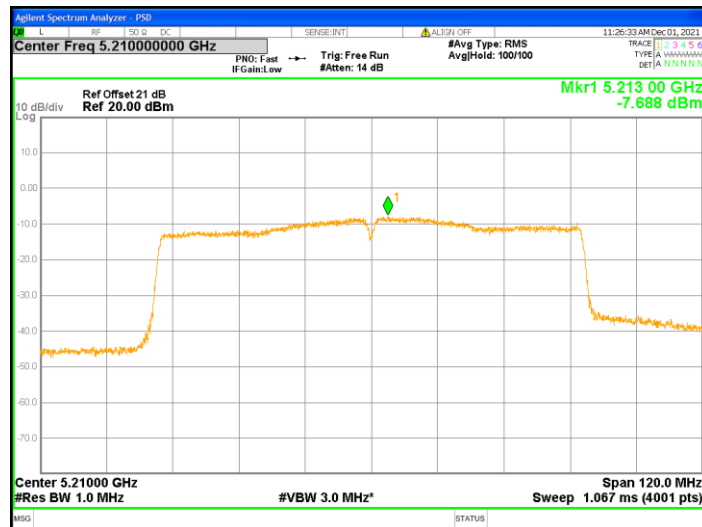
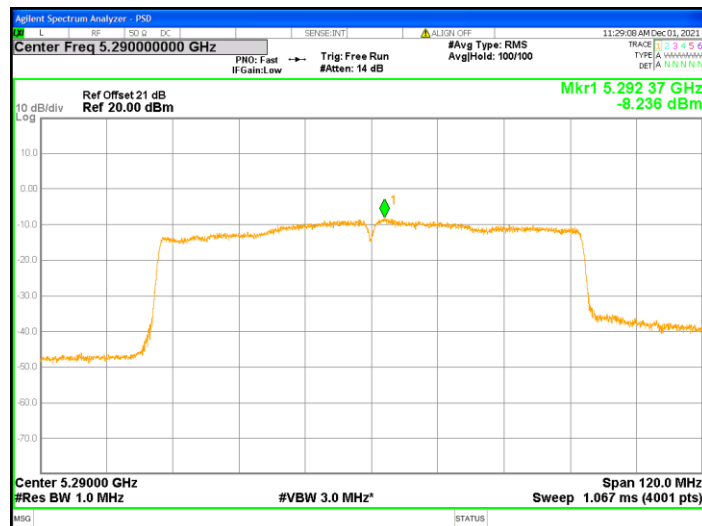


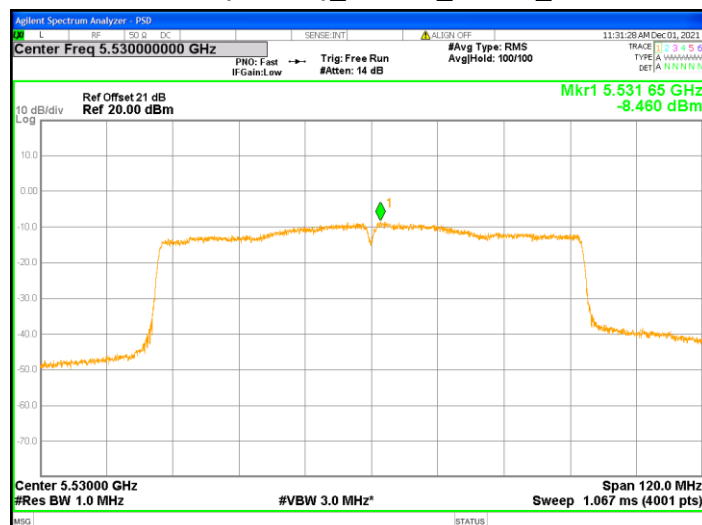
802.11ac(VHT80)_Chain0_Ch42_5210



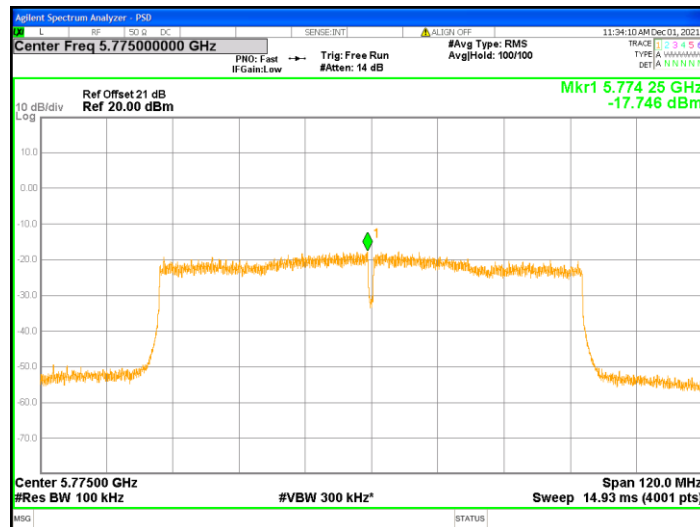
802.11ac(VHT80)_Chain0_Ch58_5290



802.11ac(VHT80)_Chain0_Ch106_5530



802.11ac(VHT80)_Chain0_Ch155_5775



4. Minimum Bandwidth

4.1 Limit for minimum emission bandwidth.

Within the 5.15-5.725 GHz, the 26 dB bandwidth is for reporting purpose only.

Within the 5.725-5.85 GHz, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

4.2 Measuring instrument setting

For 26dB Bandwidth

Spectrum analyzer settings	
Spectrum Analyzer function	Setting
Detector	Peak
RBW	Approximately 1% of the EBW
VBW	> RBW
Trace mode	Max hold

For 99% Occupied Bandwidth

Spectrum analyzer settings	
Spectrum Analyzer function	Setting
Detector	Peak
Span	1.5 times to 5.0 times the OBW
RBW	1% to 5% of the OBW
VBW	$\geq 3 \times \text{RBW}$
Trace mode	Max hold

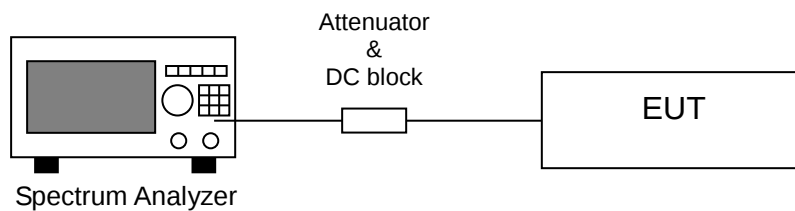
For 6dB Bandwidth

Spectrum analyzer settings	
Spectrum Analyzer function	Setting
Detector	Peak
RBW	100kHz
VBW	$\geq 3 \times \text{RBW}$
Sweep	Auto couple
Trace mode	Max hold

4.3 Test procedure

1. The transmitter output was connected to the spectrum analyzer.
2. Test was performed in accordance with section C&D of KDB 789033 D02 v02r01
3. For the 5.725-5.85 GHz, measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

