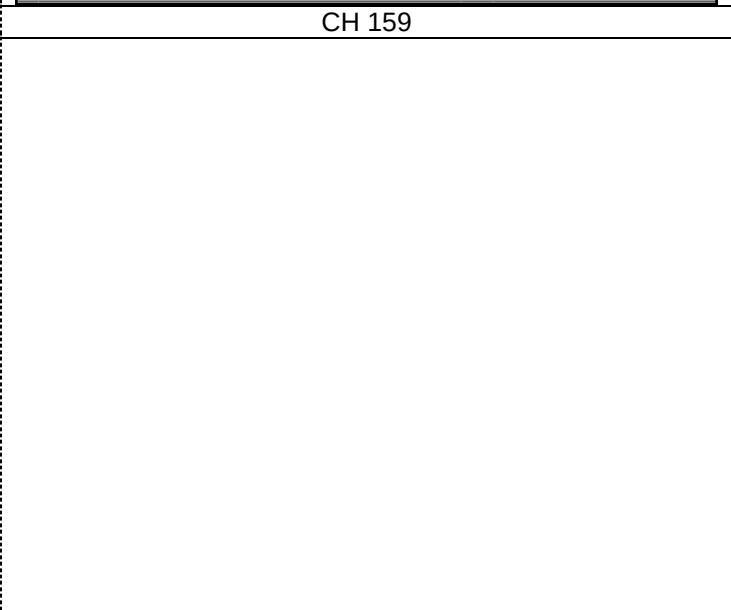
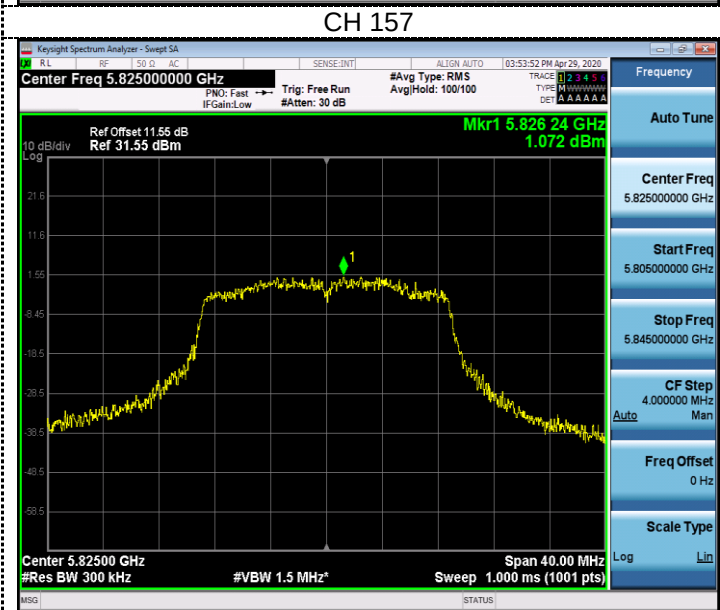
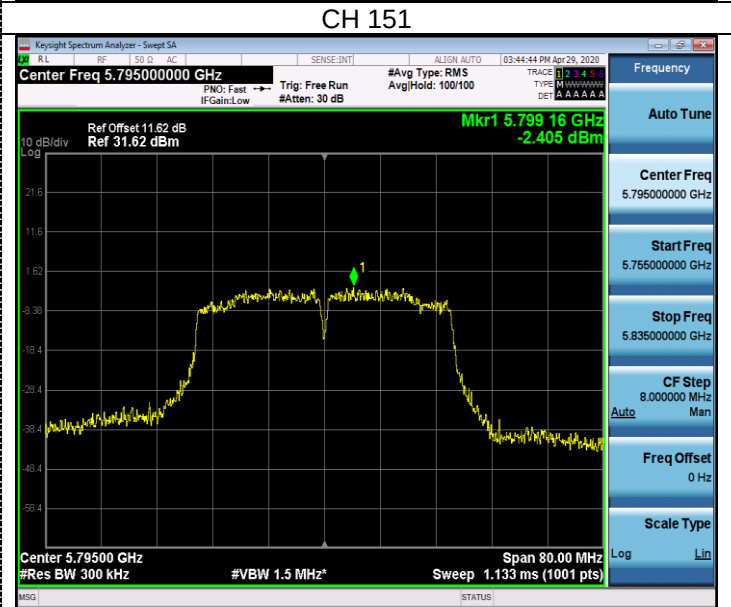
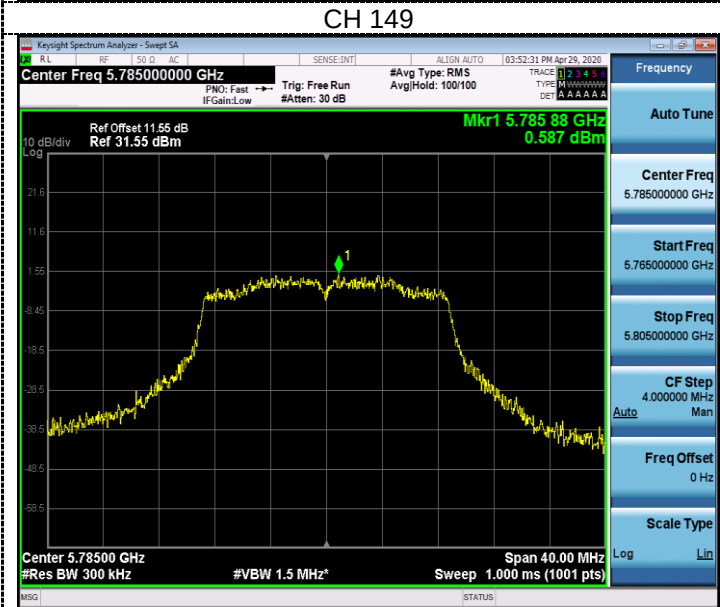
