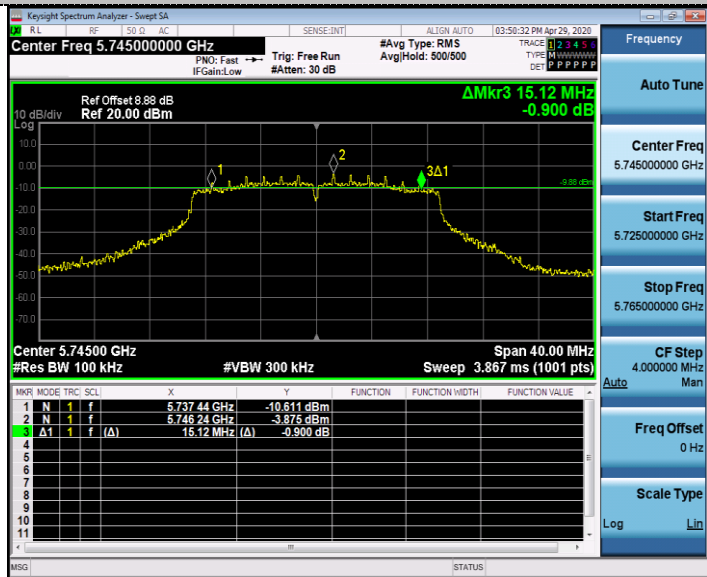
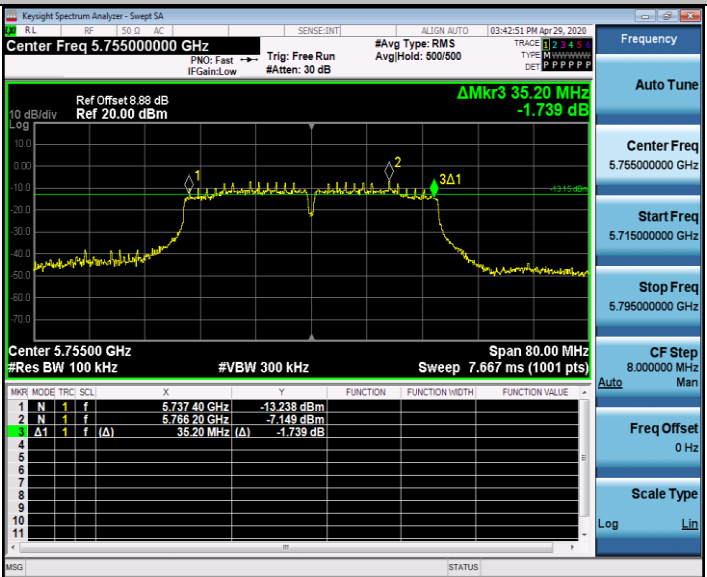