4.4 Test diagram



TEST REPORT

4.5 Test results

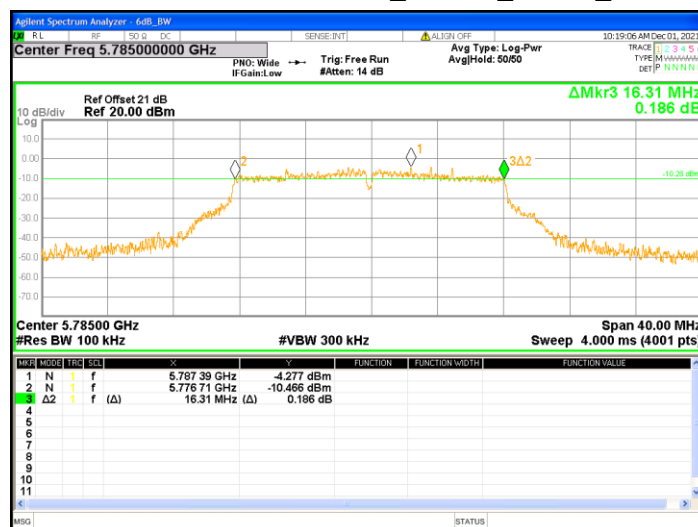
Temperature (°C) :	21
Relative Humidity (%) :	66
Test date :	2021/12/01

Mode	Channel	Frequency (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Upper Frequency (MHz)	Upper Limit (MHz)	Lower Frequency (MHz)	Lower Limit (MHz)
802.11a	36	5180	17.108	21.20				
	44	5220	17.192	21.30				
	48	5240	17.164	21.38	5248.54	5250		
	52	5260	17.081	21.00				
	60	5300	17.038	21.02				
	64	5320	17.104	21.18				
	100	5500	17.076	21.06				
	116	5580	17.069	21.32				
	140	5700	17.112	21.08				
	149	5745	17.040	21.44			5736.32	5725
	157	5785	17.021	21.18				
	165	5825	16.963	21.50				
802.11ac (VHT20)	36	5180	18.150	23.42				
	44	5220	18.299	25.24				
	48	5240	18.277	22.30	5249.06	5250		
	52	5260	18.128	21.72				
	60	5300	18.164	21.34				
	64	5320	18.181	26.10				
	100	5500	18.164	21.60				
	116	5580	18.095	22.32				
	140	5700	18.075	21.58				
	149	5745	18.067	21.34			5735.84	5725
	157	5785	18.158	21.26				
	165	5825	18.097	21.20				
802.11ac (VHT40)	38	5190	36.557	48.56				
	46	5230	36.354	47.04	5248.16	5250		
	54	5270	36.418	50.88				
	62	5310	36.363	48.52				
	102	5510	36.263	41.12				
	110	5550	36.382	41.40				
	134	5670	36.378	40.44				
	151	5755	36.226	40.04			5736.72	5725
802.11ac (VHT80)	159	5795	36.213	39.52				
	42	5210	75.721	94.08	5247.92	5250		
	58	5290	75.856	96.40				
	106	5530	75.561	80.80				
	155	5775	75.633	80.72			5736.68	5725

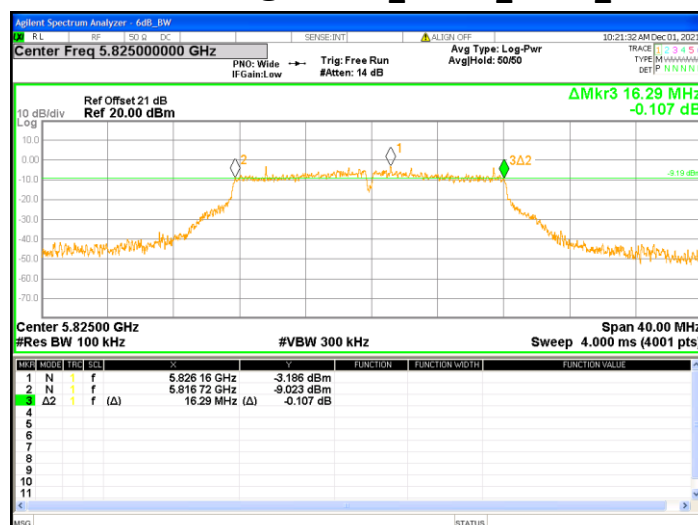
6dB Bandwidth @802.11a_Chain0_Ch149_5745



6dB Bandwidth @802.11a_Chain0_Ch157_5785



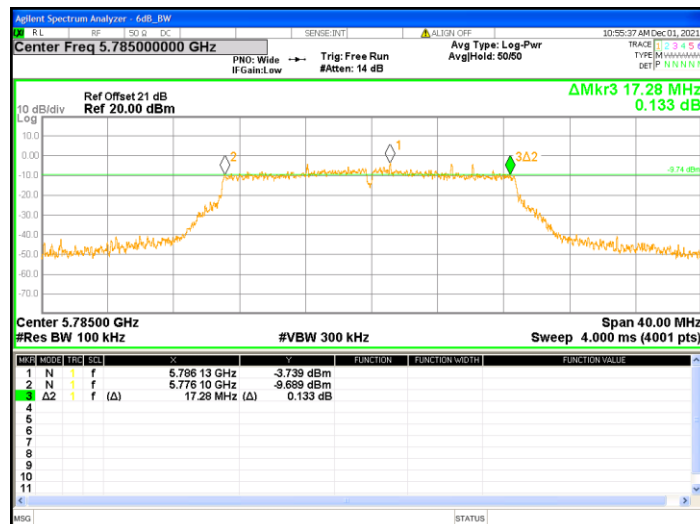
6dB Bandwidth @802.11a_Chain0_Ch165_5825



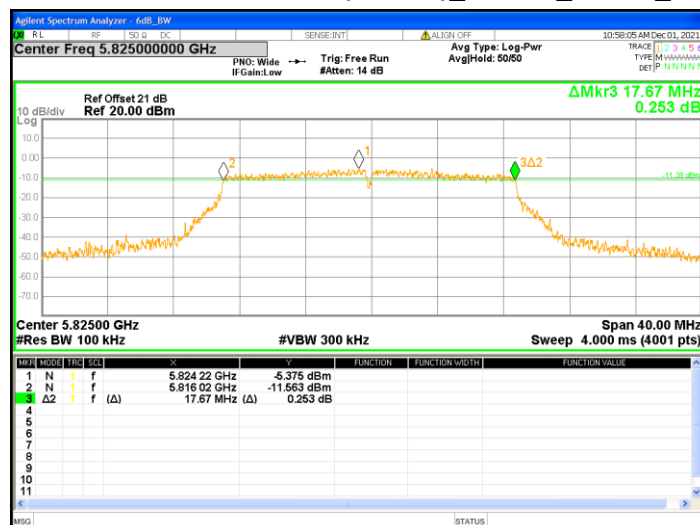
6dB Bandwidth @802.11ac(VHT20)_Chain0_Ch149_5745



