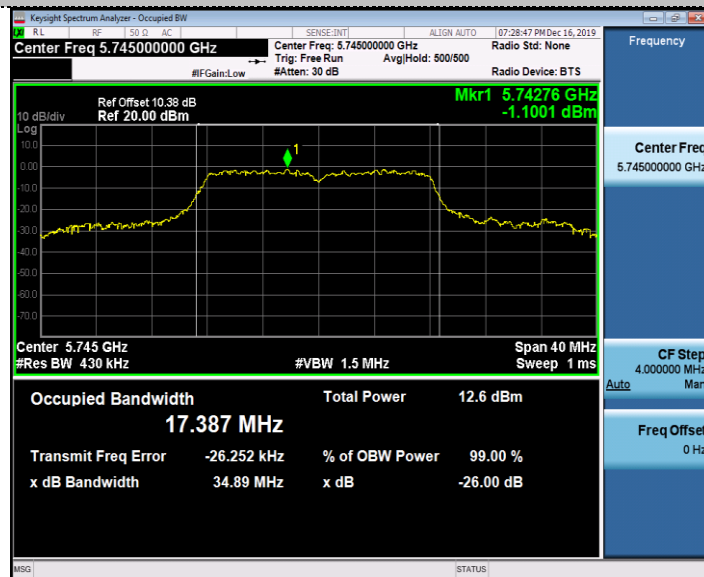
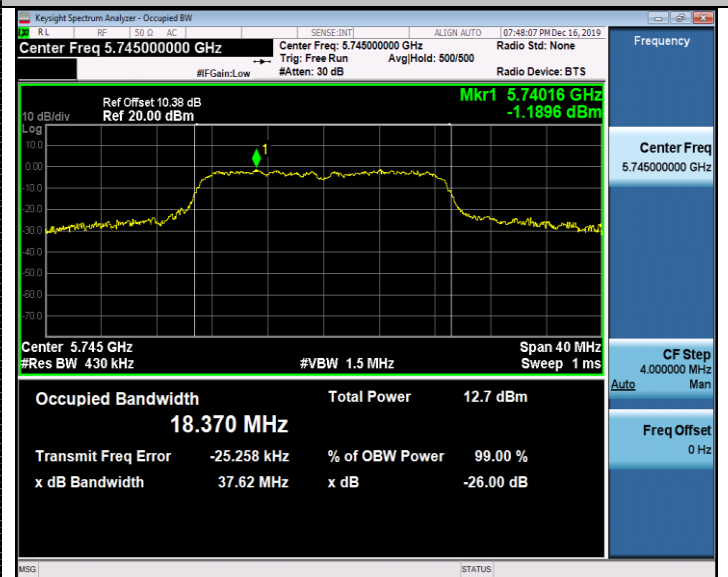


