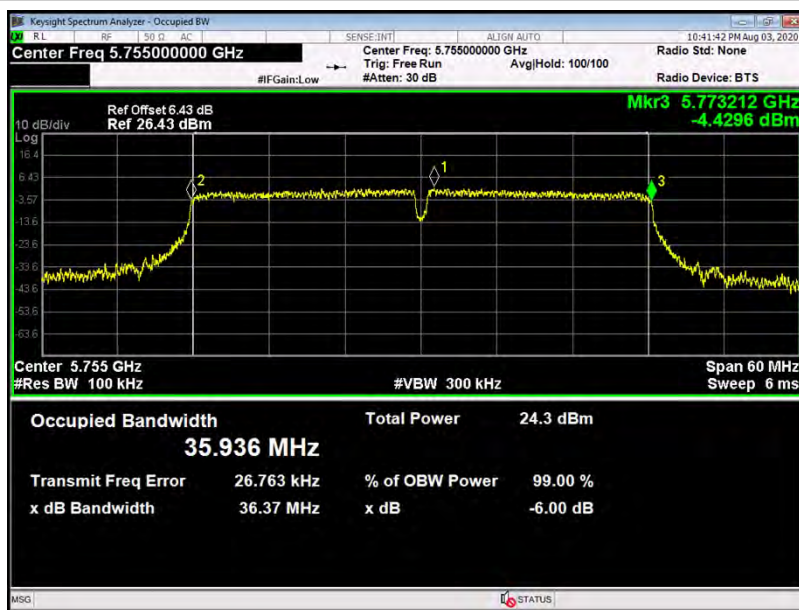


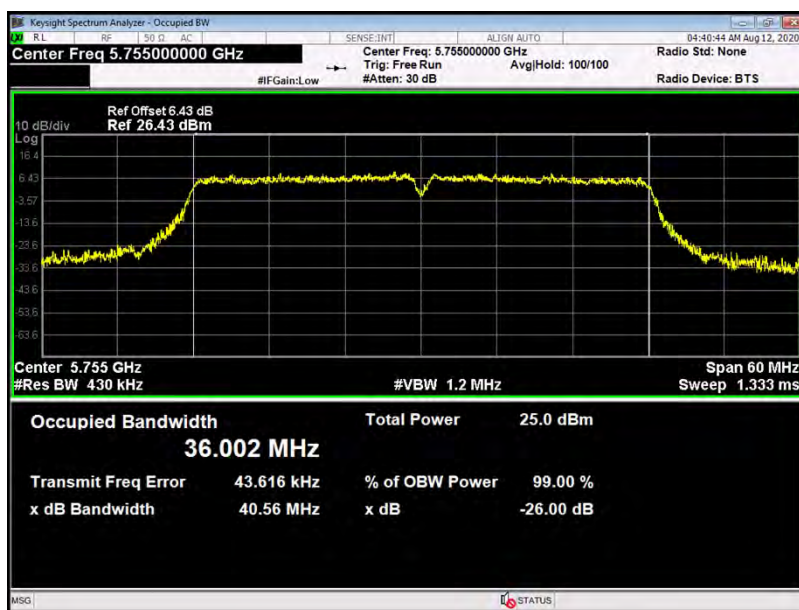
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11n(HT40) Mode (U-NII-3) Antenna 1		
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
151	5755	36.27	36.002
159	5795	36.34	36.064

802.11n(HT40) Mode

Antenna 1---5755 MHz-6dB Bandwidth

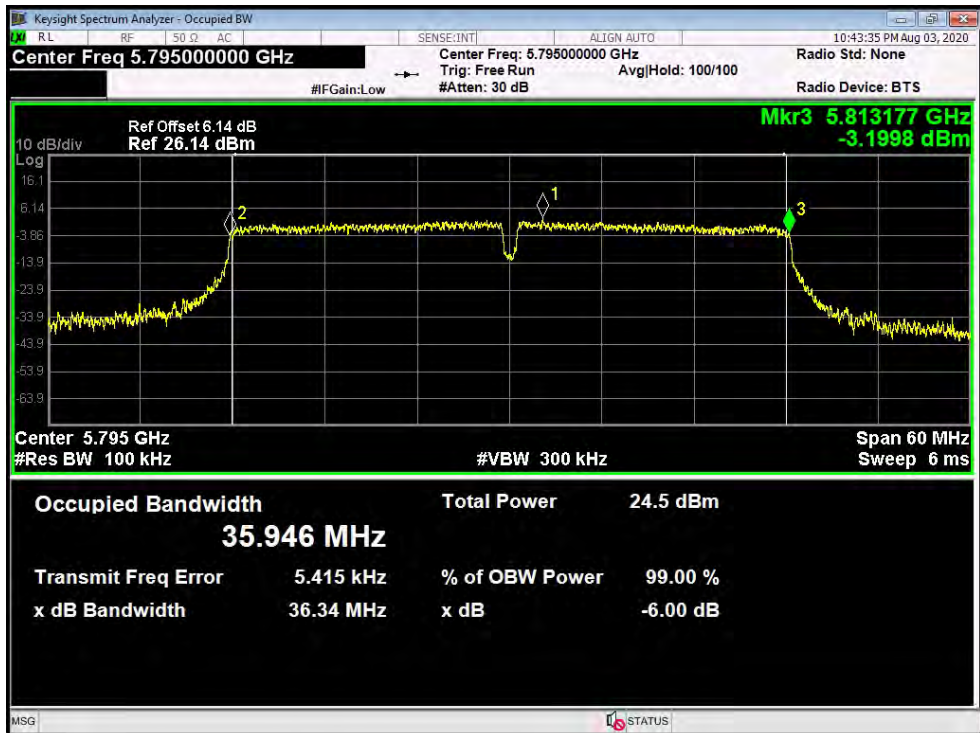


Antenna 1---5755 MHz-99%Bandwidth

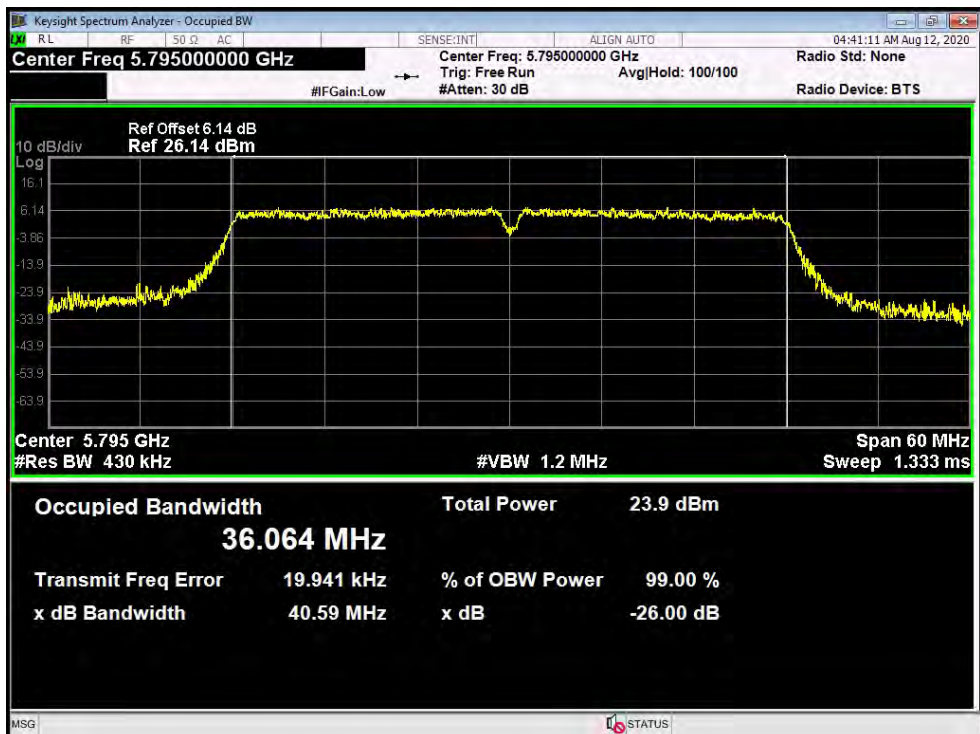


802.11n(HT40) Mode

Antenna 1---5795 MHz-6dB Bandwidth



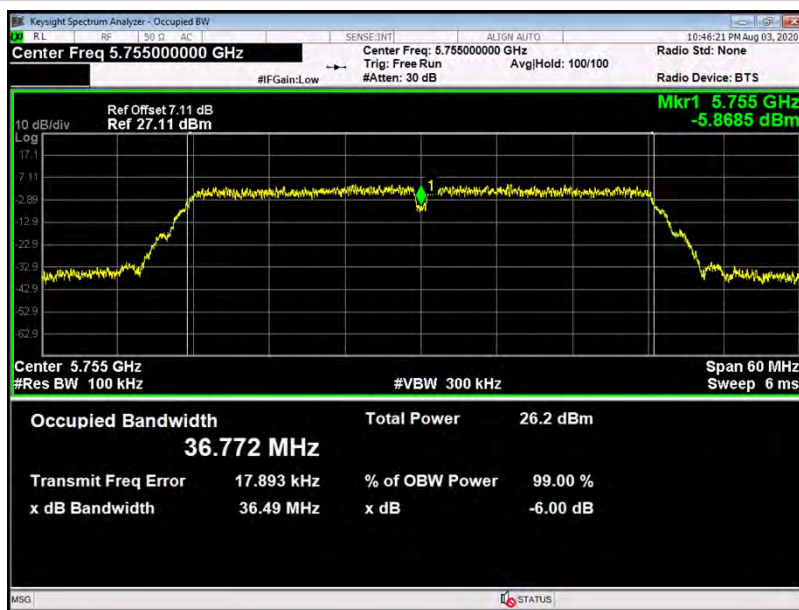
Antenna 1---5795 MHz-99%Bandwidth



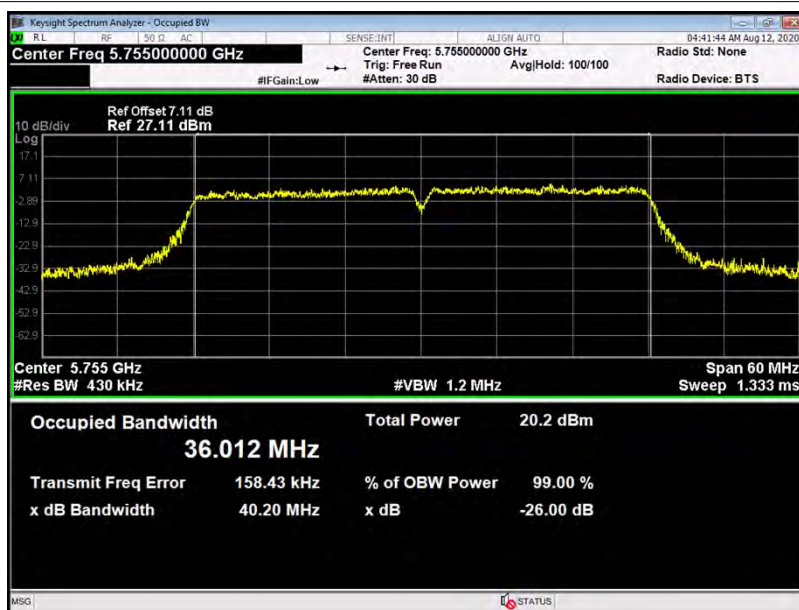
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11ac(VHT40) Mode (U-NII-3) Antenna 0		
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
151	5755	36.49	36.012
159	5795	36.34	36.060

802.11ac(VHT40) Mode

Antenna 0---5755 MHz-6dB Bandwidth

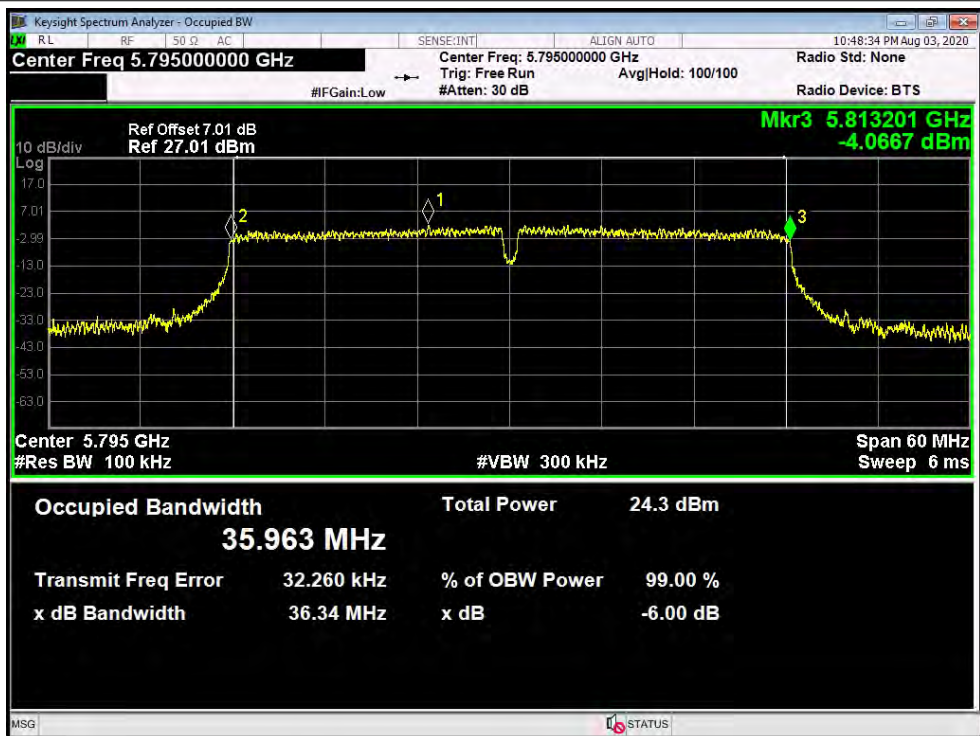


Antenna 0---5755 MHz-99%Bandwidth

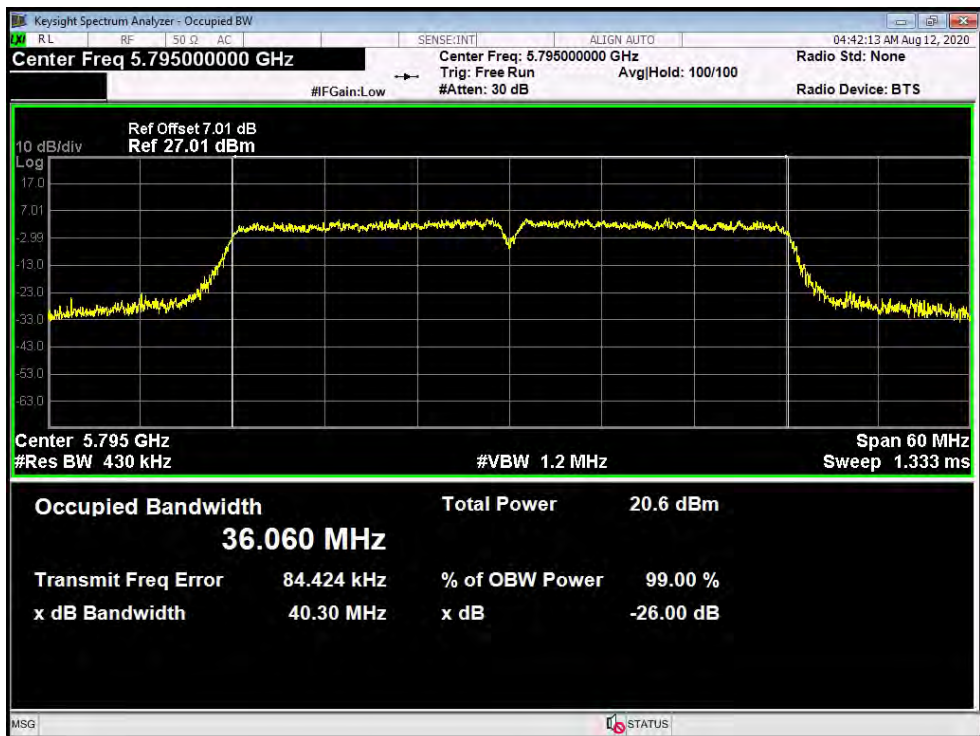


802.11n(HT40) Mode

Antenna 0---5795 MHz-6dB Bandwidth



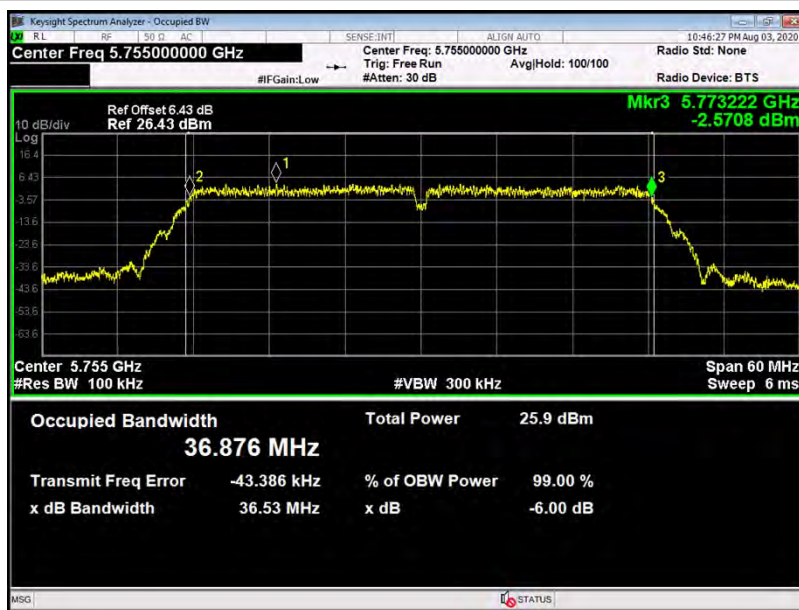
Antenna 0---5795 MHz-99%Bandwidth



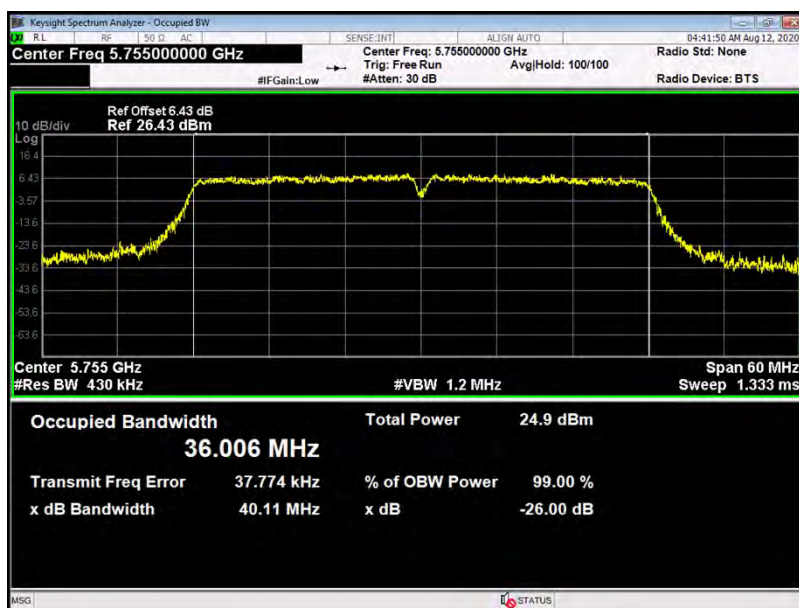
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11ac(VHT40) Mode (U-NII-3) Antenna 1		
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
151	5755	36.53	36.006
159	5795	36.38	36.065