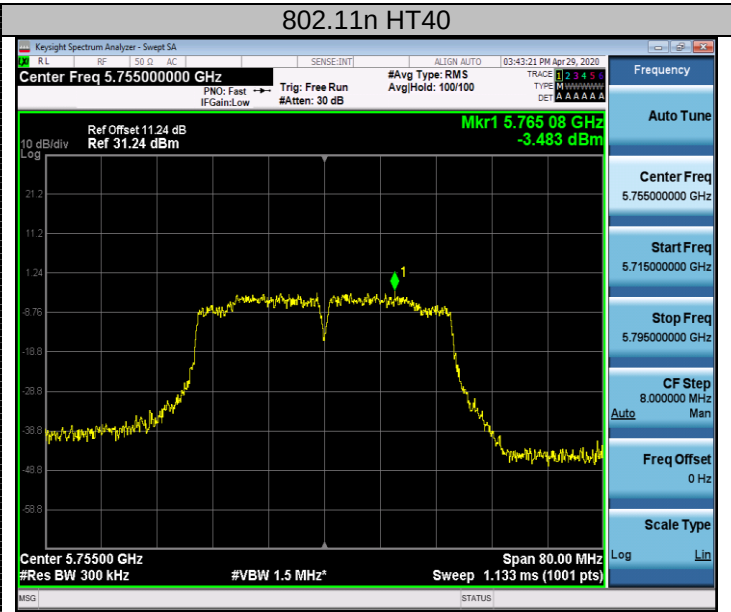
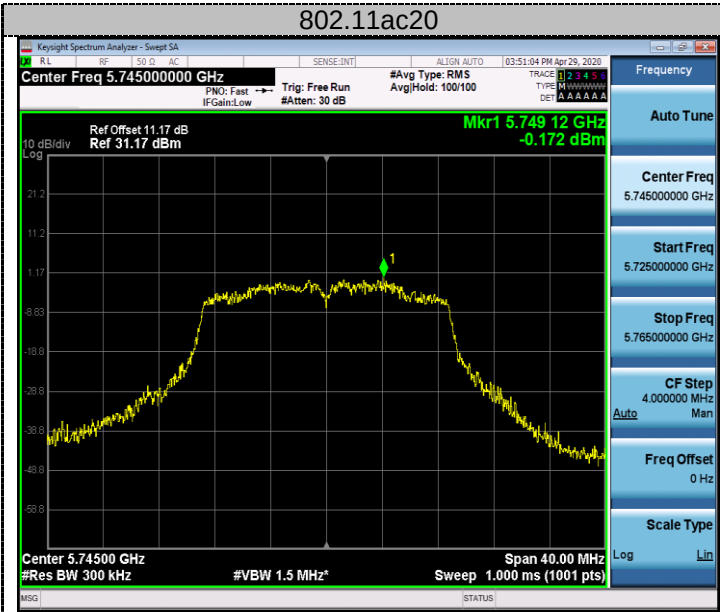
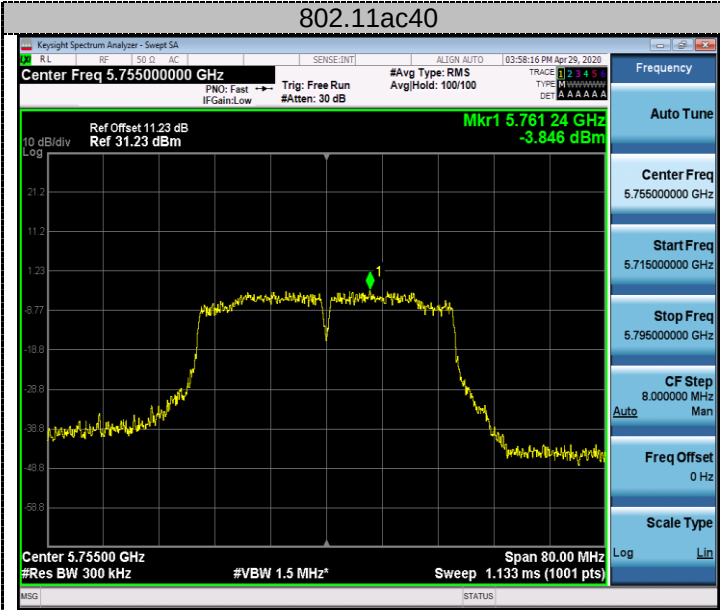
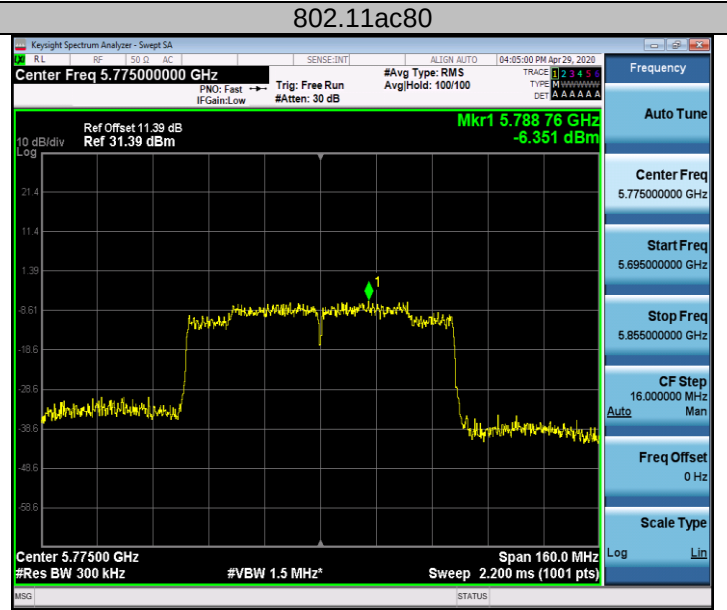