99%Bandwidth

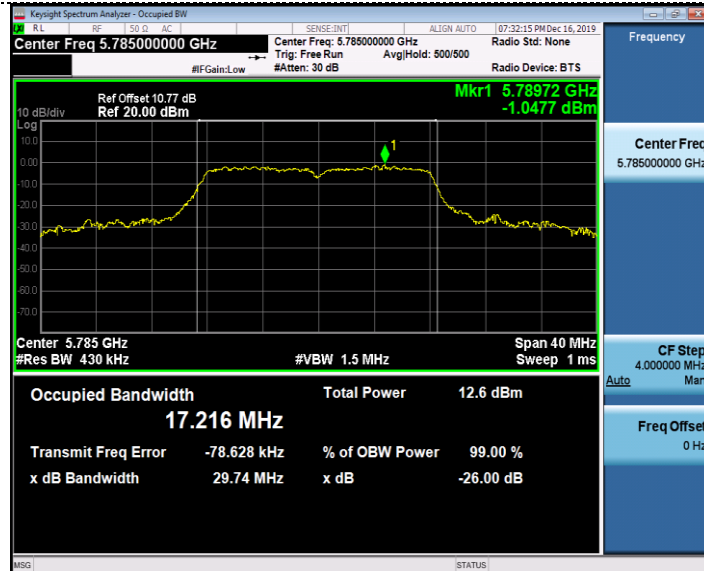
802.11a



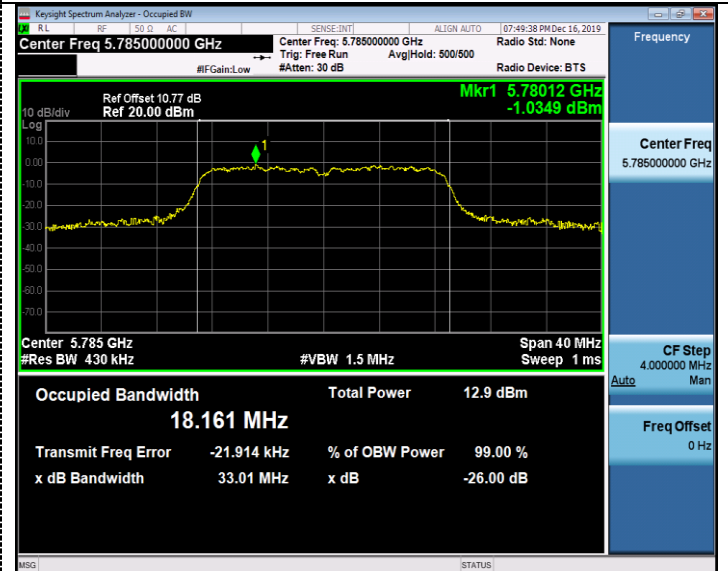
802.11n HT20



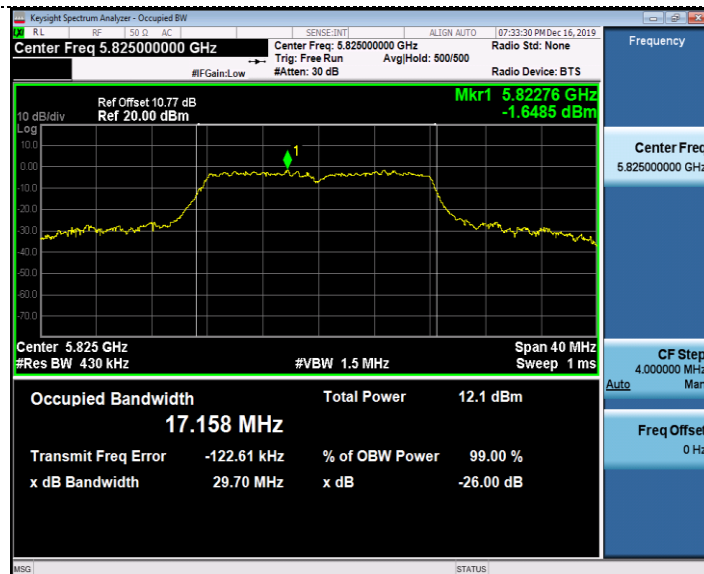
CH149



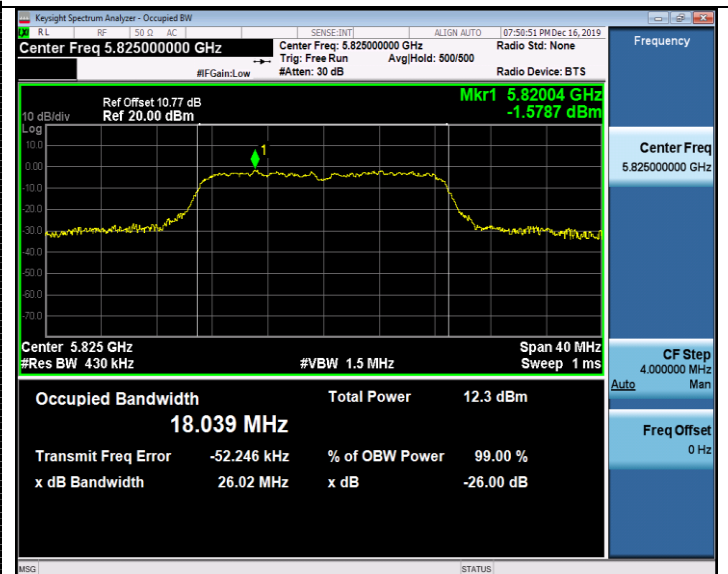
CH149



CH157



CH157

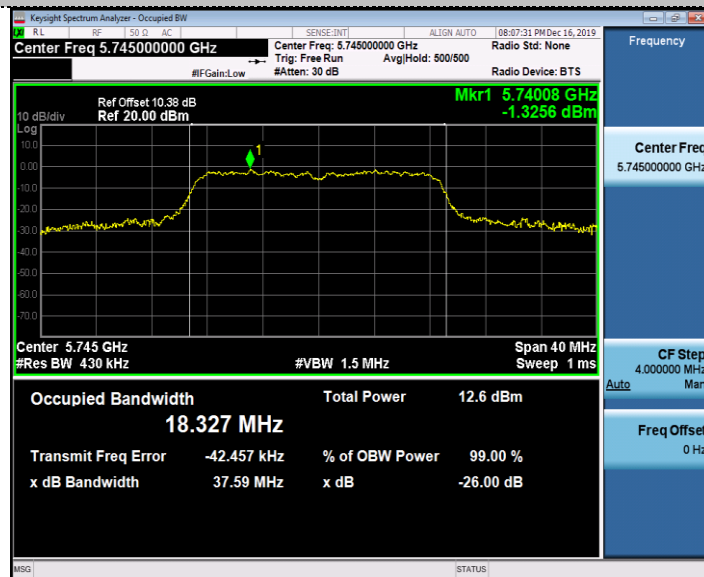


CH165

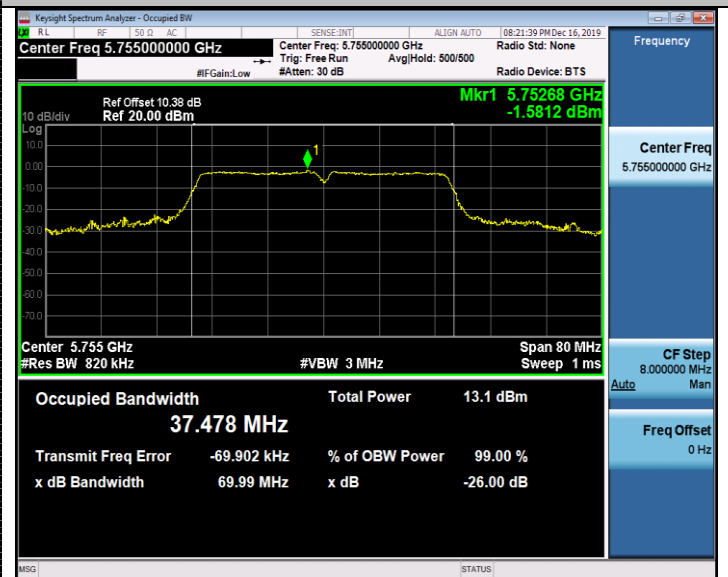
CH165

99%Bandwidth

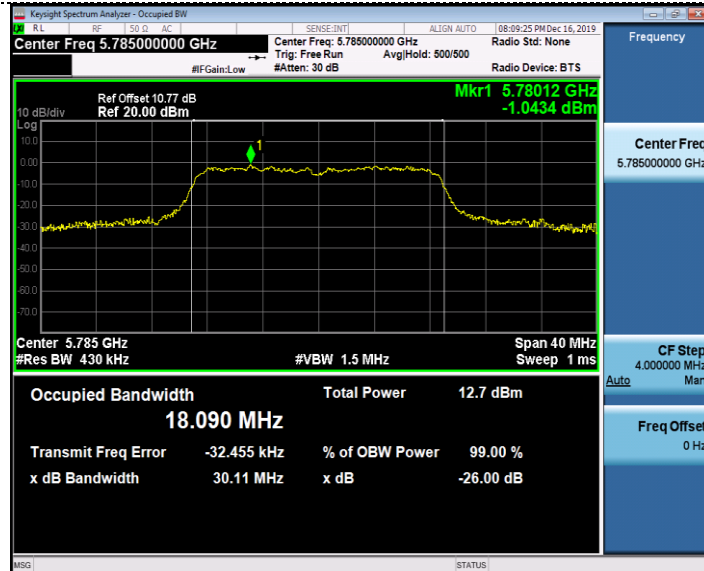
802.11ac20



802.11n HT40



