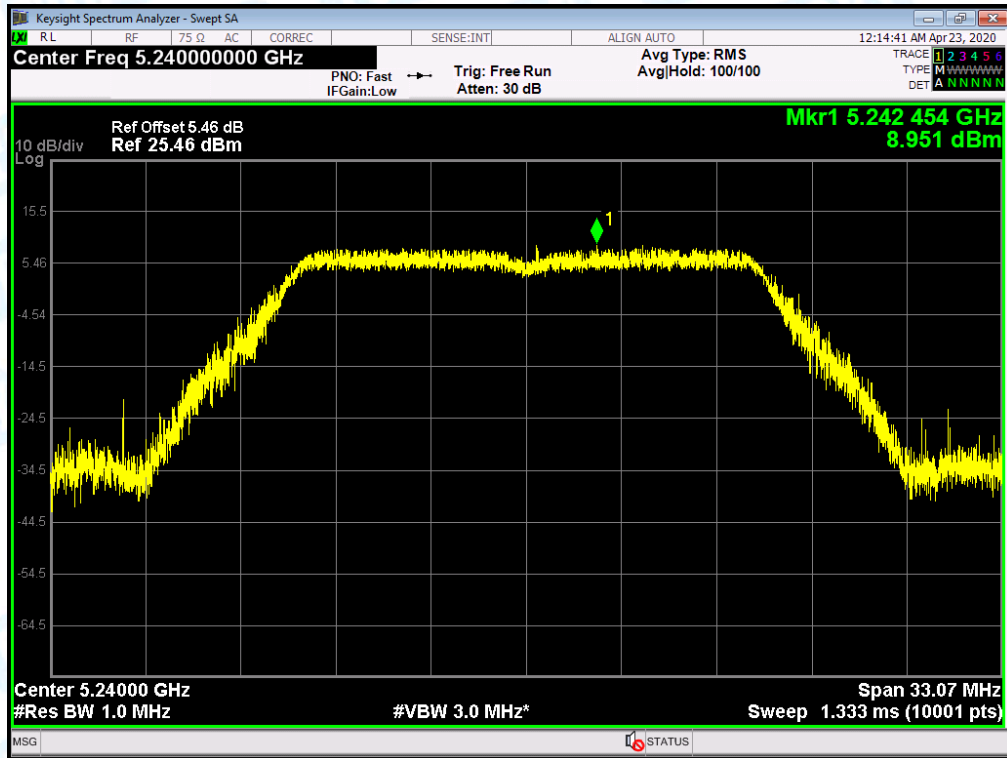
PSD NVNT 802.11a 5180MHz Ant1



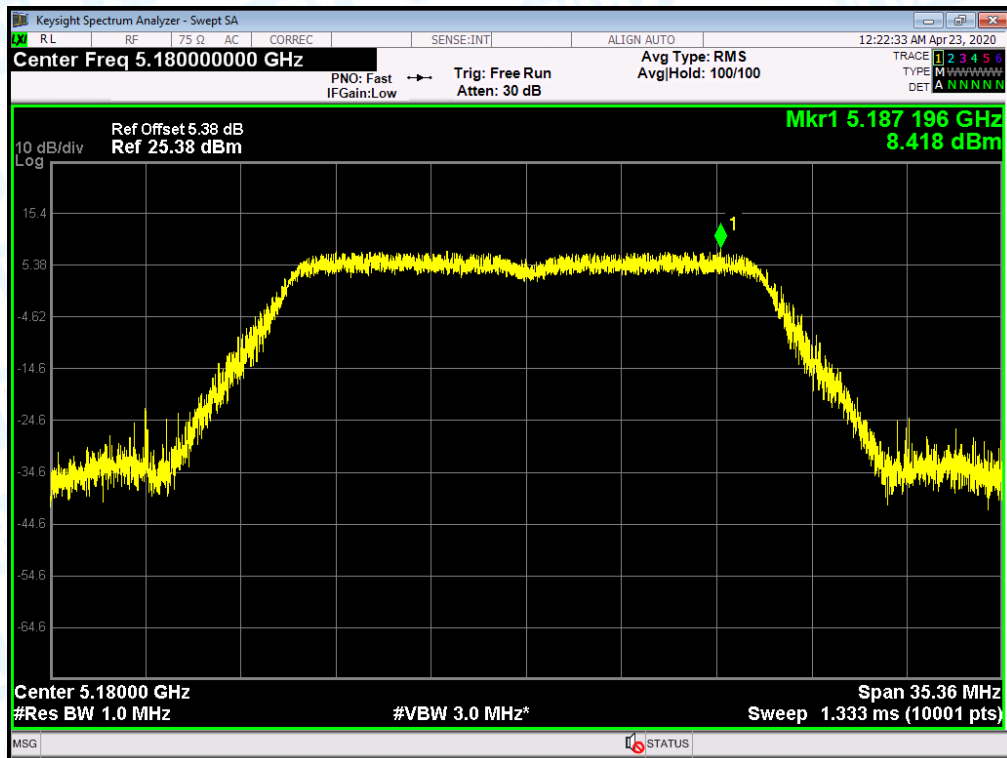
PSD NVNT 802.11a 5200MHz Ant1



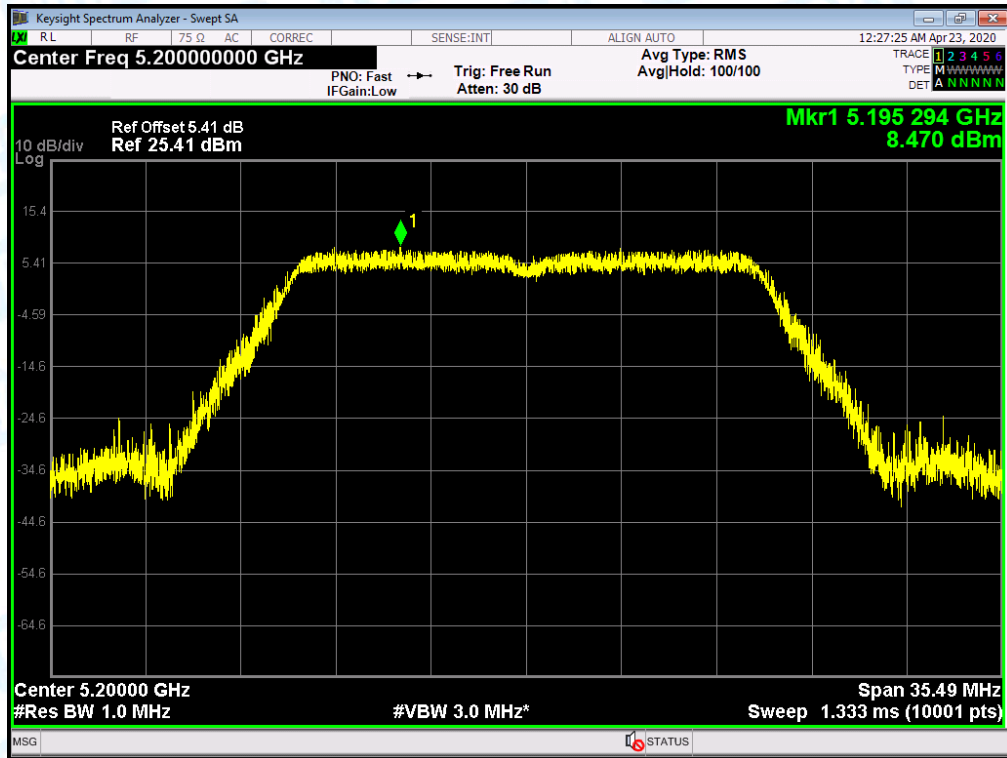
PSD NVNT 802.11a 5240MHz Ant1



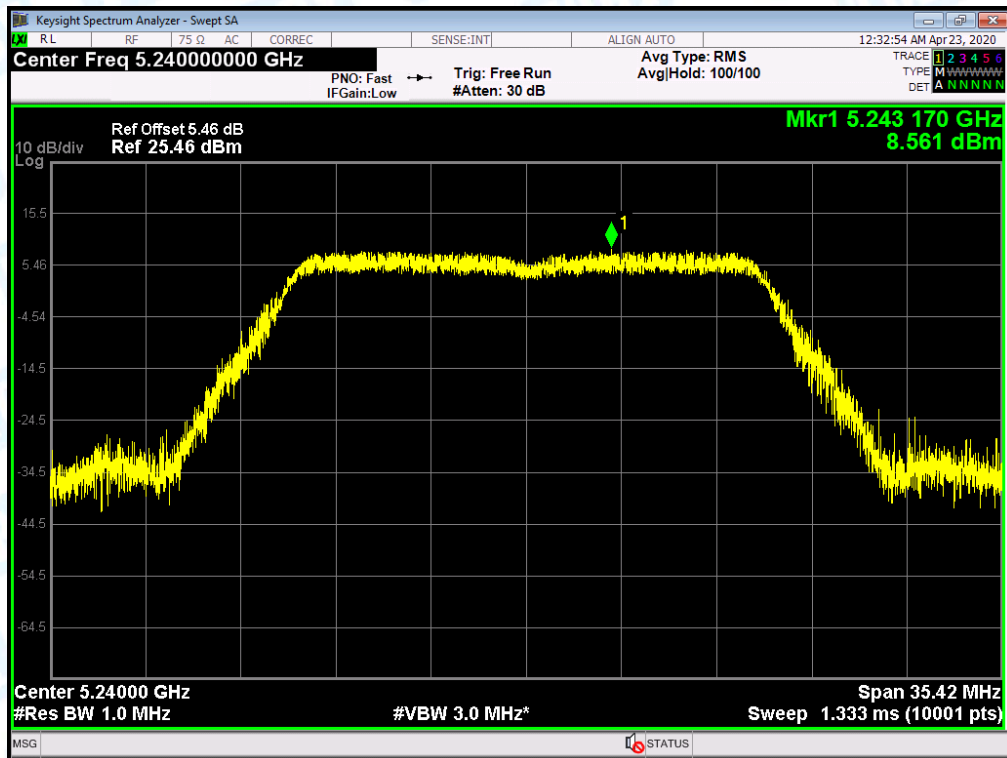
PSD NVNT 802.11n(HT20) 5180MHz Ant1



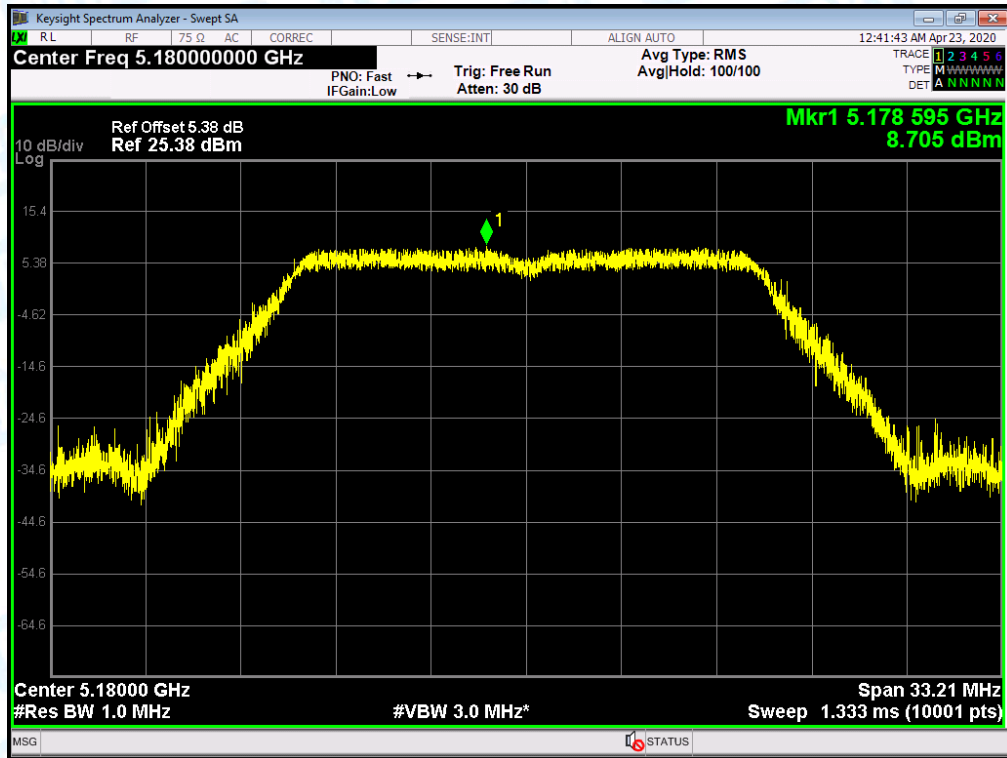
PSD NVNT 802.11n(HT20) 5200MHz Ant1



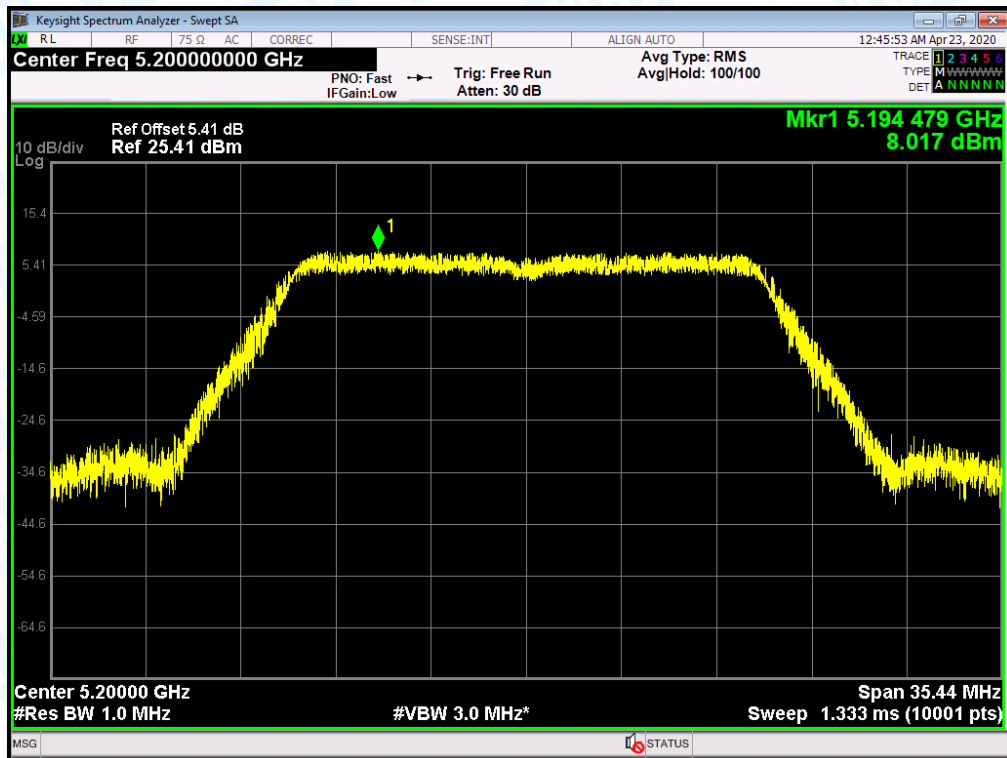