802.11ac(VHT40) Mode

Antenna 1---5755 MHz-6dB Bandwidth

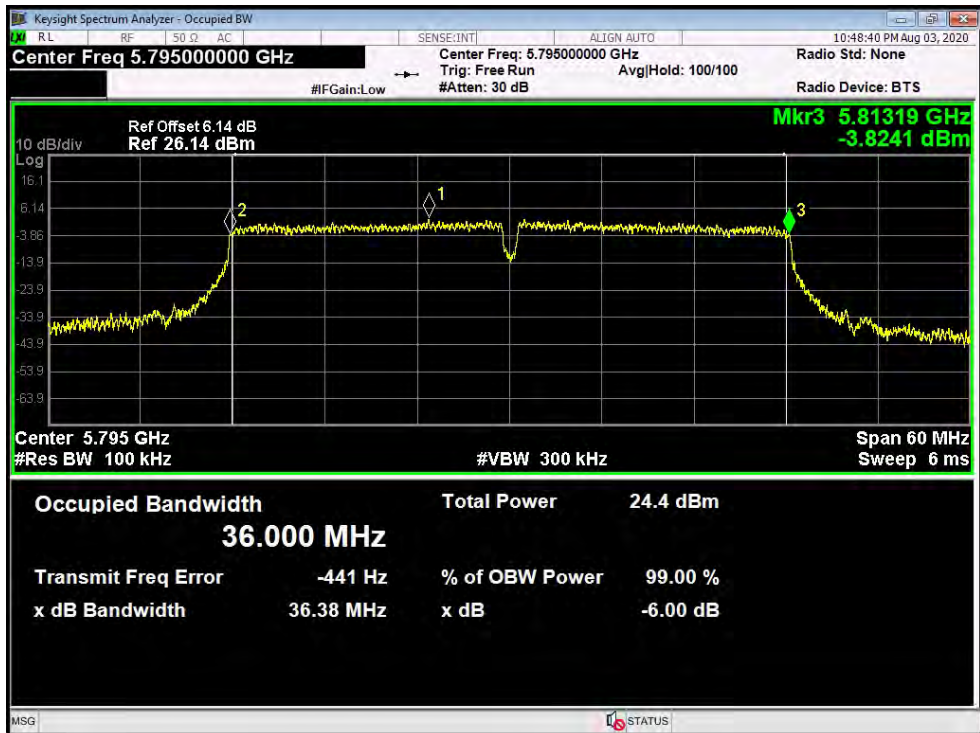


Antenna 1---5755 MHz-99%Bandwidth

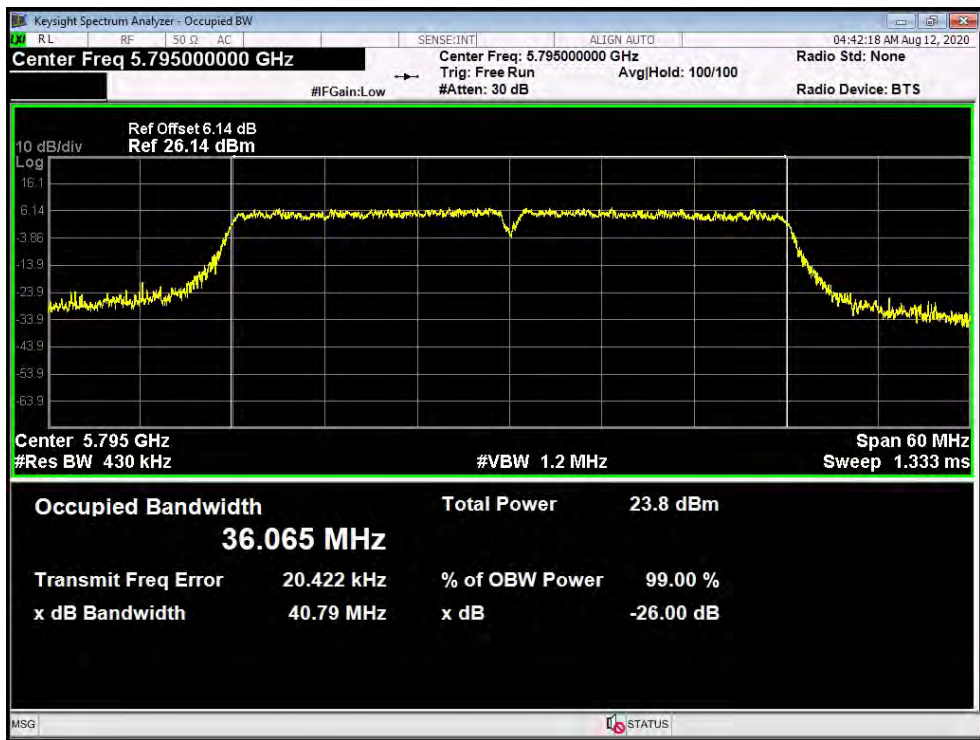


802.11ac(VHT40) Mode

Antenna 1---5795 MHz-6dB Bandwidth



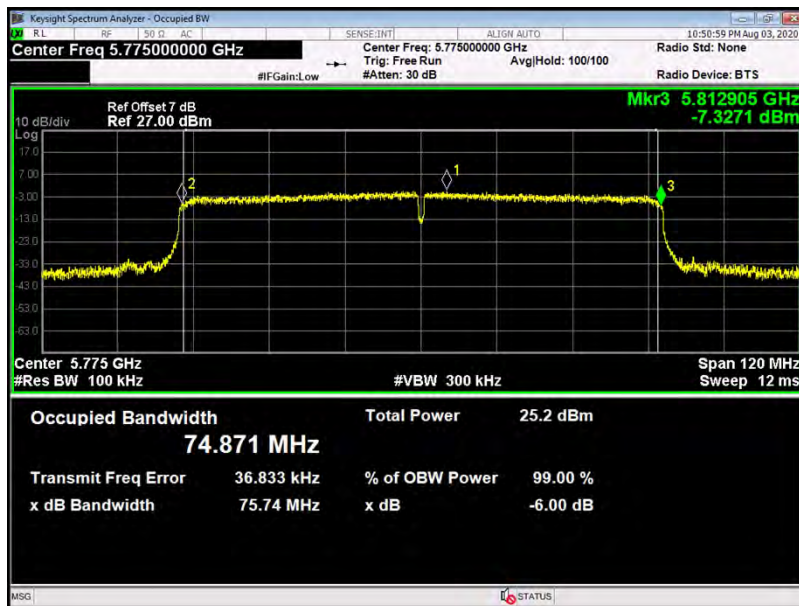
Antenna 1---5795 MHz-99%Bandwidth



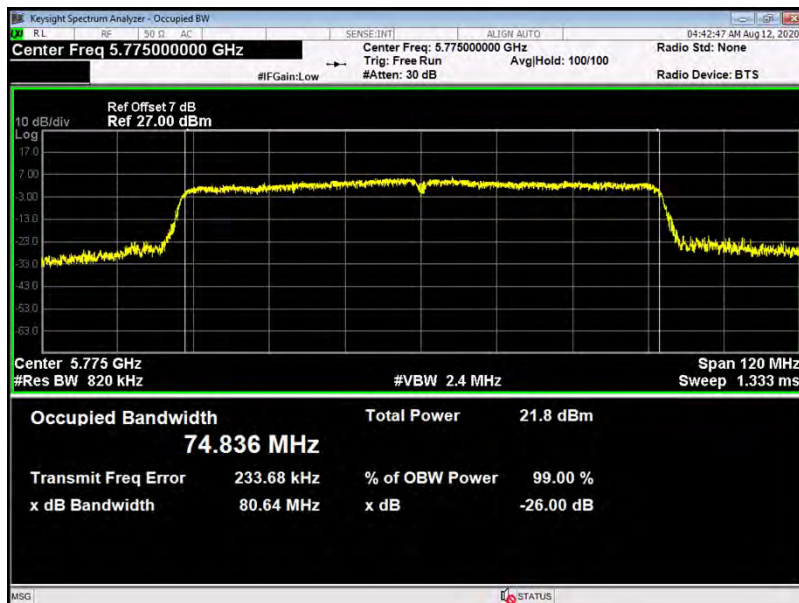
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11ac(HT80) Mode (U-NII-3) Antenna 0		
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
155	5775	75.74	74.836

802.11ac(VHT80) Mode

Antenna 0---5775 MHz-6dB Bandwidth



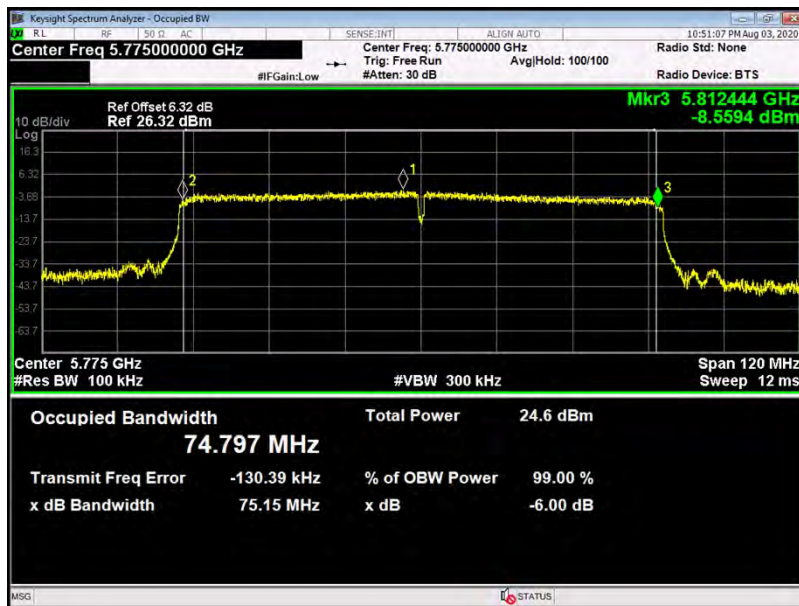
Antenna 0---5775 MHz-99%Bandwidth



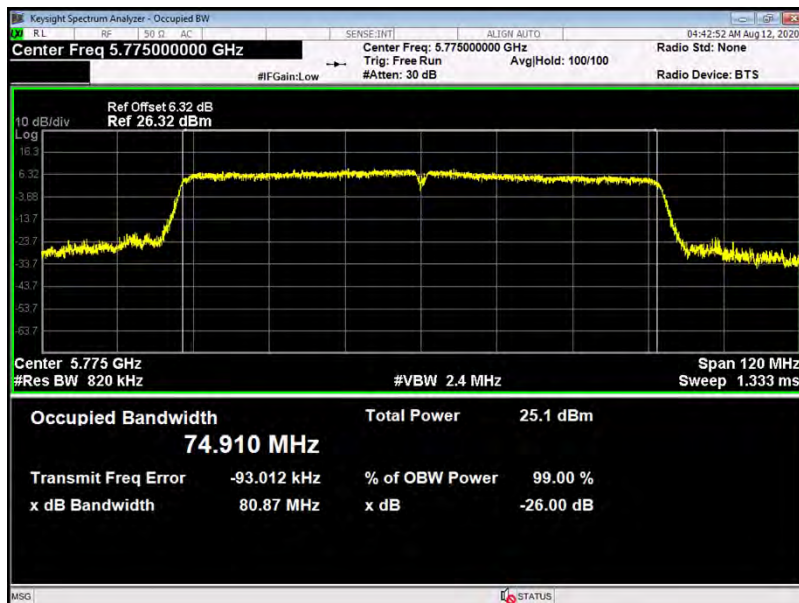
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX 802.11ac(HT80) Mode (U-NII-3) Antenna 1		
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
155	5775	75.15	74.910

802.11ac(VHT80) Mode

Antenna 1---5775 MHz-6dB Bandwidth



Antenna 1---5775 MHz-99%Bandwidth



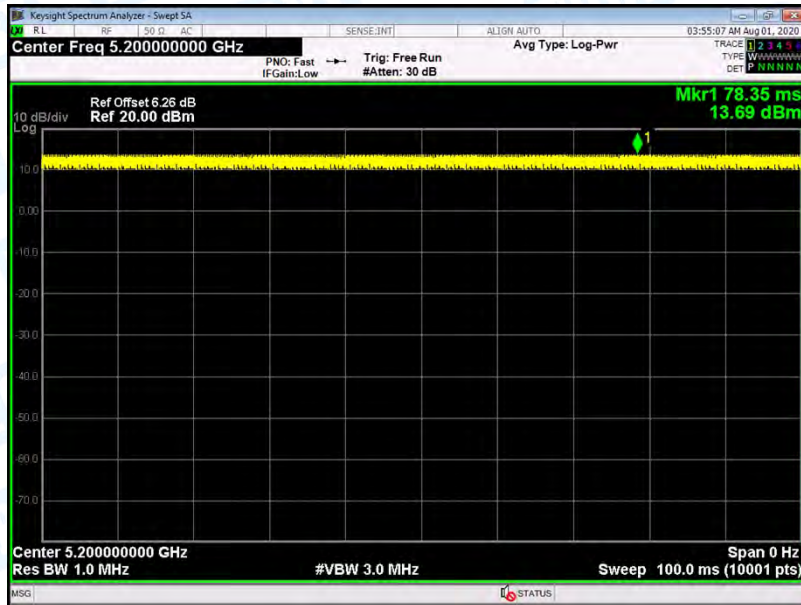
Attachment E--AVG Output Power and E.I.R.P Test Data

Temperature:		25 °C			Relative Humidity:		55%		
Test Voltage:		AC 120V/60Hz							
U-NII-1									
Test Mode	Frequency (MHz)	Conducted Power (dBm)		Duty Factor (dB)	Total Power (dBm)	Conducted Power Limit (dBm)	Directional Gain (dBi)	E.I.R.P (dBm)	E.I.R.P Limit (dBm)
		Ant. 0	Ant. 1						
802.11a	5180	18.74	17.48	0	21.17	29.99	6.01	27.18	36
	5200	18.60	17.21	0	20.97		6.01	26.98	
	5240	18.86	17.55	0	21.27		6.01	27.28	
802.11n (HT20)	5180	18.98	17.83	0	21.46		6.01	27.47	
	5200	18.53	17.11	0	20.89		6.01	26.90	
	5240	18.96	17.70	0	21.39		6.01	27.40	
802.11ac (VHT20)	5180	18.69	17.40	0	21.10		6.01	27.11	
	5200	18.74	17.16	0	21.03		6.01	27.04	
	5240	19.55	18.25	0	21.96		6.01	27.97	
802.11n (HT40)	5190	19.20	17.65	0	21.50		6.01	27.51	
	5230	19.61	18.16	0	21.95	6.01	27.96		
802.11ac(VHT40)	5190	18.46	17.15	0	20.87	6.01	26.88		
	5230	19.37	17.84	0	21.69	6.01	27.70		
802.11ac(VHT80)	5210	19.07	17.69	0	21.44	6.01	27.45		
Result: PASS									
<p>Remark: The EUT incorporates a MIMO function. Physically, the EUT provides two antennas for transmitting and receiving.</p> <p>When ANT. A and ANT. B transmitting simultaneously, so the</p> <p>Directional Gain= Gain_{ANT}+10log(N)dBi=6.01dBi>6dBi.</p> <p>So P_{out} = P_{limit}-(G_{TX}-6)]=(30-0.01)dBm=29.99dBm</p>									

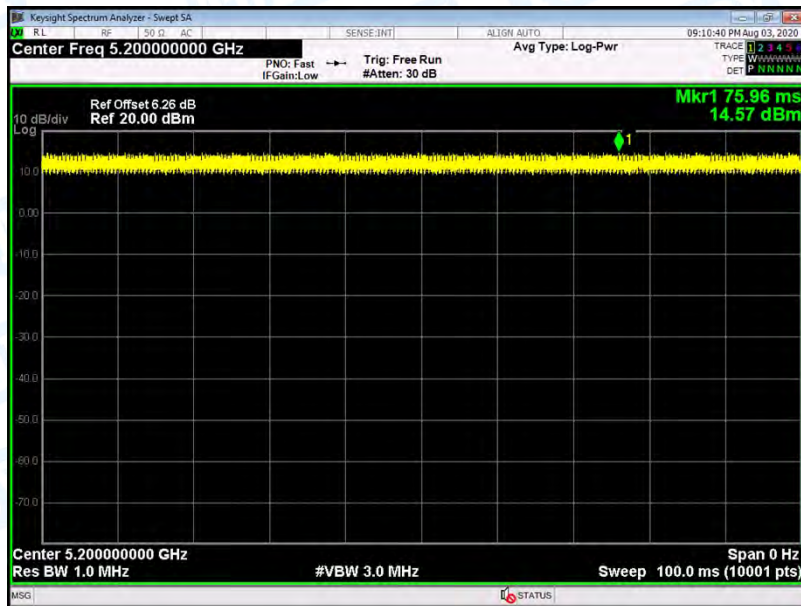
Temperature:		25 °C			Relative Humidity:		55%		
Test Voltage:		AC 120V/60Hz							
U-NII-3									
Test Mode	Frequency (MHz)	Conducted Power (dBm)		Duty Factor (dB)	Total Power (dBm)	Conducted Power Limit (dBm)	Directional Gain (dBi)	E.I.R.P (dBm)	E.I.R.P (dBm)
		Ant. 0	Ant. 1						
802.11a	5745	19.09	18.87	0	21.99	29.99	6.01	28.00	36
	5785	18.71	18.59	0	22.18		6.01	28.19	
	5825	18.12	18.26	0	21.20		6.01	27.21	
802.11n (HT20)	5745	19.08	18.51	0	22.31		6.01	28.32	
	5785	18.22	18.86	0	21.56		6.01	27.57	
	5825	18.11	17.90	0	21.02		6.01	27.03	
802.11ac (VHT20)	5745	18.93	19.44	0	22.20		6.01	28.21	
	5785	18.20	18.58	0	21.41		6.01	27.42	
	5825	17.84	17.94	0	20.90		6.01	26.91	
802.11n (HT40)	5755	19.34	17.10	0	22.23		6.01	28.24	
	5795	18.33	19.06	0	21.72		6.01	27.73	
802.11 ac(VHT40)	5755	19.32	17.14	0	22.24		6.01	28.25	
	5795	18.66	18.75	0	21.71		6.01	27.72	
802.11 ac(VHT80)	5775	19.69	19.14	0	22.44		6.01	28.45	
Result: PASS									
<p>Remark: The EUT incorporates a MIMO function. Physically, the EUT provides two antennas for transmitting and receiving.</p> <p>When ANT. 0 and ANT. 1 transmitting simultaneously, so the</p> <p>Directional Gain= Gain_{ANT}+10log(N)dBi =6.01dBi>6dBi.</p> <p>So P_{out} = P_{limit}-(G_{TX}-6)]=(30-0.01)dBm=29.99dBm</p>									

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.		

