99%Bandwidth

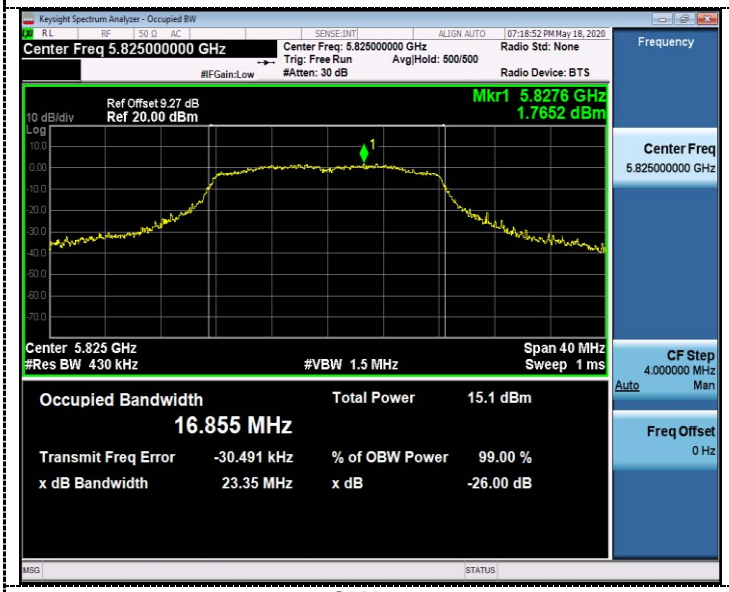
802.11a

802.11n HT20

CH149

CH149

CH157



CH165

CH165

99%Bandwidth

802.11ac20

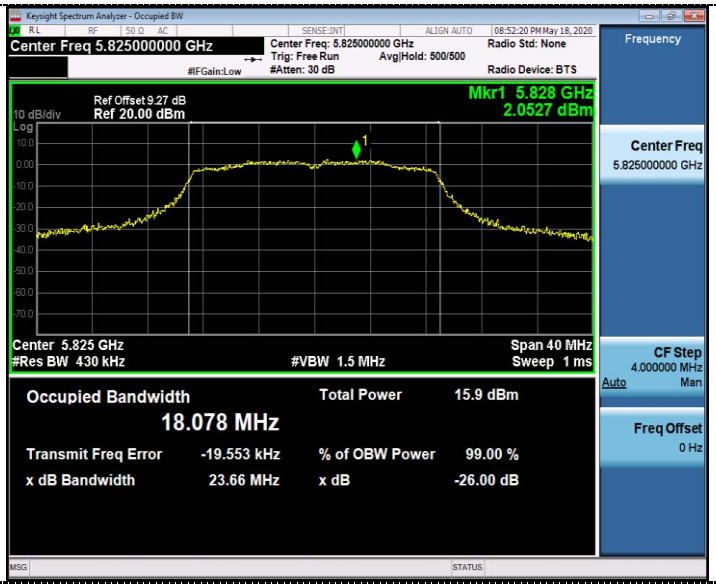
CH149

802.11n HT40

CH151

CH157

CH159



CH165

99%Bandwidth

