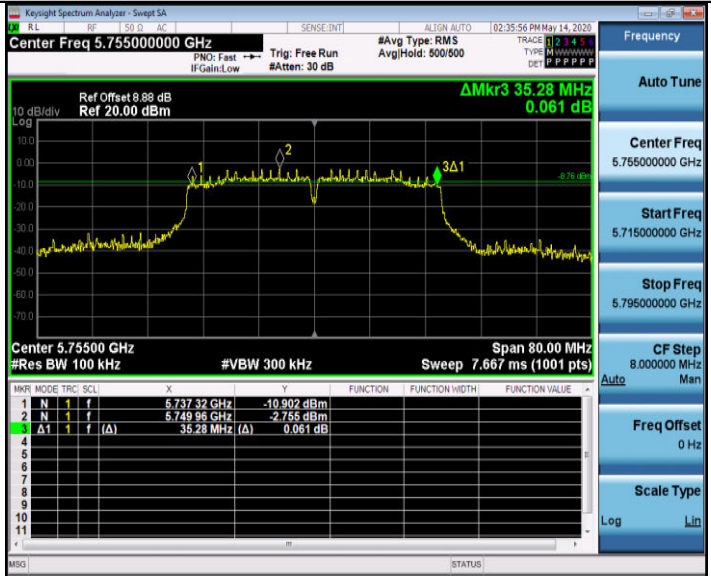


6dB Bandwidth

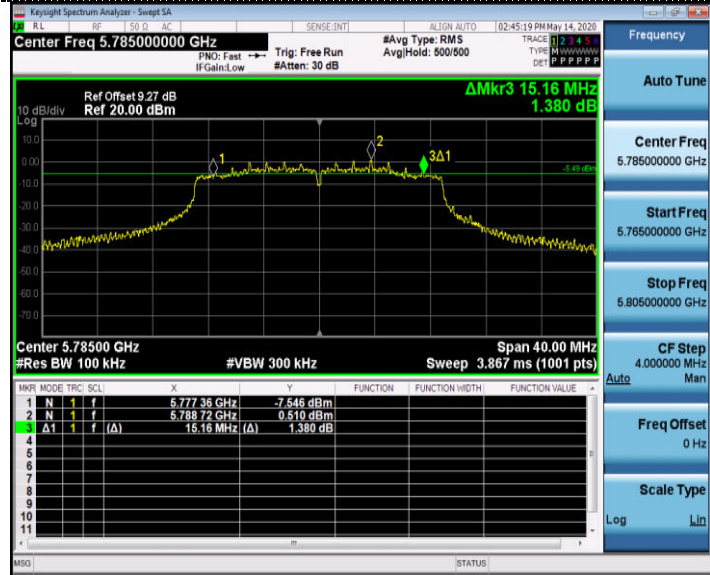
802.11ac20



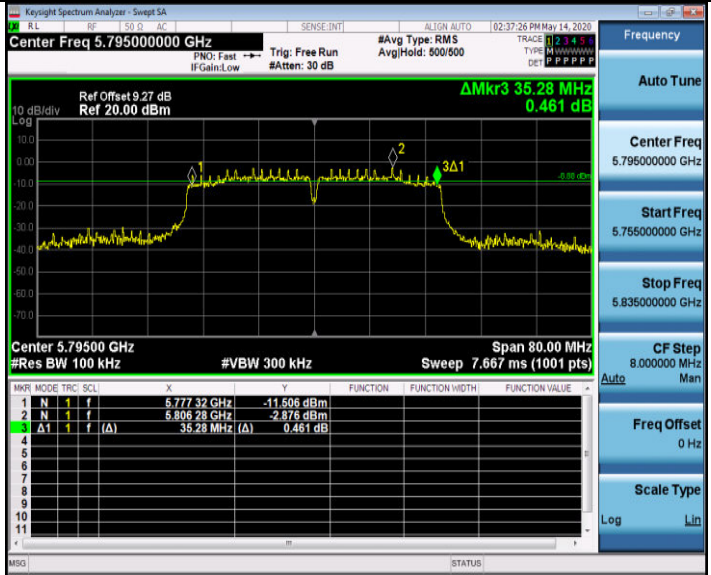
802.11n HT40



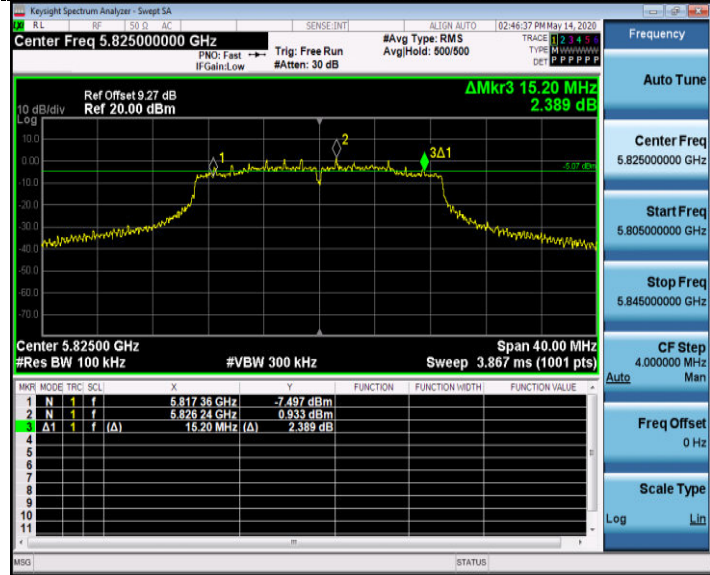
CH149



CH151



