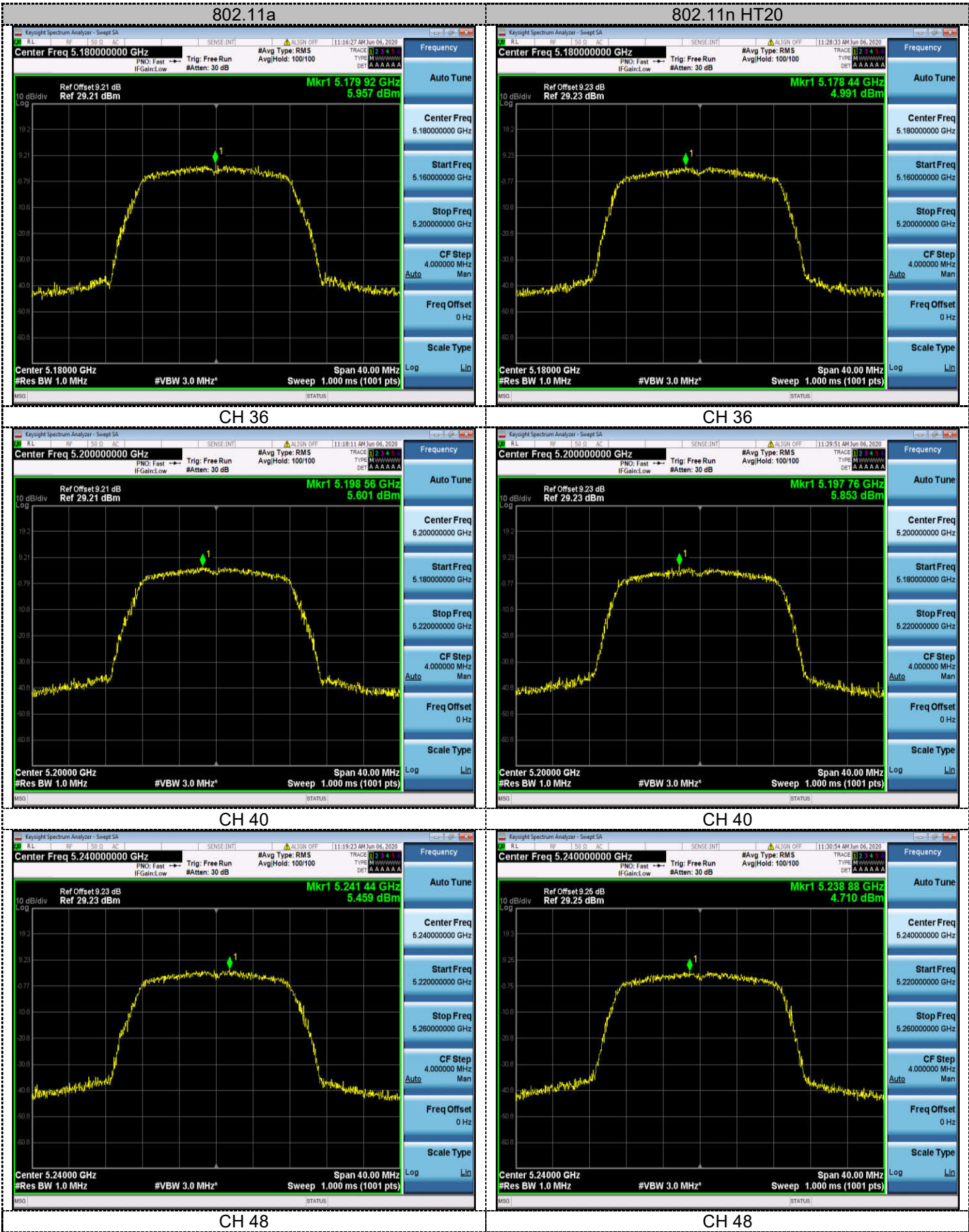
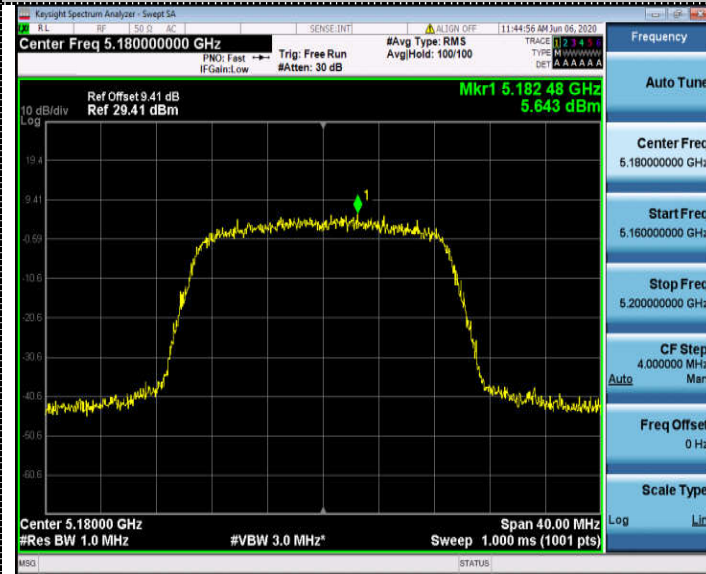


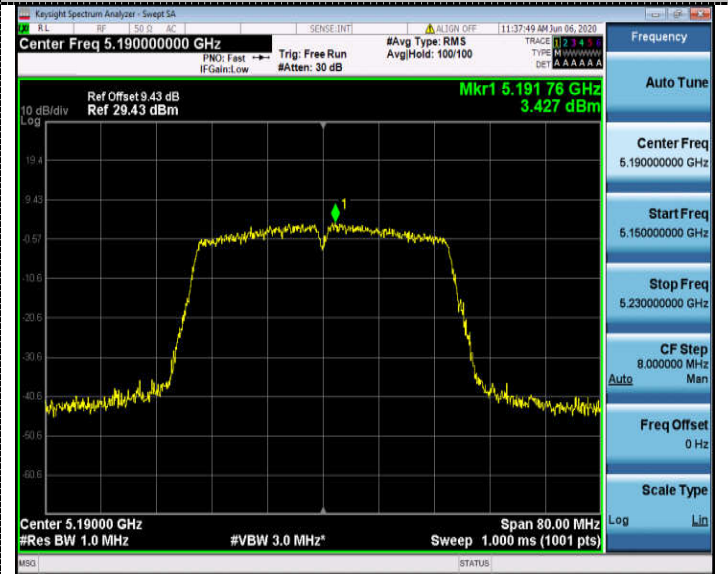
Antenna 3:
5150-5250MHz:



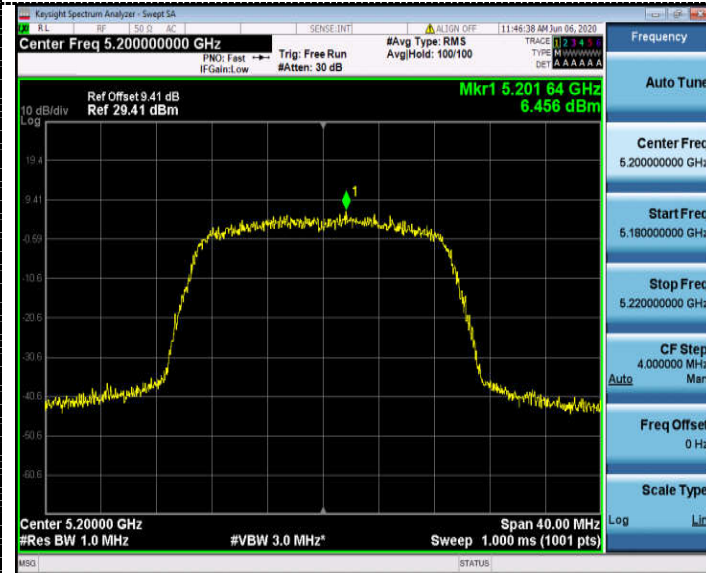
802.11ac20



802.11n HT40



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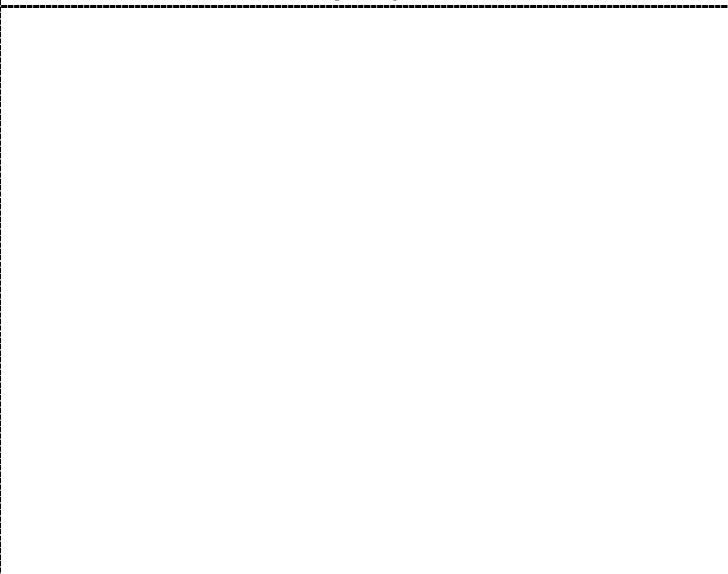
CH 38