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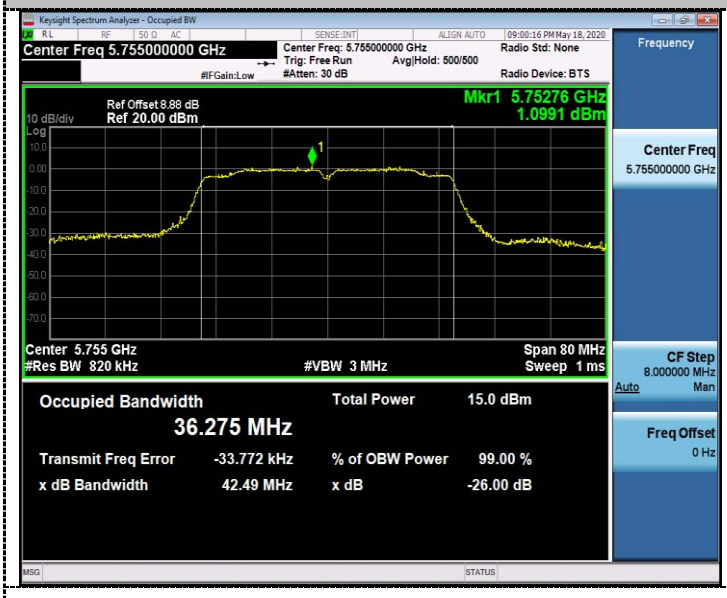
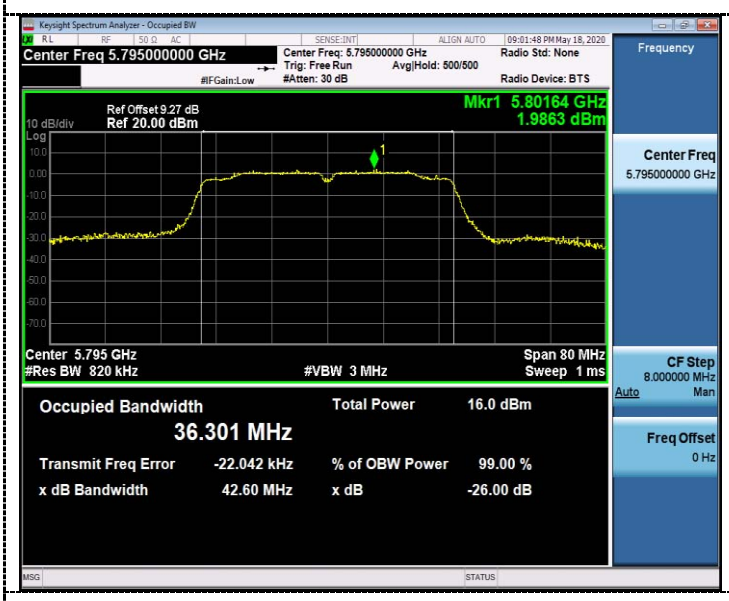


CH151

802.11ac80

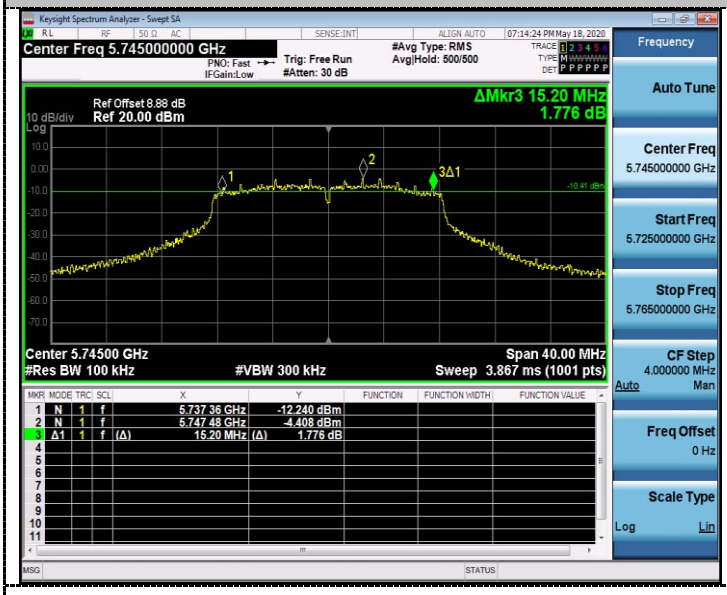
CH155



CH159

6dB Bandwidth

802.11a



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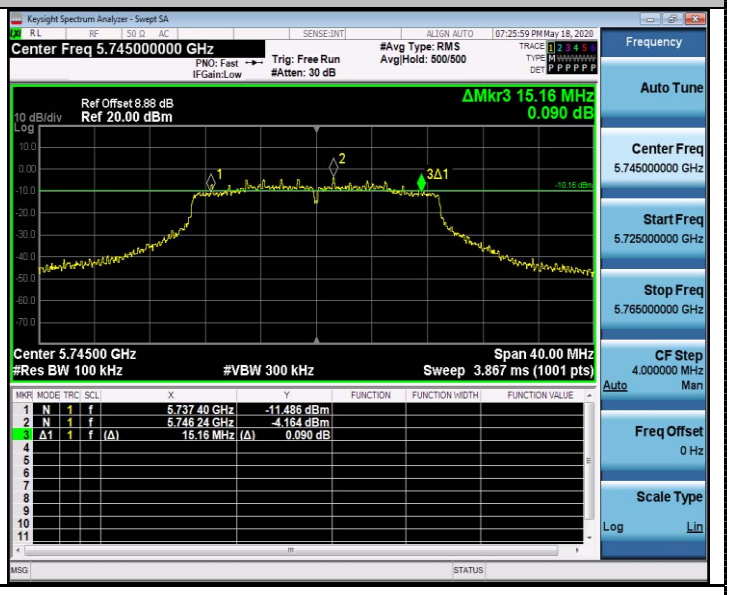