CH157



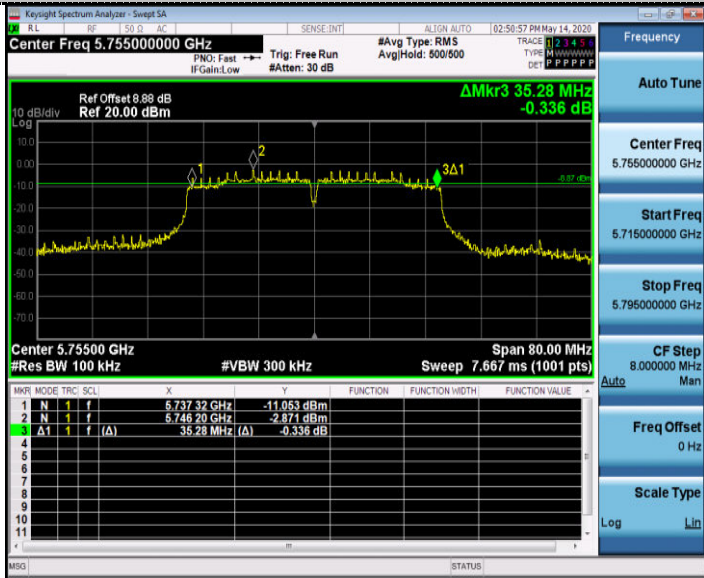
CH159



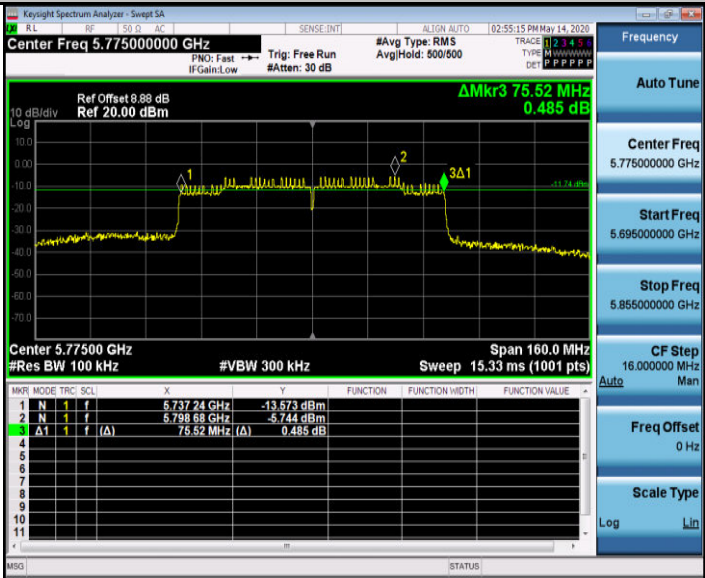
CH165

6dB Bandwidth

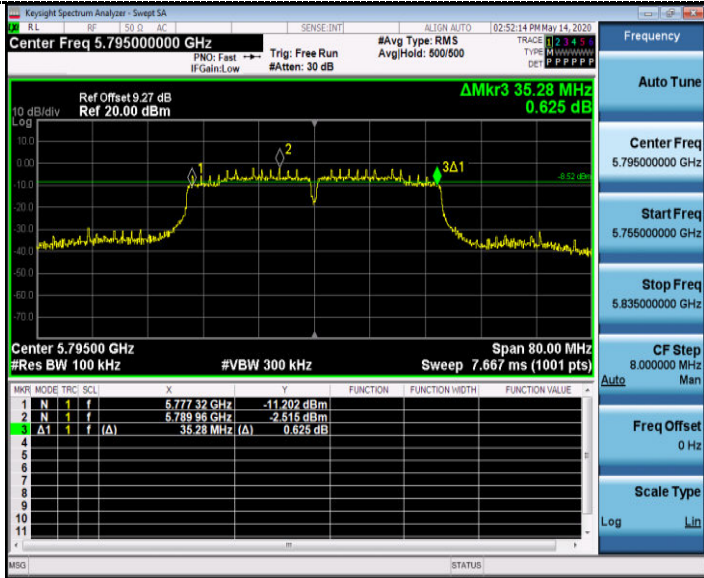
802.11ac40



802.11ac80



CH151



CH155



CH159



Antenna 1:

99%Bandwidth

802.11a

802.11n HT20



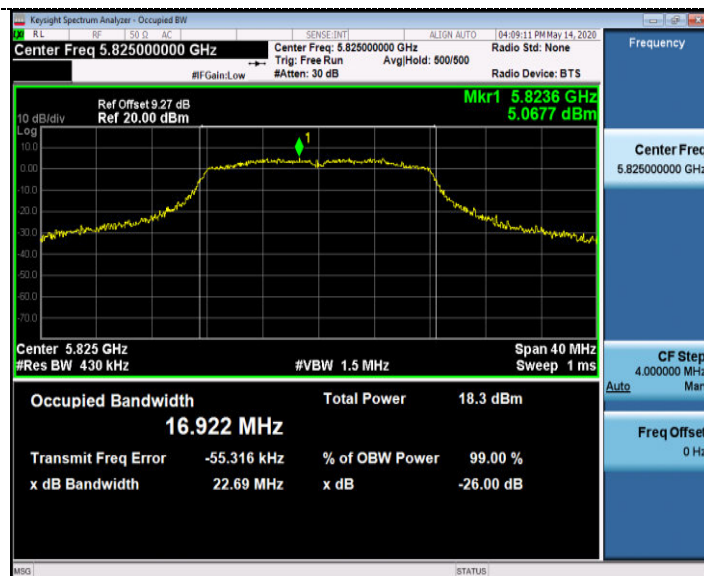
CH149

CH149



CH157

CH157

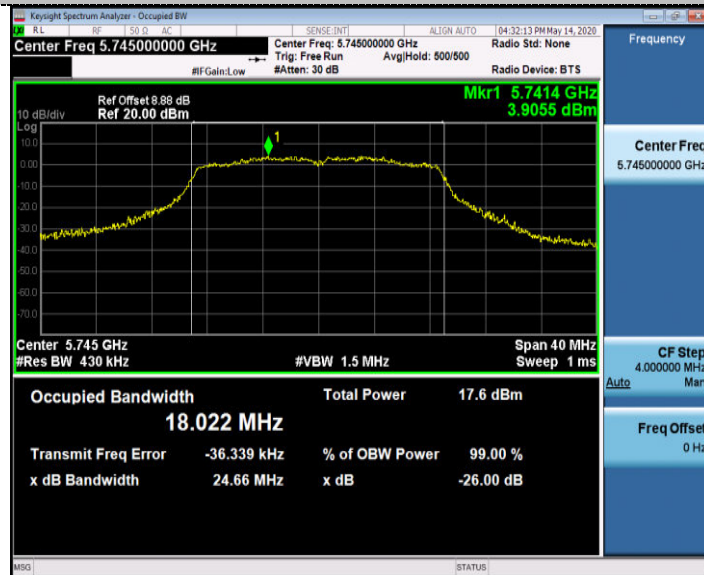


CH165

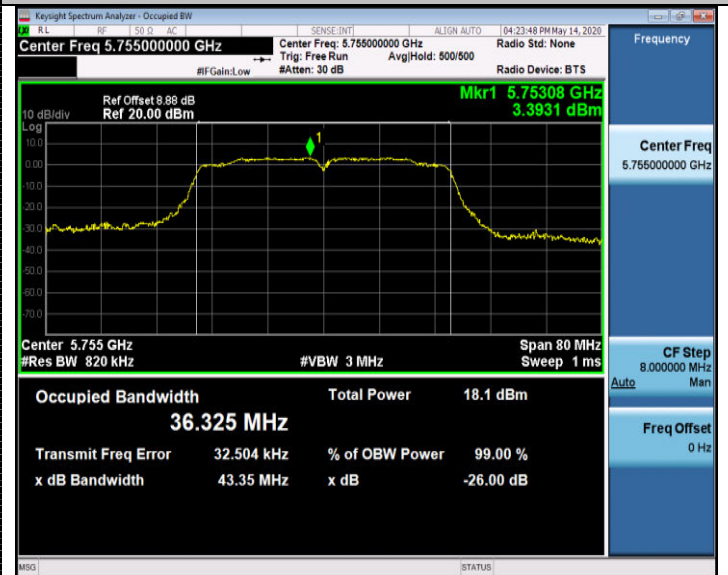
CH165

99%Bandwidth

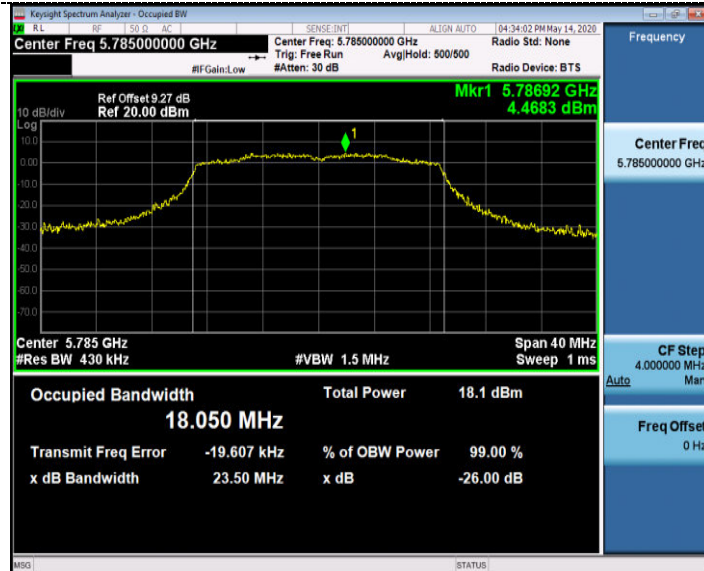
802.11ac20



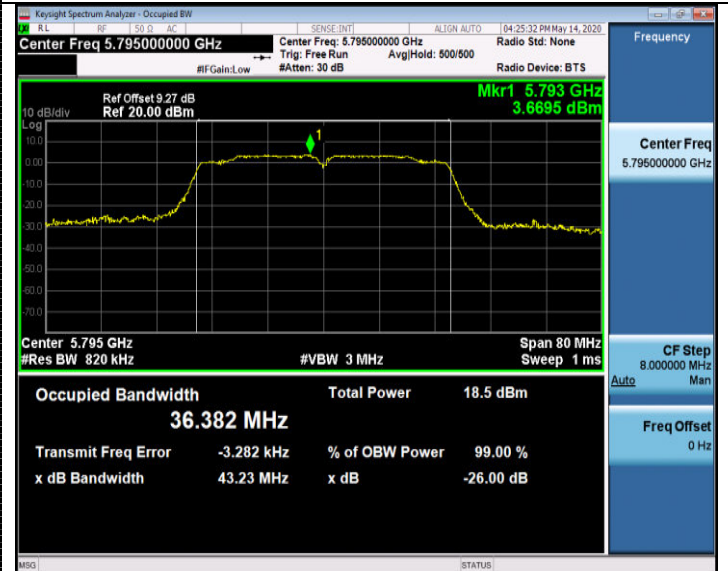
802.11n HT40



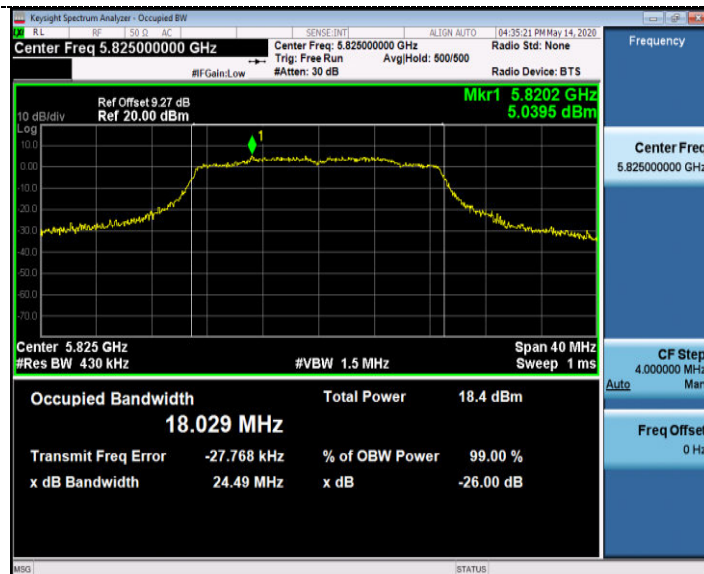