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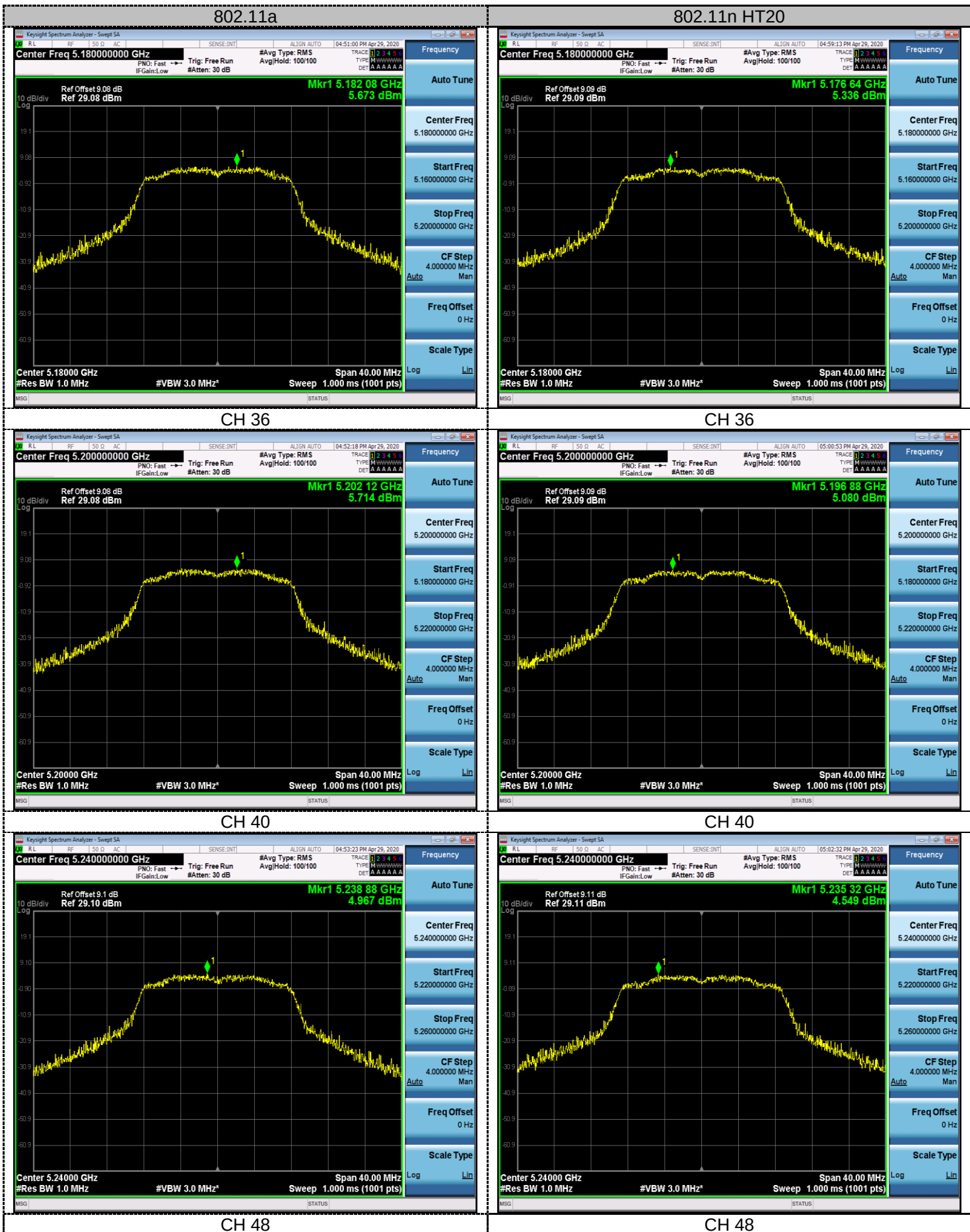


