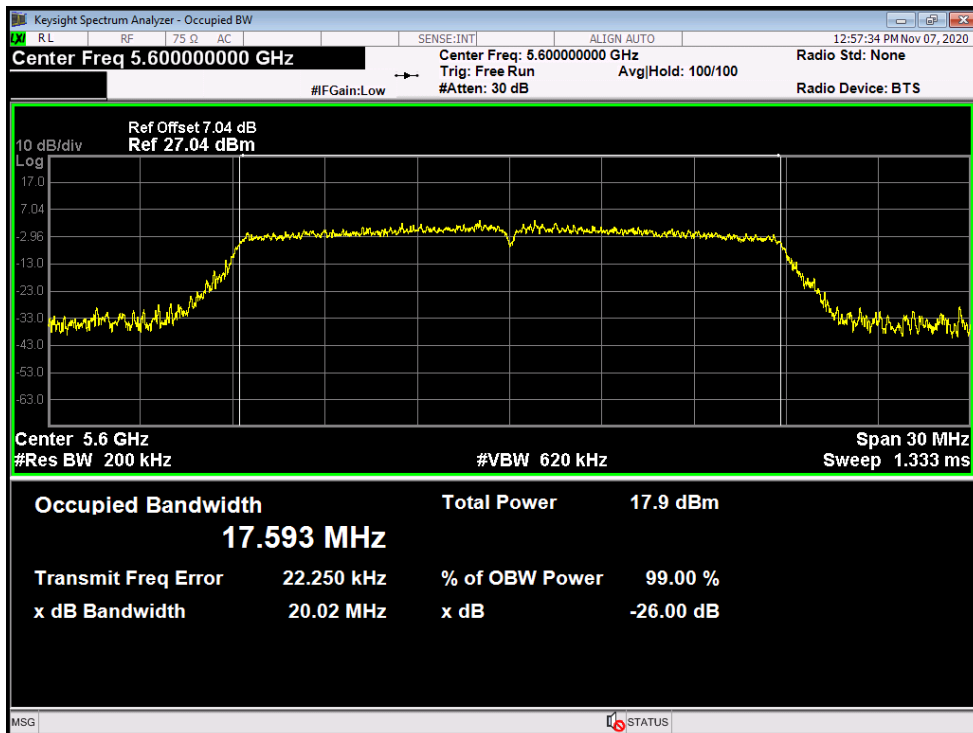


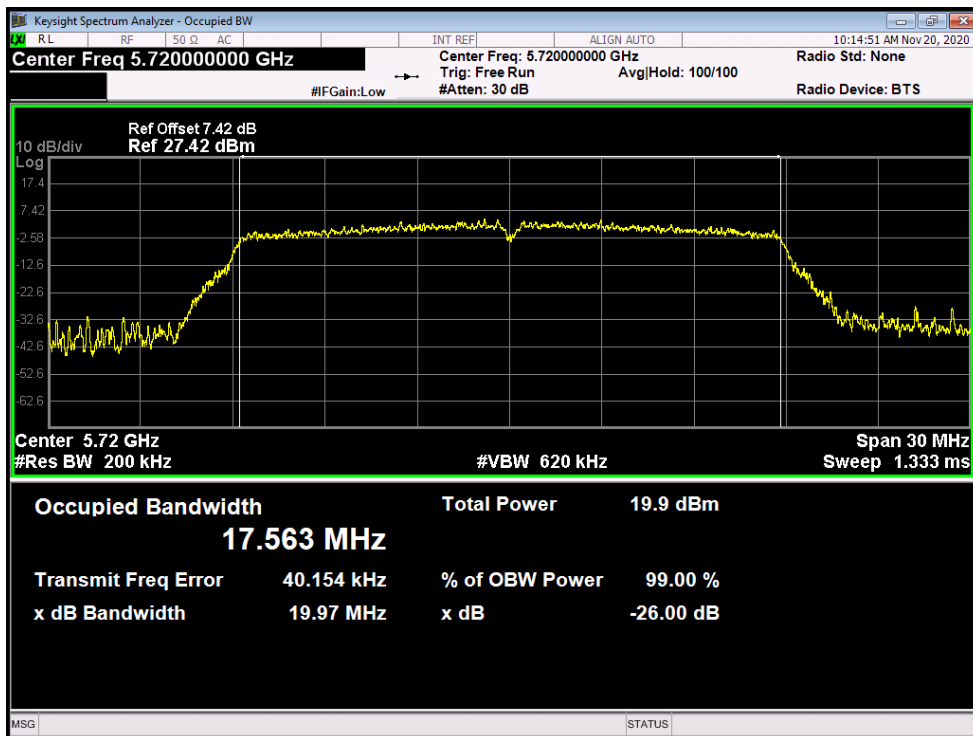
802.11ac(VHT20) Mode

5600 MHz



802.11ac(VHT20) Mode

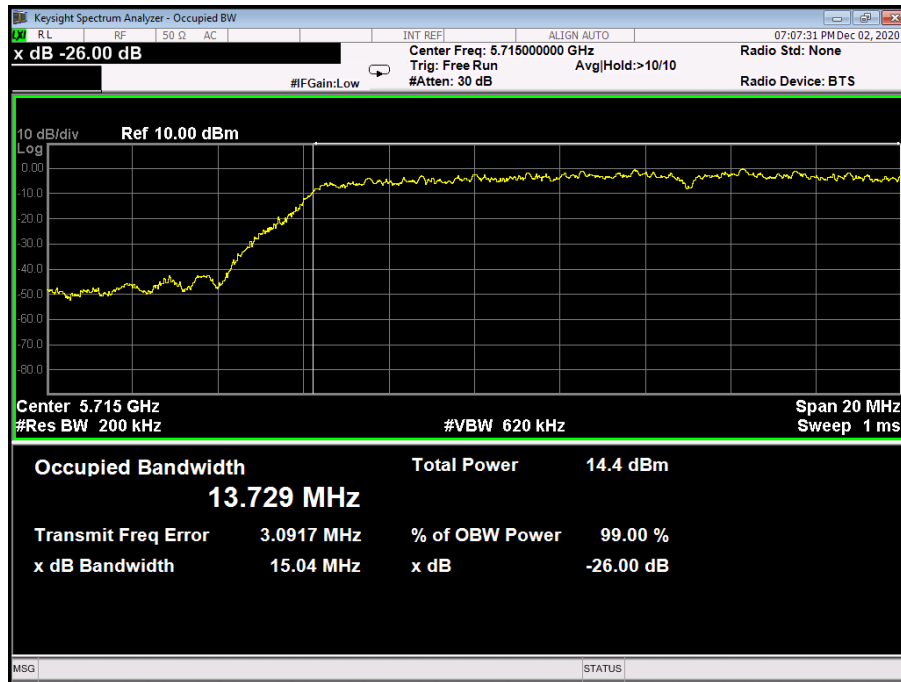
5720 MHz



Temperature:	25 °C	Relative Humidity:	55%	
Test Voltage:	DC 3.8V			
Test Mode:	TX 802.11ac(VHT20) Mode (U-NII-2C)			
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
144	5720	15.04	----	13.729
		----	3.404	4.1793

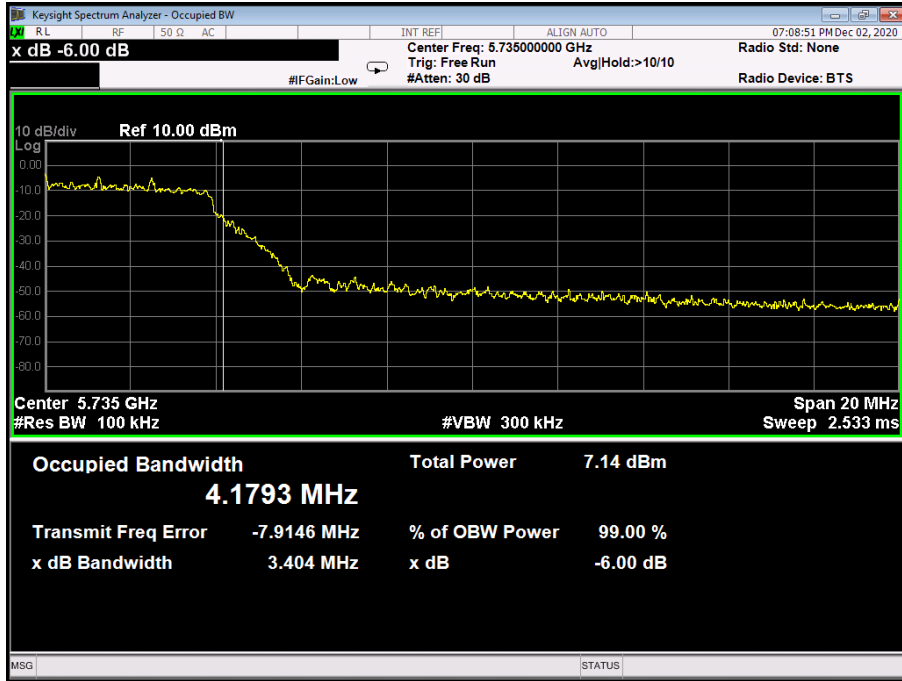
802.11ac(VHT20) Mode

5720 MHz Straddle 5.47-5.725GHz



802.11ac(VHT20) Mode

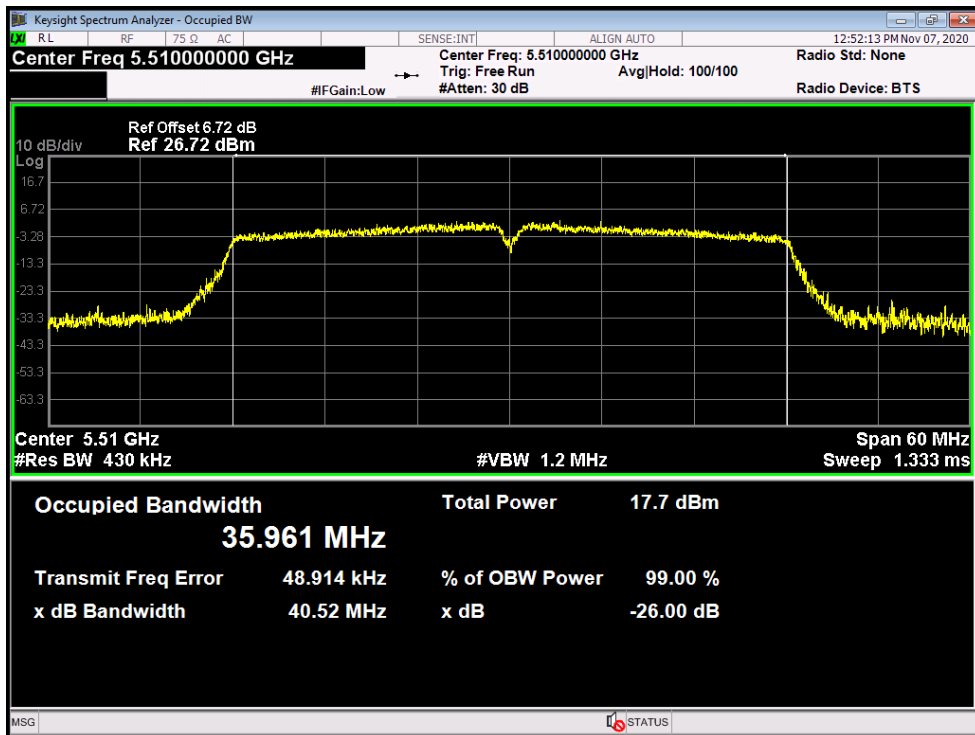
5720 MHz Straddle 5.725-5.85GHz



Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.8V		
Test Mode:	TX 802.11N(HT40) Mode (U-NII-2C)		
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
102	5510	40.52	35.961
118	5590	40.54	35.956
142	5710	40.84	36.000

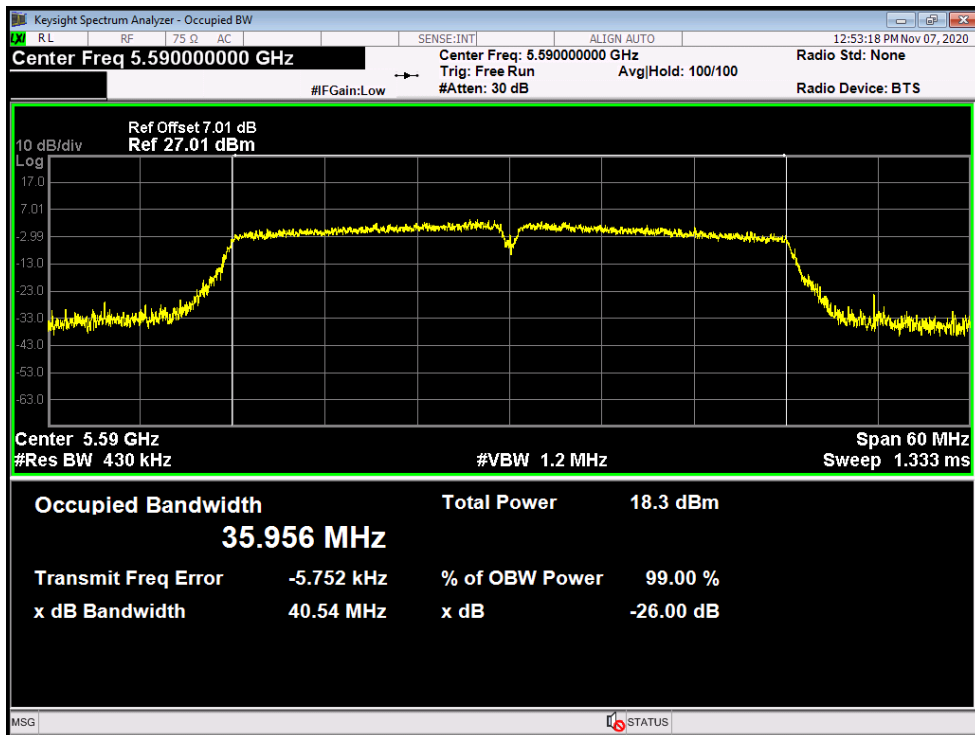
802.11N(HT40) Mode

5510 MHz



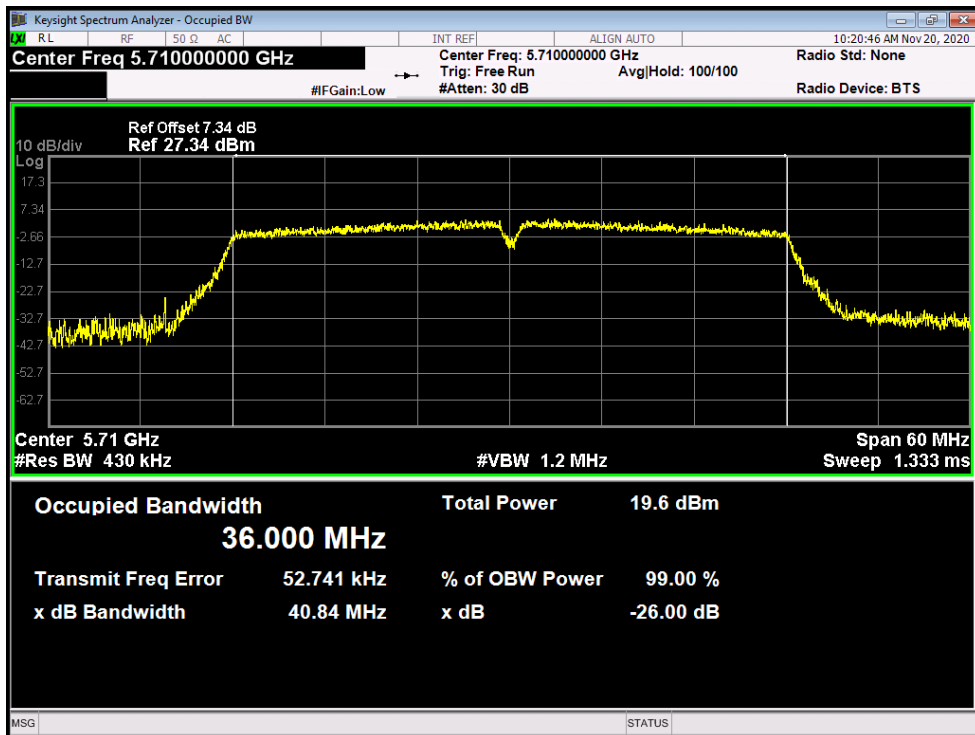
802.11N(HT40) Mode

5590 MHz



802.11N(HT40) Mode

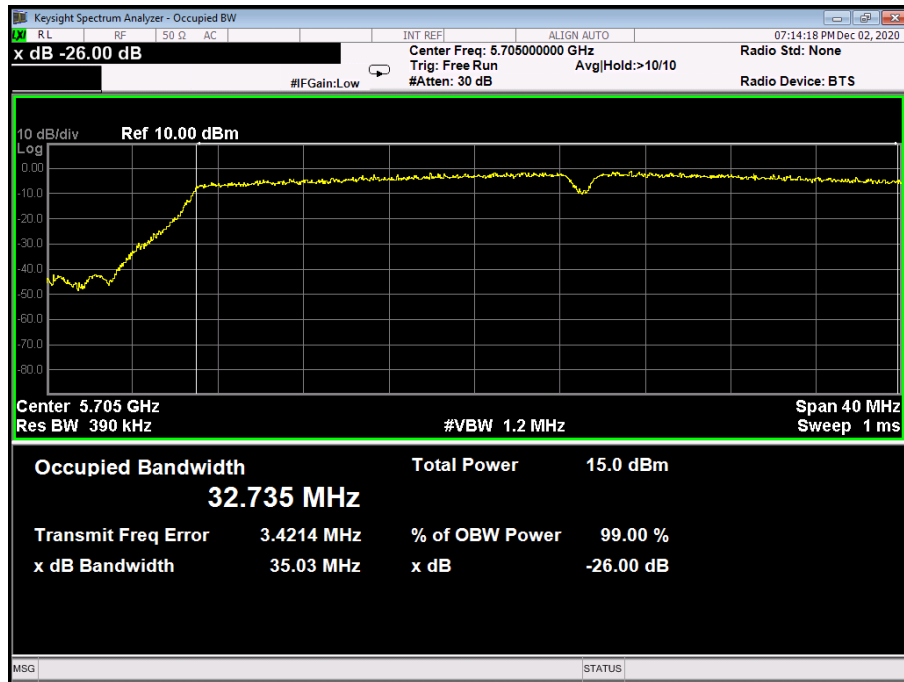
5710 MHz



Temperature:	25 °C	Relative Humidity:	55%	
Test Voltage:	DC 3.8V			
Test Mode:	TX 802.11n(HT40) Mode (U-NII-2C)			
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
142	5710	35.03	----	32.735
		----	3.171	3.9539

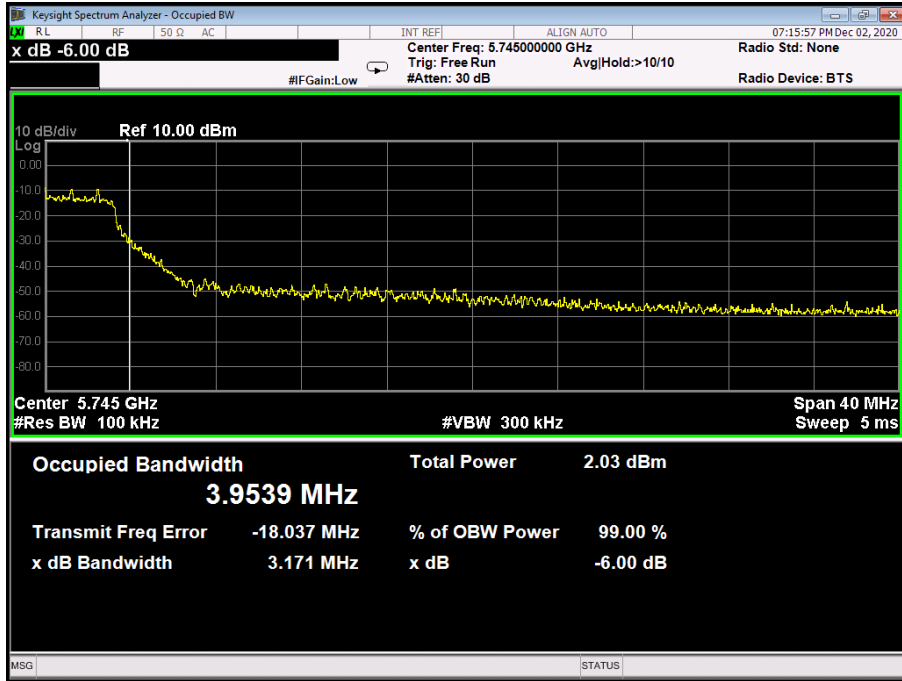
802.11n(HT40) Mode

5710 MHz Straddle 5.47-5.725GHz



802.11n(HT40) Mode

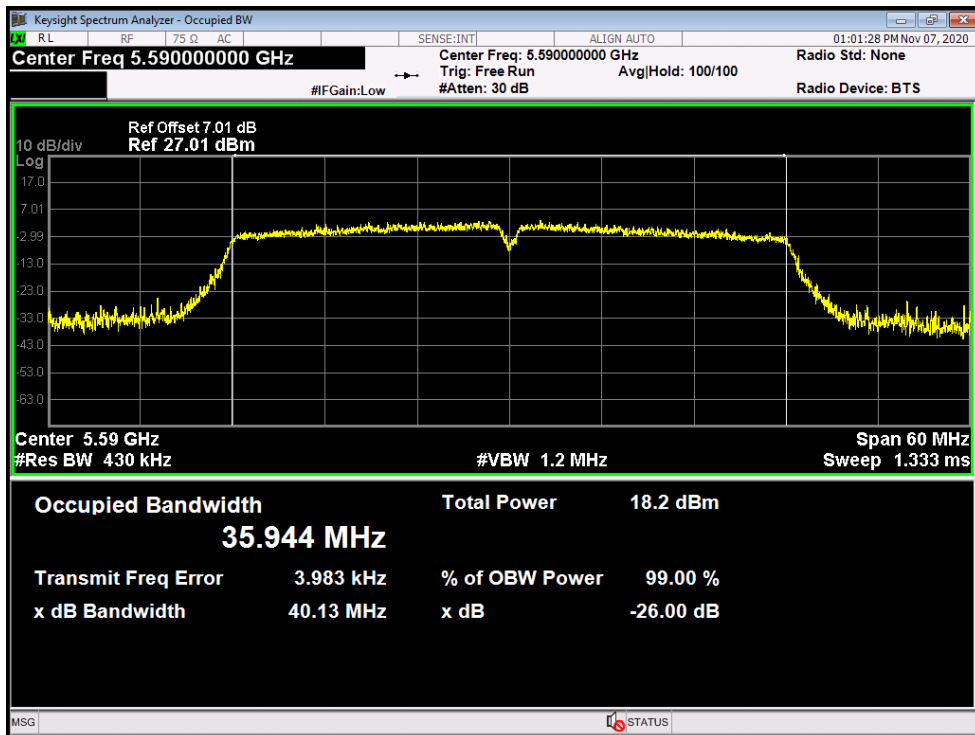
5710 MHz Straddle 5.725-5.85GHz



Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.8V		
Test Mode:	TX 802.11 ac(VHT40) Mode (U-NII-2C)		
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
102	5510	40.10	35.921
118	5590	40.13	35.944
142	5710	40.22	35.994
802.11ac(VHT40) Mode			
5510 MHz			
Occupied Bandwidth		Total Power	17.8 dBm
35.921 MHz			
Transmit Freq Error	11.243 kHz	% of OBW Power	99.00 %
x dB Bandwidth	40.10 MHz	x dB	-26.00 dB

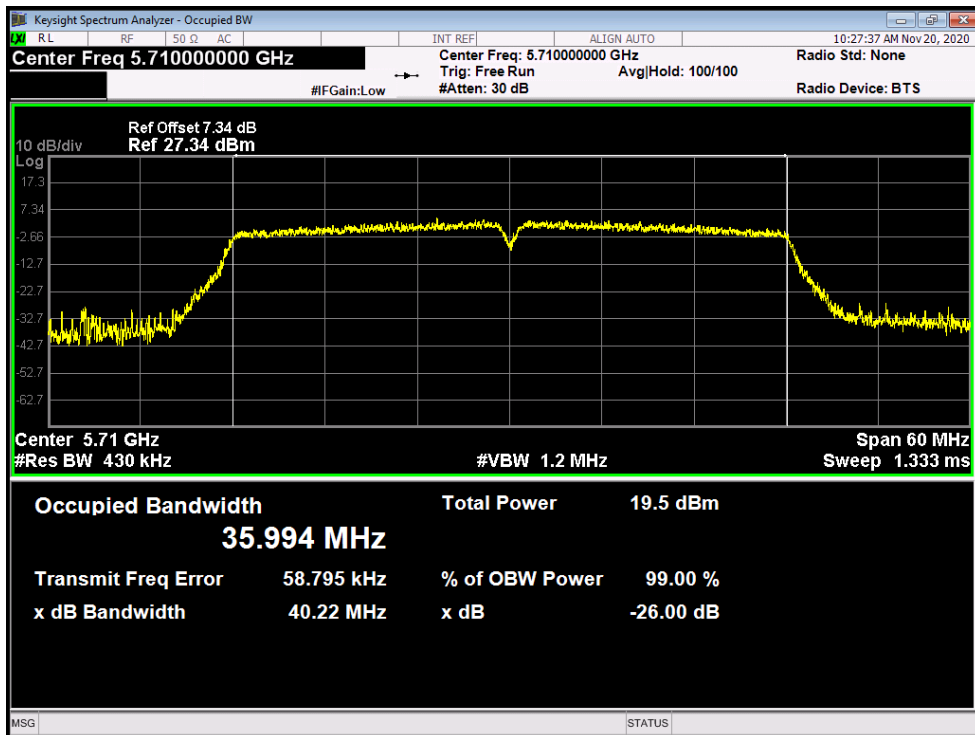
802.11ac(VHT40) Mode

5590 MHz



802.11ac(VHT40) Mode

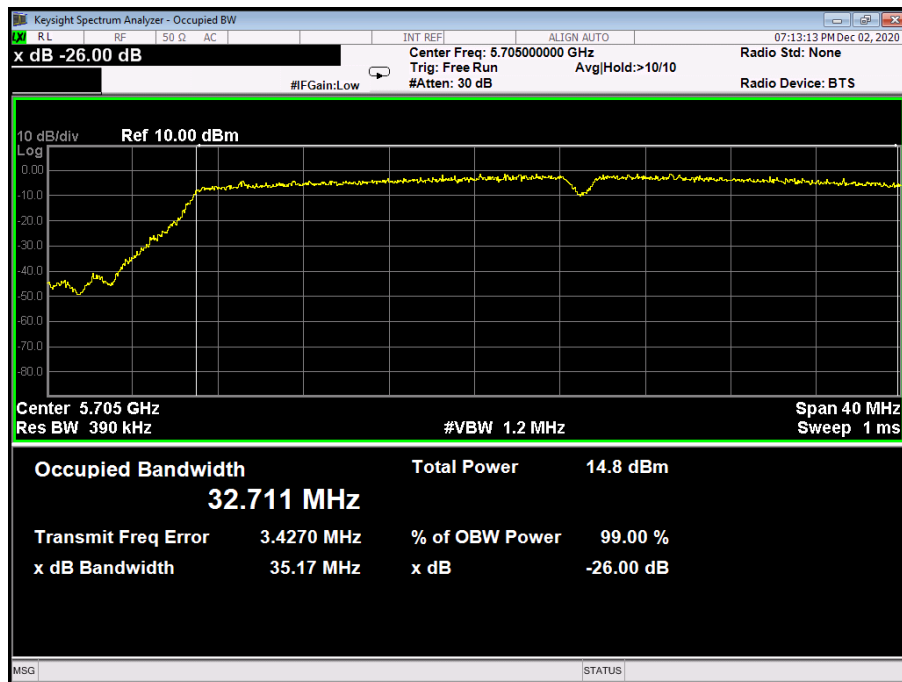
5710 MHz



Temperature:	25 °C	Relative Humidity:	55%	
Test Voltage:	DC 3.8V			
Test Mode:	TX 802.11ac(VHT40) Mode (U-NII-2C)			
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
142	5710	35.17	----	32.711
		----	3.178	3.9896

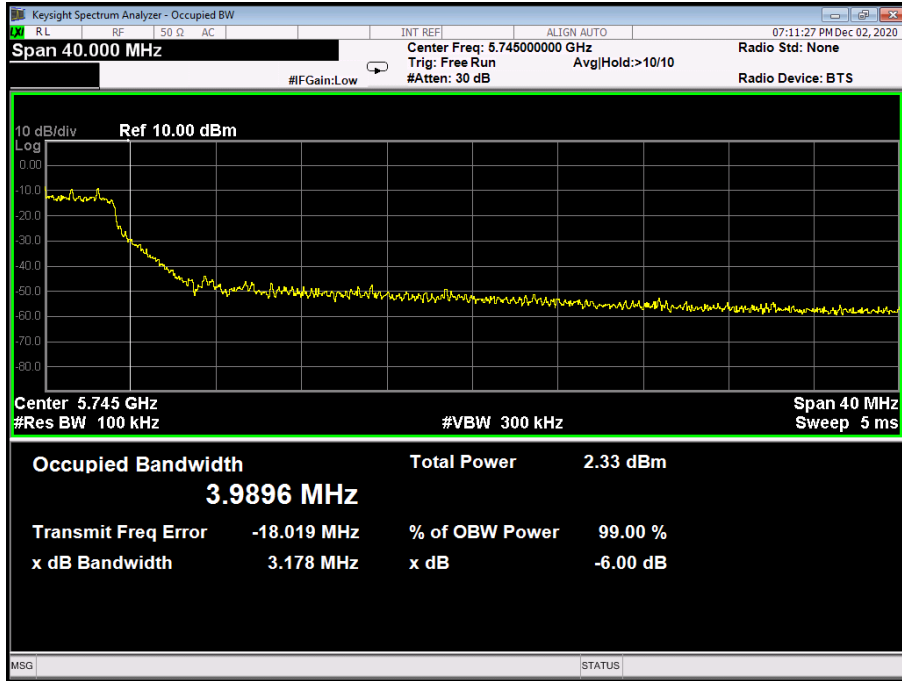
802.11ac(VHT40) Mode

5710 MHz Straddle 5.47-5.725GHz



802.11ac(VHT40) Mode

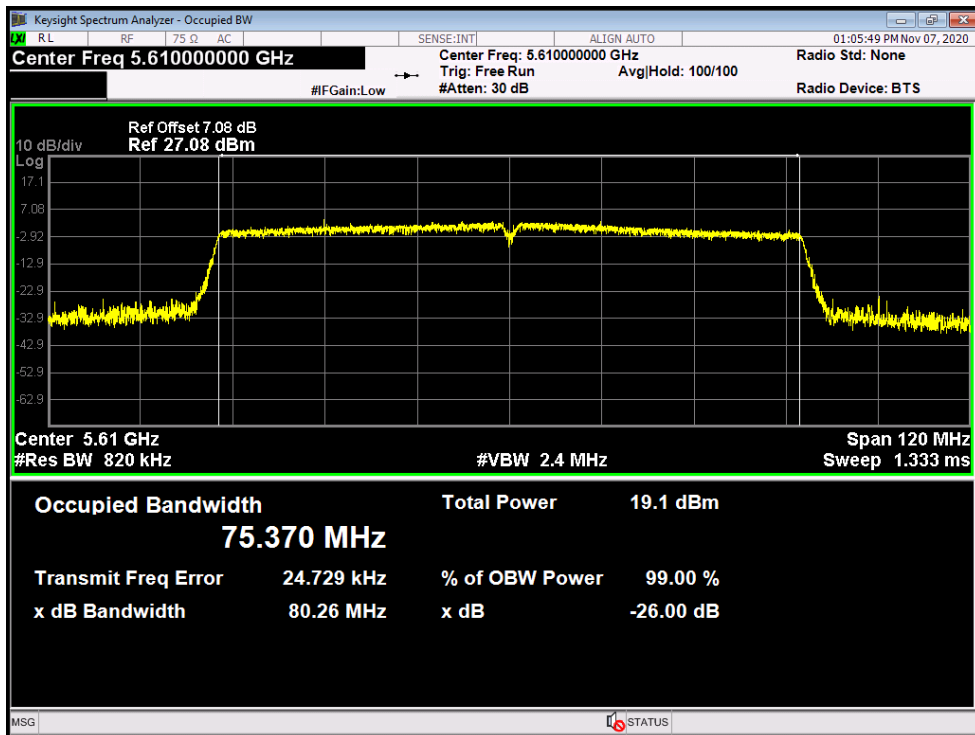
5710 MHz Straddle 5.725-5.85GHz



Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.8V		
Test Mode:	TX 802.11 ac(VHT80) Mode (U-NII-2C)		
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
106	5530	80.45	75.262
122	5610	80.26	75.370
138	5690	80.56	75.309
802.11ac(VHT80) Mode			
5530 MHz			

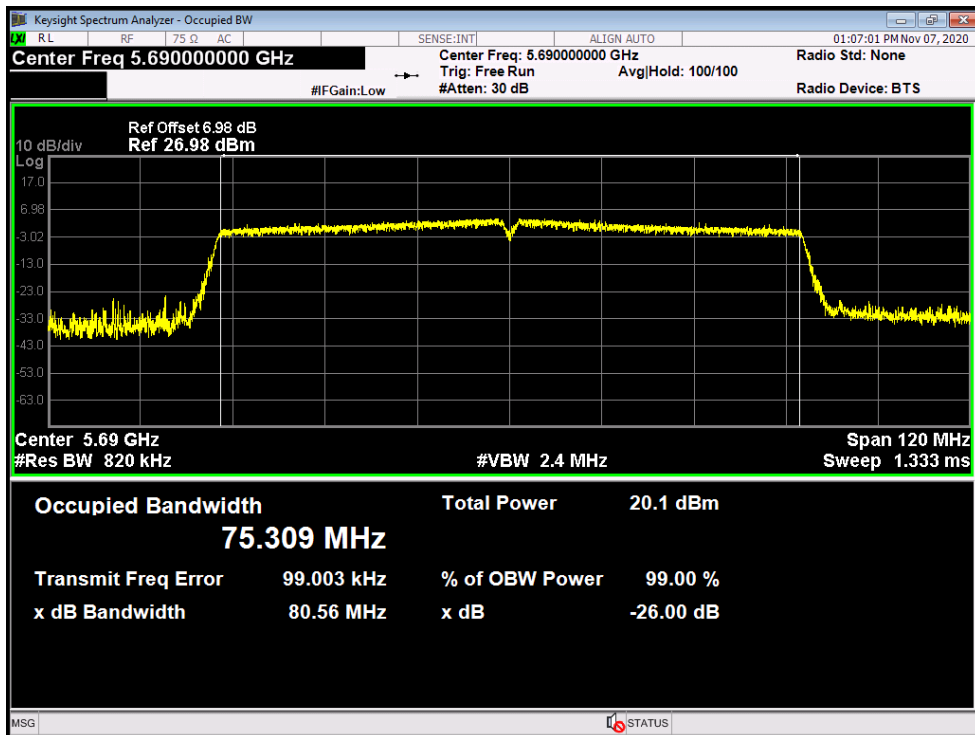
802.11ac(VHT80) Mode

5610 MHz



802.11ac(VHT80) Mode

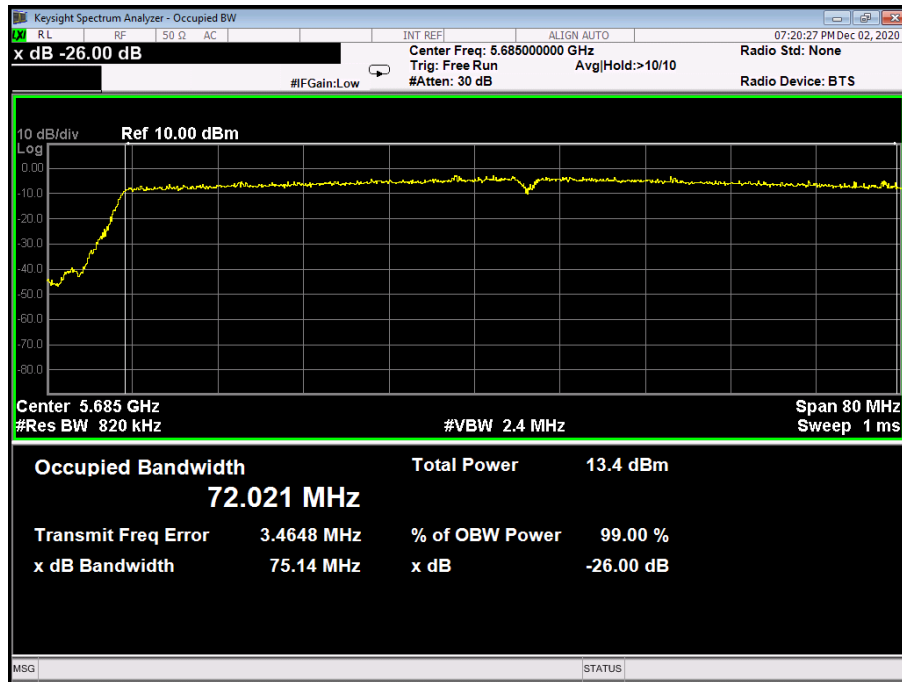
5690 MHz



Temperature:	25 °C	Relative Humidity:	55%	
Test Voltage:	DC 3.8V			
Test Mode:	TX 802.11ac(HT80) Mode (U-NII-2C)			
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
142	5710	75.14	----	72.021
		----	3.192	4.9496