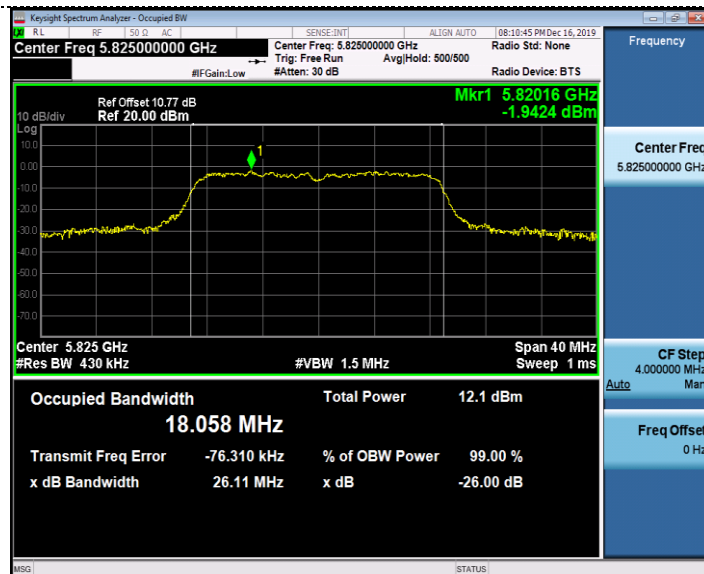
CH149



CH151



CH157



CH159

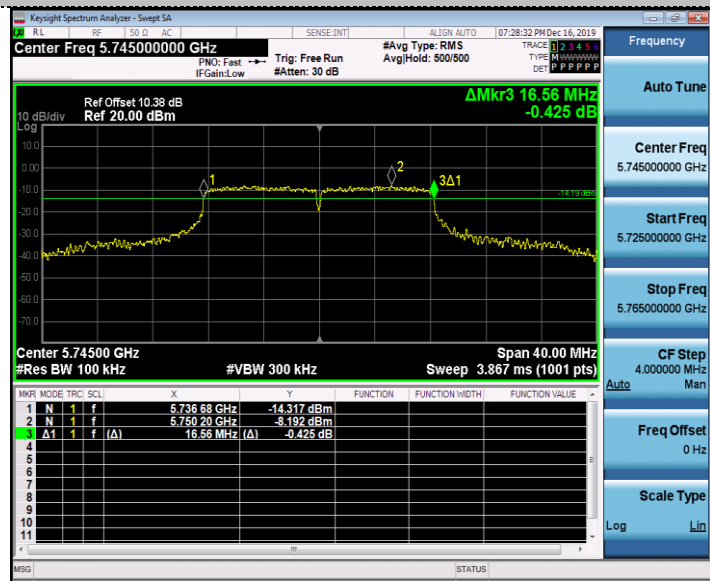


CH165

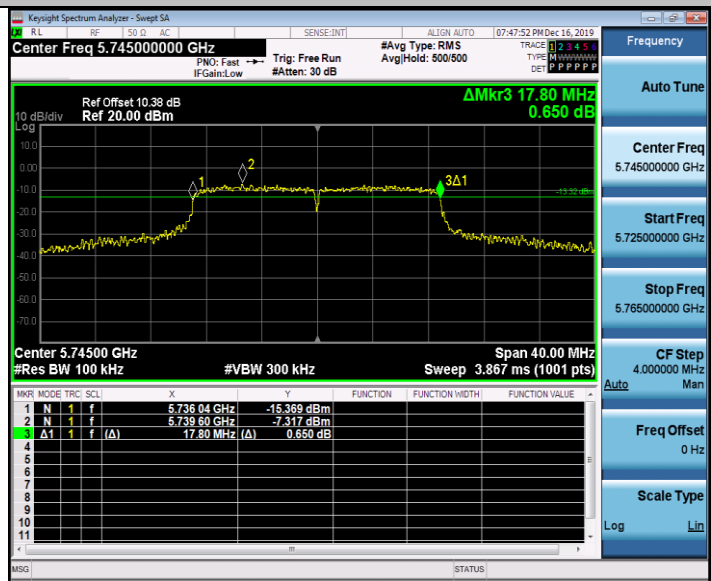


6dB Bandwidth

802.11a



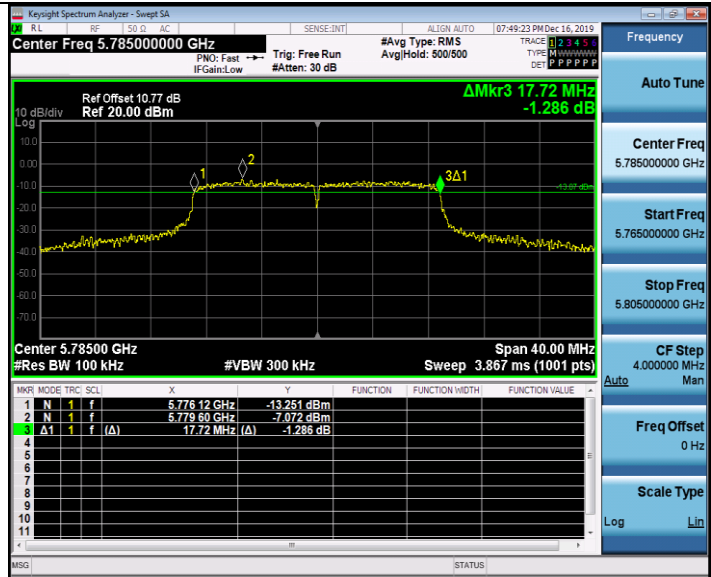
802.11n HT20



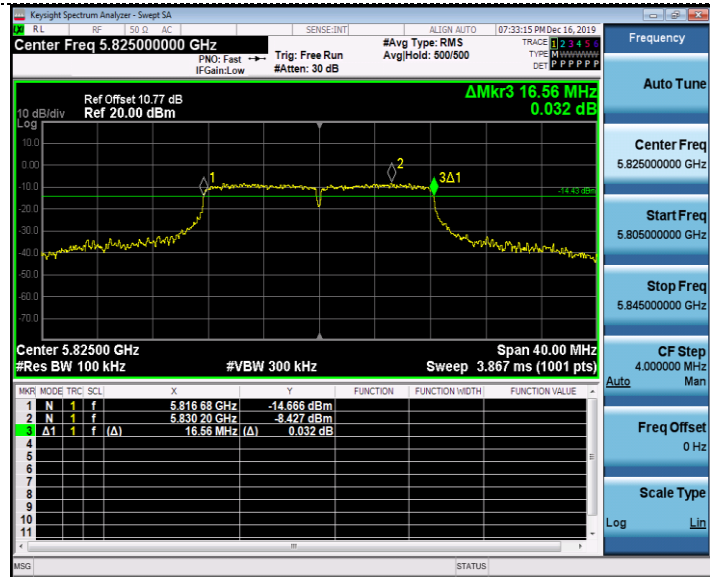
CH149



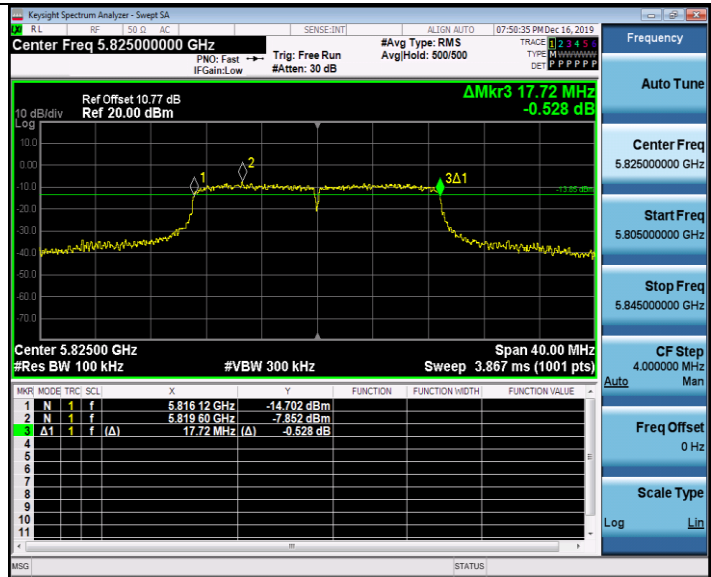
CH149



CH157



CH157



CH165

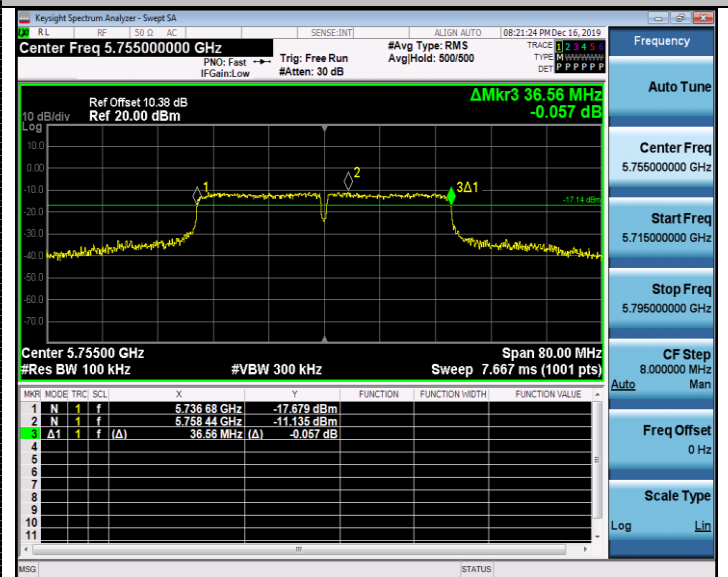
CH165

6dB Bandwidth