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Antenna 1:
5150-5250MHz:



802.11ac20



802.11n HT40



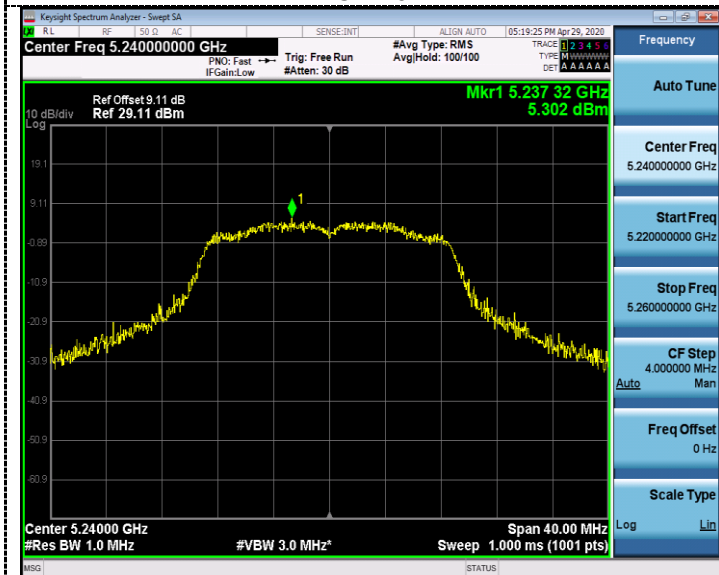
CH 36



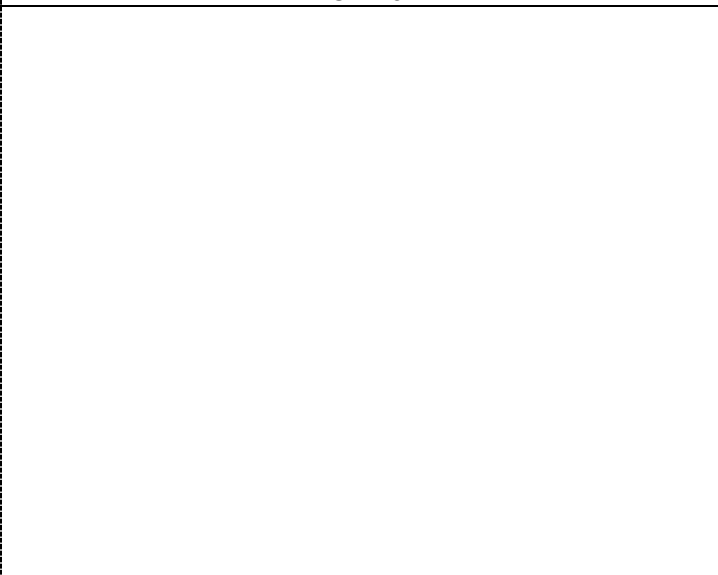
CH 38



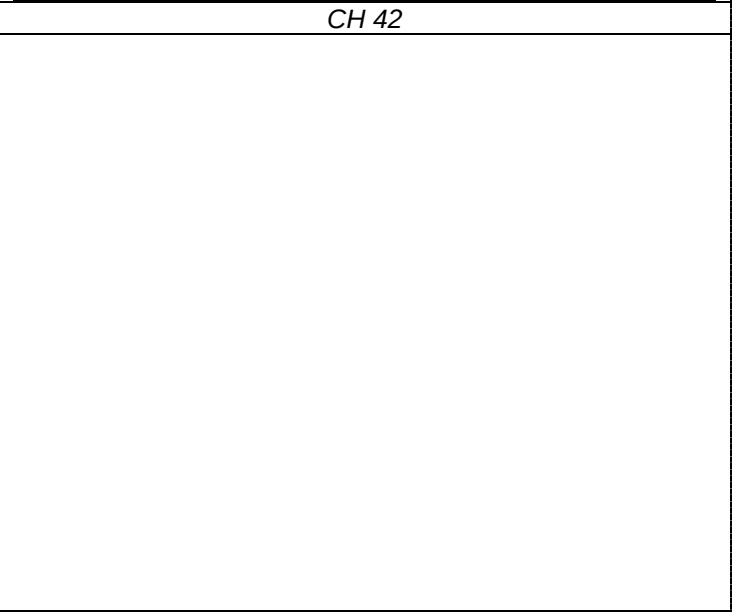
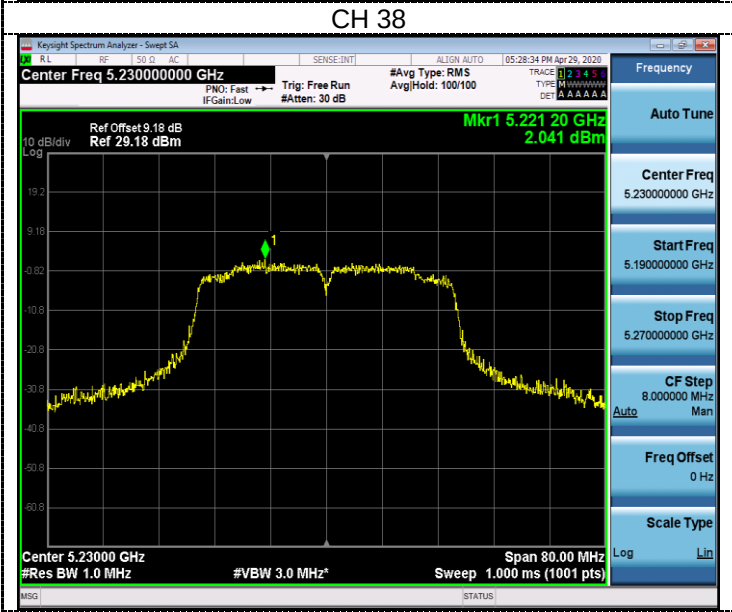
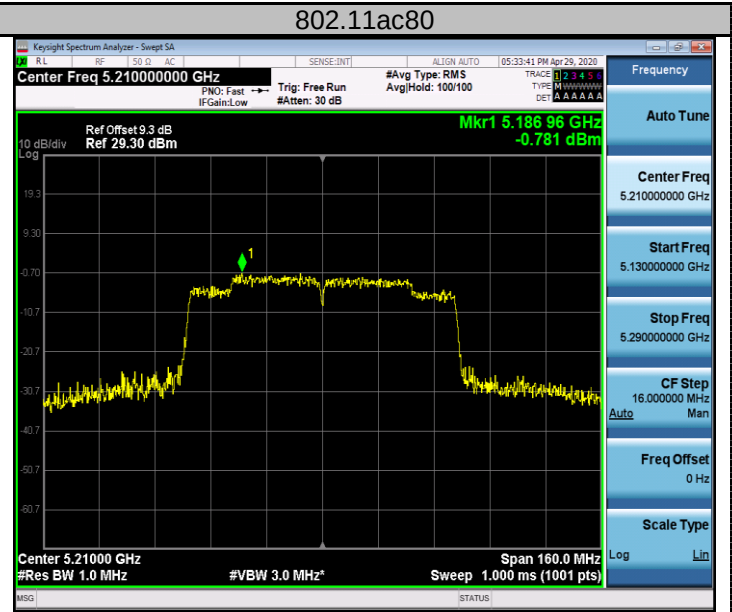
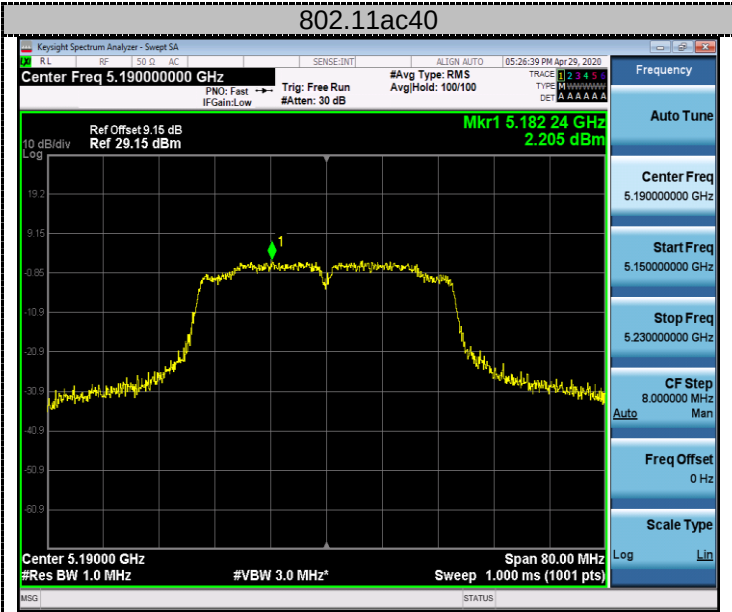
CH 40