6dB Bandwidth

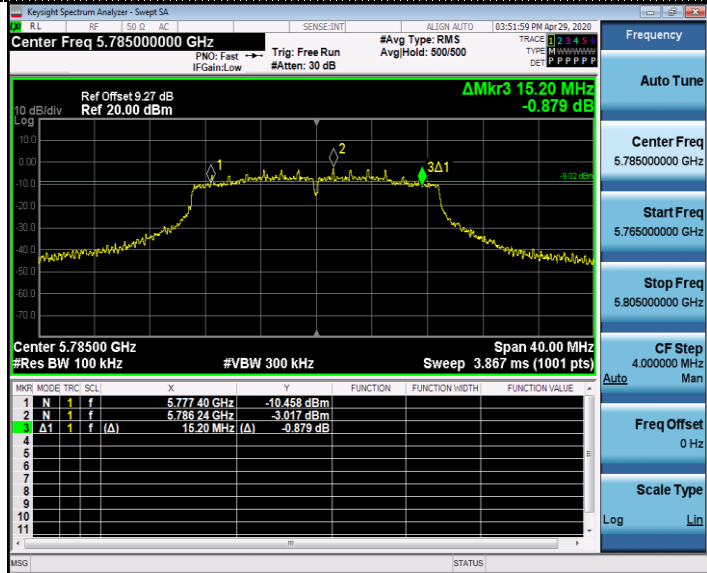
802.11ac20



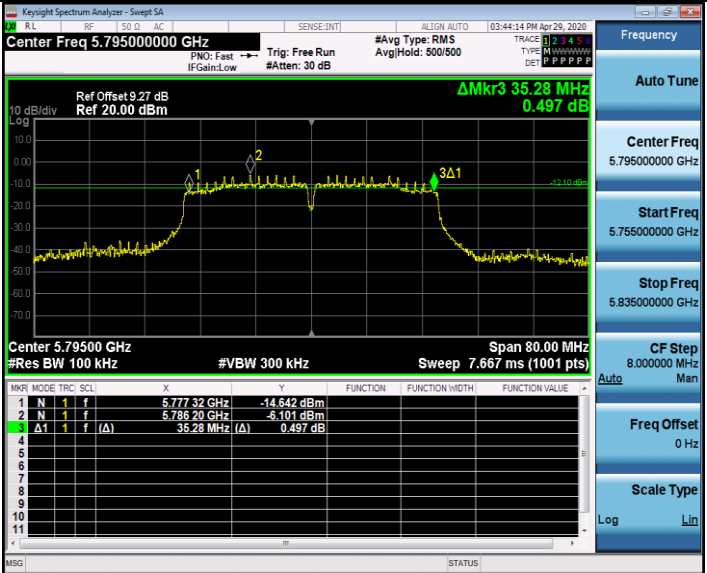
802.11n HT40



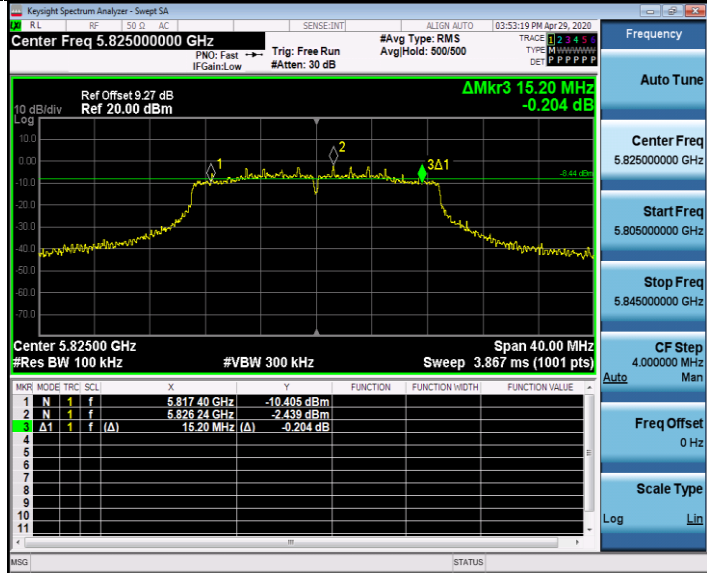
CH149



CH151



CH157



CH159



CH165



Antenna 1:

99%Bandwidth

802.11a

802.11n HT20



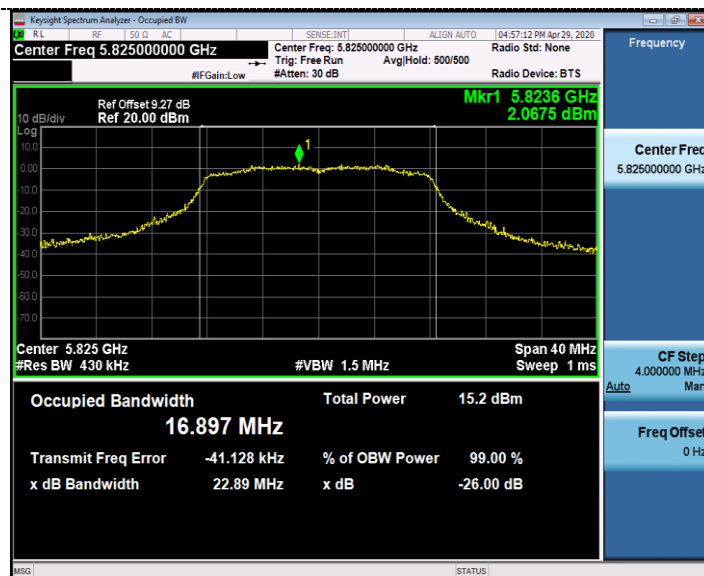
CH149

CH149



CH157

CH157



CH165

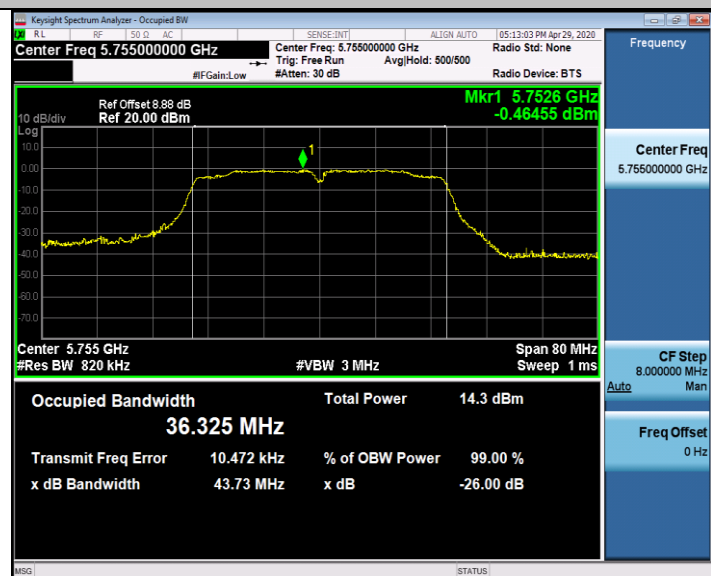
CH165

99%Bandwidth

802.11ac20



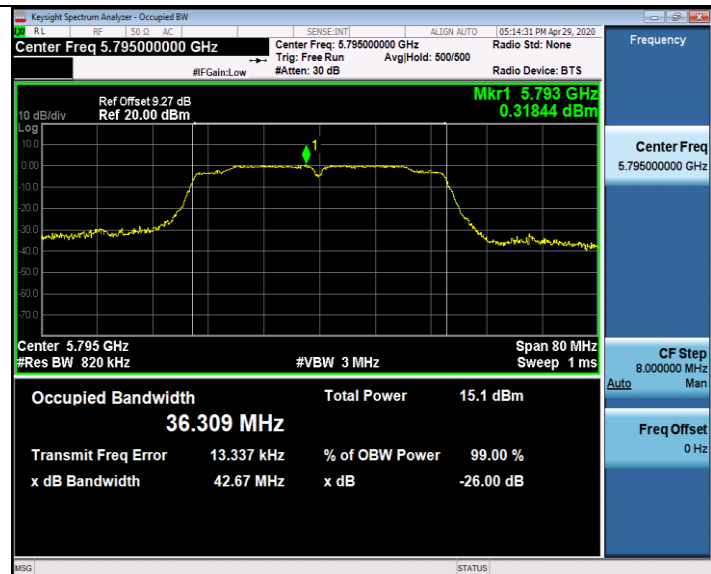
802.11n HT40



CH149



CH151