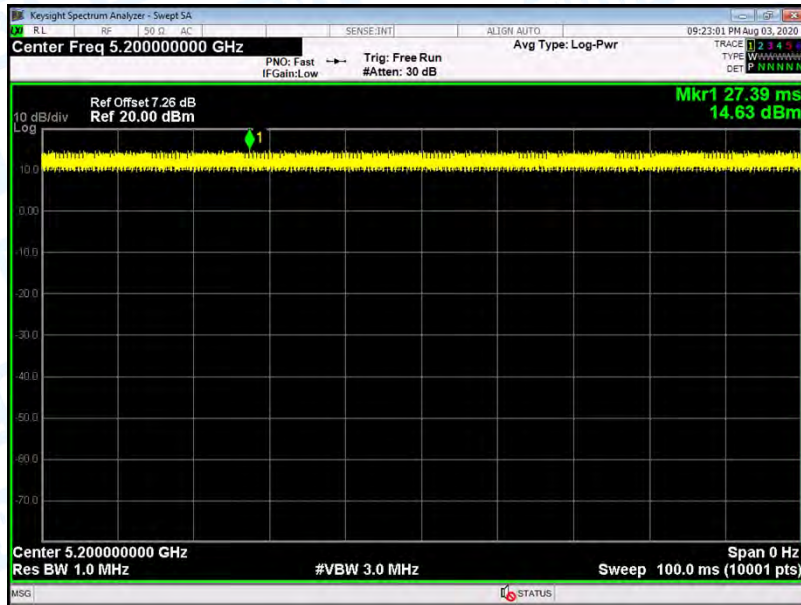
802.11 a 5200MHz U-NII-1



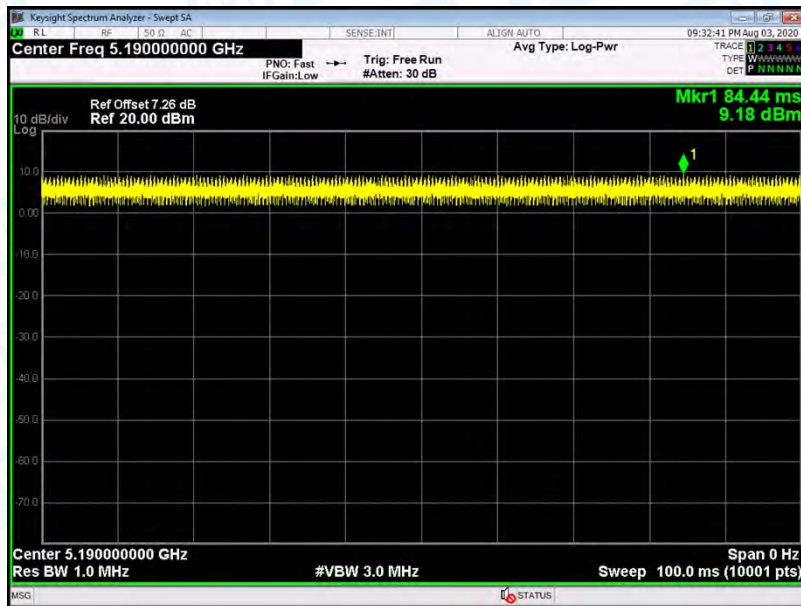
802.11 n(HT20) 5200MHz U-NII-1



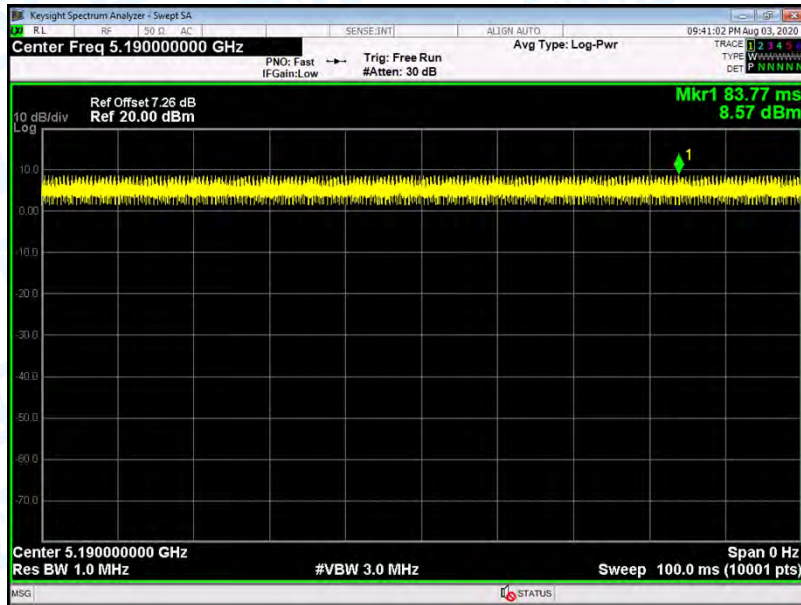
802.11 ac(VHT20) 5200MHz U-NII-1



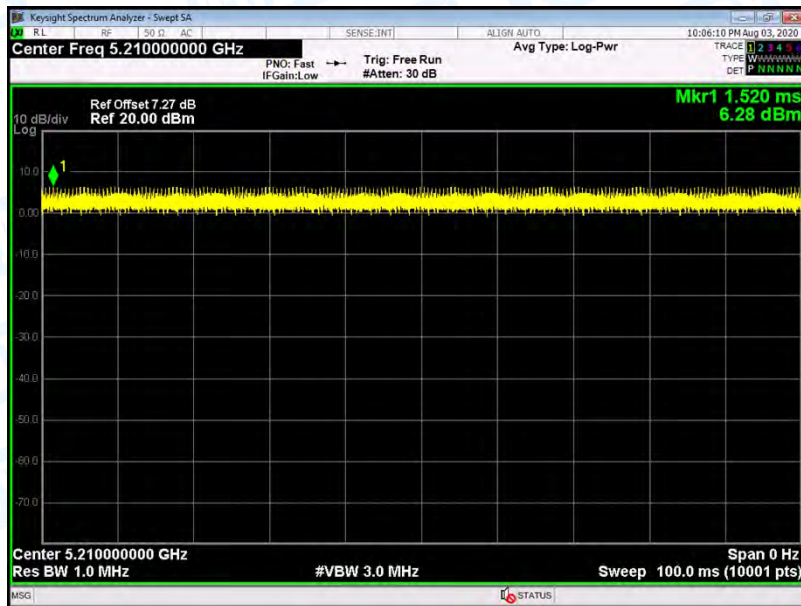
802.11 n(HT40) 5190MHz U-NII-1



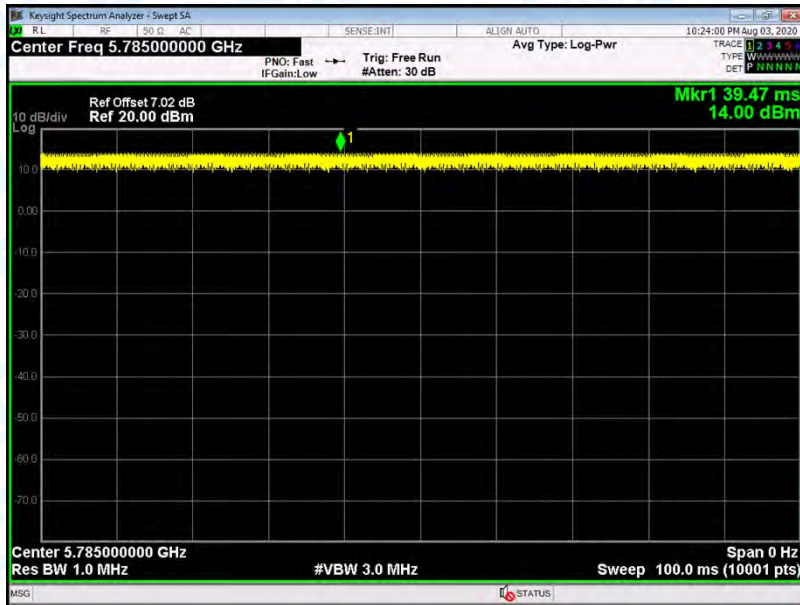
802.11 ac(VHT40) 5190MHz U-NII-1



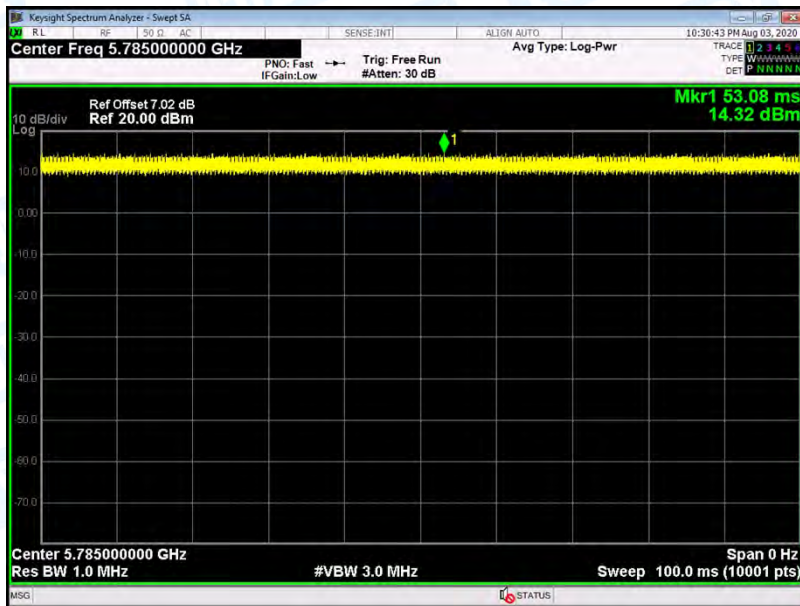
802.11 ac(HT80) 5210MHz U-NII-1



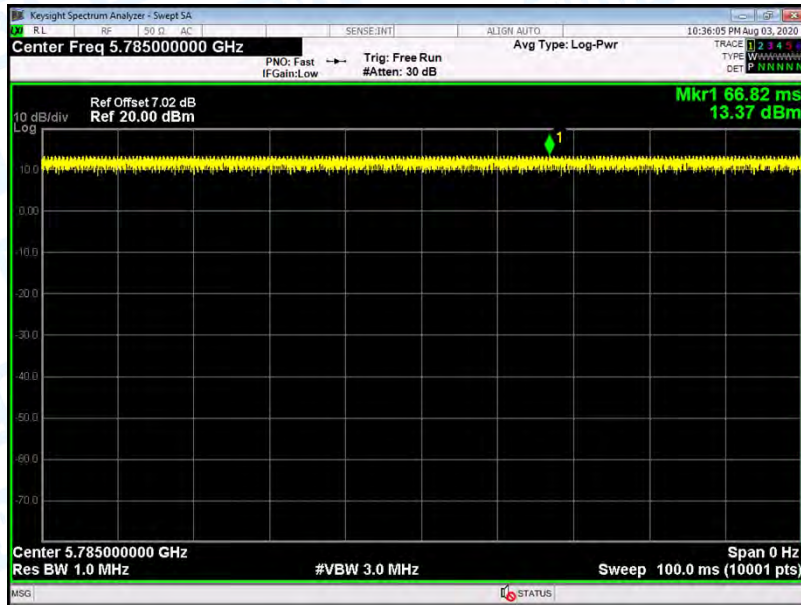
802.11 a 5785MHz U-NII-3



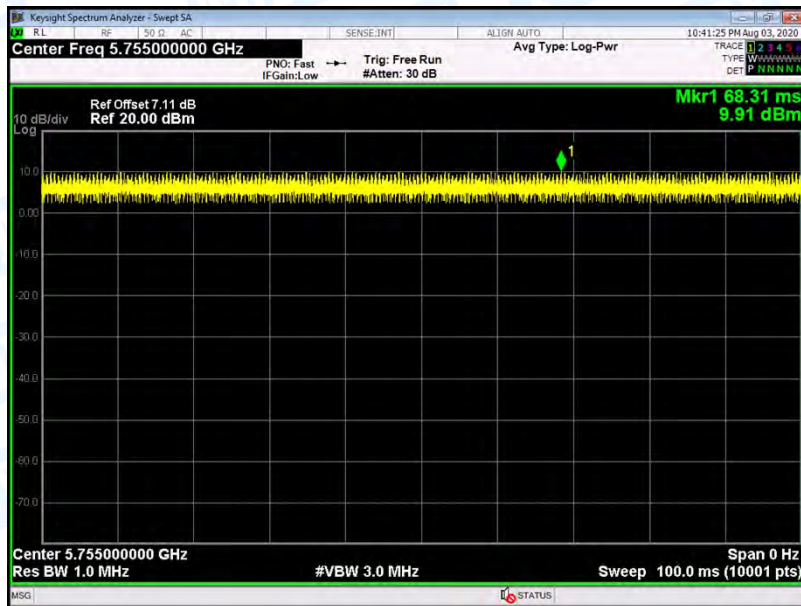
802.11 n(HT20) 5785MHz U-NII-3



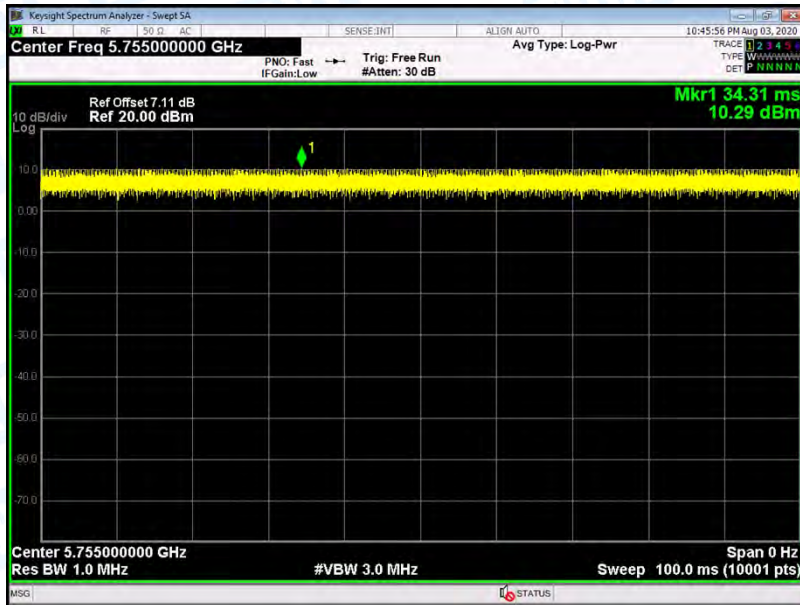
802.11 ac(VHT20) 5785MHz U-NII-3



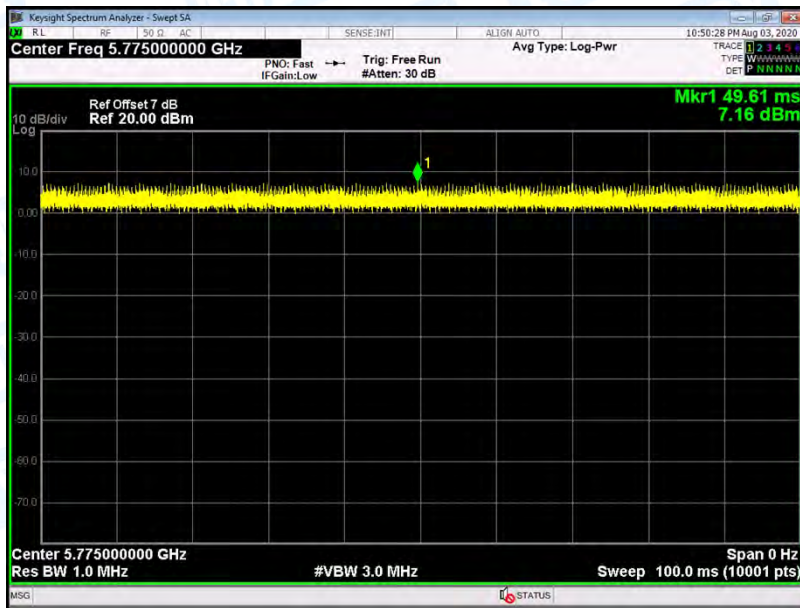
802.11 n(HT40) 5755MHz U-NII-3



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



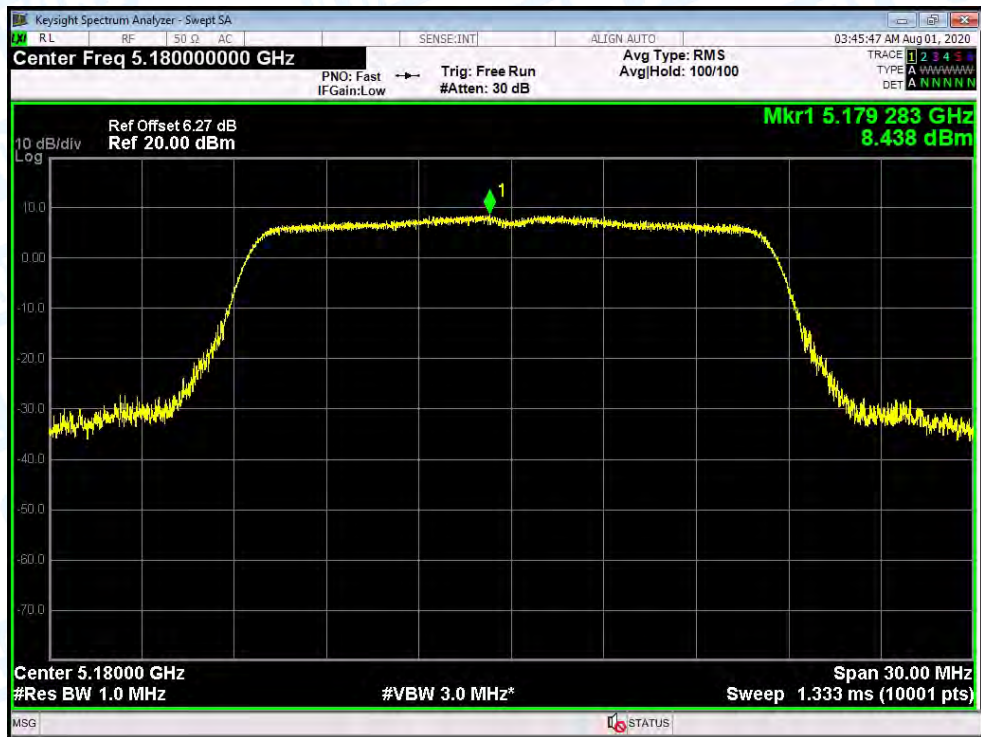
802.11 ac(VHT80) 5775MHz U-NII-3



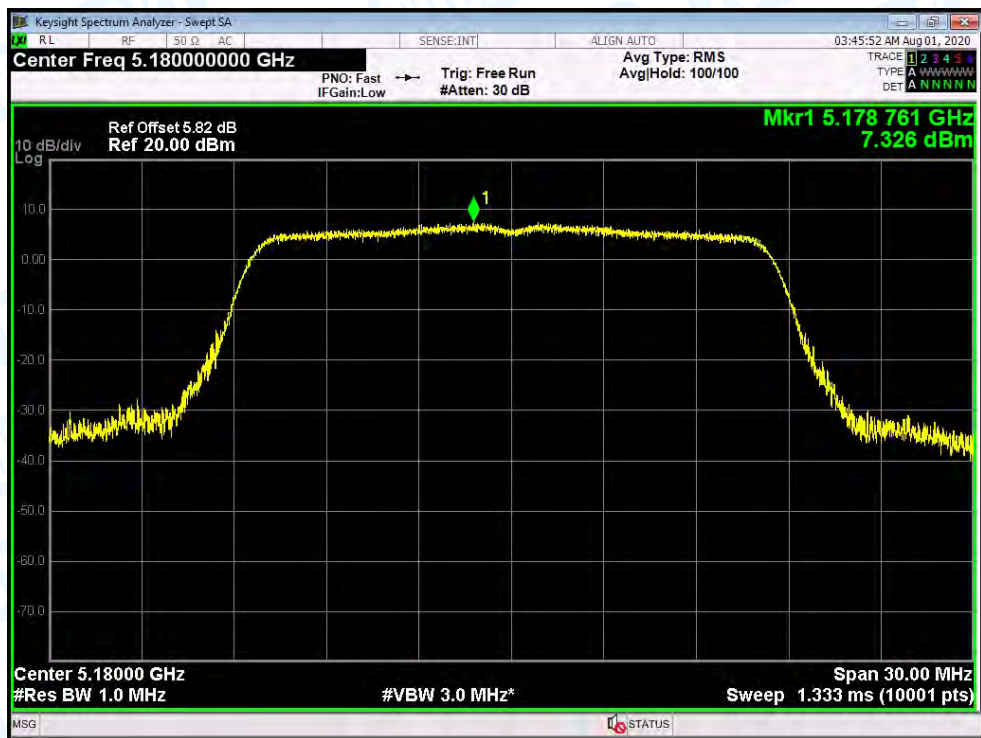
Attachment F-- Power Spectral Density Test Data

Temperature:	25 °C	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz					
U-NII-1						
Test Mode	Frequency (MHz)	Power Density				Limit (dBm/MHz)
		ANT. 0 (dBm/MHz)	ANT. 1 (dBm/MHz)	Duty Factor (dB)	Total PSD (dBm/MHz)	
802.11a	5180	8.438	7.326	0	10.928	16.99
	5200	6.966	5.000	0	9.104	
	5240	8.956	7.482	0	11.292	
802.11n (HT20)	5180	8.419	7.295	0	10.904	
	5200	7.818	6.925	0	10.405	
	5240	8.714	7.362	0	11.101	
802.11ac (VHT20)	5180	8.453	6.428	0	10.568	
	5200	8.646	6.791	0	10.827	
	5240	9.163	7.950	0	11.609	
802.11n (HT40)	5190	5.371	4.651	0	8.036	
	5230	5.881	4.632	0	8.312	
802.11ac(VHT40)	5190	5.145	3.390	0	7.959	
	5230	6.078	4.845	0	8.515	
802.11ac(VHT80)	5210	2.593	1.366	0	5.033	
Result: PASS						
<p>Remark: The EUT incorporates a MIMO function. Physically, the EUT provides two antennas for transmitting and receiving.</p> <p>When ANT. 0 and ANT. 1 transmitting simultaneously, so the Directional Gain= Gain_{ANT}+10log(N)dBi =6.01dBi>6dBi.</p> <p>So PSD_{out} = PSD_{limit}-(G_{TX}-6)]=(17-0.01)dBm/MHz=16.99dBm/MHz</p>						