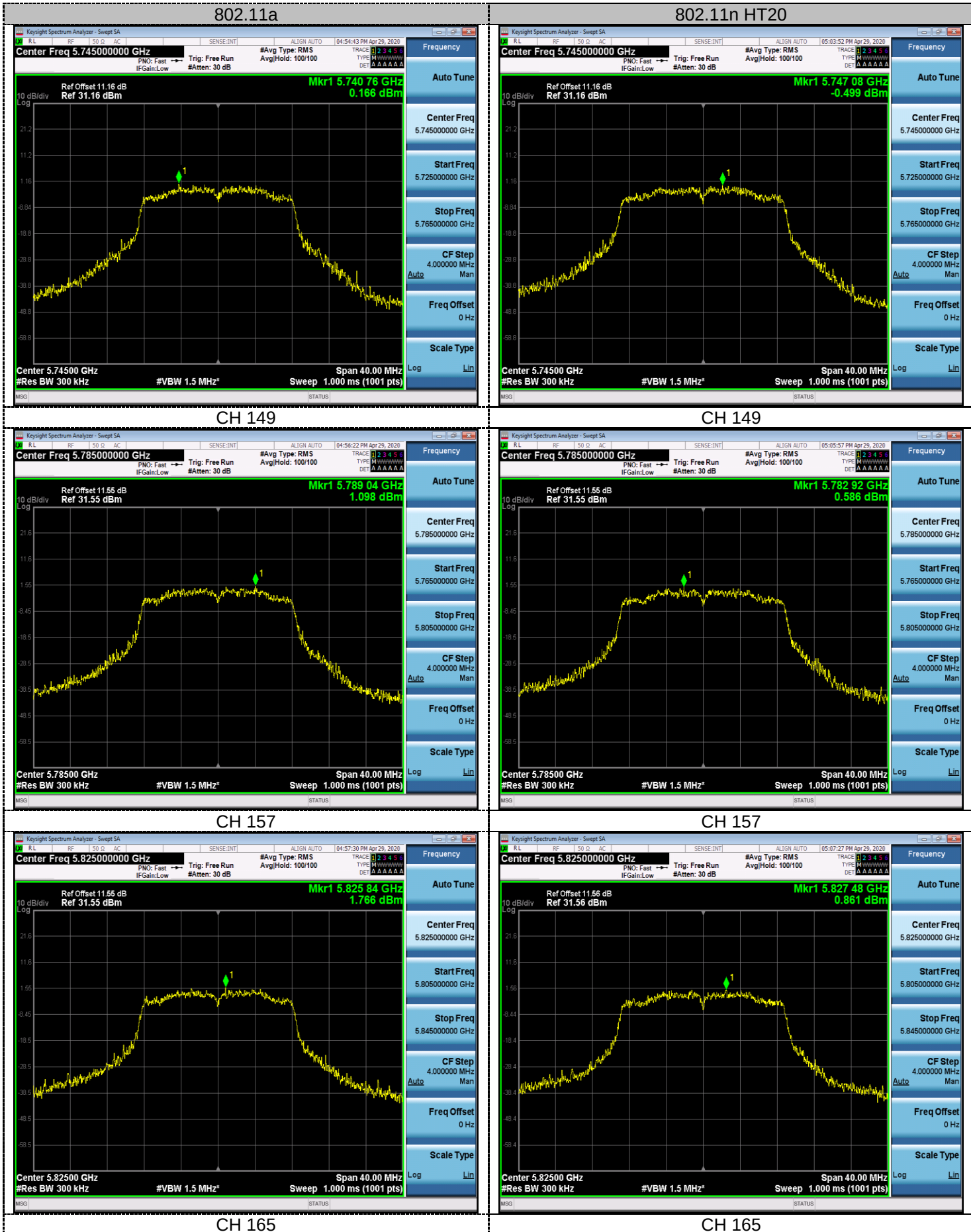
CH 46

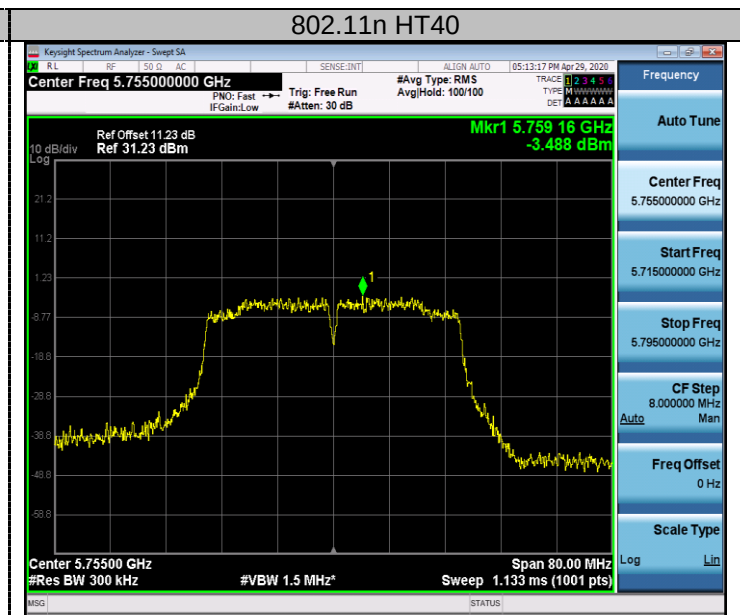


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5725-5850MHz:





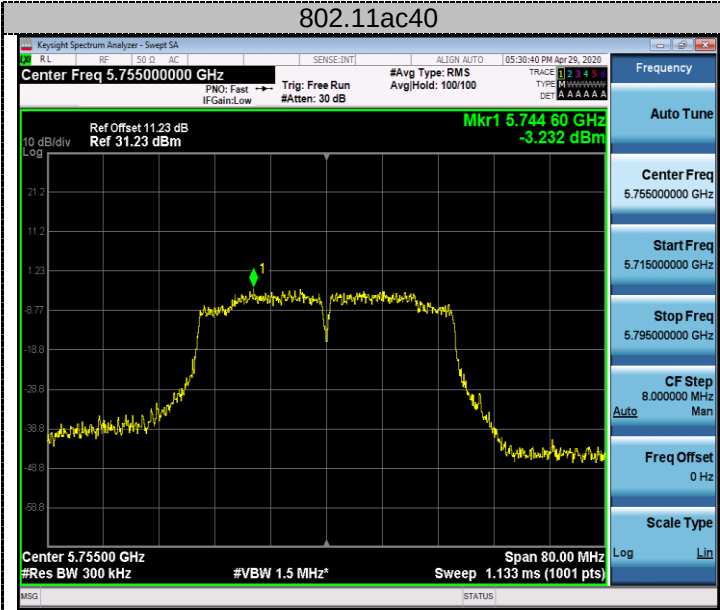
CH 151



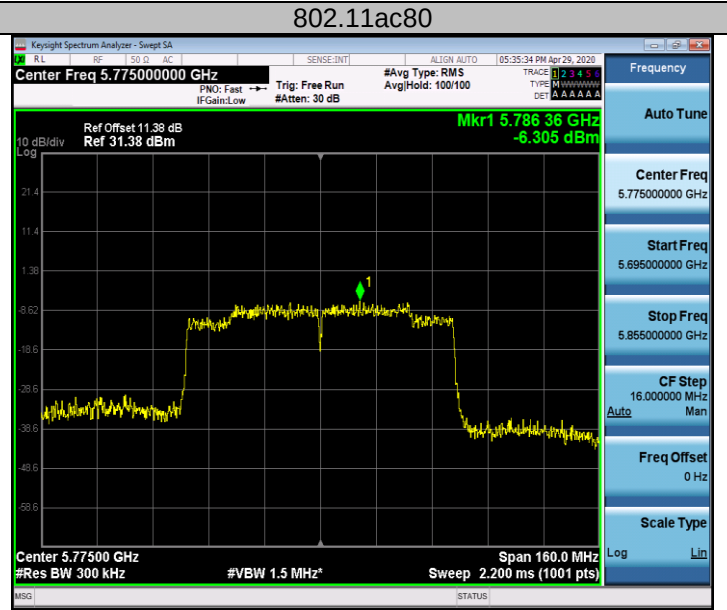
CH 159



CH 165



CH 151



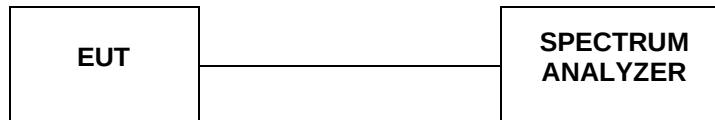
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4.6. 6dB Bandwidth