CH149



CH151



CH157



CH159

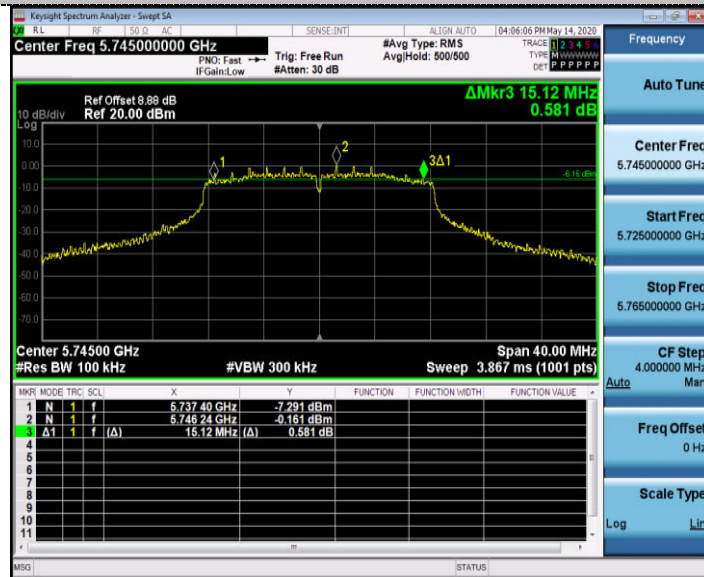


CH165



6dB Bandwidth

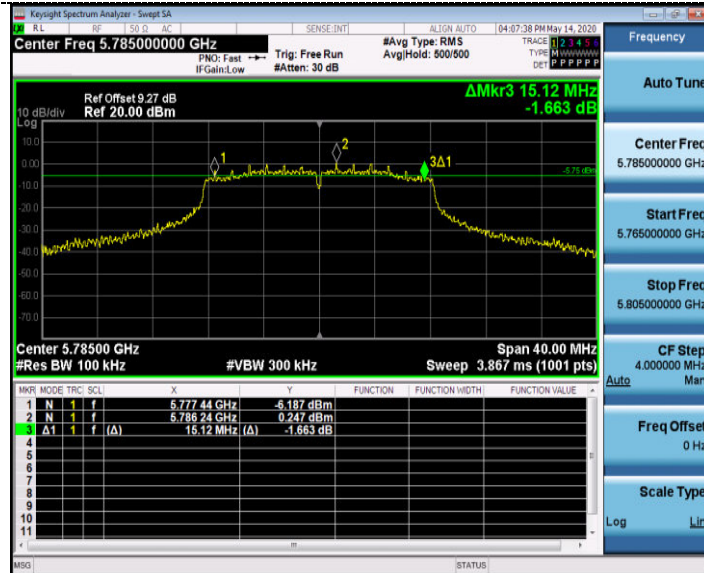
802.11a



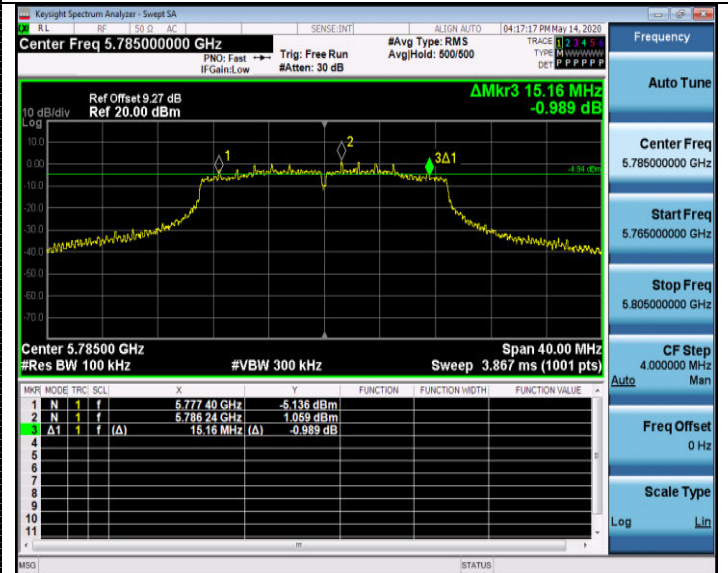
802.11n HT20



CH149



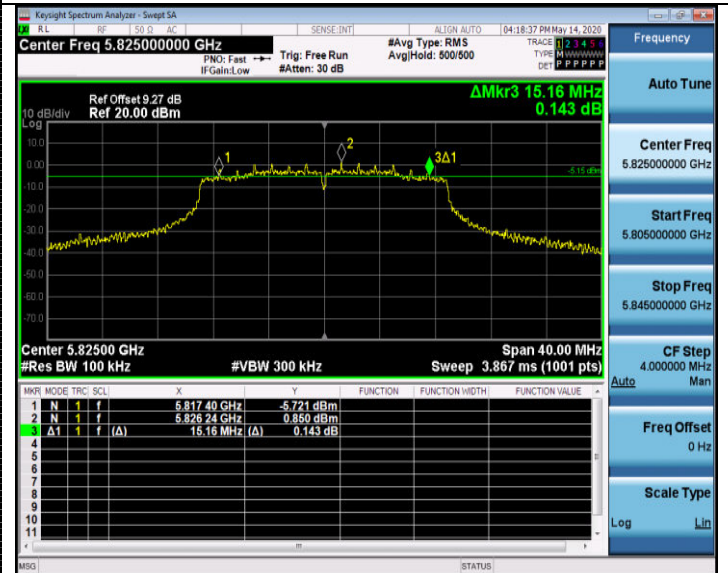
CH149



CH157



CH157

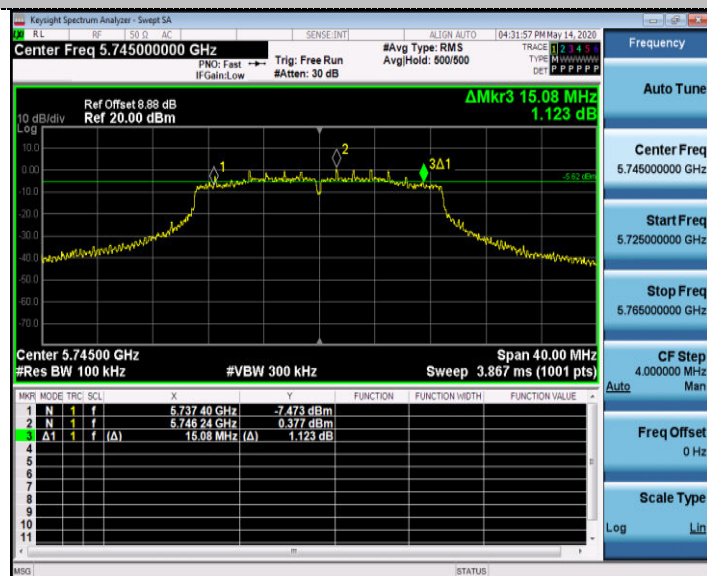


CH165

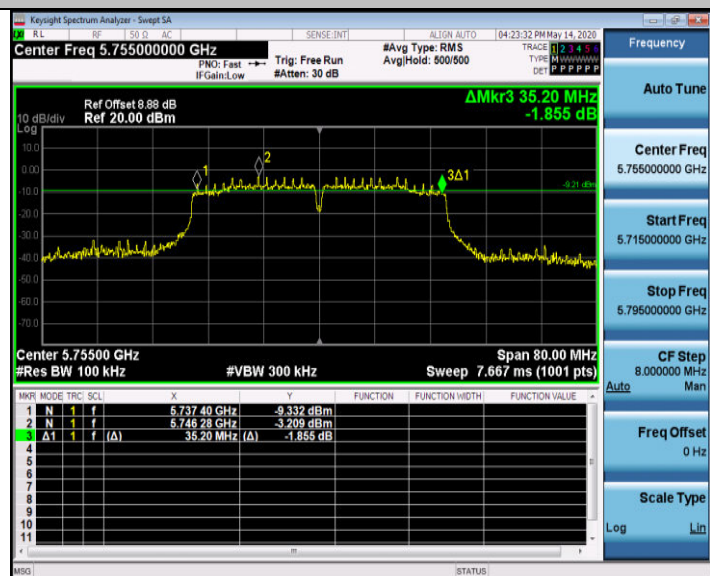