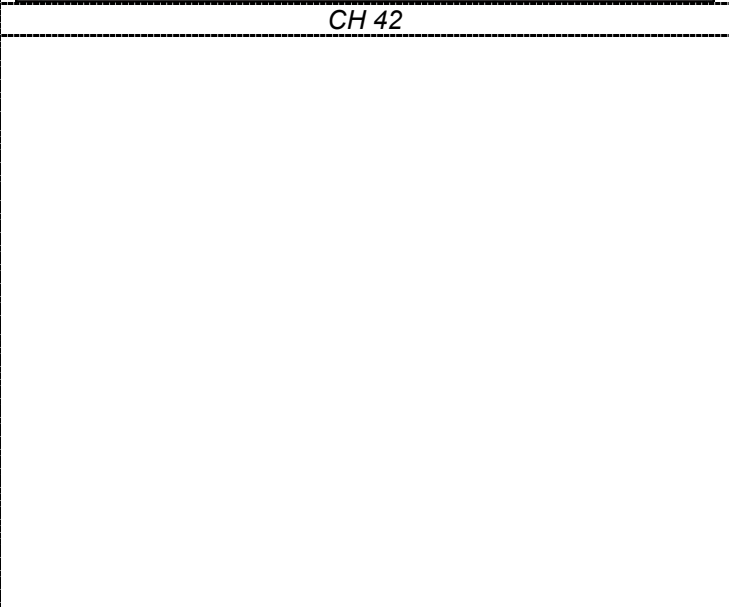
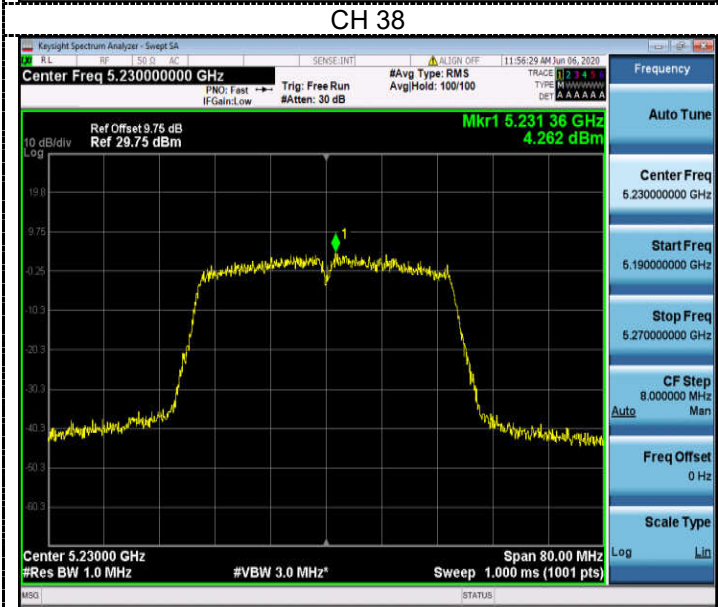
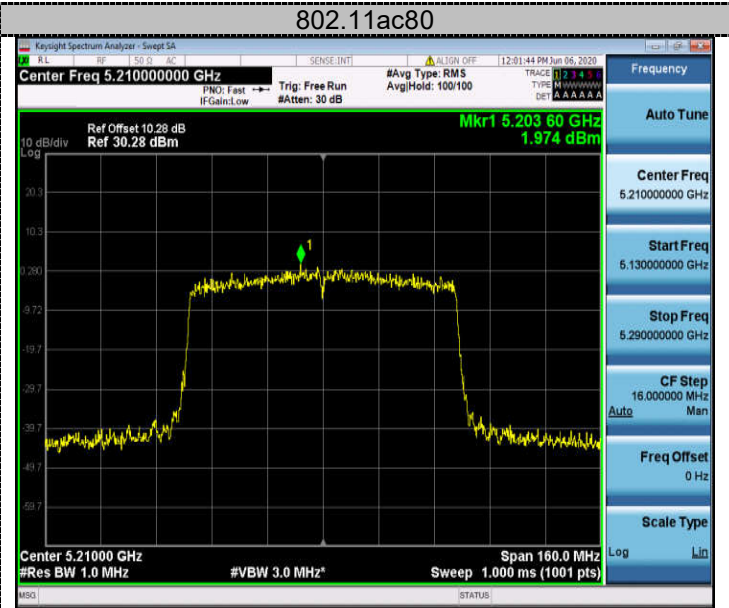
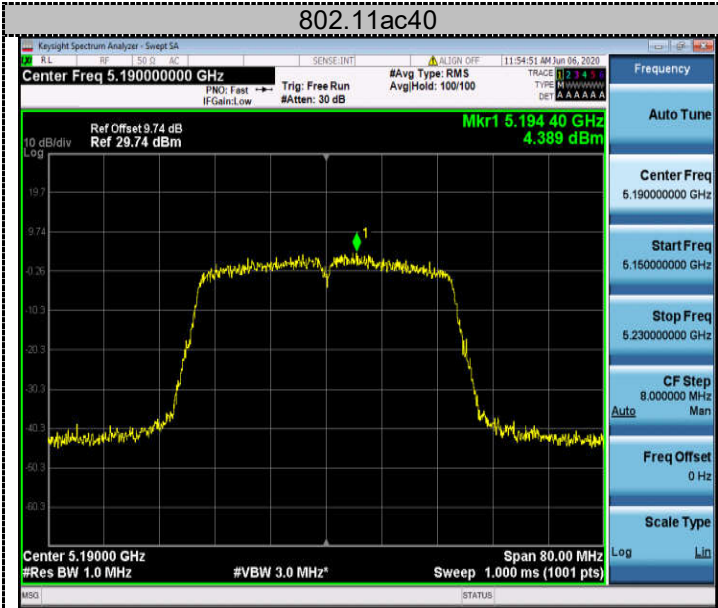
CH 40