CH157



CH159

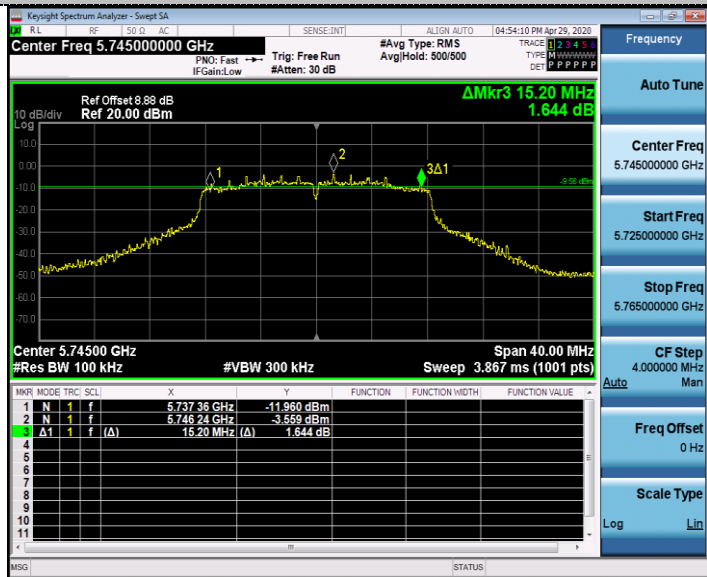


CH165

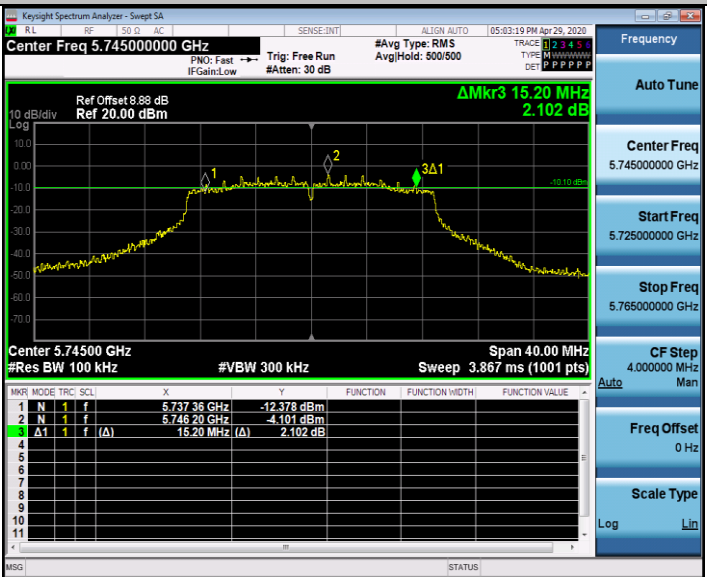


6dB Bandwidth

802.11a



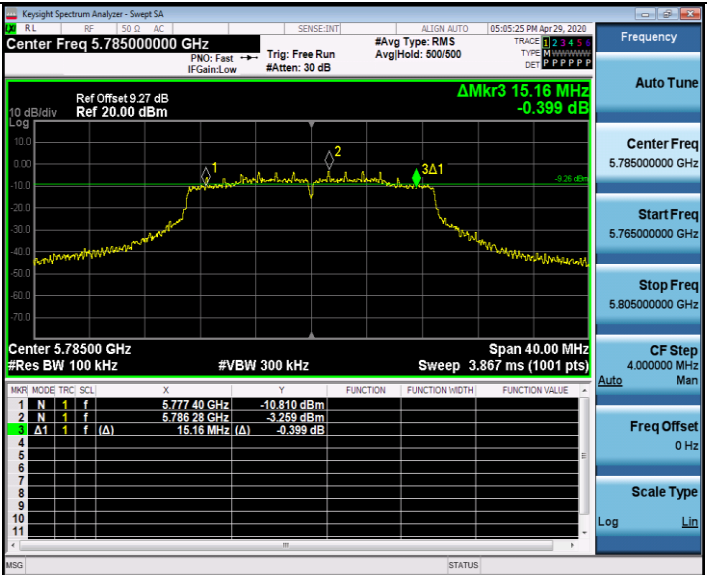
802.11n HT20



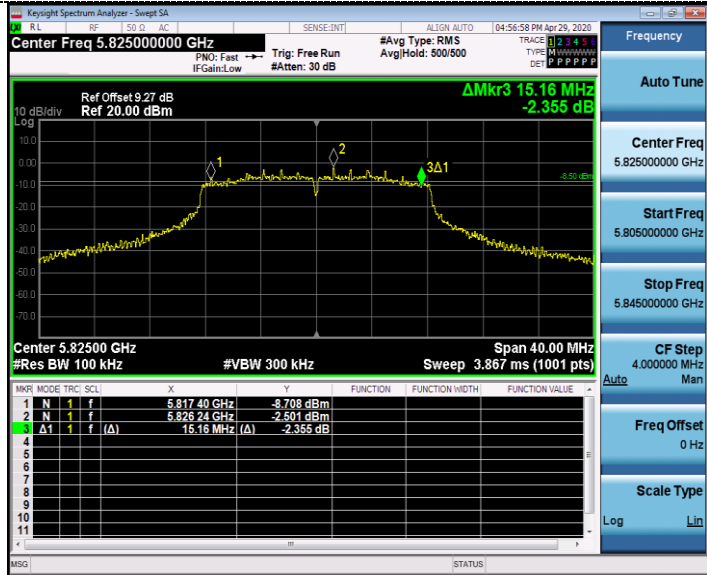
CH149



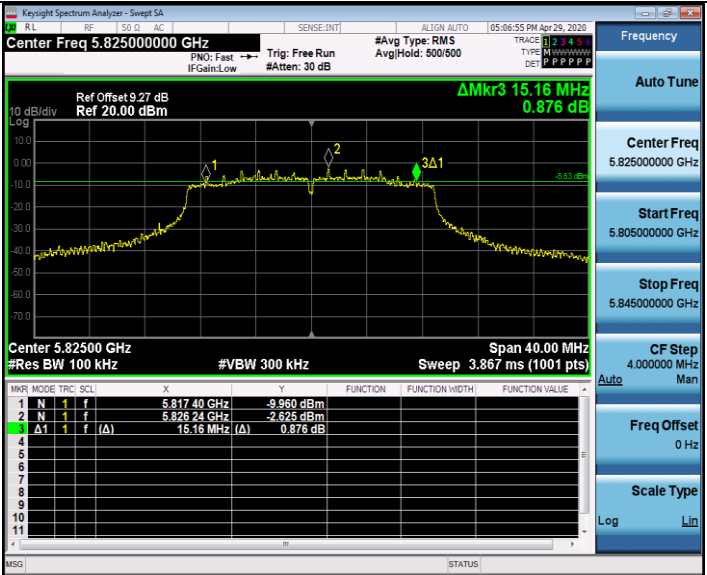