PSD NVNT 802.11n(HT20) 5240MHz Ant1



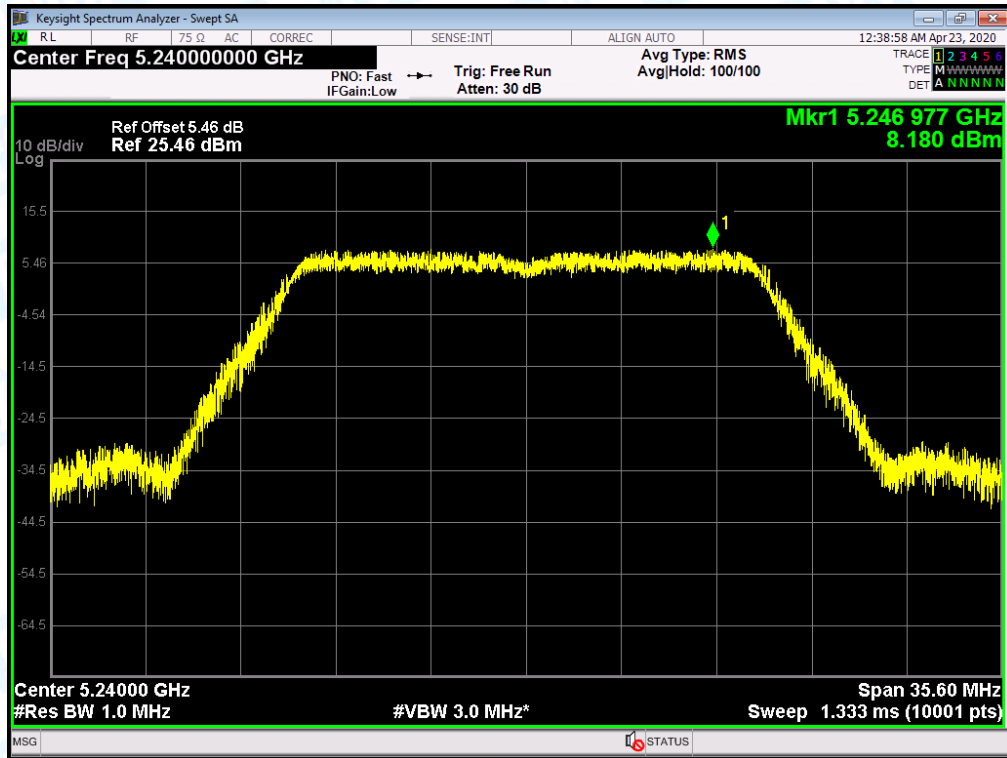
PSD NVNT 802.11ac20 5180MHz Ant1



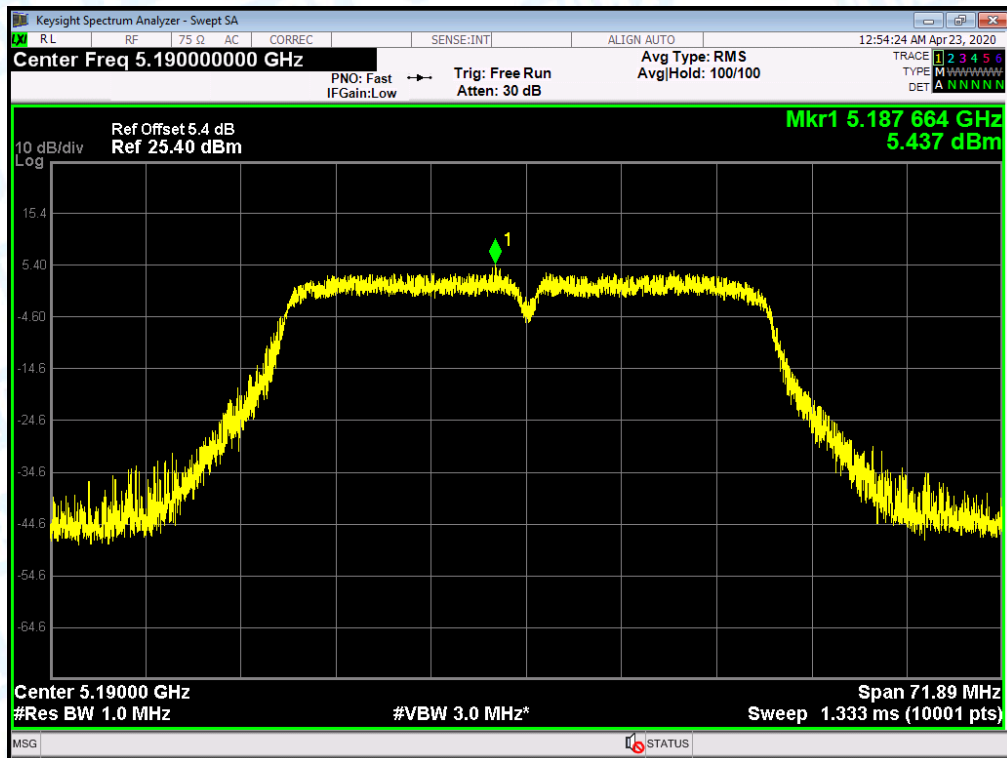
PSD NVNT 802.11ac20 5200MHz Ant1



PSD NVNT 802.11ac20 5240MHz Ant1

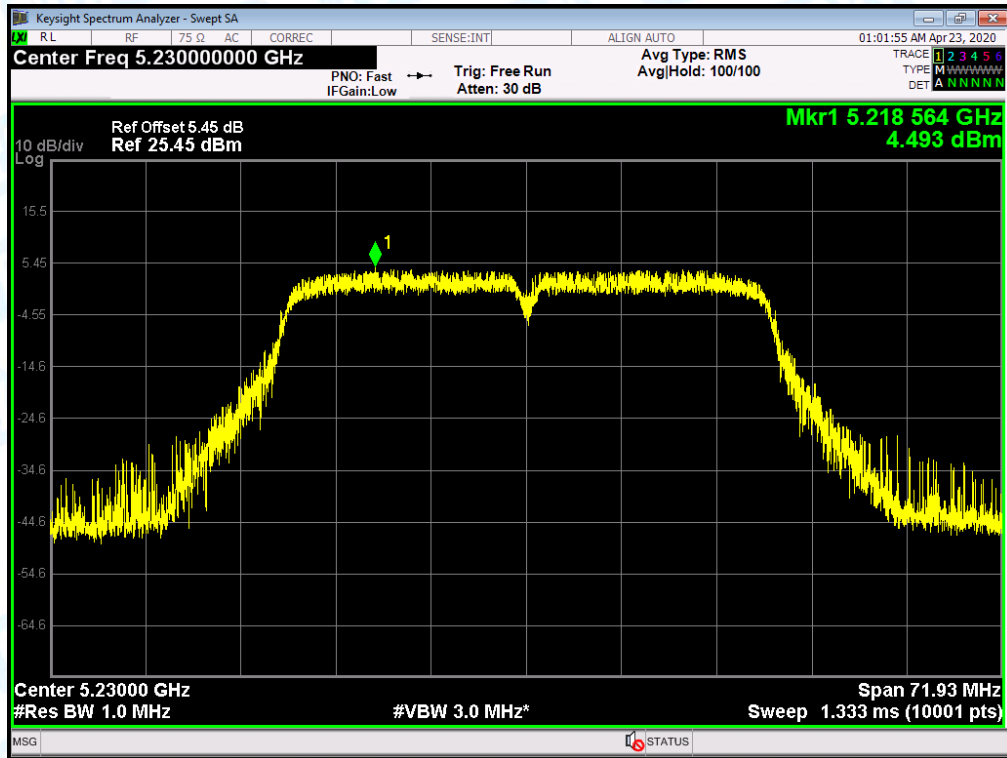


PSD NVNT 802.11n(HT40) 5190MHz Ant1

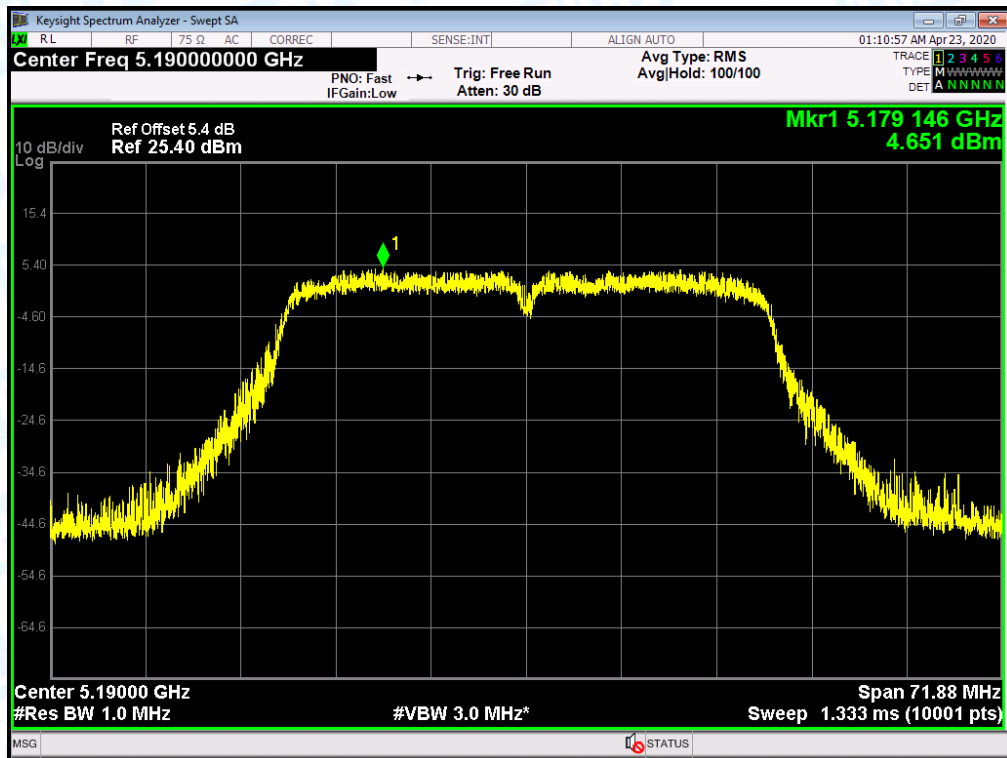




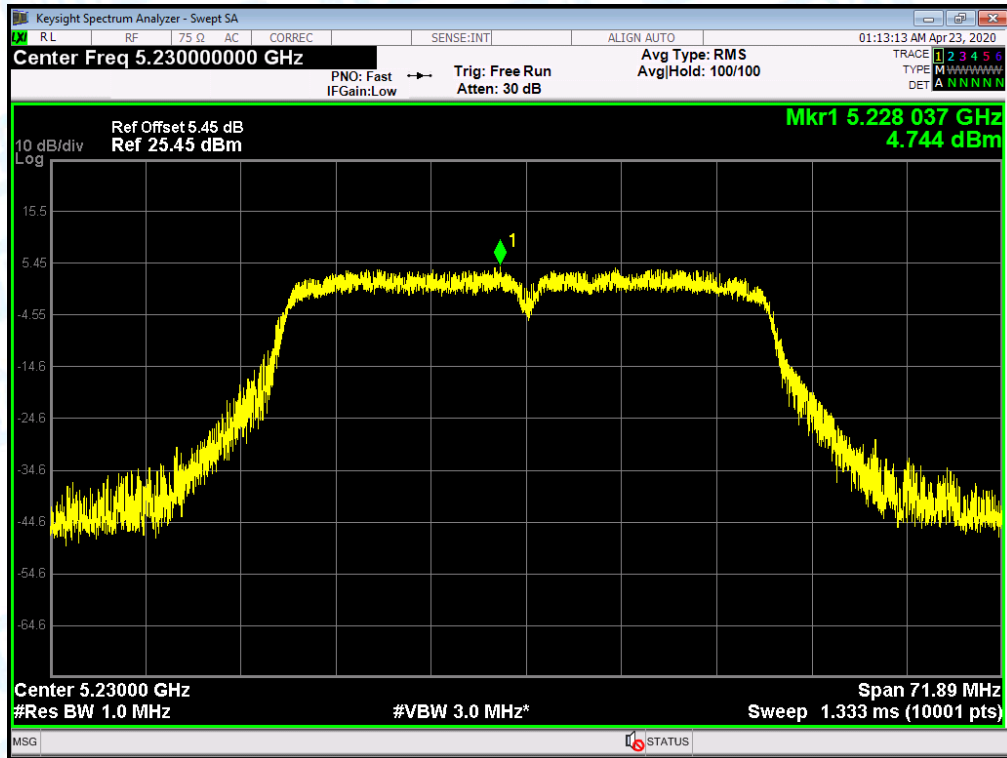