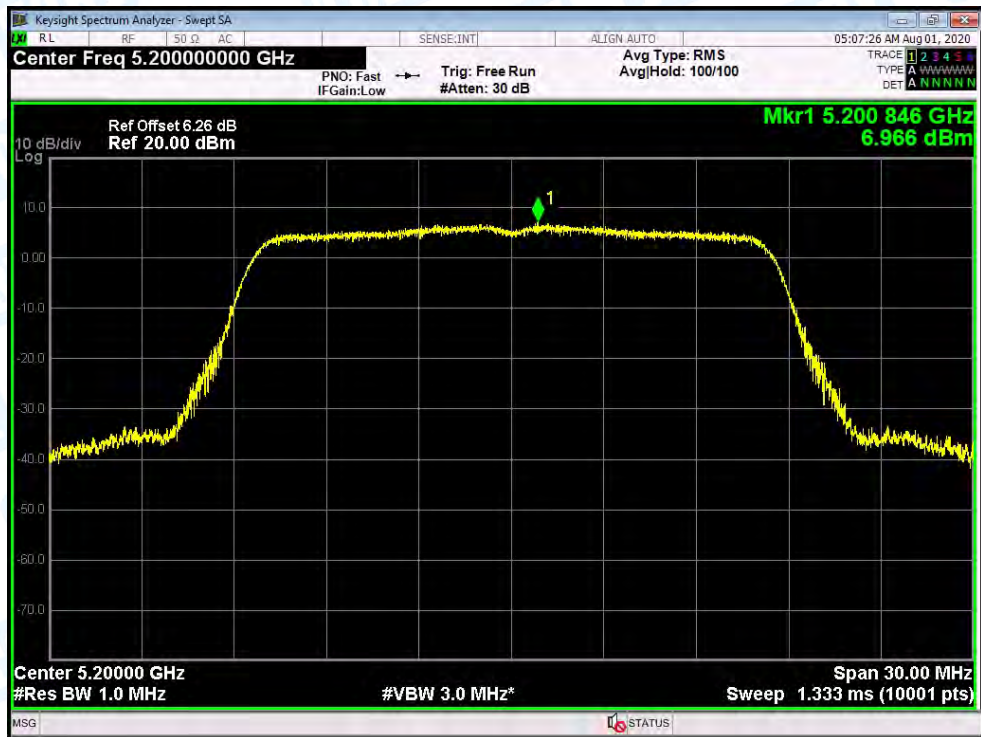
PSD NVNT a 5180MHz Ant.0



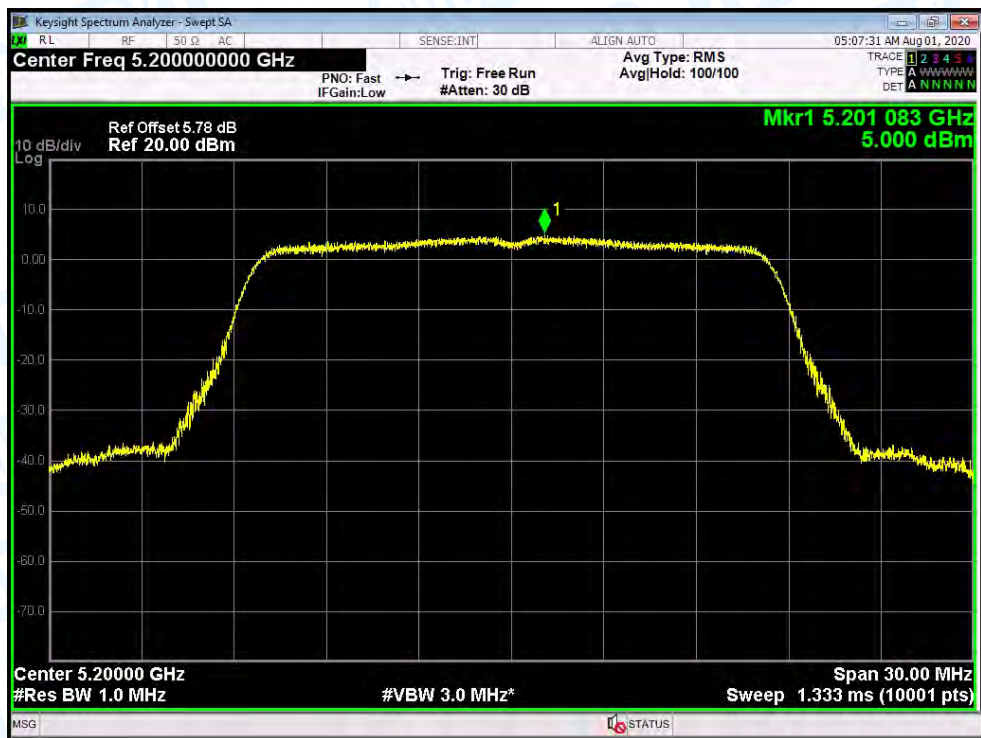
PSD NVNT a 5180MHz Ant.1



PSD NVNT a 5200MHz Ant.0



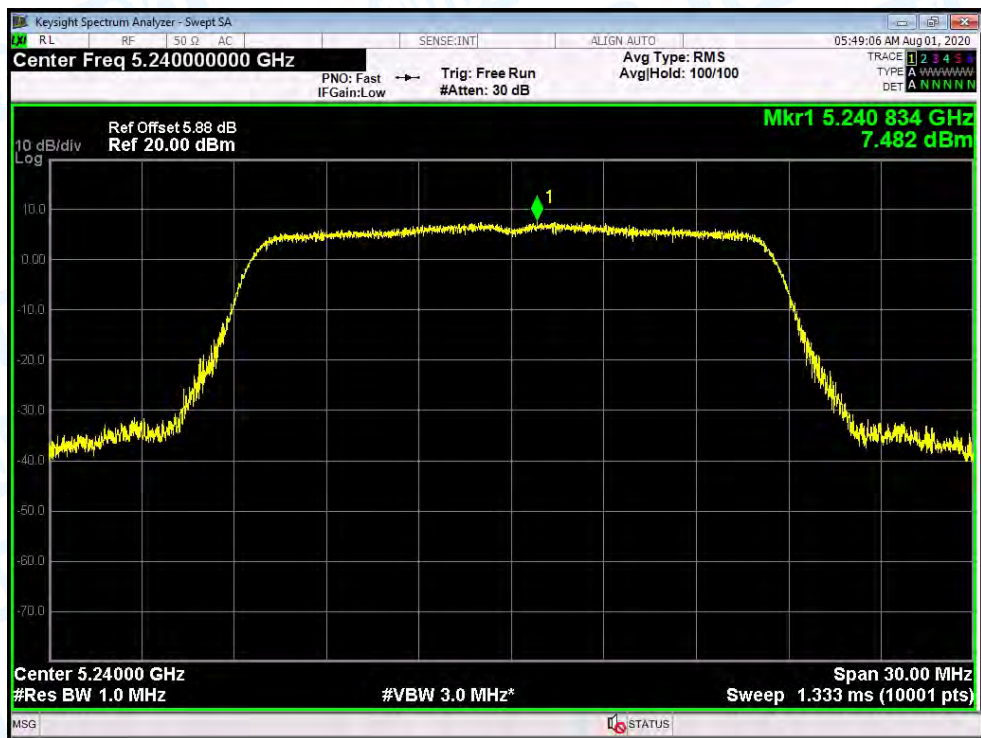
PSD NVNT a 5200MHz Ant.1



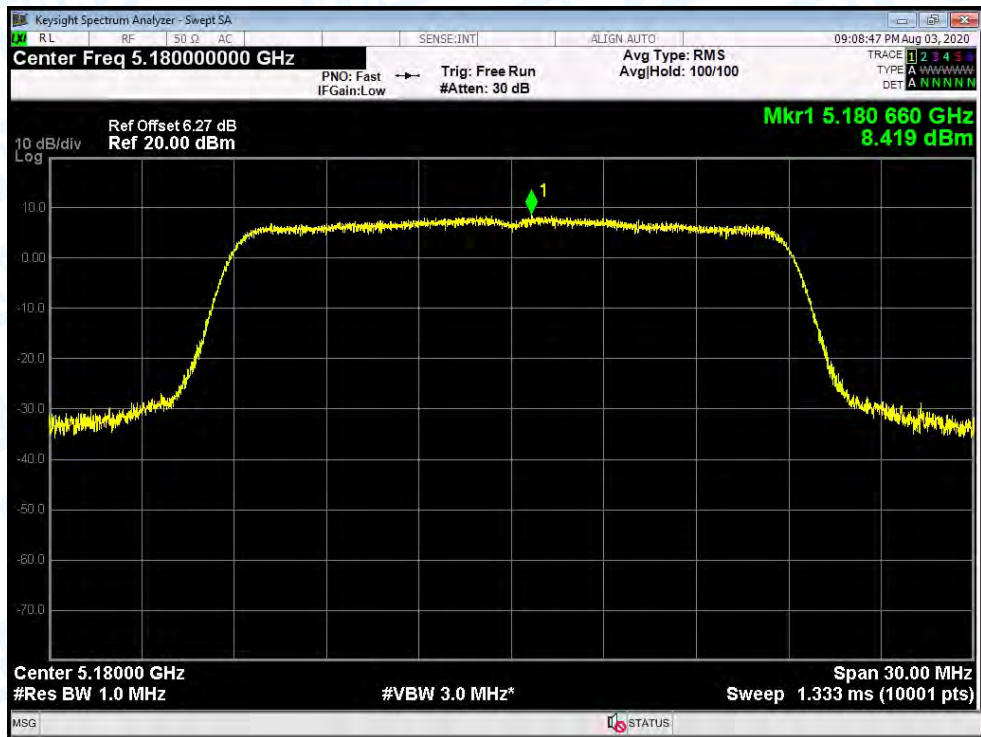
PSD NVNT a 5240MHz Ant.0



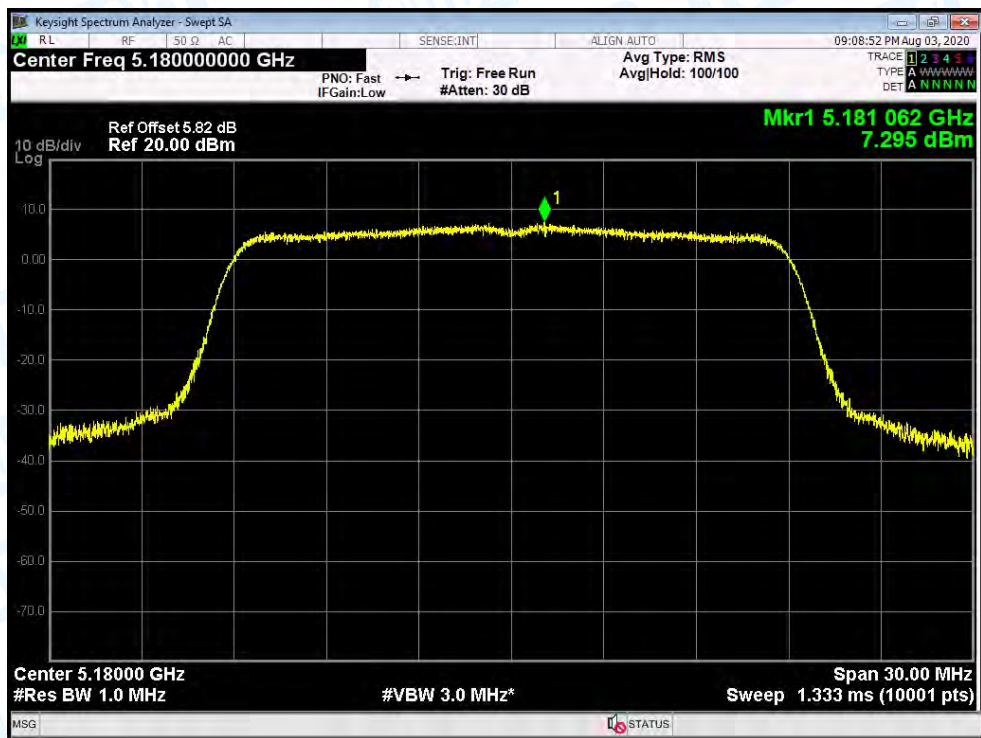
PSD NVNT a 5240MHz Ant.1



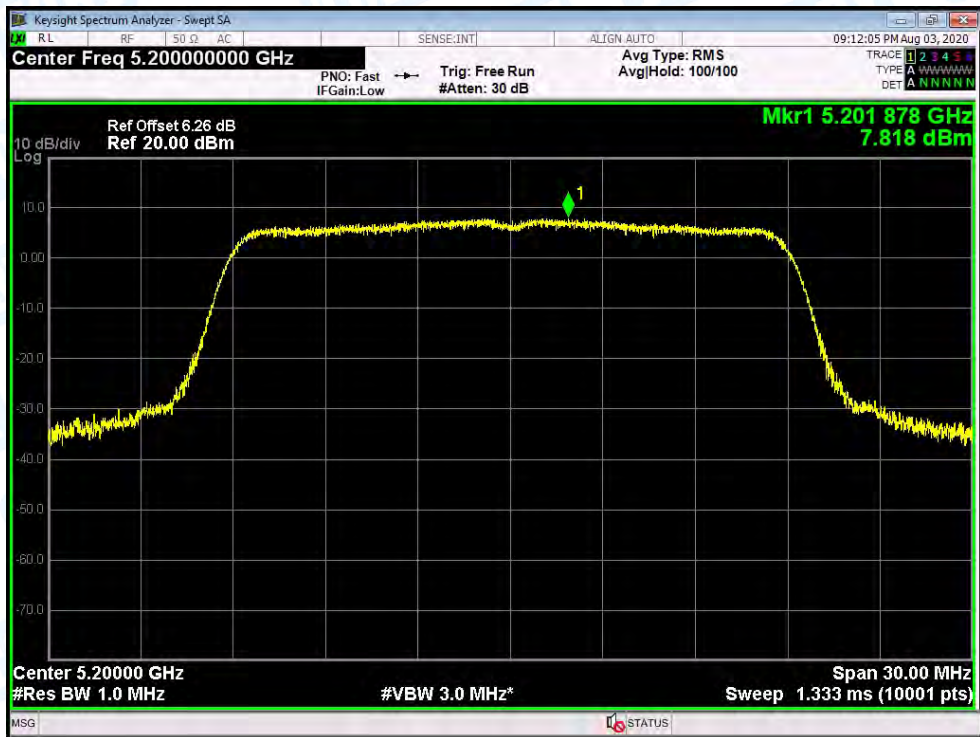
PSD NVNT n(HT20) 5180MHz Ant.0



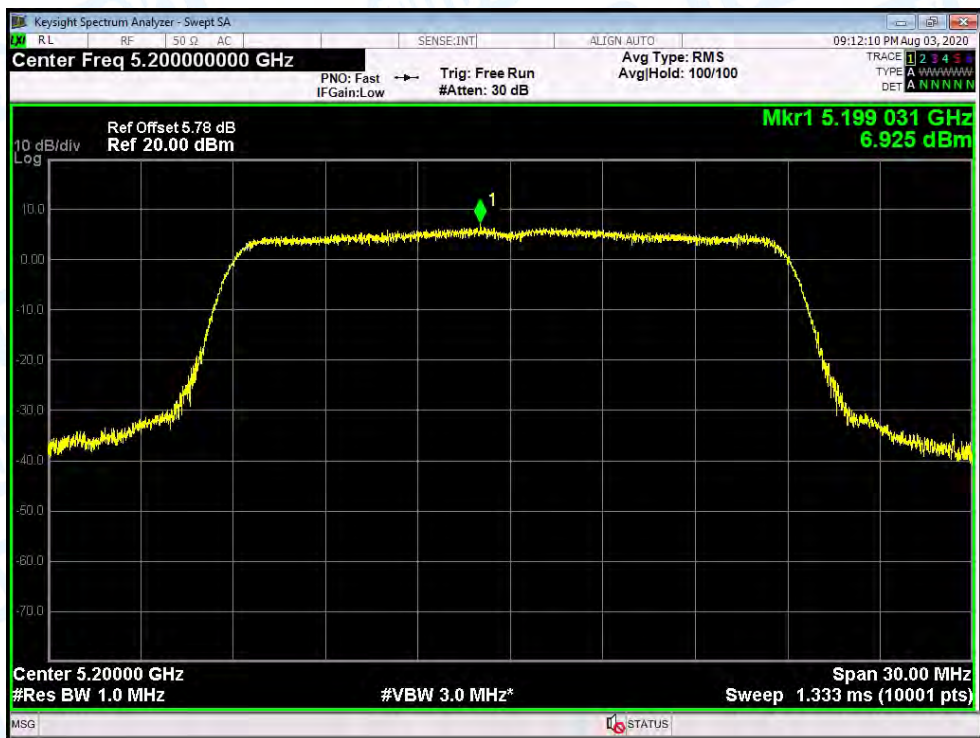
PSD NVNT n(HT20) 5180MHz Ant.1



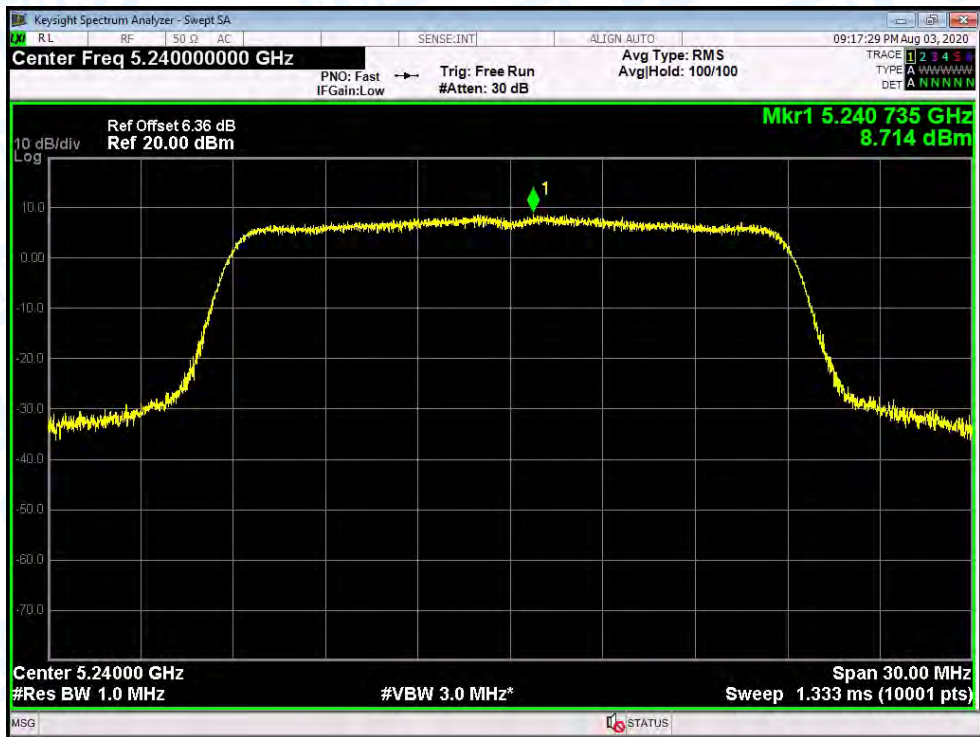
PSD NVNT n(HT20) 5200MHz Ant.0



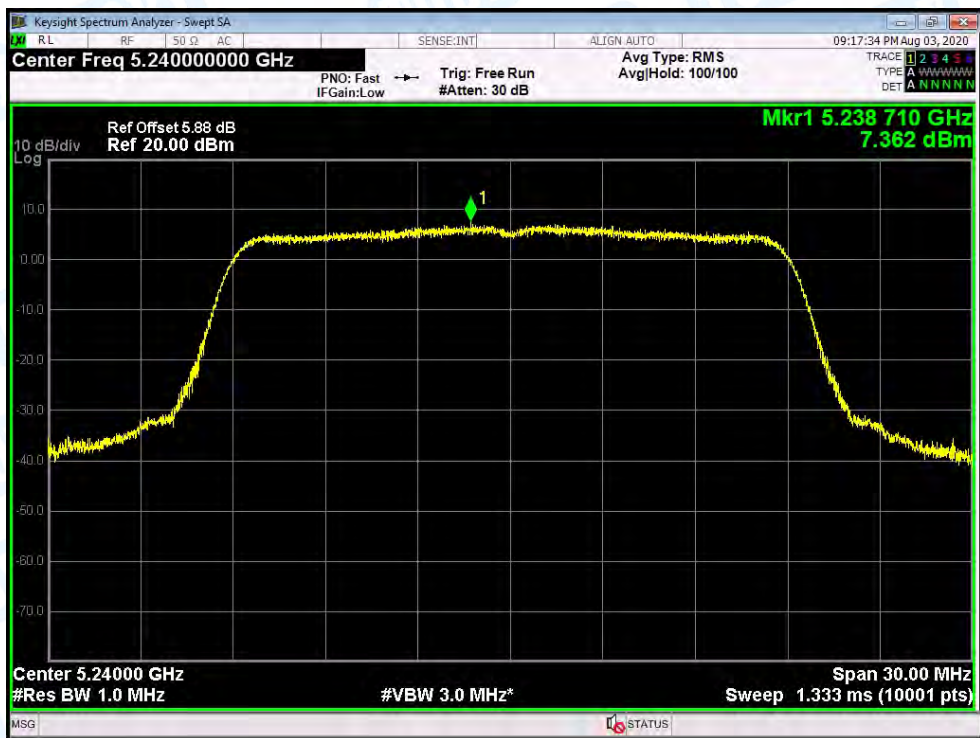
PSD NVNT n(HT20) 5200MHz Ant.1



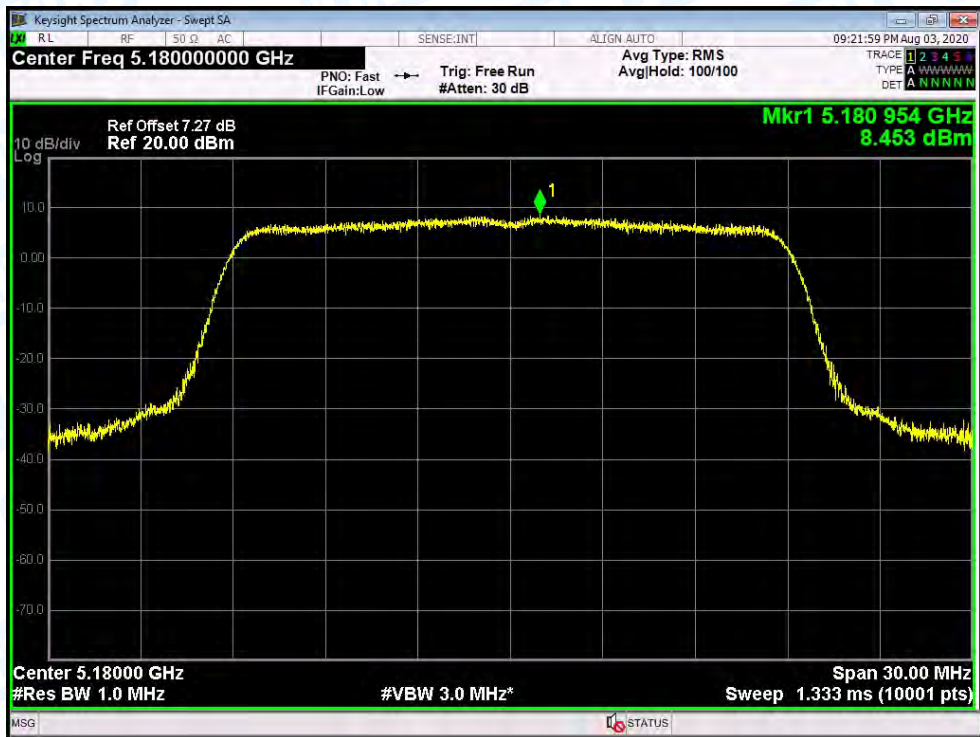
PSD NVNT n(HT20) 5240MHz Ant.0



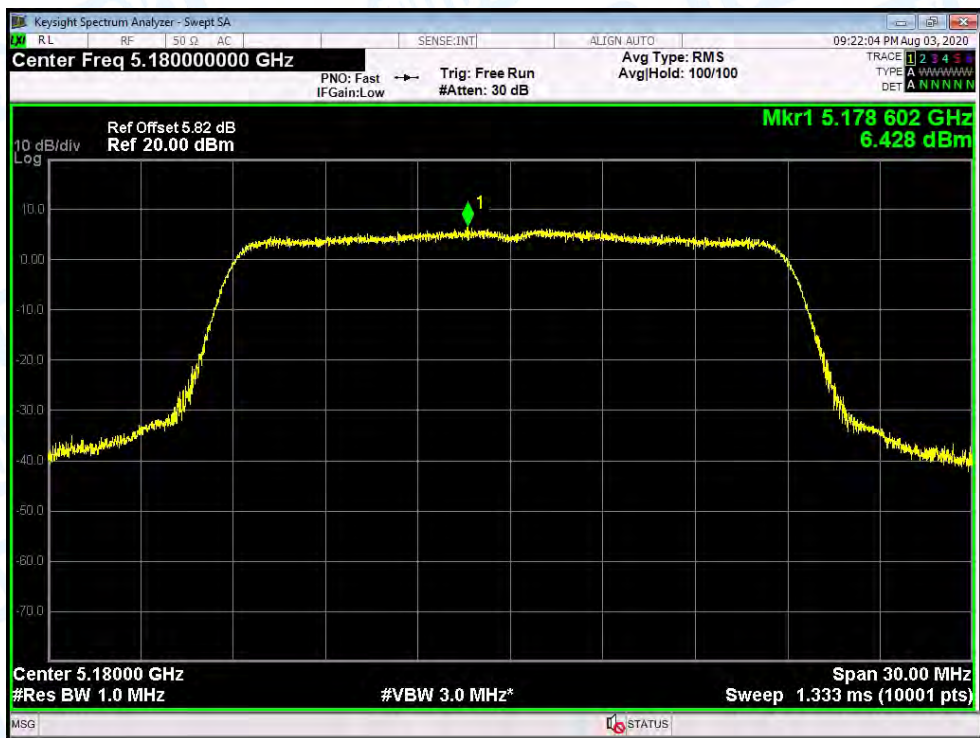
PSD NVNT n(HT20) 5240MHz Ant.1



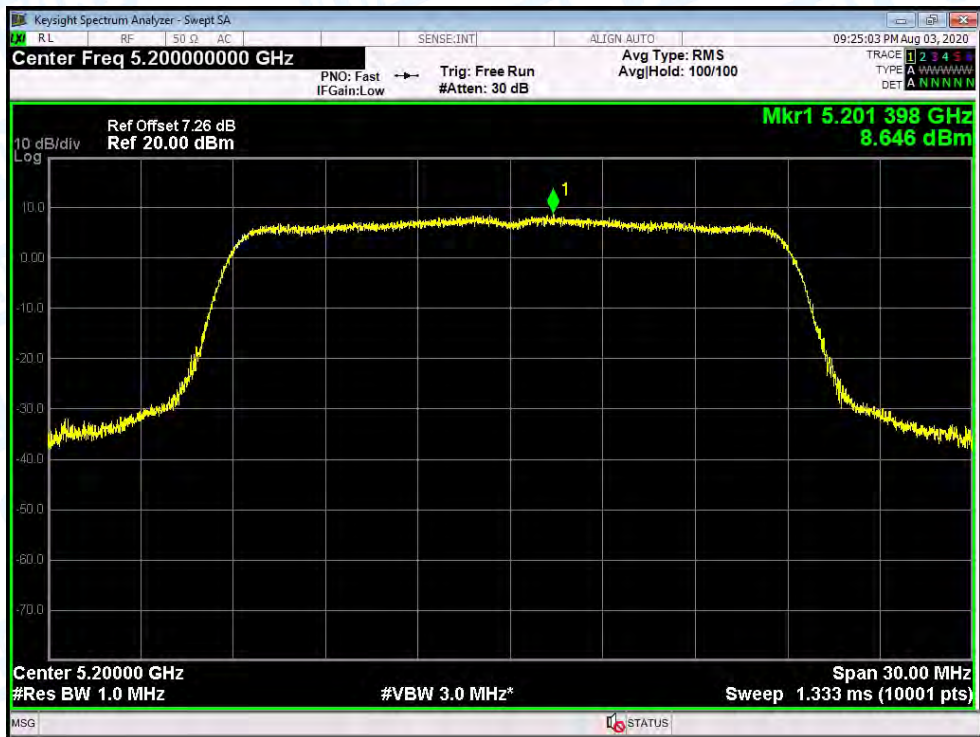
PSD NVNT ac(VHT20) 5180MHz Ant.0



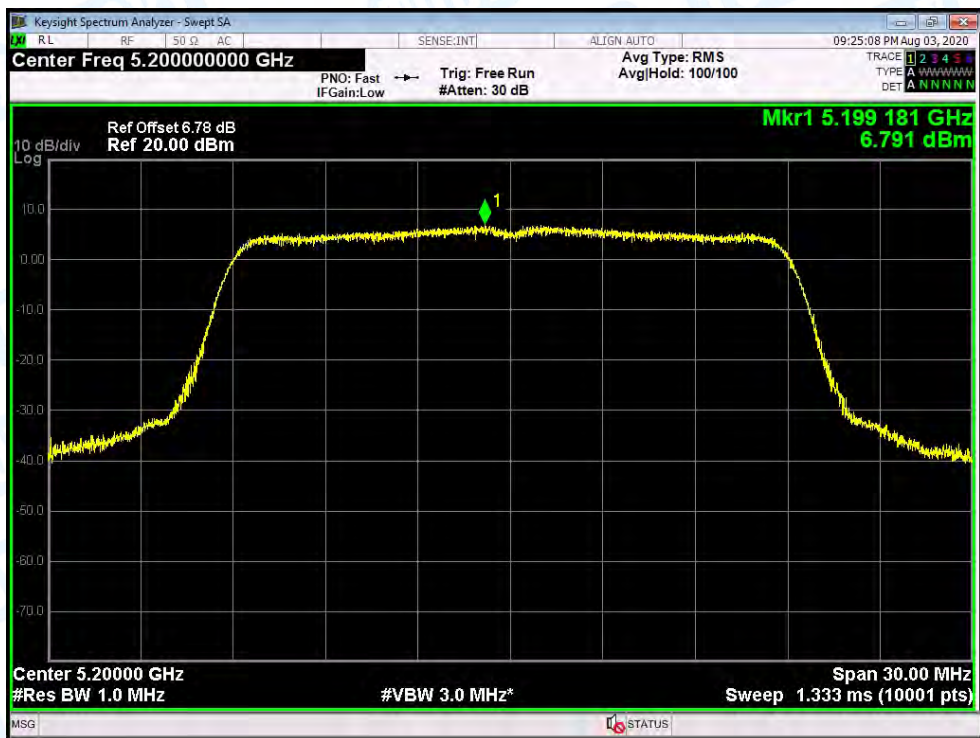
PSD NVNT ac(VHT20) 5180MHz Ant.1



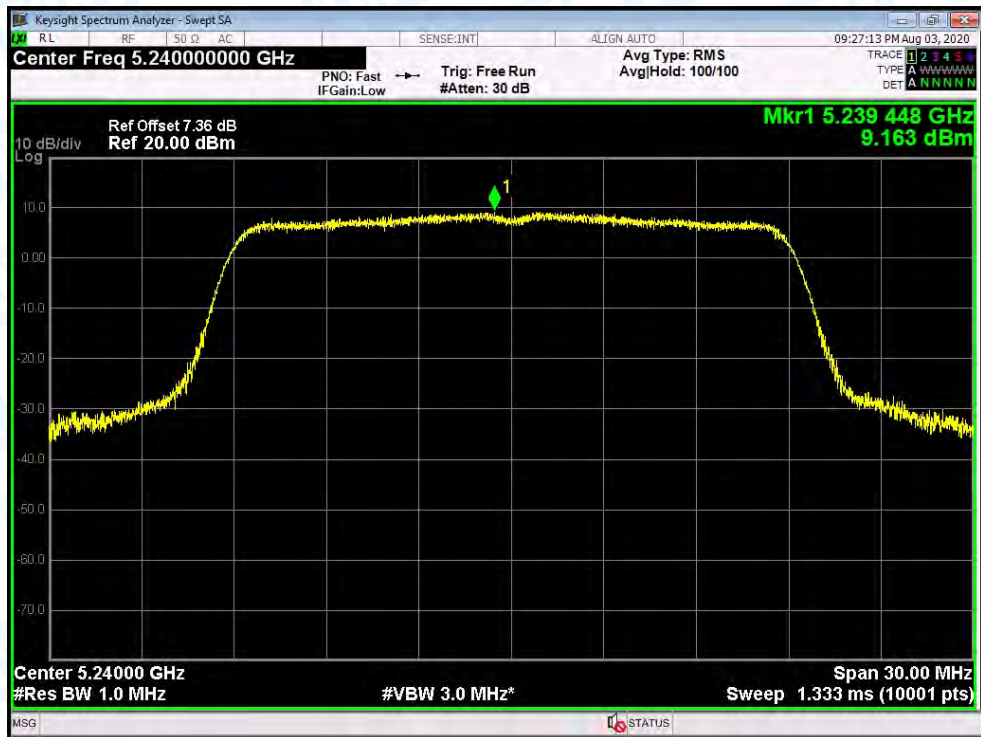