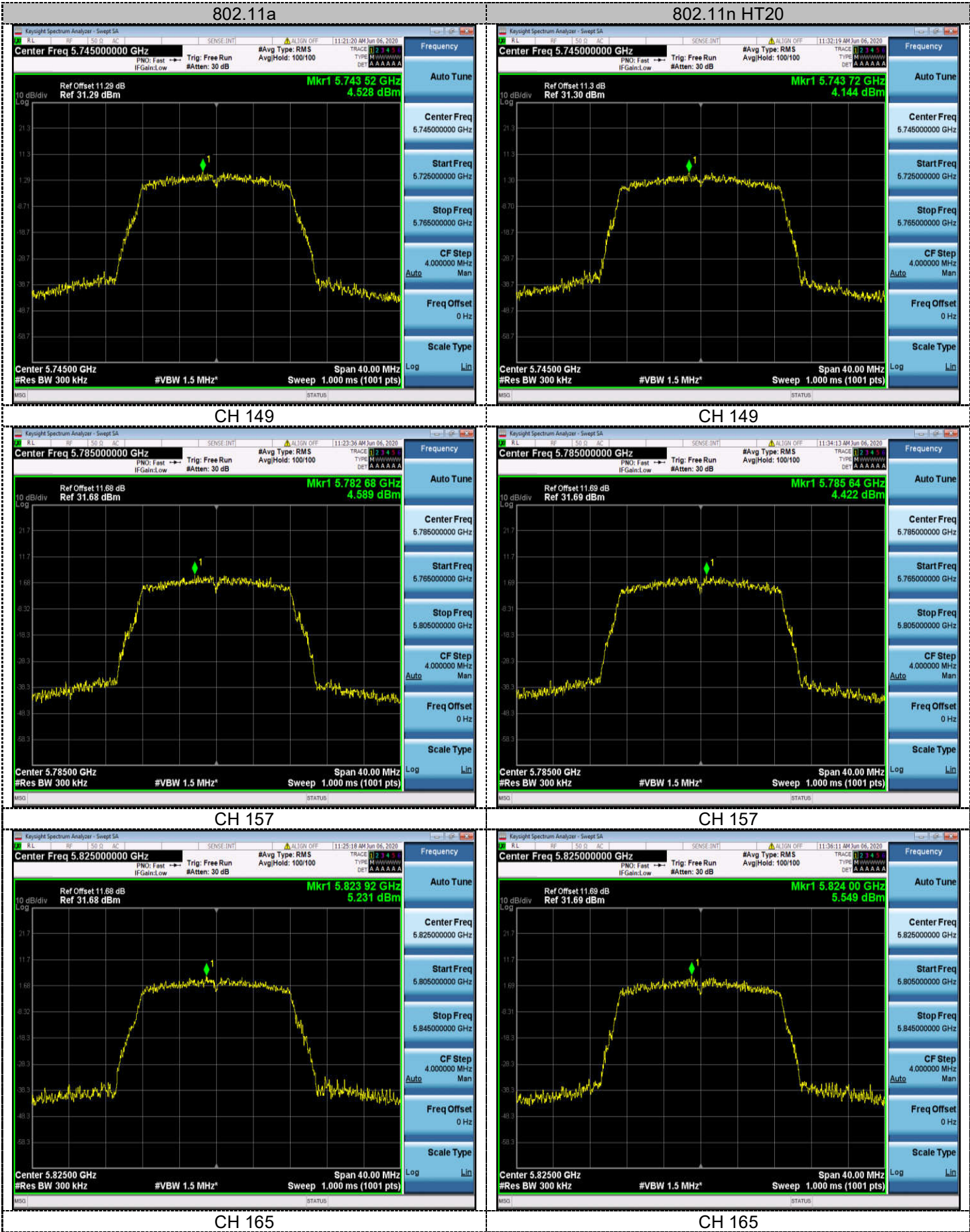
CH 46

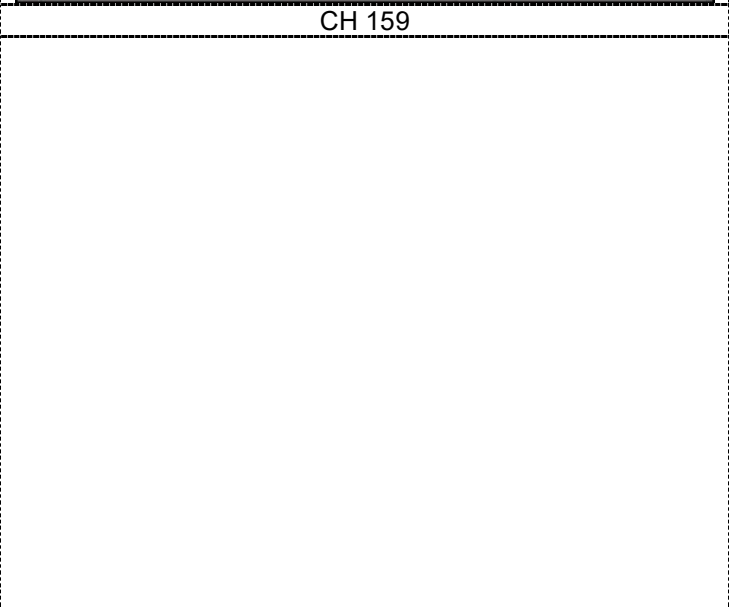
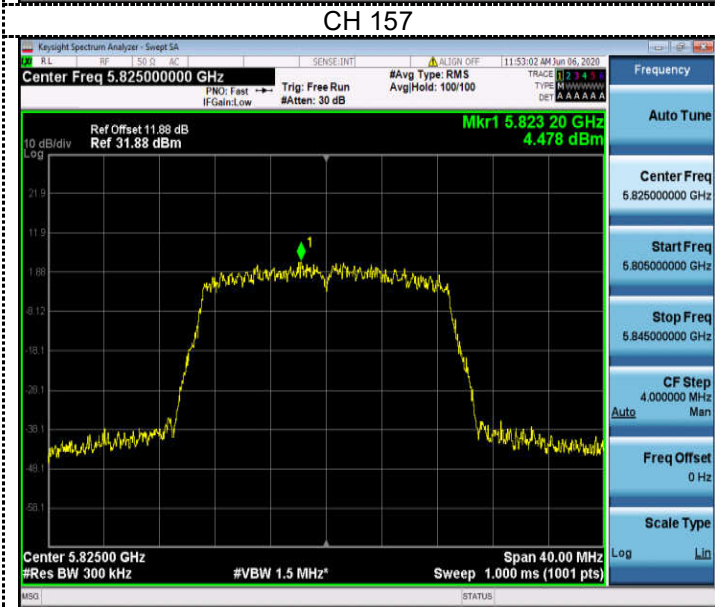
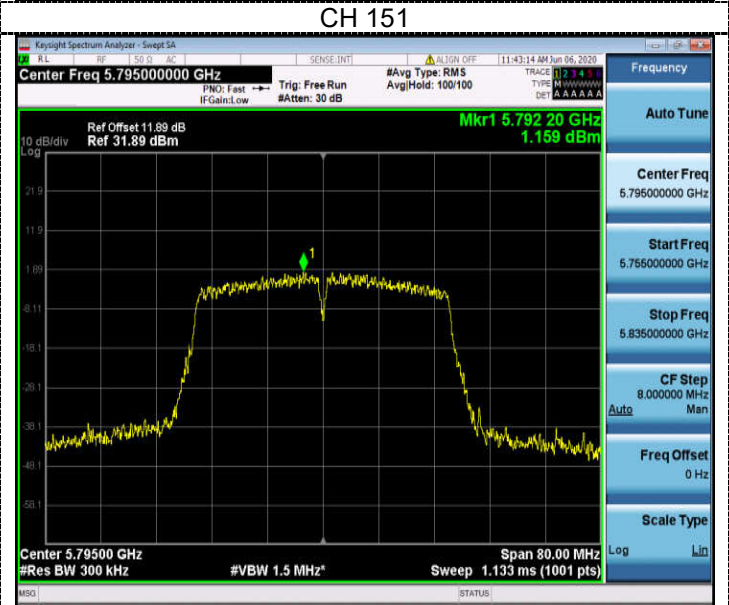
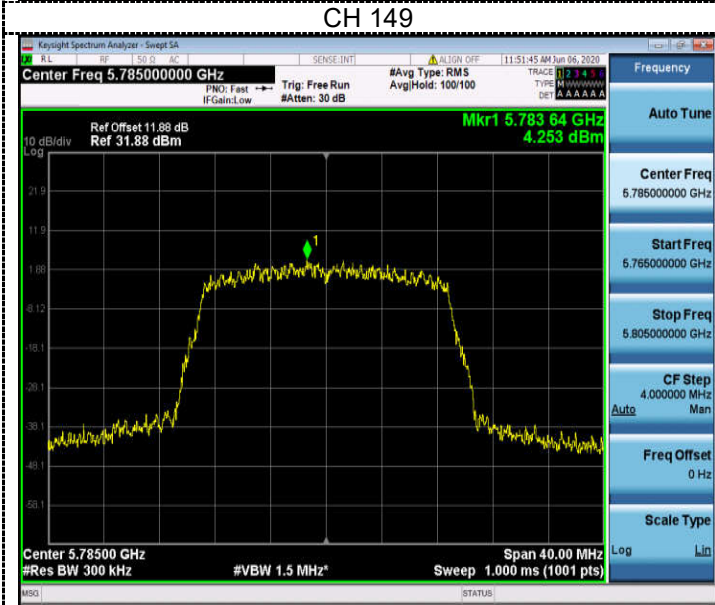
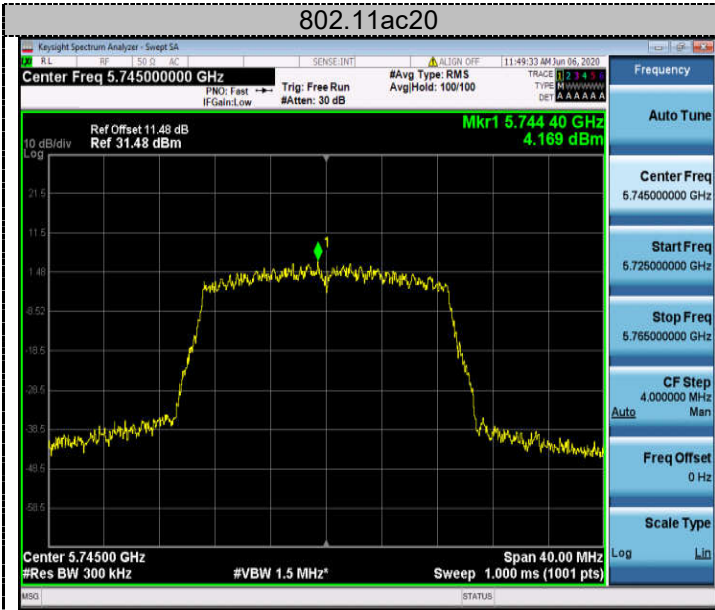