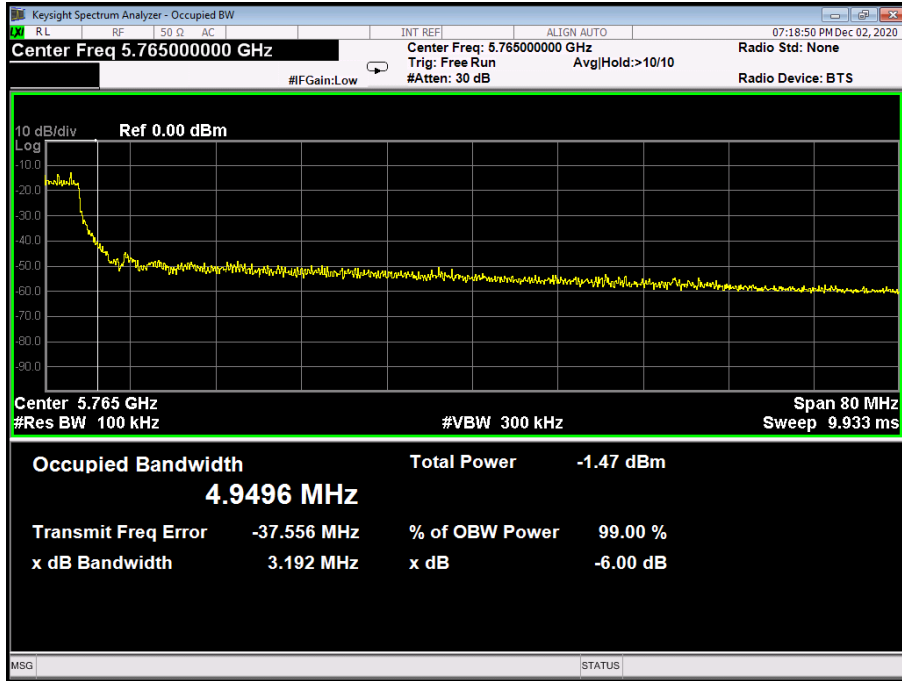
802.11ac(VHT80) Mode

5710 MHz Straddle 5.47-5.725GHz



802.11ac(VHT80) Mode

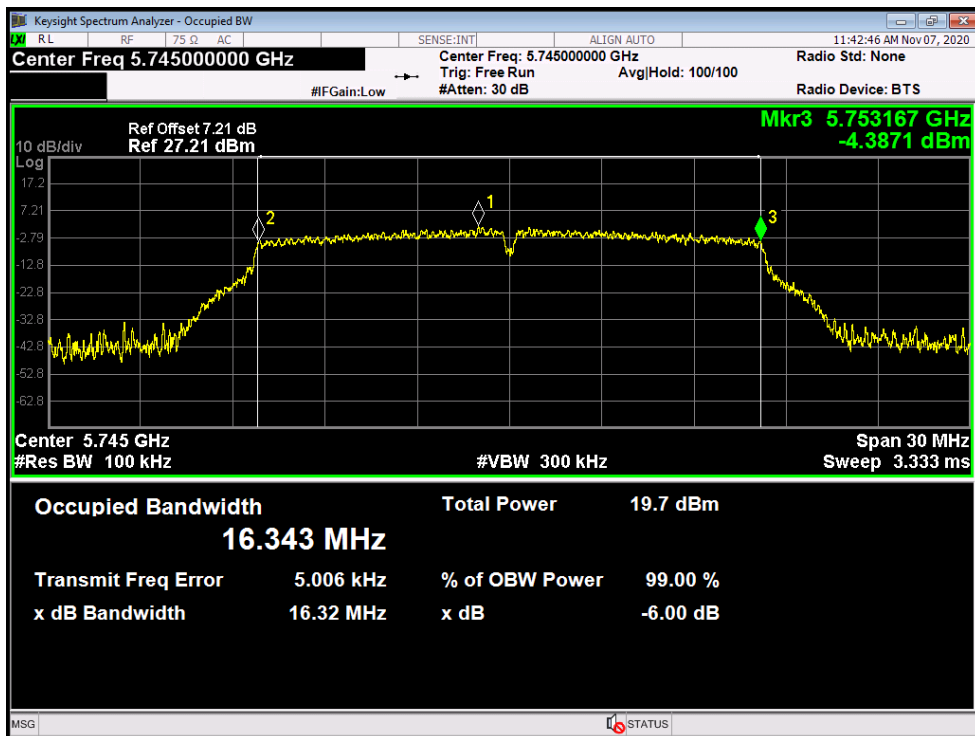
5690 MHz Straddle 5.725-5.85GHz



Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.8V		
Test Mode:	TX 802.11a Mode (U-NII-3)		
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
149	5745	16.32	16.343
157	5785	16.33	16.346
165	5825	16.35	16.344

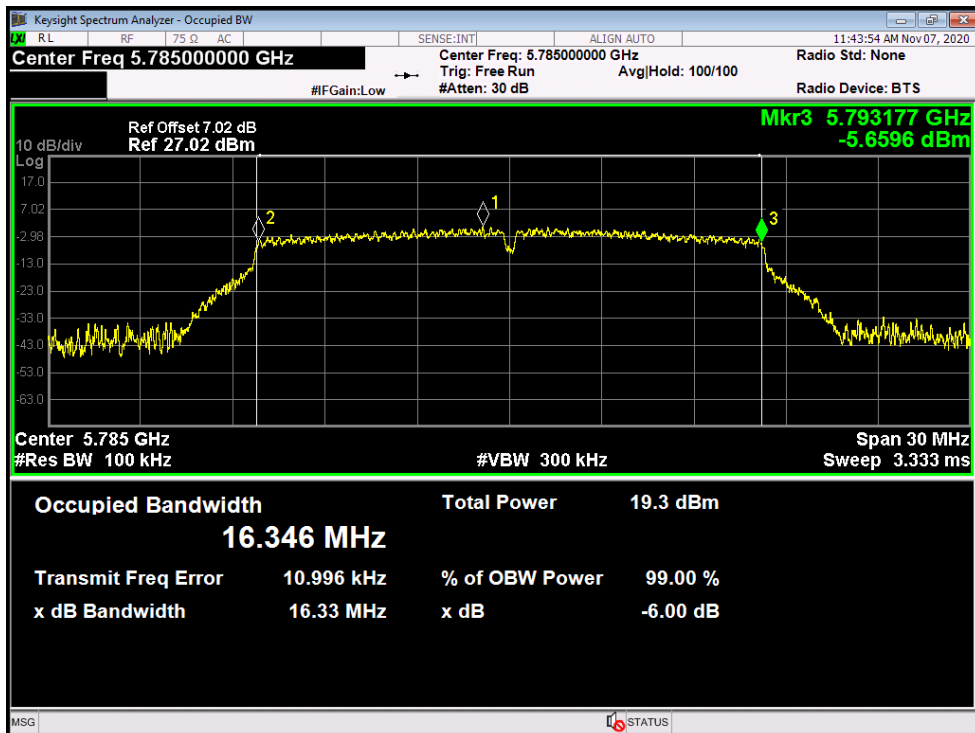
802.11a Mode

5745 MHz



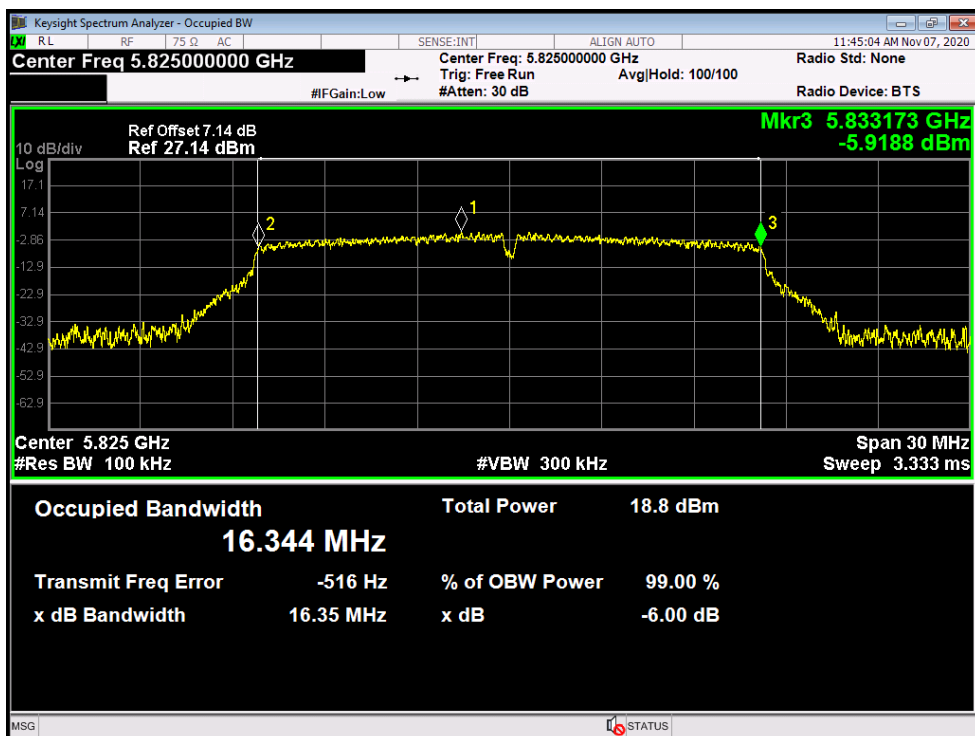
802.11a Mode

5785 MHz



802.11a Mode

5825 MHz



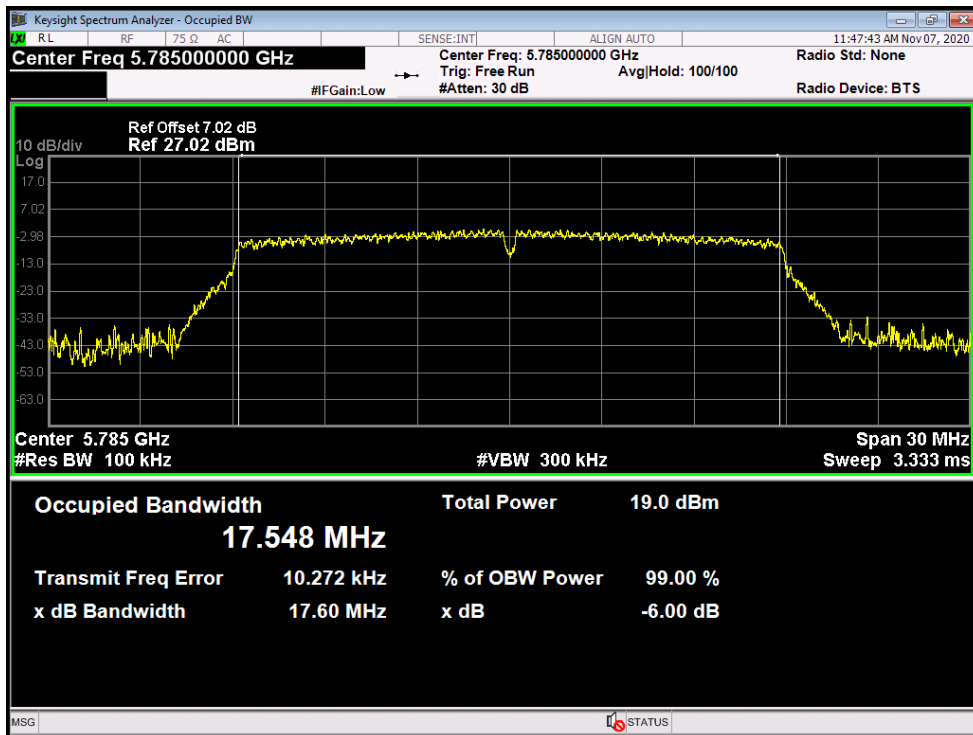
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.8V		
Test Mode:	TX 802.11n(HT20) Mode (U-NII-3)		
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
149	5745	17.58	17.539
157	5785	17.55	17.548
165	5825	17.60	17.533

802.11n(HT20) Mode
5745 MHz

Occupied Bandwidth	Total Power	19.9 dBm	
17.539 MHz			
Transmit Freq Error	9.064 kHz	% of OBW Power	99.00 %
x dB Bandwidth	17.58 MHz	x dB	-6.00 dB

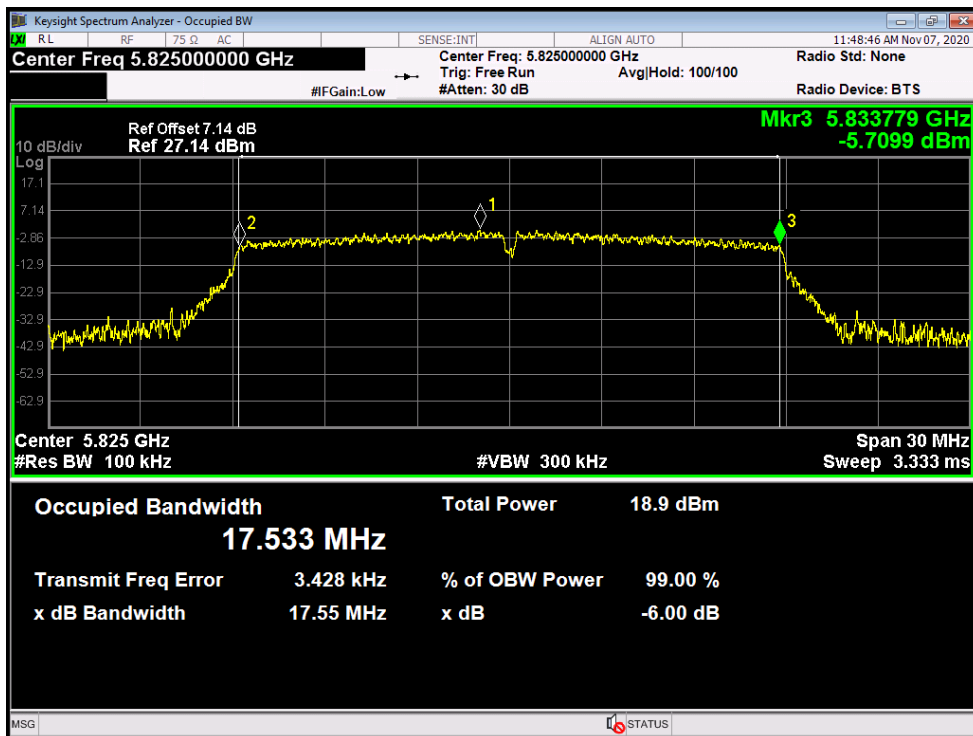
802.11n(HT20) Mode

5785 MHz



802.11n(HT20) Mode

5825 MHz



Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.8V		
Test Mode:	TX 802.11ac(VHT20) Mode (U-NII-3)		
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
149	5745	17.56	17.536
157	5785	17.57	17.543
165	5825	17.56	17.549

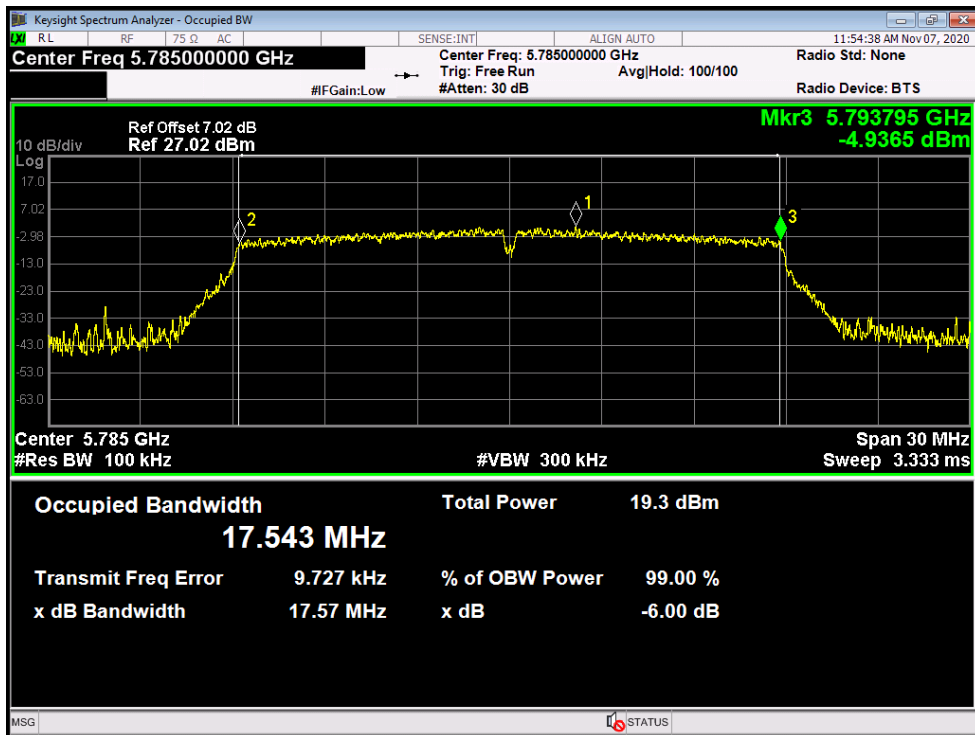
802.11ac(VHT20) Mode
5745 MHz

The screenshot shows a Keysight Spectrum Analyzer interface. The main display is a plot of the signal's power spectrum. The center frequency is 5.745 GHz. The occupied bandwidth is 17.536 MHz. The total power is 20.0 dBm. The plot shows a signal with a peak at 5.753791 GHz and a power level of -5.0821 dBm. The plot also shows the signal's roll-off and the noise floor. The interface includes various controls and readouts for the signal's characteristics.

Occupied Bandwidth	Total Power	20.0 dBm	
17.536 MHz			
Transmit Freq Error	8.972 kHz	% of OBW Power	99.00 %
x dB Bandwidth	17.56 MHz	x dB	-6.00 dB

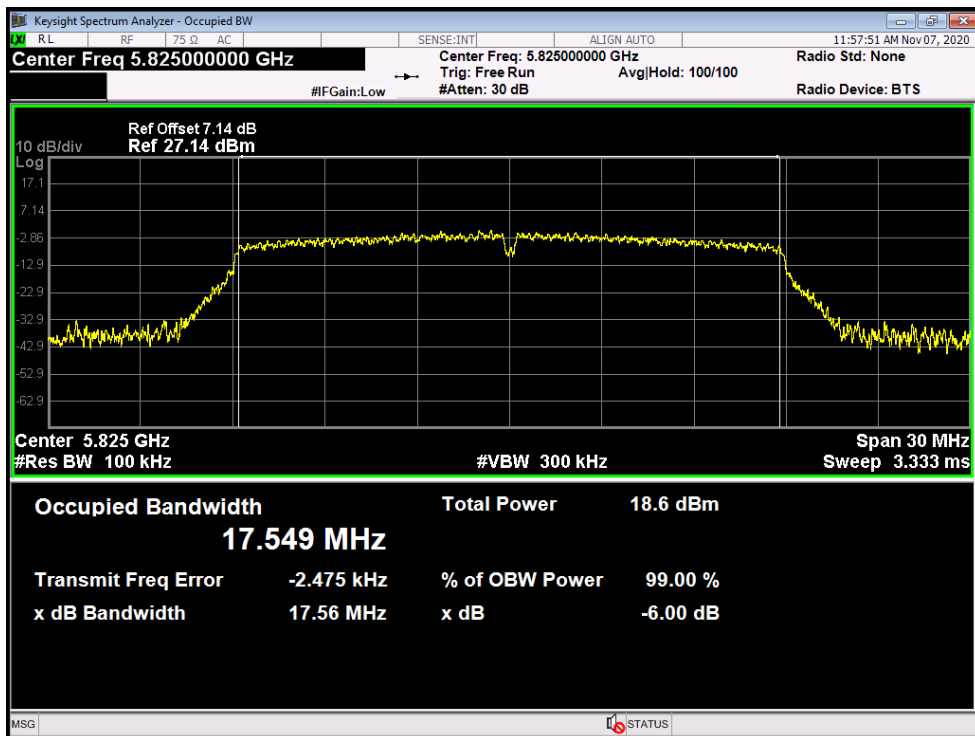
802.11ac(VHT20) Mode

5785 MHz



802.11ac(VHT20) Mode

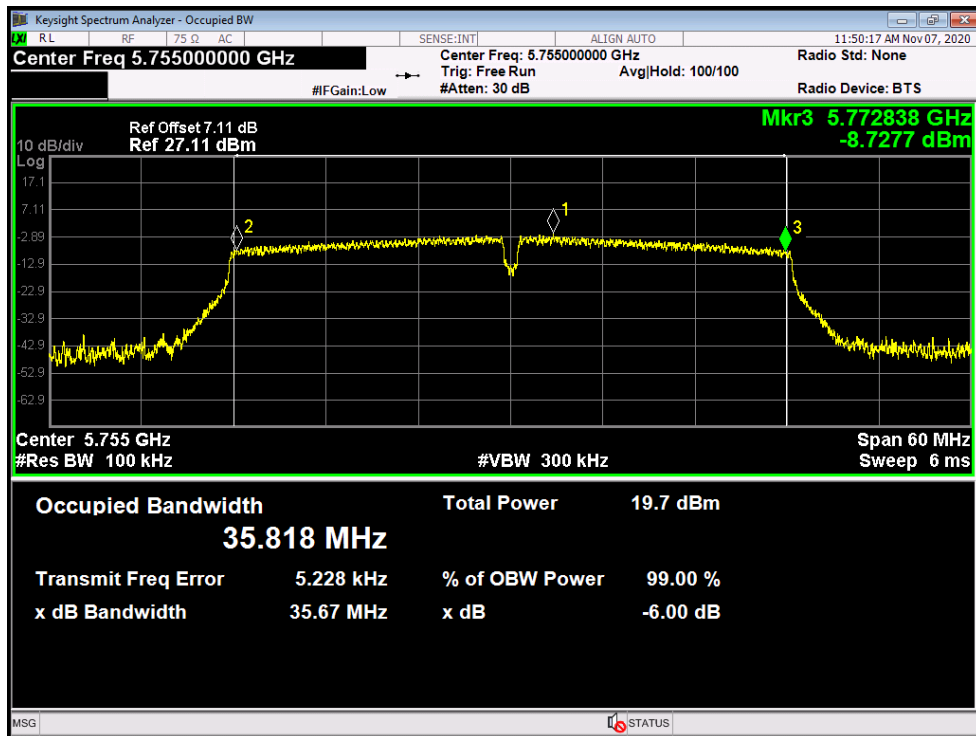
5825 MHz



Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.8V		
Test Mode:	TX 802.11n(HT40) Mode (U-NII-3)		
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
151	5755	35.67	35.818
159	5795	36.05	35.839

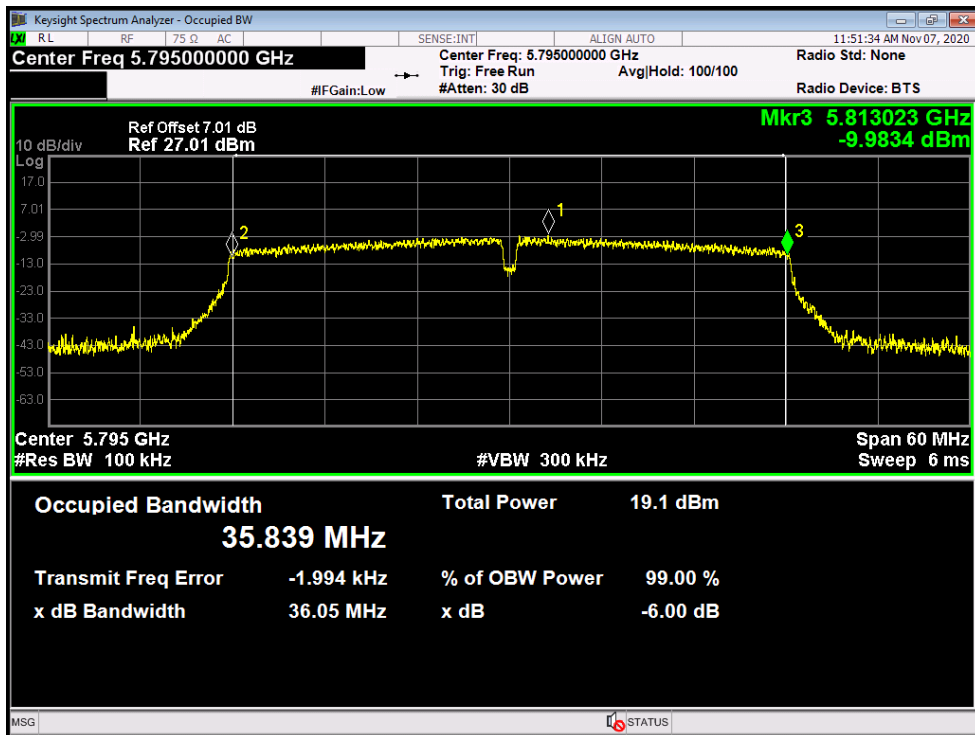
802.11n(HT40) Mode

5755 MHz



802.11n(HT40) Mode

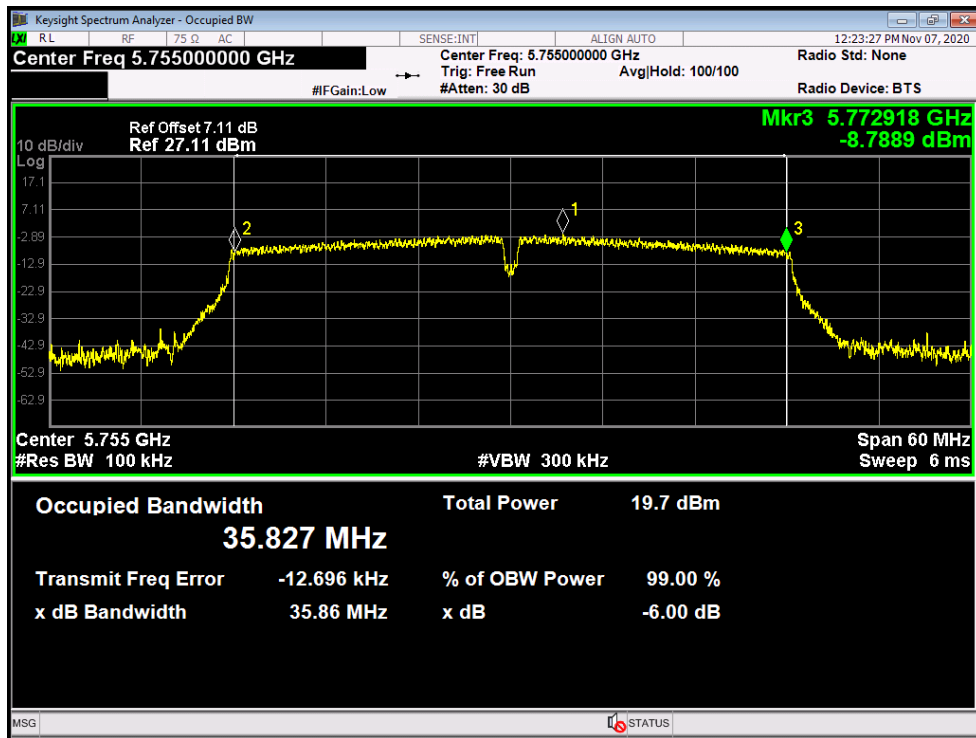
5795 MHz



Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.8V		
Test Mode:	TX 802.11ac(VHT40) Mode (U-NII-3)		
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
151	5755	35.86	35.827
159	5795	35.68	35.823

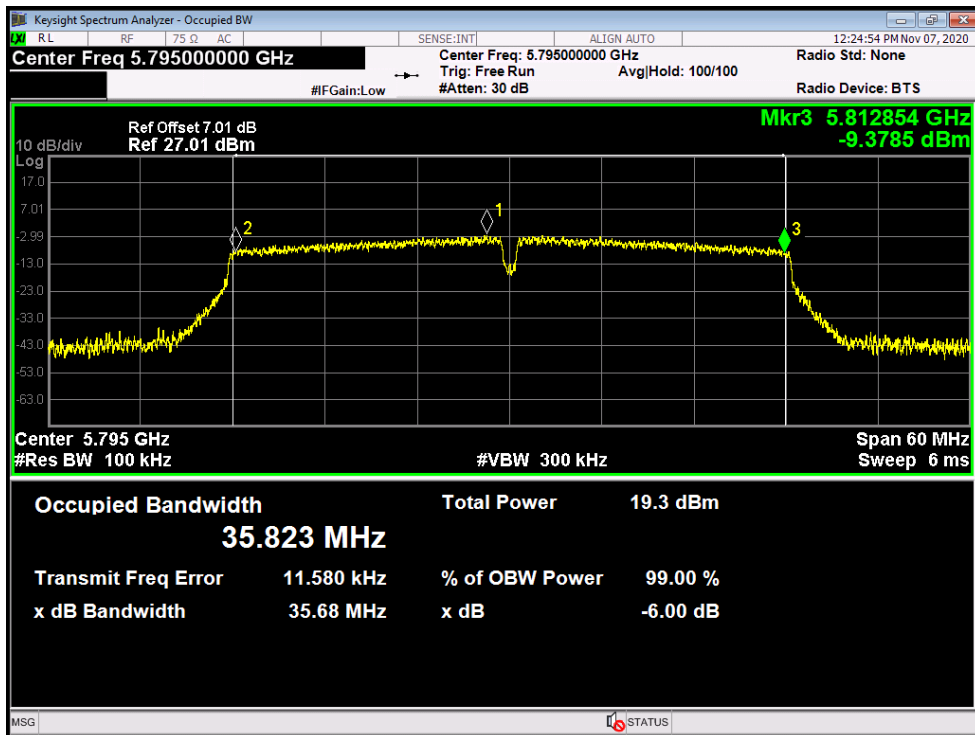
802.11ac(VHT40) Mode

5755 MHz



802.11ac(VHT40) Mode

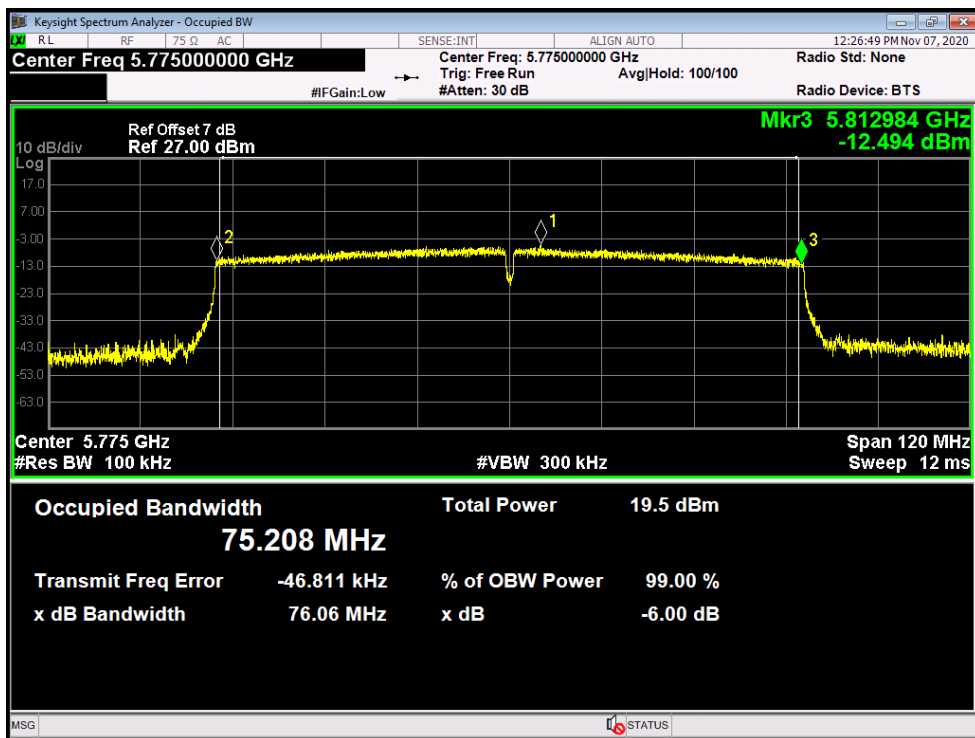
5795 MHz



Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.8V		
Test Mode:	TX 802.11ac(HT80) Mode (U-NII-3)		
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)
155	5775	76.06	75.208

802.11ac(VHT80) Mode

5775 MHz



Attachment E--AVG Output Power Test Data

Temperature:	25 °C	Relative Humidity:	55%		
Test Voltage:	DC 3.8V				
U-NII-1					
Test Mode	Frequency (MHz)	Test Data			Limit (dBm)
		Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	
802.11a	5180	10.75	0	10.75	24
	5200	10.74	0	10.74	
	5240	10.98	0	10.98	
802.11n (HT20)	5180	9.68	0	9.68	
	5200	9.72	0	9.72	
	5240	9.81	0	9.81	
802.11ac (VHT20)	5180	9.87	0	9.87	
	5200	9.69	0	9.69	
	5240	9.79	0	9.79	
802.11n (HT40)	5190	9.74	0	9.74	
	5230	9.95	0	9.95	
802.11 ac(VHT40)	5190	9.70	0	9.70	
	5230	9.88	0	9.88	
802.11 ac(VHT80)	5210	9.63	0	9.63	
Result: PASS					
Remark: the Directional Gain=0.42dBi<6 dBi. So $P_{out} = P_{limit} = 24\text{dBm}$					

Temperature:	25 °C	Relative Humidity:	55%		
Test Voltage:	DC 3.8V				
U-NII-2A					
Test Mode	Frequency (MHz)	Test Data			Limit (dBm)
		Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	
802.11a	5260	10.95	0	10.95	24
	5280	11.07	0	11.07	
	5320	9.49	0	9.49	
802.11n (HT20)	5260	9.76	0	9.76	
	5280	9.70	0	9.70	
	5320	9.91	0	9.91	
802.11ac (VHT20)	5260	9.89	0	9.89	
	5280	9.82	0	9.82	
	5320	9.96	0	9.96	
802.11n (HT40)	5270	9.98	0	9.98	
	5310	10.01	0	10.01	
802.11ac(VHT40)	5270	9.87	0	9.87	
	5310	9.98	0	9.98	
802.11ac(VHT80)	5290	9.83	0	9.83	
Result: PASS					
Remark: the Directional Gain=0.42dBi<6 dBi. So $P_{out} = P_{limit} = 24\text{dBm}$					

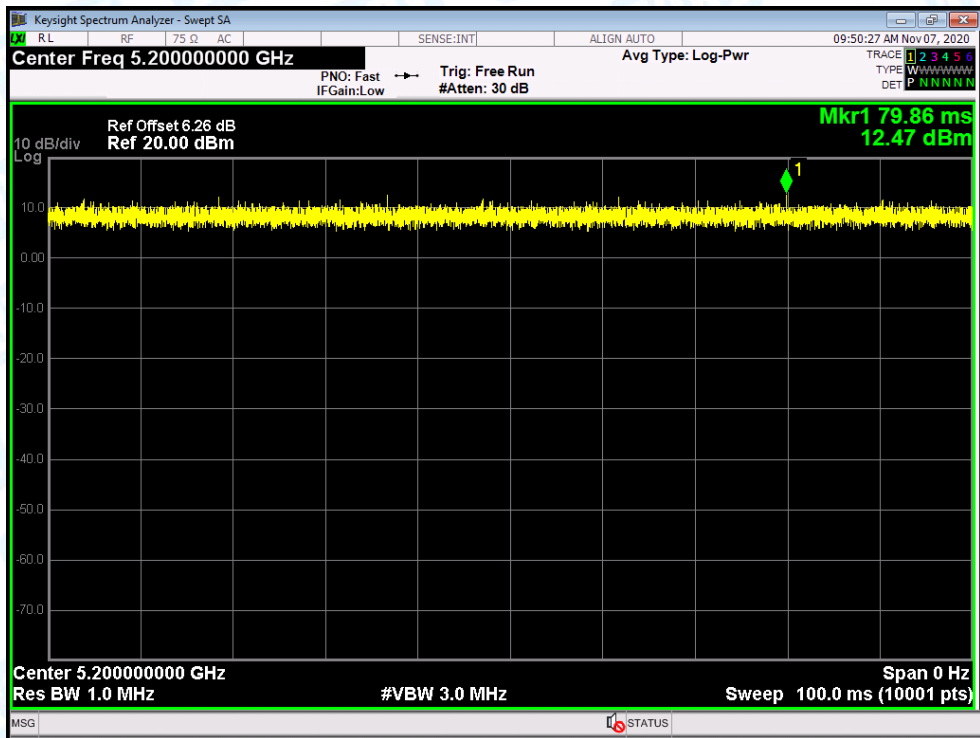
Temperature:	25 °C	Relative Humidity:	55%		
Test Voltage:	DC 3.8V				
U-NII-2C					
Test Mode	Frequency (MHz)	Test Data			Limit (dBm)
		Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	
802.11a	5500	8.97	0	8.97	24
	5600	9.36	0	9.36	
	5720	9.79	0	9.79	
802.11n (HT20)	5500	8.84	0	8.84	
	5600	7.98	0	7.98	
	5720	9.55	0	9.55	
802.11ac (VHT20)	5500	7.77	0	7.77	
	5600	8.21	0	8.21	
	5720	9.54	0	9.54	
802.11n (HT40)	5510	7.90	0	7.90	
	5590	8.36	0	8.36	
	5710	8.29	0	8.29	
802.11 ac(VHT40)	5510	7.96	0	7.96	
	5590	8.33	0	8.33	
	5710	9.05	0	9.05	
802.11 ac(VHT80)	5530	7.95	0	7.95	
	5610	8.34	0	8.34	
	5690	9.51	0	9.51	
Result: PASS					
Remark: the Directional Gain=0.42dBi<6 dBi. So P _{out} =P _{limit} =24dBm					

Temperature:	25 °C	Relative Humidity:	55%		
Test Voltage:	DC 3.8V				
U-NII-2C					
Test Mode	Frequency (MHz)	Test Data			Limit (dBm)
		Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	
802.11a 5720MHz Straddle 5.47-5.725GHz		6.85	0	6.85	24
802.11a 5720MHz Straddle 5.725-5.85GHz		3.56	0	3.56	30
802.11n(HT20) 5720MHz Straddle 5.47-5.725GHz		6.78	0	6.78	24
802.11n(HT20) 5720MHz Straddle 5.725-5.85GHz		3.46	0	3.46	30
802.11ac(VHT20) 5720MHz Straddle 5.47-5.725GHz		6.98	0	6.98	24
802.11ac(VHT20) 5720MHz Straddle 5.725-5.85GHz		3.43	0	3.43	30
802.11n(HT40) 5710MHz Straddle 5.47-5.725GHz		6.23	0	6.23	24
802.11n(HT40) 5710MHz Straddle 5.725-5.85GHz		2.14	0	2.14	30
802.11ac(VHT40) 5710MHz Straddle 5.47-5.725GHz		6.08	0	6.08	24
802.11ac(VHT40) 5710MHz Straddle 5.725-5.85GHz		2.06	0	2.06	30
802.11ac(VHT80) 5690MHz Straddle 5.47-5.725GHz		5.98	0	5.98	24
802.11ac(VHT80) 5690MHz Straddle 5.725-5.85GHz		1.03	0	1.03	30
Result: PASS					
Remark: the Directional Gain=0.42dBi<6 dBi. So $P_{out} = P_{limit}$					

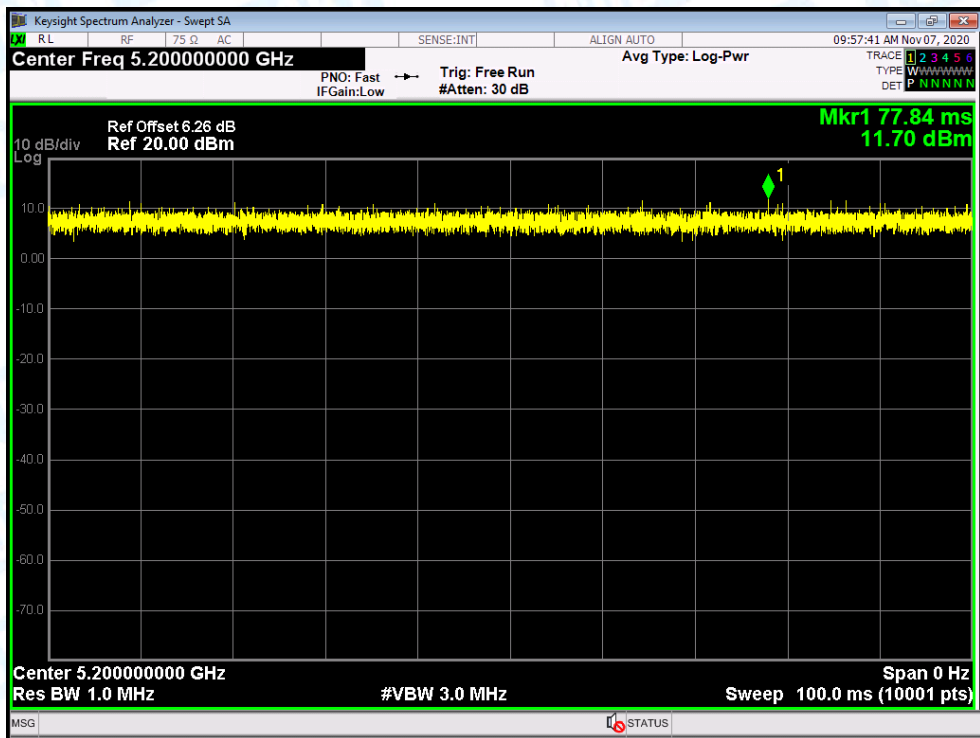
Temperature:	25 °C	Relative Humidity:	55%		
Test Voltage:	DC 3.8V				
U-NII-3					
Test Mode	Frequency (MHz)	Test Data			Limit (dBm)
		Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	
802.11a	5745	10.76	0	10.76	24
	5785	9.96	0	9.96	
	5825	9.60	0	9.60	
802.11n (HT20)	5745	10.67	0	10.67	
	5785	9.80	0	9.80	
	5825	9.48	0	9.48	
802.11ac (VHT20)	5745	10.70	0	10.70	
	5785	9.81	0	9.81	
	5825	9.51	0	9.51	
802.11n (HT40)	5755	10.63	0	10.63	
	5795	9.95	0	9.95	
802.11ac(VHT40)	5755	10.60	0	10.60	
	5795	9.94	0	9.94	
802.11ac(VHT80)	5775	10.06	0	10.06	
Result: PASS					
Remark: the Directional Gain=0.42dBi<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-2A	802.11 a	
	802.11 n(HT20)	
	802.11 ac(VHT20)	
	802.11 n(HT40)	
	802.11 ac(VHT40)	
	802.11 ac(VHT80)	
U-NII-2C	802.11 a	
	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.		