PSD NVNT 802.11n(HT40) 5230MHz Ant1



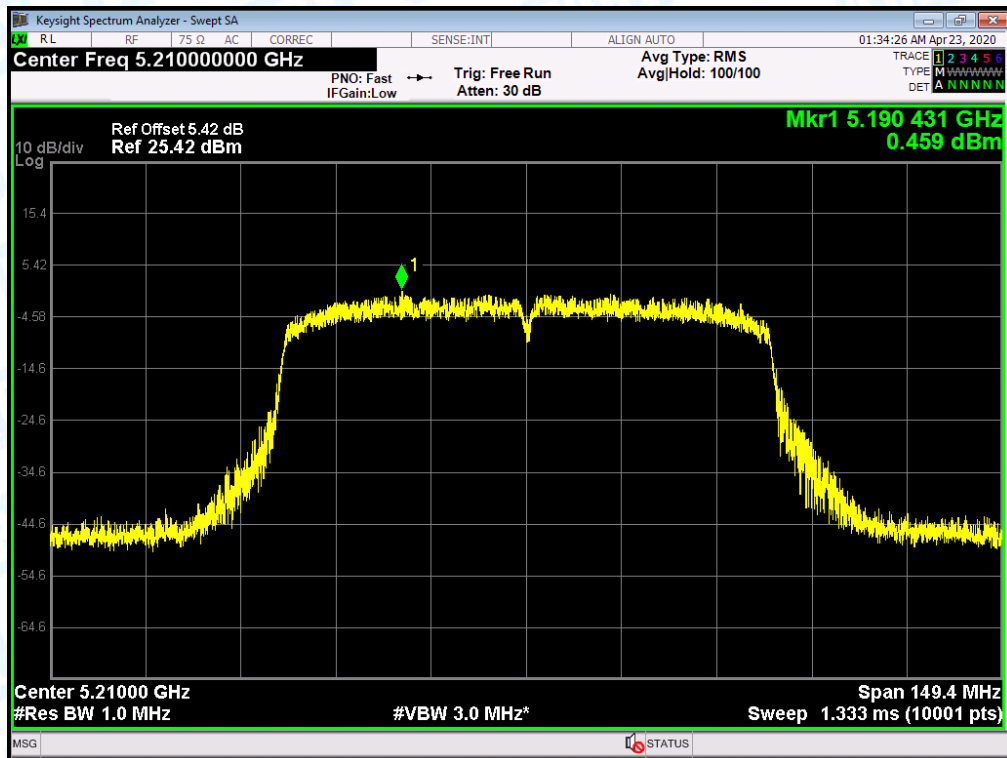
PSD NVNT 802.11ac40 5190MHz Ant1



PSD NVNT 802.11ac40 5230MHz Ant1

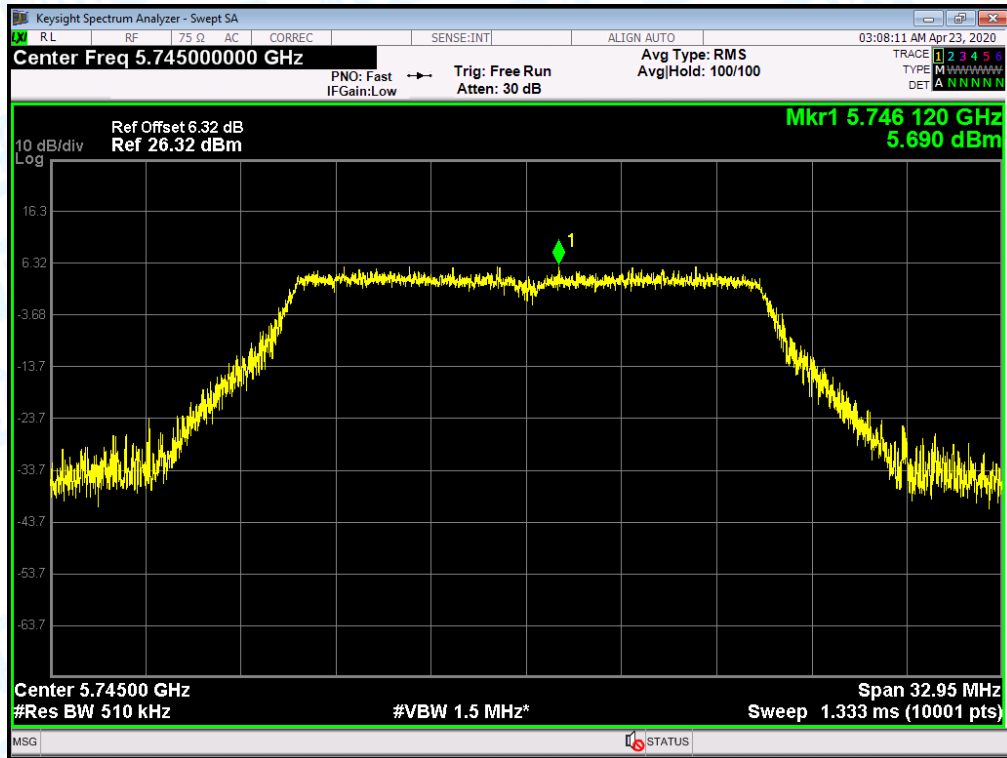


PSD NVNT 802.11ac80 5210MHz Ant1

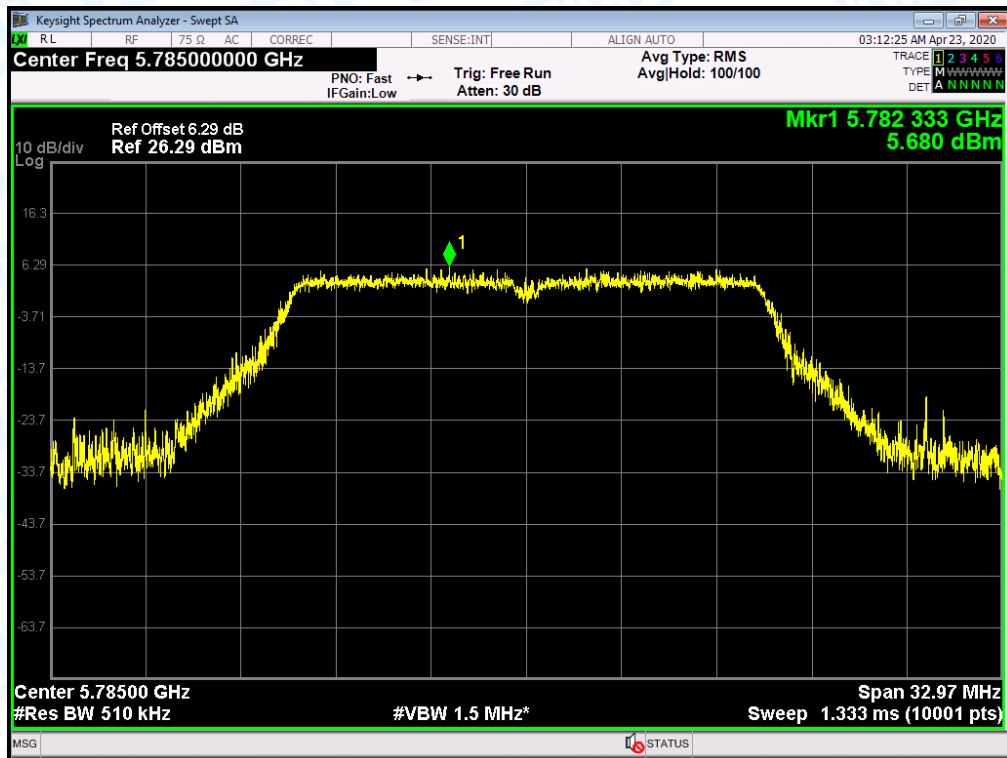


Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.85V		
<b>U-NII-3</b>			
Test Mode	Frequency (MHz)	Test Data	
		Power Density (dBm/500KHz)	
802.11a	5745	5.690	
	5785	5.680	
	5825	5.578	
802.11n (HT20)	5745	6.129	
	5785	5.098	
	5825	4.434	
802.11ac (VHT20)	5745	6.858	
	5785	6.099	
	5825	4.666	
802.11n (HT40)	5755	1.794	
	5795	1.967	
802.11ac(VHT40)	5755	2.453	
	5795	2.293	
802.11ac(VHT80)	5775	-1.375	
<b>Result: PASS</b>			
<b>Remark:</b> the Directional Gain=4.5dBi<6 dBi. So $P_{out} = P_{limit}$			
Test plots please refer to below pages:			