802.11ac20



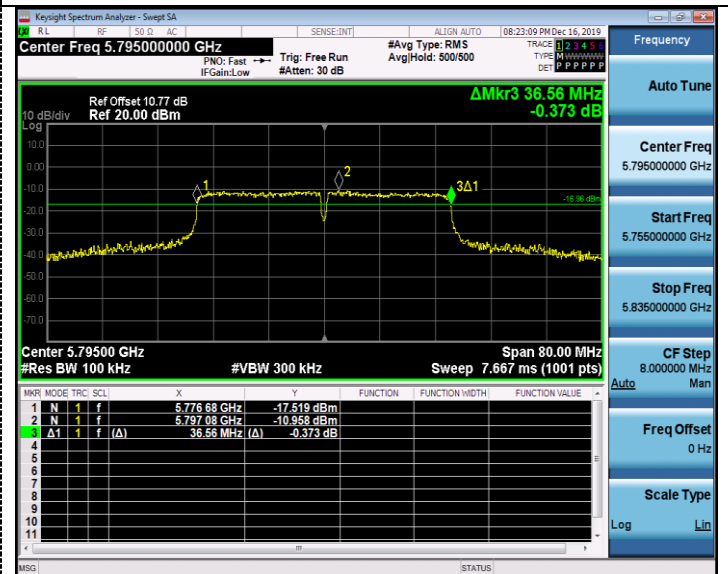
802.11n HT40



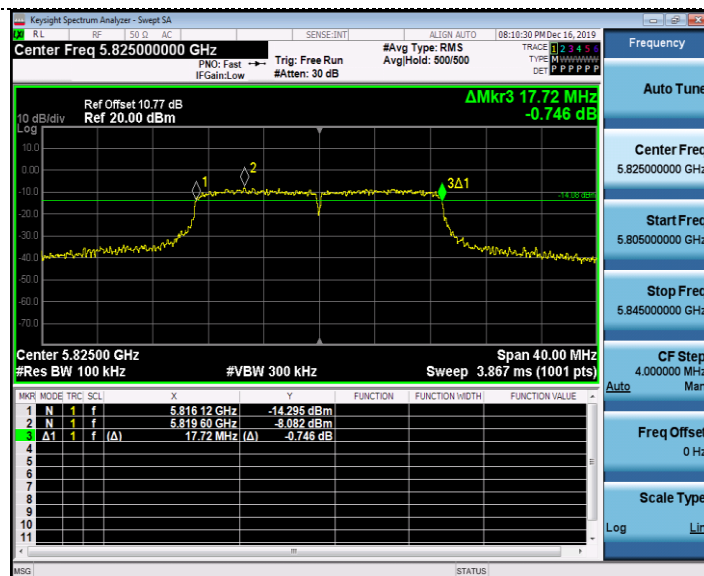
CH149



CH151



CH157



CH159

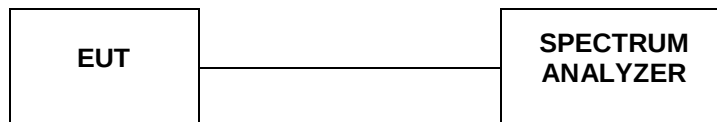


CH165



4.7. 26dBc Bandwidth

TEST CONFIGURATION



TEST PROCEDURE

According to KDB789033 D02 General UNII Test Procedures New Rules v01 for one of the following procedures may be used for Emission Bandwidth (EBW) measurement:

- Set RBW = 300 kHz (approximately 1% of the emission bandwidth).
- Set the video bandwidth (VBW) = 1000 KHz (VBW > RBW)
- Detector = Peak.
- Trace mode = max hold.
- Sweep = auto couple.
- Allow the trace to stabilize
- Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

Note: The automatic bandwidth measurement capability of a spectrum analyzer or EMI receiver may be employed if it implements the functionality described above.