6dB Bandwidth @802.11ac(VHT20)_Chain0_Ch157_5785



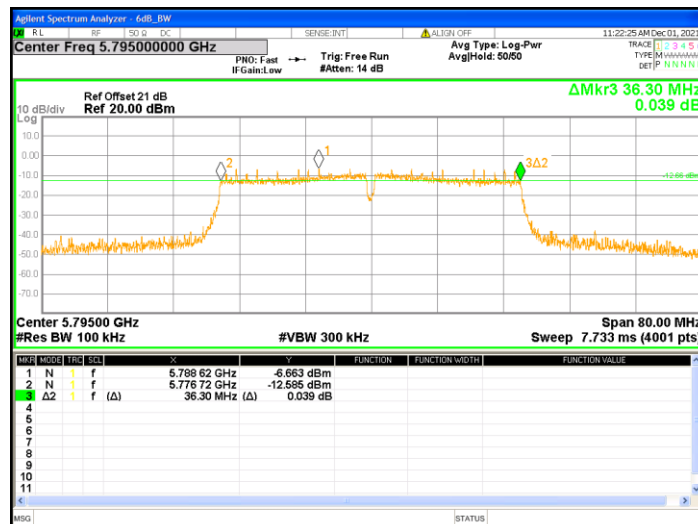
6dB Bandwidth @802.11ac(VHT20)_Chain0_Ch165_5825



6dB Bandwidth @802.11ac(VHT40)_Chain0_Ch151_5755



6dB Bandwidth @802.11ac(VHT40)_Chain0_Ch159_5795



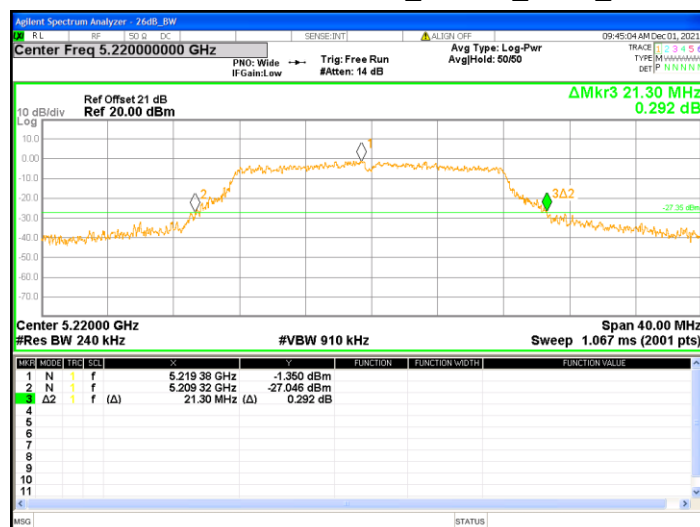
6dB Bandwidth @802.11ac(VHT80)_Chain0_Ch155_5775



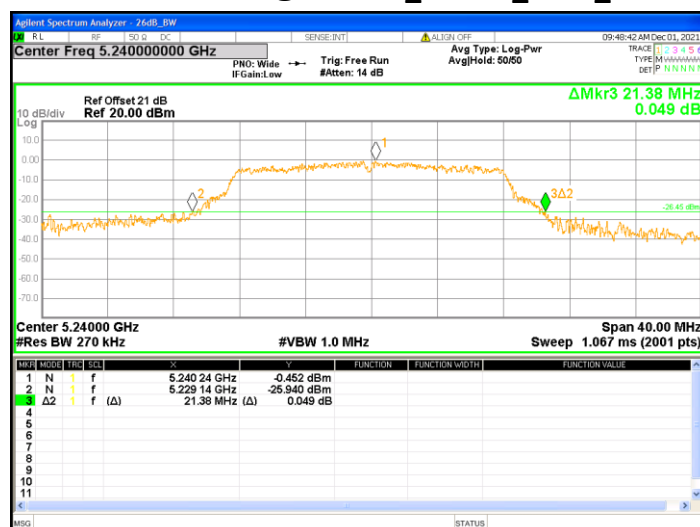
26dB Bandwidth @802.11a_Chain0_Ch36_5180



26dB Bandwidth @802.11a_Chain0_Ch44_5220



26dB Bandwidth @802.11a_Chain0_Ch48_5240



26dB Bandwidth @802.11a_Chain0_Ch52_5260



26dB Bandwidth @802.11a_Chain0_Ch60_5300



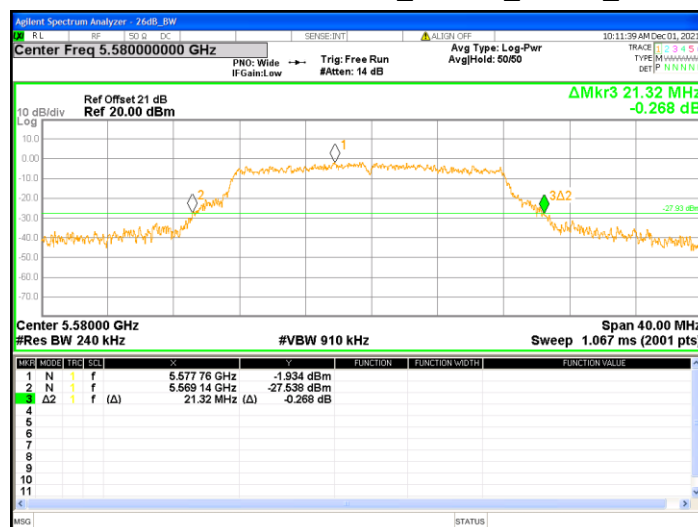
26dB Bandwidth @802.11a_Chain0_Ch64_5320



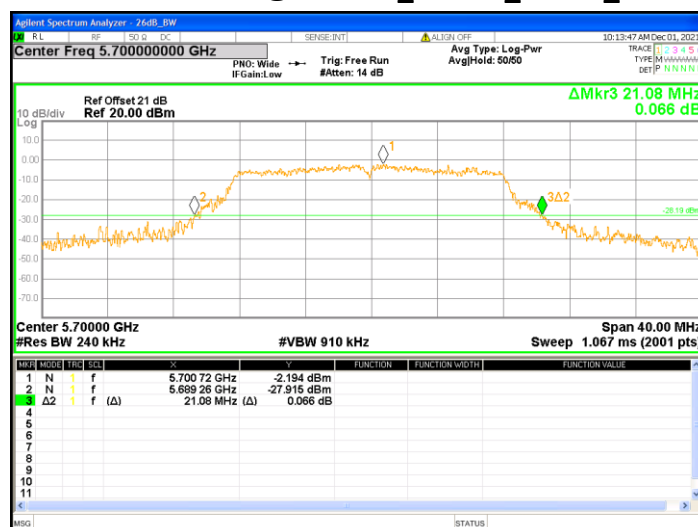
26dB Bandwidth @802.11a_Chain0_Ch100_5500