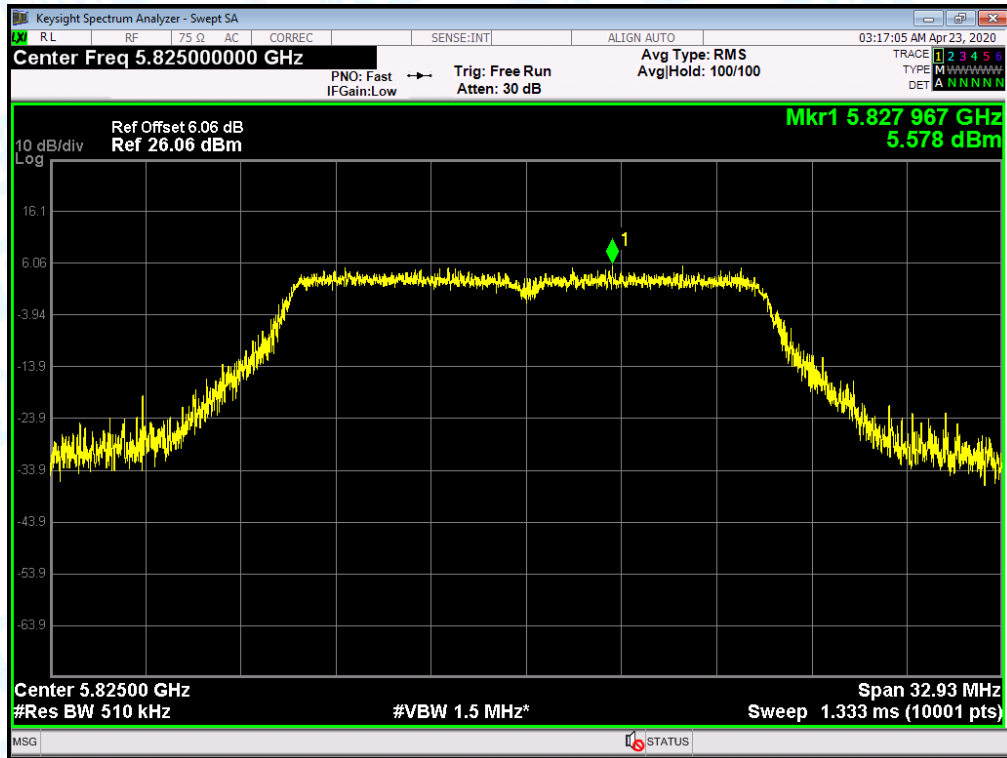
PSD NVNT 802.11a 5745MHz Ant1



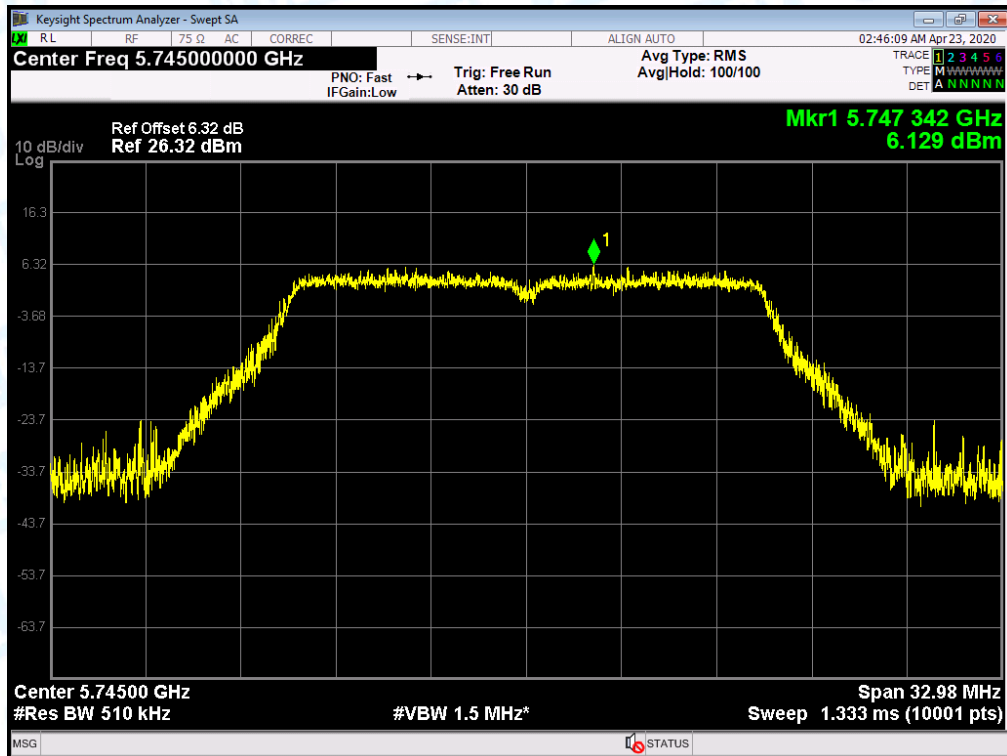
PSD NVNT 802.11a 5785MHz Ant1



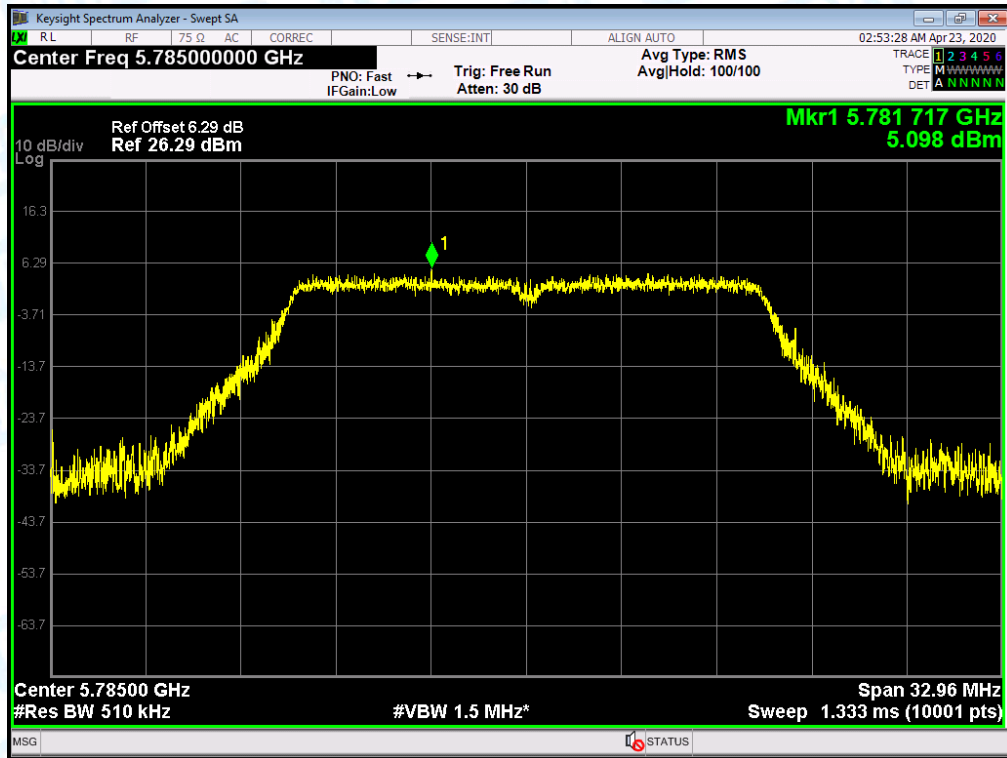
PSD NVNT 802.11a 5825MHz Ant1



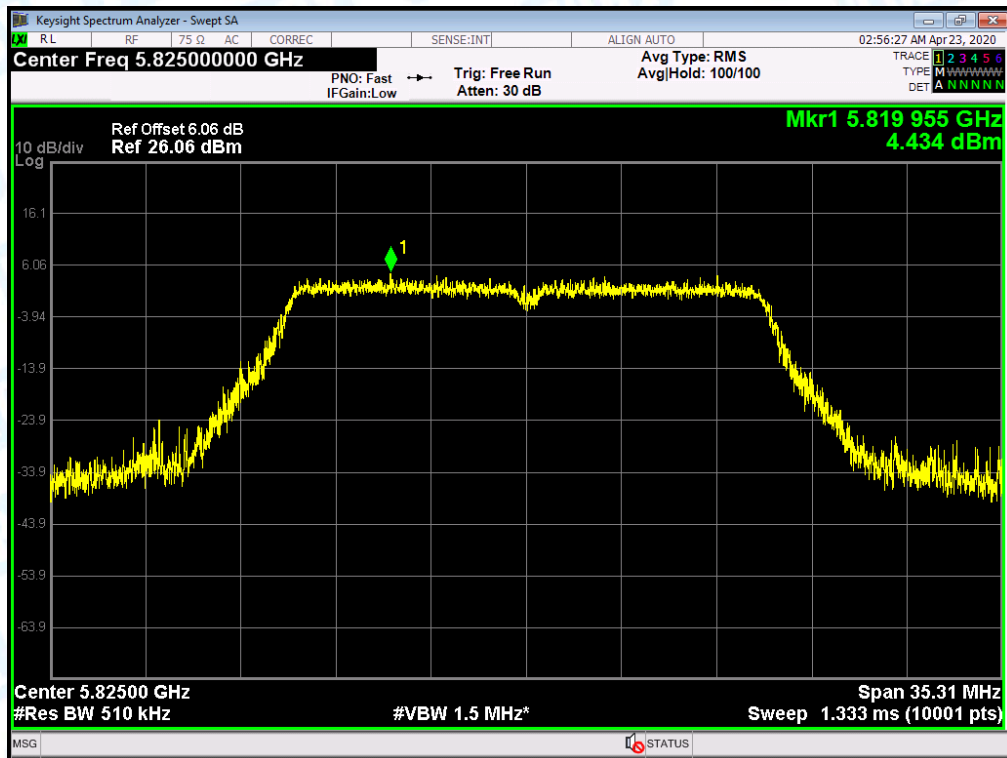
PSD NVNT 802.11n(HT20) 5745MHz Ant1



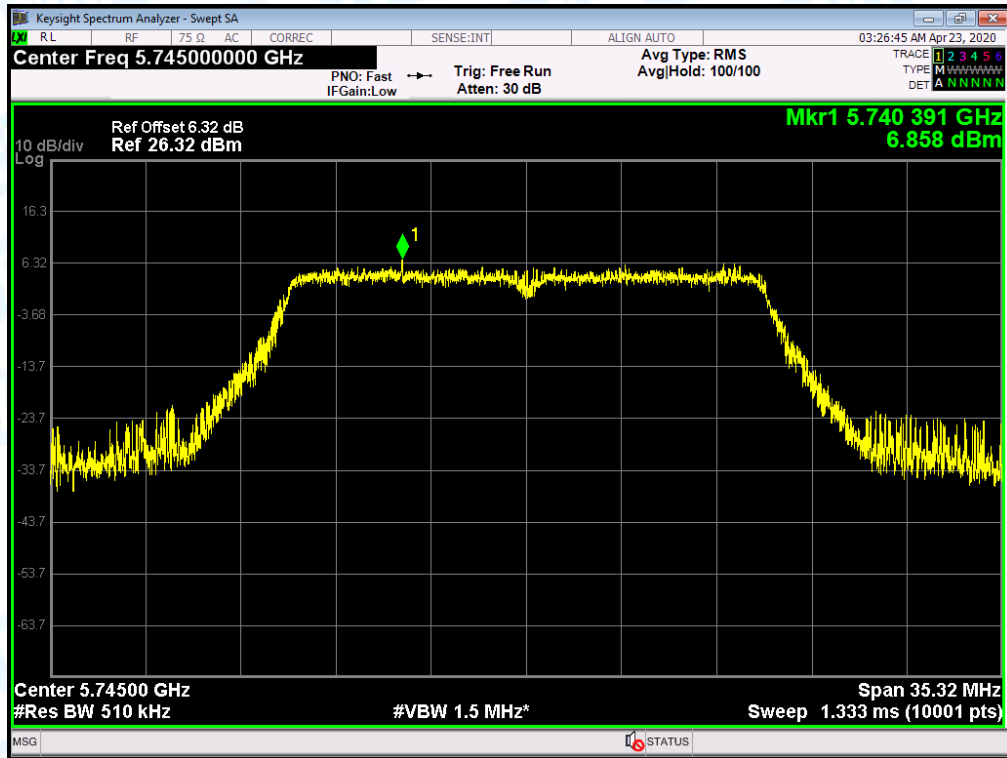
PSD NVNT 802.11n(HT20) 5785MHz Ant1



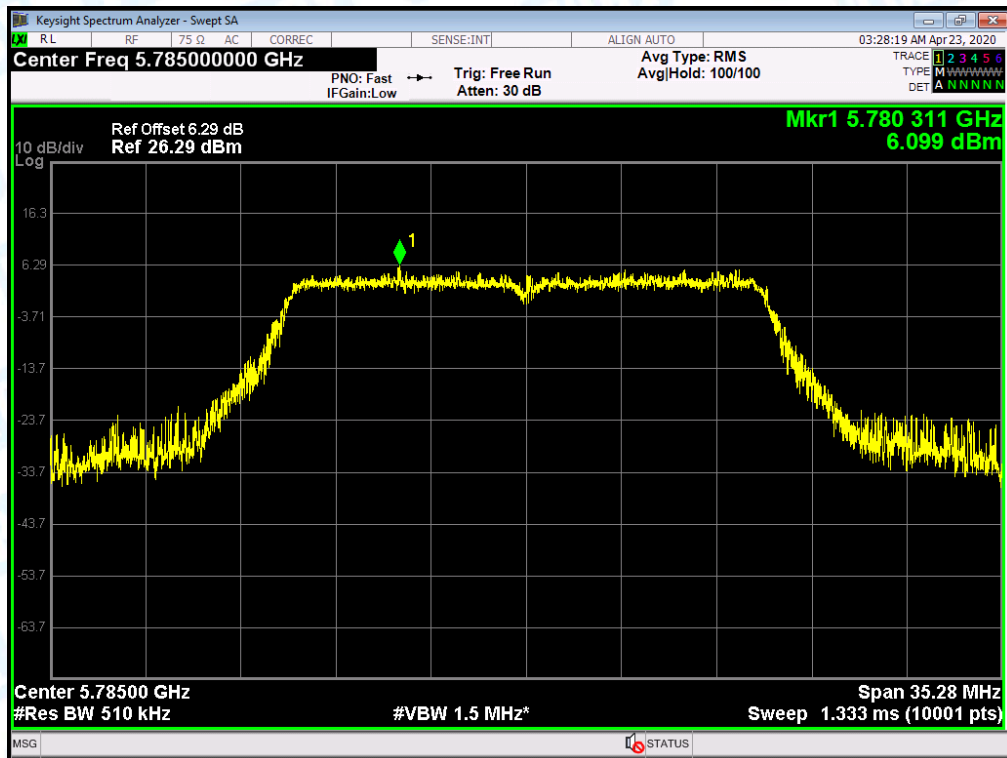
PSD NVNT 802.11n(HT20) 5825MHz Ant1



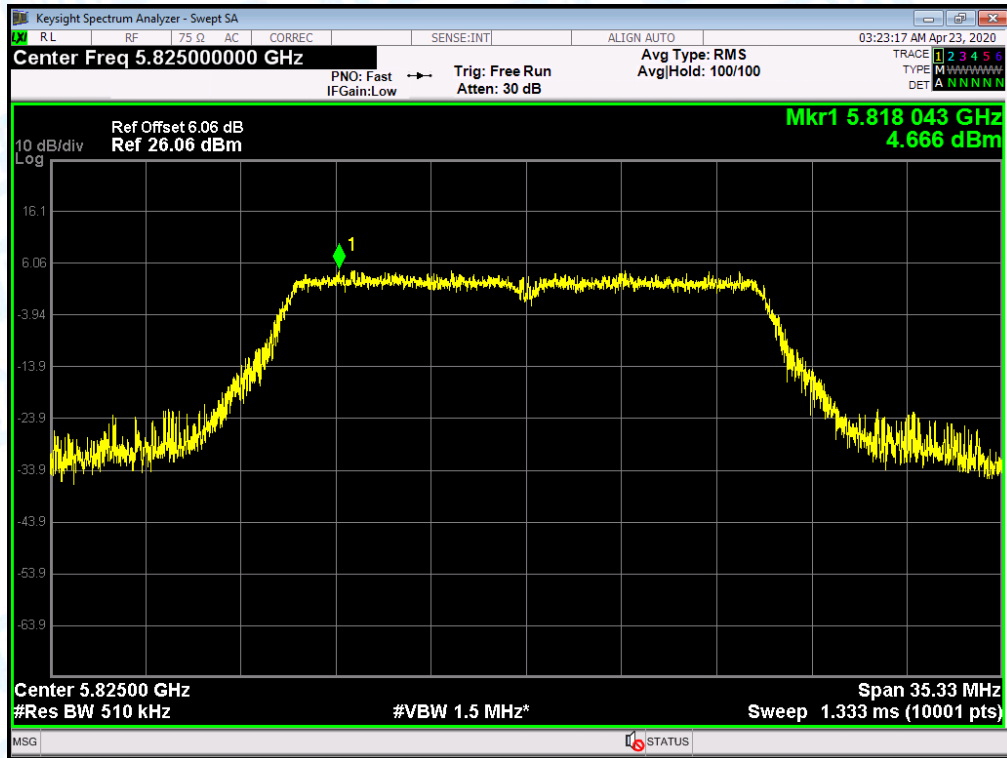