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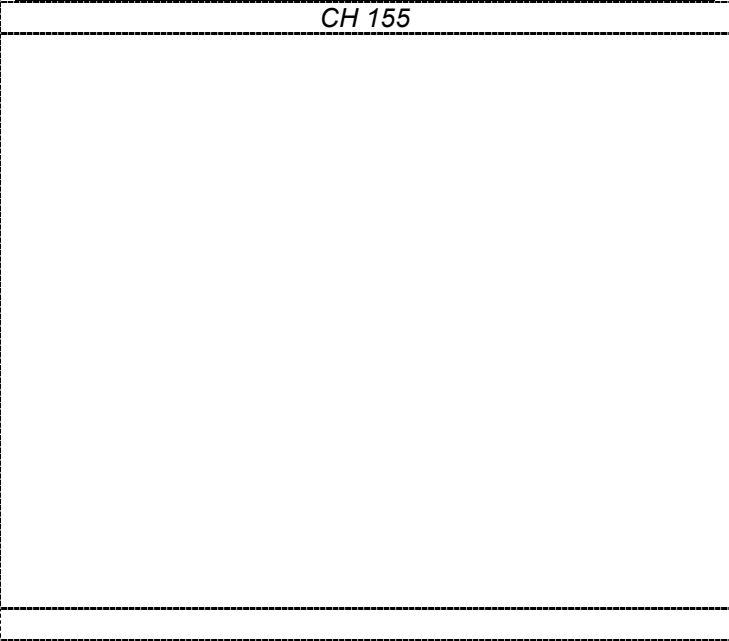
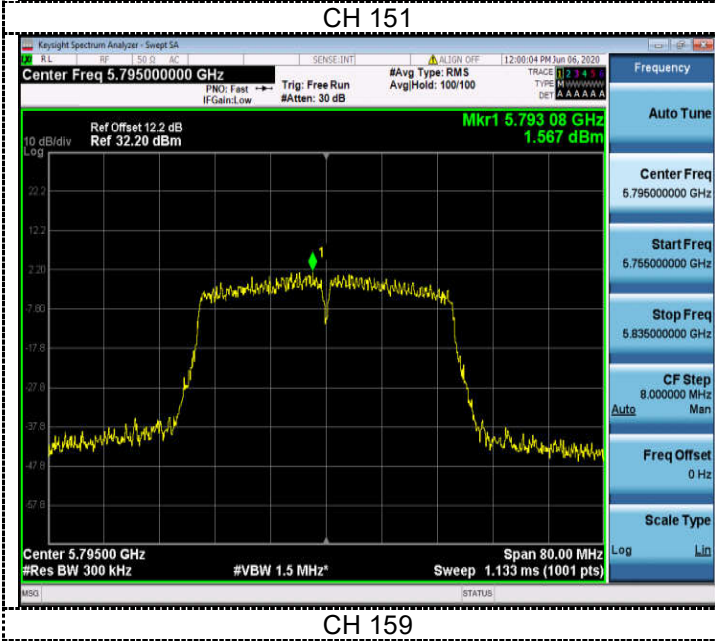
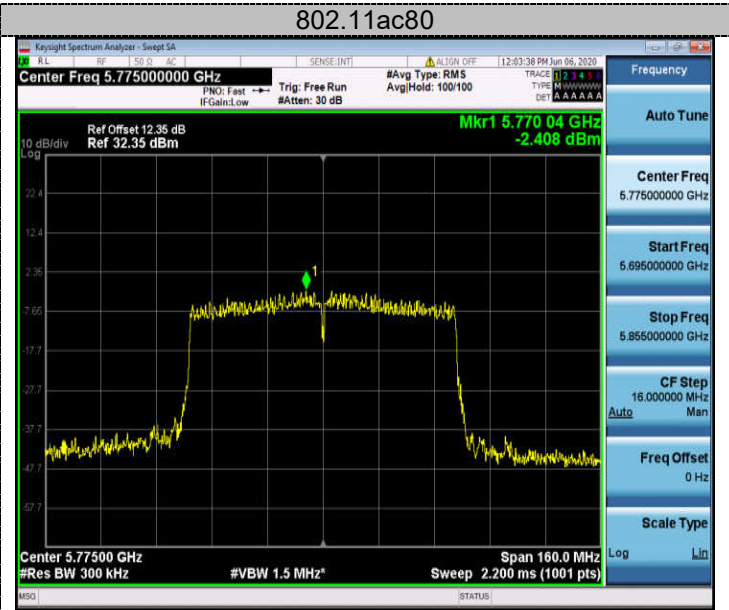


5725-5850MHz:



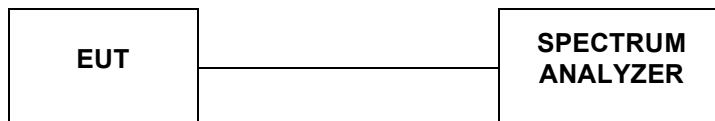


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4.6. 6dB Bandwidth

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:

- Set RBW = 100 kHz.
- Set the video bandwidth (VBW) $\geq 3 \times$ RBW
- Detector = Peak.
- Trace mode = max hold.
- Sweep = auto couple.
- Allow the trace to stabilize
- 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	23.7°C	Humidity	55.4%
Test Engineer	Moon Tan	Configurations	IEEE 802.11a/n/ac

Antenna 2:

Type	Channel	99%Bandwidth (MHz)	6dB Bandwidth (MHz)	Limit (KHz)	Result
802.11a	149	16.878	15.080	≥500	Pass
	157	16.897	15.120		
	165	16.954	15.200		
802.11nHT20	149	17.853	15.200	≥500	Pass
	157	17.842	15.160		
	165	17.913	15.160		
802.11ac20	149	17.715	15.760	≥500	Pass
	157	17.732	15.160		
	165	17.685	15.760		
802.11n40	151	36.286	35.280	≥500	Pass
	159	36.339	35.280		
802.11ac40	151	36.127	35.280	≥500	Pass
	159	36.197	35.280		
802.11ac80	155	75.341	75.520	≥500	Pass

Antenna 3:

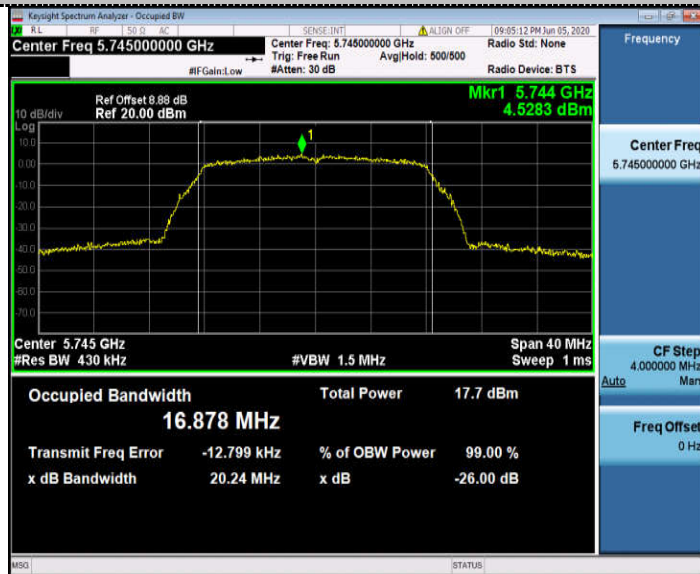
Type	Channel	99%Bandwidth (MHz)	6dB Bandwidth (MHz)	Limit (KHz)	Result
802.11a	149	16.912	15.200	≥500	Pass
	157	16.943	15.200		
	165	16.915	15.200		
802.11nHT20	149	17.846	15.120	≥500	Pass
	157	17.851	15.200		
	165	17.834	15.160		
802.11ac20	149	17.709	15.200	≥500	Pass
	157	17.699	15.200		
	165	17.682	15.200		
802.11n40	151	36.341	35.280	≥500	Pass
	159	36.263	35.280		
802.11ac40	151	36.171	35.280	≥500	Pass
	159	36.137	35.280		
802.11ac80	155	75.285	75.520	≥500	Pass

Antenna 2:

99%Bandwidth

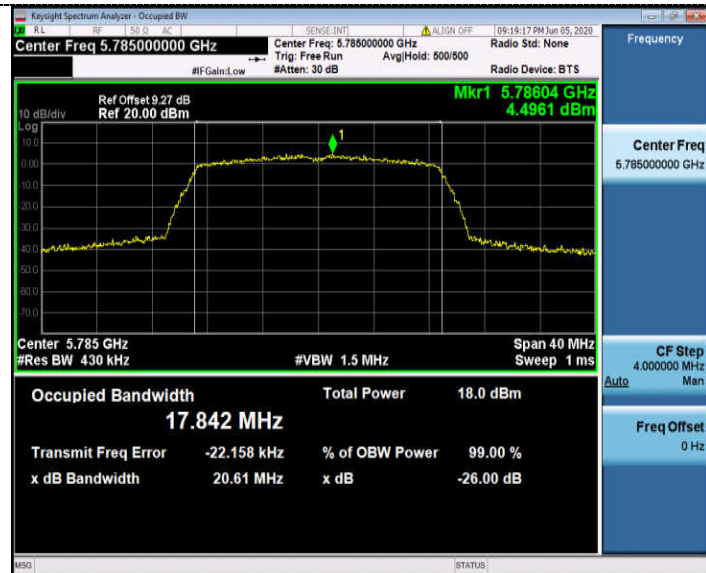
802.11a

802.11n HT20



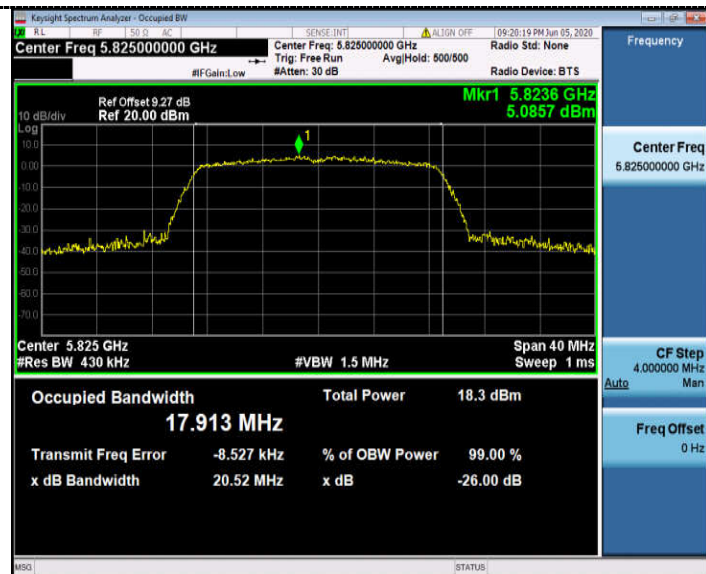
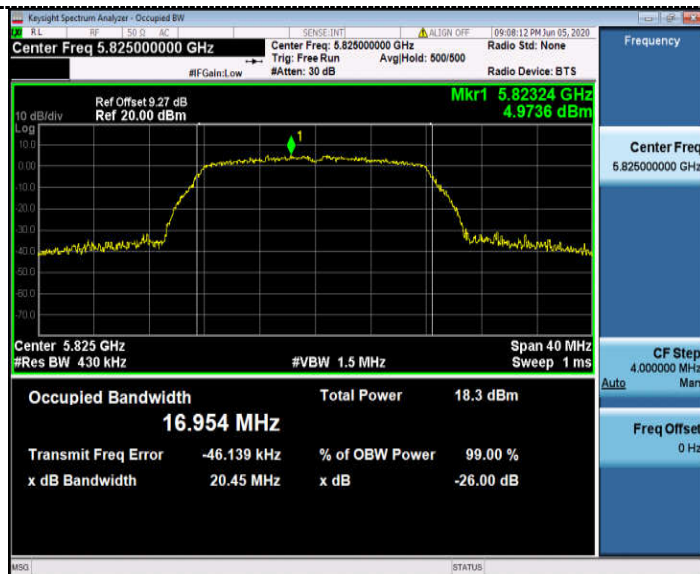
CH149