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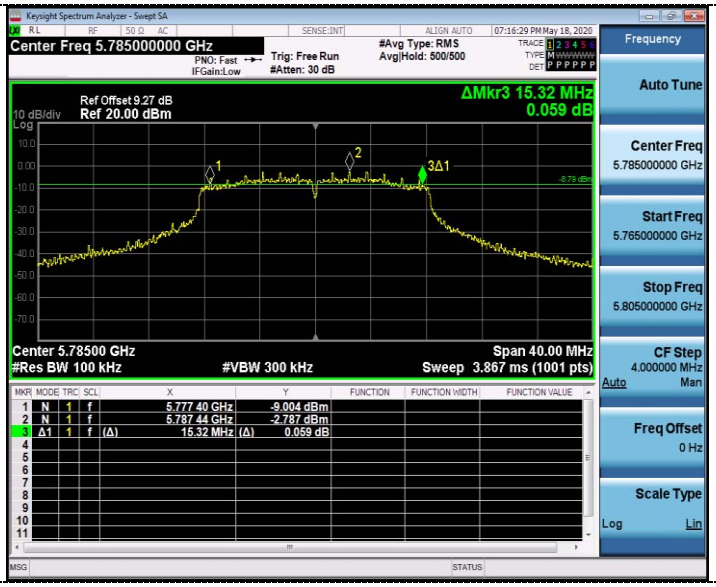

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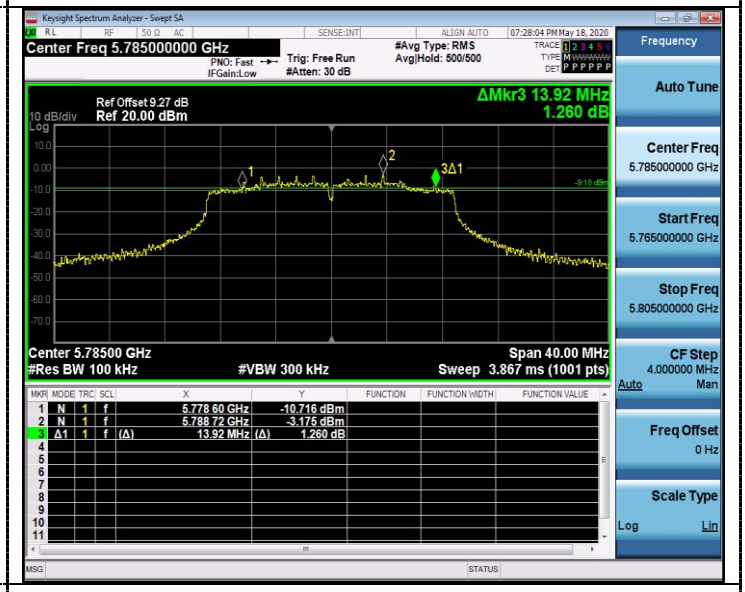

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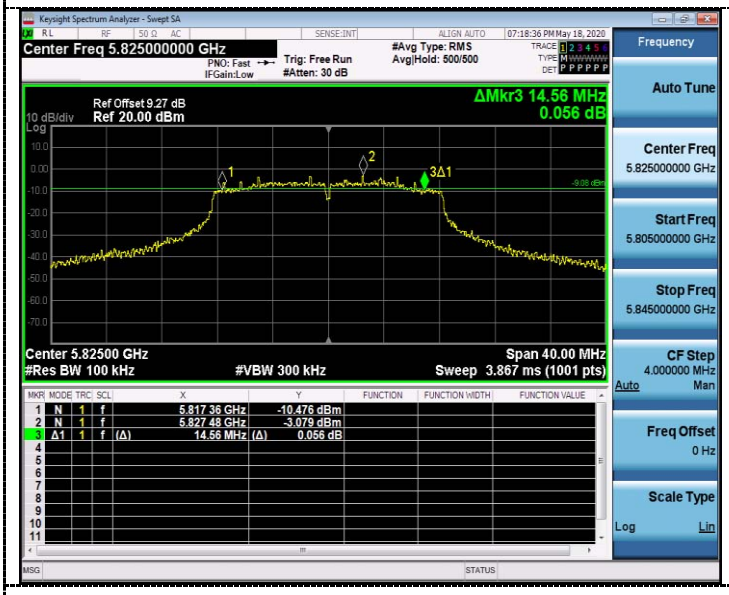