PSD NVNT 802.11ac20 5745MHz Ant1



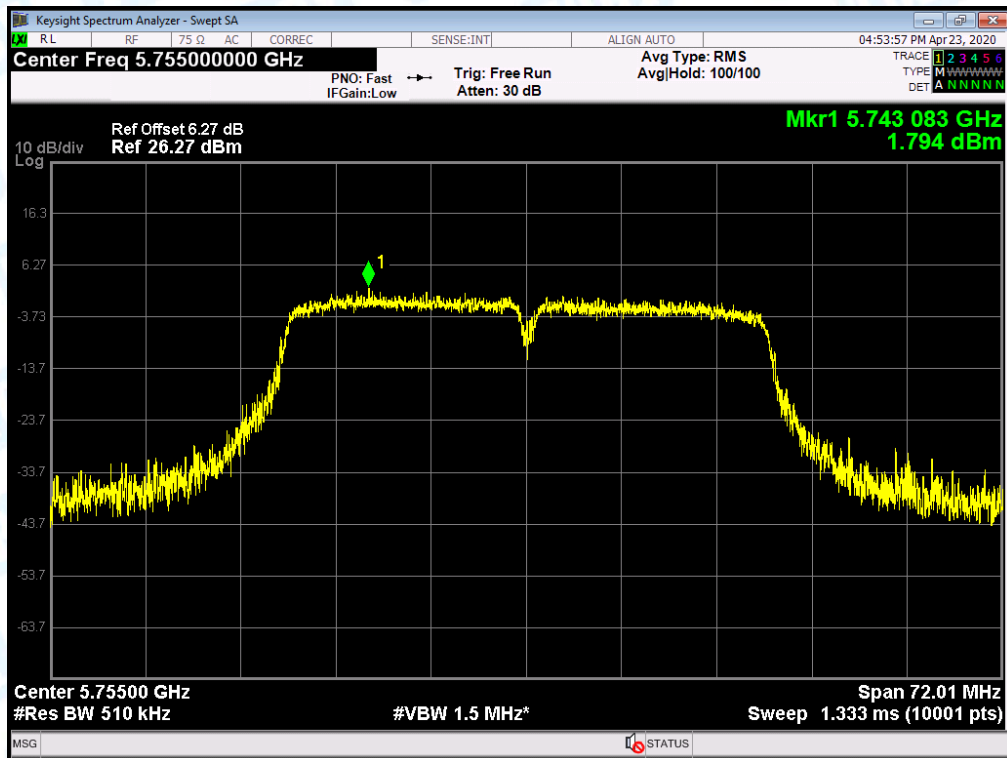
PSD NVNT 802.11ac20 5785MHz Ant1



PSD NVNT 802.11ac20 5825MHz Ant1

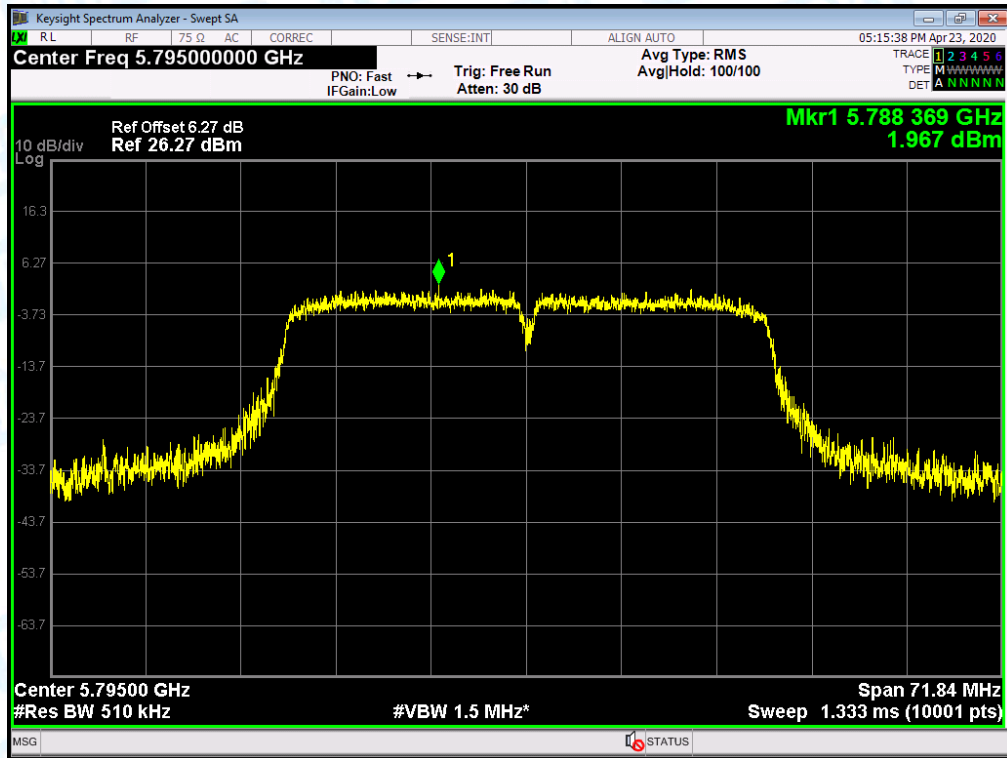


PSD NVNT 802.11n(HT40) 5755MHz Ant1

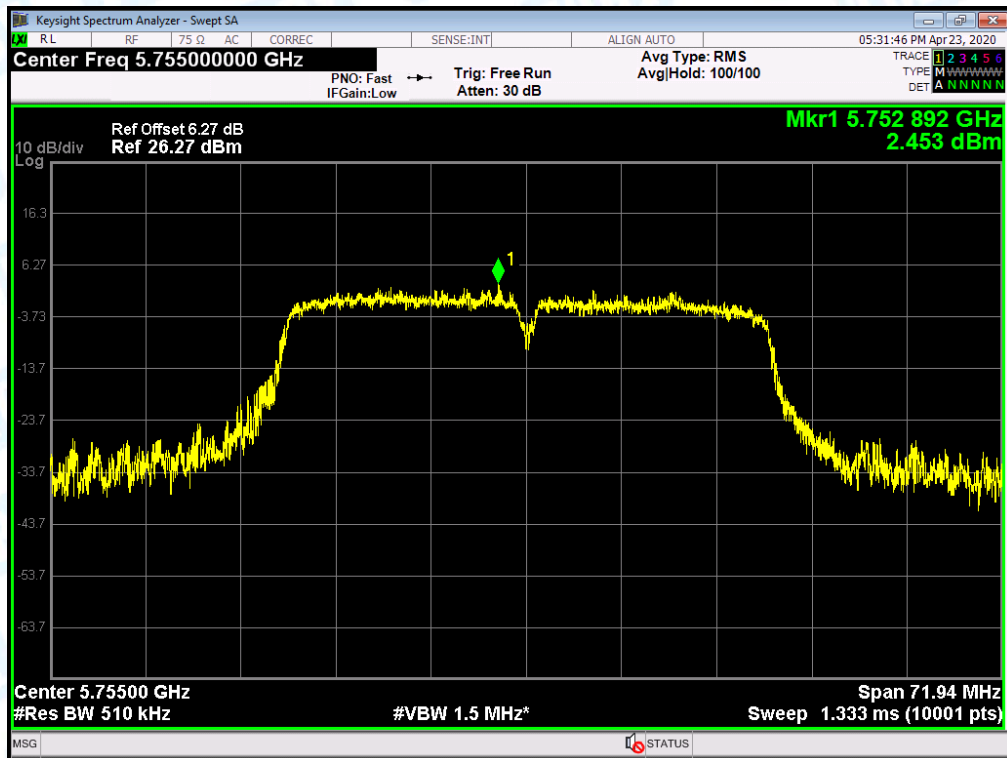




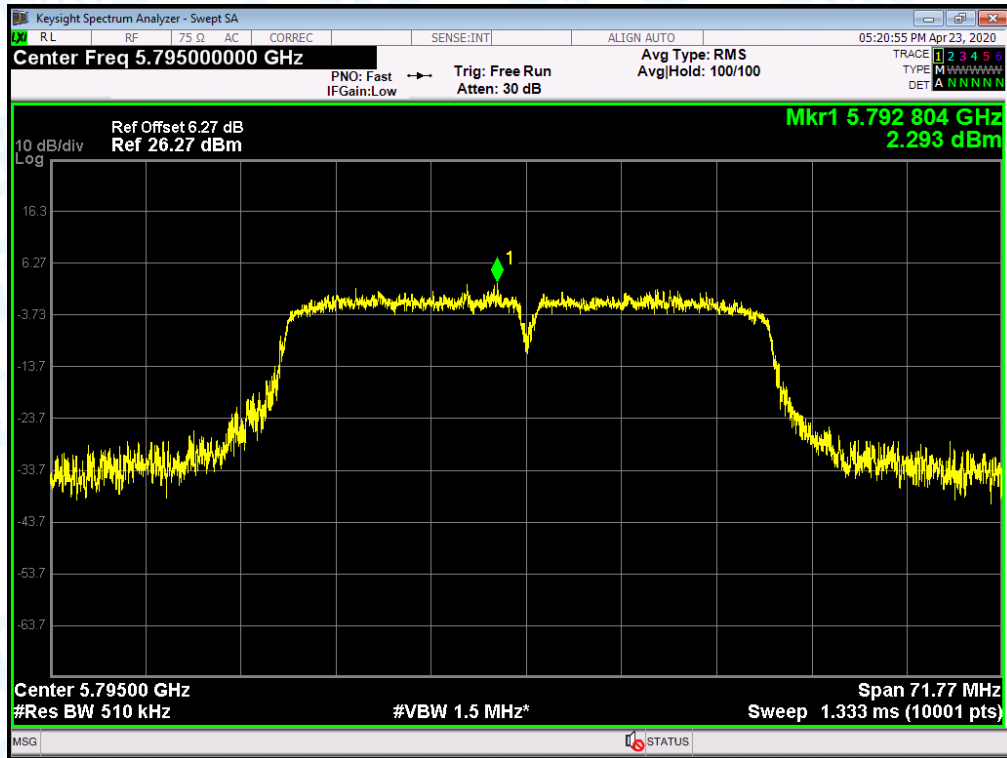
PSD NVNT 802.11n(HT40) 5795MHz Ant1



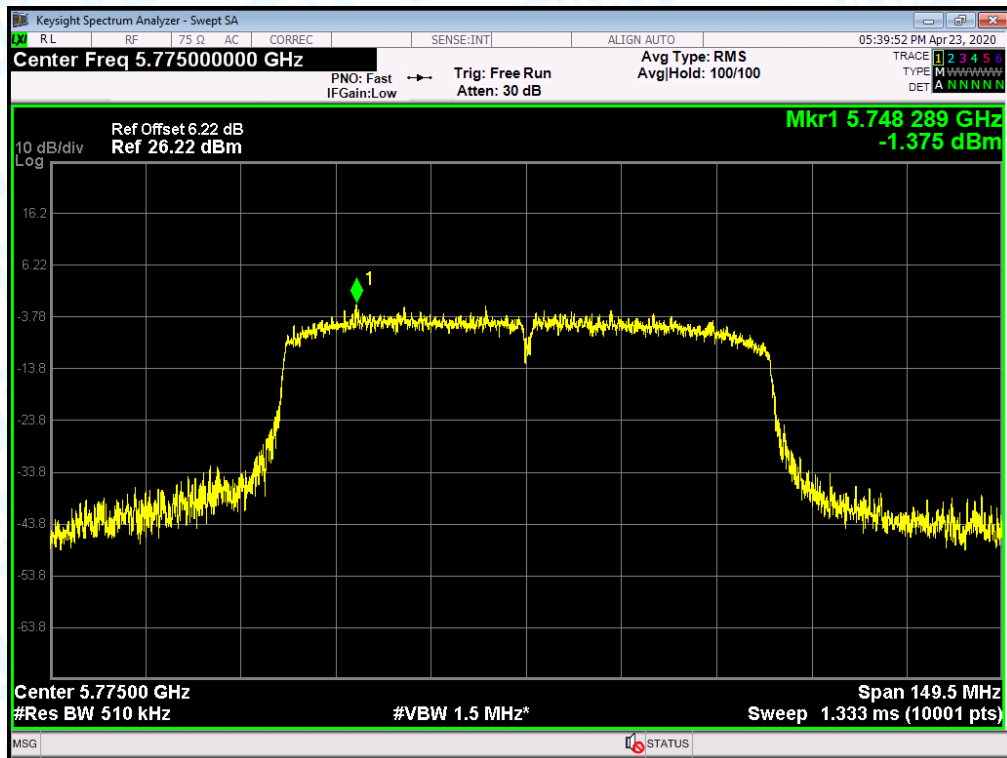
PSD NVNT 802.11ac40 5755MHz Ant1



PSD NVNT 802.11ac40 5795MHz Ant1