CH149



CH157

CH157



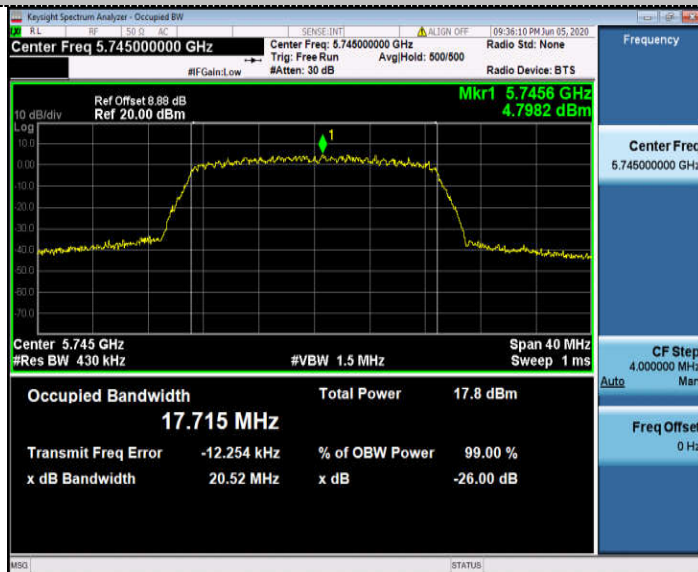
CH165

CH165

99%Bandwidth

802.11ac20

802.11n HT40



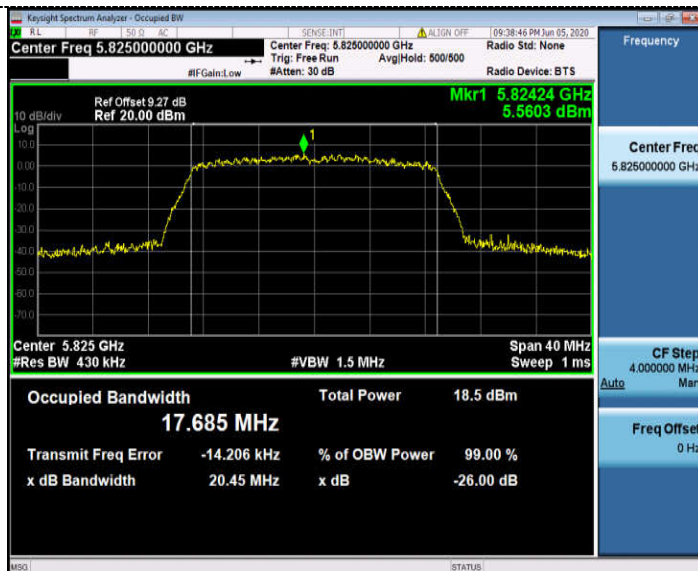
CH149

CH151

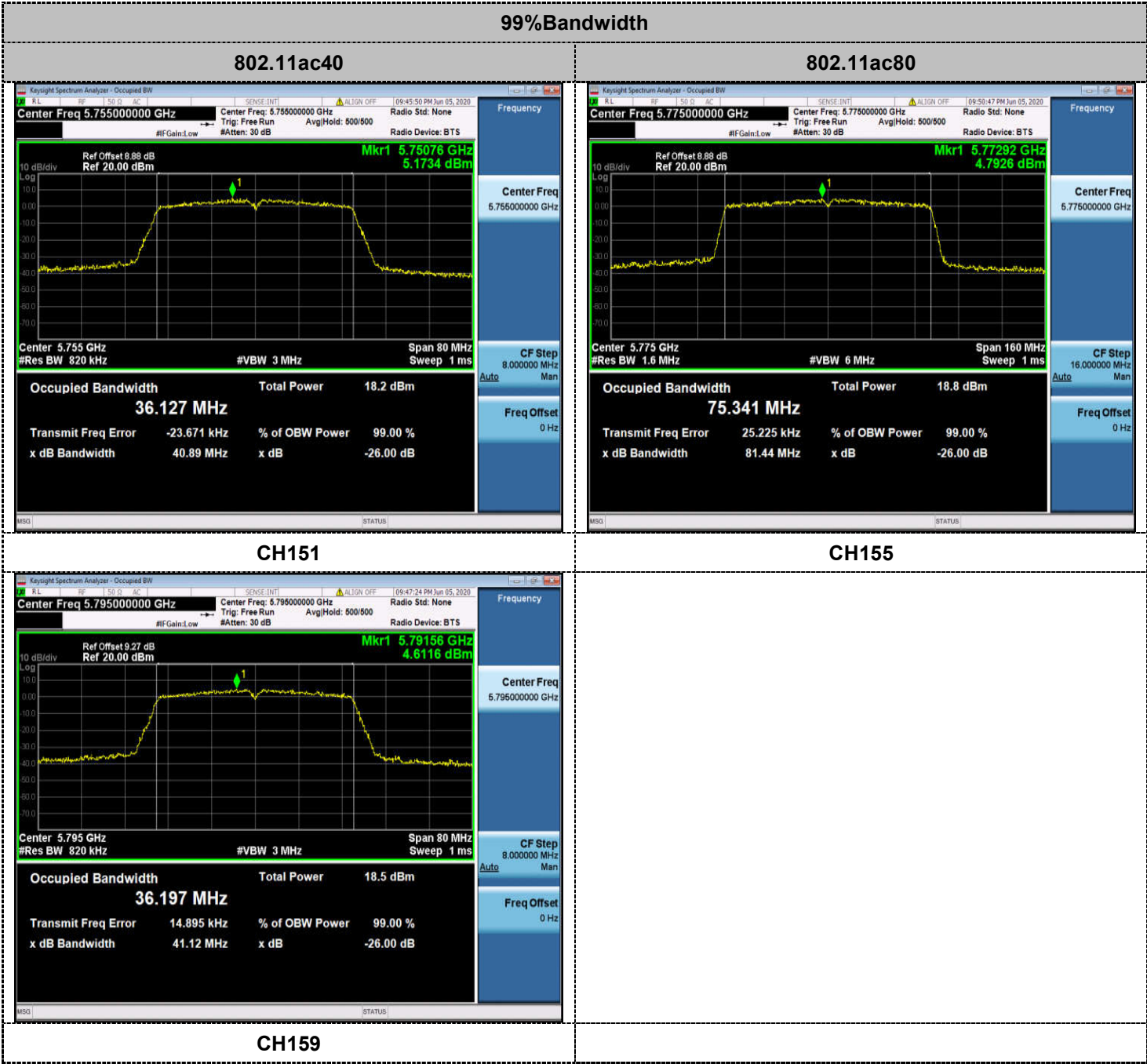


CH157

CH159



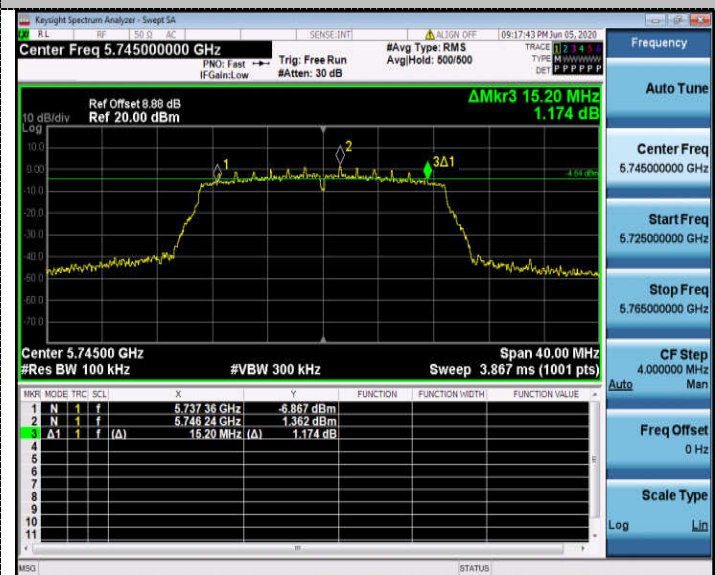
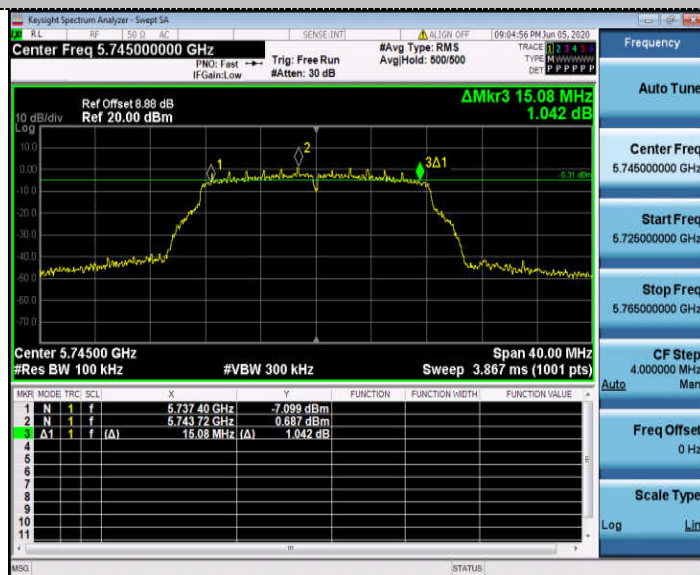
CH165



6dB Bandwidth

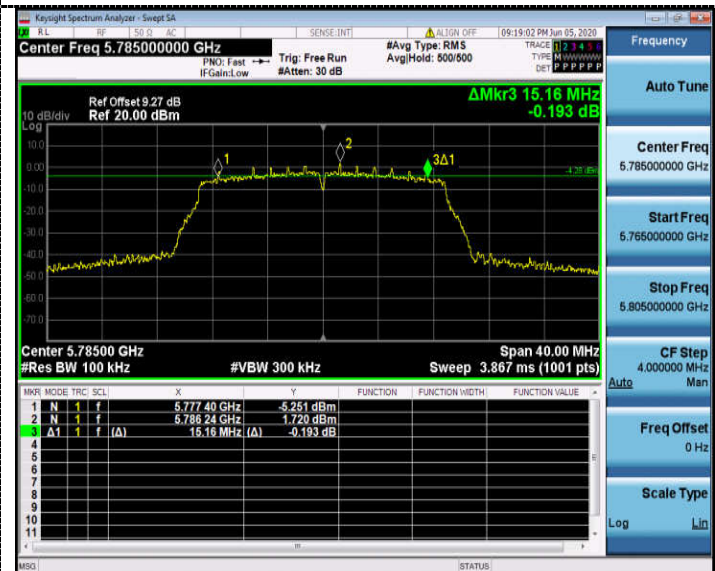
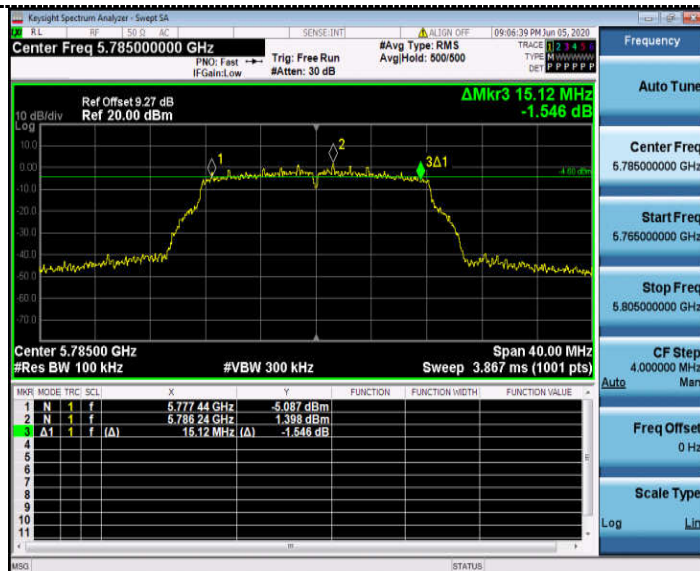
802.11a

802.11n HT20



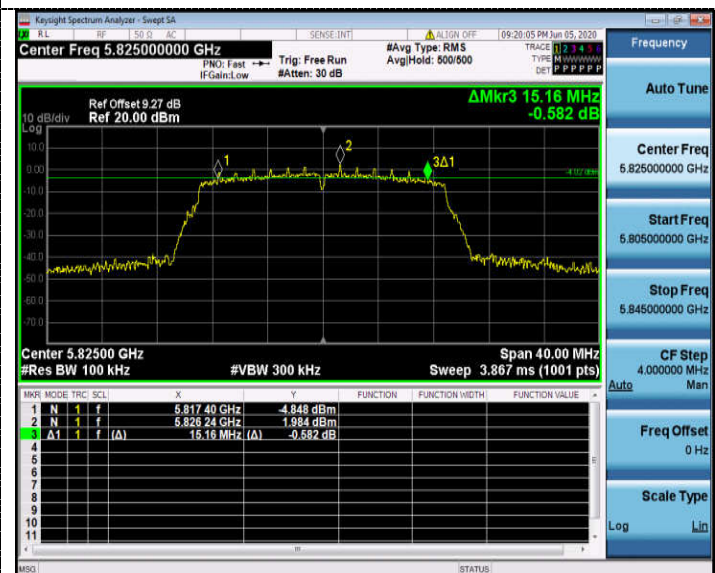
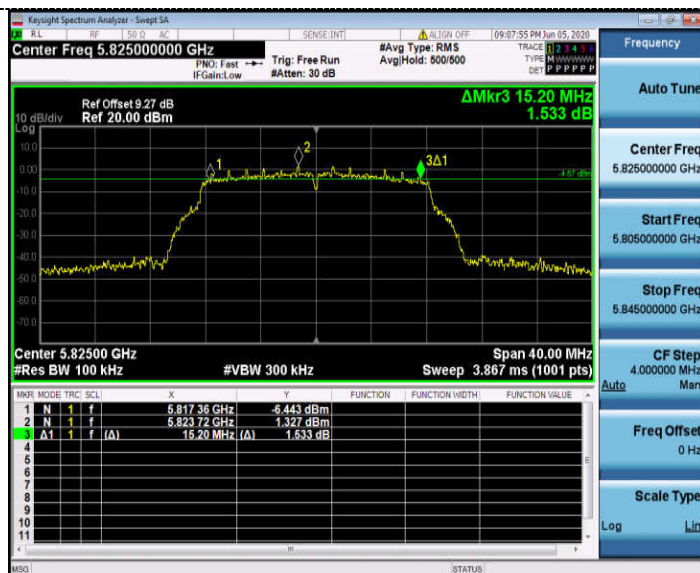
CH149