LIMIT

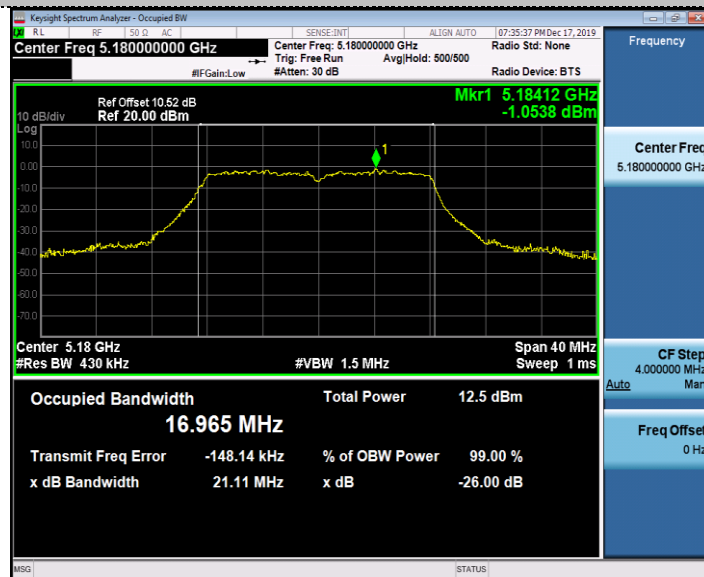
No Limits for 26dBc Bandwidth

TEST RESULTS

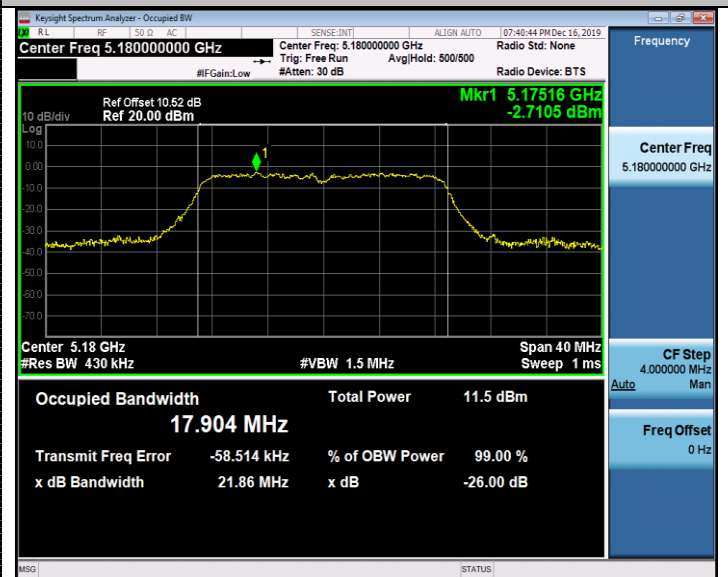
Type	Channel	99%Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (KHz)	Result
802.11a	36	16.965	20.280	-	Pass
	40	16.996	21.000		
	48	16.940	21.160		
802.11nHT20	36	17.904	21.360	-	Pass
	40	17.899	21.440		
	48	17.893	21.280		
802.11ac20	36	17.898	21.400	-	Pass
	40	17.859	21.280		
	48	17.881	21.120		
802.11n40	38	36.998	43.360	-	Pass
	46	37.061	43.120		
802.11ac40	38	36.994	43.280	-	Pass
	46	37.073	43.520		
802.11ac80	155	75.677	83.680	-	Pass