PSD NVNT 802.11ac80 5775MHz Ant1



## 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)
3.50	5180.0100
3.85	5180.0200
4.20	5180.0300
<b>Limit Range (MHz)</b>	5150-5250
<b>Result</b>	PASS
Temperature vs. Frequency Stability	
Temperature (°C)	Measurement Frequency (MHz)
0	5180.0300
10	5180.0200
20	5180.0200
30	5180.0400
40	5180.0500
50	5180.0400
<b>Limit Range (MHz)</b>	5150-5250
<b>Result</b>	PASS

Only show the worst case 802.11 a Mode 5745MHz.

<b>801.11a U-NII-3: 5745 MHz</b>	
<b>Voltage vs. Frequency Stability</b>	
<b>Voltage (V)</b>	<b>Measurement Frequency (MHz)</b>
3.50	5745.0300
3.85	5745.0200
4.20	5744.0200
<b>Limit Range (MHz)</b>	5725-5850
<b>Result</b>	PASS
<b>Temperature vs. Frequency Stability</b>	
<b>Temperature (°C)</b>	<b>Measurement Frequency (MHz)</b>
0	5745.0200
10	5745.0300
20	5745.0200
30	5745.0400
40	5745.0300
50	5745.0200
<b>Limit Range (MHz)</b>	5725-5850
<b>Result</b>	PASS

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