PSD NVNT ac(VHT20) 5200MHz Ant.0



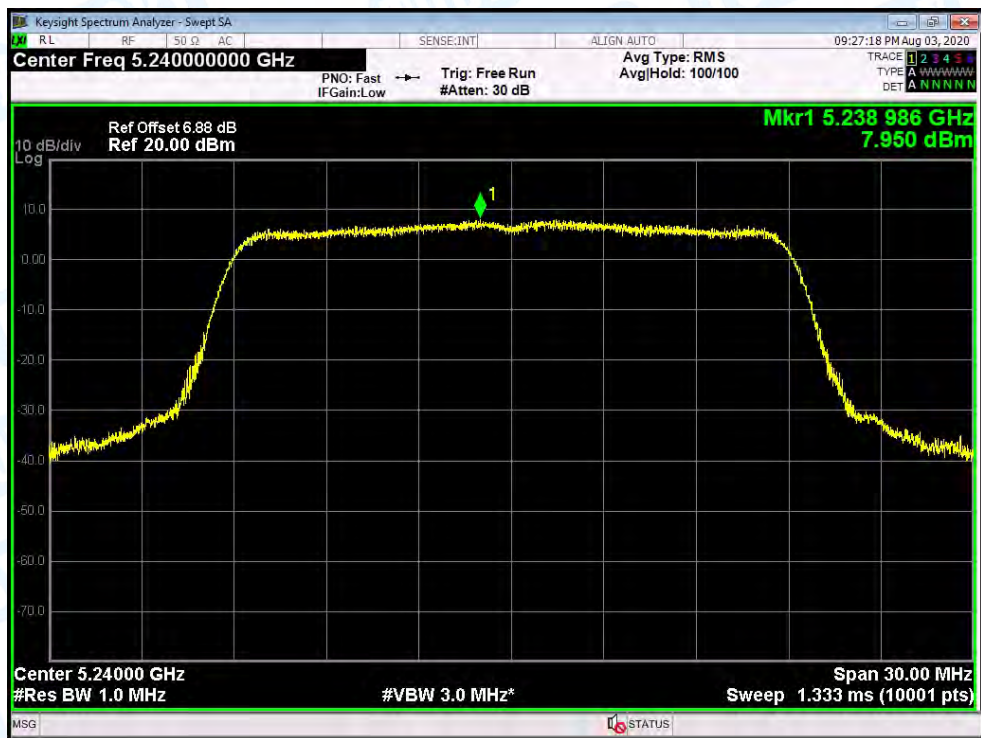
PSD NVNT ac(VHT20) 5200MHz Ant.1



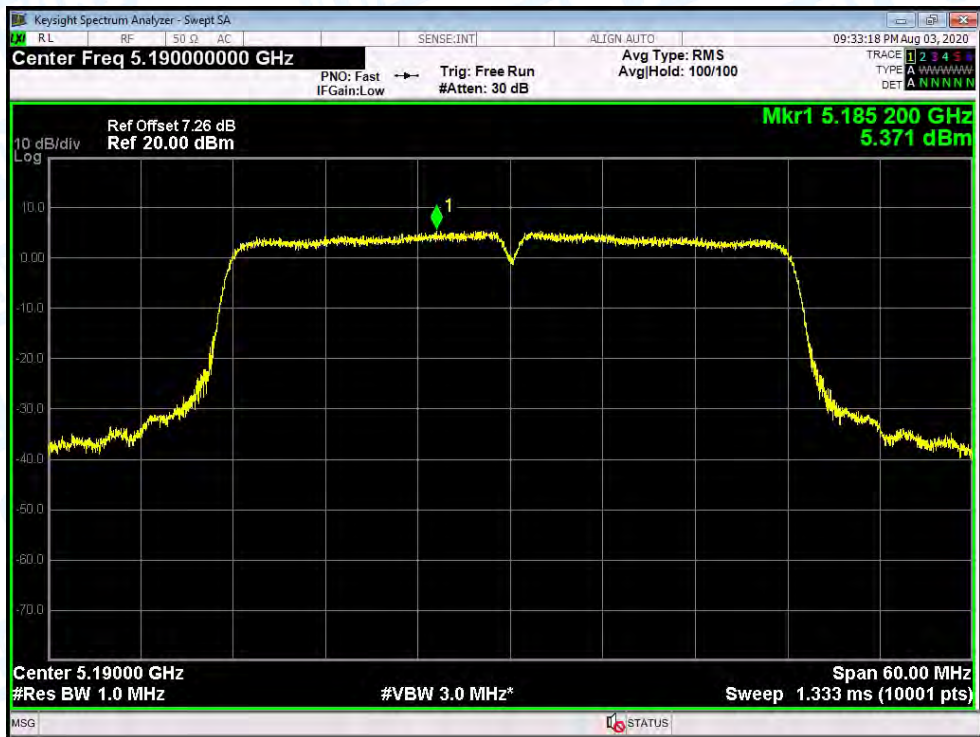
PSD NVNT ac(VHT20) 5240MHz Ant.0



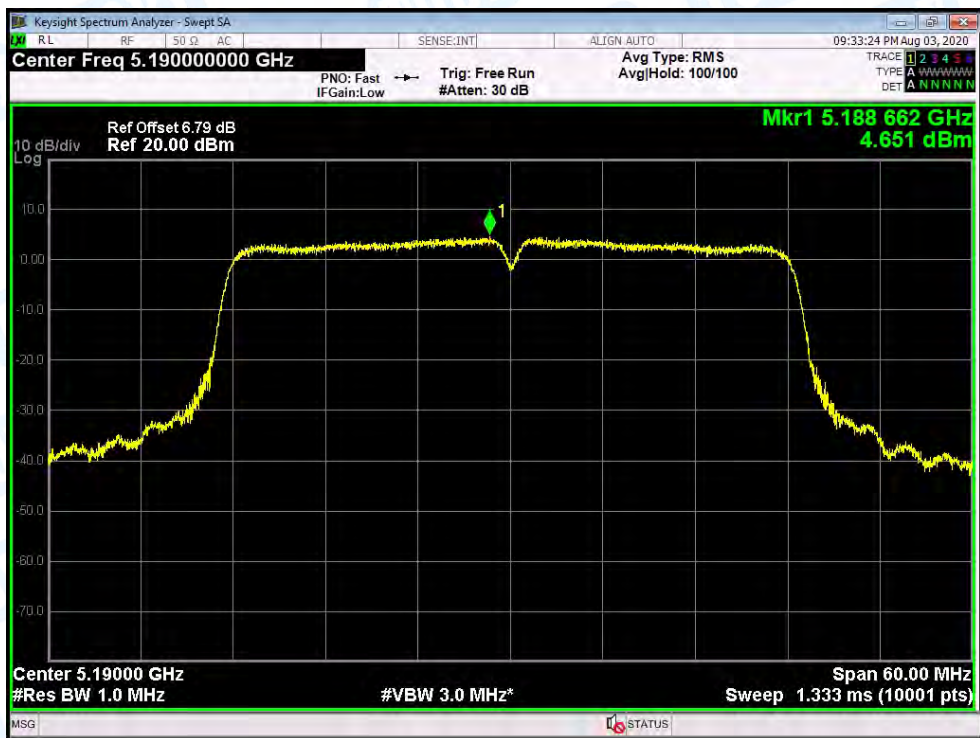
PSD NVNT ac(VHT20) 5240MHz Ant.1



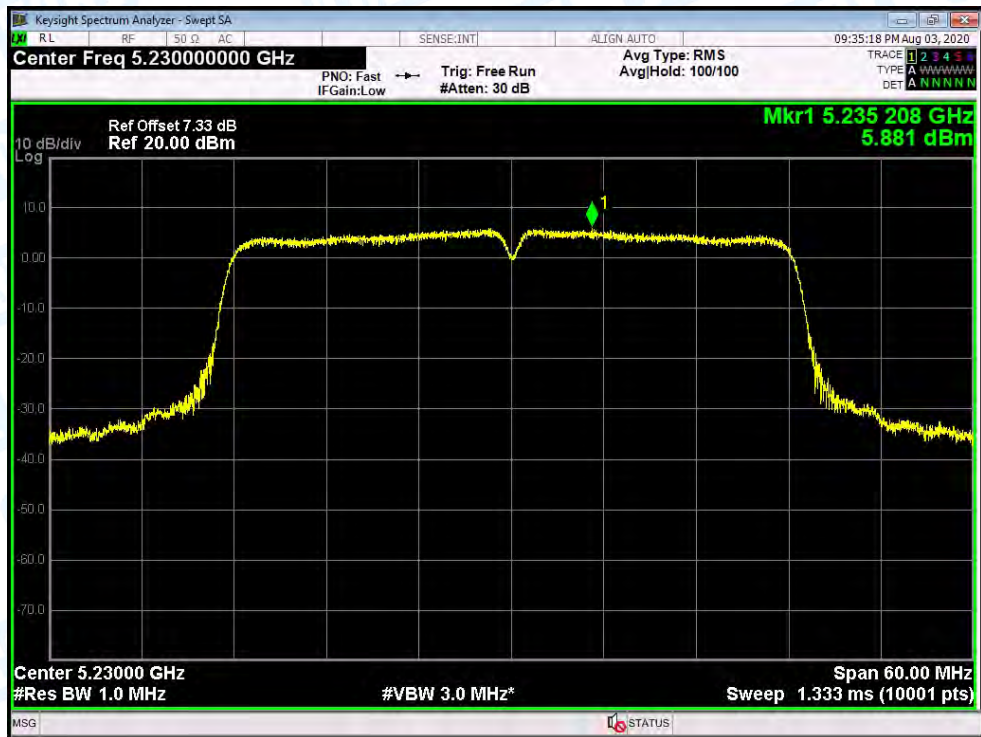
PSD NVNT n(HT40) 5190MHz Ant.0



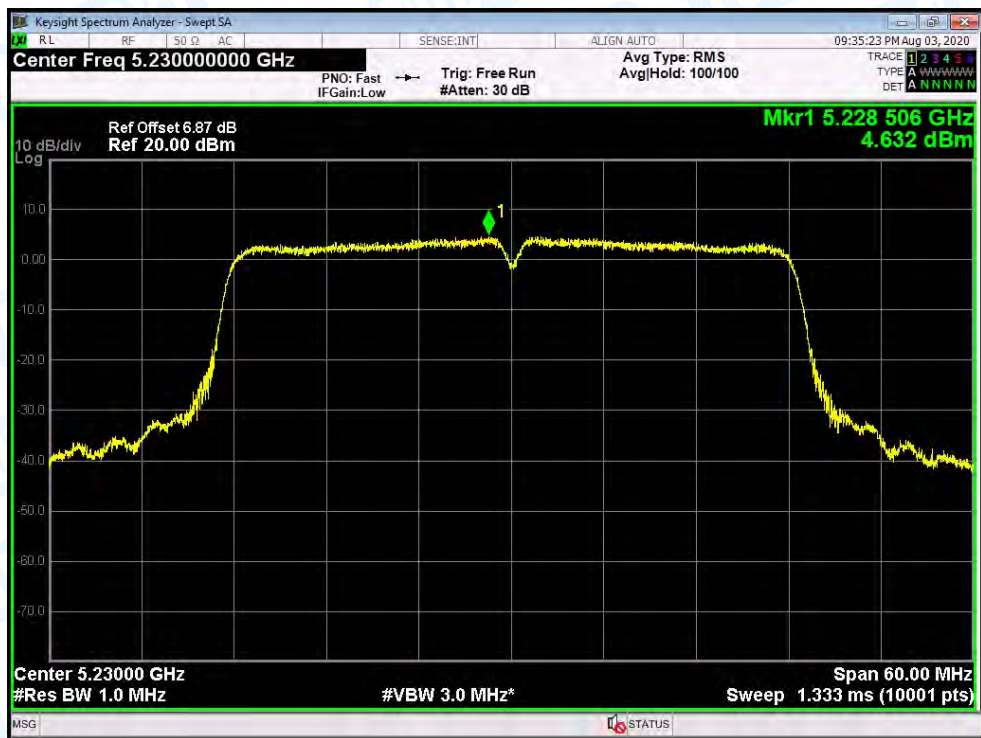
PSD NVNT n(HT40) 5190MHz Ant.1



PSD NVNT n(HT40) 5230MHz Ant.0



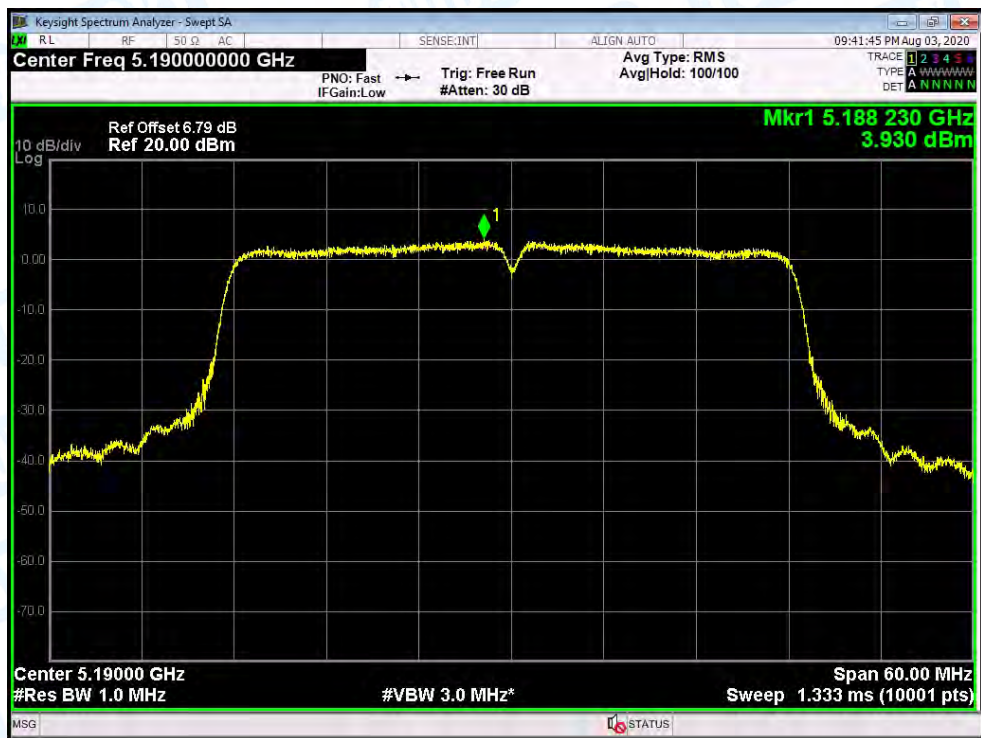
PSD NVNT n(HT40) 5230MHz Ant.1



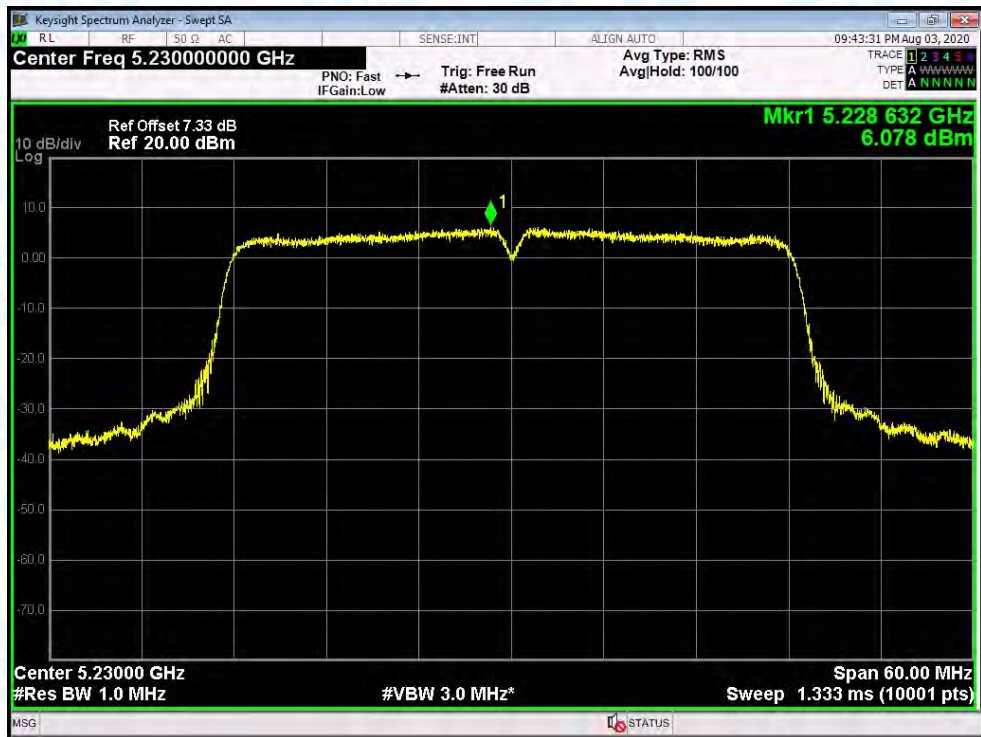
PSD NVNT ac(VHT40) 5190MHz Ant.0



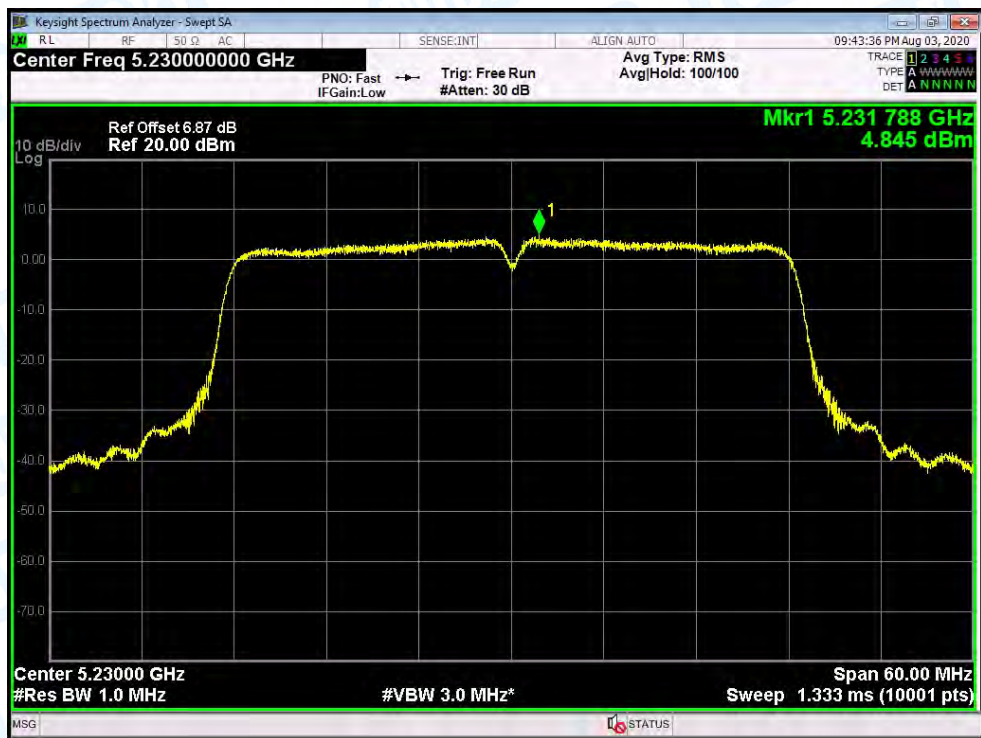
PSD NVNT ac(VHT40) 5190MHz Ant.1



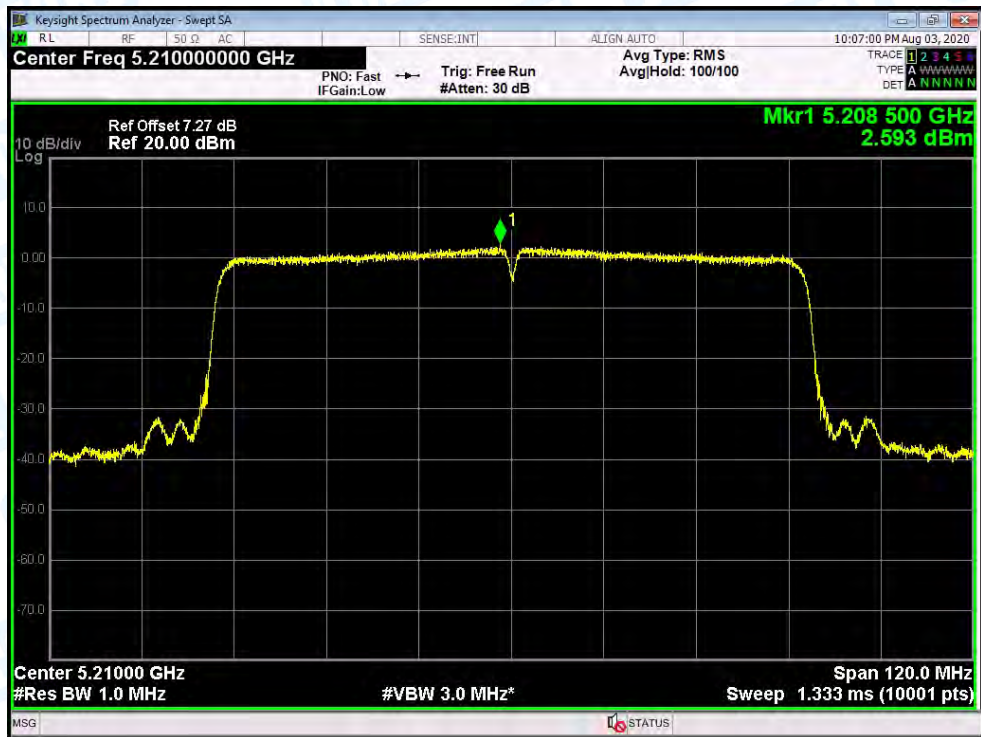
PSD NVNT ac(VHT40) 5230MHz Ant.0



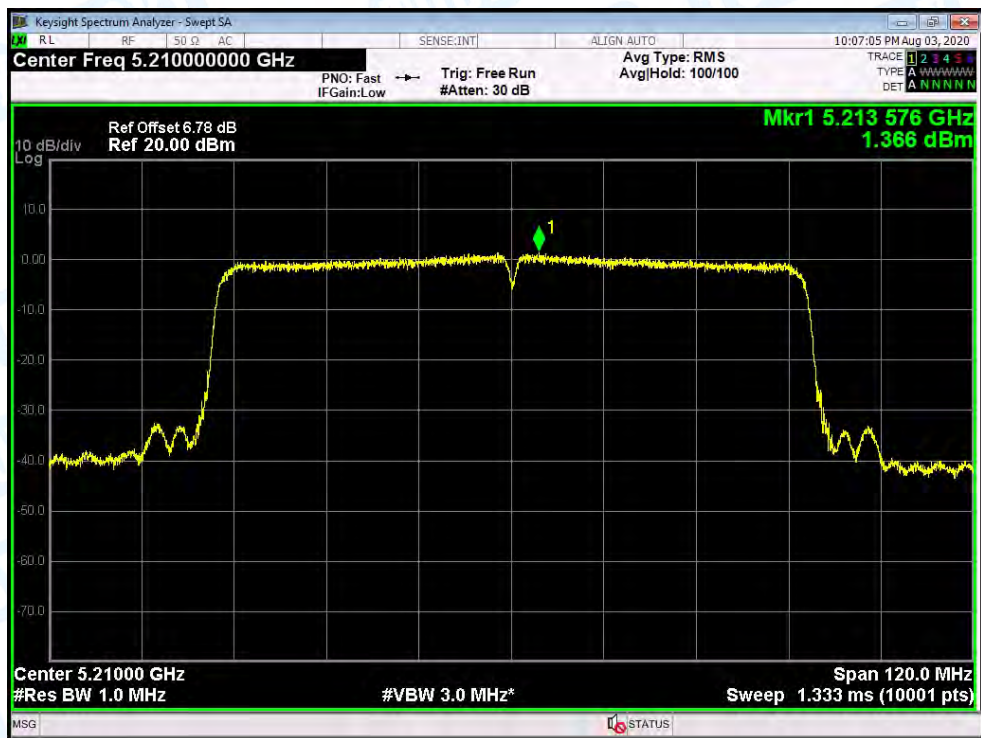
PSD NVNT ac(VHT40) 5230MHz Ant.1



PSD NVNT ac(VHT80) 5210MHz Ant.0

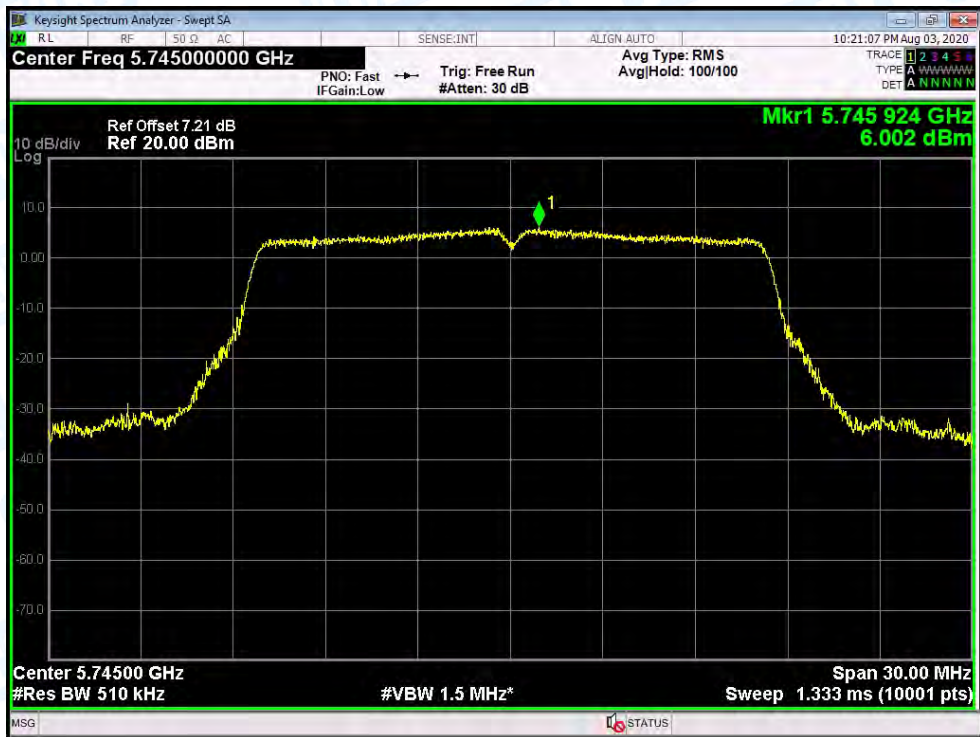


PSD NVNT ac(VHT80) 5210MHz Ant. 1

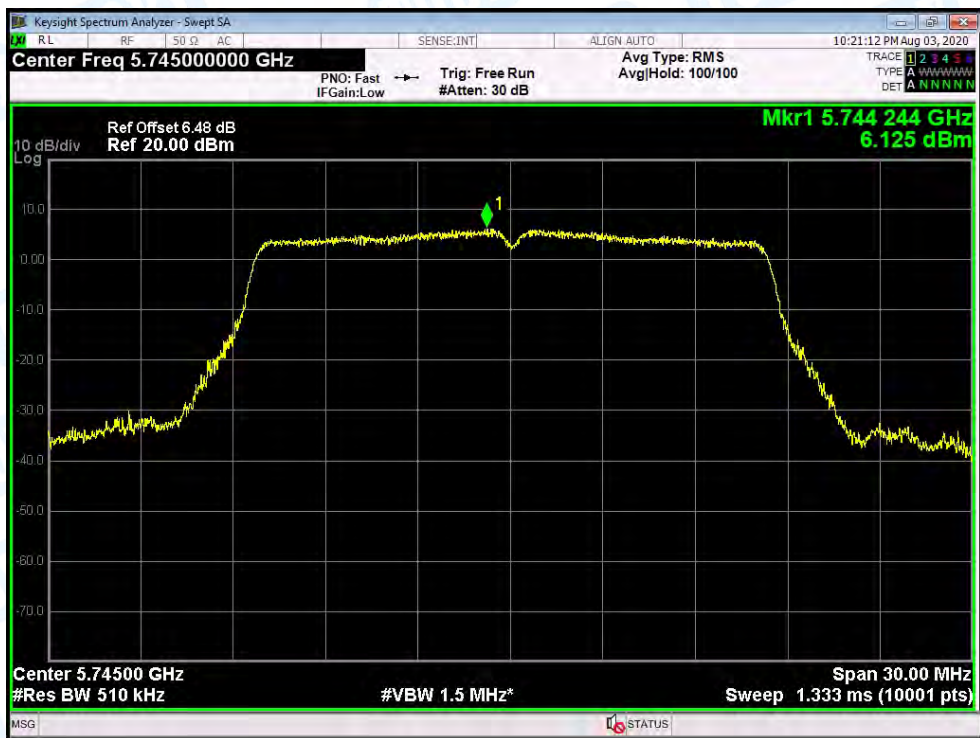


Temperature:	25 °C	Relative Humidity:	55%			