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 section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 KHz for the band 5.715-5.85 GHz. The following procedure shall be used for measuring this bandwidth:

- a. Set RBW = 100 kHz.
- b. Set the video bandwidth (VBW) $\geq 3 \times$ 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 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.

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

LIMIT

For Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 KHz for the band 5.715-5.85 GHz

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)	6dB Bandwidth (MHz)	Limit (KHz)	Result
802.11a	149	16.946	15.160	≥500	Pass
	157	16.915	13.920		
	165	16.862	15.120		
802.11nHT20	149	18.039	15.200	≥500	Pass
	157	18.009	15.120		
	165	18.001	15.200		
802.11ac20	149	18.072	15.120	≥500	Pass
	157	18.038	15.200		
	165	18.012	15.200		
802.11n40	151	36.300	35.200	≥500	Pass
	159	36.267	35.280		
802.11ac40	151	36.283	35.280	≥500	Pass
	159	36.310	35.280		
802.11ac80	155	75.711	75.520	≥500	Pass

Antenna 1:

Type	Channel	99%Bandwidth (MHz)	6dB Bandwidth (MHz)	Limit (KHz)	Result
802.11a	149	16.898	15.200	≥500	Pass
	157	16.900	15.200		
	165	16.897	15.160		
802.11nHT20	149	18.037	15.200	≥500	Pass
	157	18.027	15.160		
	165	18.007	15.160		
802.11ac20	149	18.065	13.920	≥500	Pass
	157	17.976	15.080		
	165	18.021	15.200		
802.11n40	151	36.325	35.280	≥500	Pass
	159	36.309	35.280		
802.11ac40	151	36.260	35.280	≥500	Pass
	159	36.251	35.280		
802.11ac80	155	75.638	75.520	≥500	Pass

Antenna 0:

99%Bandwidth

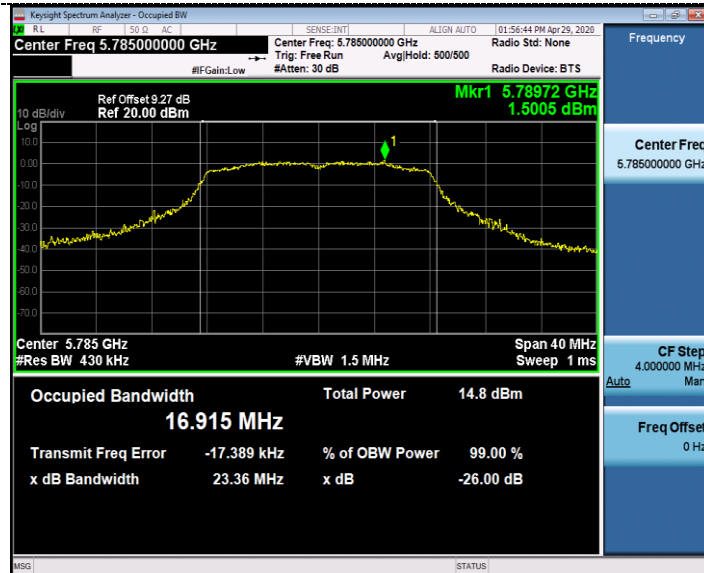
802.11a

802.11n HT20



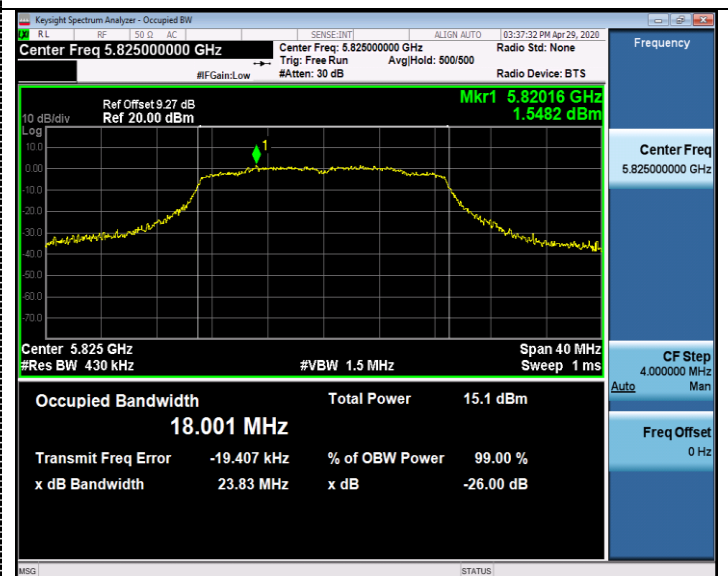
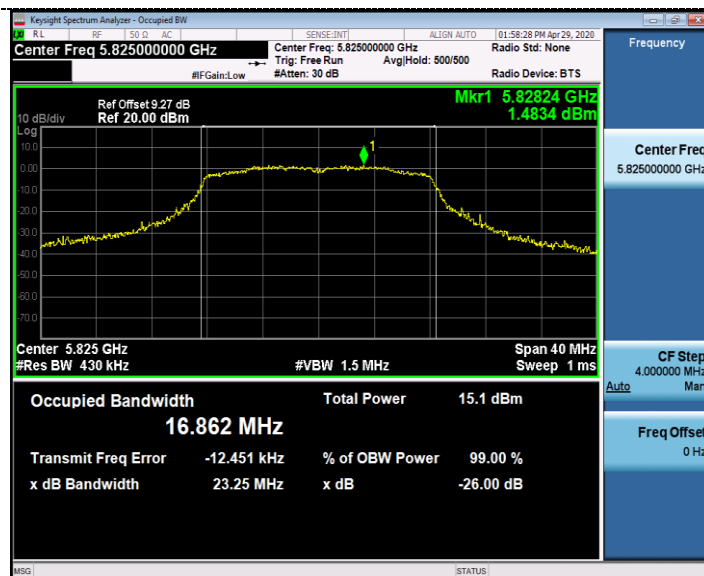
CH149