CH149



CH157



CH157

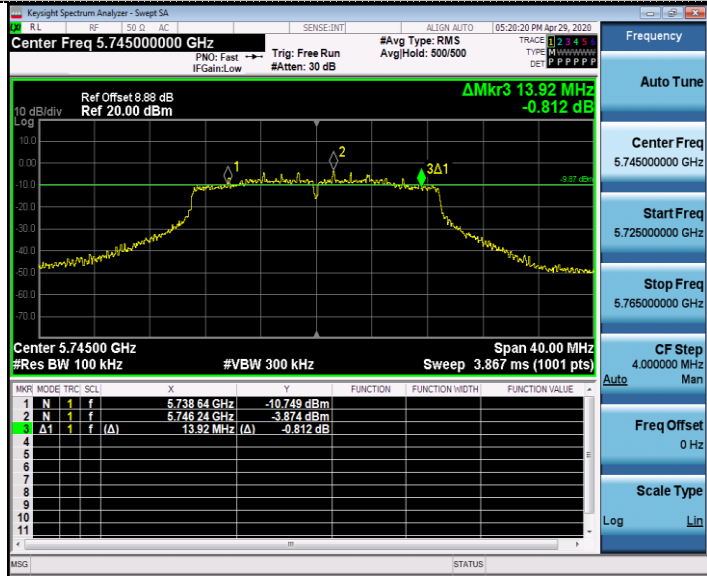


CH165

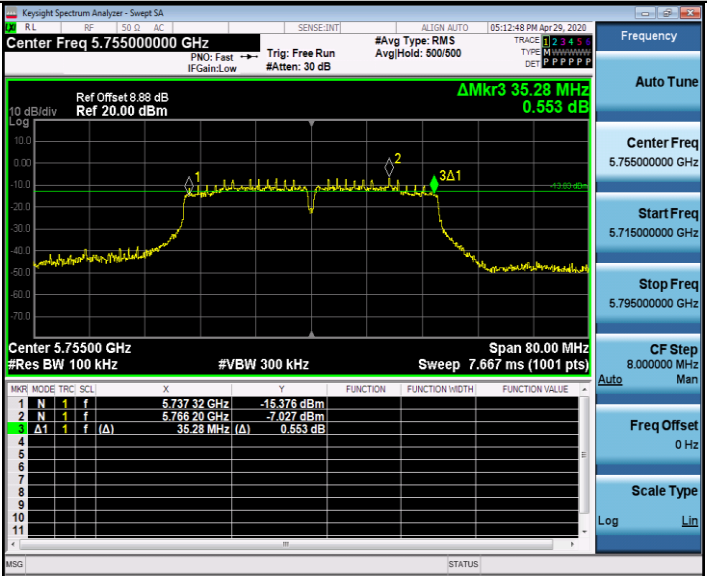
CH165

6dB Bandwidth

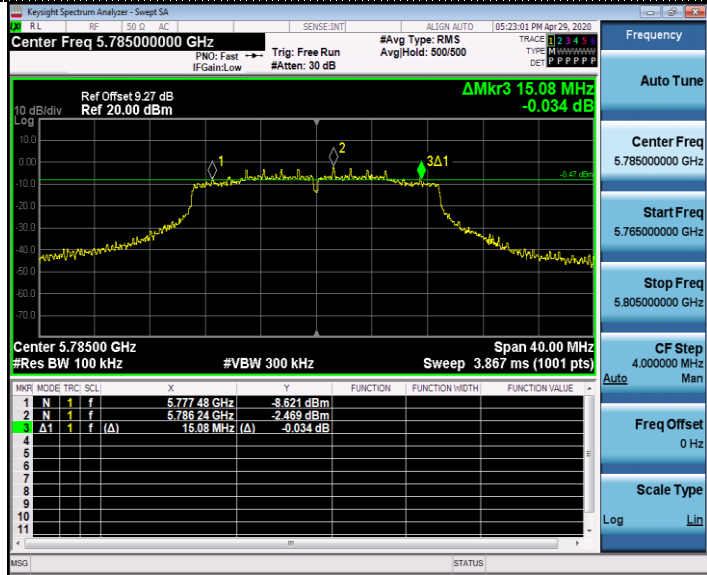
802.11ac20



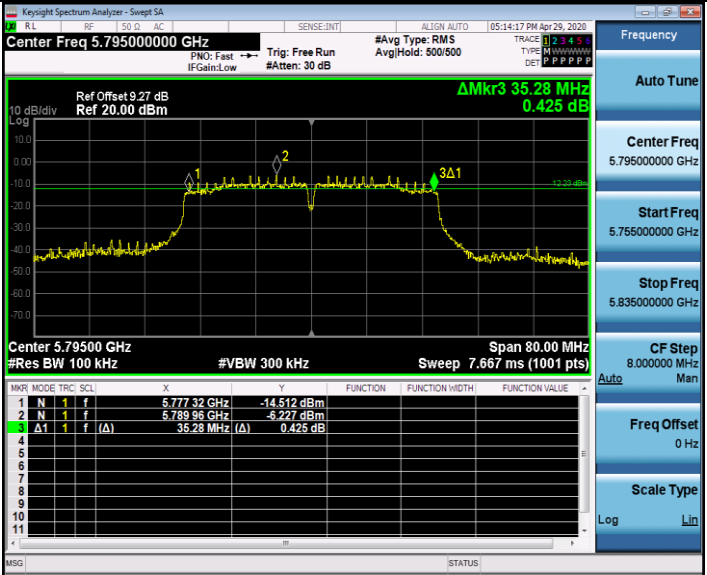
802.11n HT40