CH165

6dB Bandwidth

802.11ac20



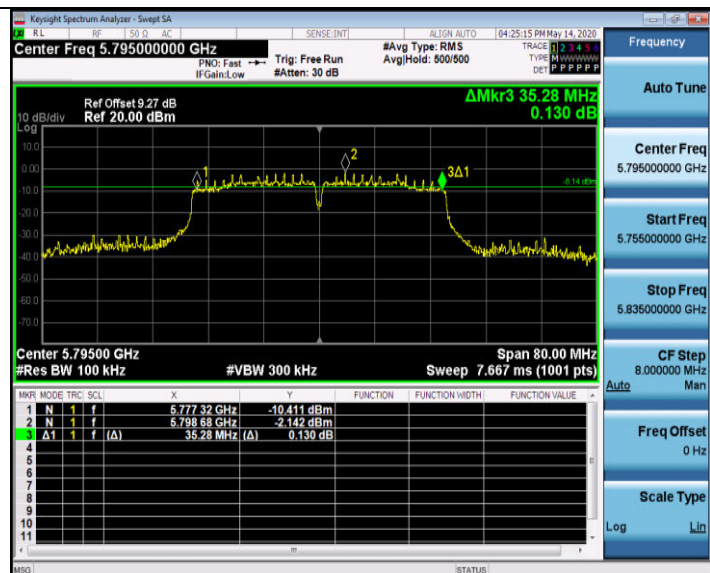
802.11n HT40



CH149



CH151



CH157



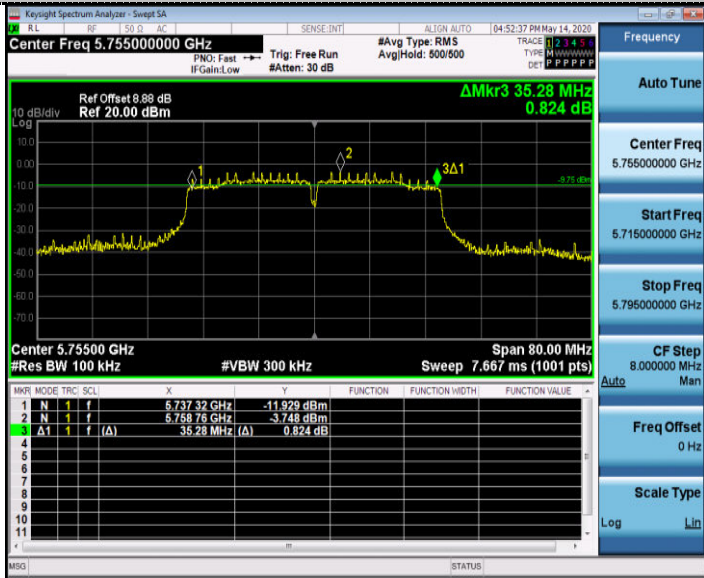
CH159



CH165

6dB Bandwidth

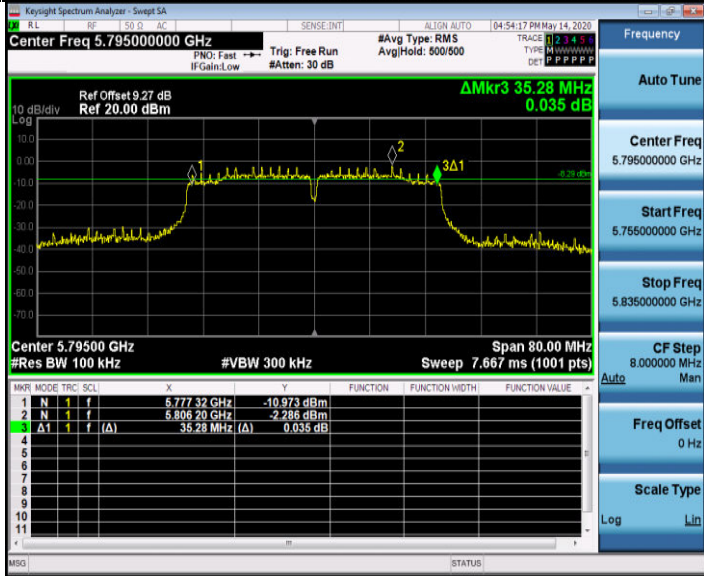
802.11ac40



802.11ac80



CH151



CH155

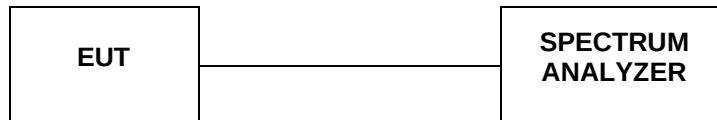


CH159



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	24.2°C	Humidity	54.9%