CH149



CH157

CH157



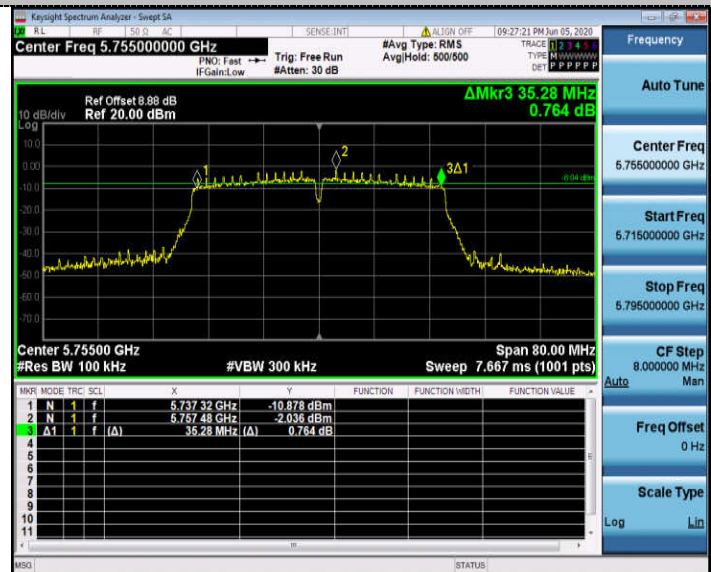
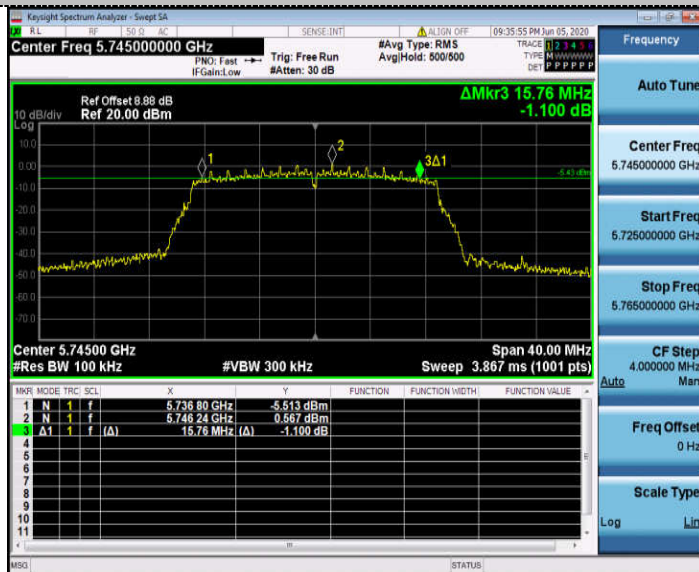
CH165

CH165

6dB Bandwidth

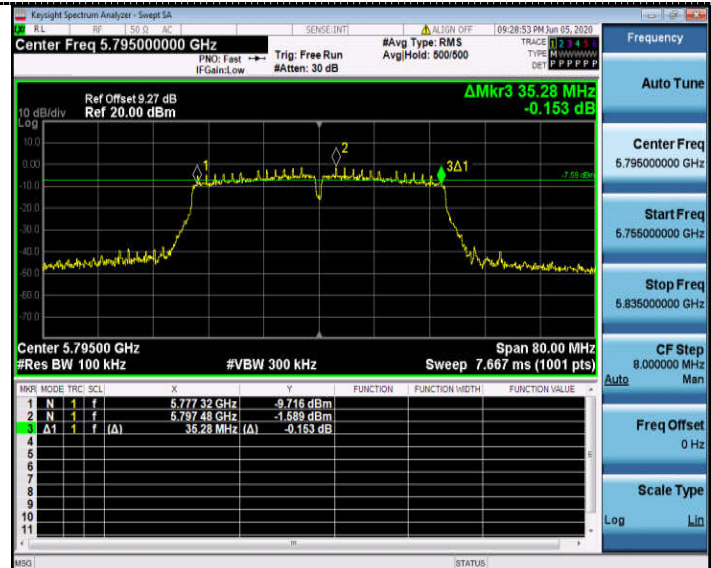
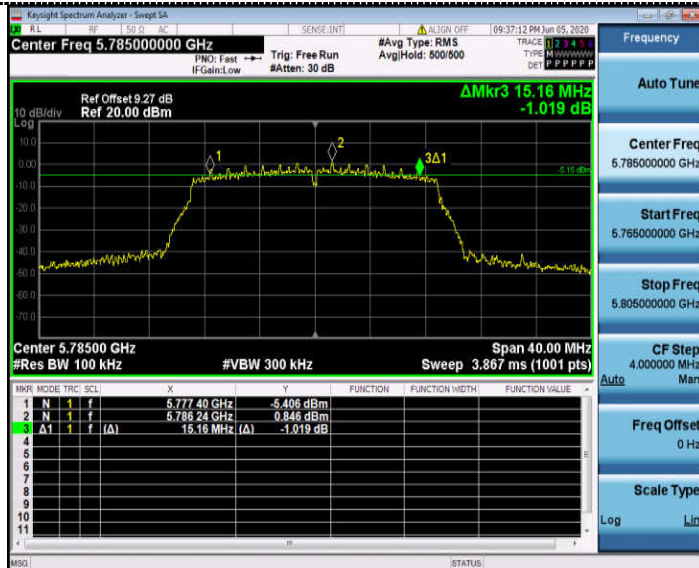
802.11ac20