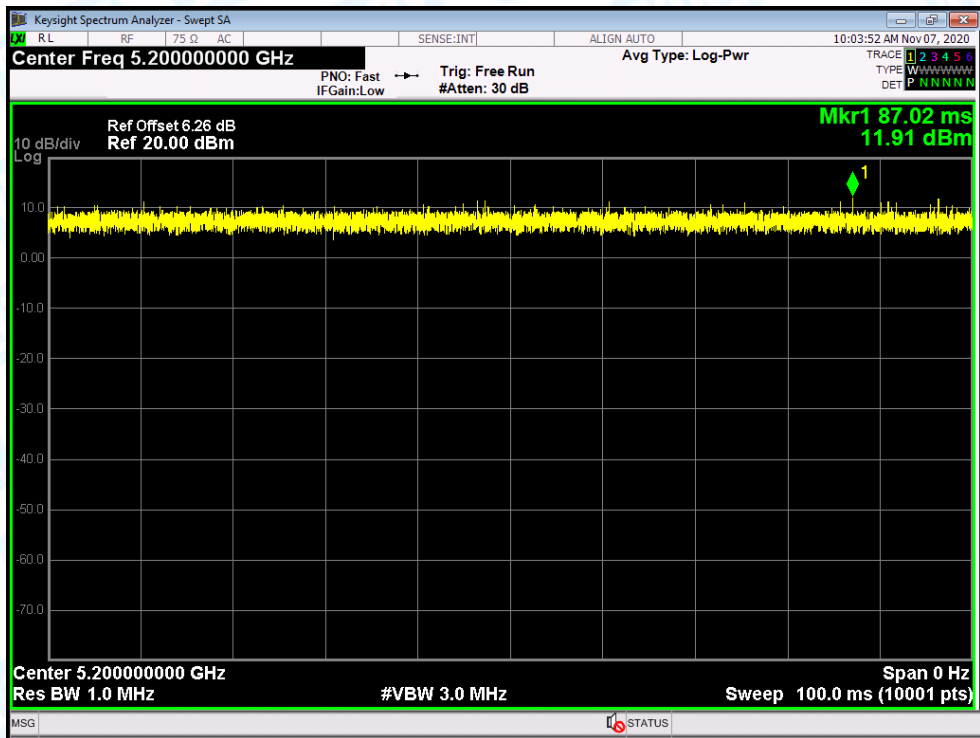
802.11 a 5200MHz U-NII-1



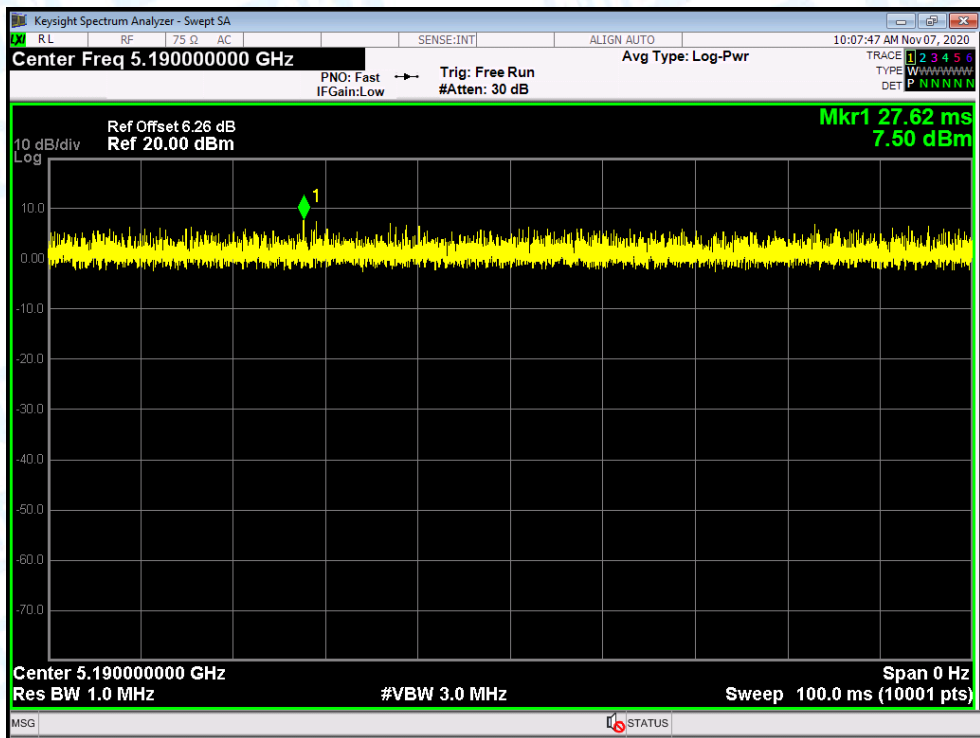
802.11 n(HT20) 5200MHz U-NII-1



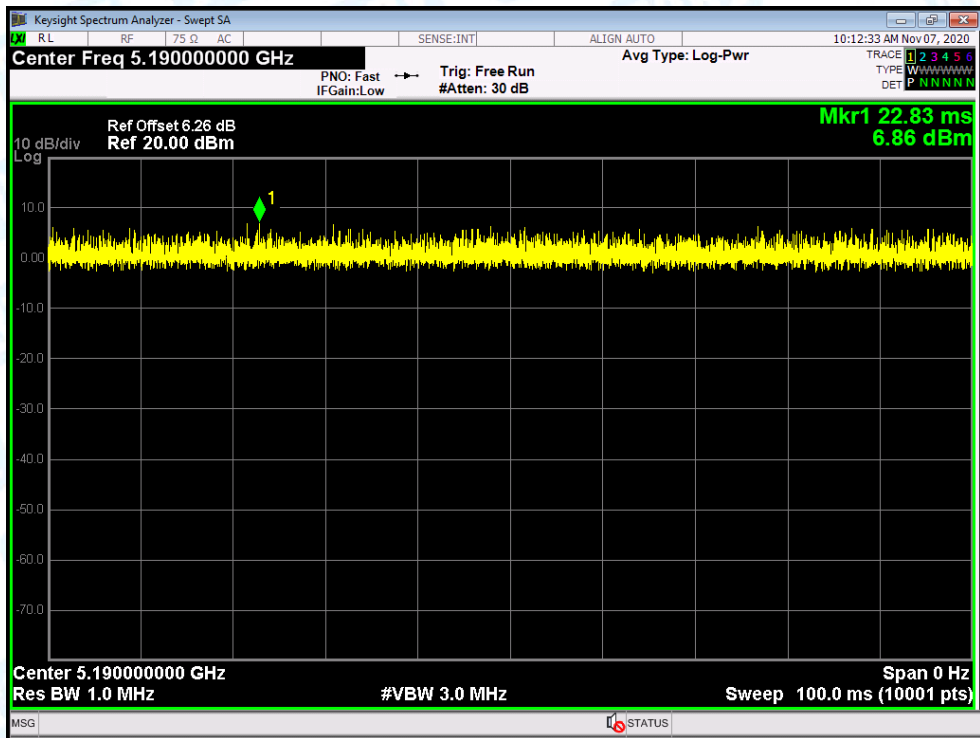
802.11 ac(VHT20) 5200MHz U-NII-1



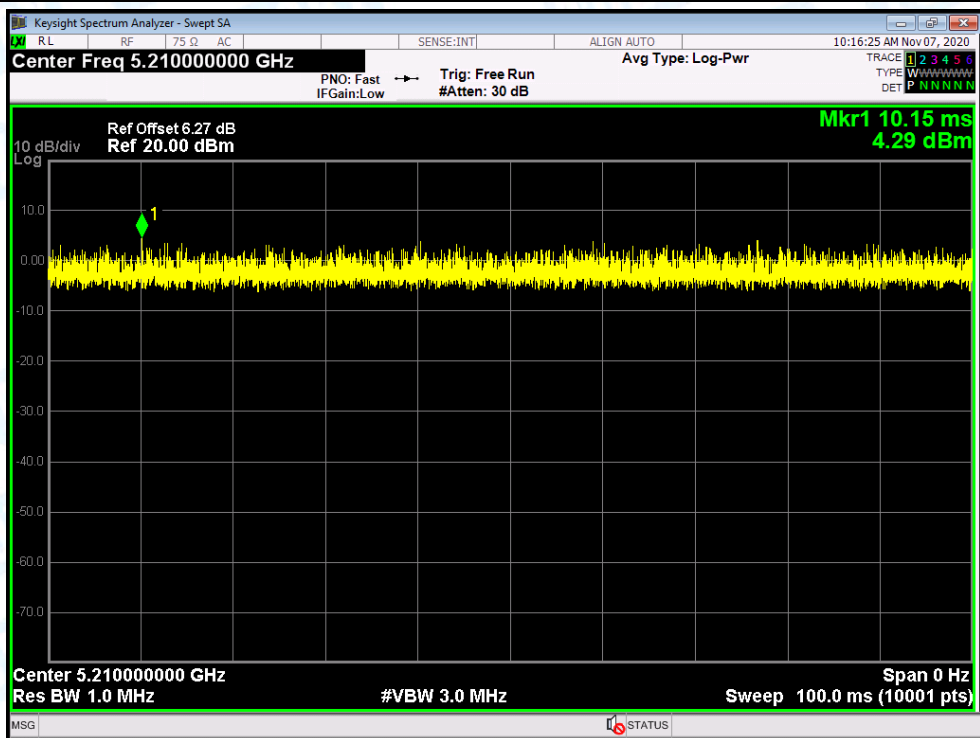
802.11 n(HT40) 5190MHz U-NII-1



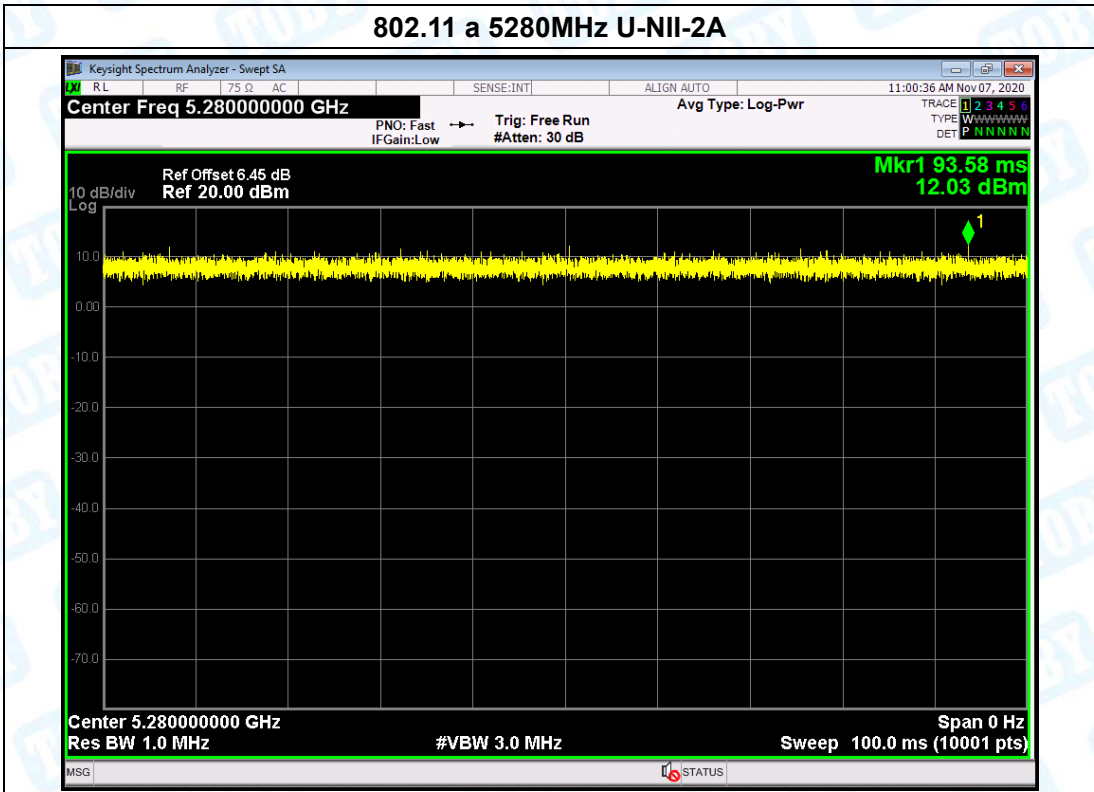
802.11 ac(VHT40) 5190MHz U-NII-1



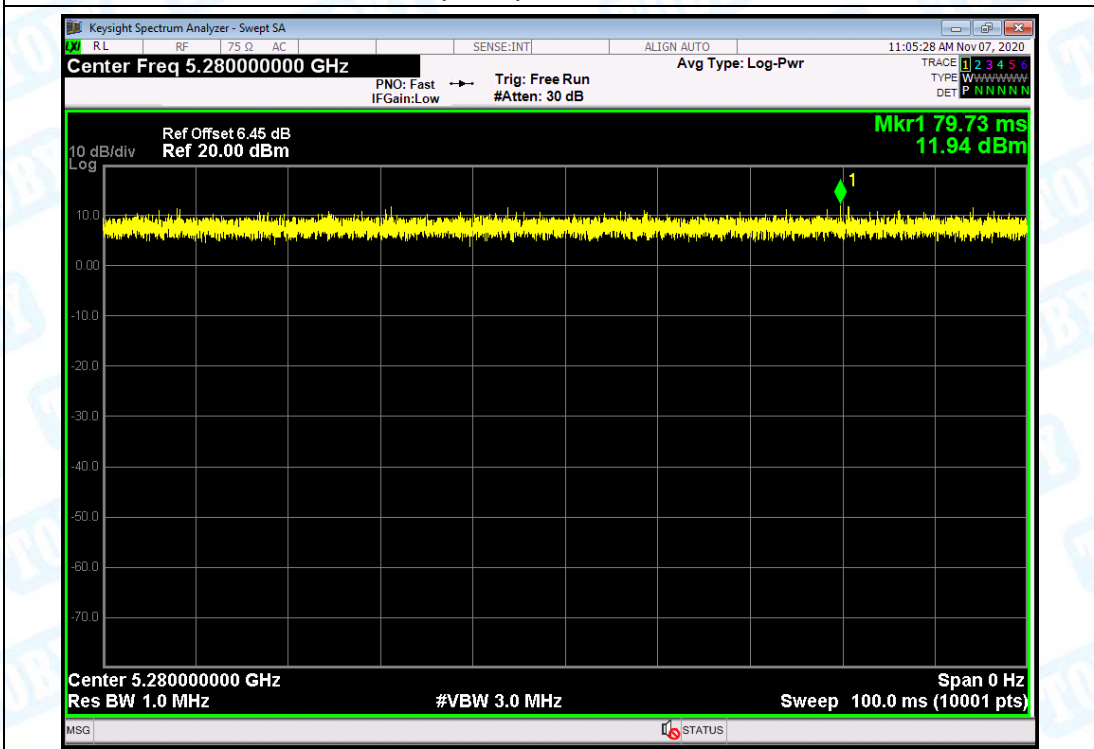
802.11 ac(VHT80) 5210MHz U-NII-1



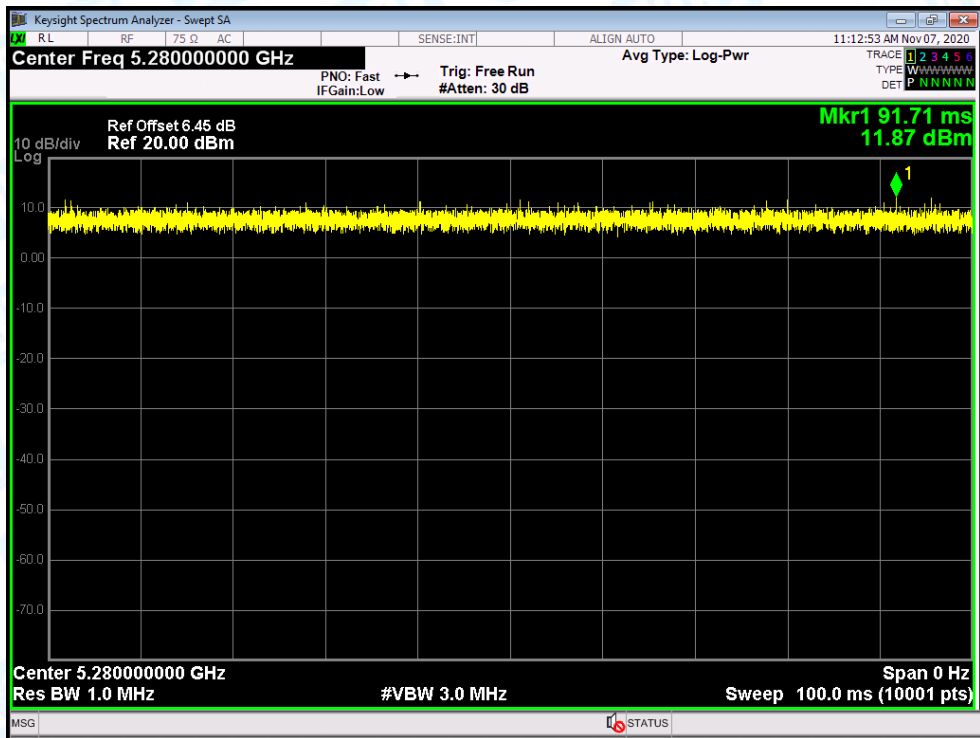
802.11 a 5280MHz U-NII-2A



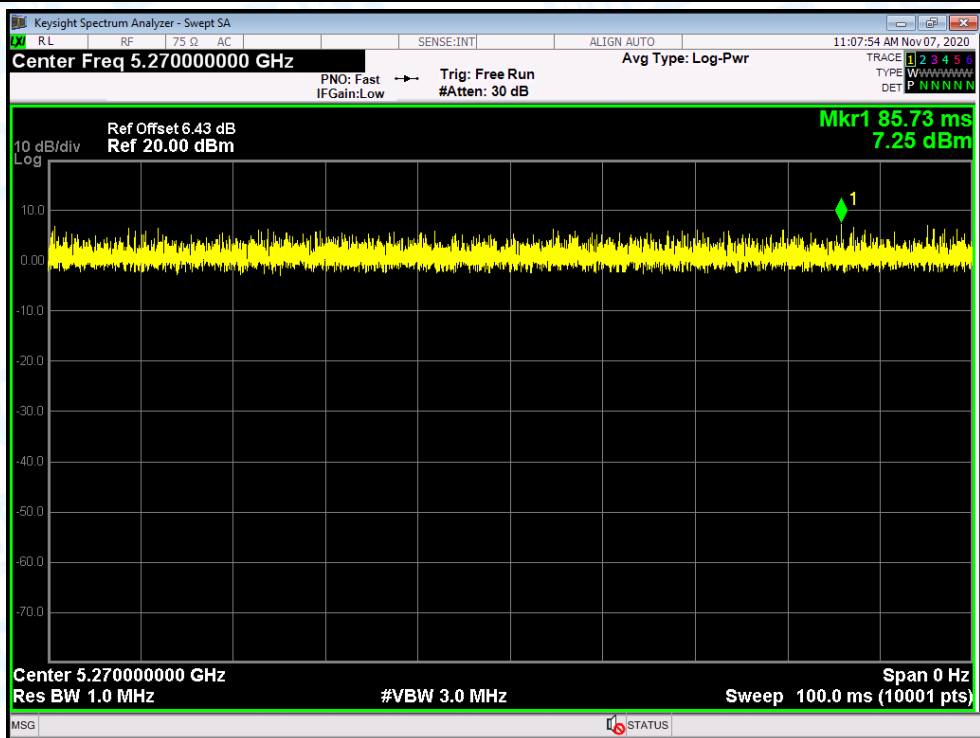
802.11 n(HT20) 5280MHz U-NII-2A



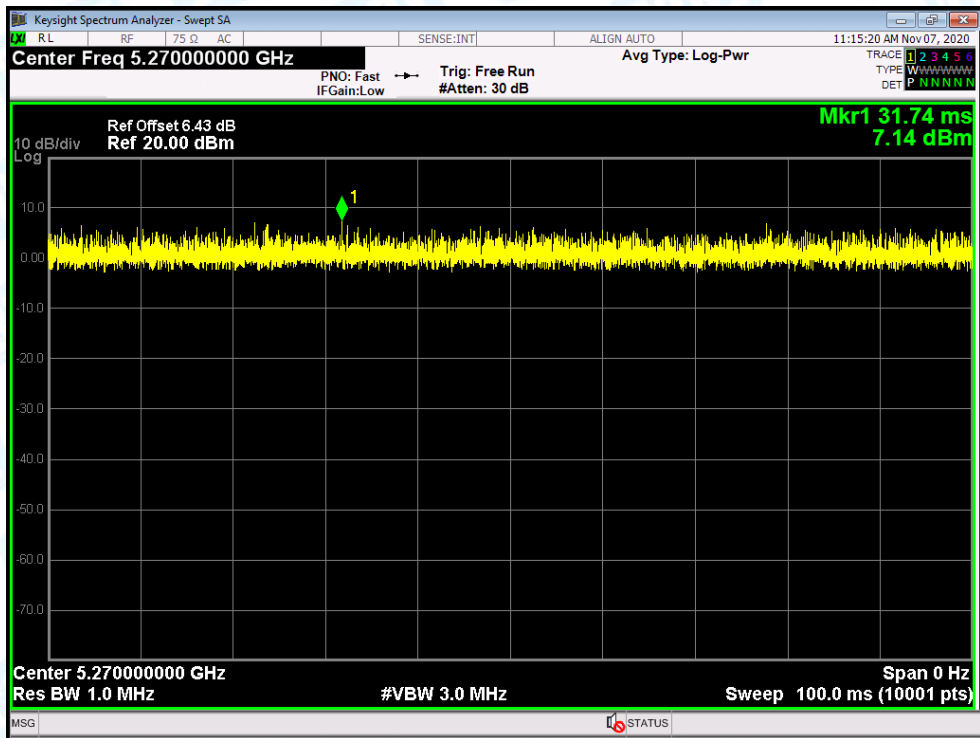
802.11 ac(VHT20) 5280MHz U-NII-2A



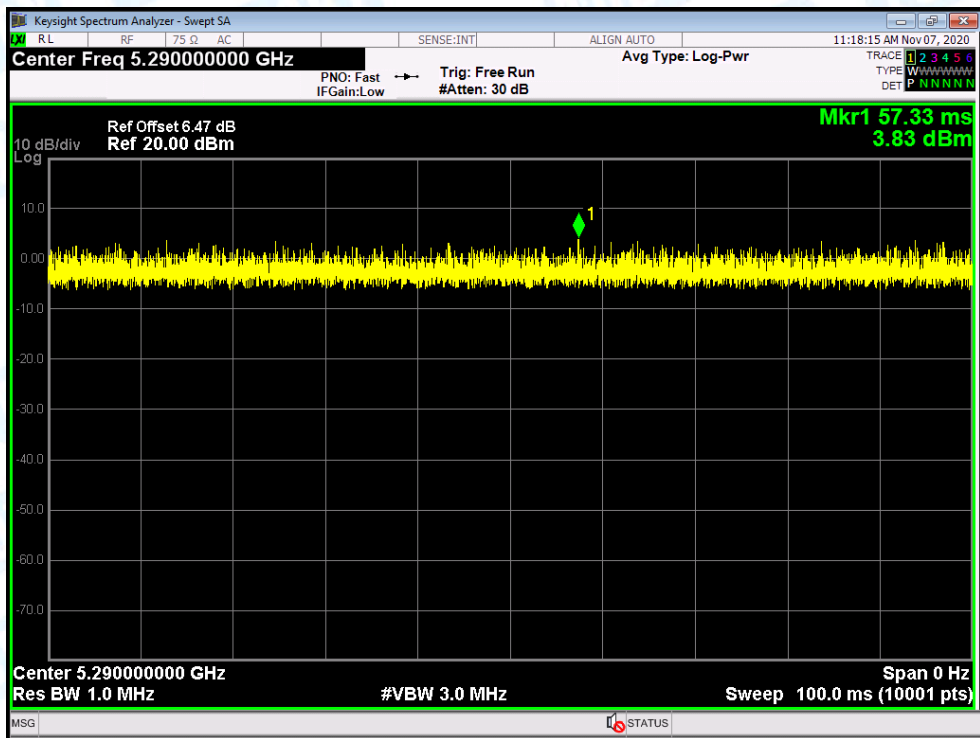
802.11 n(HT40) 5270MHz U-NII-2A



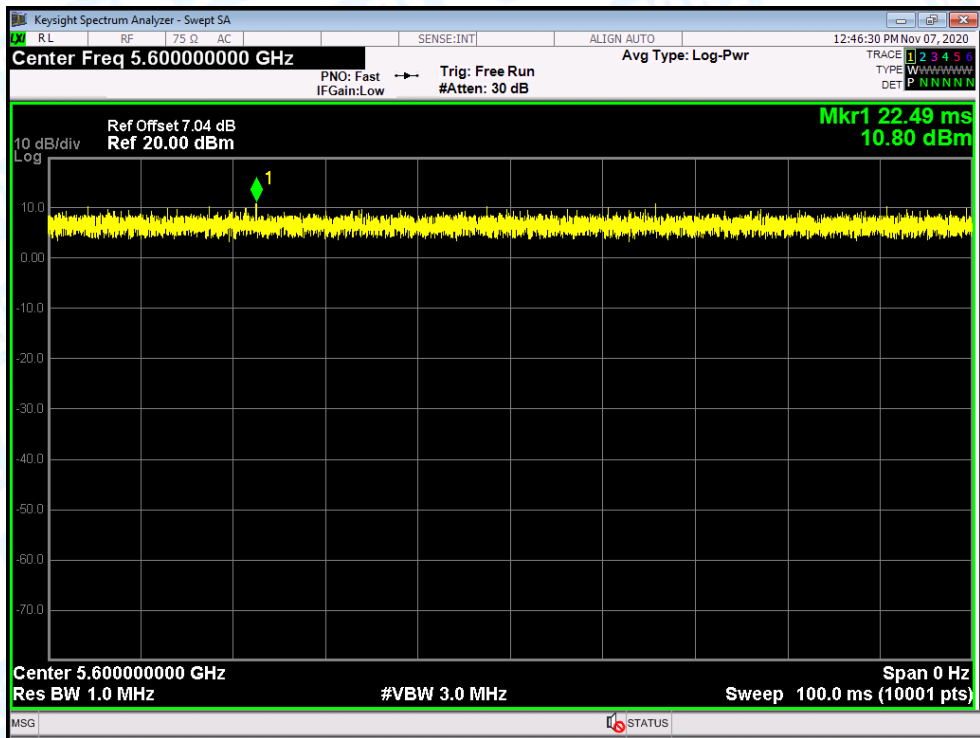
802.11 ac(VHT40) 5270MHz U-NII-2A



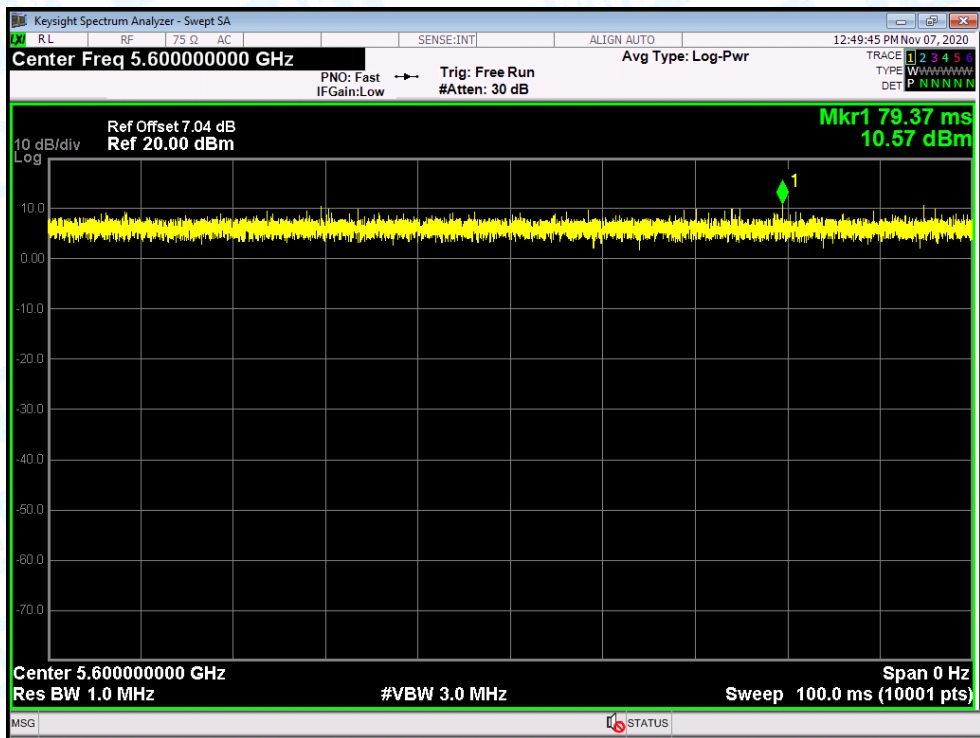
802.11 ac(VHT80) 5290MHz U-NII-2A



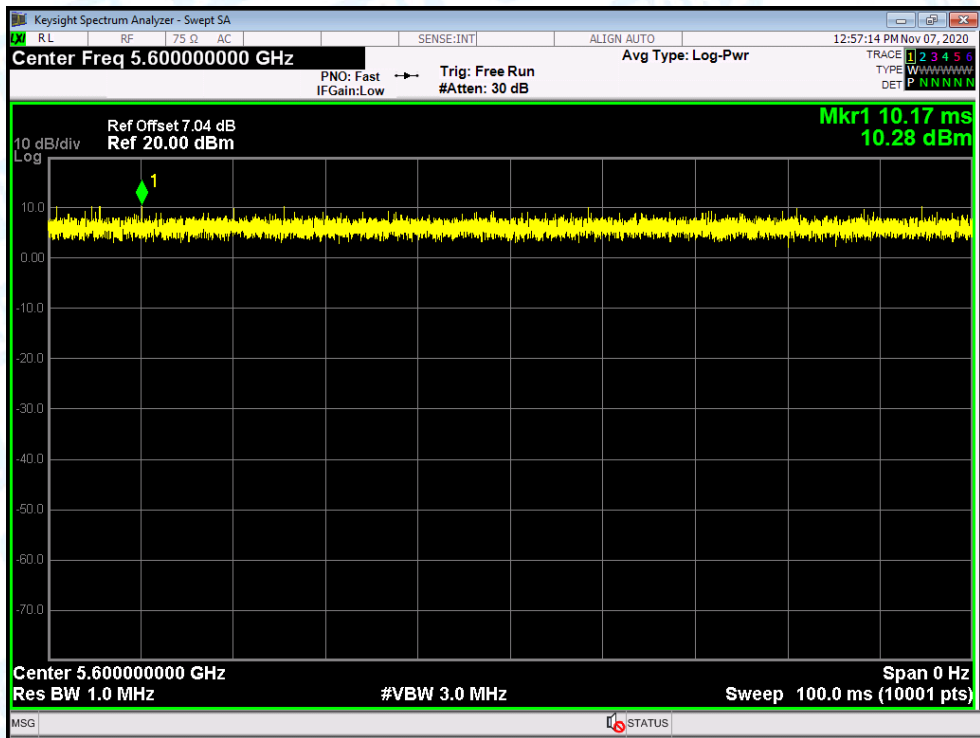
802.11 a 5600MHz U-NII-2C



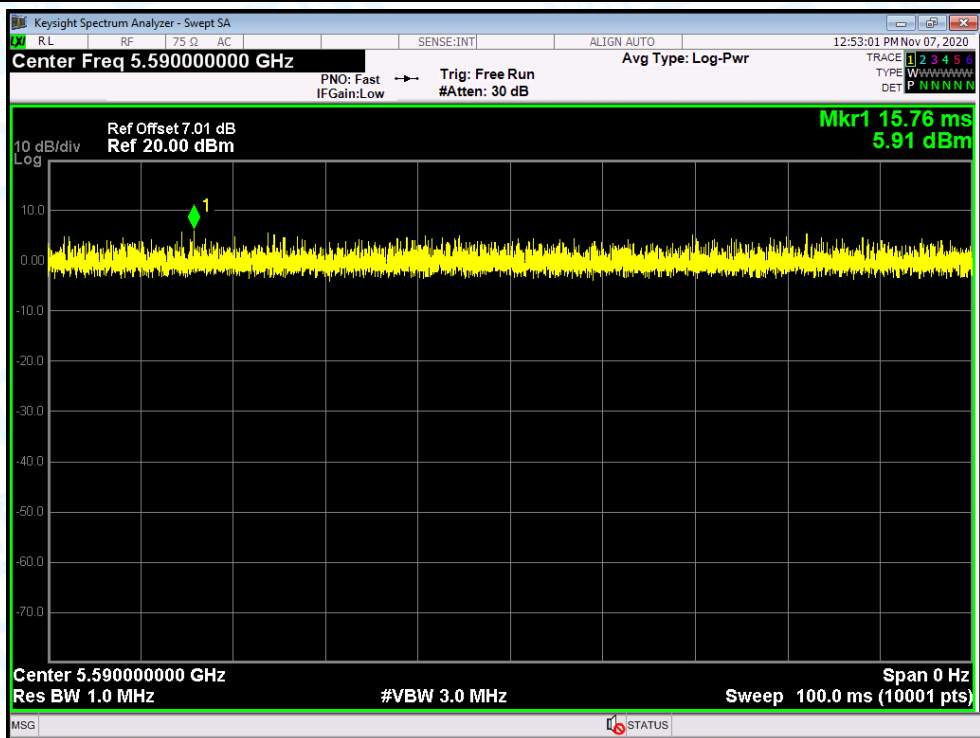
802.11 n(HT20) 5600MHz U-NII-2C



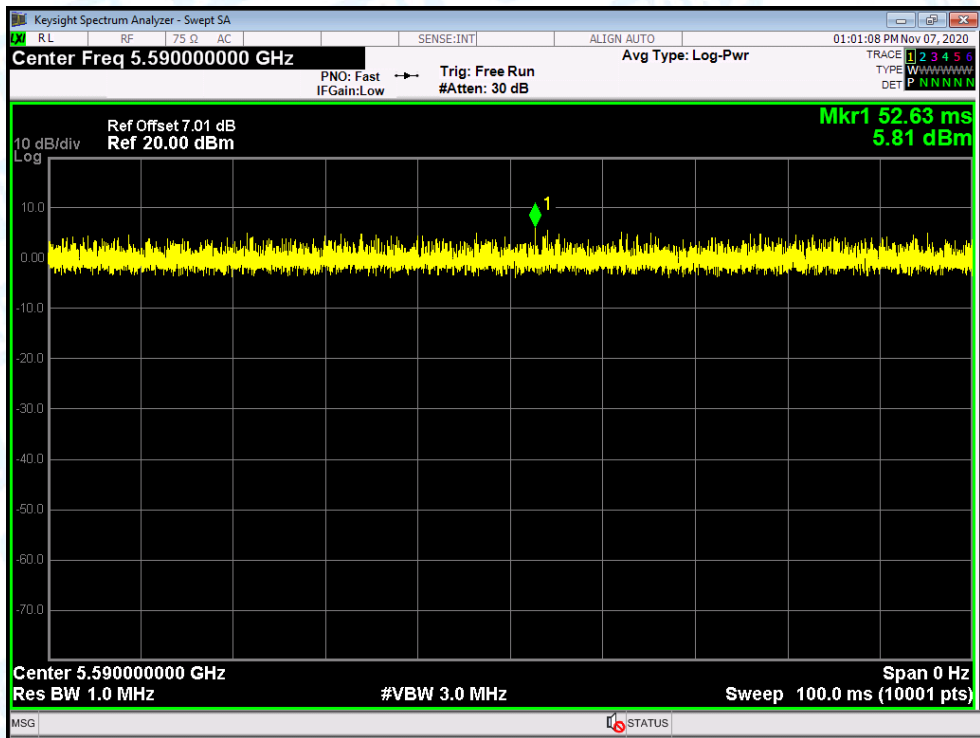
802.11 ac(VHT20) 5600MHz U-NII-2C



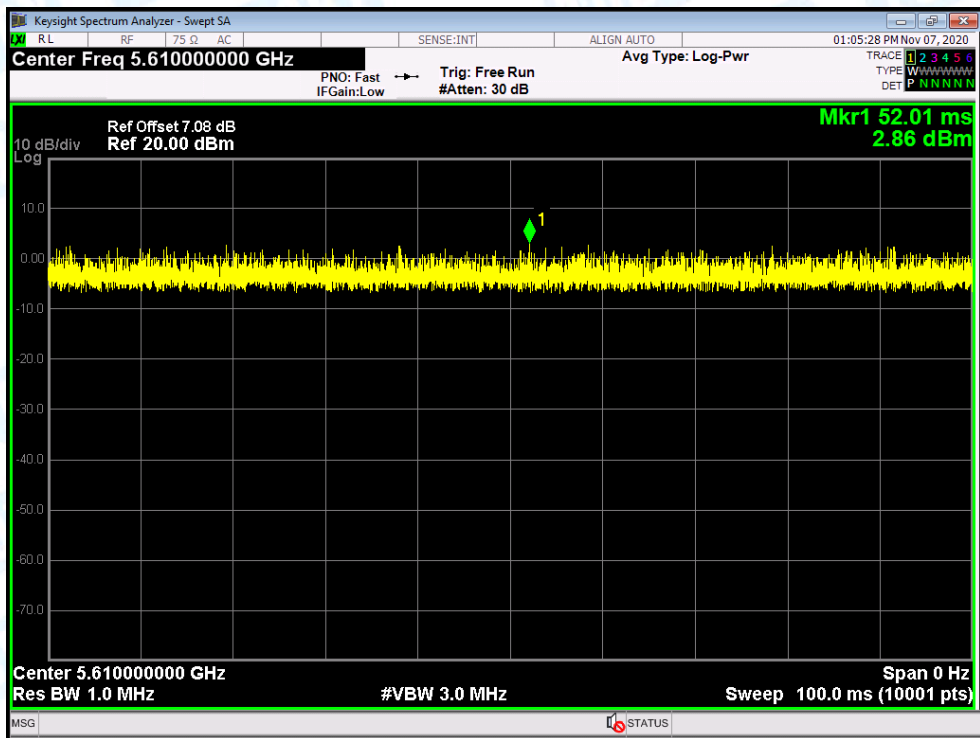
802.11 n(HT40) 5590MHz U-NII-2C



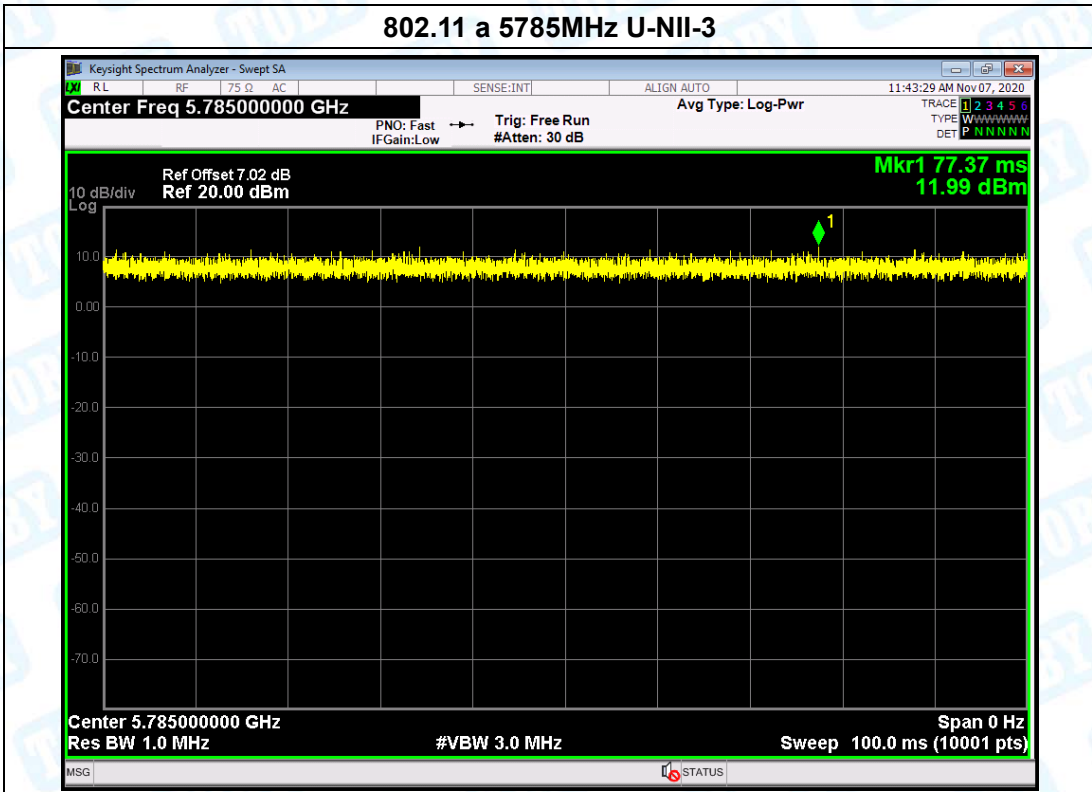
802.11 ac(VHT40) 5590MHz U-NII-2C



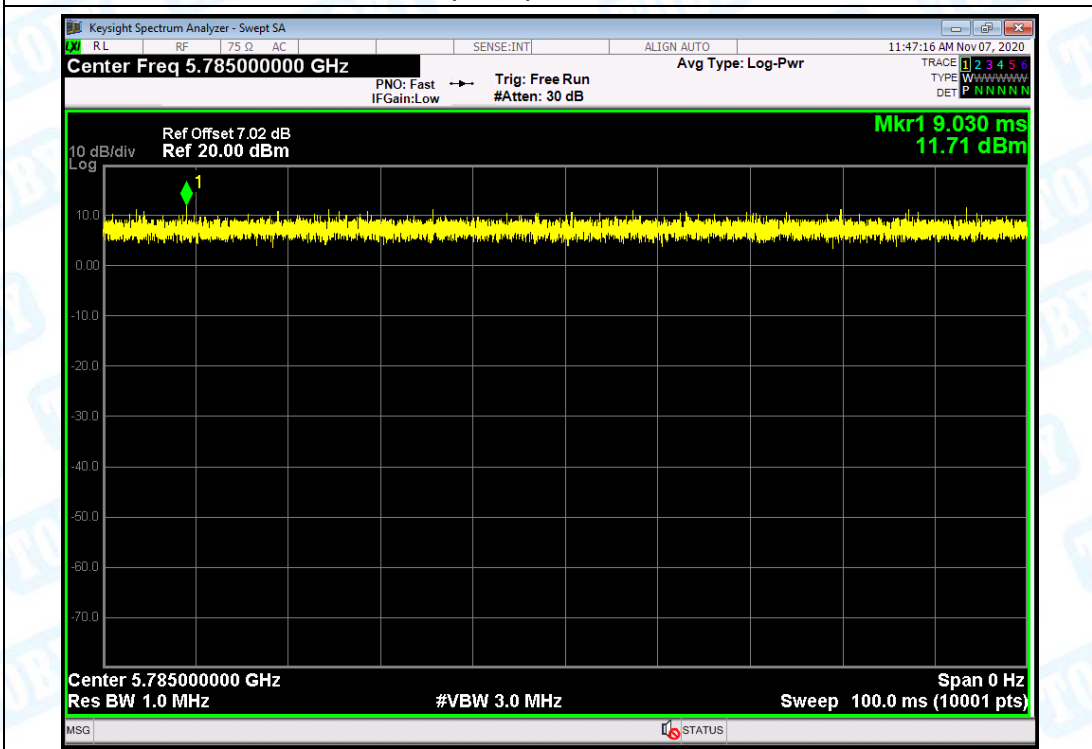
802.11 ac(HT80) 5610MHz U-NII-2C



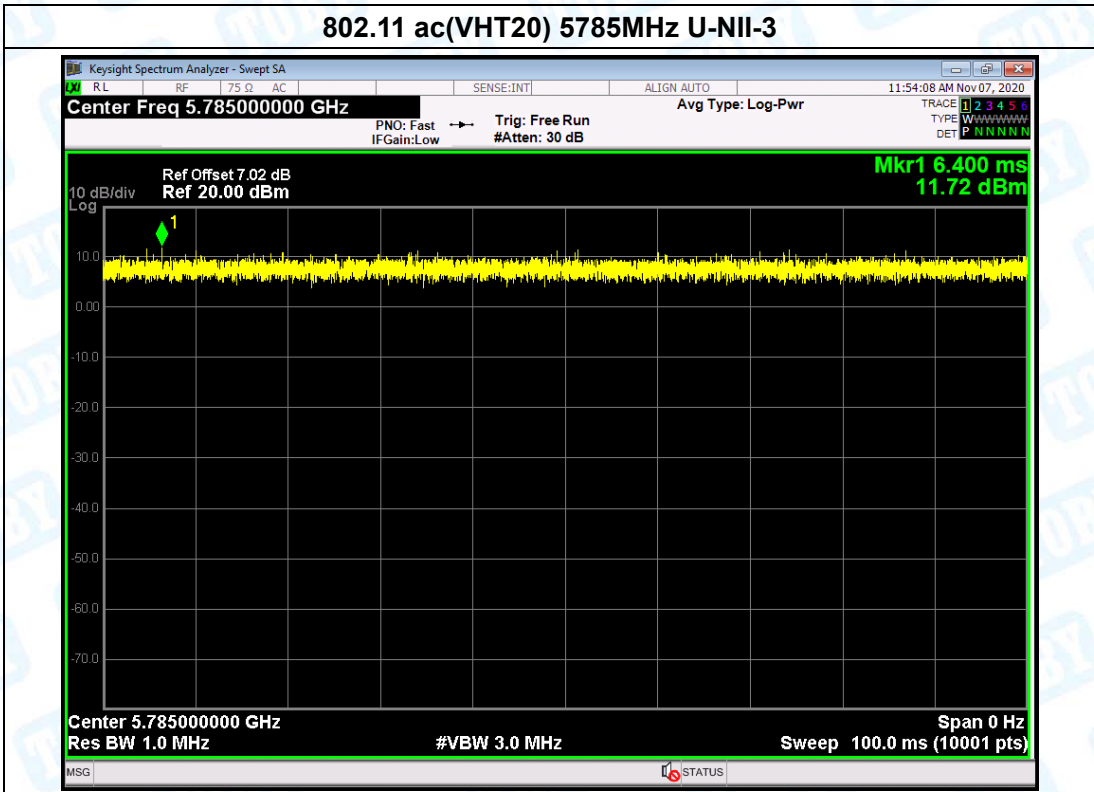
802.11 a 5785MHz U-NII-3



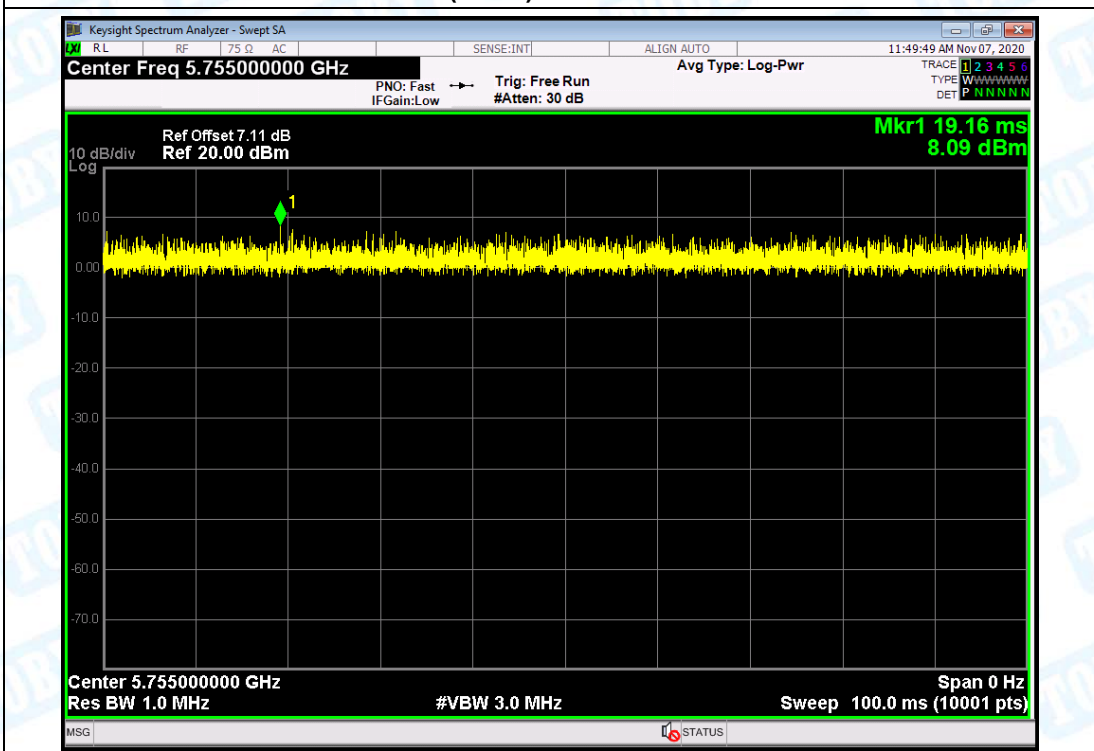
802.11 n(HT20) 5785MHz U-NII-3



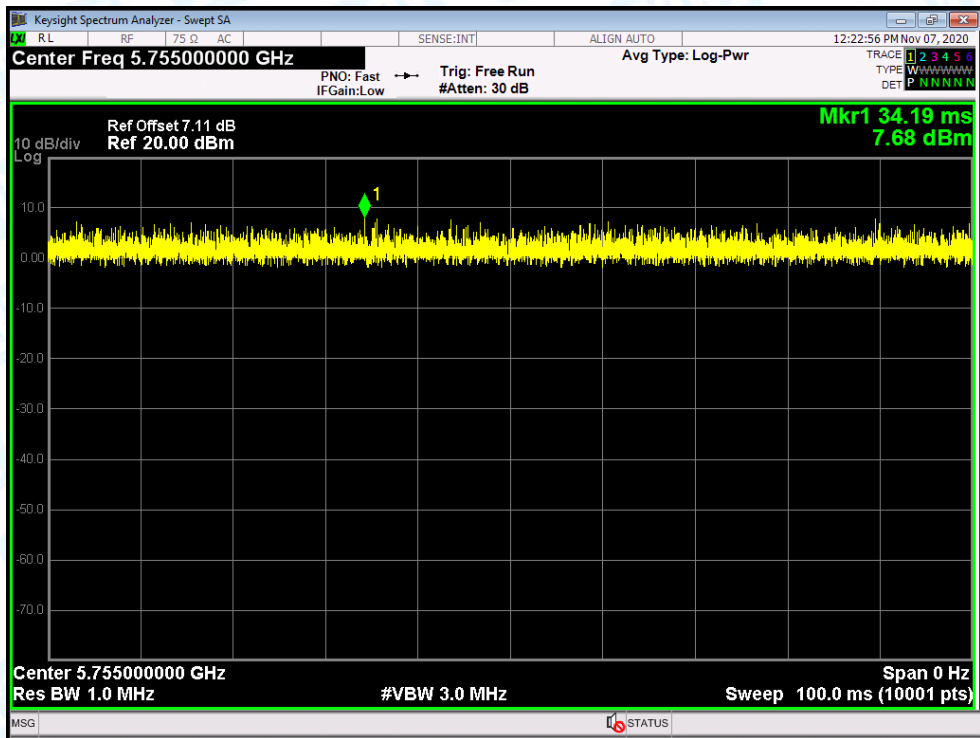
802.11 ac(VHT20) 5785MHz U-NII-3



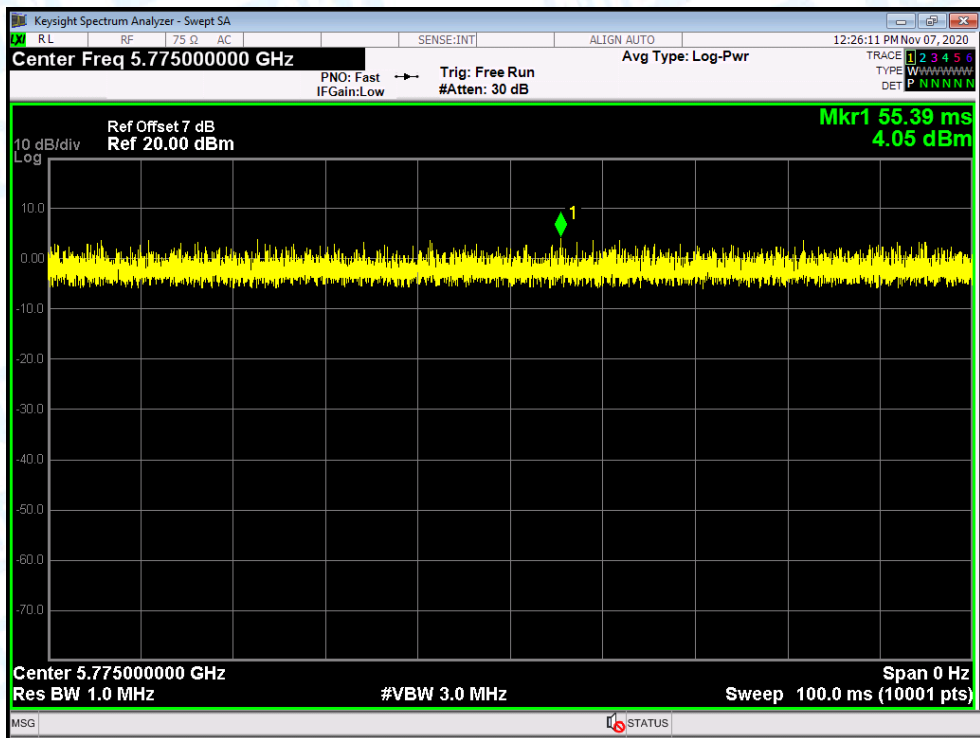
802.11 n(HT40) 5755MHz U-NII-3



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



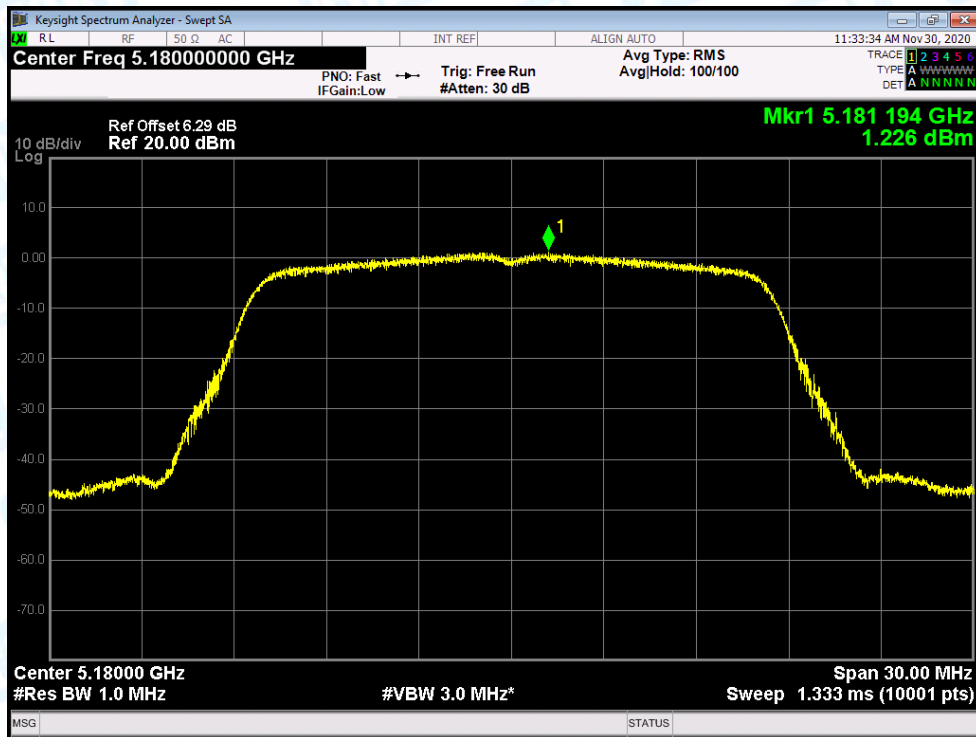
802.11 ac(VHT80) 5775MHz U-NII-3



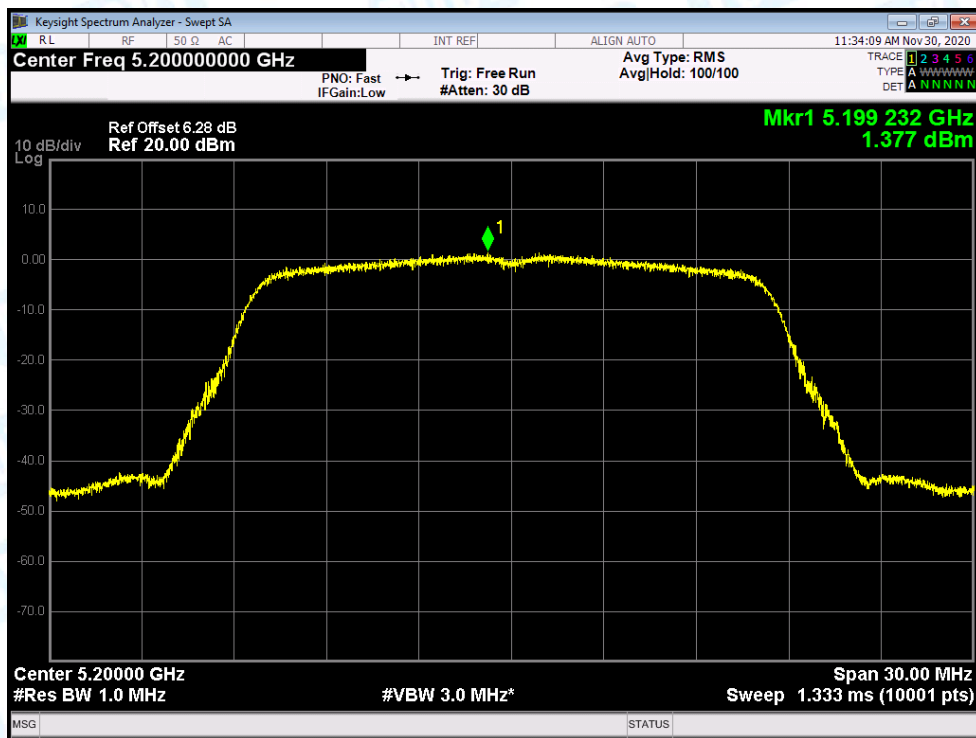
Attachment F-- Power Spectral Density Test Data

Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.8V		
U-NII-1			
Test Mode	Frequency (MHz)	Test Data	
		Power Density (dBm/MHz)	
802.11a	5180	1.226	
	5200	1.377	
	5240	1.223	
802.11n (HT20)	5180	-0.16	
	5200	-0.183	
	5240	-0.015	
802.11ac (VHT20)	5180	-0.16	
	5200	-0.183	
	5240	-0.015	
802.11n (HT40)	5190	-2.842	
	5230	-2.707	
802.11ac(VHT40)	5190	-3.08	
	5230	-2.878	
802.11ac(VHT80)	5210	-6.461	
Result: PASS			
Remark: the Directional Gain=0.42dBi<6 dBi. So $P_{out} = P_{limit}$			
Test plots please refer to below pages:			