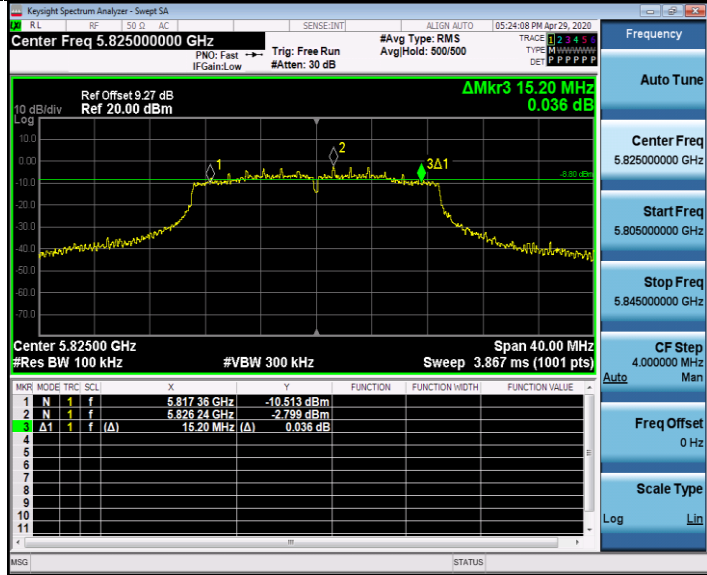
CH149



CH151



CH157



CH159

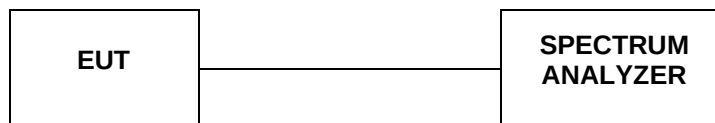


CH165



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

Temperature	23.6°C	Humidity	55.7%
Test Engineer	Moon Tan	Configurations	IEEE 802.11a/n/ac