26dB Bandwidth @802.11a_Chain0_Ch116_5580



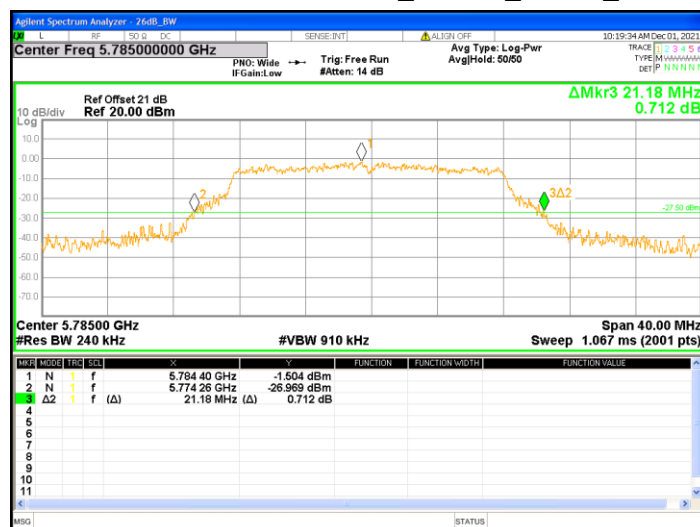
26dB Bandwidth @802.11a_Chain0_Ch140_5700



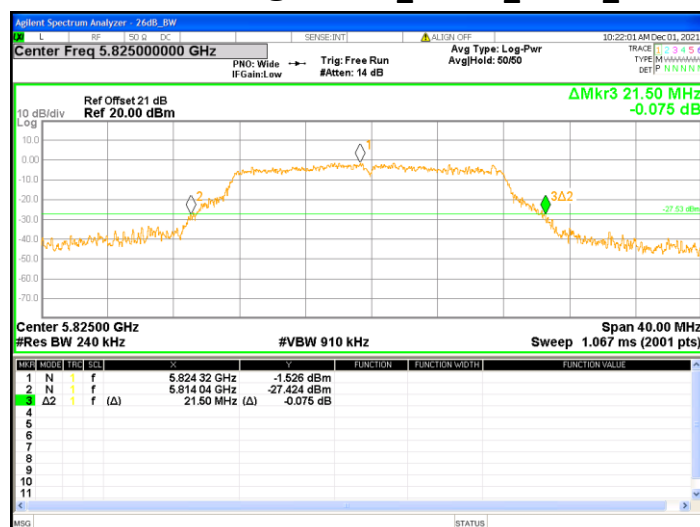
26dB Bandwidth @802.11a_Chain0_Ch149_5745



26dB Bandwidth @802.11a_Chain0_Ch157_5785



26dB Bandwidth @802.11a_Chain0_Ch165_5825



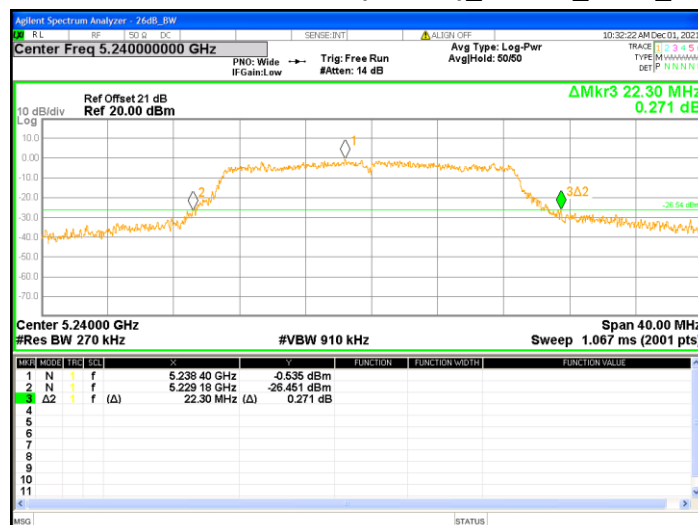
26dB Bandwidth @802.11ac(VHT20)_Chain0_Ch36_5180



26dB Bandwidth @802.11ac(VHT20)_Chain0_Ch44_5220



26dB Bandwidth @802.11ac(VHT20)_Chain0_Ch48_5240



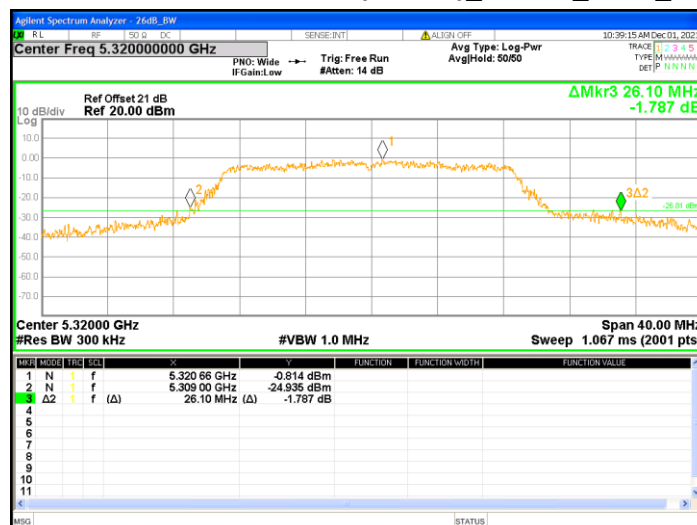
26dB Bandwidth @802.11ac(VHT20)_Chain0_Ch52_5260



26dB Bandwidth @802.11ac(VHT20)_Chain0_Ch60_5300



26dB Bandwidth @802.11ac(VHT20)_Chain0_Ch64_5320



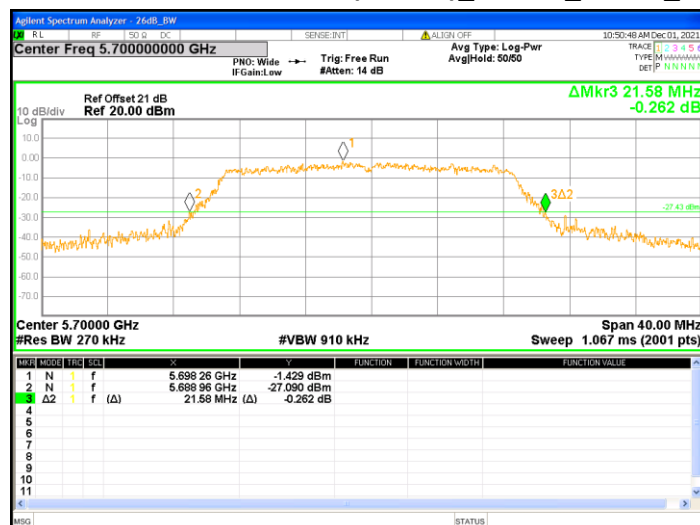
26dB Bandwidth @802.11ac(VHT20)_Chain0_Ch100_5500