99%Bandwidth

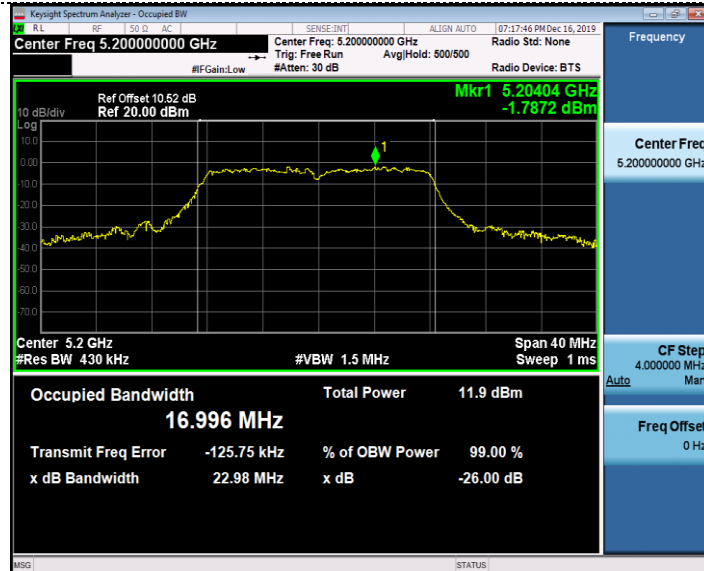
802.11a



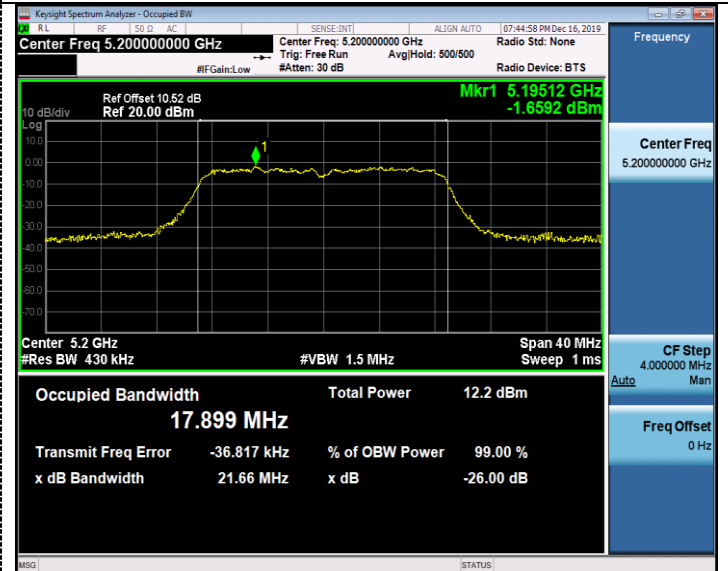
802.11n HT20



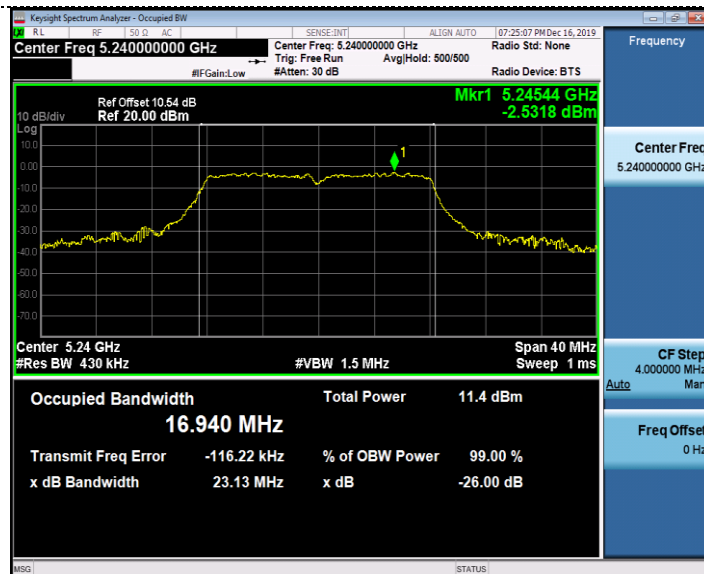
CH36



CH36



CH40



CH40

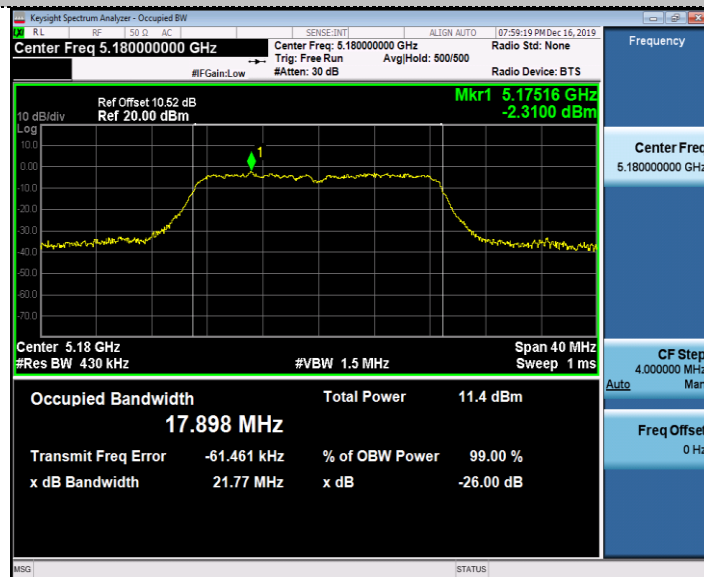


CH48

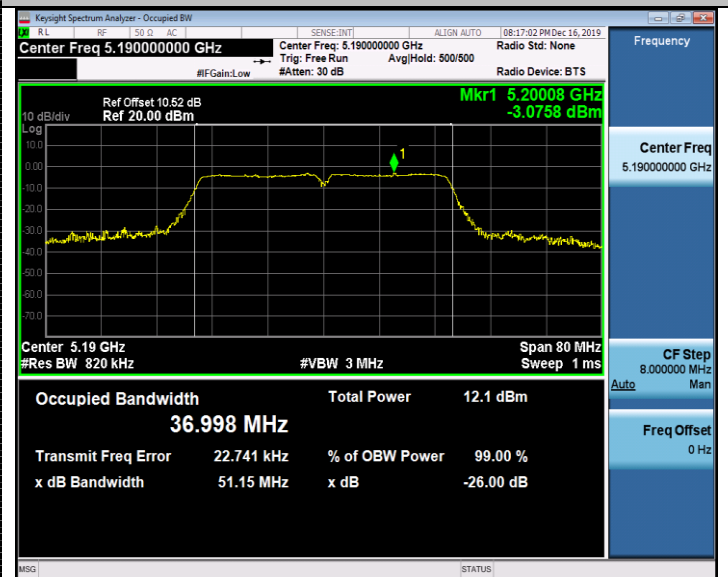
CH48

99%Bandwidth

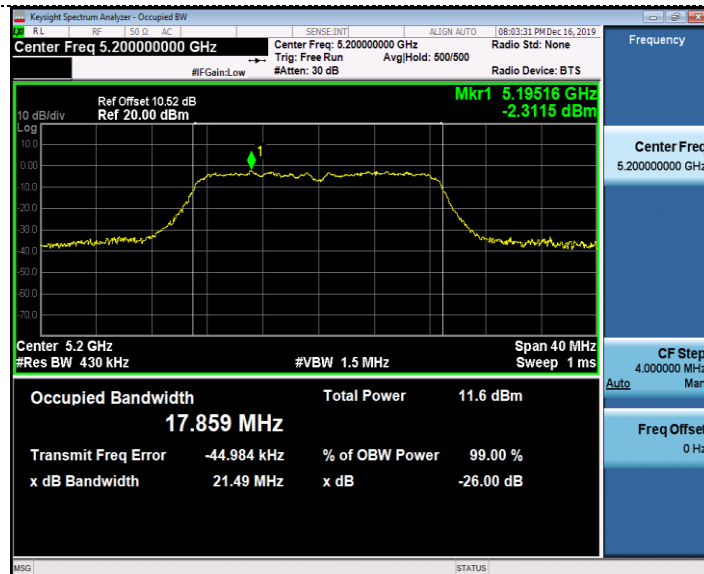
802.11ac20



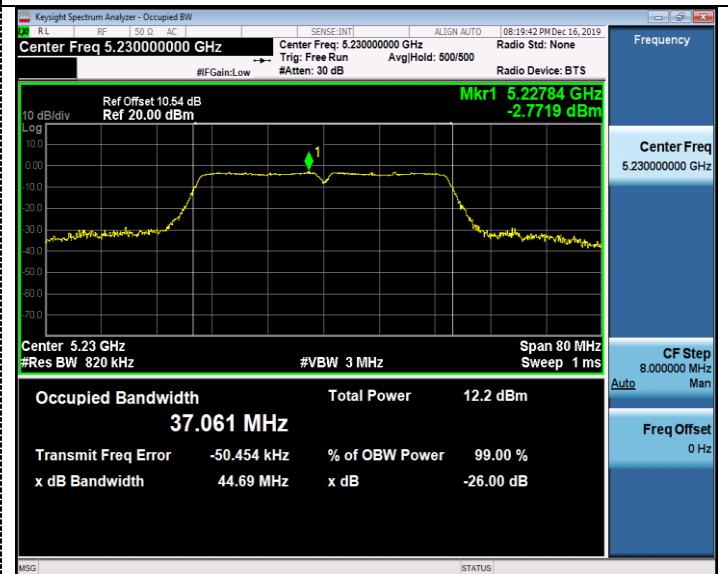
802.11n HT40



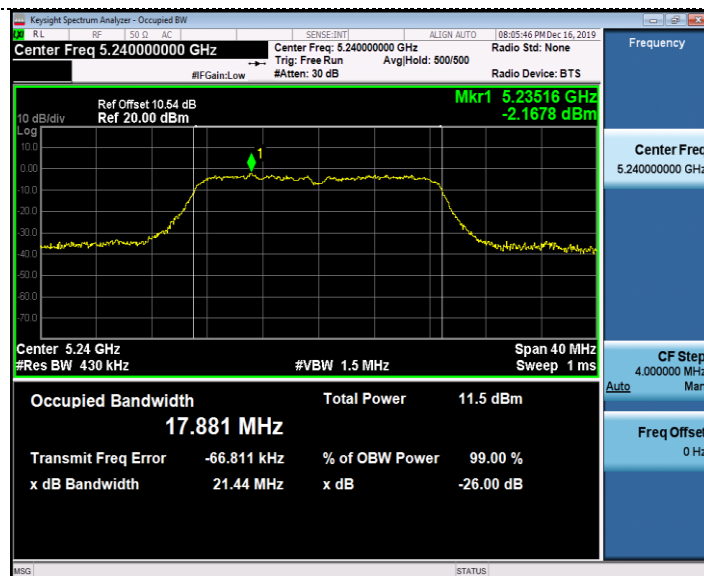
CH36



CH38



CH40



CH46



CH48



CH46

KeySight Spectrum Analyzer - Occupied BW

Center Freq 5.260000000 GHz

Center Freq: 5.260000000 GHz