CH149



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99%Bandwidth

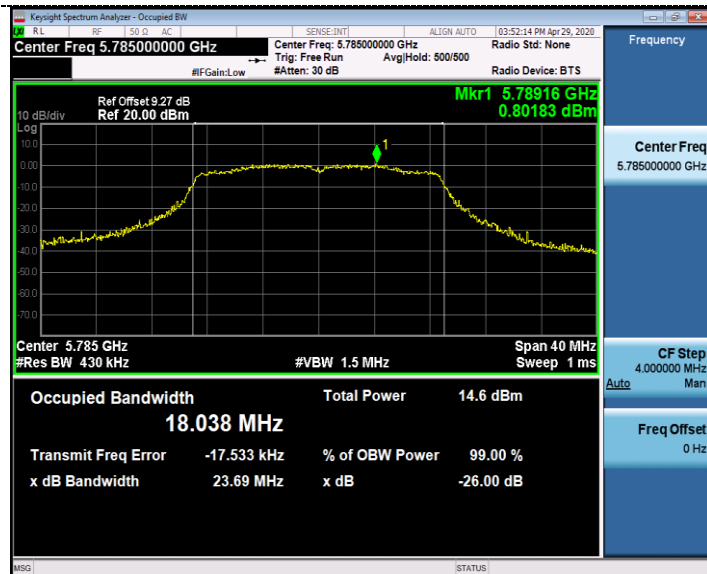
802.11ac20



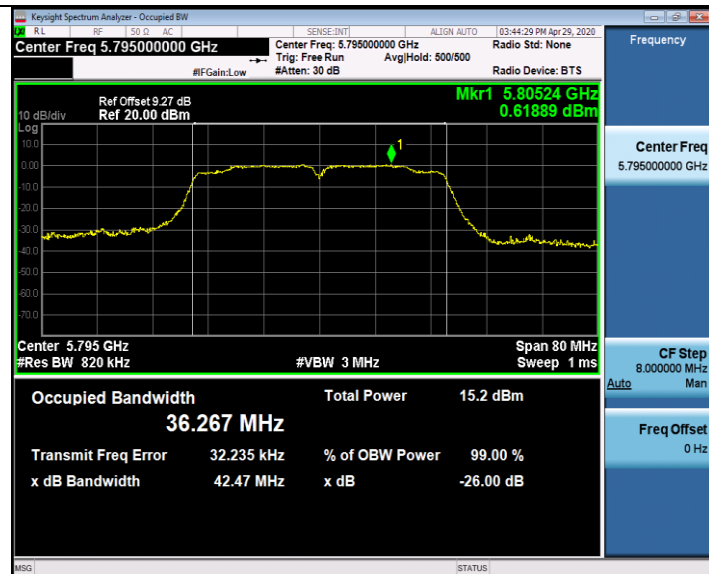
802.11n HT40



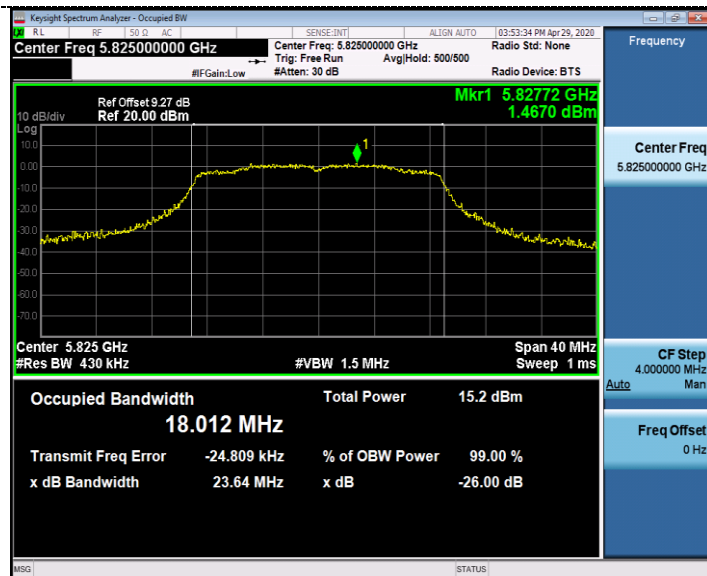
CH149



CH151



CH157



CH159

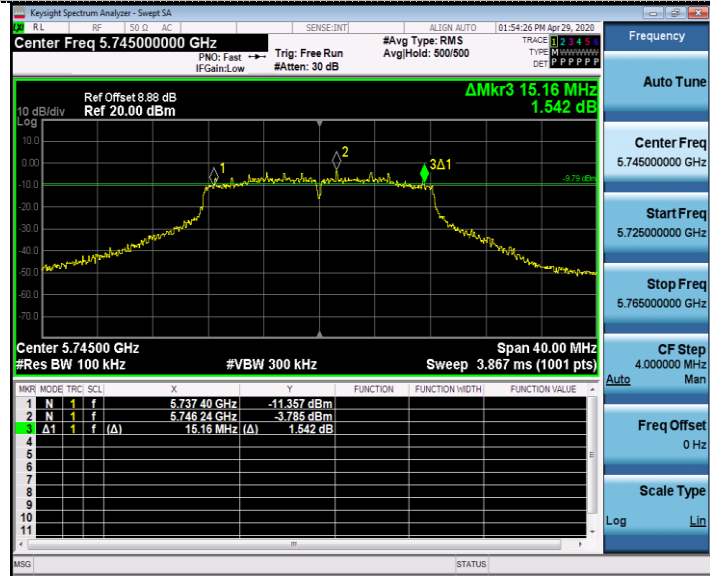