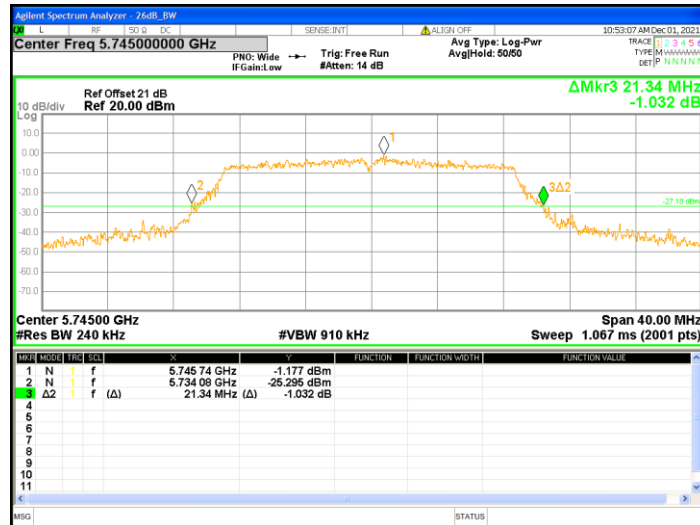
26dB Bandwidth @802.11ac(VHT20)_Chain0_Ch116_5580



26dB Bandwidth @802.11ac(VHT20)_Chain0_Ch140_5700



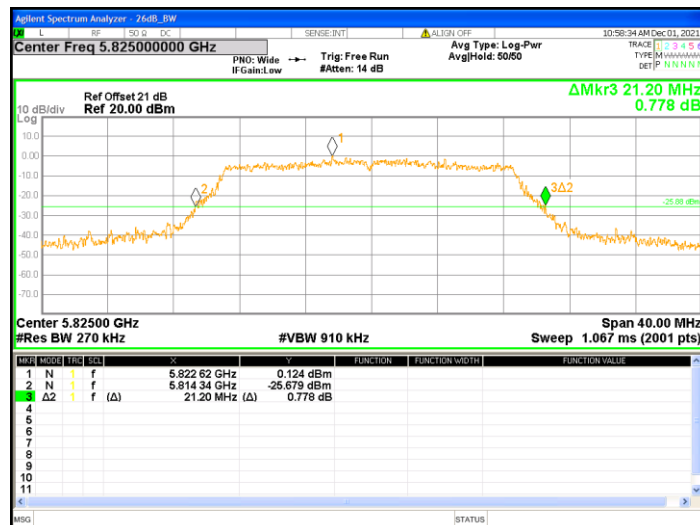
26dB Bandwidth @802.11ac(VHT20)_Chain0_Ch149_5745



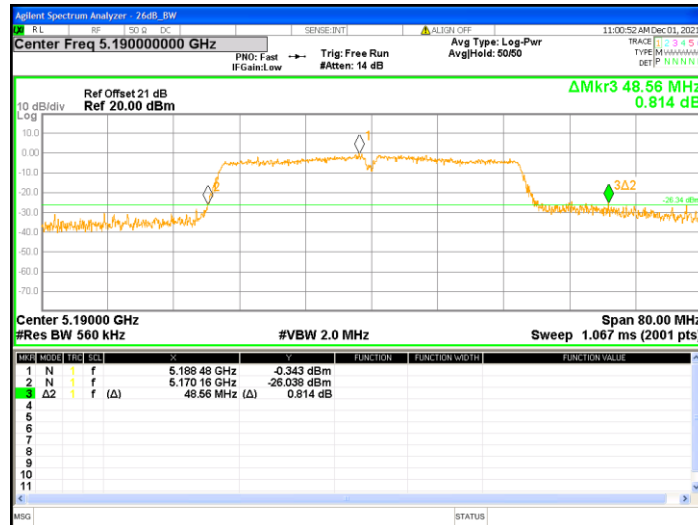
26dB Bandwidth @802.11ac(VHT20)_Chain0_Ch157_5785



26dB Bandwidth @802.11ac(VHT20)_Chain0_Ch165_5825



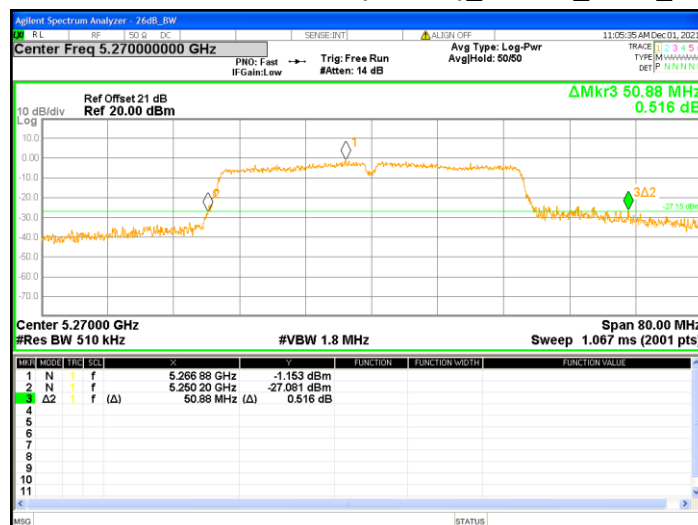
26dB Bandwidth @802.11ac(VHT40)_Chain0_Ch38_5190



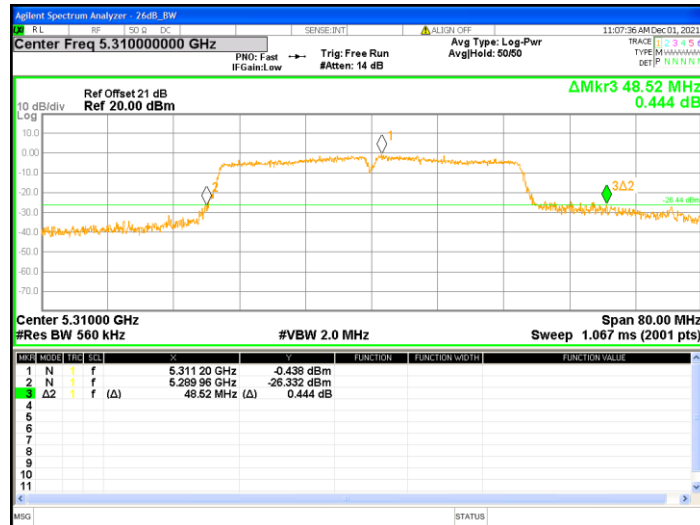
26dB Bandwidth @802.11ac(VHT40)_Chain0_Ch46_5230



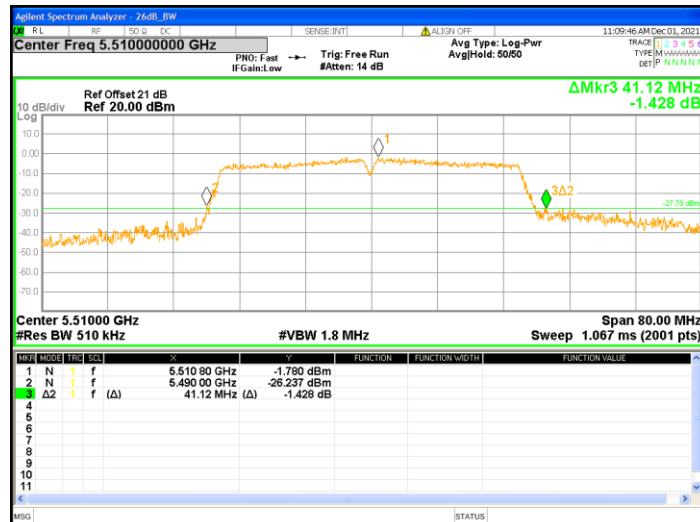
26dB Bandwidth @802.11ac(VHT40)_Chain0_Ch54_5270