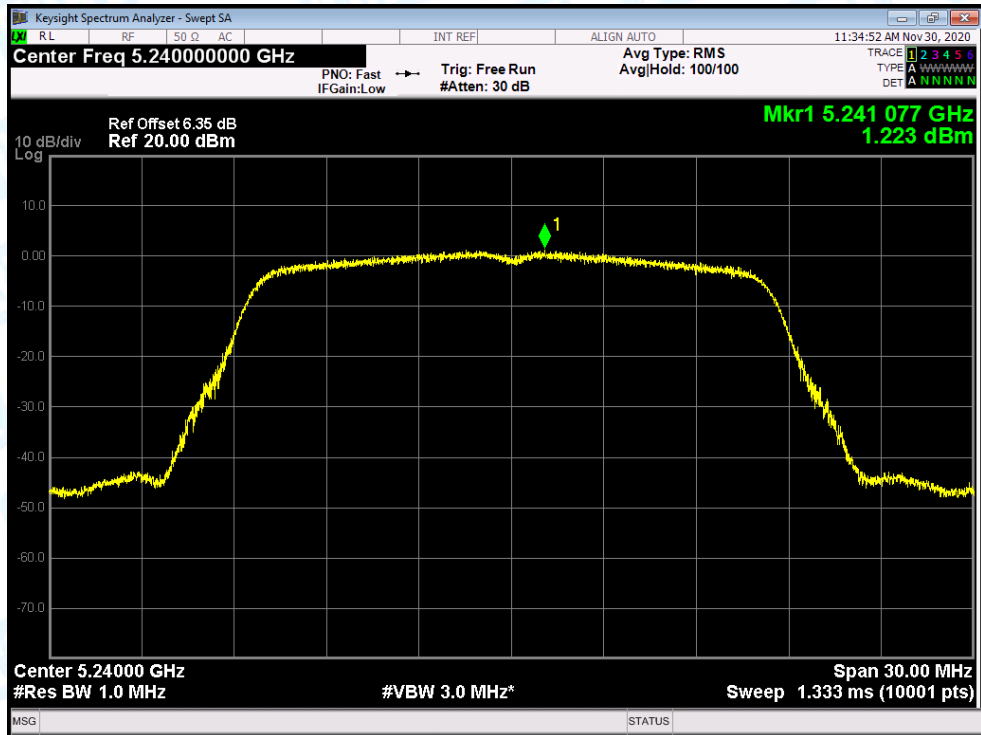
PSD NVNT a 5180MHz Ant1



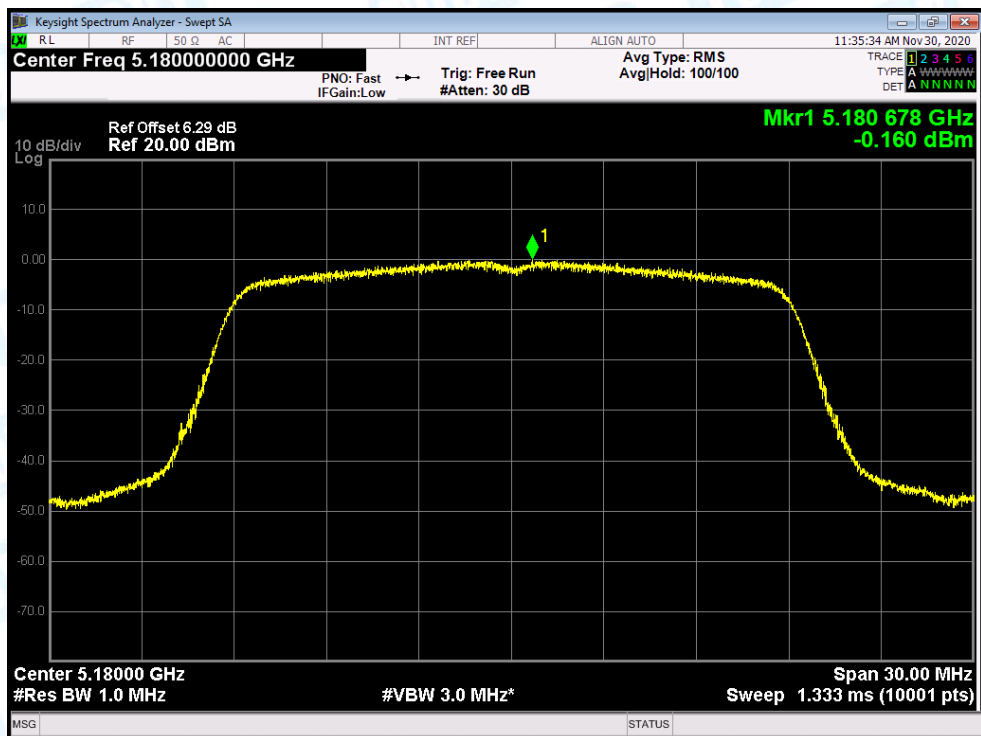
PSD NVNT a 5200MHz Ant1



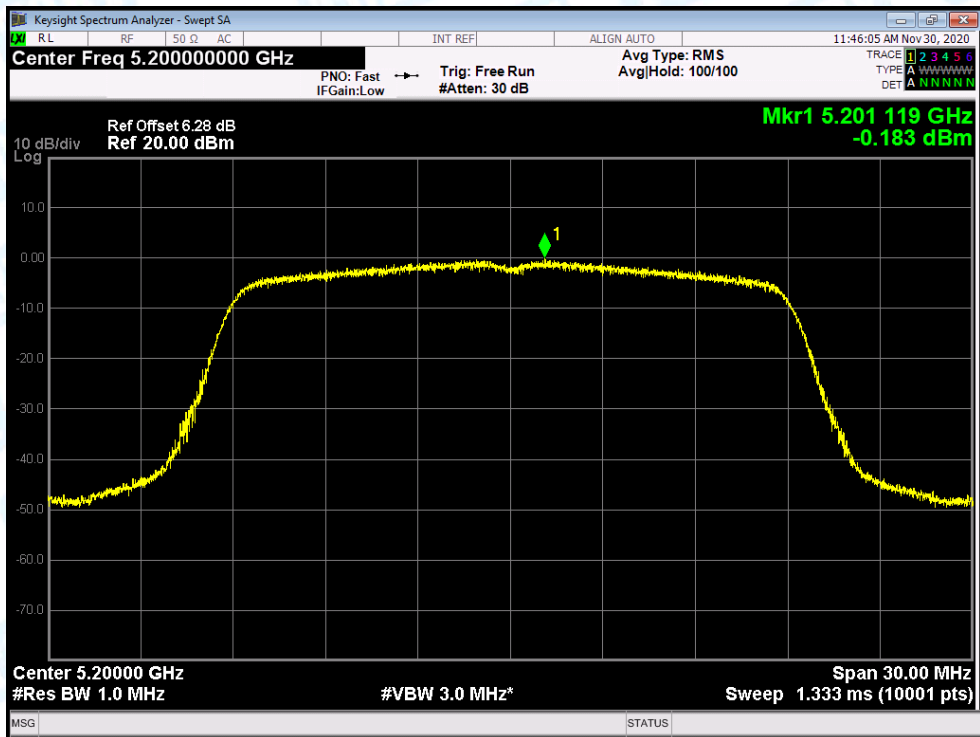
PSD NVNT a 5240MHz Ant1



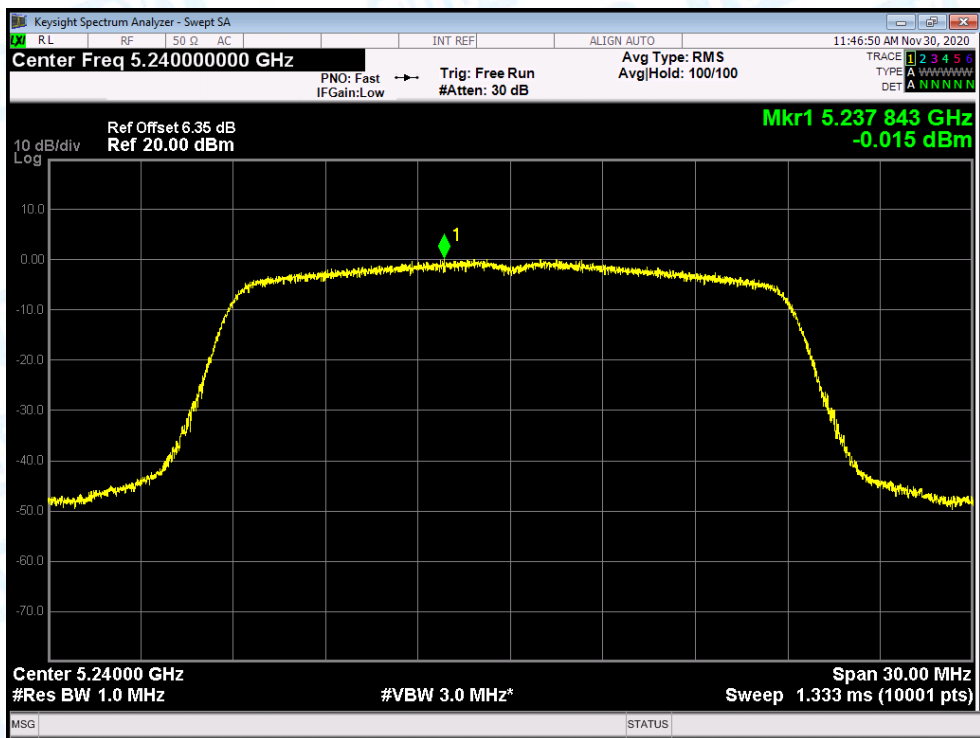
PSD NVNT n20 5180MHz Ant1



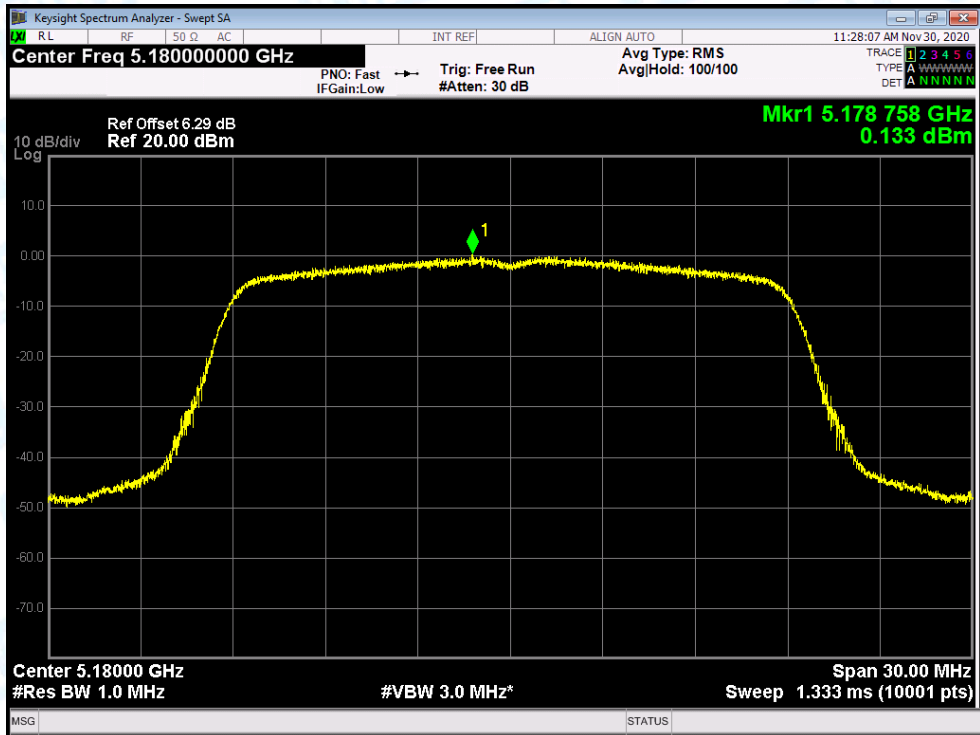
PSD NVNT n20 5200MHz Ant1



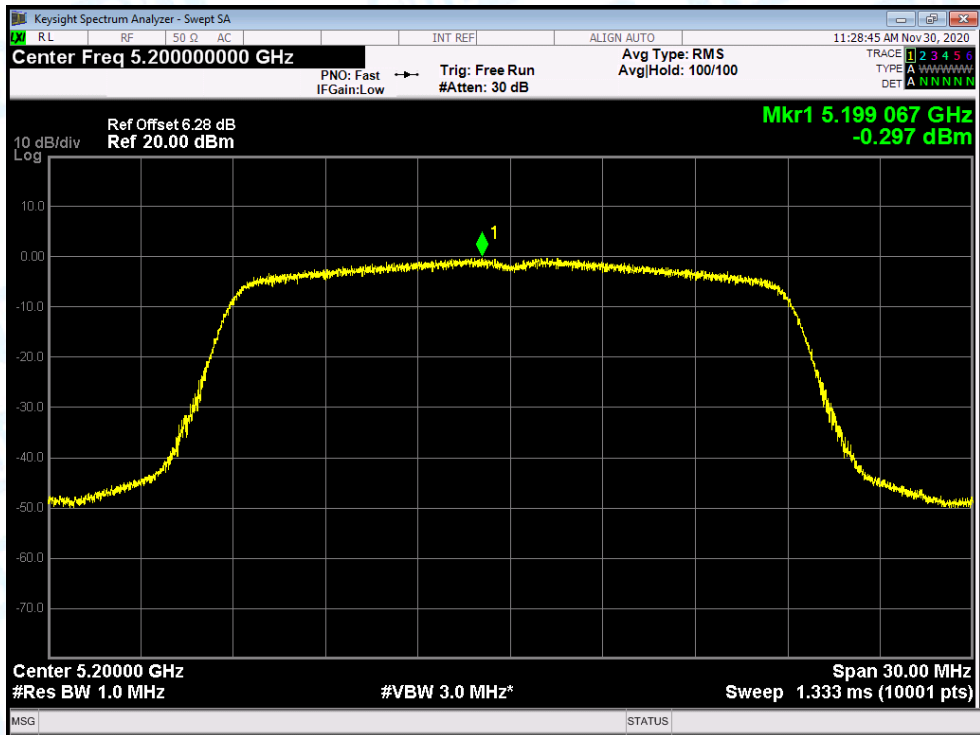
PSD NVNT n20 5240MHz Ant1



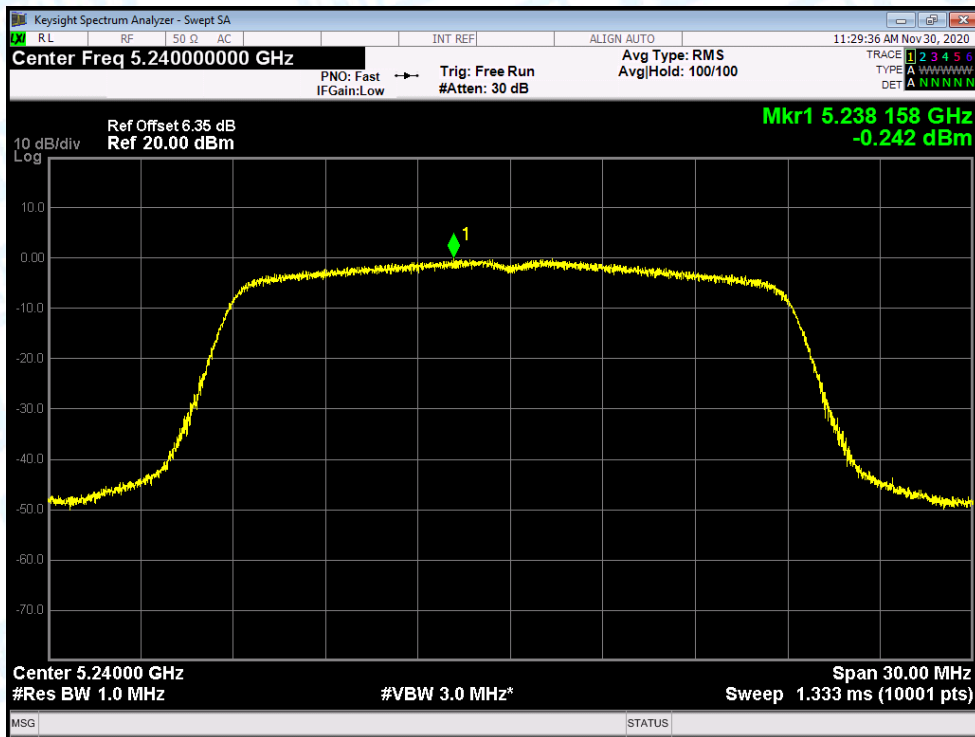
PSD NVNT ac20 5180MHz Ant1



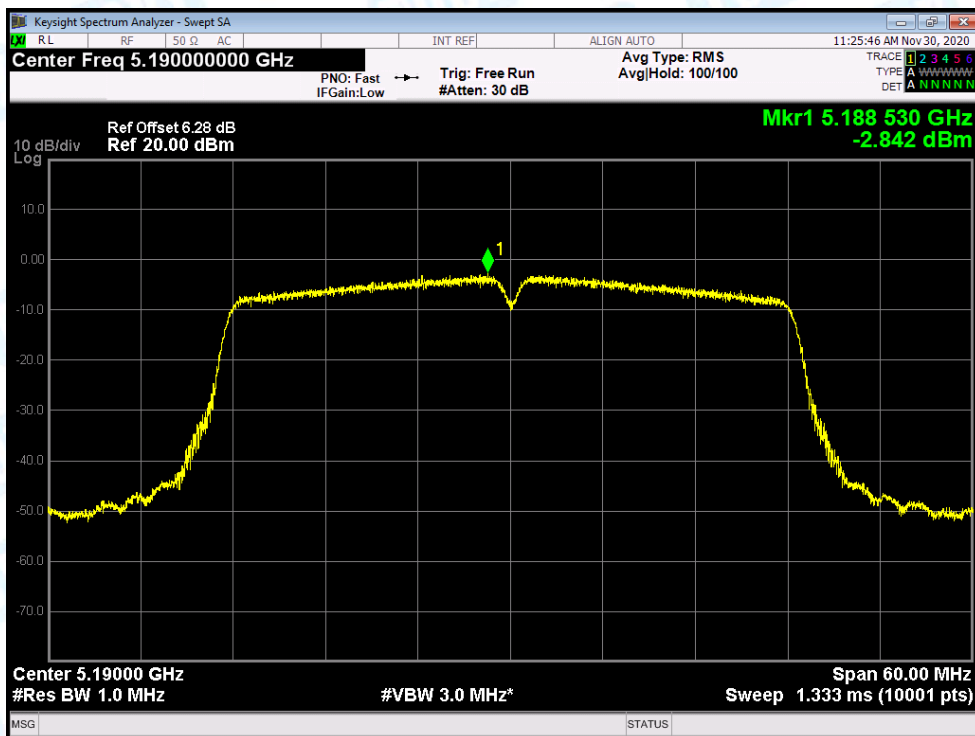
PSD NVNT ac20 5200MHz Ant1



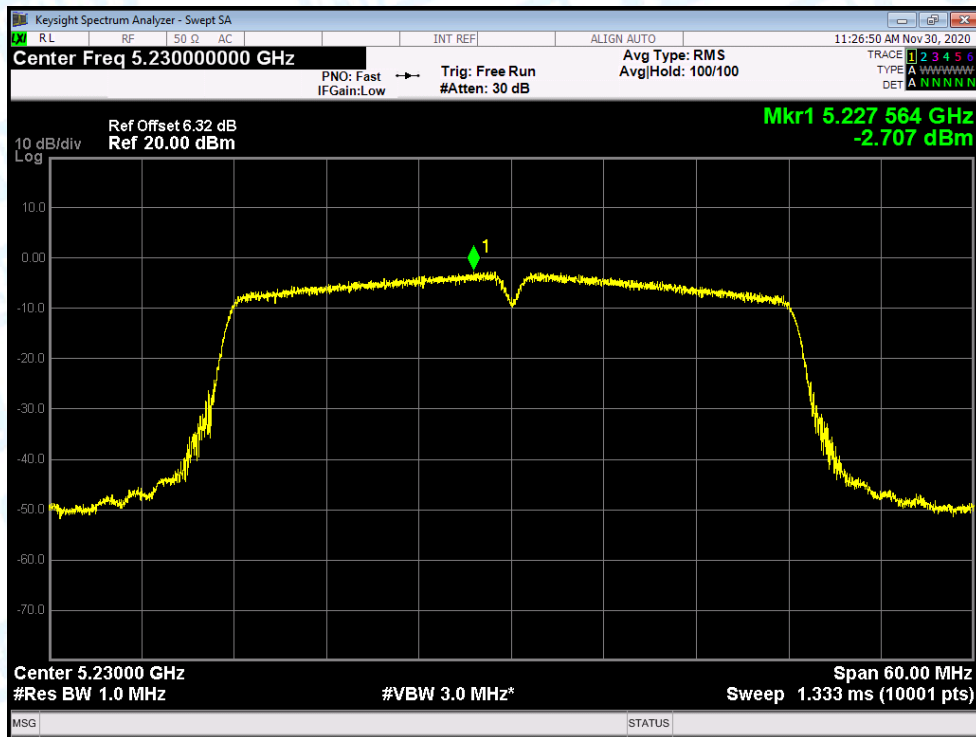
PSD NVNT ac20 5240MHz Ant1



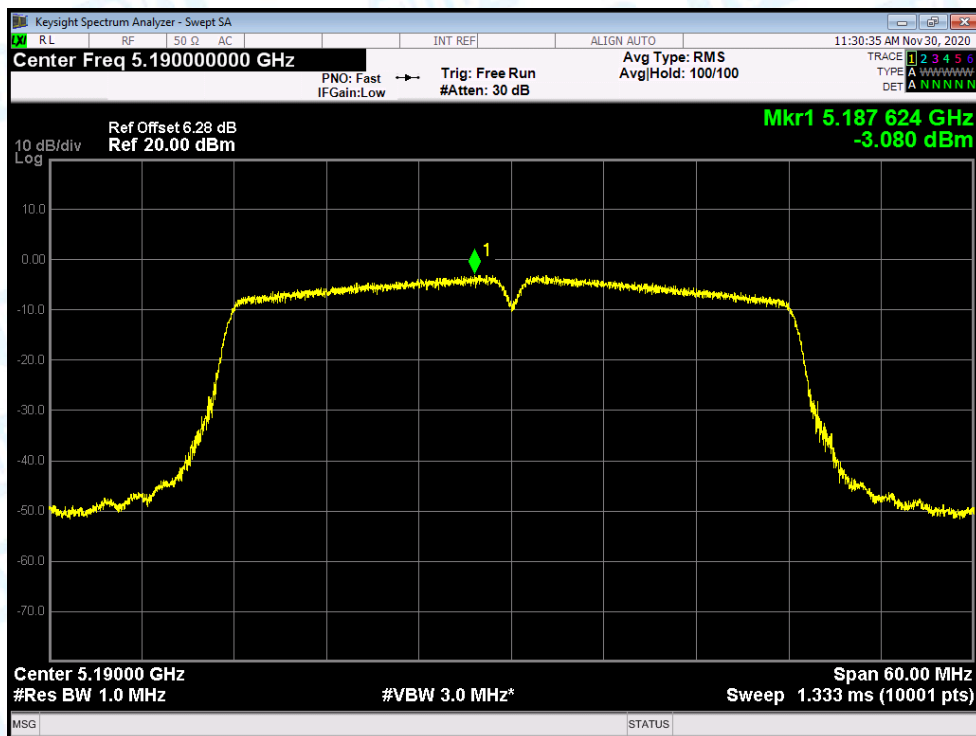
PSD NVNT n40 5190MHz Ant1



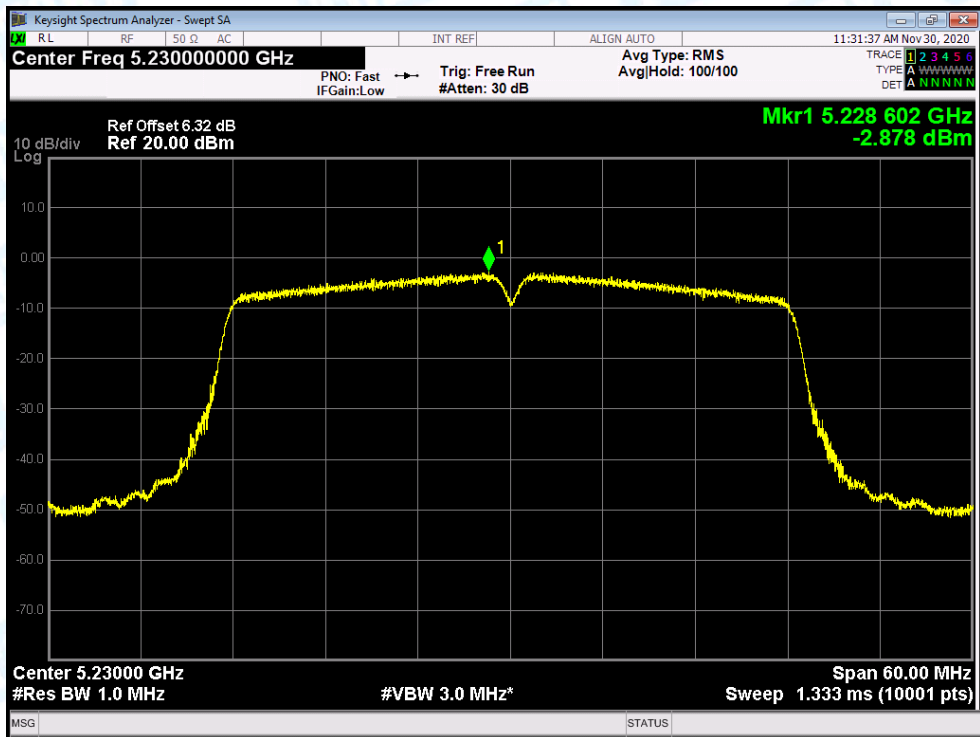
PSD NVNT n40 5230MHz Ant1



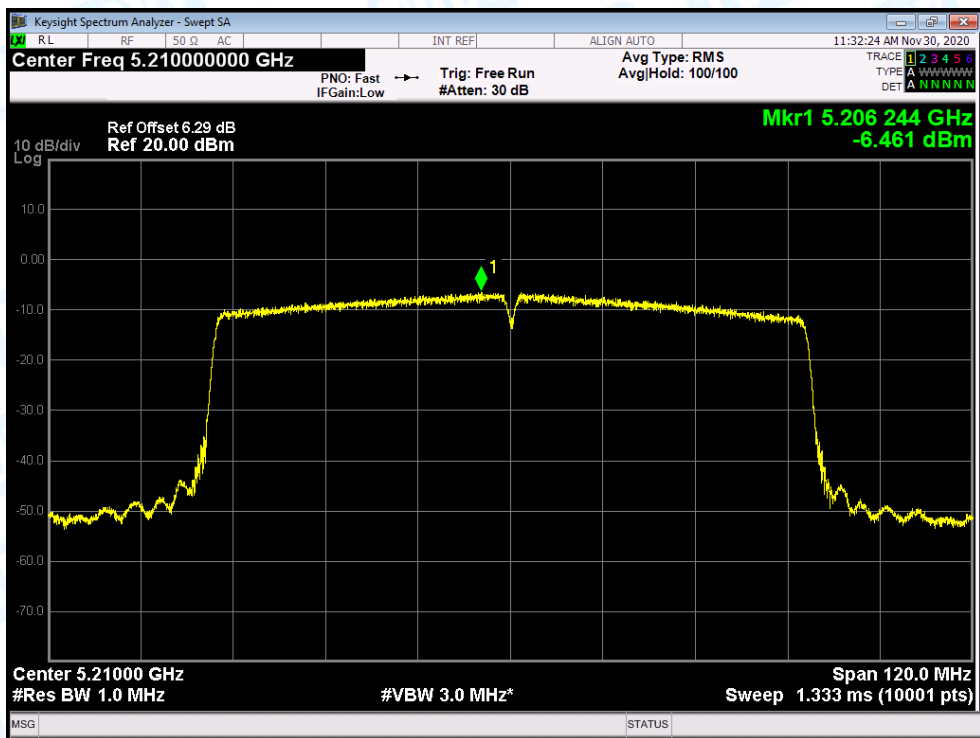
PSD NVNT ac40 5190MHz Ant1



PSD NVNT ac40 5230MHz Ant1

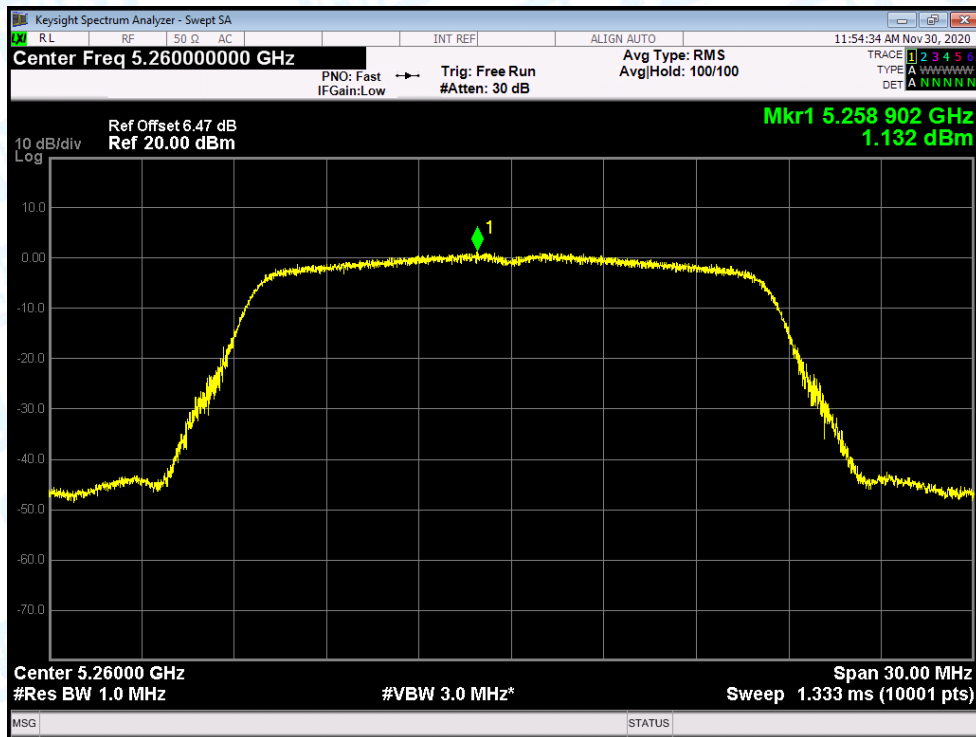


PSD NVNT ac80 5210MHz Ant1

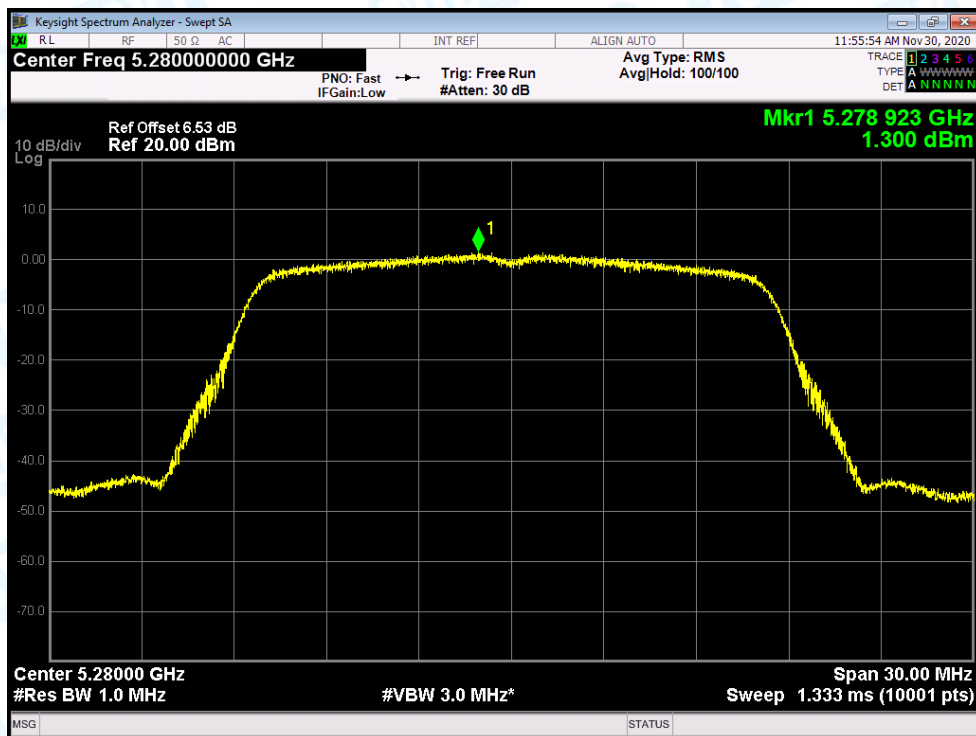


Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.8V		
U-NII-2A			
Test Mode	Frequency (MHz)	Test Data	Limit (dBm/MHz)
		Power Density (dBm/MHz)	
802.11a	5260	1.132	11
	5280	1.300	
	5320	1.743	
802.11n (HT20)	5260	-0.320	
	5280	-0.019	
	5320	-0.092	
802.11ac (VHT20)	5260	0.074	
	5280	0.102	
	5320	0.066	
802.11n (HT40)	5270	-2.741	
	5310	1.152	
802.11ac(VHT40)	5270	-2.922	
	5310	-2.763	
802.11ac(VHT80)	5290	-6.578	
Result: PASS			
Remark: the Directional Gain=0.42dBi<6 dBi. So $P_{out} = P_{limit}$			
Test plots please refer to below pages:			