CH165

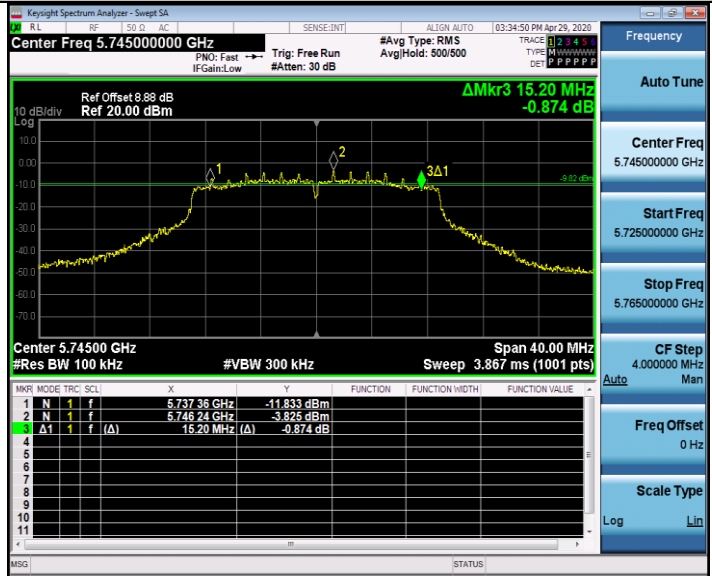


6dB Bandwidth

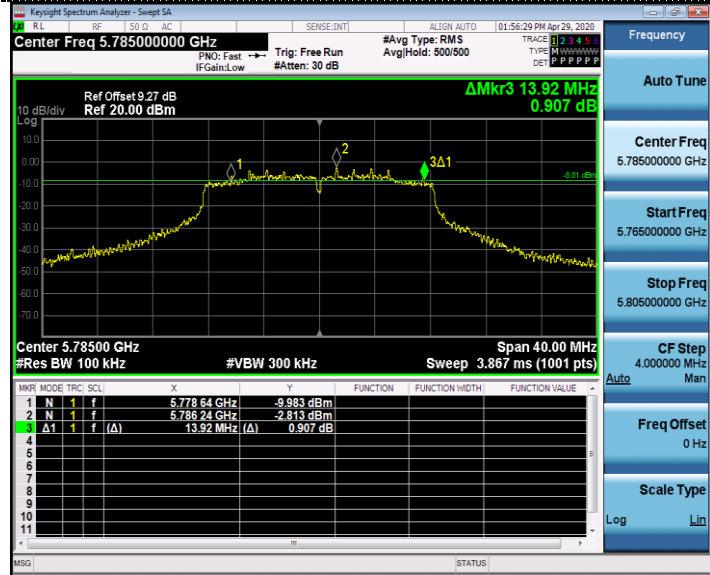
802.11a



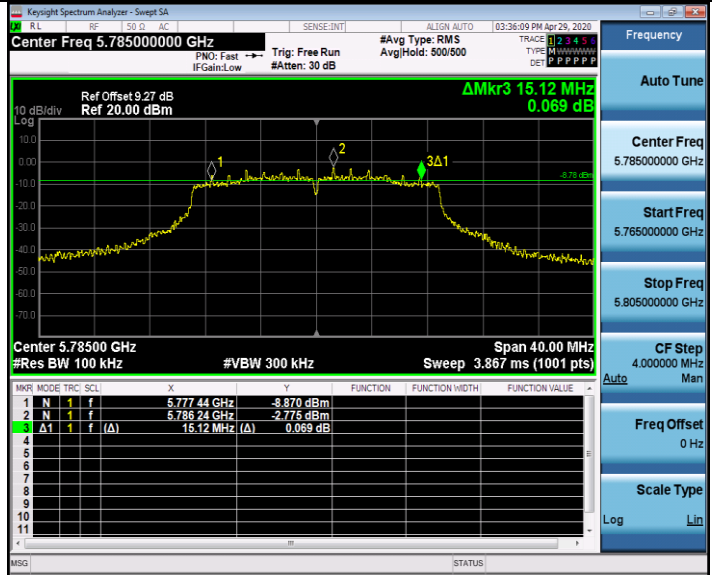
802.11n HT20



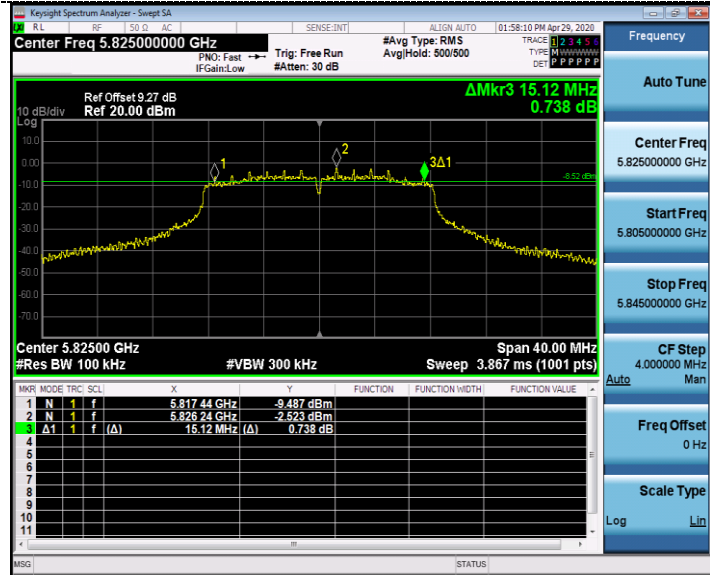
CH149



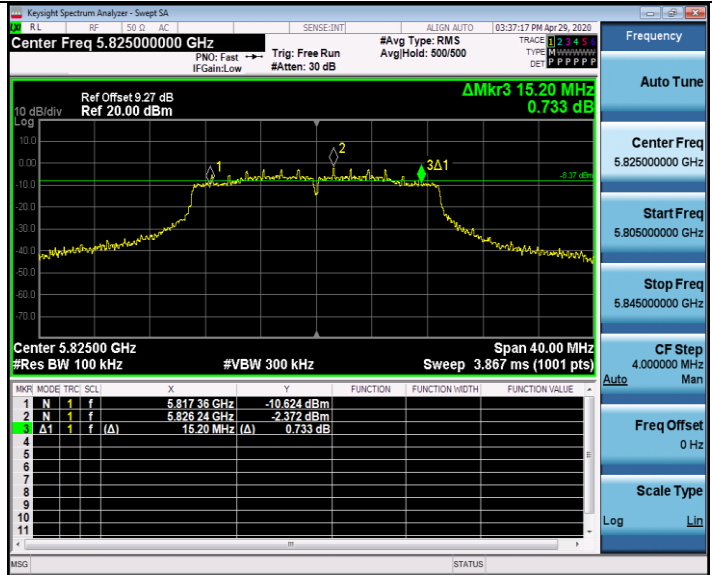
CH149



CH157



CH157



CH165

CH165