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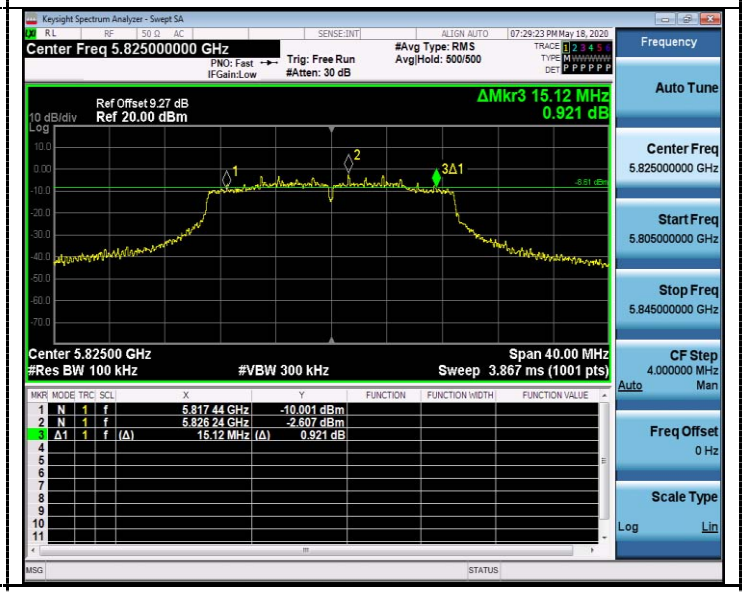
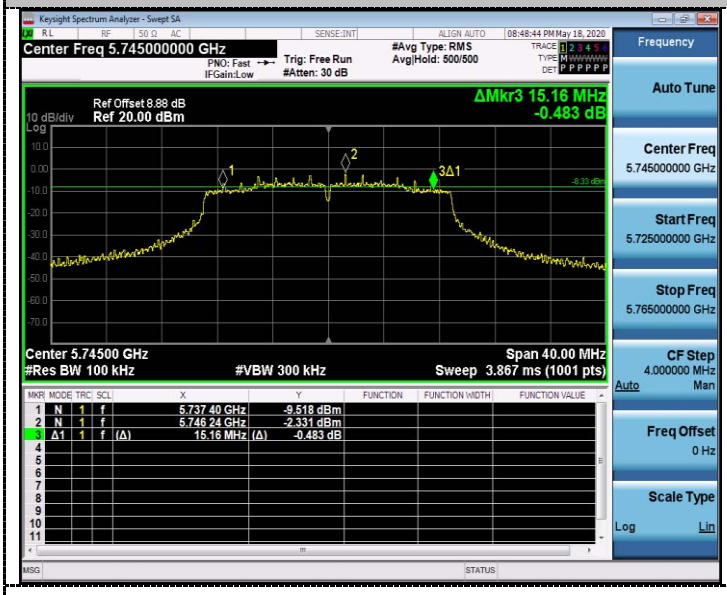


CH165

6dB Bandwidth

802.11ac20



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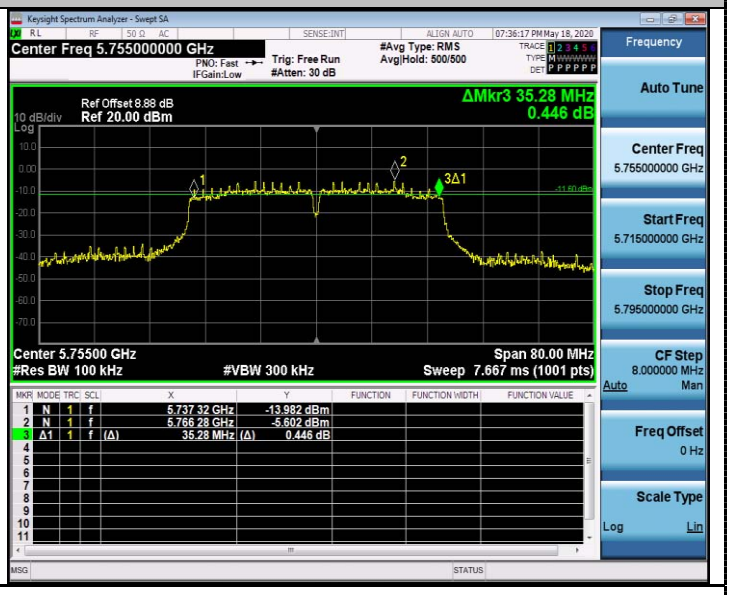
802.11n HT40