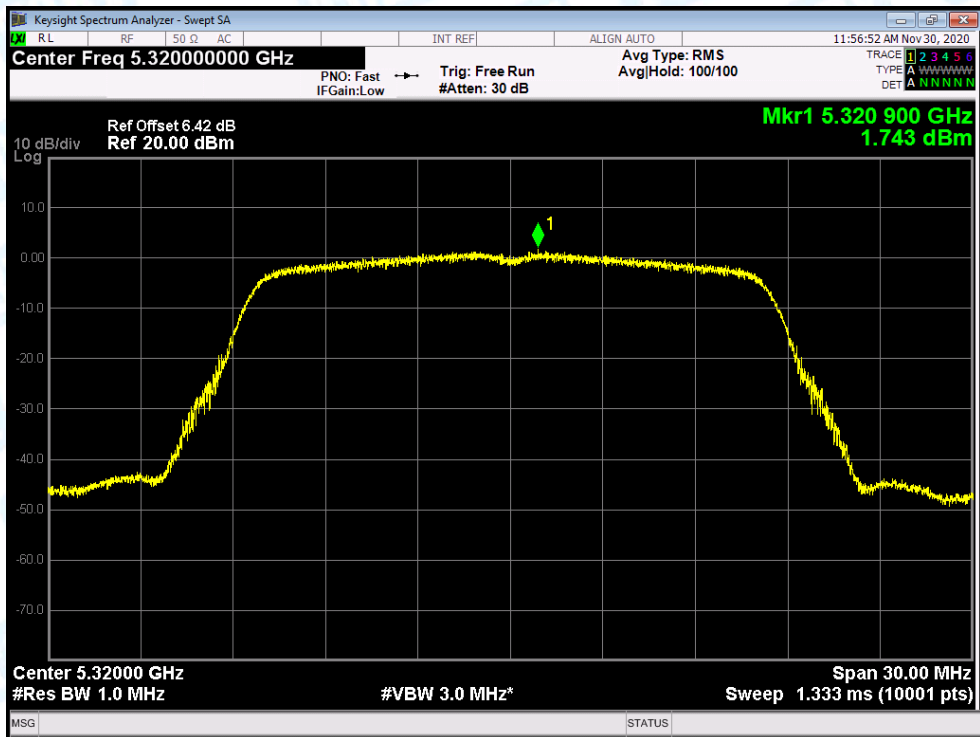
PSD NVNT a 5260MHz Ant1



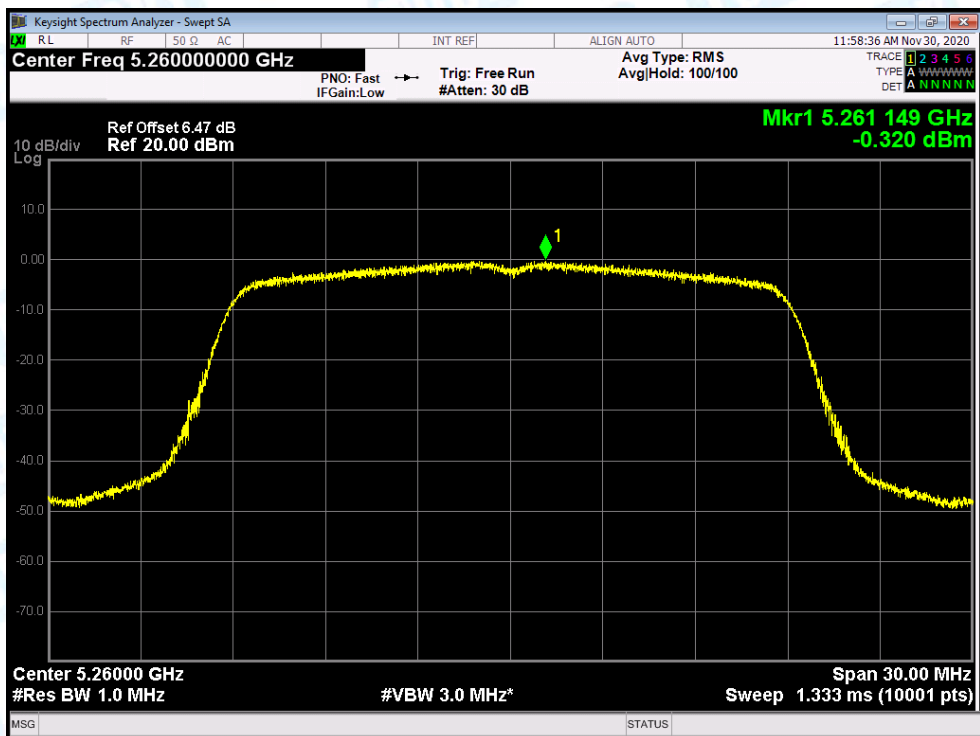
PSD NVNT a 5280MHz Ant1



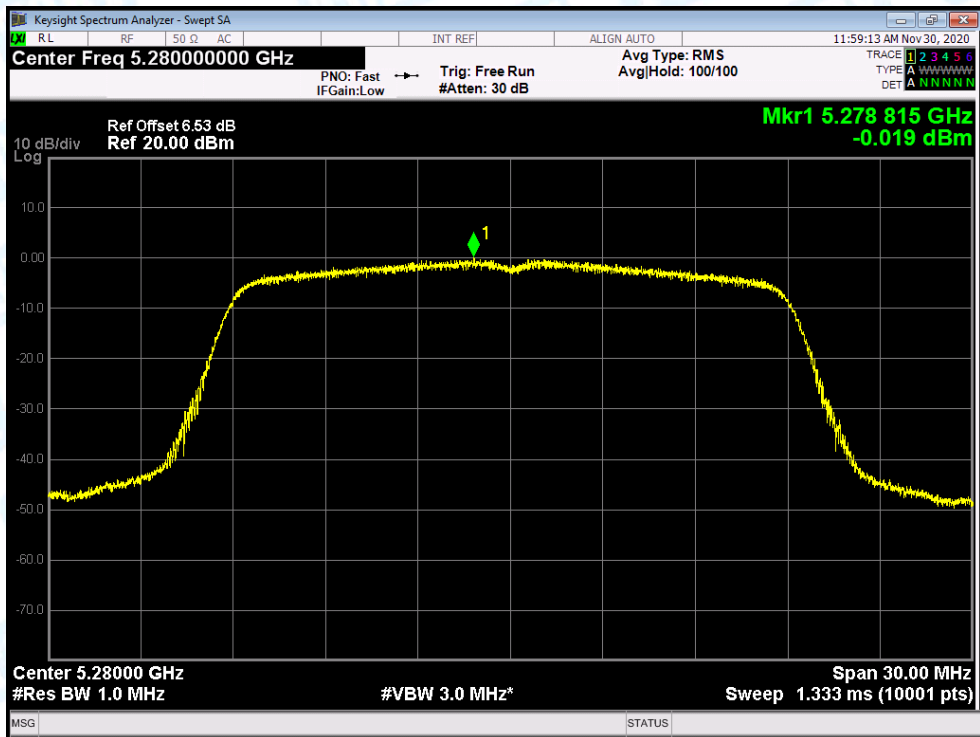
PSD NVNT a 5320MHz Ant1



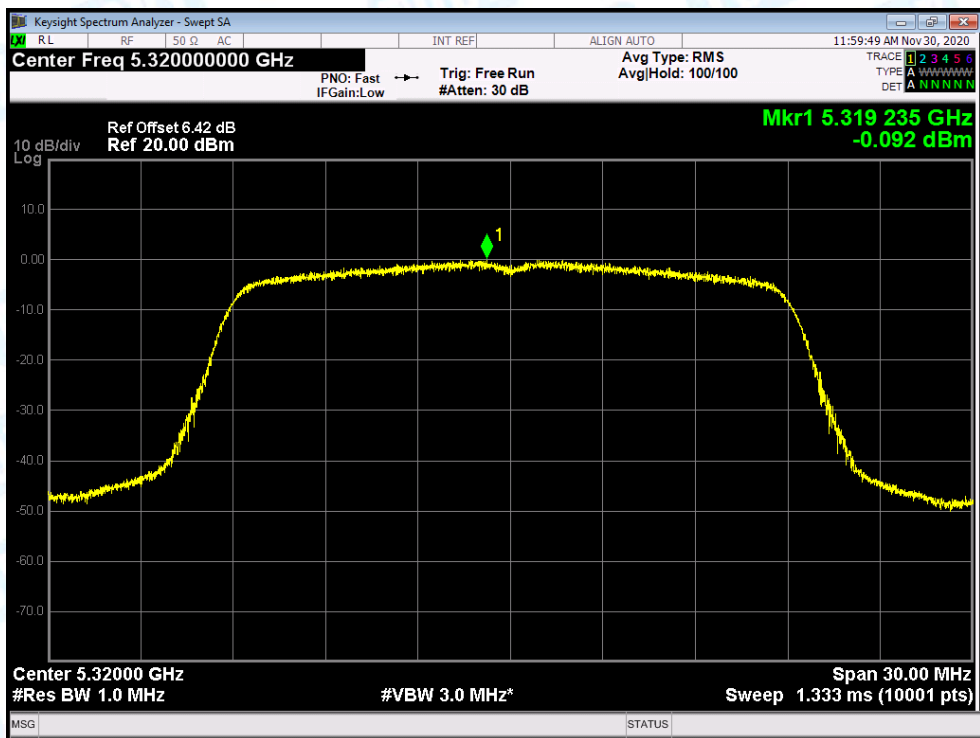
PSD NVNT n20 5260MHz Ant1



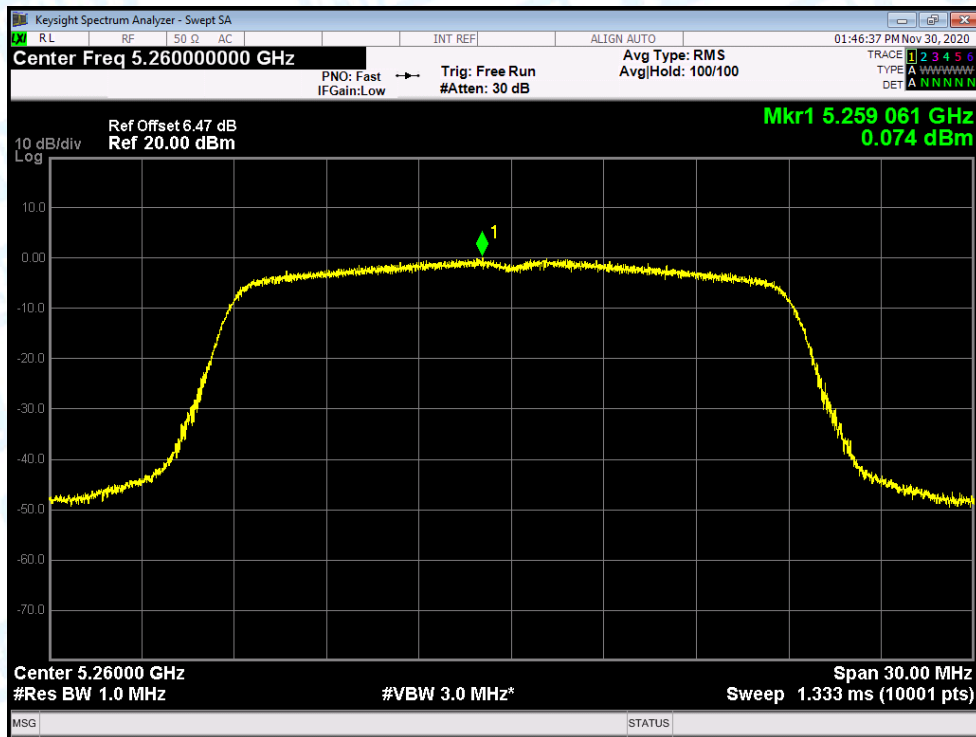
PSD NVNT n20 5280MHz Ant1



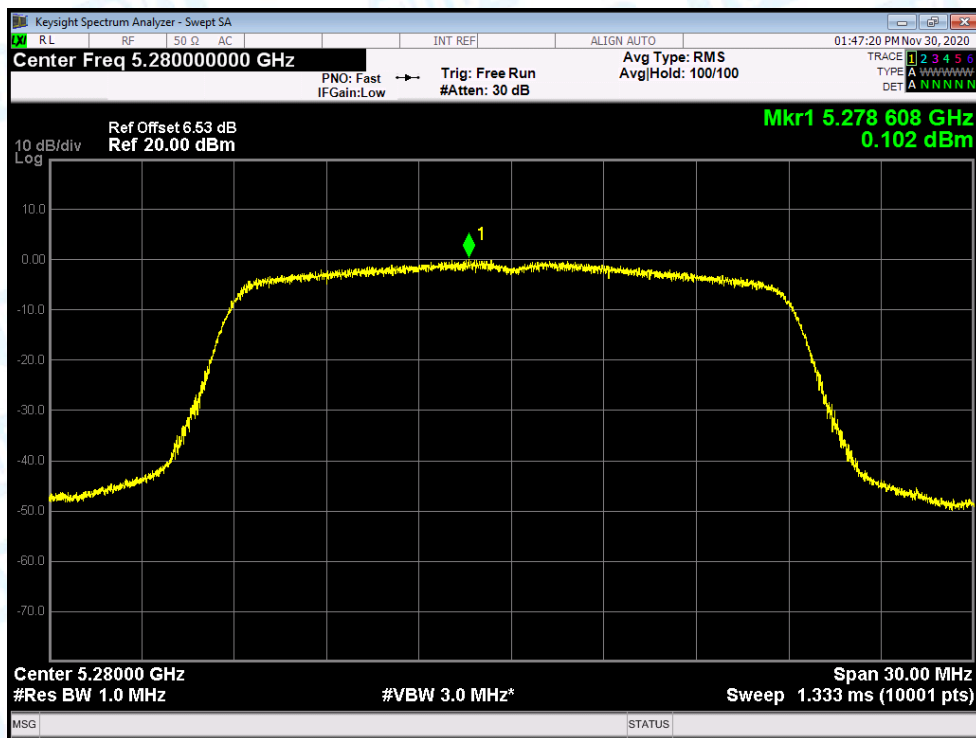
PSD NVNT n20 5320MHz Ant1



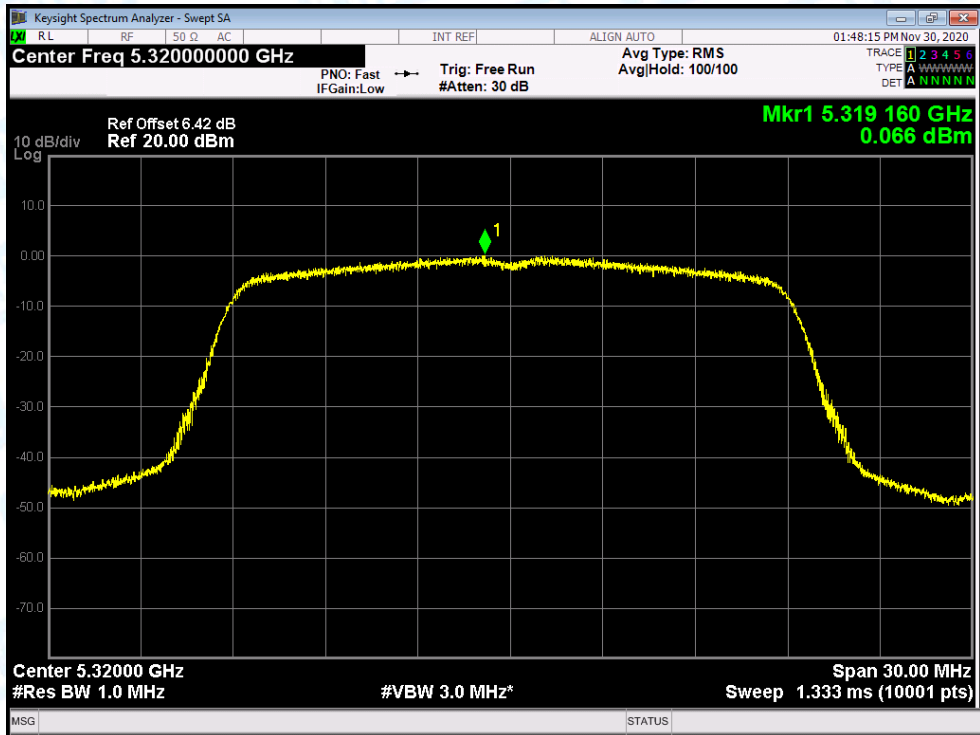
PSD NVNT ac20 5260MHz Ant1



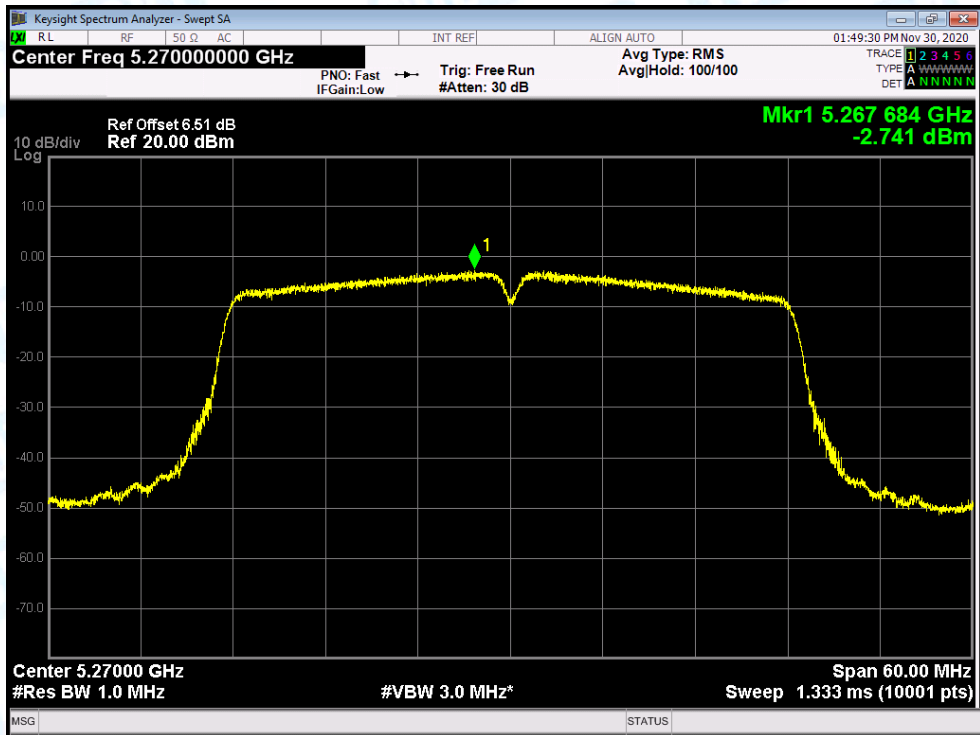
PSD NVNT ac20 5280MHz Ant1



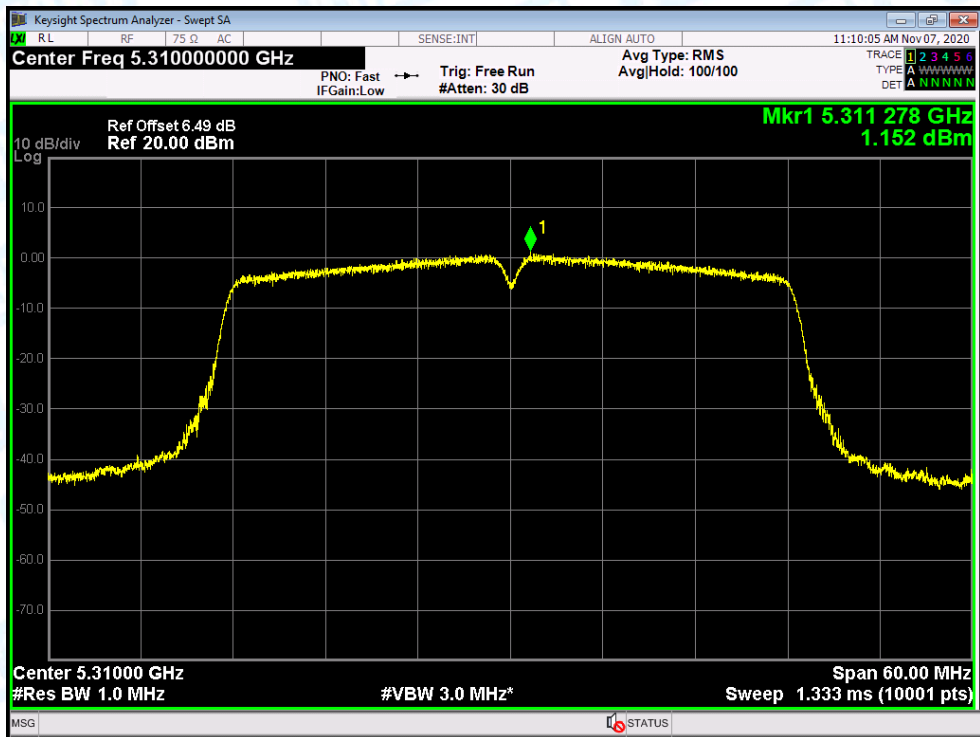
PSD NVNT ac20 5320MHz Ant1



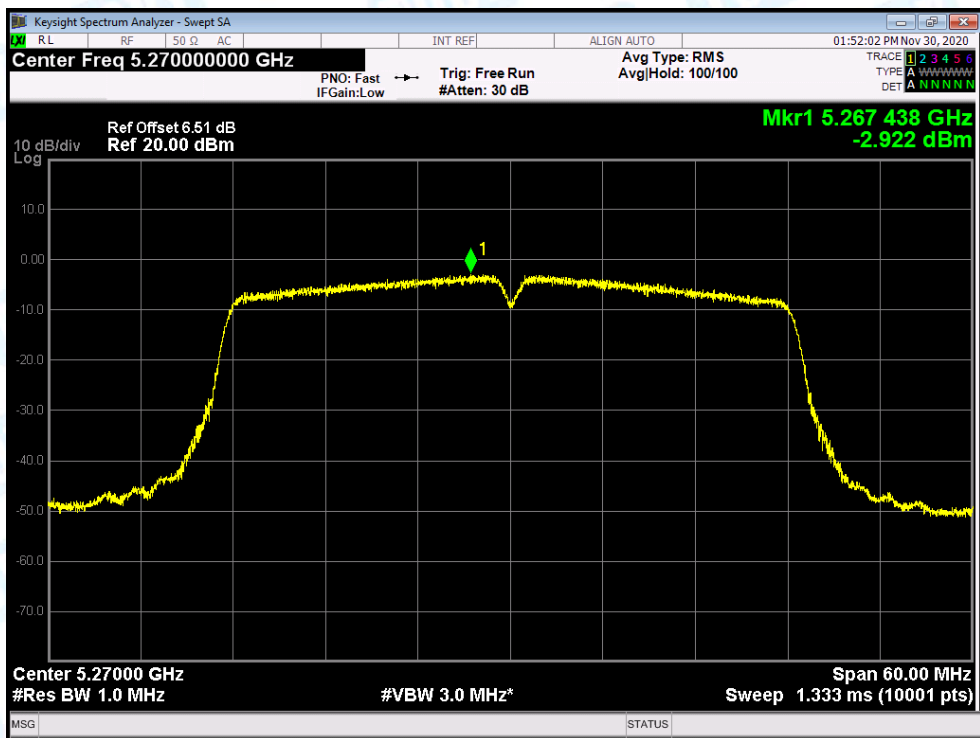
PSD NVNT n40 5270MHz Ant1



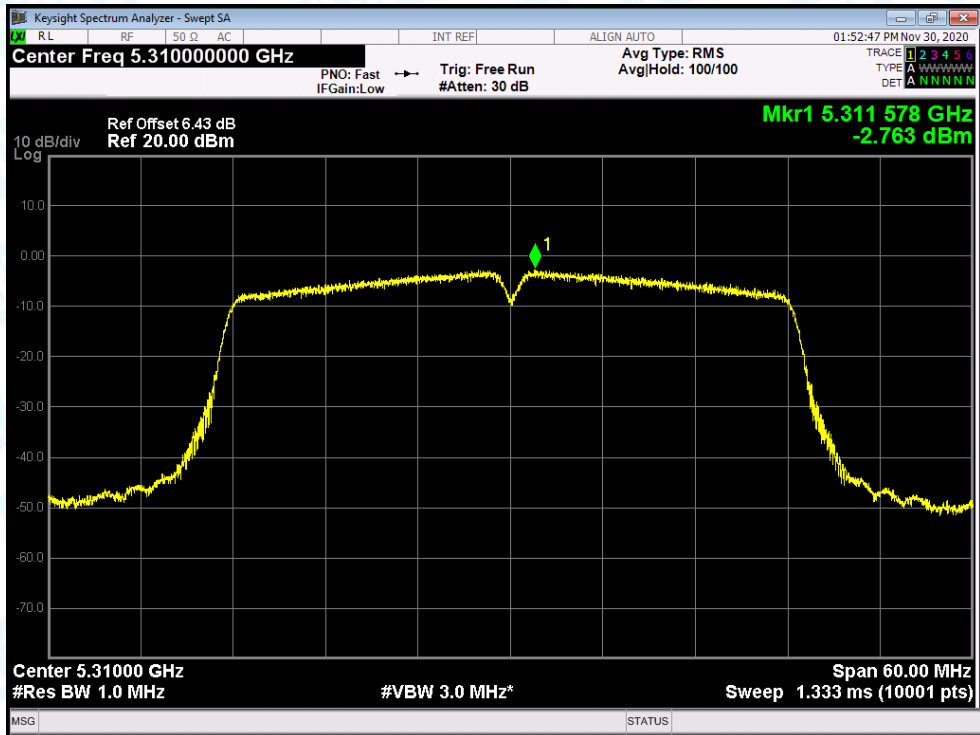
PSD NVNT n40 5310MHz Ant1



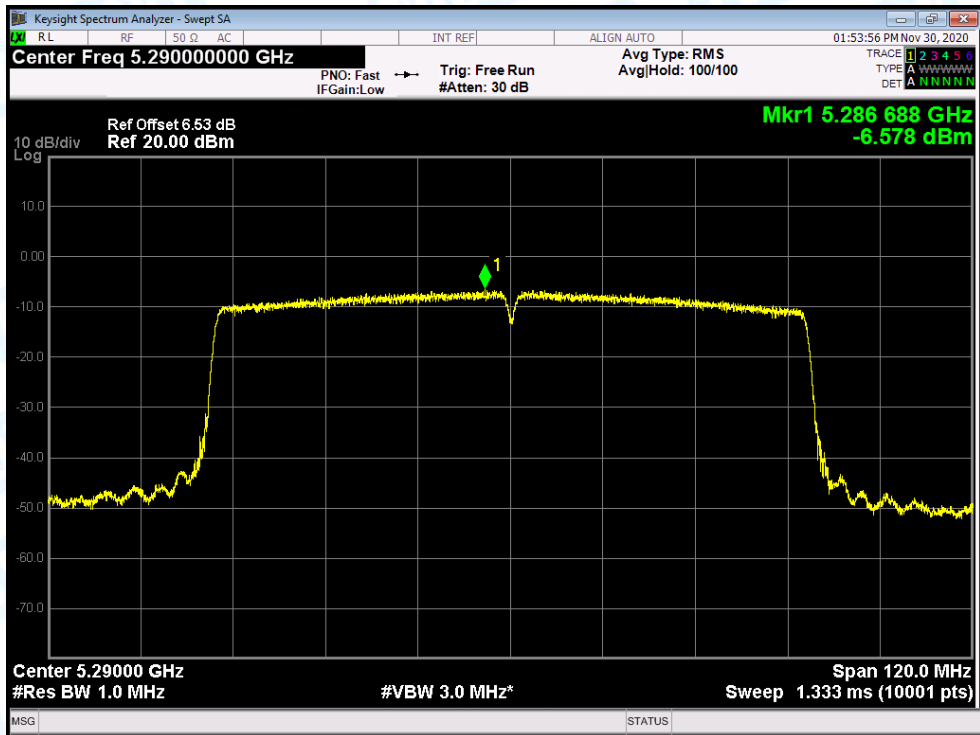
PSD NVNT ac40 5270MHz Ant1



PSD NVNT ac40 5310MHz Ant1

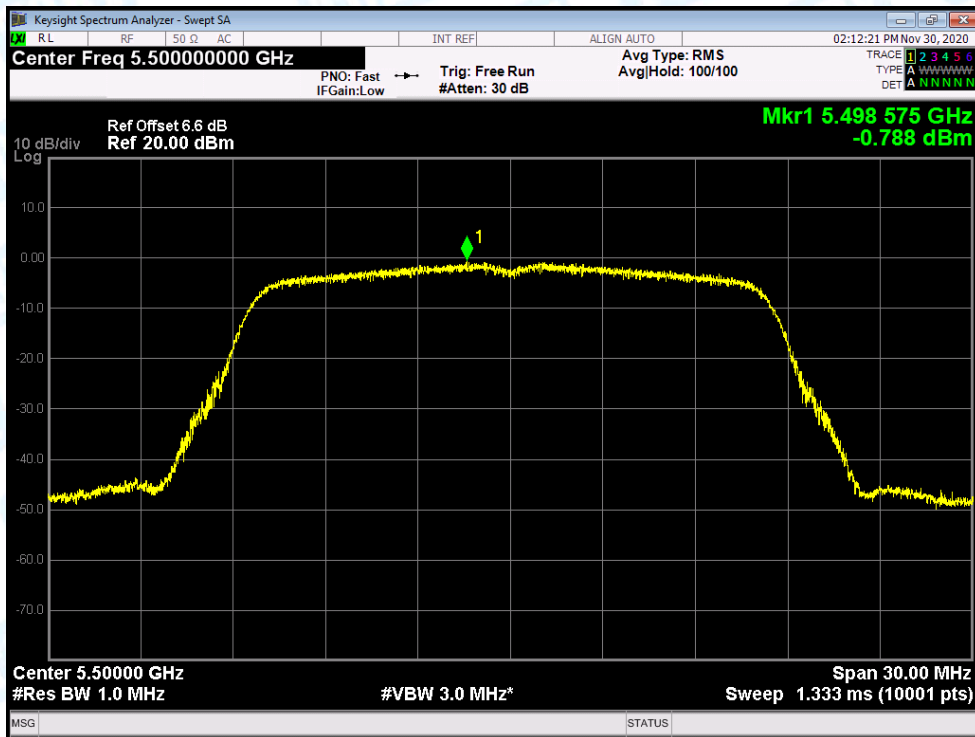


PSD NVNT ac80 5290MHz Ant1

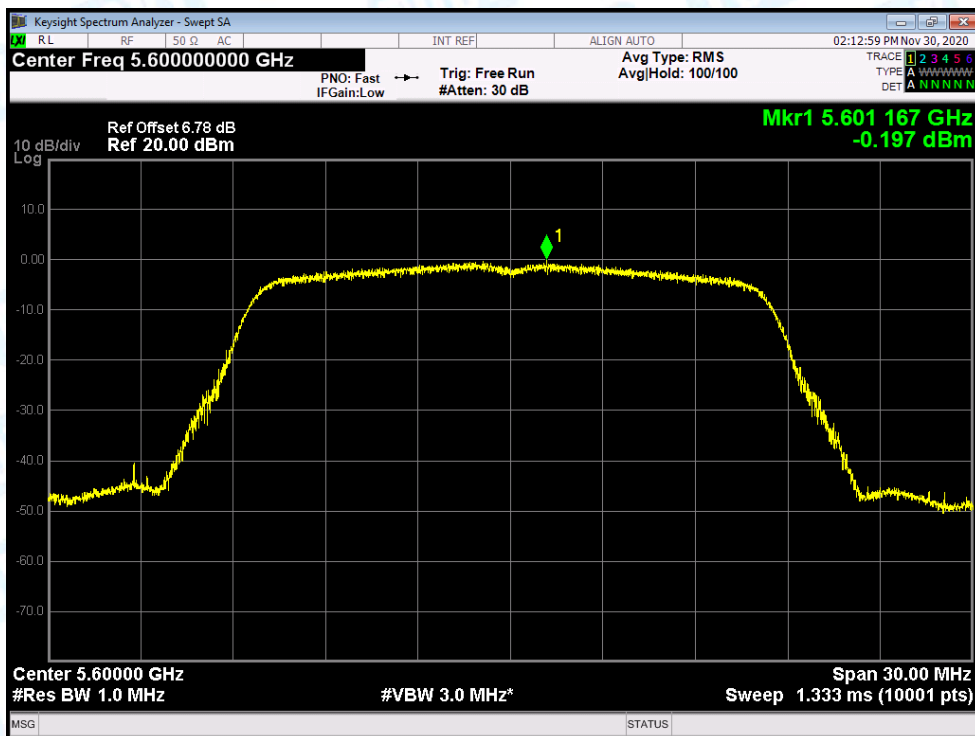


Temperature:	25 °C	Relative Humidity:	55%	
Test Voltage:	DC 3.8V			
U-NII-2C				
Test Mode	Frequency (MHz)	Test Data		
		Power Density (dBm/MHz)		
Limit (dBm/MHz)				
802.11a	5500	-0.788		11
	5600	-0.197		
	5720	0.265		
802.11n (HT20)	5500	-1.042		
	5600	-1.923		
	5720	-0.275		
802.11ac (VHT20)	5500	-2.097		
	5600	-1.806		
	5720	-0.395		
802.11n (HT40)	5510	-4.89		
	5590	-4.403		
	5710	-4.671		
802.11ac(VHT40)	5510	-4.824		
	5590	-4.342		
	5710	-3.987		
802.11ac(VHT80)	5530	-7.878		
	5610	-7.774		
	5690	-6.207		
Result: PASS				
Remark: the Directional Gain=0.42dBi<6 dBi. So $P_{out} = P_{limit}$				
Test plots please refer to below pages:				