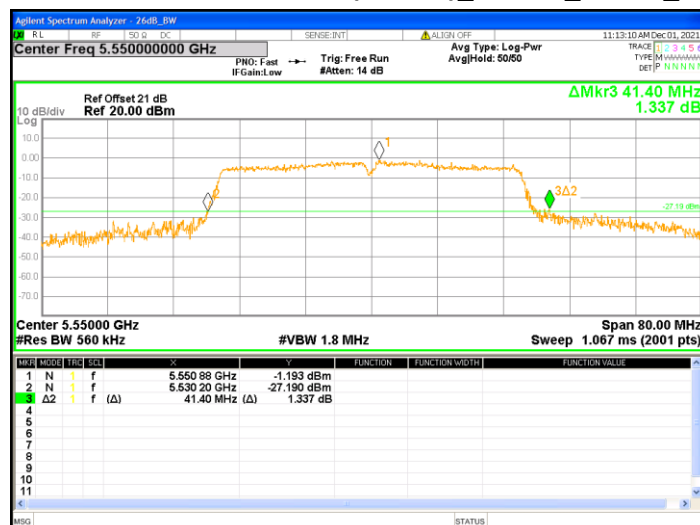
26dB Bandwidth @802.11ac(VHT40)_Chain0_Ch62_5310



26dB Bandwidth @802.11ac(VHT40)_Chain0_Ch102_5510



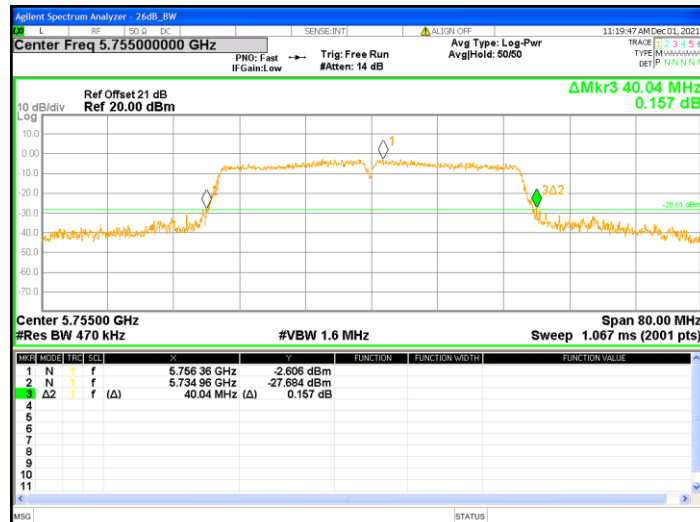
26dB Bandwidth @802.11ac(VHT40)_Chain0_Ch110_5550



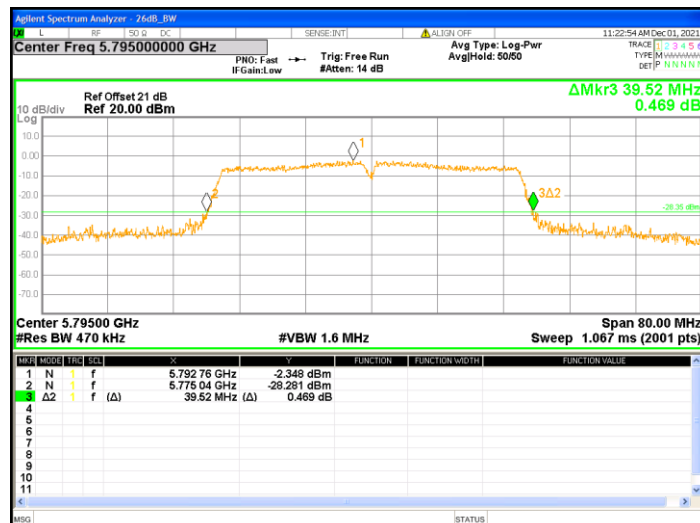
26dB Bandwidth @802.11ac(VHT40)_Chain0_Ch134_5670



26dB Bandwidth @802.11ac(VHT40)_Chain0_Ch151_5755



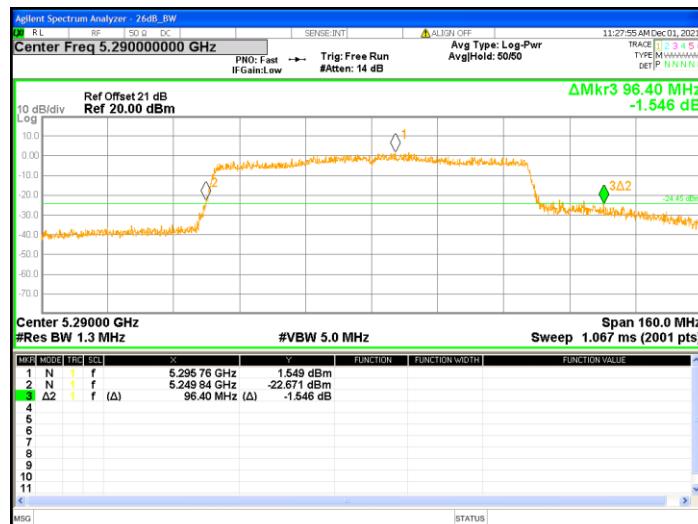
26dB Bandwidth @802.11ac(VHT40)_Chain0_Ch159_5795



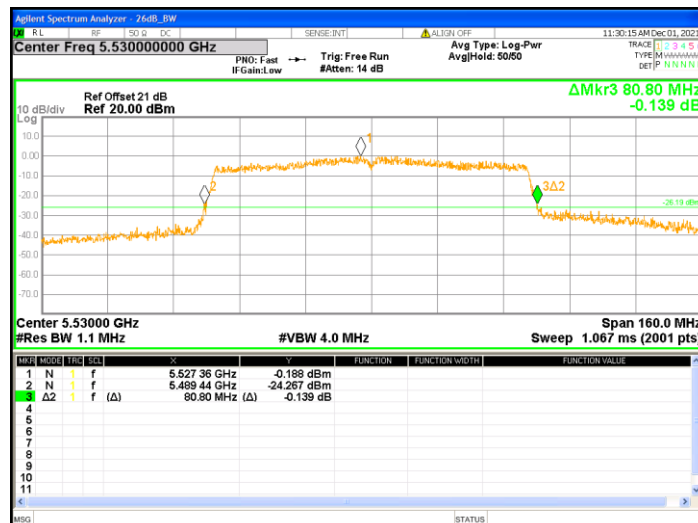
26dB Bandwidth @802.11ac(VHT80)_Chain0_Ch42_5210