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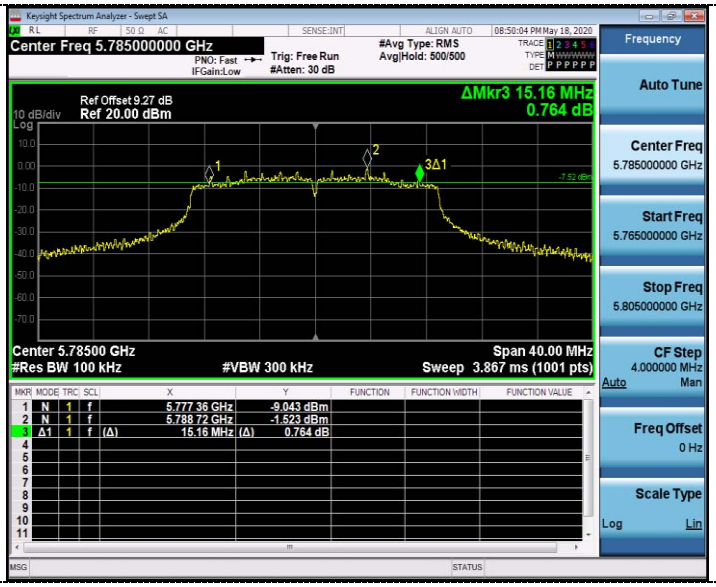

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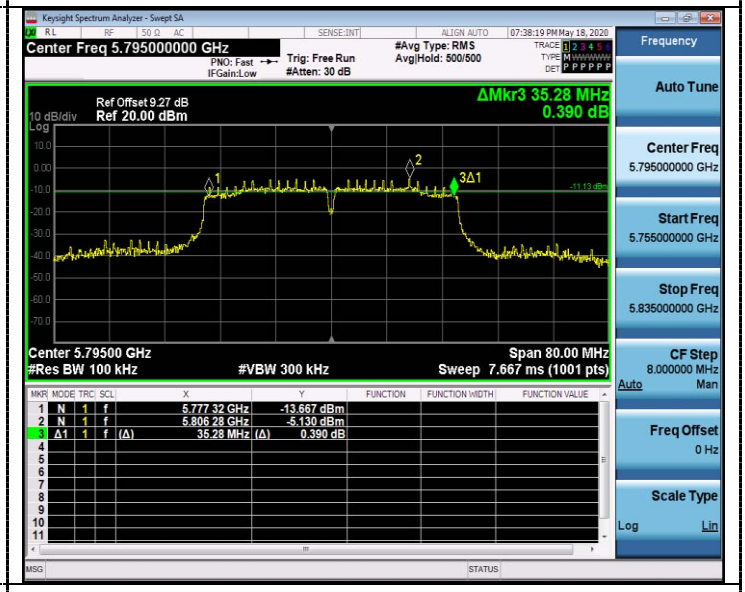