Antenna 0:

Type	Channel	99%Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (KHz)	Result
802.11a	36	17.038	24.360	-	Pass
	40	17.131	23.800		
	48	17.405	24.600		
802.11nHT20	36	18.215	23.800	-	Pass
	40	18.202	25.040		
	48	18.336	24.360		
802.11ac20	36	18.179	23.240	-	Pass
	40	18.268	23.960		
	48	18.376	25.200		
802.11n40	38	36.382	44.080	-	Pass
	46	36.535	45.280		
802.11ac40	38	36.380	43.200	-	Pass
	46	36.474	44.320		
802.11ac80	155	75.779	114.240	-	Pass

Antenna 1:

Type	Channel	99%Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (KHz)	Result
802.11a	36	17.083	23.440	-	Pass
	40	17.077	24.240		
	48	17.275	25.360		
802.11nHT20	36	18.203	23.640	-	Pass
	40	18.250	24.080		
	48	18.403	25.200		
802.11ac20	36	18.202	23.760	-	Pass
	40	18.218	24.440		
	48	18.366	24.560		
802.11n40	38	36.377	44.240	-	Pass
	46	36.513	46.960		
802.11ac40	38	36.429	44.160	-	Pass
	46	36.542	45.440		
802.11ac80	155	75.752	118.240	-	Pass

Antenna 0:

99%Bandwidth

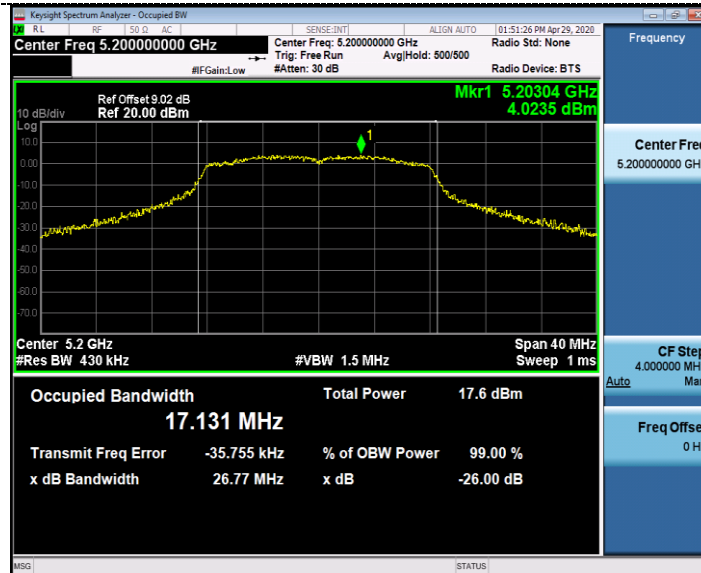
802.11a

802.11n HT20



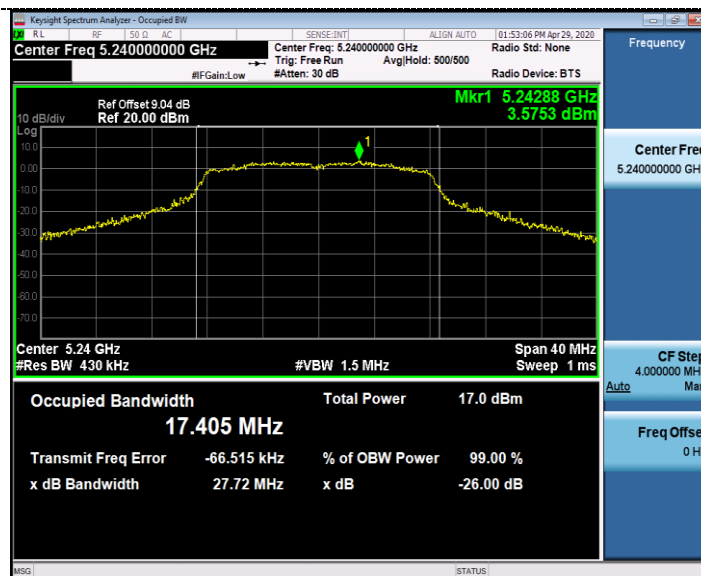
CH36

CH36



CH40

CH40

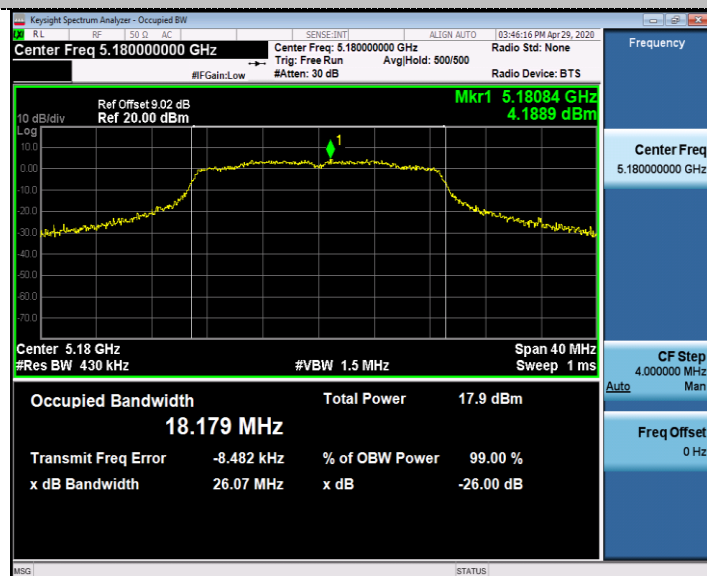


CH48

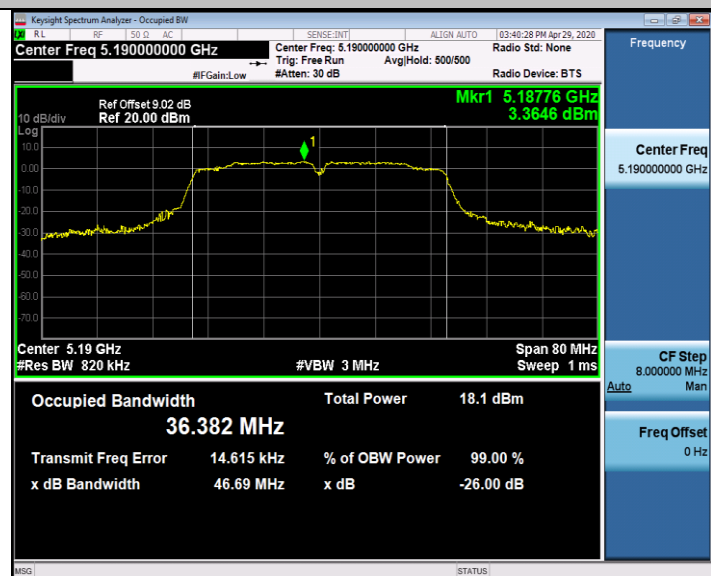
CH48

99%Bandwidth

802.11ac20



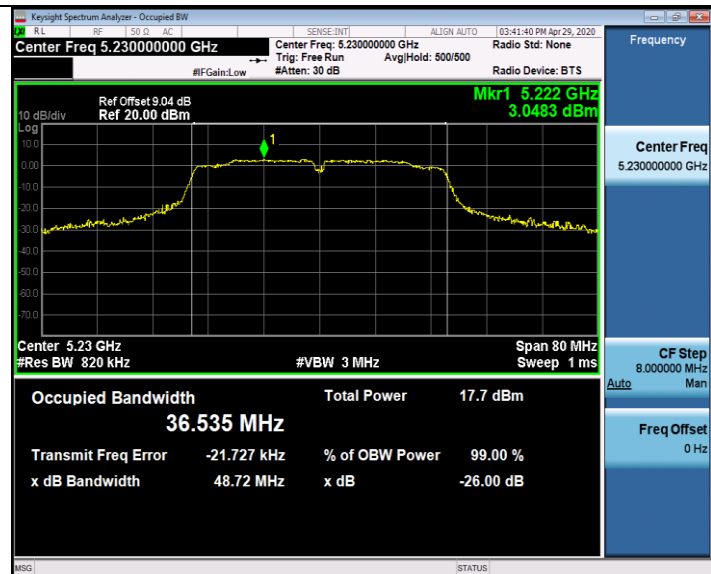
802.11n HT40



CH36



CH38



CH40



CH46



CH48