26dB Bandwidth @802.11ac(VHT80)_Chain0_Ch58_5290



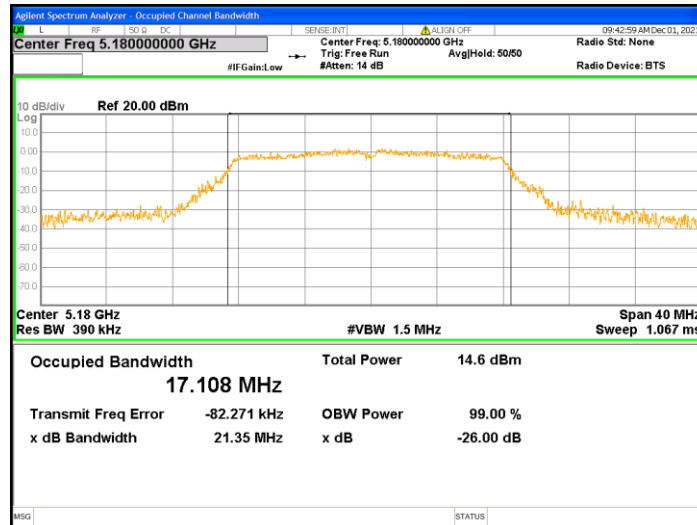
26dB Bandwidth @802.11ac(VHT80)_Chain0_Ch106_5530



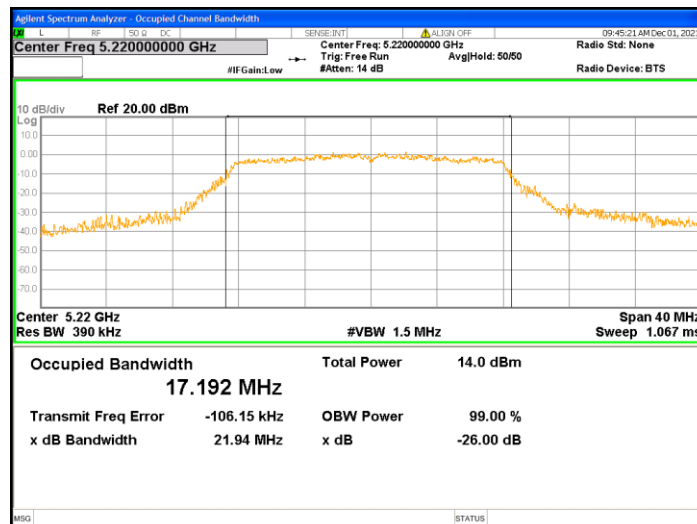
26dB Bandwidth @802.11ac(VHT80)_Chain0_Ch155_5775



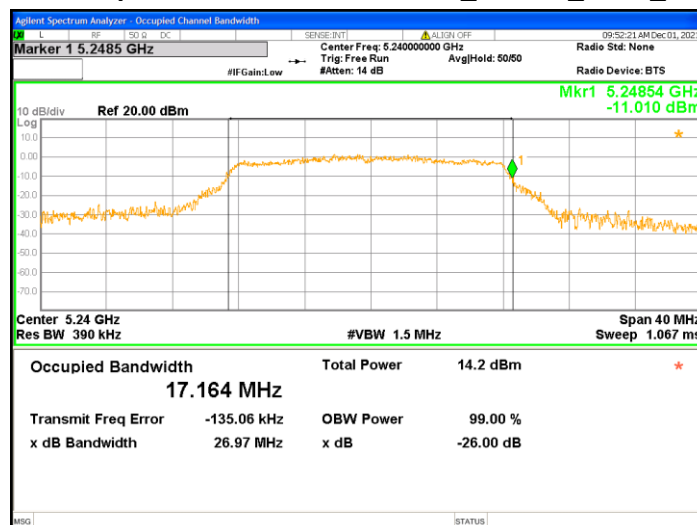
99% Occupied Bandwidth@802.11a_Chain0_Ch36_5180



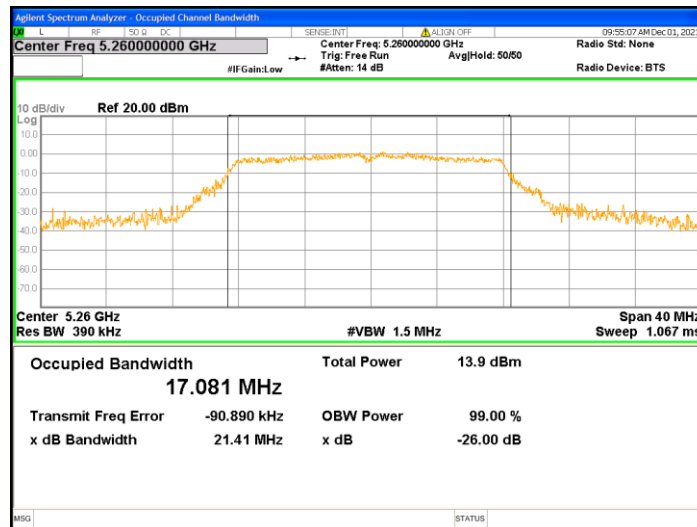
99% Occupied Bandwidth@802.11a_Chain0_Ch44_5220



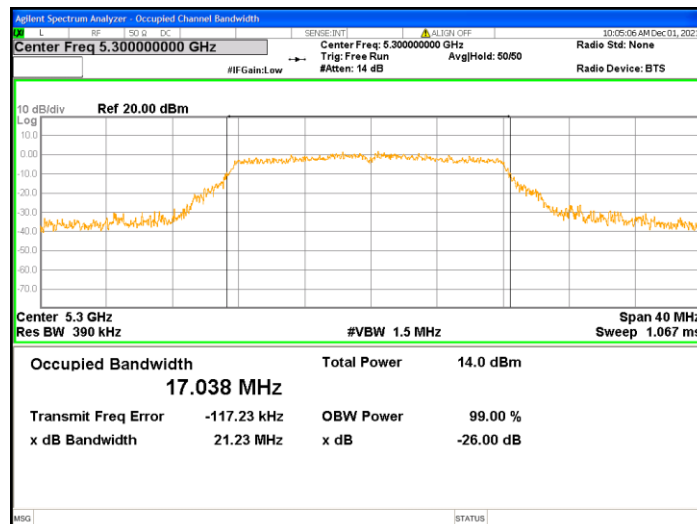
99% Occupied Bandwidth@802.11a_Chain0_Ch48_5240



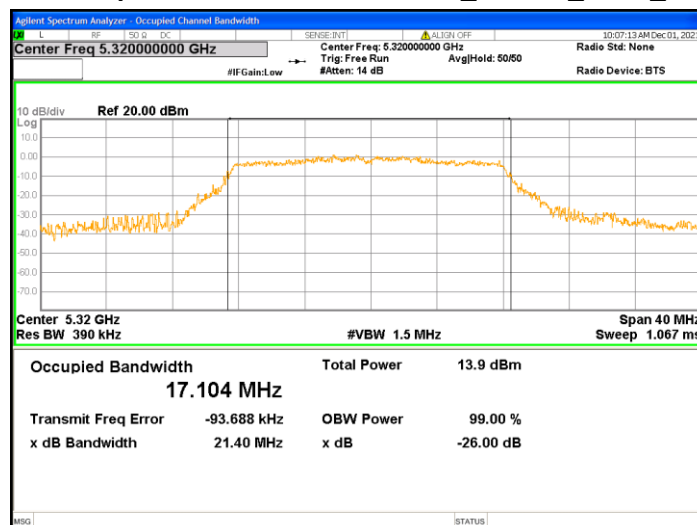
99% Occupied Bandwidth@802.11a_Chain0_Ch52_5260