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	16.991	22.720	-	Pass
	40	17.008	23.080		
	48	17.039	24.000		
802.11nHT20	36	18.123	24.040	-	Pass
	40	18.076	23.440		
	48	18.084	22.920		
802.11ac20	36	18.108	23.360	-	Pass
	40	18.070	23.480		
	48	18.115	23.240		
802.11n40	38	36.213	43.360	-	Pass
	46	36.299	44.400		
802.11ac40	38	36.314	42.160	-	Pass
	46	36.356	42.720		
802.11ac80	155	75.528	81.280	-	Pass

Antenna 1:

Type	Channel	99%Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (KHz)	Result
802.11a	36	17.002	23.960	-	Pass
	40	16.956	23.560		
	48	17.004	23.280		
802.11nHT20	36	18.025	22.680	-	Pass
	40	18.063	24.120		
	48	18.053	23.760		
802.11ac20	36	18.099	22.600	-	Pass
	40	18.130	23.120		
	48	18.115	24.400		
802.11n40	38	36.290	41.920	-	Pass
	46	36.345	44.480		
802.11ac40	38	36.300	42.880	-	Pass
	46	36.264	43.040		
802.11ac80	155	75.310	80.800	-	Pass

Antenna 0:

99%Bandwidth

802.11a

802.11n HT20



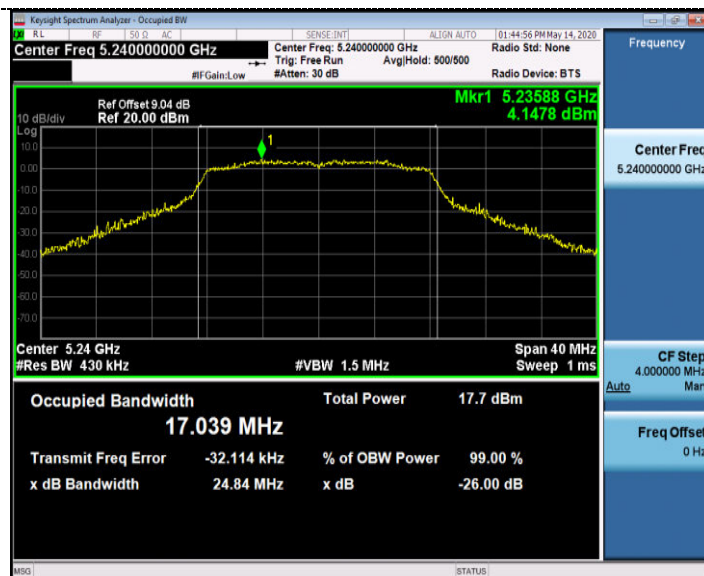
CH36

CH36



CH40

CH40



CH48

CH48

99%Bandwidth

802.11ac20



802.11n HT40



CH36



CH38



CH40



CH46



CH48