Test Voltage:	AC 120V/60Hz					
U-NII-3						
Test Mode	Frequency (MHz)	Power Density				Limit (dBm/500KHz)
		ANT. 0 (dBm/500KHz)	ANT. 1 (dBm/500KHz)	Duty Factor (dB)	Total PSD (dBm/500KHz)	
802.11a	5745	6.002	6.125	0	9.074	29.99
	5785	5.325	6.327	0	8.865	
	5825	5.341	5.060	0	8.213	
802.11n (HT20)	5745	5.959	6.624	0	9.315	
	5785	5.247	6.170	0	8.743	
	5825	5.387	4.757	0	8.094	
802.11ac (VHT20)	5745	5.630	6.619	0	9.163	
	5785	4.863	5.146	0	8.017	
	5825	4.415	4.662	0	7.551	
802.11n (HT40)	5755	2.980	2.634	0	5.821	
	5795	2.074	2.357	0	5.228	
802.11ac(VHT40)	5755	2.552	2.614	0	5.593	
	5795	2.327	2.537	0	5.444	
802.11ac(VHT80)	5775	-0.284	0.034	0	2.888	
Result: PASS						
<p>Remark: The EUT incorporates a MIMO function. Physically, the EUT provides two antennas for transmitting and receiving.</p> <p>When ANT. 0 and ANT. 1 transmitting simultaneously, so the Directional Gain= Gain_{ANT}+10log(N)dBi =6.01dBi>6dBi.</p> <p>So PSD_{out} = PSD_{limit}-(G_{TX}-6)]=(30-0.01)dBm/500KHz=29.99dBm/500KHz</p>						