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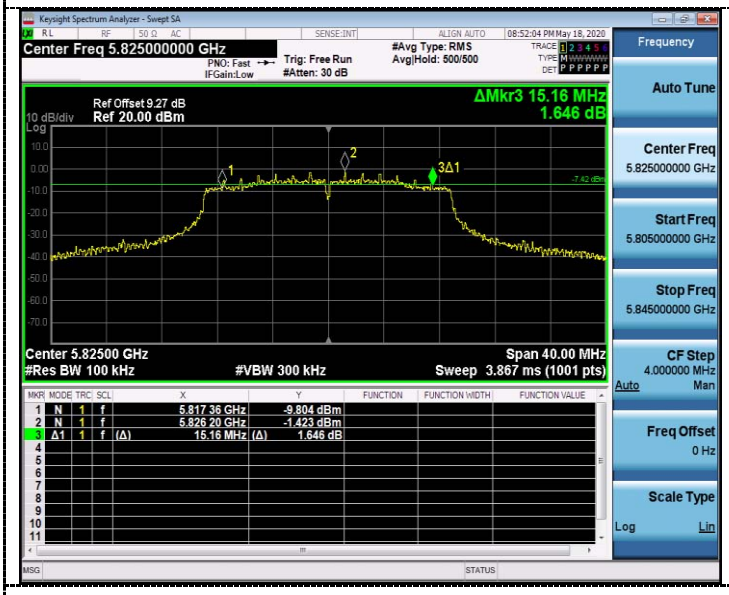
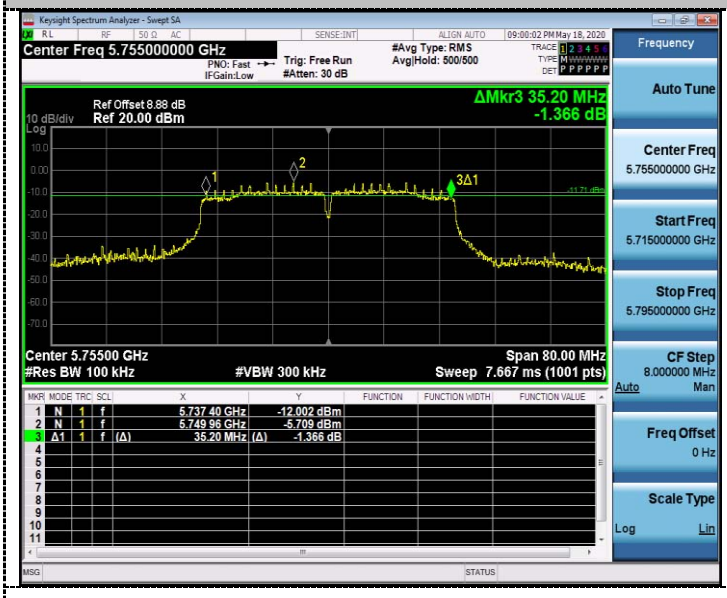


CH165

6dB Bandwidth

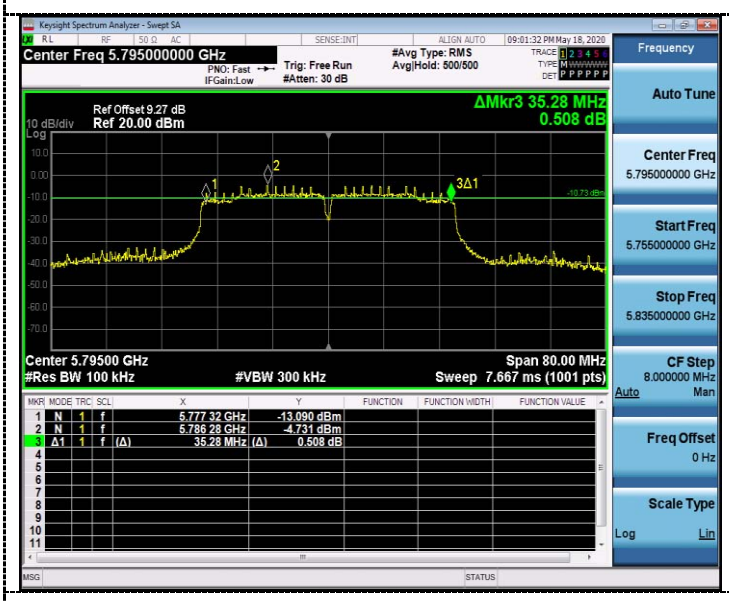
802.11ac40



CH151

802.11ac80

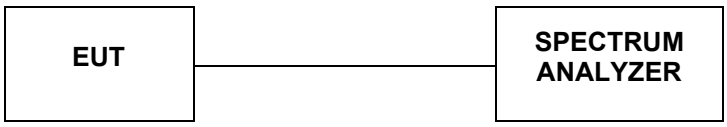
CH155



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:

a. Set RBW = 300 kHz (approximately 1% of the emission bandwidth).
b. Set the video bandwidth (VBW) = 1000 KHz (VBW > RBW)
c. Detector = Peak.
d. Trace mode = max hold.
e. Sweep = auto couple.
f. Allow the trace to stabilize
g. 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 Bandwith