Trig: Free Run

Avg/Hold: 500/500

Radio Std: None

Radio Device: BTS

Ref Offset 10.54 dB

Ref 20.00 dBm

Mkr1 5.25784 GHz

-2.7060 dBm

Center Freq 5.26 GHz

#Res BW 820 kHz

#VBW 3 MHz

Span 80 MHz

Sweep 1 ms

CF Step 8.000000 MHz

Auto

Man

Frequency

Center Freq 5.26000000 GHz

Occupied Bandwidth 37.073 MHz

Total Power 12.1 dBm

Transmit Freq Error -59.314 kHz

% of OBW Power 99.00 %

x dB Bandwidth 44.72 MHz

x dB -26.00 dB

MSG

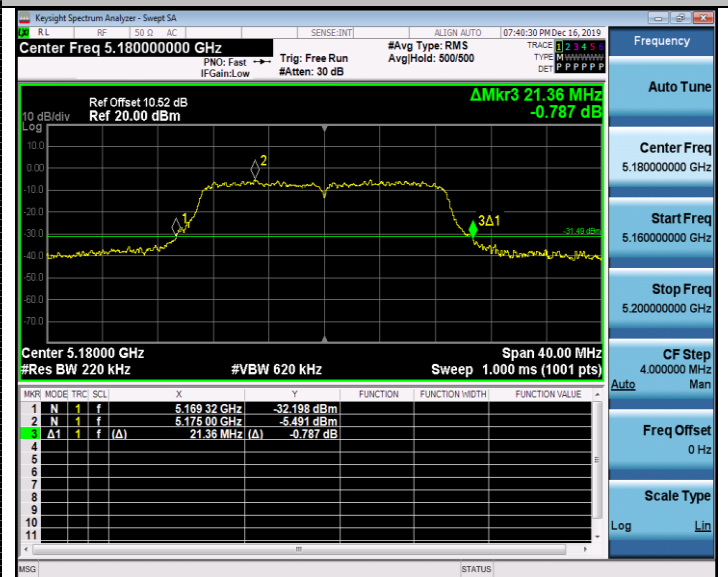
STATUS

26dB Bandwidth

802.11a



802.11n HT20



CH36



CH36



CH40



CH40



CH48

CH48