PSD NVNT a 5745MHz Ant.0



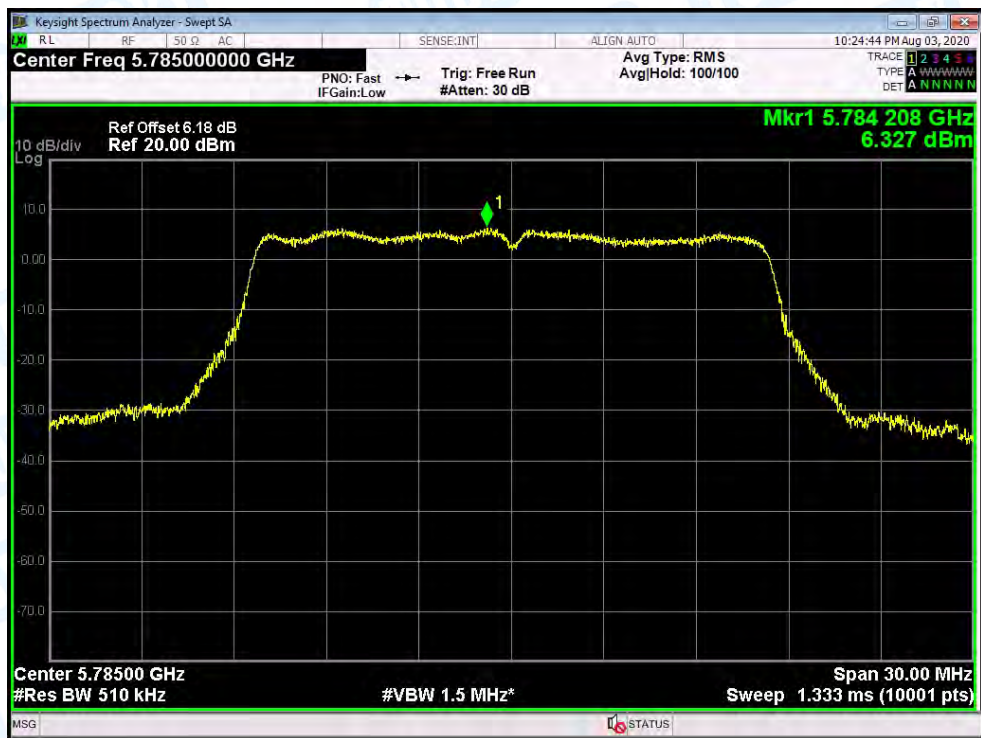
PSD NVNT a 5745MHz Ant.1



PSD NVNT a 5785MHz Ant.0



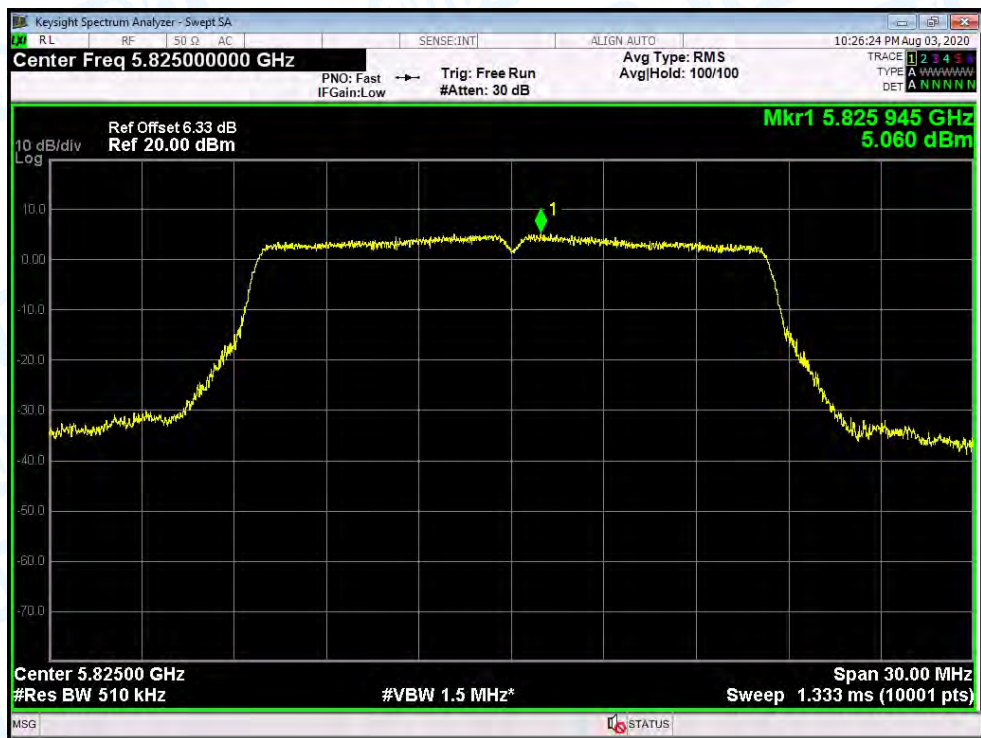
PSD NVNT a 5785MHz Ant.1



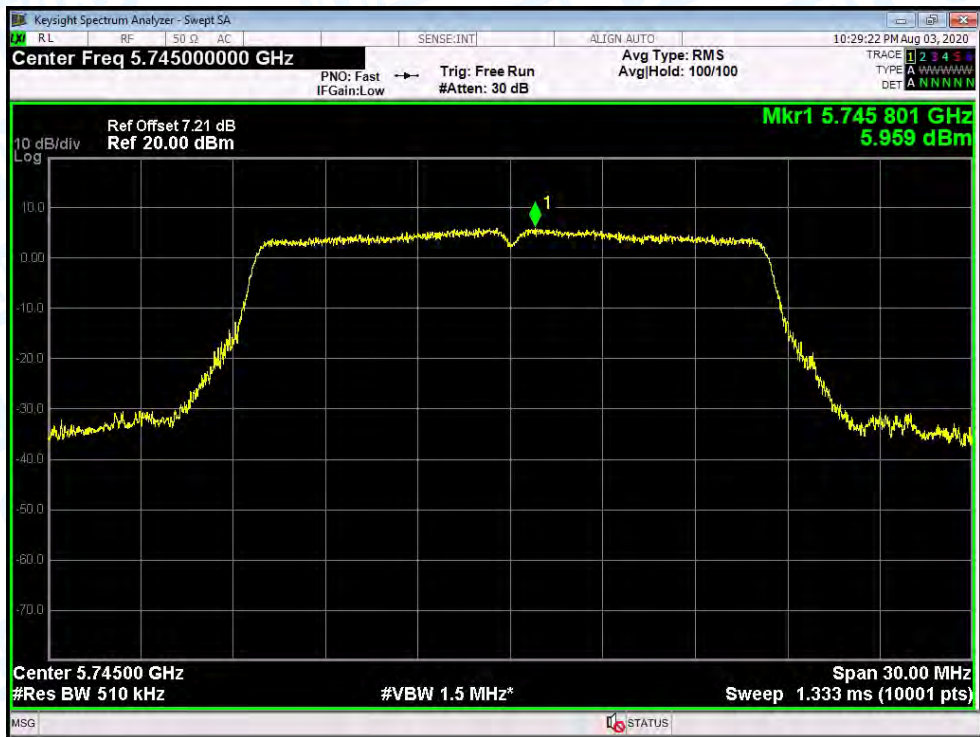
PSD NVNT a 5825MHz Ant.0



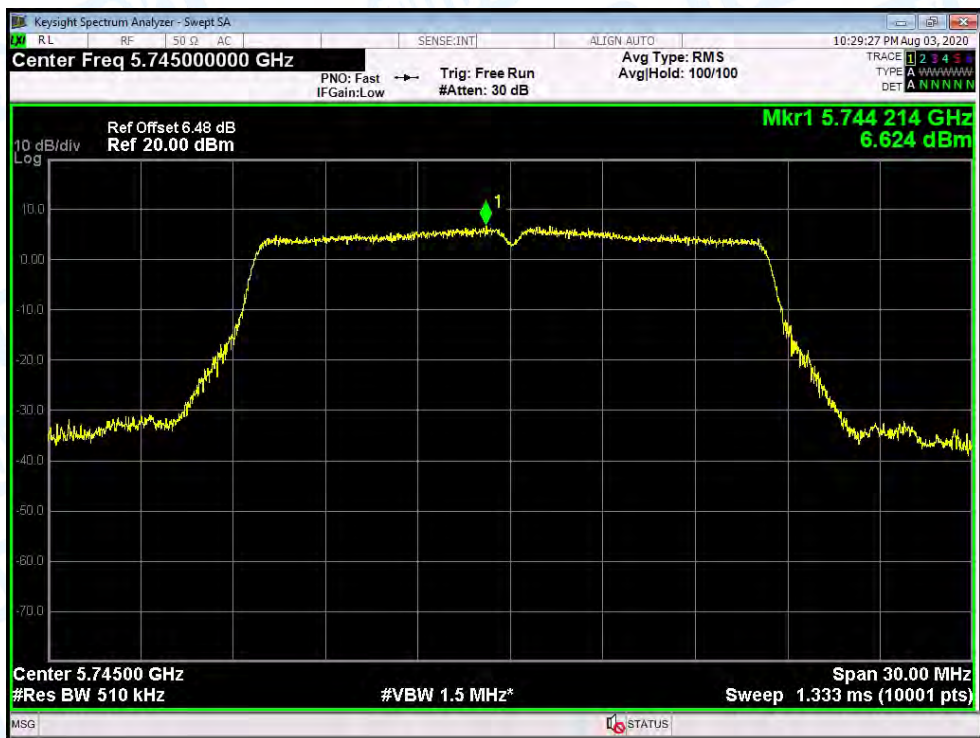
PSD NVNT a 5825MHz Ant.1



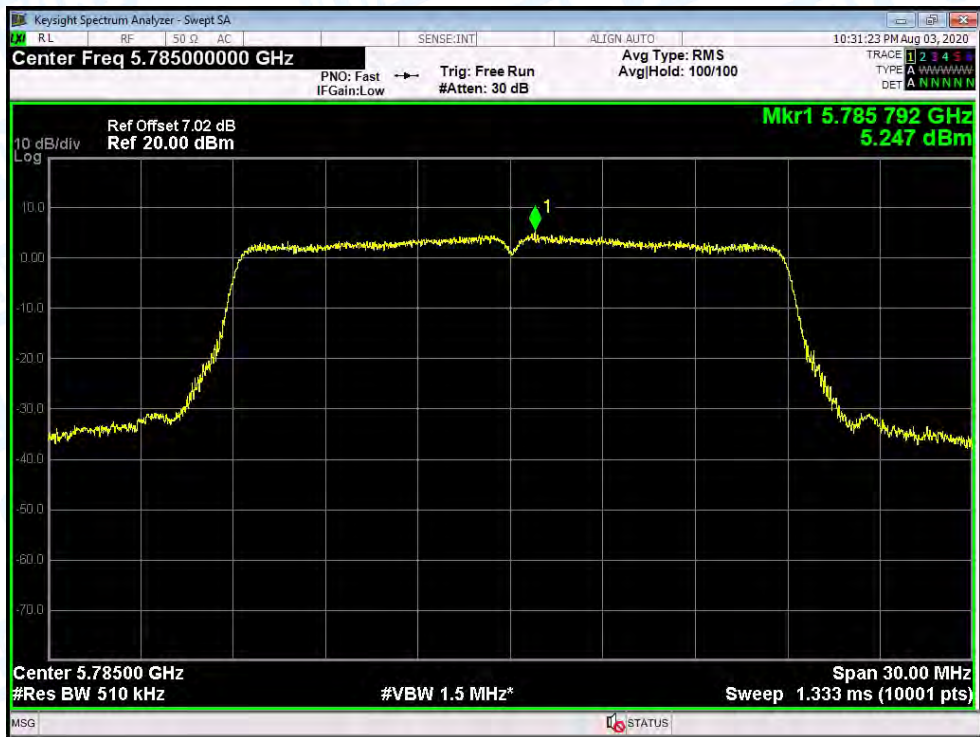
PSD NVNT n(HT20) 5745MHz Ant.0



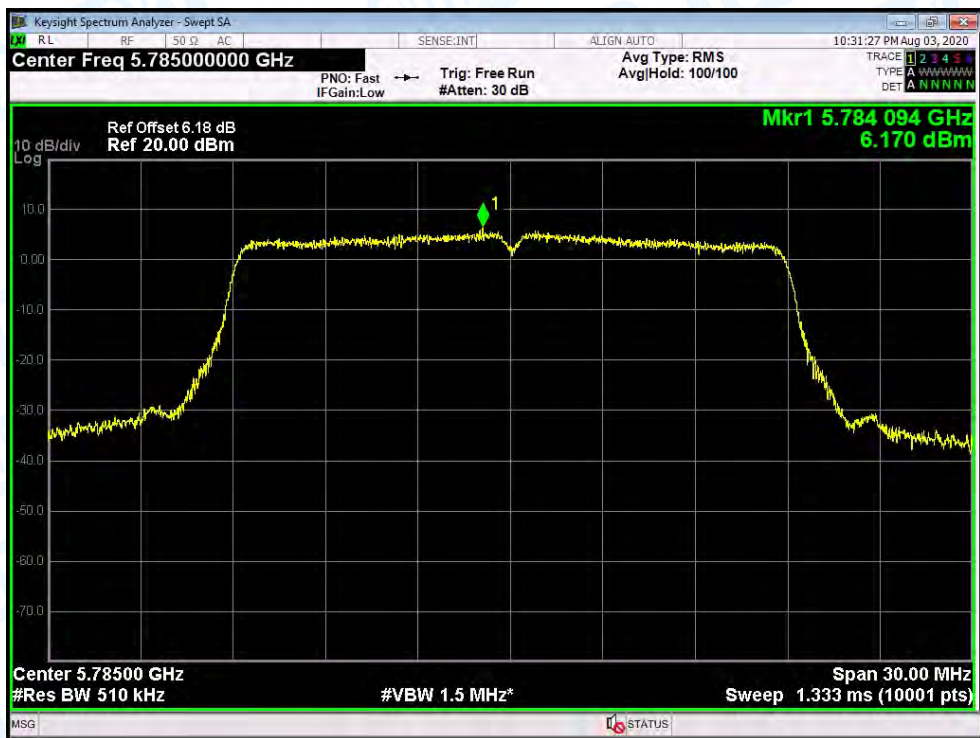
PSD NVNT n(HT20) 5745MHz Ant.1



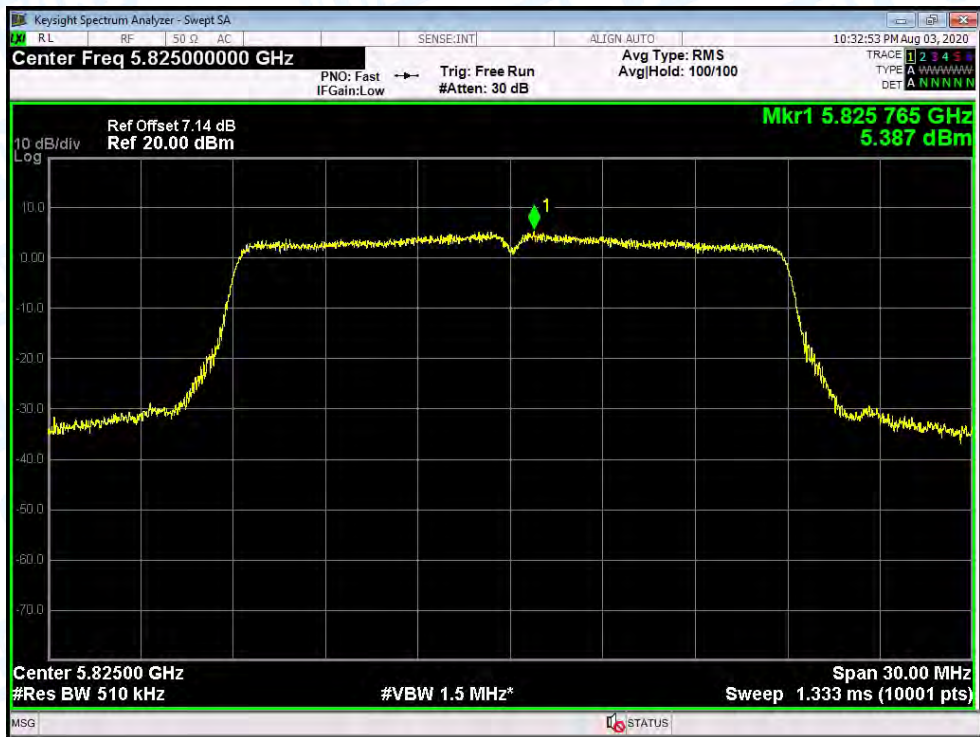
PSD NVNT n(HT20) 5785MHz Ant.0



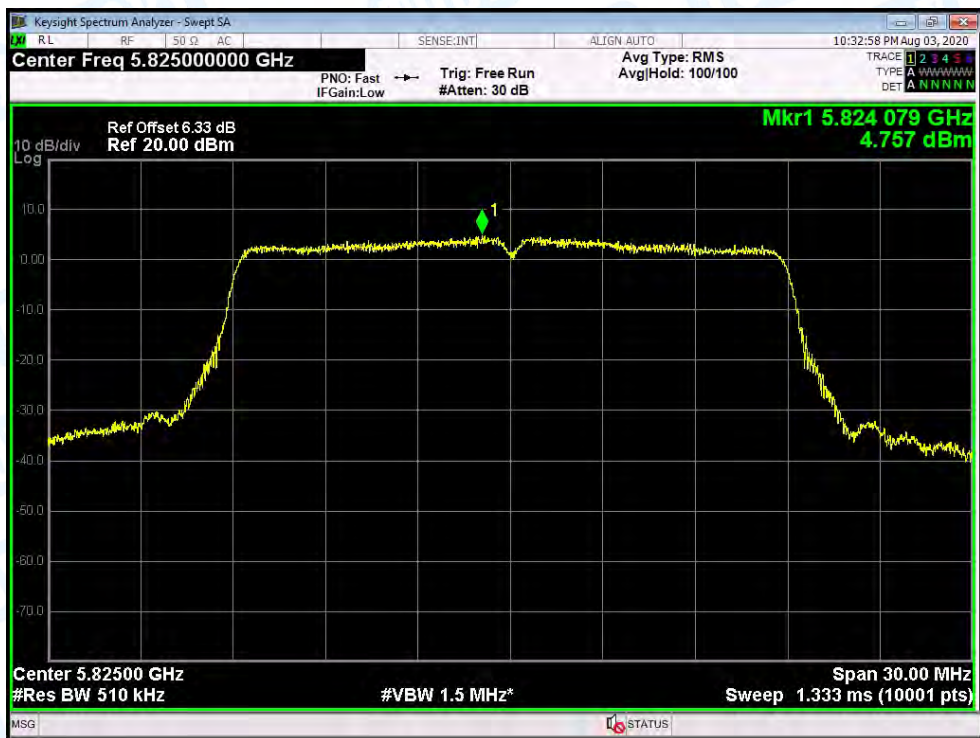
PSD NVNT n(HT20) 5785MHz Ant.1



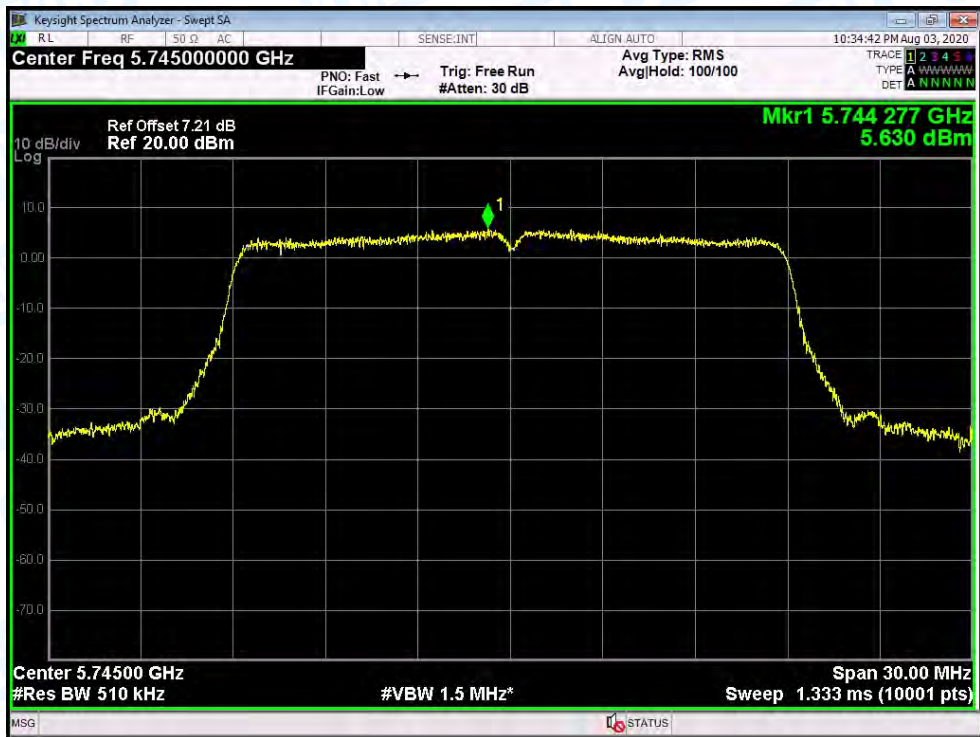
PSD NVNT n(HT20) 5825MHz Ant.0



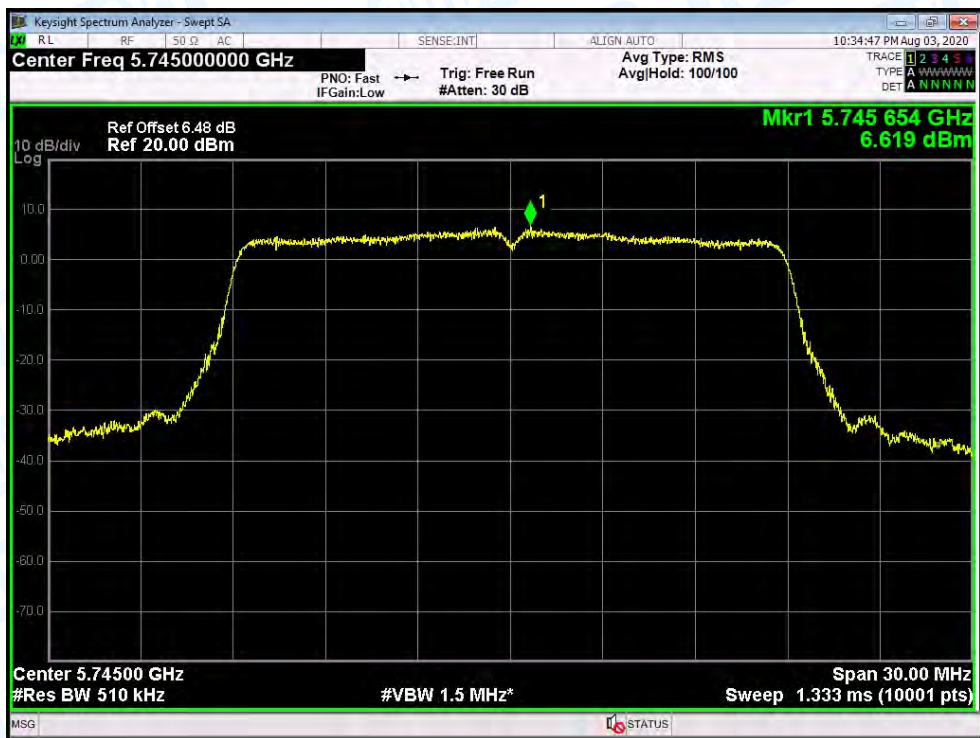
PSD NVNT n(HT20) 5825MHz Ant.1



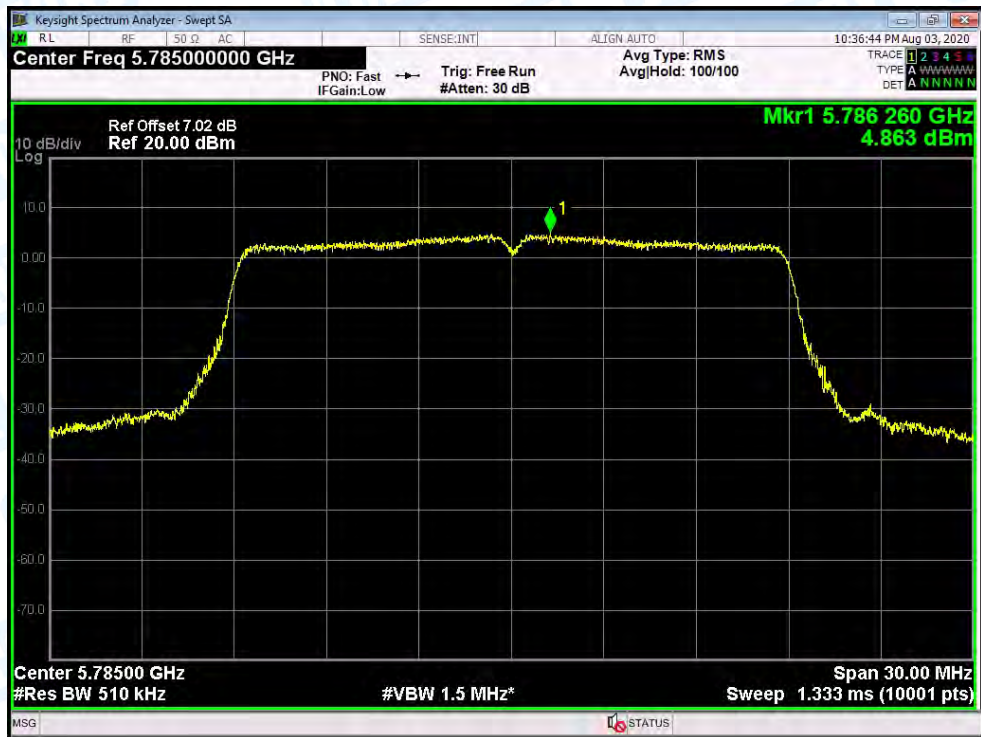
PSD NVNT ac(VHT20) 5745MHz Ant.0



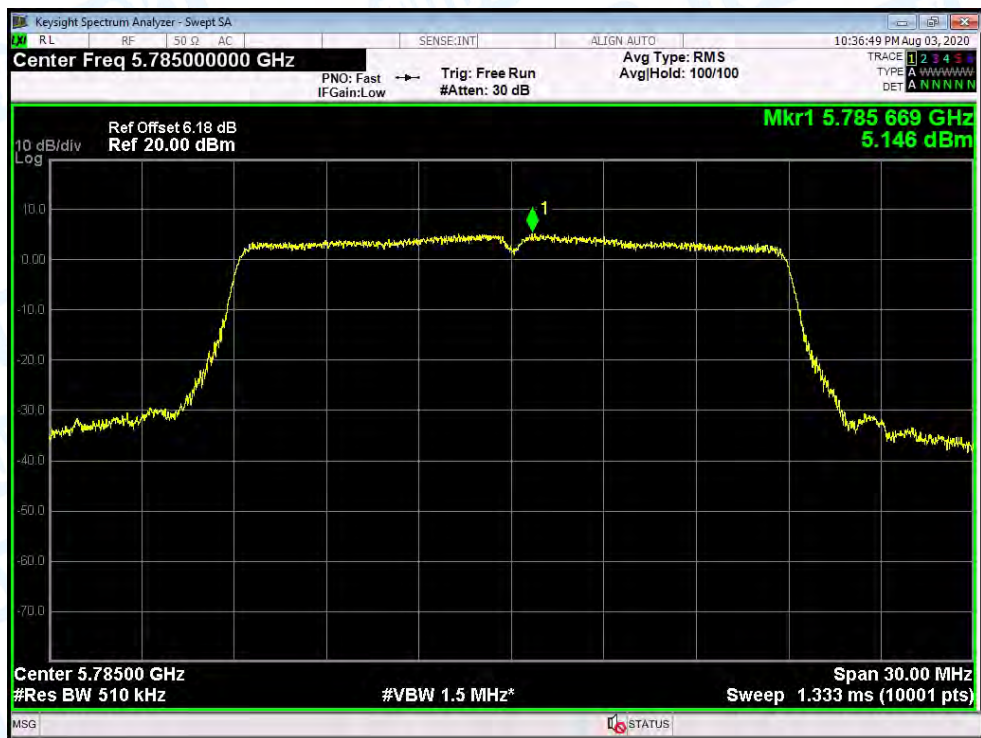
PSD NVNT ac(VHT20) 5745MHz Ant.1



PSD NVNT ac(VHT20) 5785MHz Ant.0



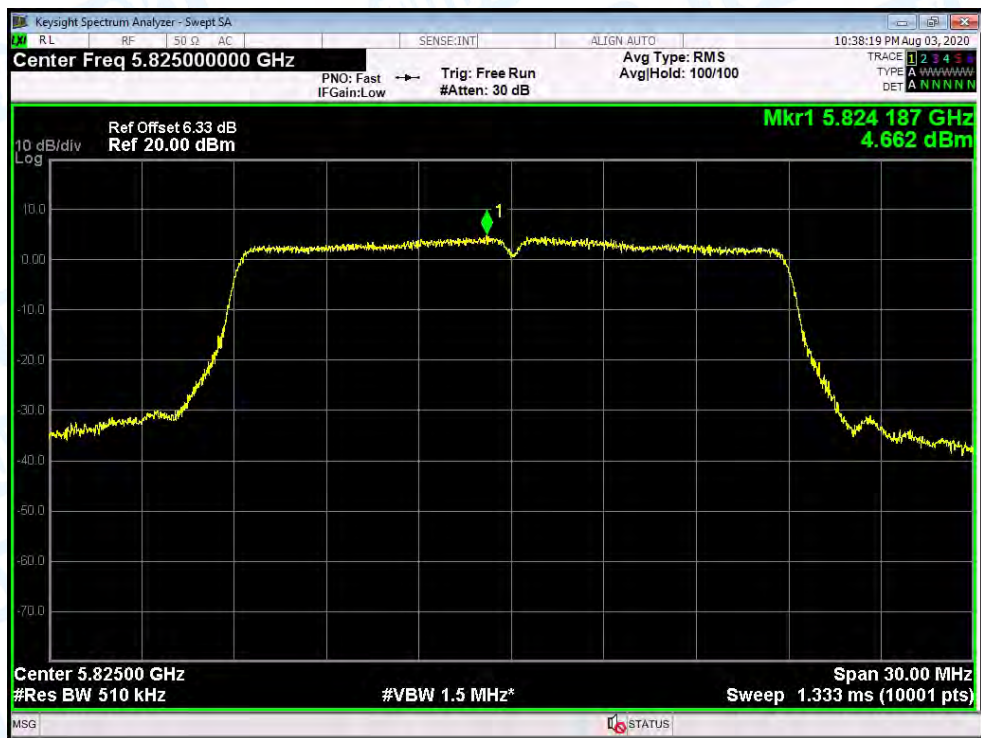
PSD NVNT ac(VHT20) 5785MHz Ant.1



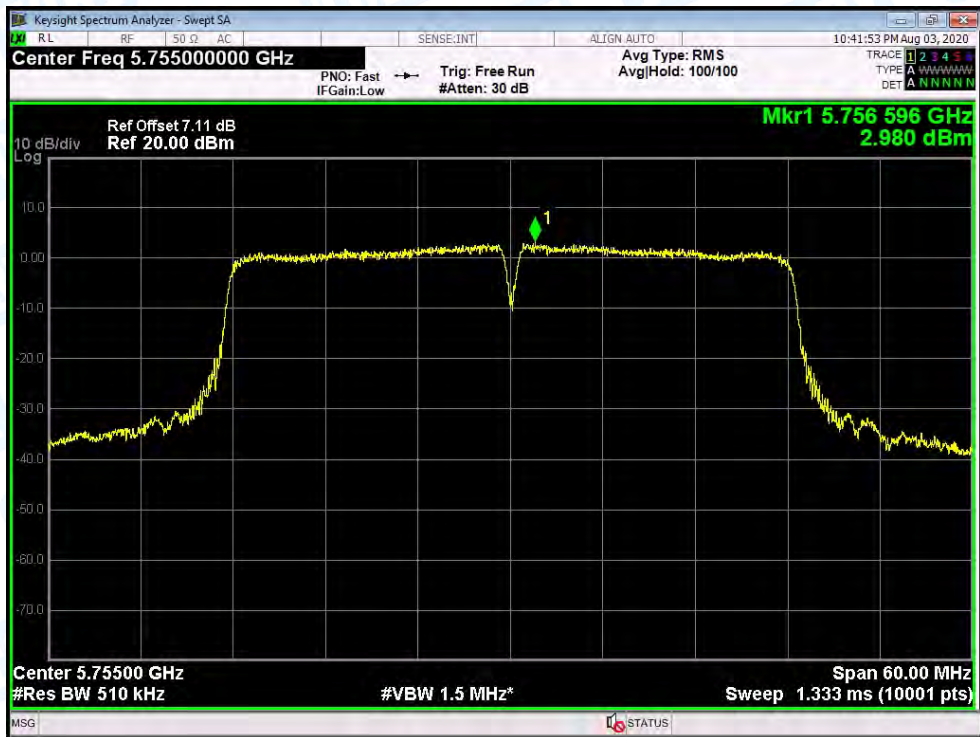
PSD NVNT ac(VHT20) 5825MHz Ant.0



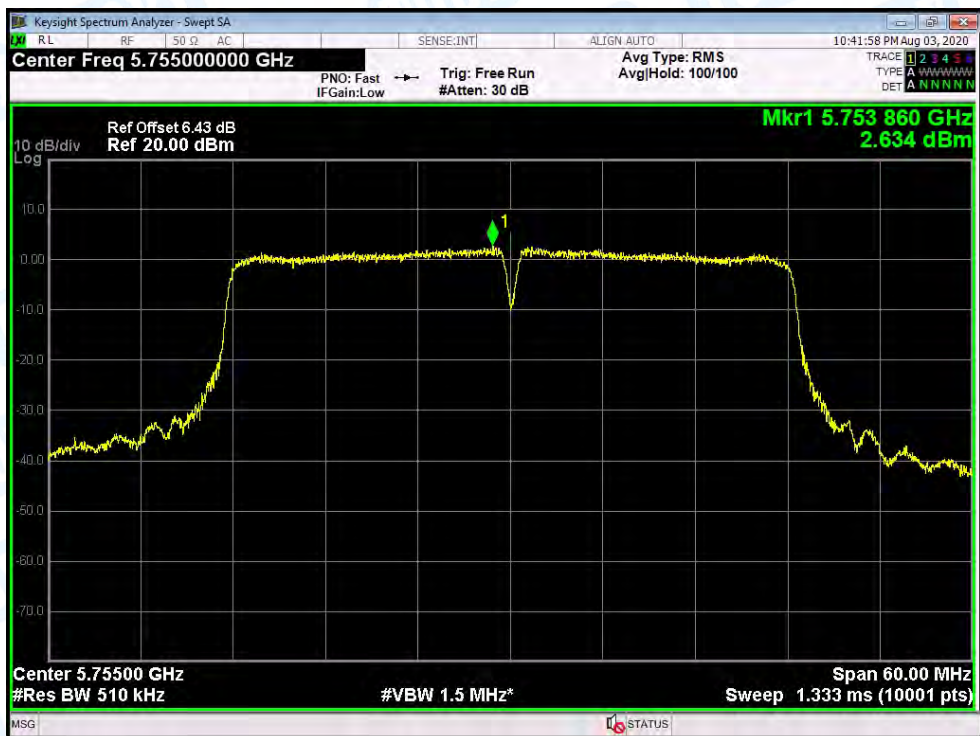
PSD NVNT ac(VHT20) 5825MHz Ant.1



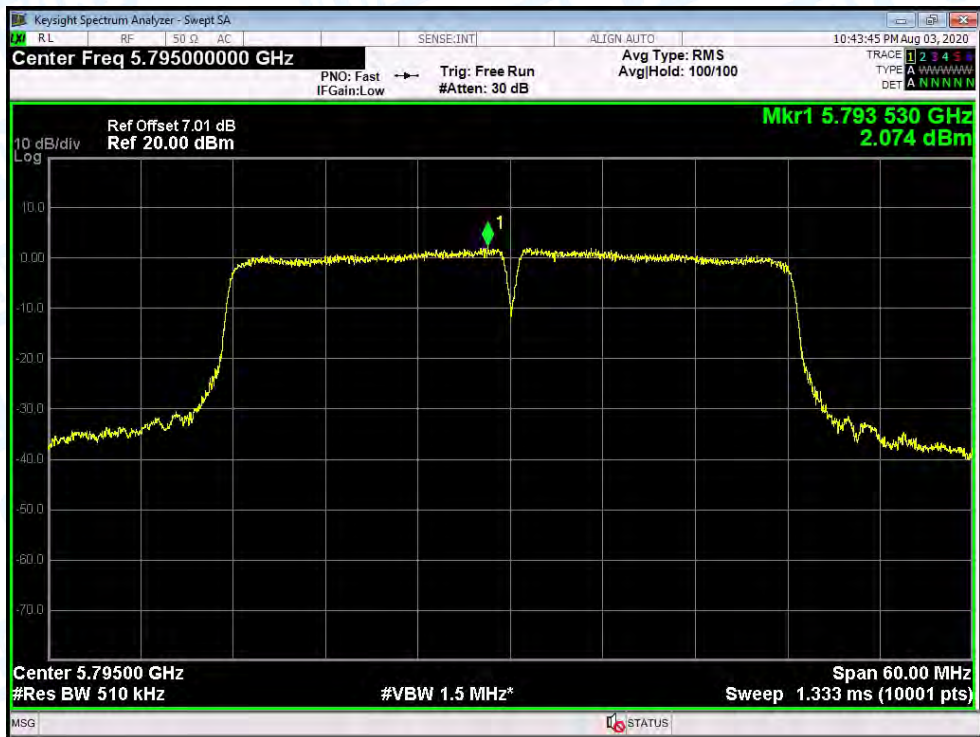
PSD NVNT n(HT40) 5755MHz Ant.0