TEST RESULTS

Temperature	23.8℃	Humidity	52.3%
Test Engineer	Moon Tan	Configurations	IEEE 802.11a/n/ac

Type	Channel	99%Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (KHz)	Result
802.11a	36	16.845	22.480	-	Pass
	40	16.924	21.720		
	48	16.992	23.080		
802.11nHT20	36	18.024	22.640	-	Pass
	40	18.020	22.760		
	48	18.047	24.680		
802.11ac20	36	17.993	23.040	-	Pass
	40	18.001	22.720		
	48	18.056	23.800		
802.11n40	38	36.217	41.440	-	Pass
	46	36.274	43.520		
802.11ac40	38	36.215	41.840	-	Pass
	46	36.240	42.080		
802.11ac80	155	75.245	81.440	-	Pass

99%Bandwidth

802.11a	802.11n HT20

CH36

CH36

CH40

CH40

CH48

CH48

99%Bandwidth

802.11ac20

CH36

802.11n HT40

CH38

CH40

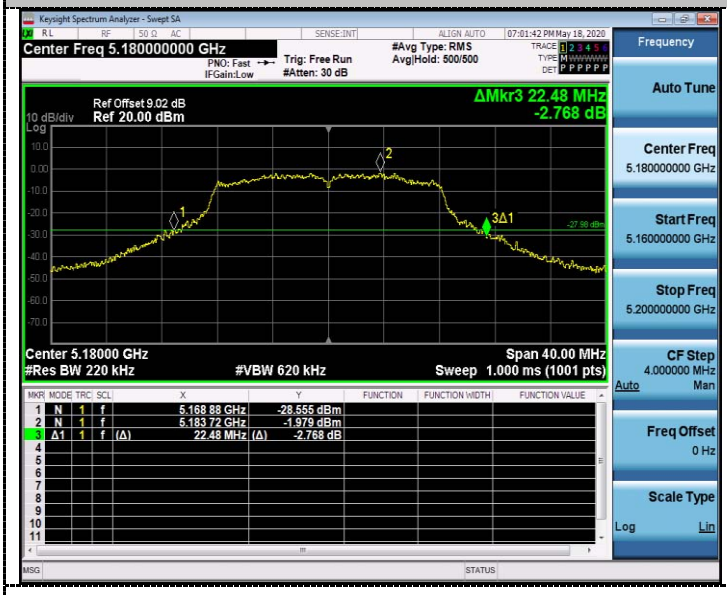
CH46

CH48

99%Bandwidth	
802.11ac40	*802.11ac80*
CH38	*CH42*
CH46	

26dB Bandwidth

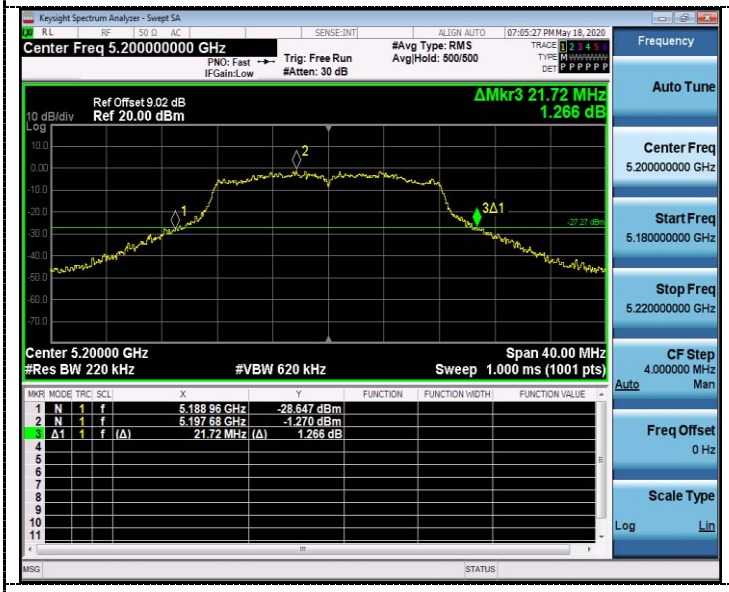
802.11a



CH36

802.11n HT20

CH36



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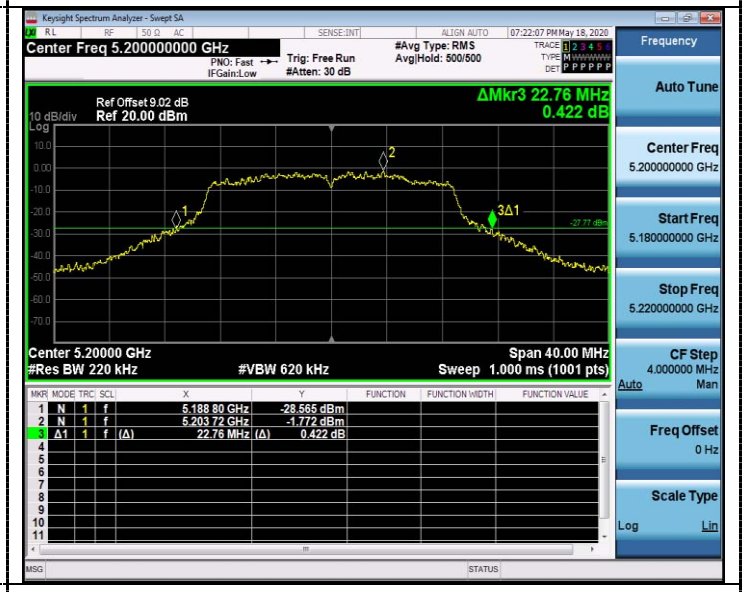

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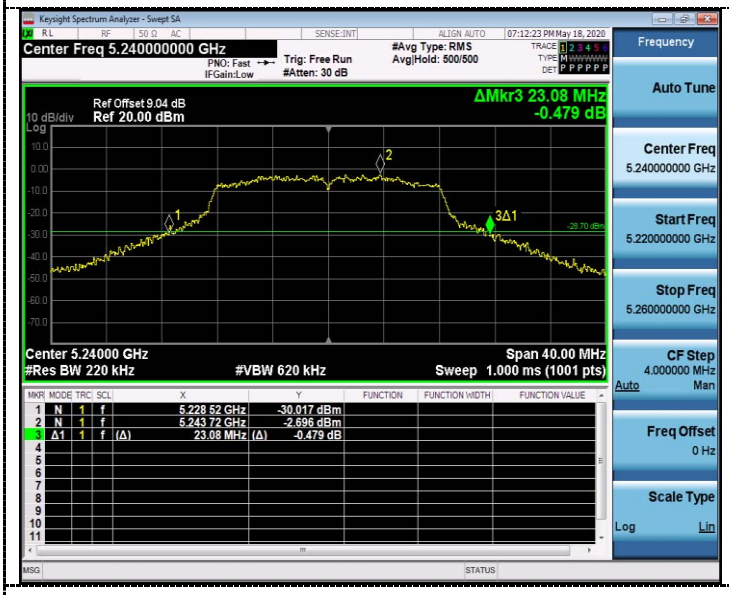
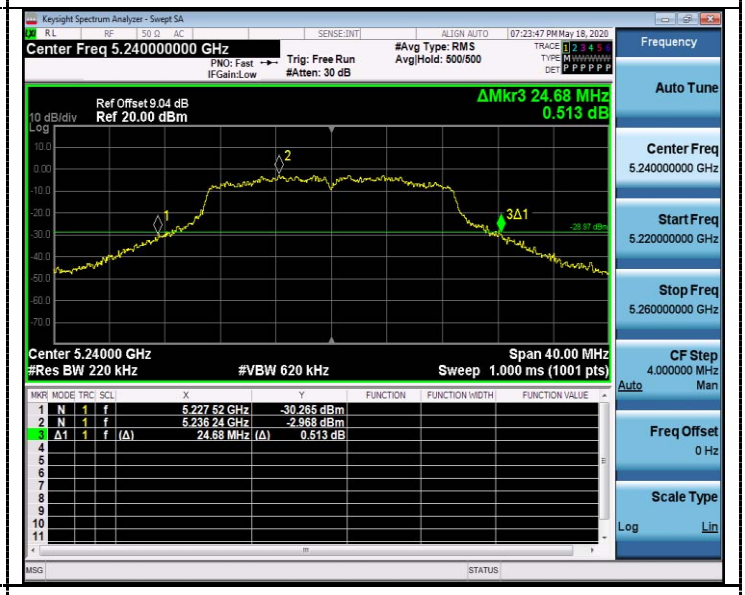


CH48



CH48