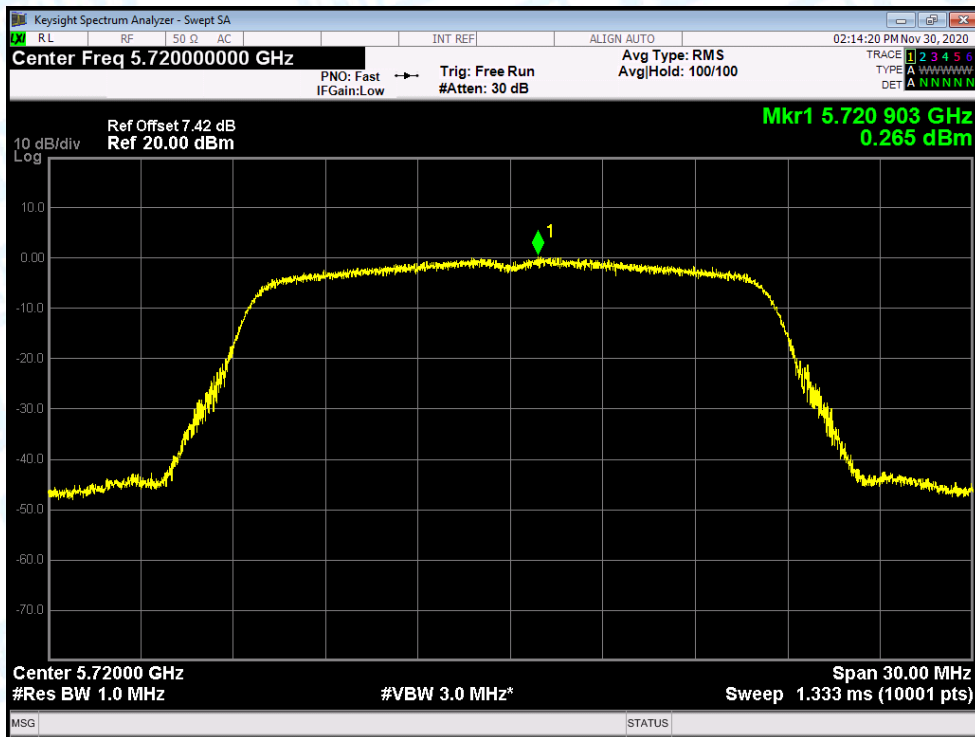
PSD NVNT a 5500MHz Ant1



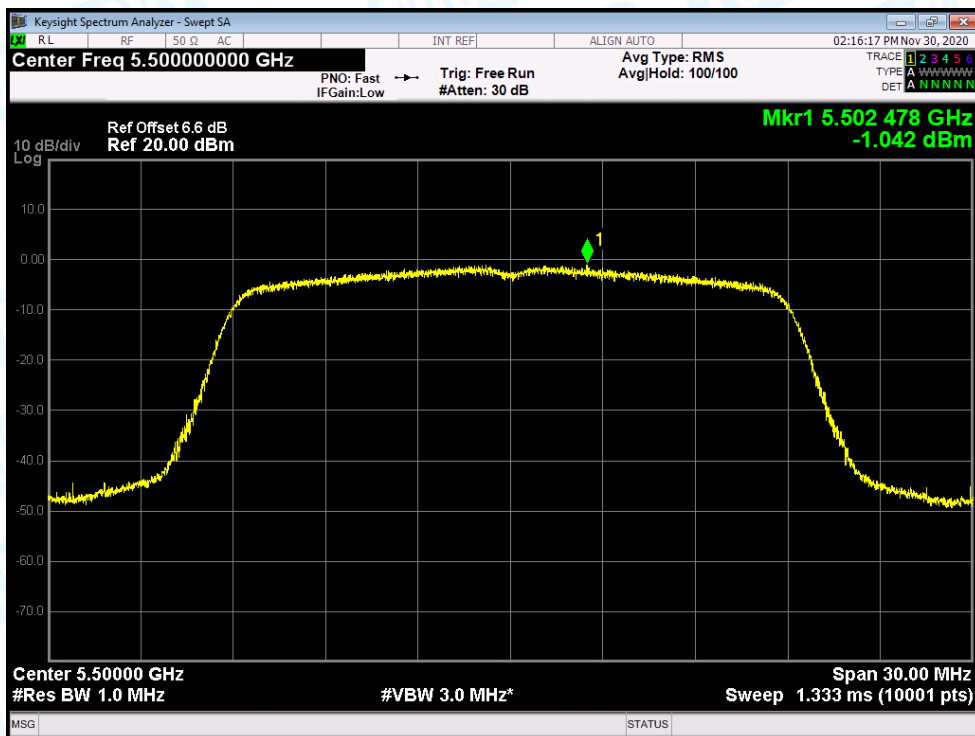
PSD NVNT a 5600MHz Ant1



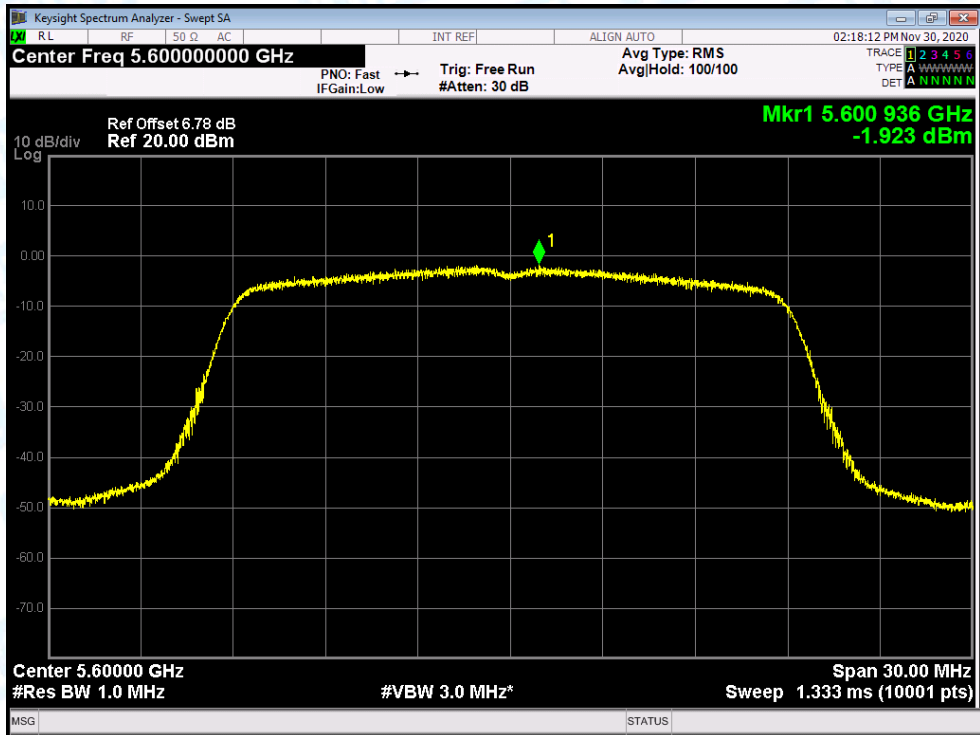
PSD NVNT a 5720MHz Ant1



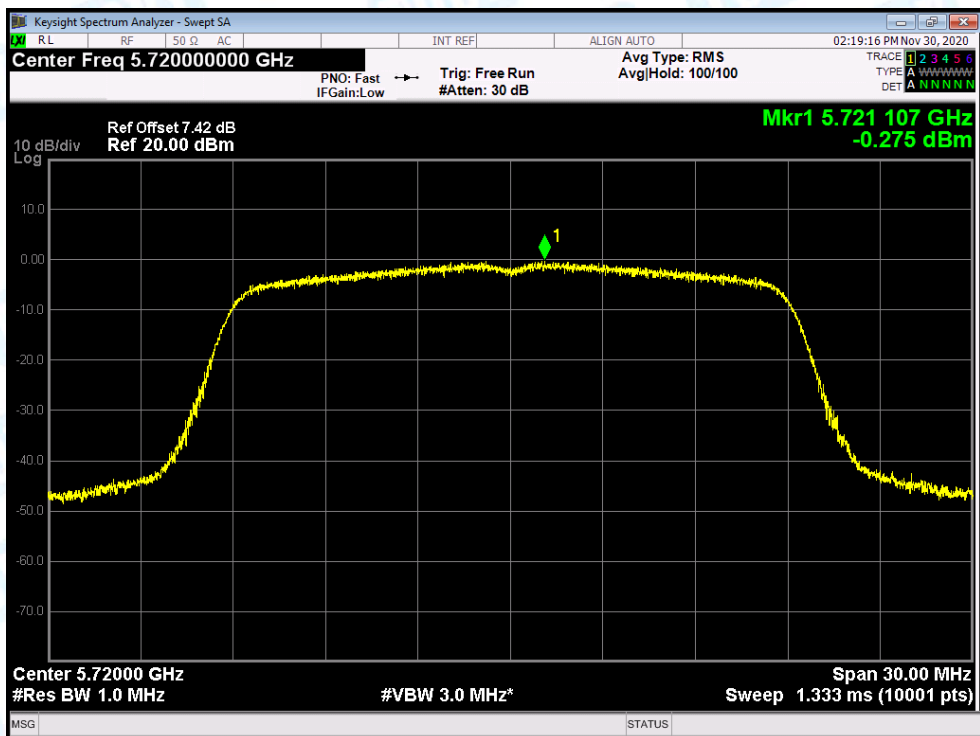
PSD NVNT n20 5500MHz Ant1



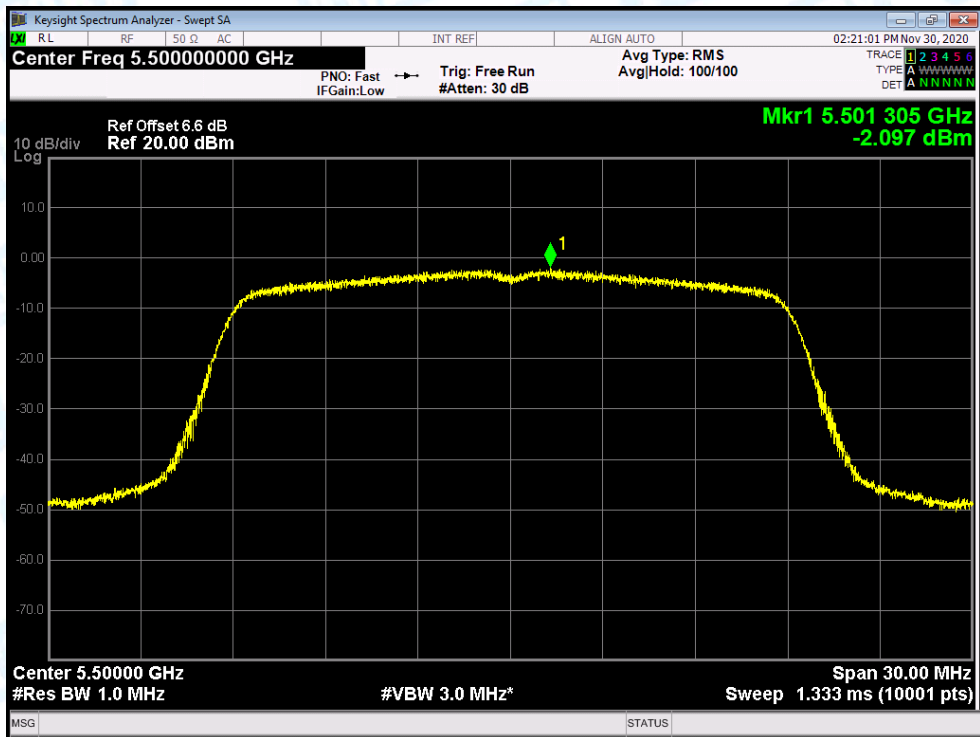
PSD NVNT n20 5600MHz Ant1



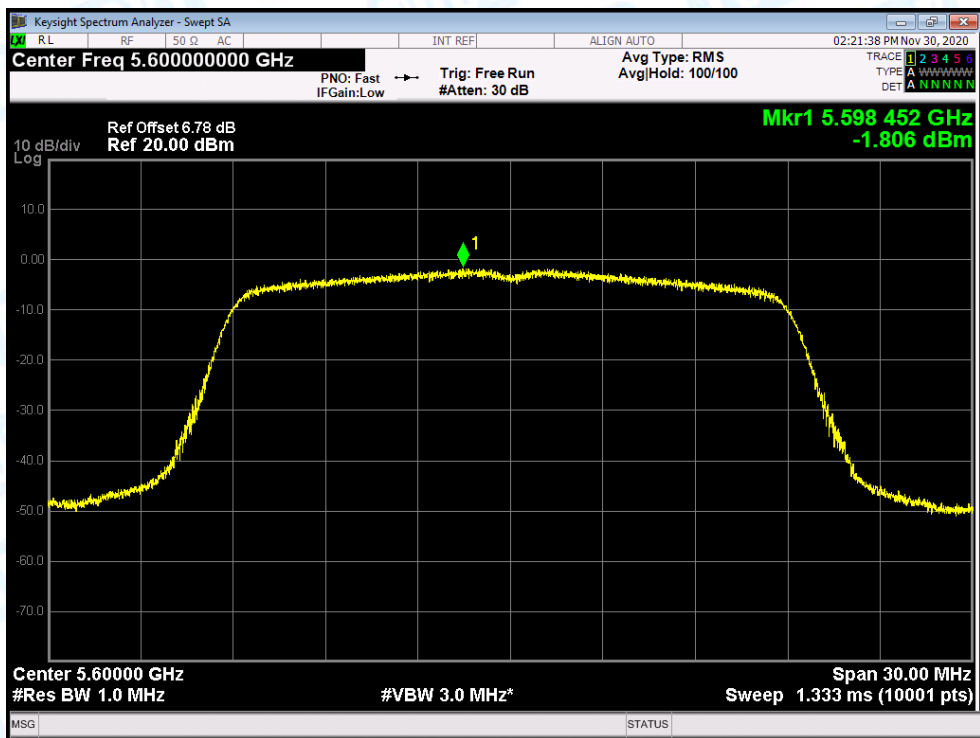
PSD NVNT n20 5720MHz Ant1



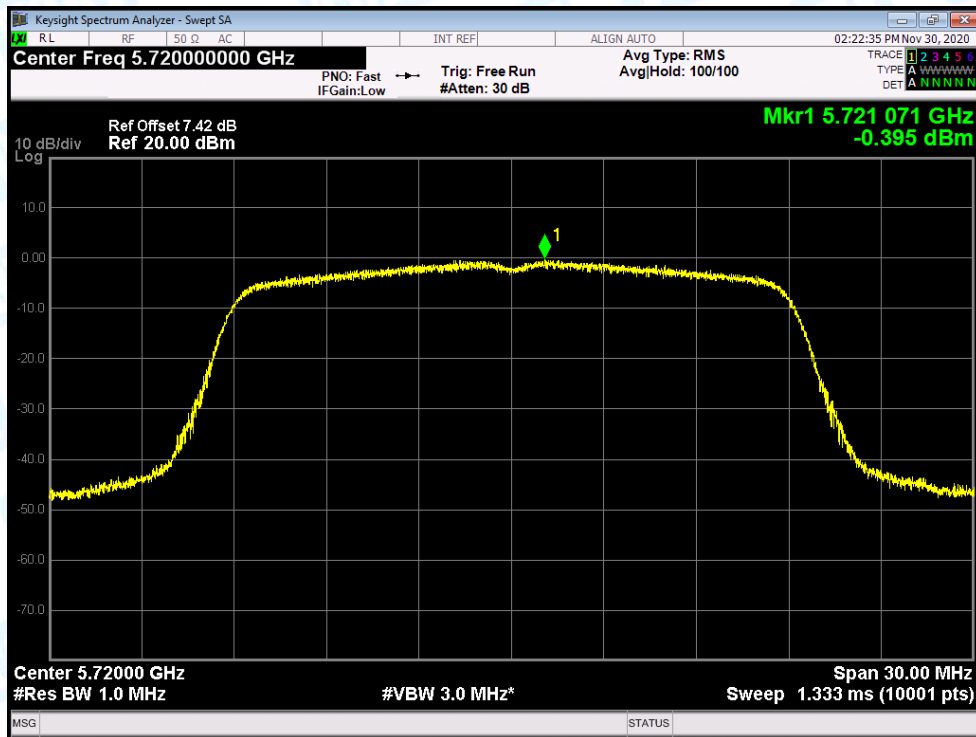
PSD NVNT ac20 5500MHz Ant1



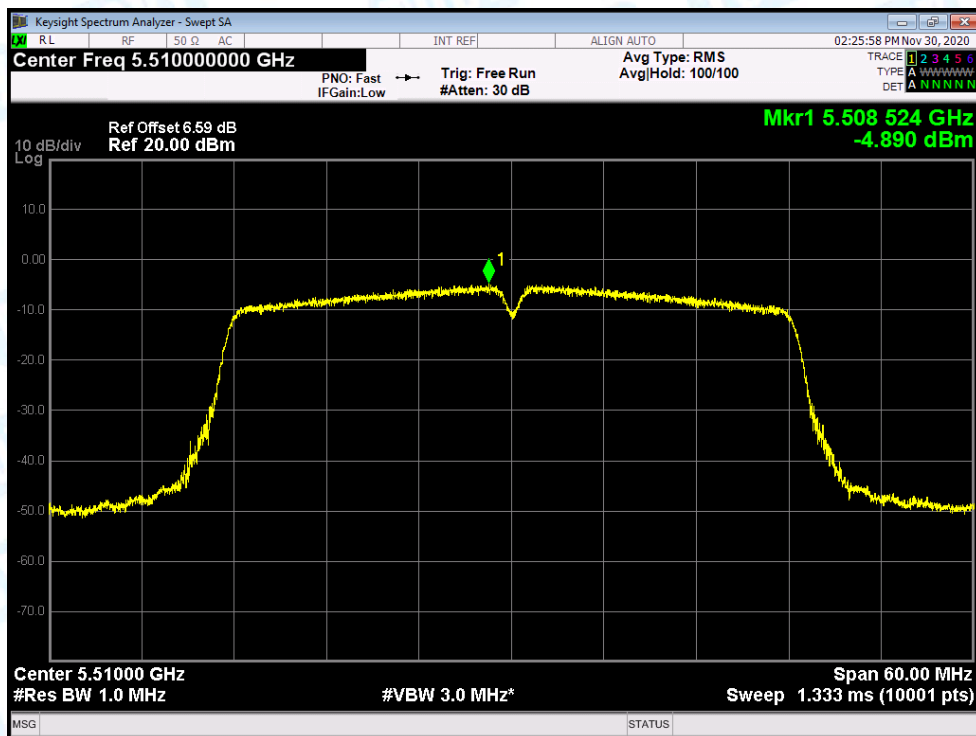
PSD NVNT ac20 5600MHz Ant1



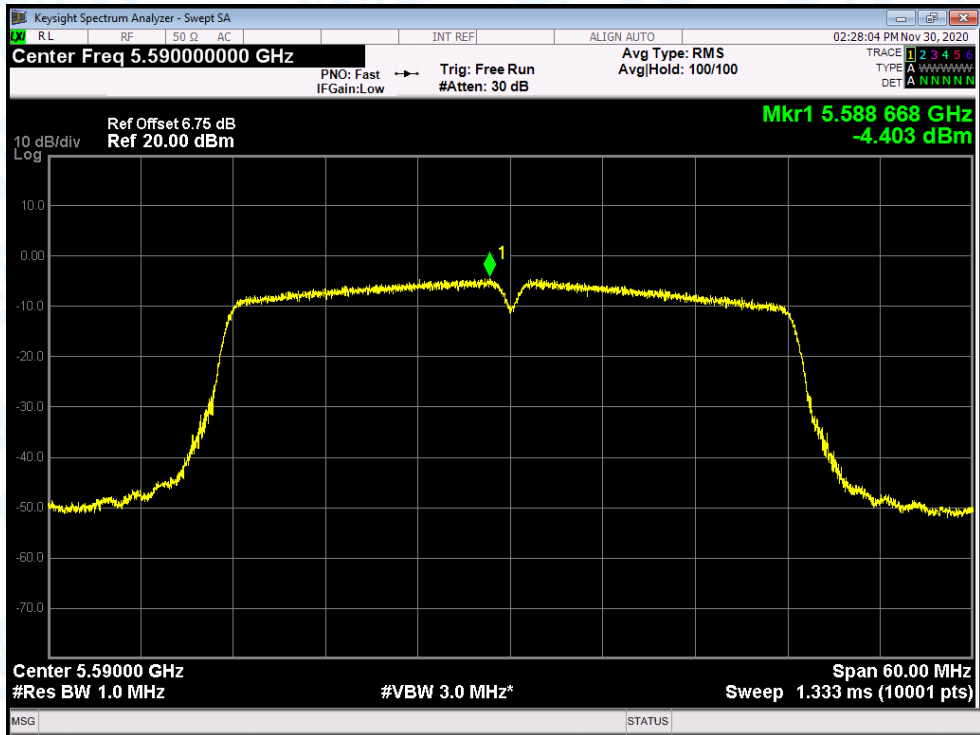
PSD NVNT ac20 5720MHz Ant1



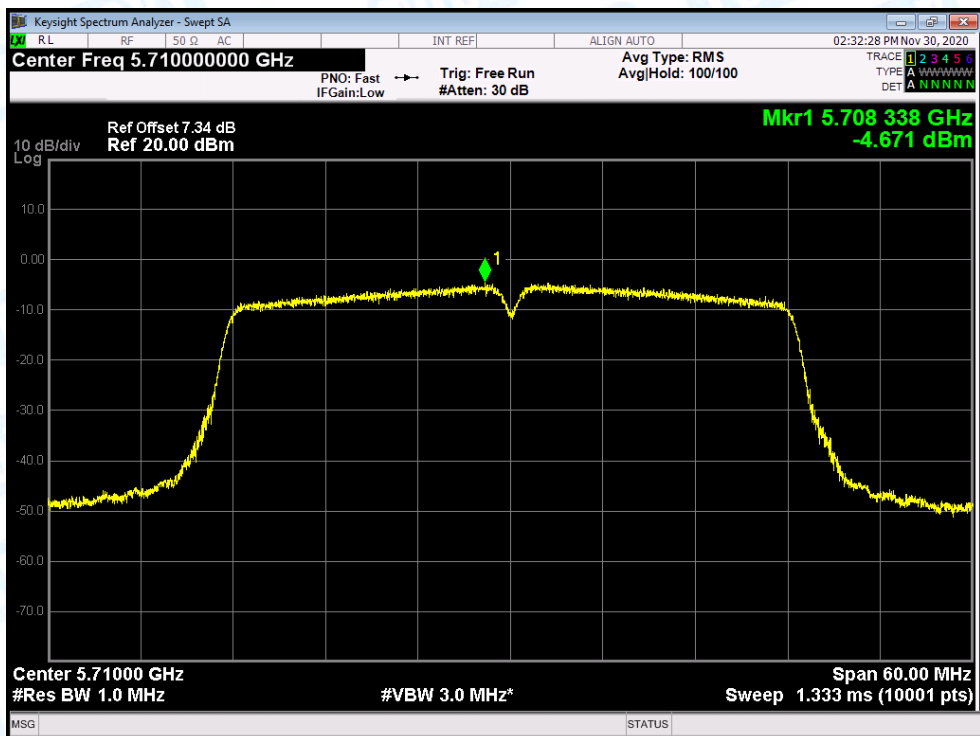
PSD NVNT n40 5510MHz Ant1



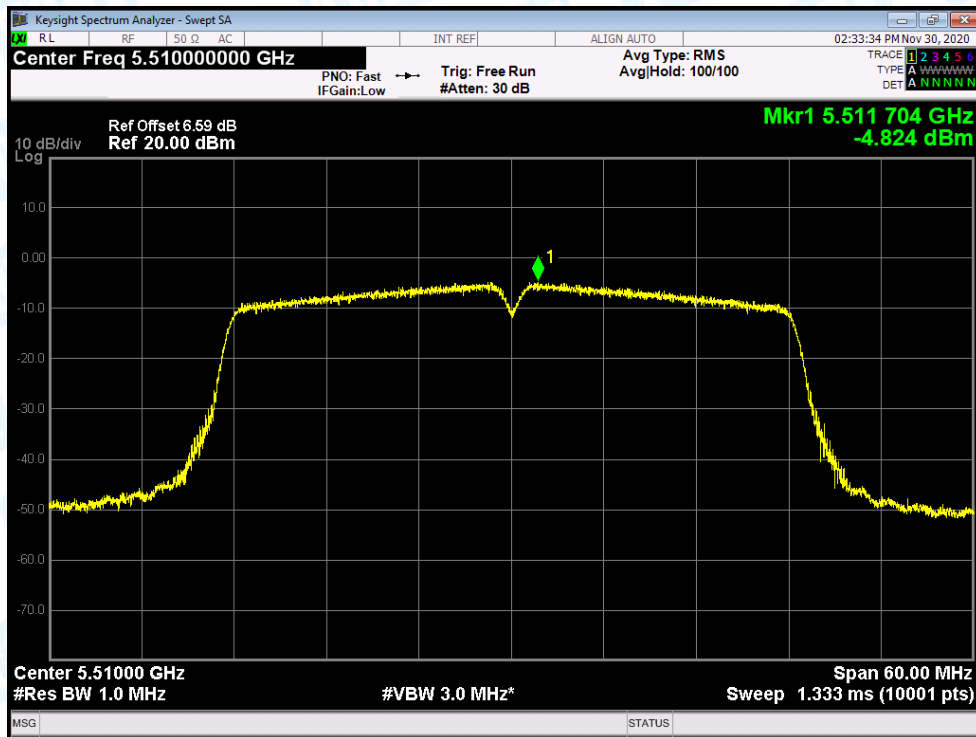
PSD NVNT n40 5590MHz Ant1



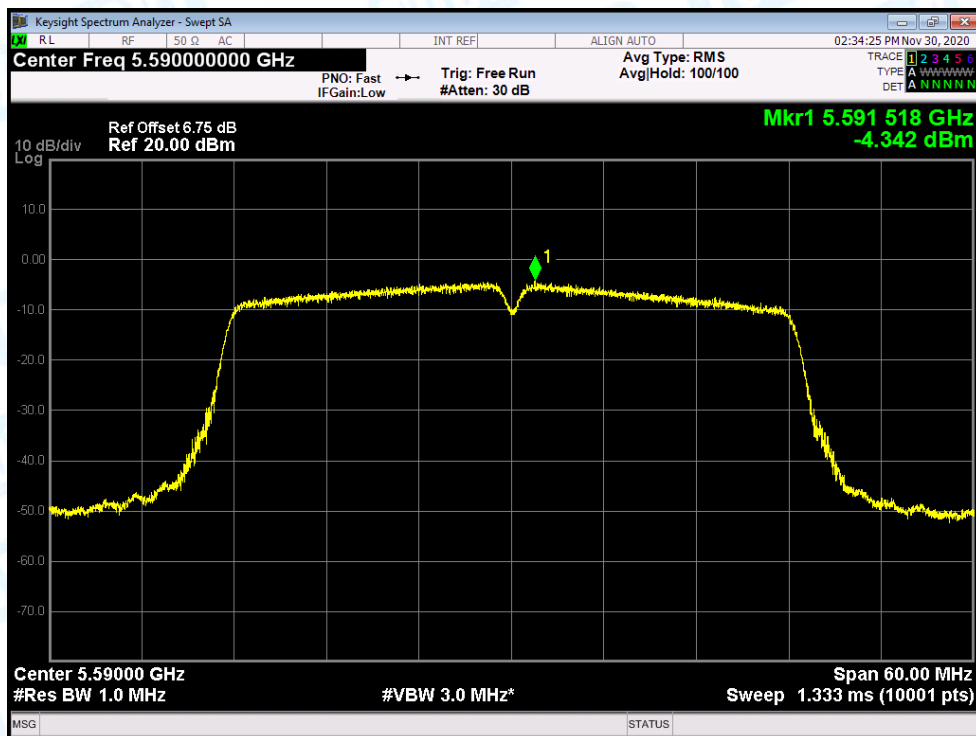
PSD NVNT n40 5710MHz Ant1



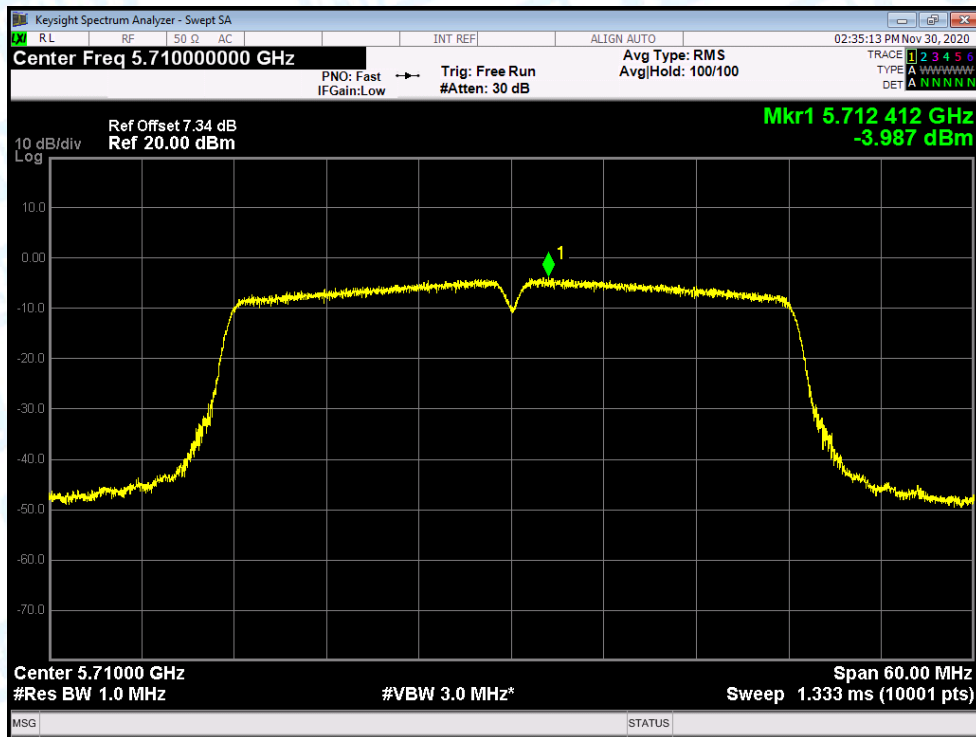
PSD NVNT ac40 5510MHz Ant1



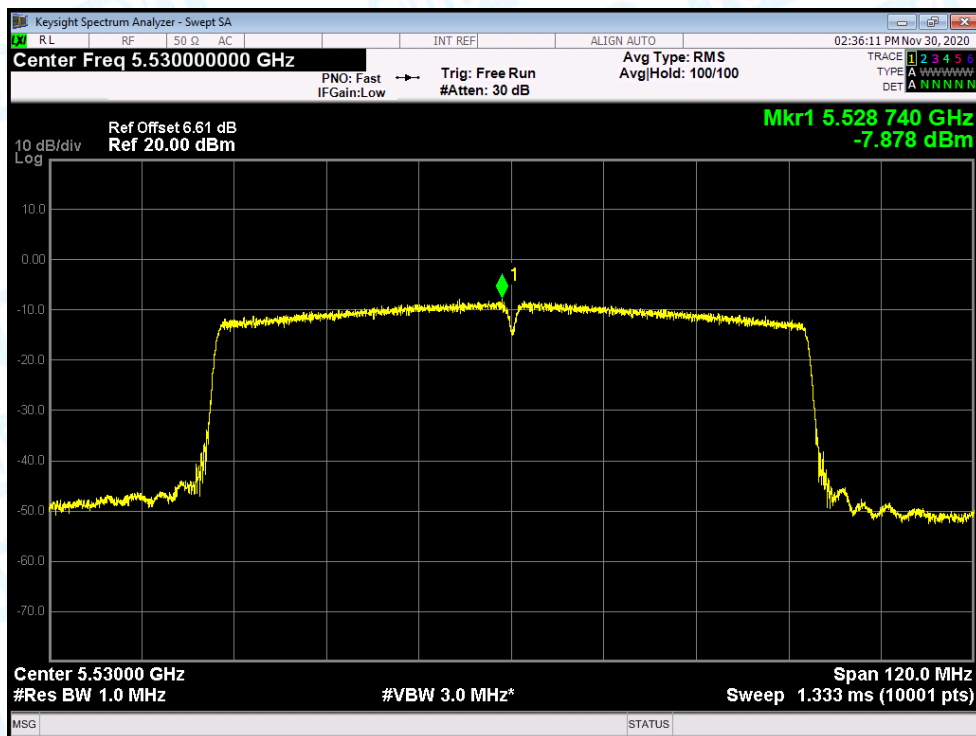
PSD NVNT ac40 5590MHz Ant1



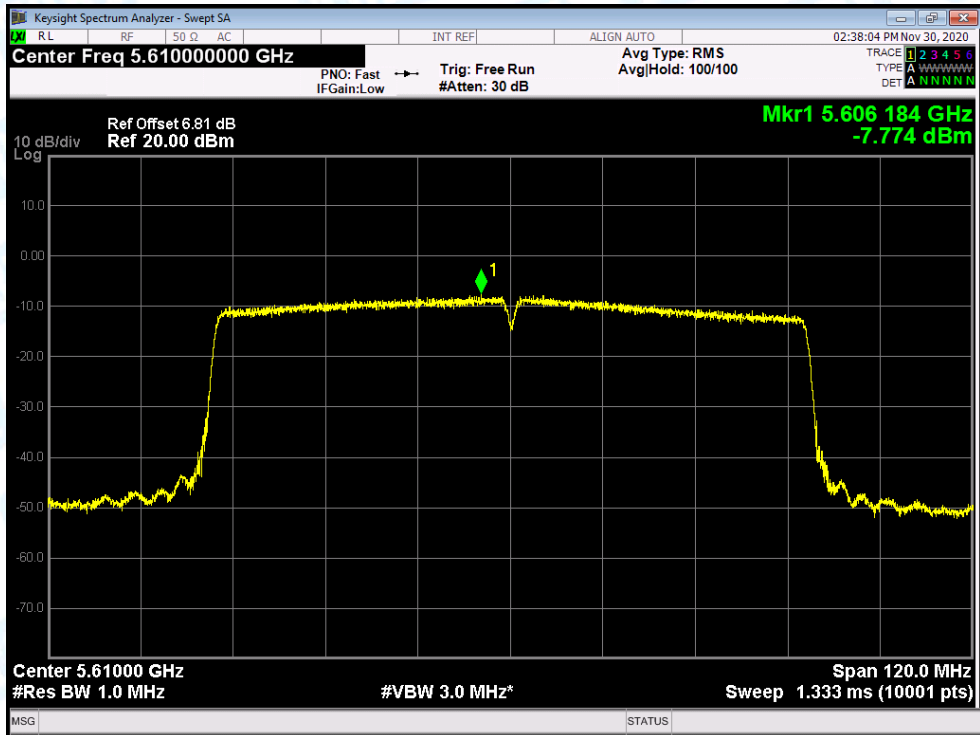
PSD NVNT ac40 5710MHz Ant1



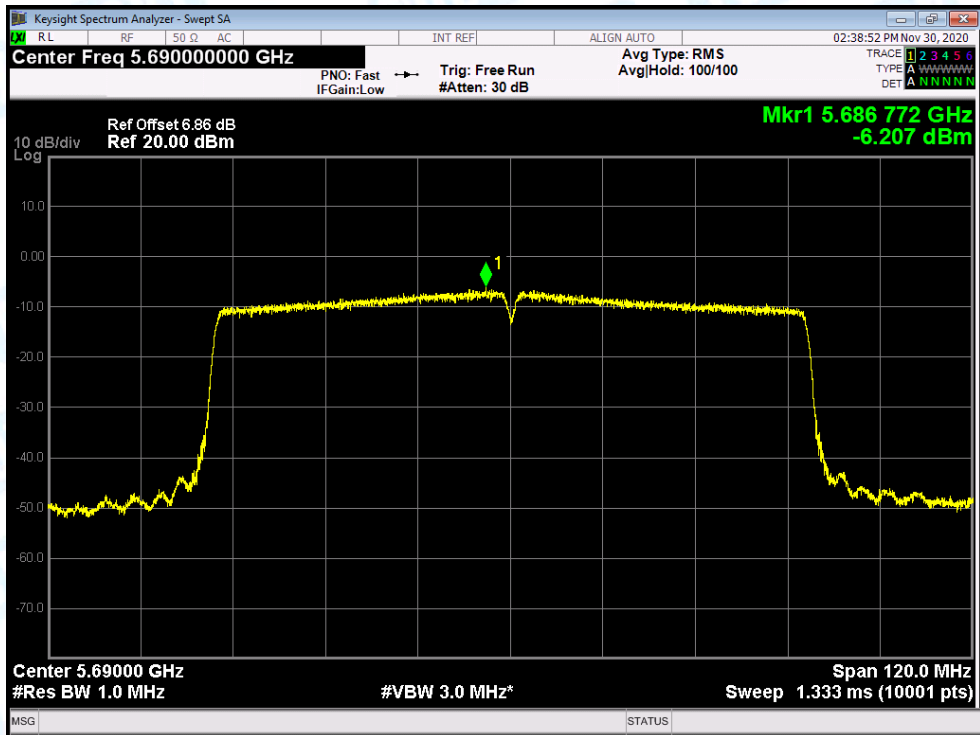
PSD NVNT ac80 5530MHz Ant1



PSD NVNT ac80 5610MHz Ant1

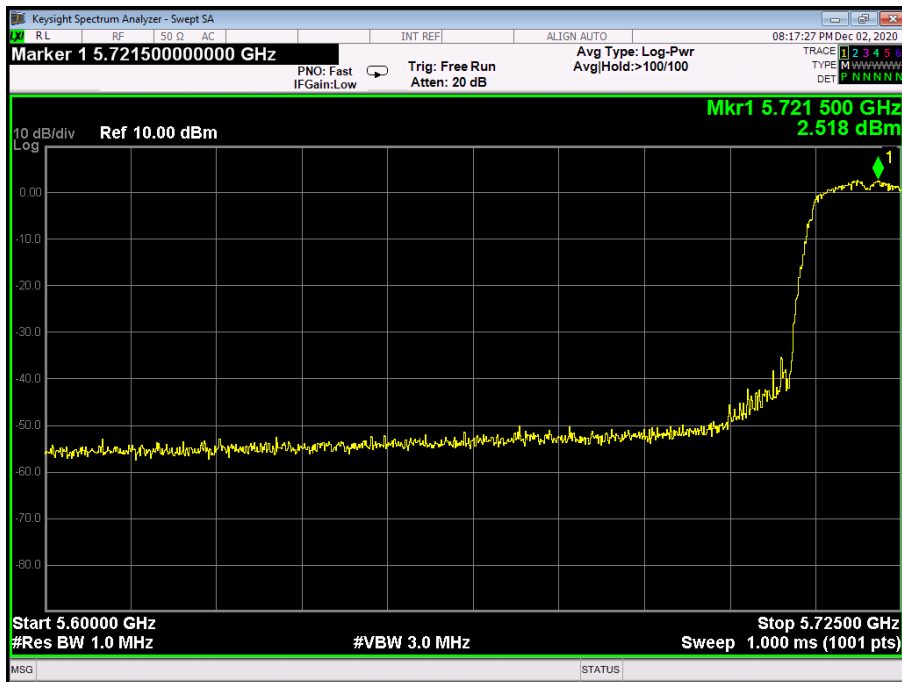


PSD NVNT ac80 5690MHz Ant1

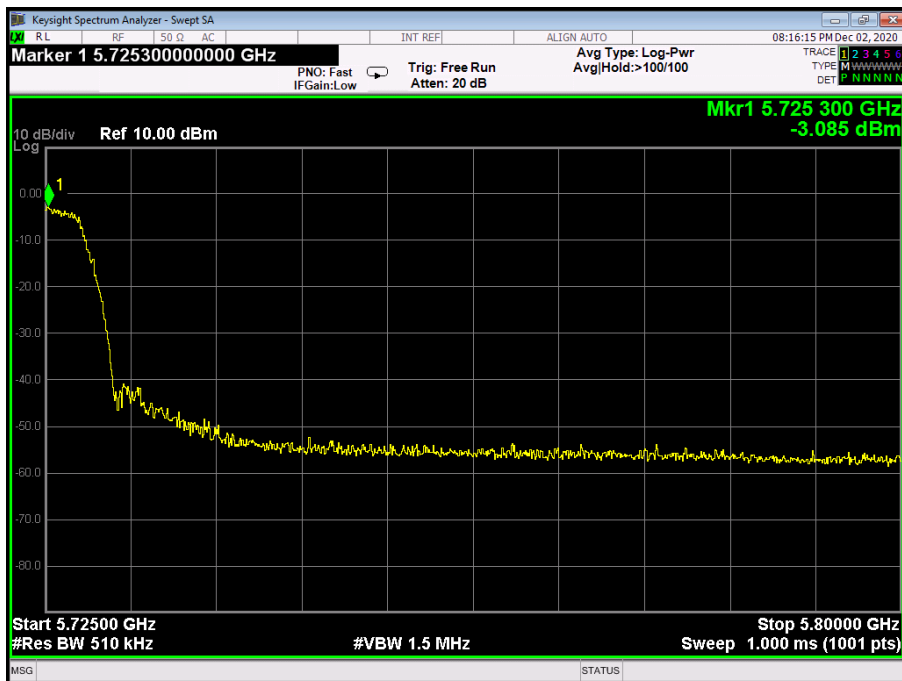


Temperature:	25 °C	Relative Humidity:	55%		
Test Voltage:	DC 3.8V				
U-NII-2C					
Test Mode	Frequency (MHz)	Power Density		Limit	
		(dBm/MHz)	(dBm/500KHz)	(dBm/MHz)	(dBm/500KHz)
802.11a 5720MHz Straddle 5.47-5.725GHz		2.518	-----	11	-----
802.11a 5720MHz Straddle 5.725-5.85GHz		-----	-3.085	-----	30
802.11n(HT20) 5720MHz Straddle 5.47-5.725GHz		2.091	-----	11	-----