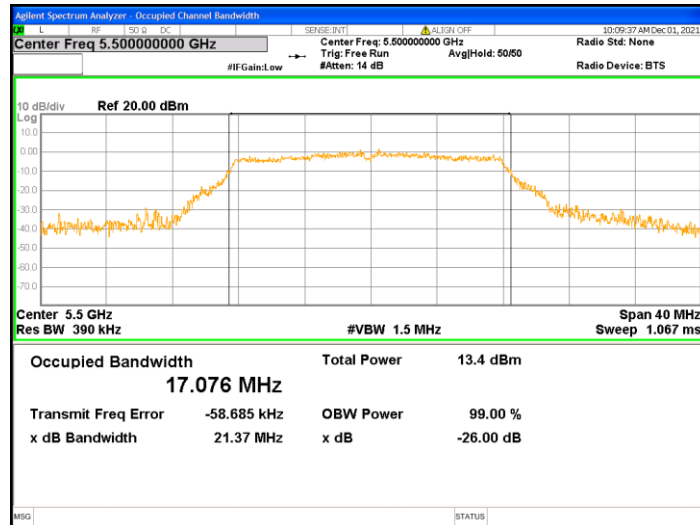
99% Occupied Bandwidth@802.11a_Chain0_Ch60_5300



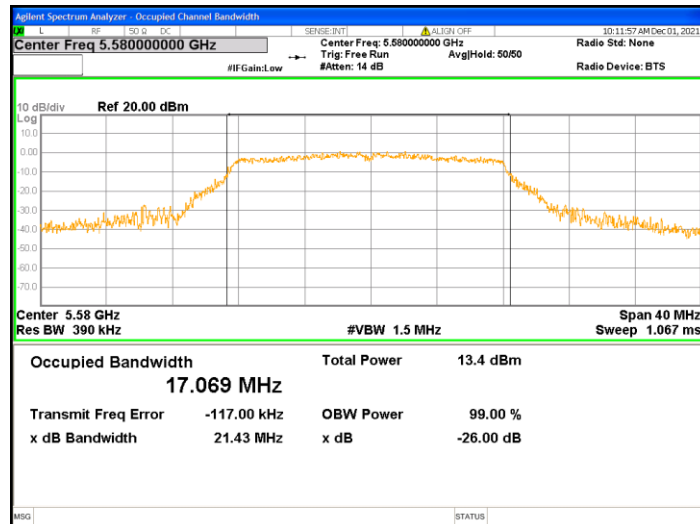
99% Occupied Bandwidth@802.11a_Chain0_Ch64_5320



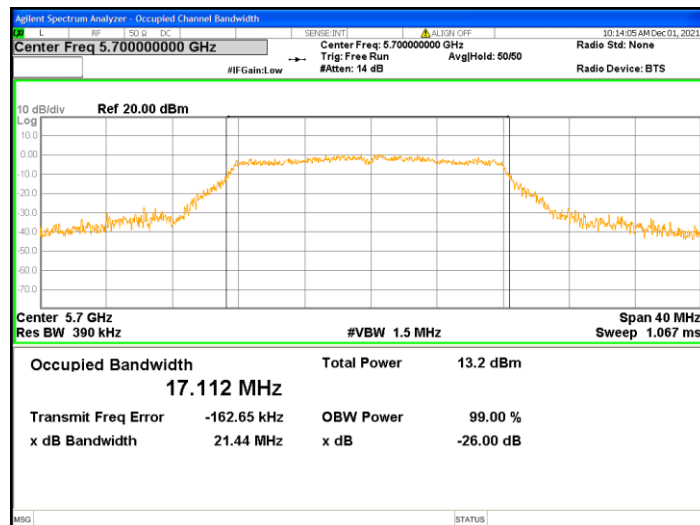
99% Occupied Bandwidth@802.11a_Chain0_Ch100_5500



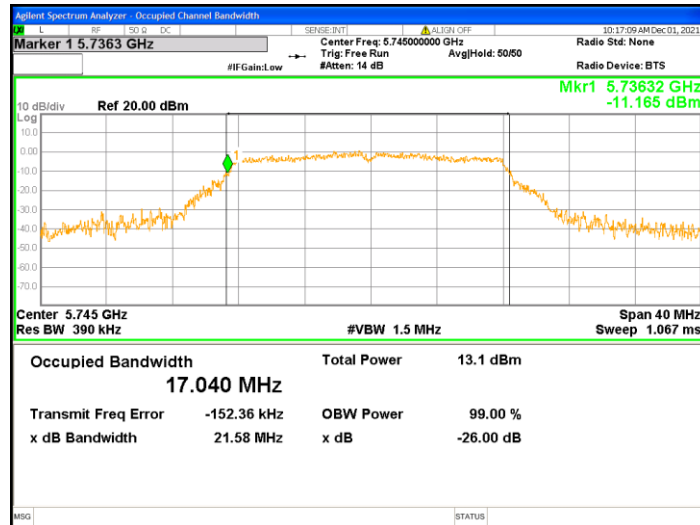
99% Occupied Bandwidth@802.11a_Chain0_Ch116_5580



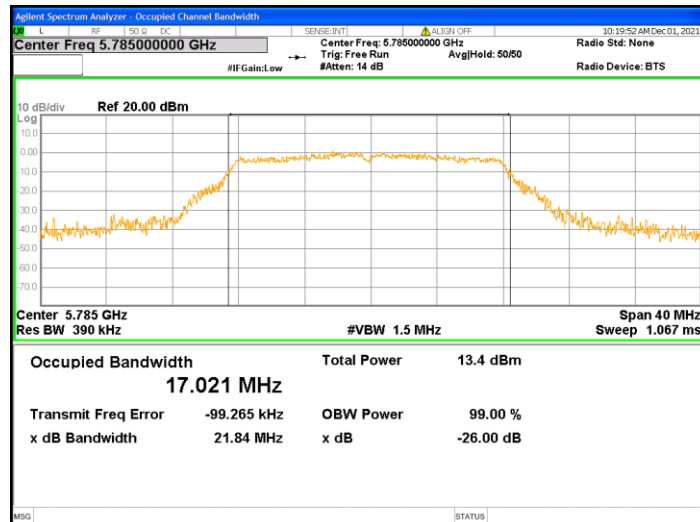
99% Occupied Bandwidth@802.11a_Chain0_Ch140_5700



99% Occupied Bandwidth@802.11a_Chain0_Ch149_5745



99% Occupied Bandwidth@802.11a_Chain0_Ch157_5785



99% Occupied Bandwidth@802.11a_Chain0_Ch165_5825