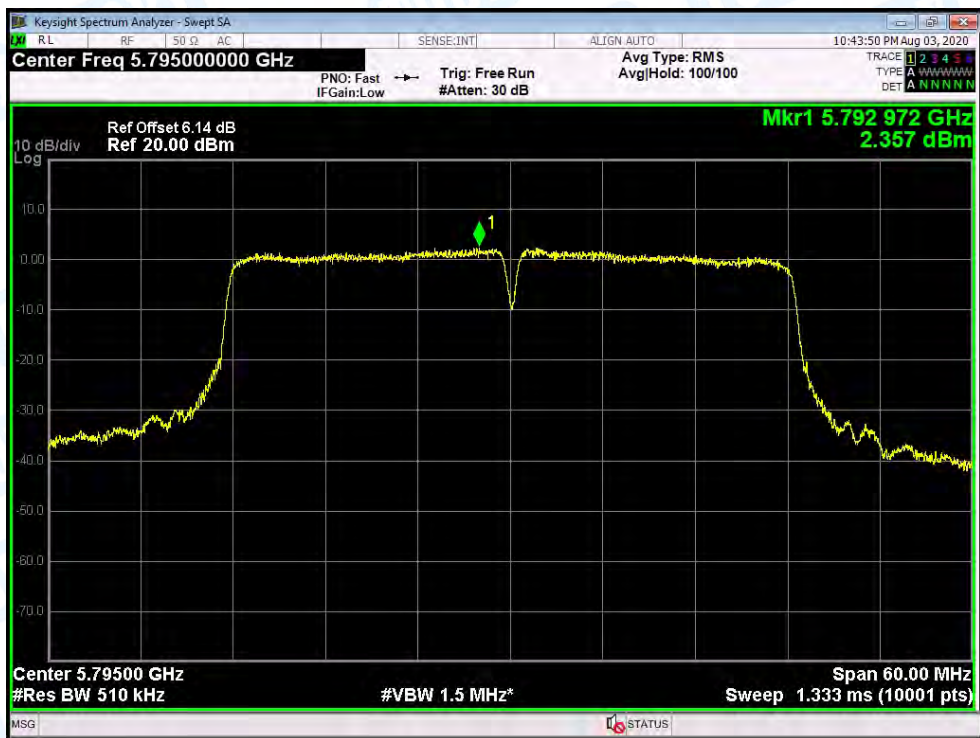
PSD NVNT n(HT40) 5755MHz Ant.1



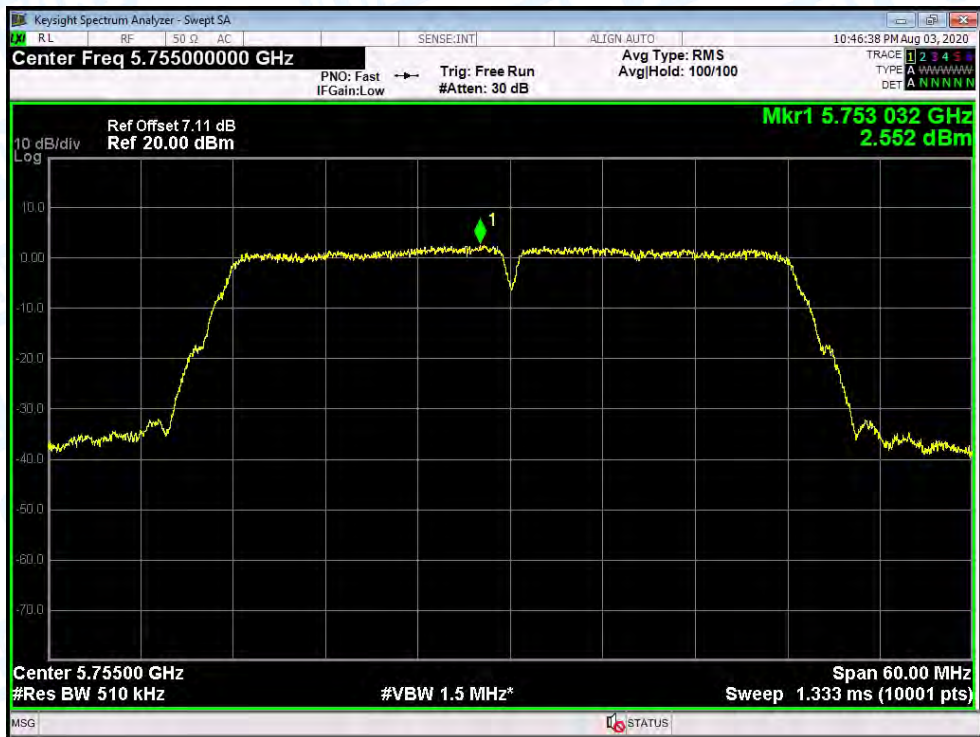
PSD NVNT n(HT40) 5795MHz Ant.0



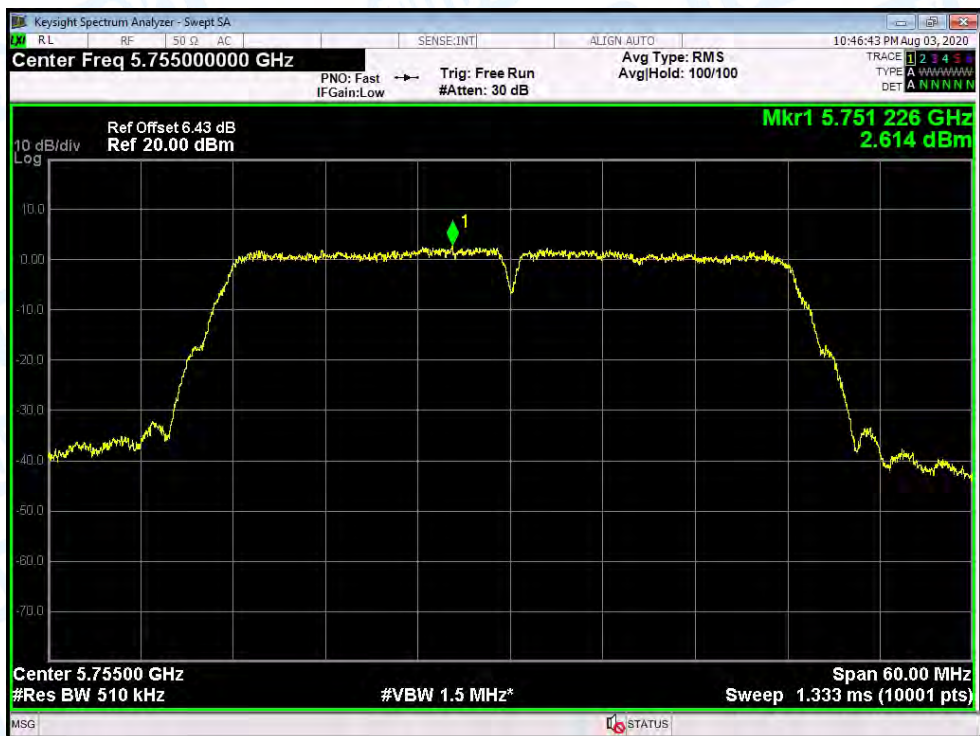
PSD NVNT n(HT40) 5795MHz Ant.1



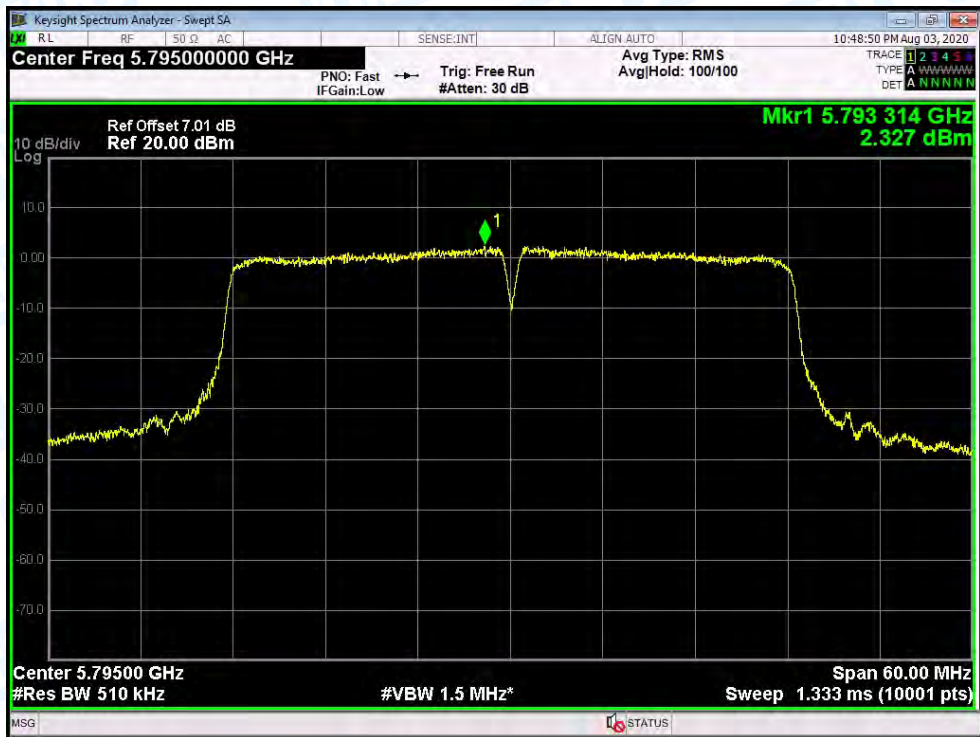
PSD NVNT ac(VHT40) 5755MHz Ant.0



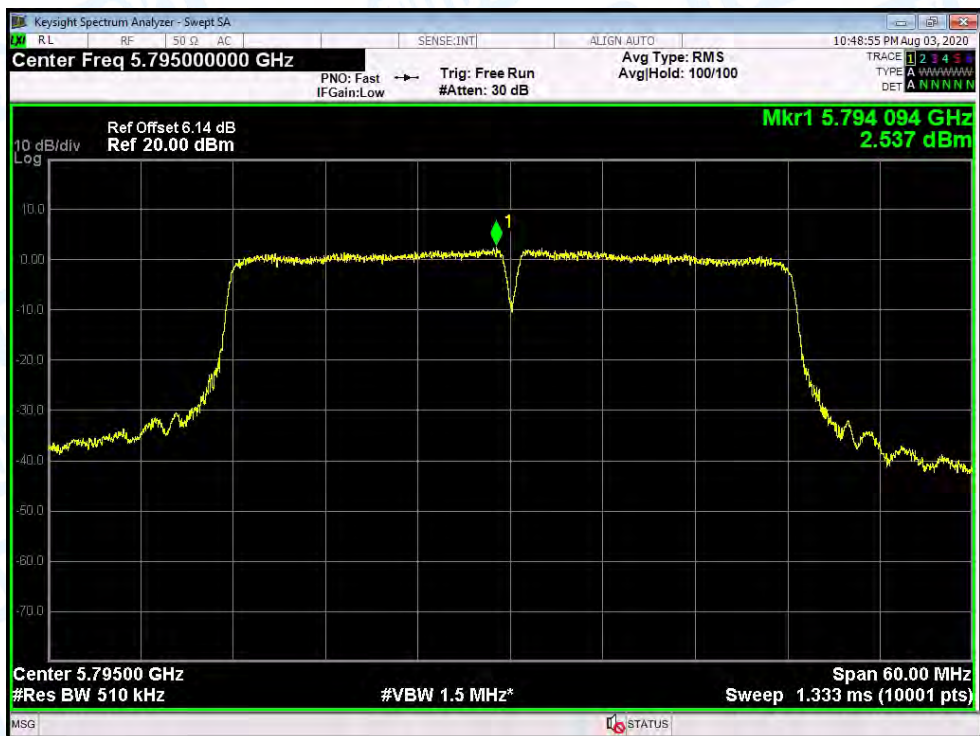
PSD NVNT ac(VHT40) 5755MHz Ant.1



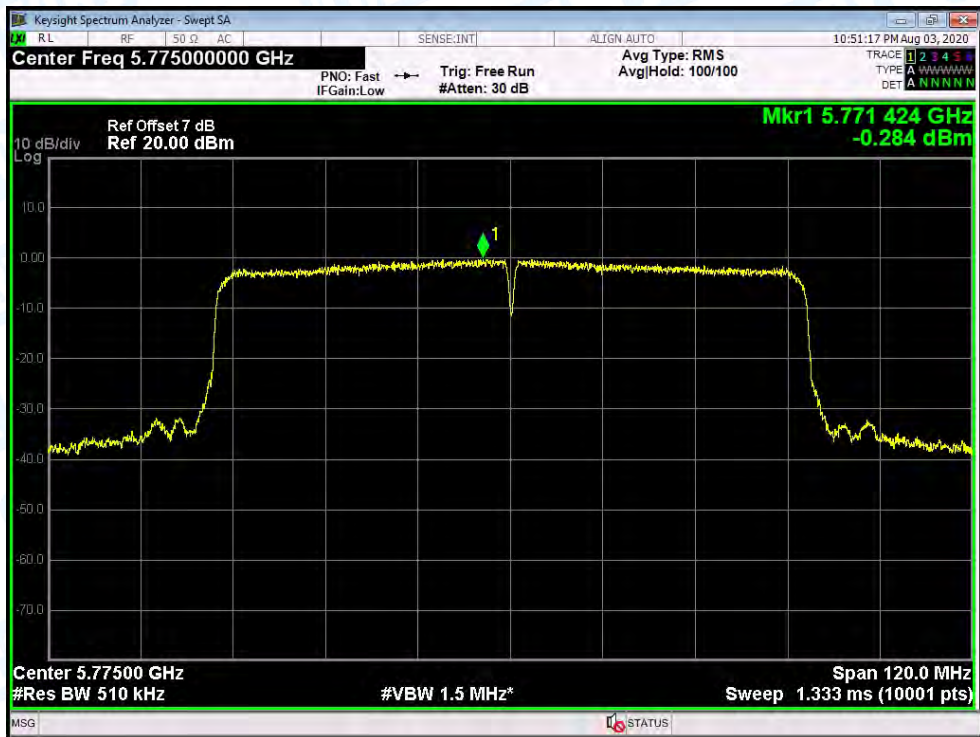
PSD NVNT ac(VHT40) 5795MHz Ant.0



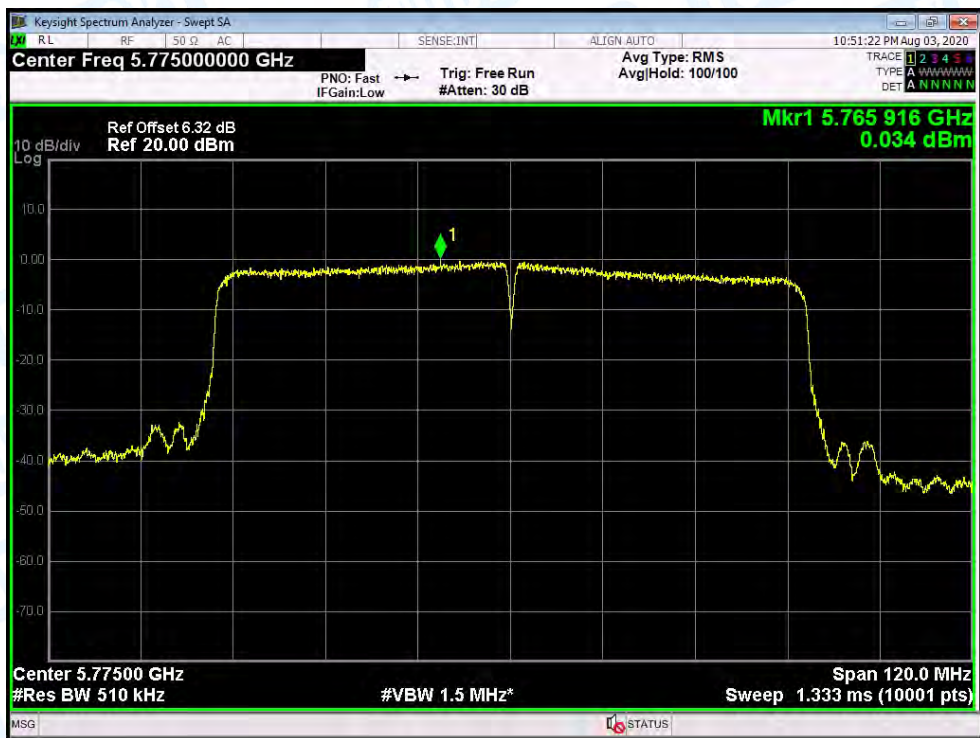
PSD NVNT ac(VHT40) 5795MHz Ant.1



PSD NVNT ac(VHT80) 5775MHz Ant.0



PSD NVNT ac(VHT80) 5775MHz Ant.1



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	5180.0600
120	5180.0800
118	5180.0400
Limit Range (MHz)	5150-5250
Result	PASS
Temperature vs. Frequency Stability	
Temperature (°C)	Measurement Frequency (MHz)
0	5180.0052
10	5180.2000
20	5180.0500
30	5180.0400
40	5180.0500
50	5180.0700
Limit Range (MHz)	5150-5250
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	5745.0200
120	5745.0500
118	5744.0400
Limit Range (MHz)	5725-5850
Result	PASS
Temperature vs. Frequency Stability	
Temperature (°C)	Measurement Frequency (MHz)
0	5745.0200
10	5745.0300
20	5745.0400
30	5745.0800
40	5745.0700
50	5745.0600
Limit Range (MHz)	5725-5850
Result	PASS

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