802.11n(HT20) 5720MHz Straddle 5.725-5.85GHz		-----	-3.245	-----	30
802.11ac(VHT20) 5720MHz Straddle 5.47-5.725GHz		2.058	-----	11	-----
802.11ac(VHT20) 5720MHz Straddle 5.725-5.85GHz		-----	-3.469	-----	30
802.11n(HT40) 5710MHz Straddle 5.47-5.725GHz		-0.369	-----	11	-----
802.11n(HT40) 5710MHz Straddle 5.725-5.85GHz		-----	-8.005	-----	30
802.11ac(VHT40) 5710MHz Straddle 5.47-5.725GHz		-0.736	-----	11	-----
802.11ac(VHT40) 5710MHz Straddle 5.725-5.85GHz		-----	-7.669	-----	30
802.11ac(VHT80) 5690MHz Straddle 5.47-5.725GHz		-3.171	-----	11	-----
802.11ac(VHT80) 5690MHz Straddle 5.725-5.85GHz		-----	-11.311	-----	30
Result: PASS					
Remark:					
the Directional Gain=0.42dBi<6 dBi.					
So $P_{out} = P_{limit}$					
Test plots please refer to below pages:					

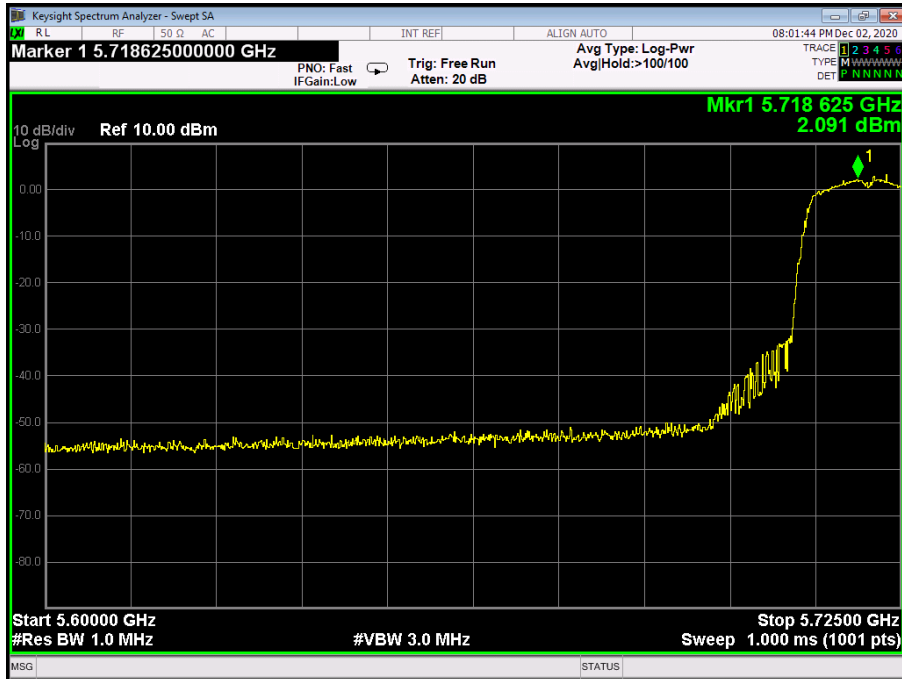
802.11a 5720MHz Straddle 5.47-5.725GHz



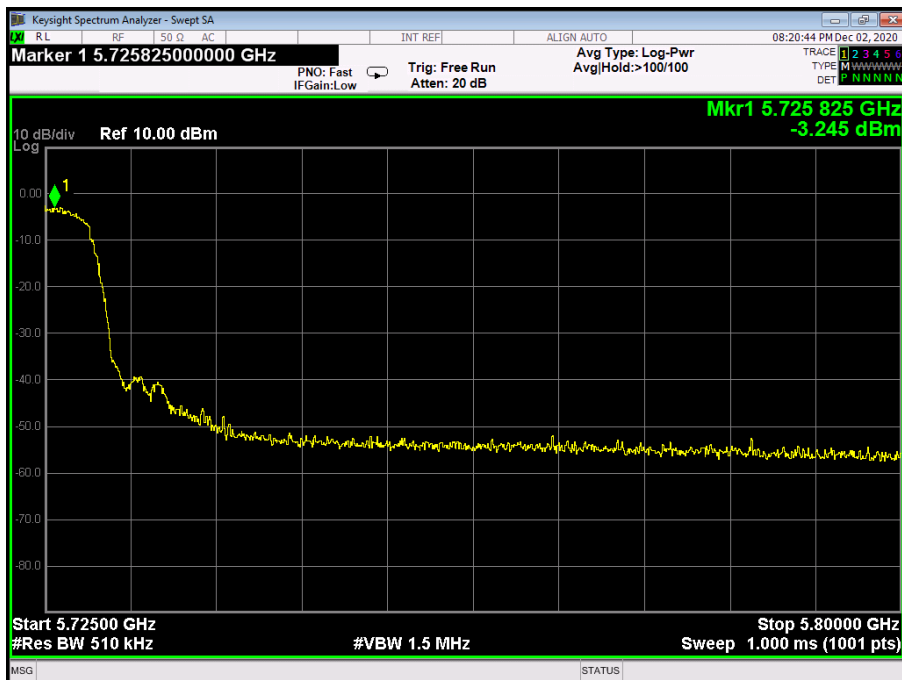
802.11a 5720MHz Straddle 5.725-5.85GHz



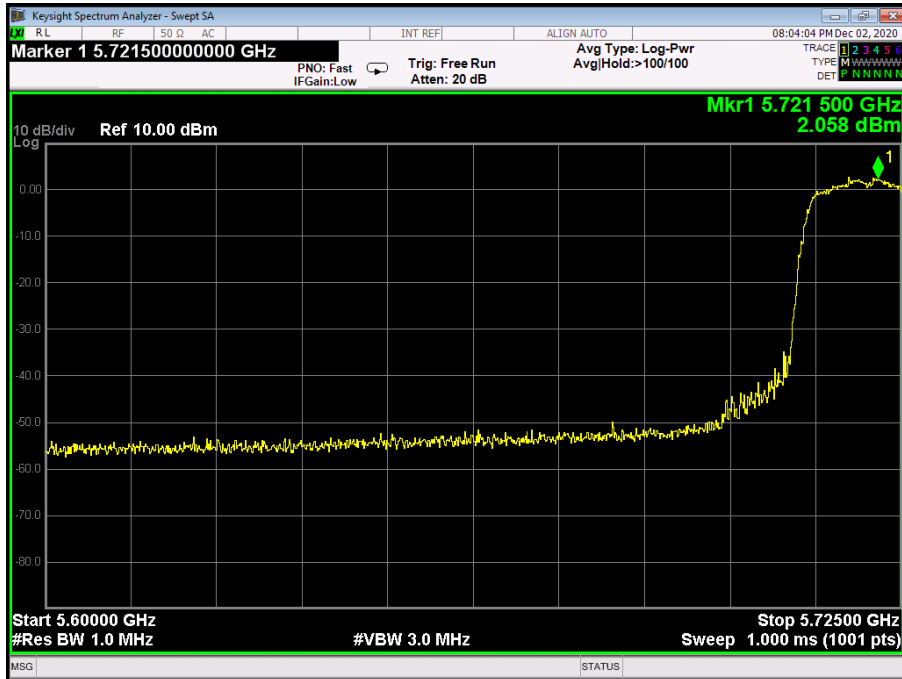
802.11n(HT20) 5720MHz Straddle 5.47-5.725GHz



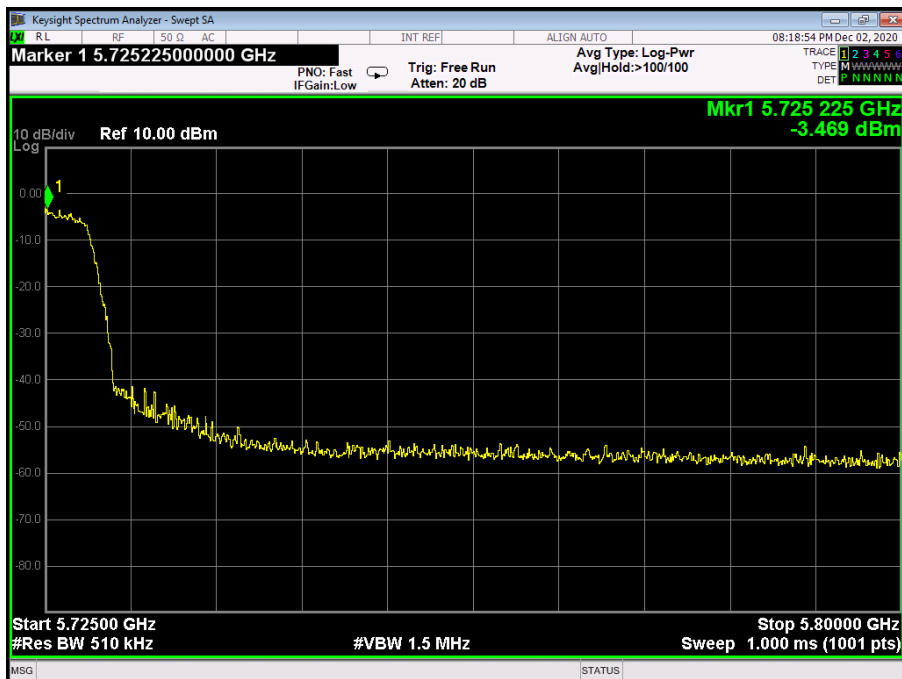
802.11n(HT20) 5720MHz Straddle 5.725-5.85GHz



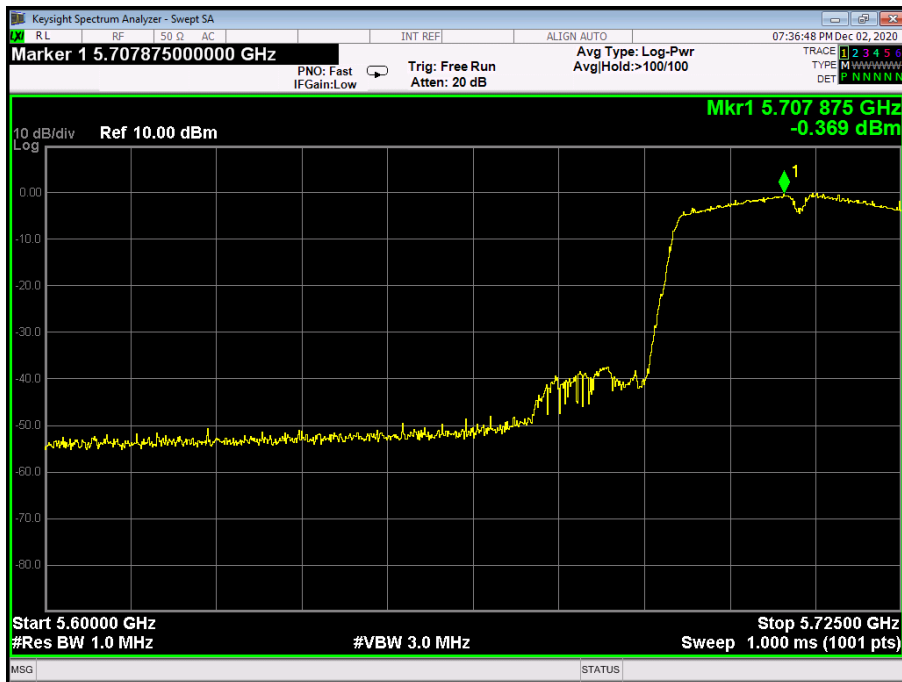
802.11ac(VHT20) 5720MHz Straddle 5.47-5.725GHz



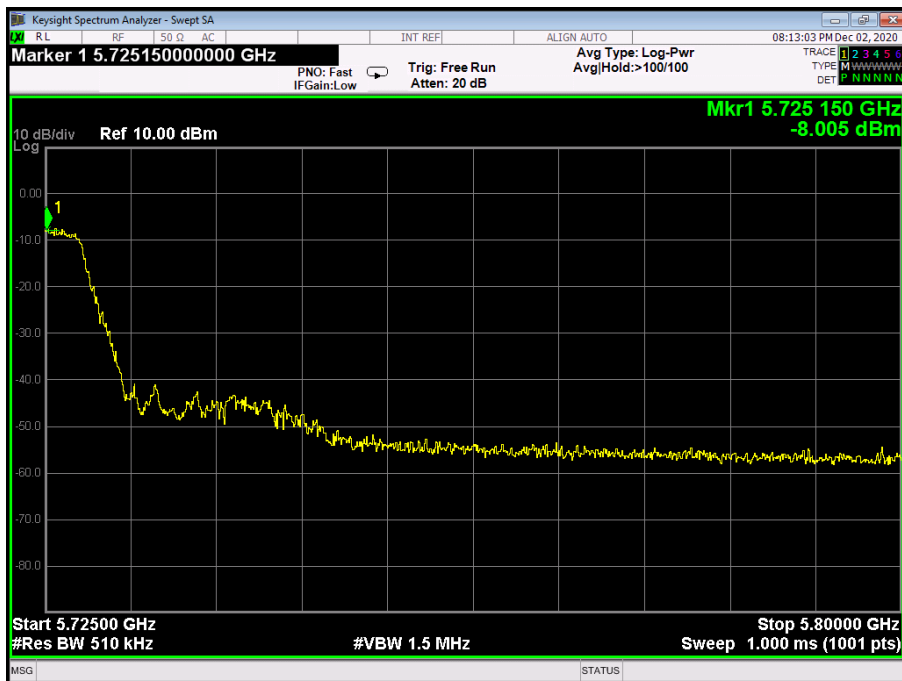
802.11ac(VHT20) 5720MHz Straddle 5.725-5.85GHz



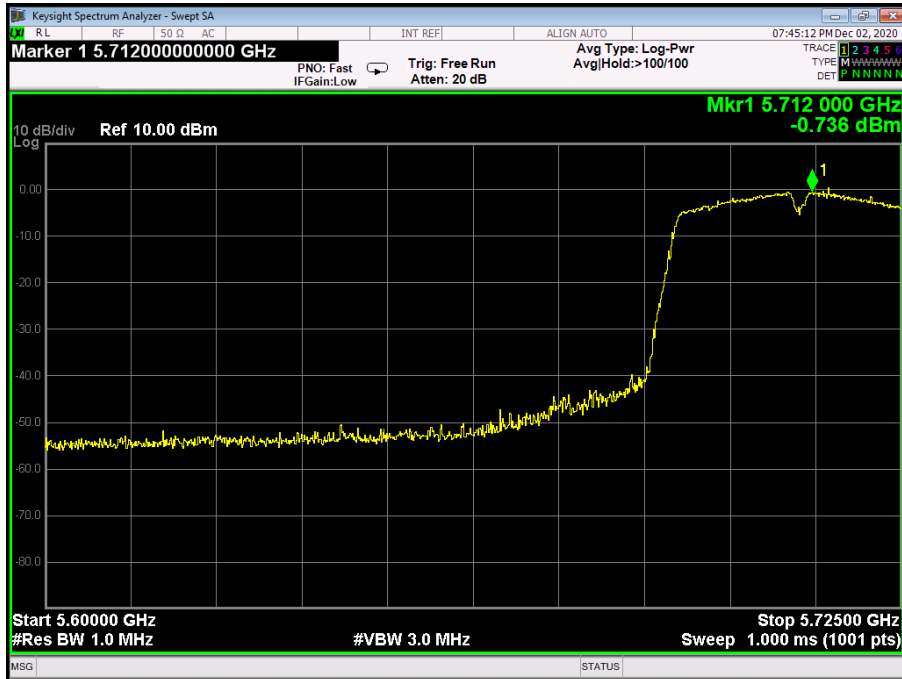
802.11n(HT40) 5710MHz Straddle 5.47-5.725GHz



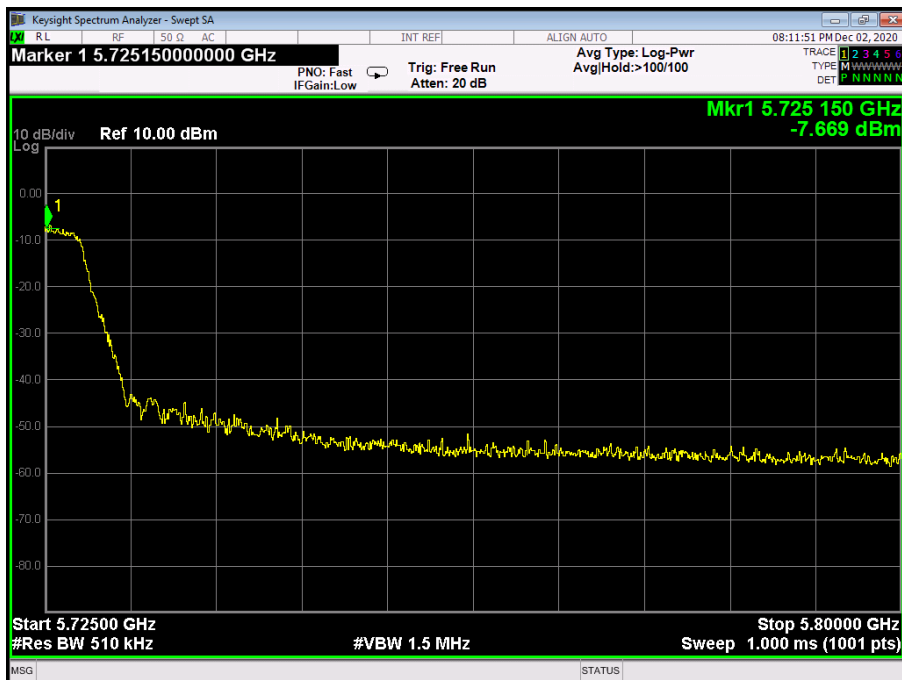
802.11n(HT40) 5710MHz Straddle 5.725-5.85GHz



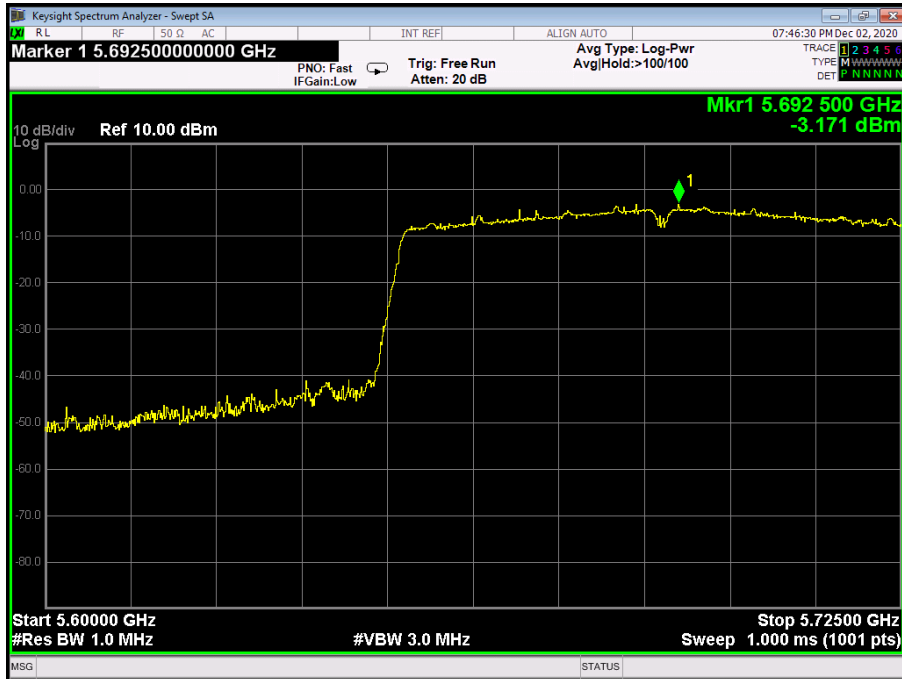
802.11ac(VHT40) 5710MHz Straddle 5.47-5.725GHz



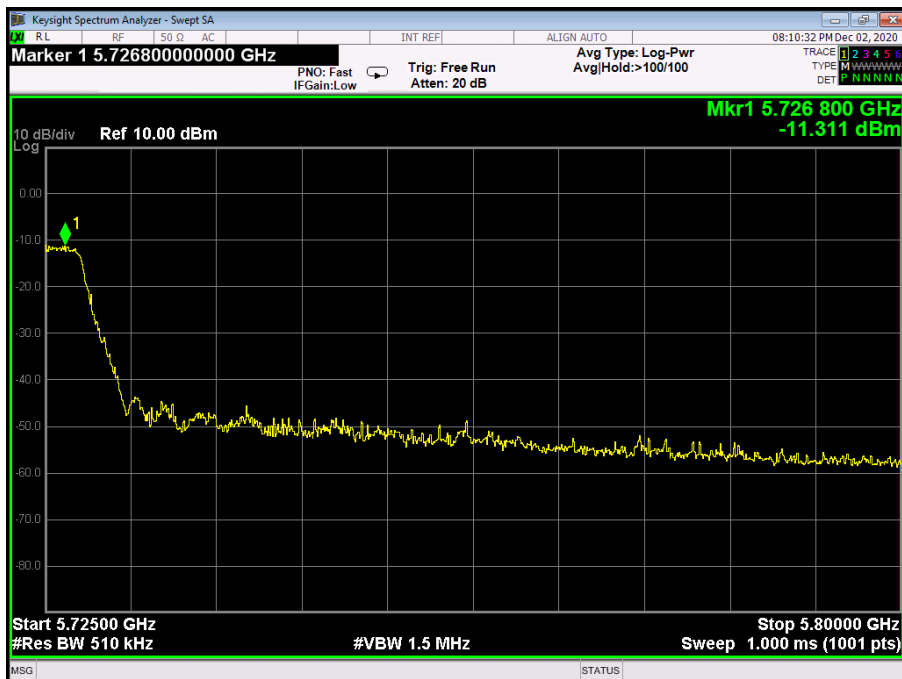
802.11ac(VHT40) 5710MHz Straddle 5.725-5.85GHz



802.11ac(VHT80) 5690MHz Straddle 5.47-5.725GHz

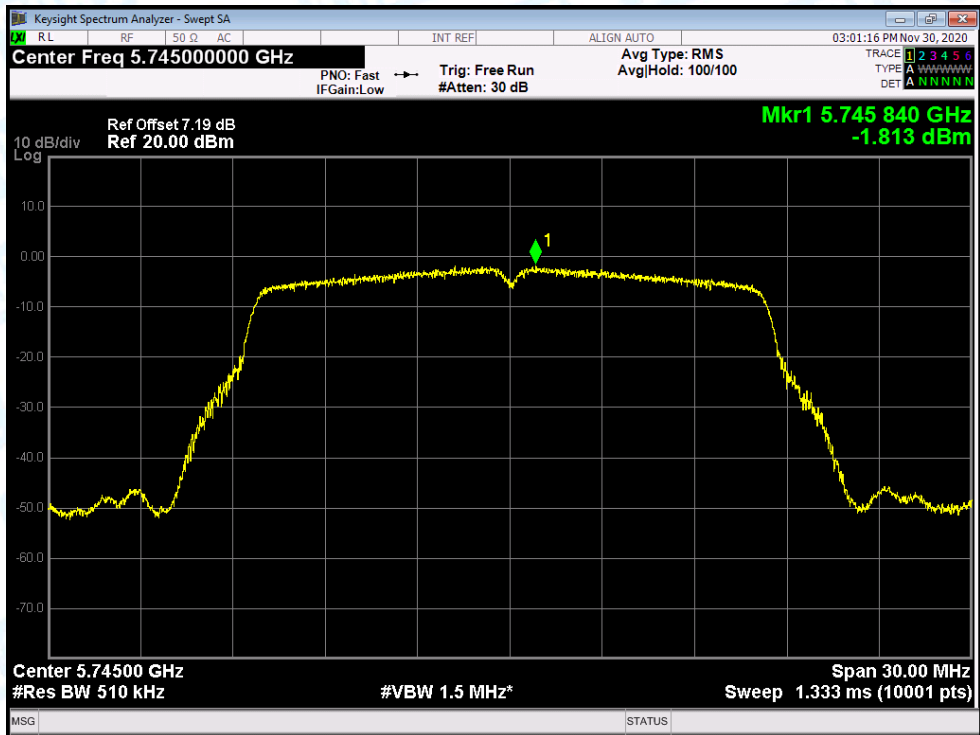


802.11ac(VHT80) 5690MHz Straddle 5.725-5.85GHz

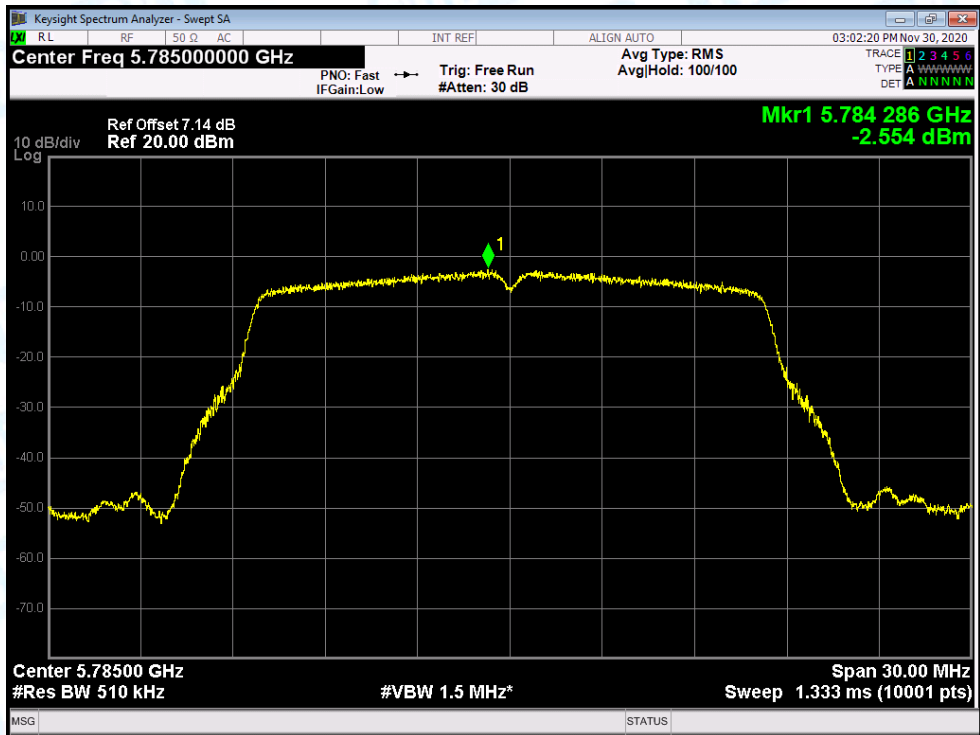


Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.8V		
U-NII-3			
Test Mode	Frequency (MHz)	Test Data	Limit (dBm/500KHz)
		Power Density (dBm/500KHz)	
802.11a	5745	-1.813	30
	5785	-2.554	
	5825	-3.020	
802.11n (HT20)	5745	-2.390	
	5785	-2.747	
	5825	-3.330	
802.11ac (VHT20)	5745	-2.219	
	5785	-2.676	
	5825	-3.321	
802.11n (HT40)	5755	-5.080	
	5795	-5.778	
802.11ac(VHT40)	5755	-5.246	
	5795	-6.082	
802.11ac(VHT80)	5775	-9.395	
Result: PASS			
Remark: the Directional Gain=0.42dBi<6 dBi. So $P_{out} = P_{limit}$			
Test plots please refer to below pages:			

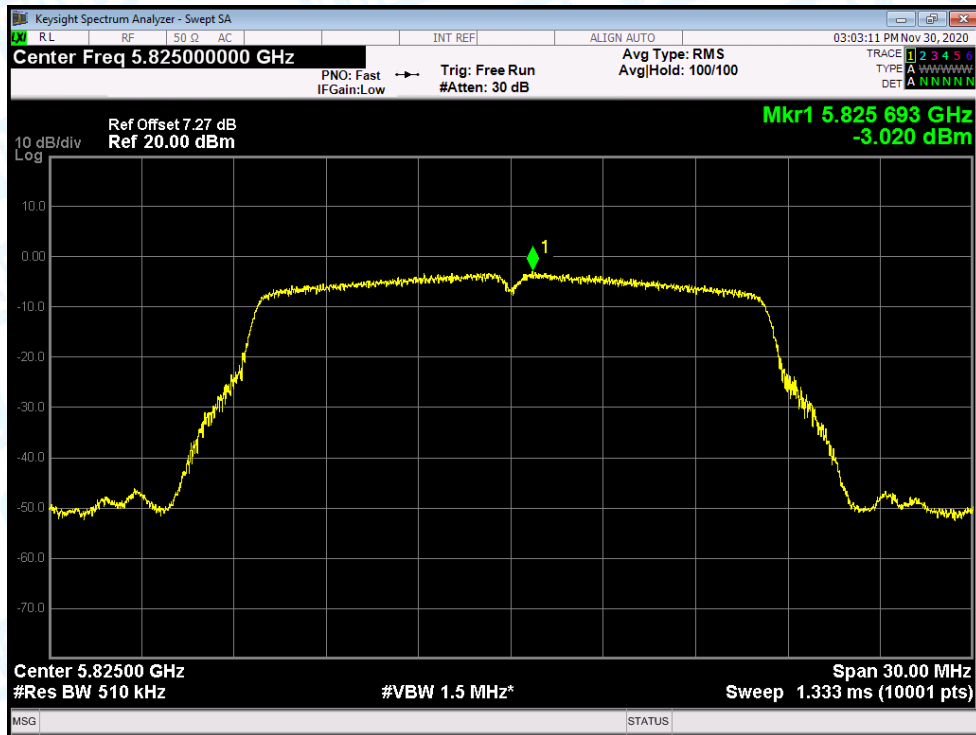
PSD NVNT a 5745MHz Ant1



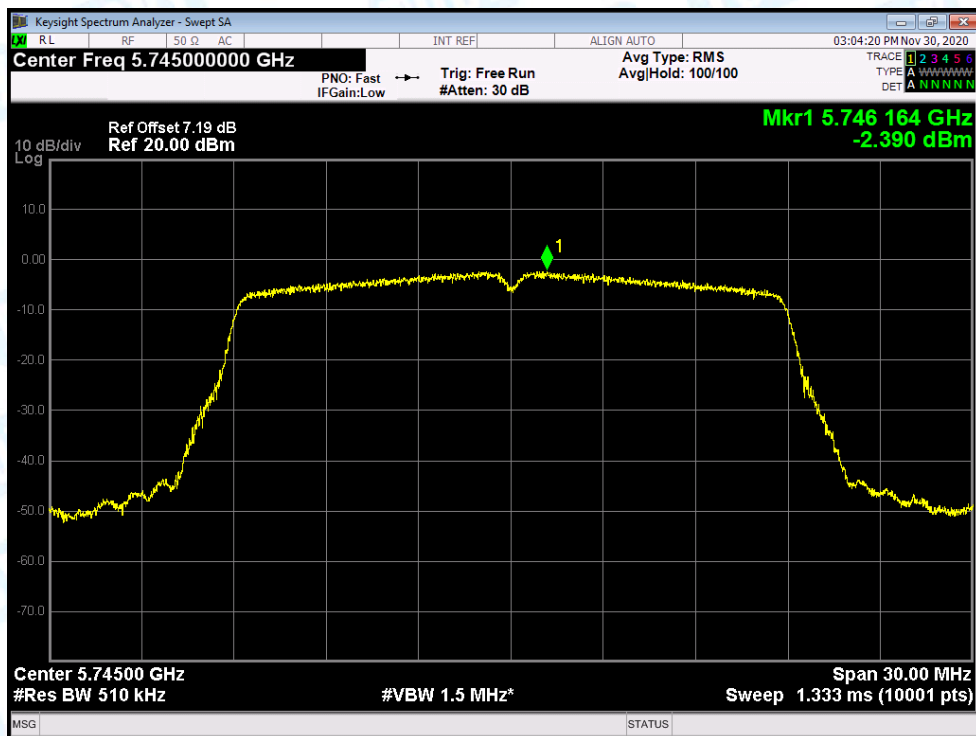
PSD NVNT a 5785MHz Ant1



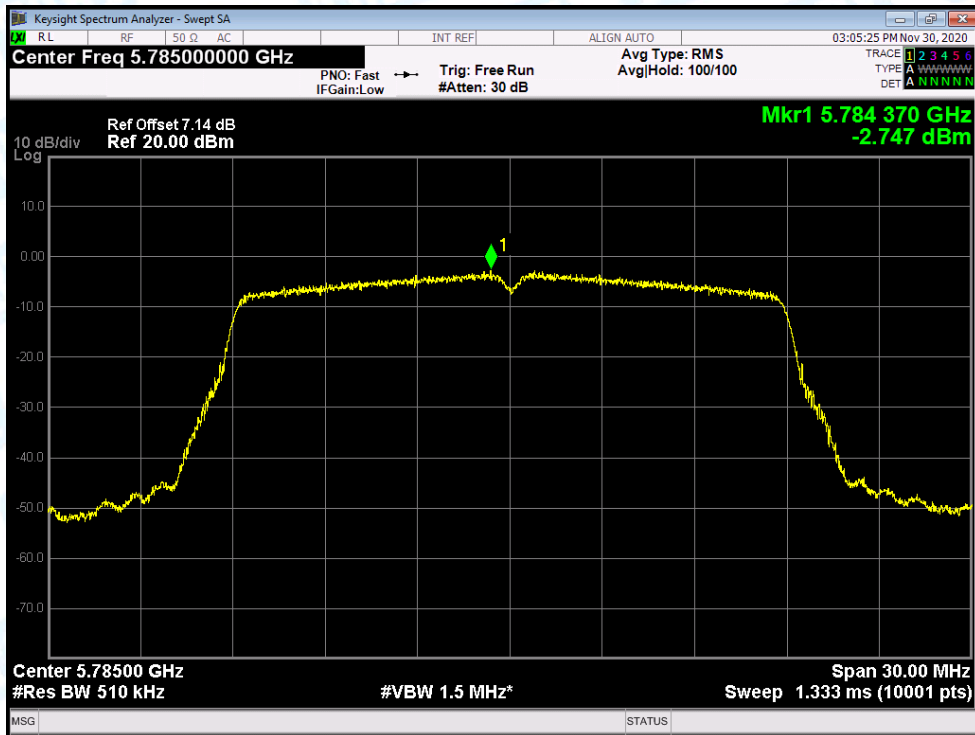
PSD NVNT a 5825MHz Ant1



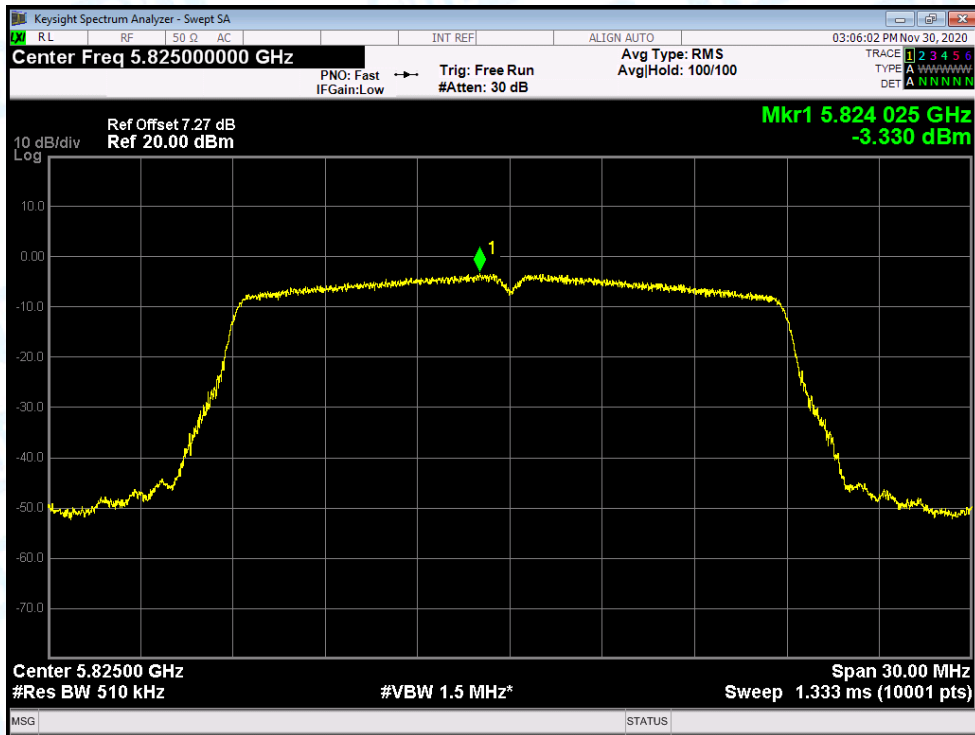
PSD NVNT n20 5745MHz Ant1



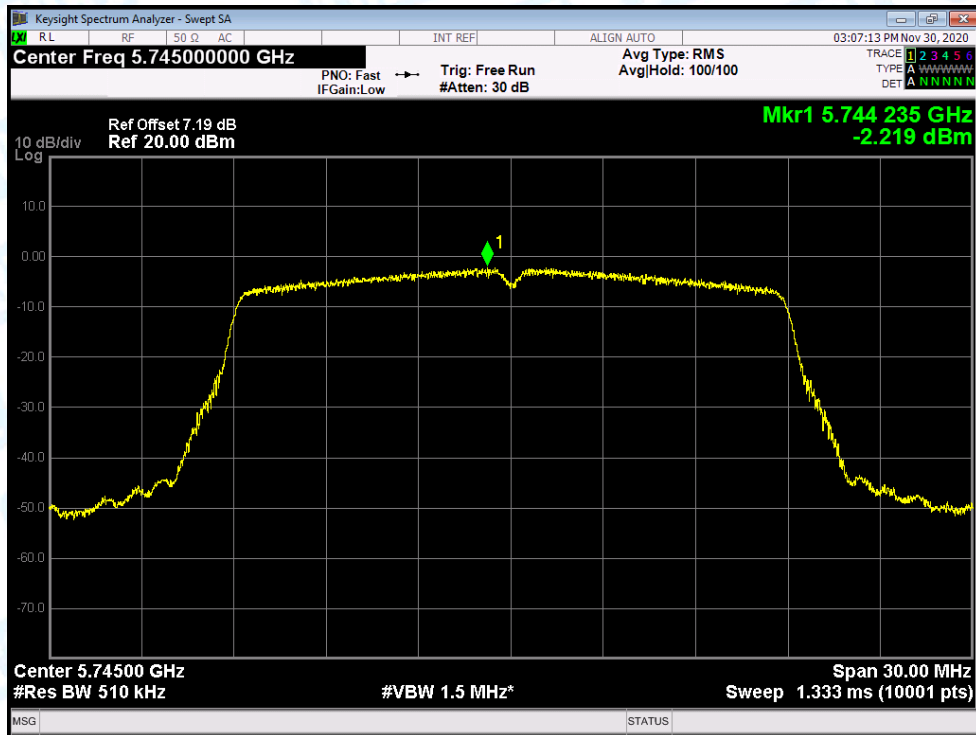
PSD NVNT n20 5785MHz Ant1



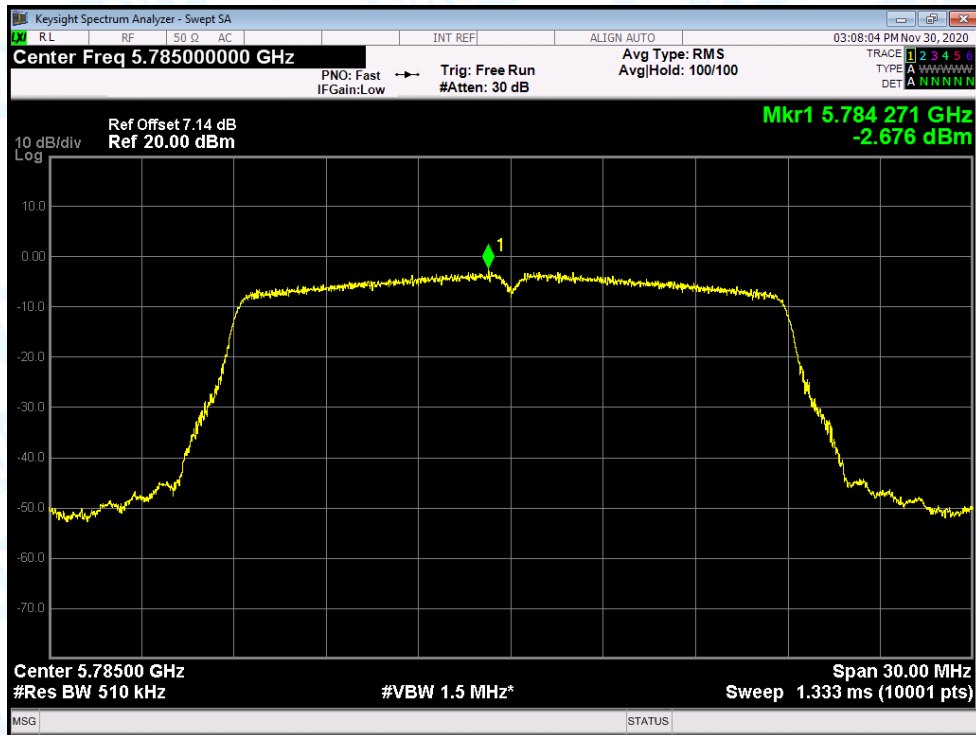
PSD NVNT n20 5825MHz Ant1



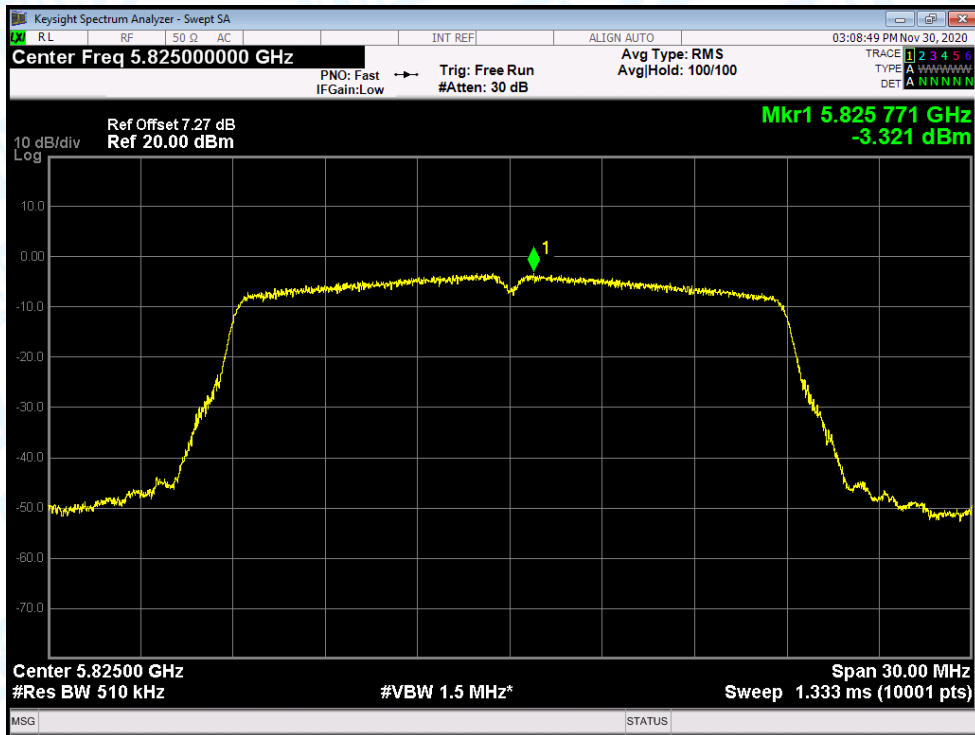
PSD NVNT ac20 5745MHz Ant1



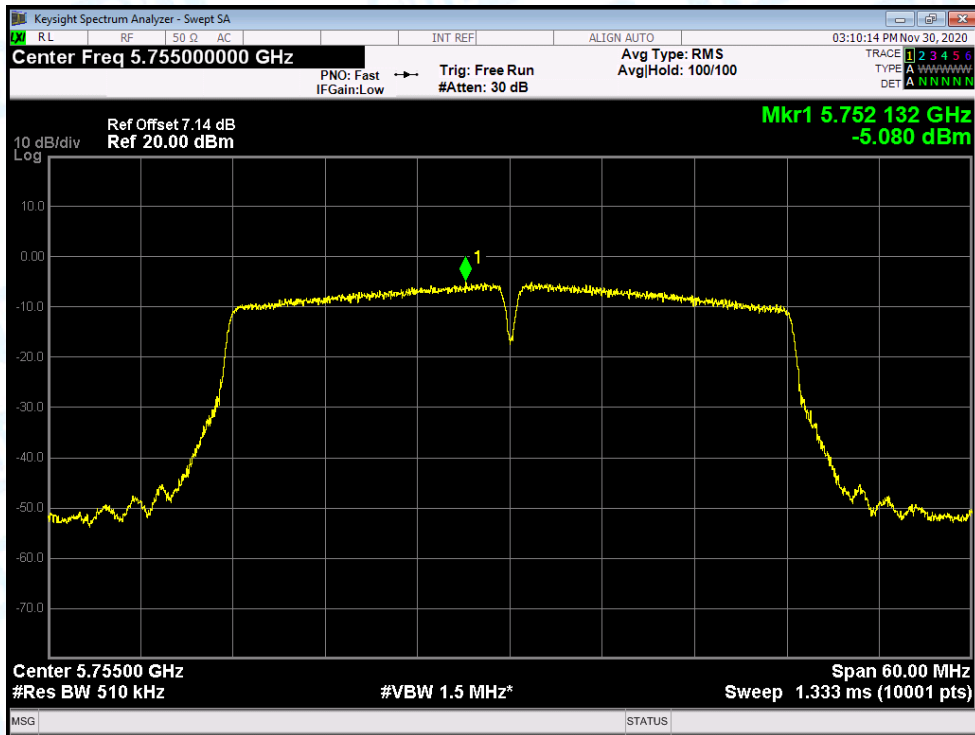
PSD NVNT ac20 5785MHz Ant1



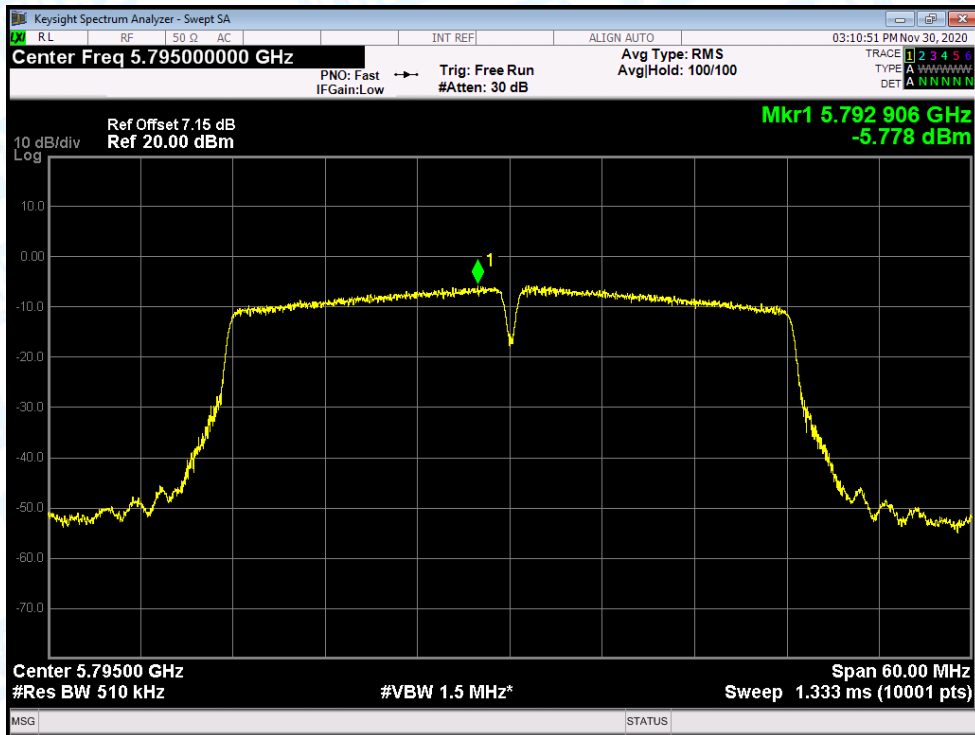
PSD NVNT ac20 5825MHz Ant1



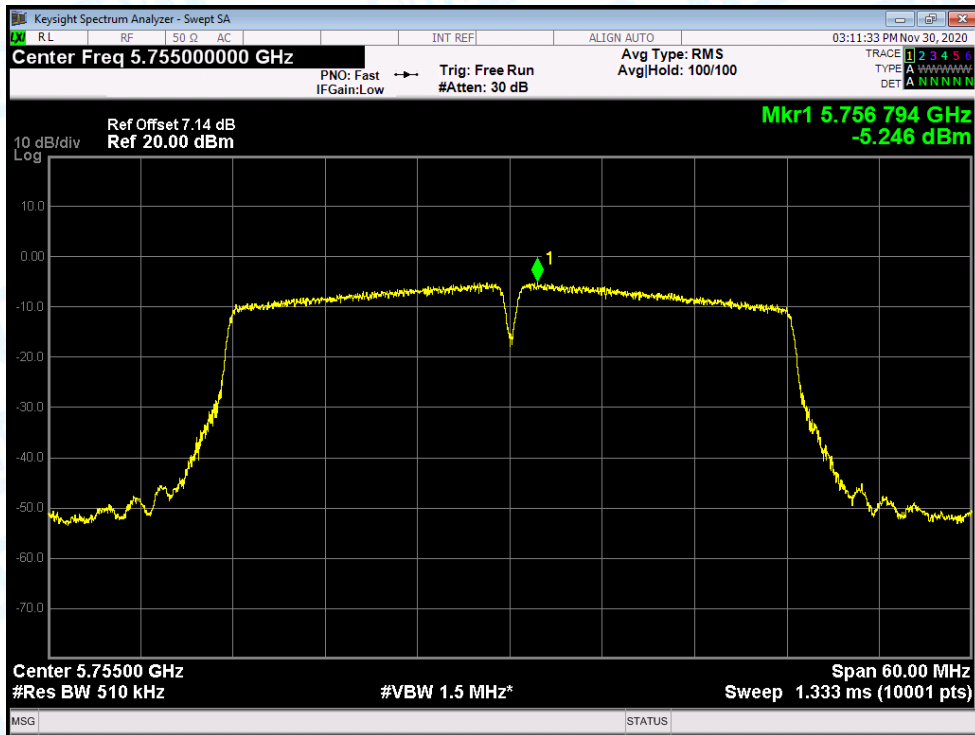
PSD NVNT n40 5755MHz Ant1



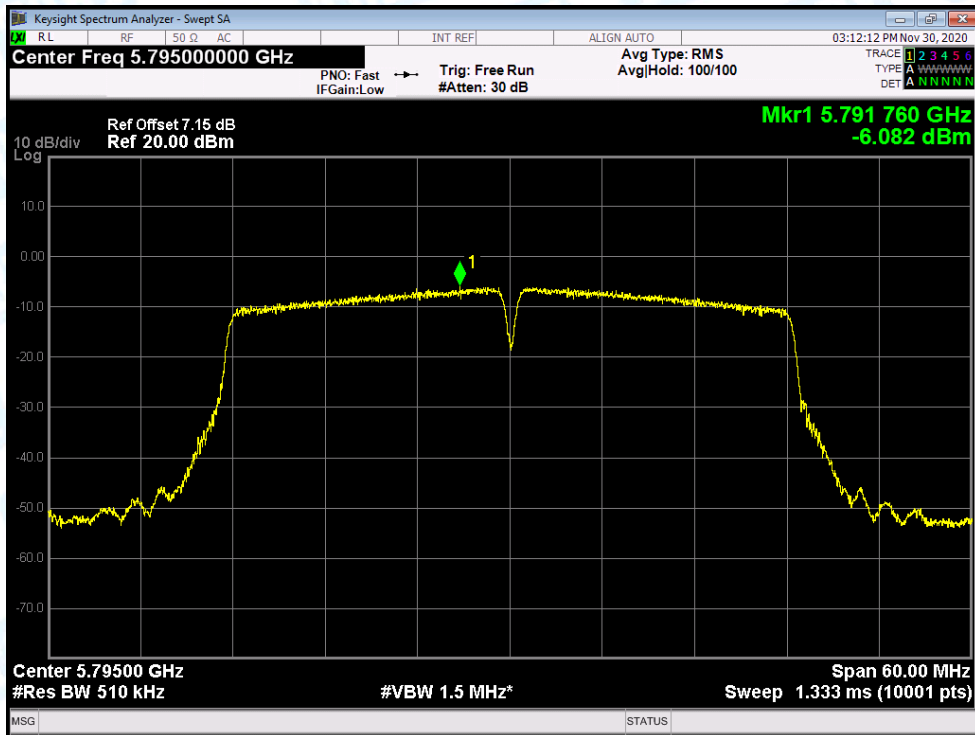
PSD NVNT n40 5795MHz Ant1



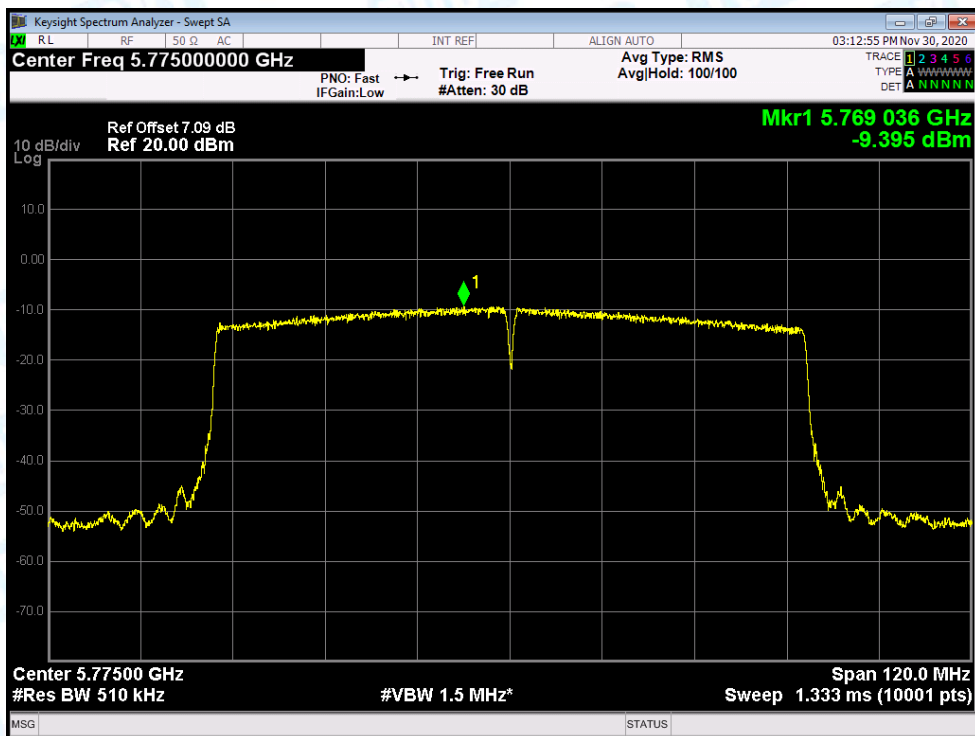
PSD NVNT ac40 5755MHz Ant1



PSD NVNT ac40 5795MHz Ant1



PSD NVNT ac80 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)
4.5	5180.0400
5	5180.0000
5.5	5180.0100
Limit Range (MHz)	5150-5250
Result	PASS
Temperature vs. Frequency Stability	
Temperature (°C)	Measurement Frequency (MHz)
0	5180.0200
10	5180.0200
20	5180.0000
30	5180.0100
40	5180.0600
50	5180.0400
Limit Range (MHz)	5150-5250
Result	PASS

Only show the worst case 802.11 a Mode 5260MHz.

801.11a U-NII-2A: 5260 MHz	
Voltage vs. Frequency Stability	
Voltage (V)	Measurement Frequency (MHz)
4.5	5280.0100
5	5280.0200
5.5	5280.0400
Limit Range (MHz)	5250-5350
Result	PASS
Temperature vs. Frequency Stability	
Temperature (°C)	Measurement Frequency (MHz)
0	5280.0200
10	5280.0300
20	5280.0200
30	5280.0100
40	5280.0400
50	5280.0057
Limit Range (MHz)	5250-5350
Result	PASS

Only show the worst case 802.11 a Mode 5500MHz.

801.11a U-NII-2C: 5500 MHz	
Voltage vs. Frequency Stability	
Voltage (V)	Measurement Frequency (MHz)
4.5	5500.0100
5	5500.0000
5.5	5500.0200
Limit Range (MHz)	5470-5725
Result	PASS
Temperature vs. Frequency Stability	
Temperature (°C)	Measurement Frequency (MHz)
0	5500.0400
10	5500.0200
20	5500.0200
30	5500.0400
40	5500.0300
50	5500.0200
Limit Range (MHz)	5470-5725
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)
4.5	5745.0400
5	5745.0200
5.5	5744.0200
Limit Range (MHz)	5725-5850
Result	PASS
Temperature vs. Frequency Stability	
Temperature (°C)	Measurement Frequency (MHz)
0	5745.0300
10	5745.0400
20	5745.0200
30	5745.0200
40	5745.0300
50	5745.0100
Limit Range (MHz)	5725-5850
Result	PASS

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