802.11n HT40



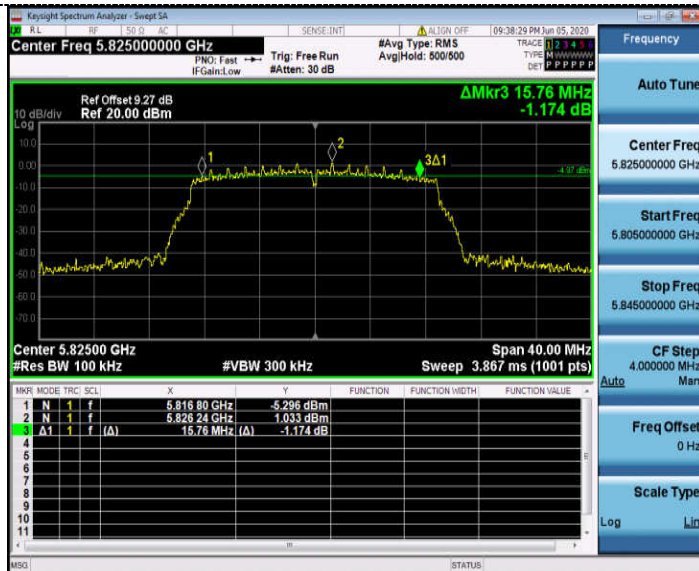
CH149

CH151



CH157

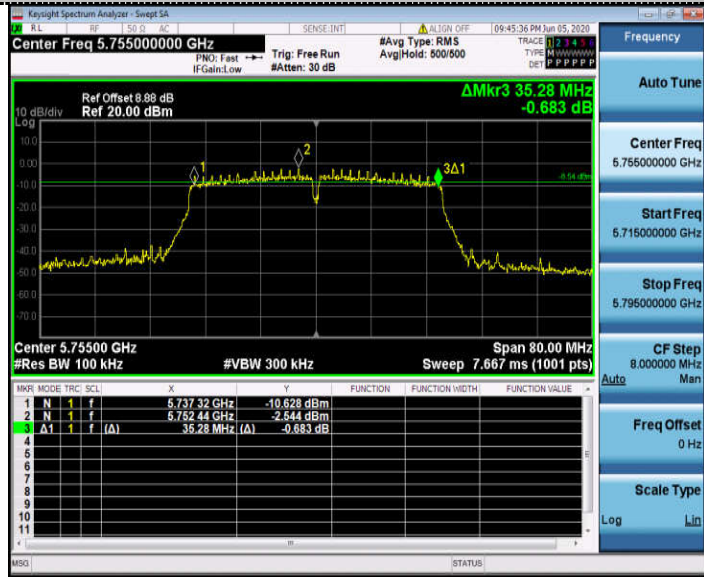
CH159



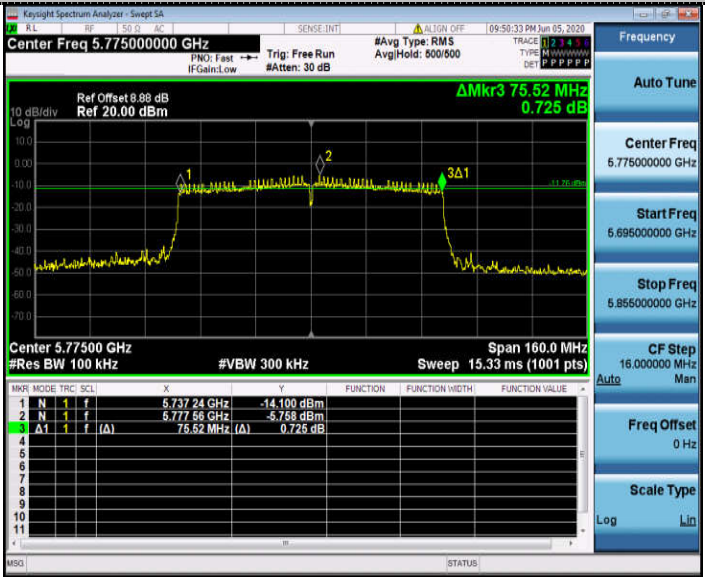
CH165

6dB Bandwidth

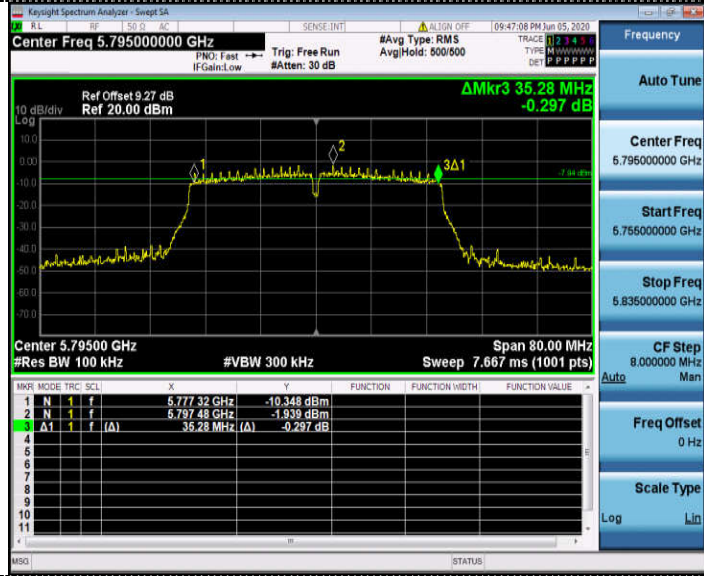
802.11ac40



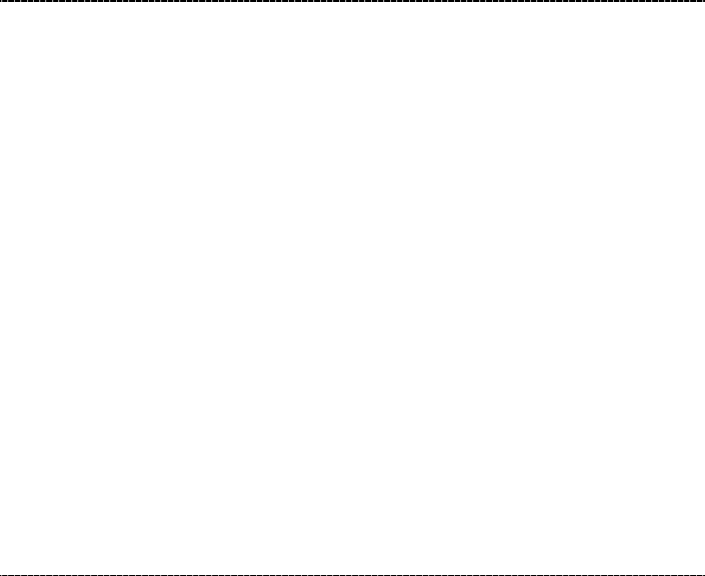
802.11ac80



CH151



CH155



CH159

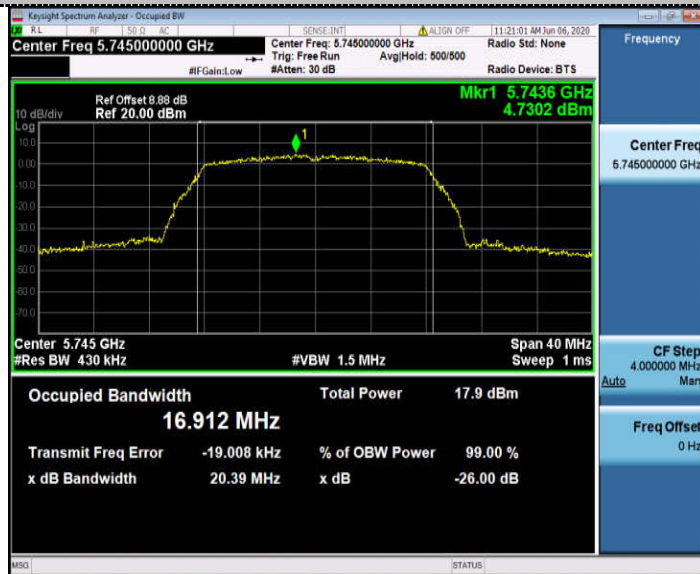


Antenna 3:

99%Bandwidth

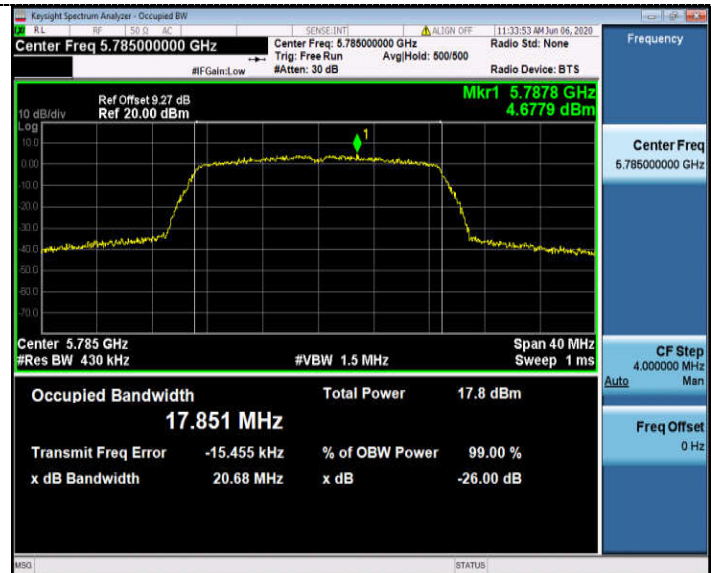
802.11a

802.11n HT20



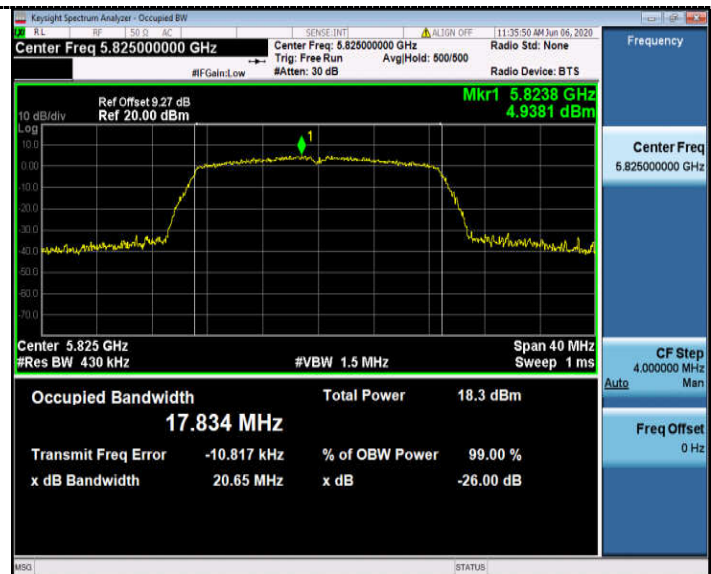
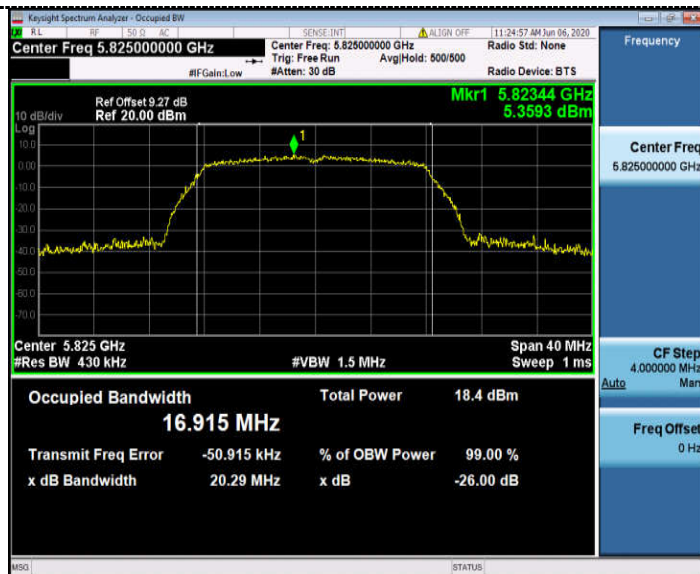
CH149

CH149



CH157

CH157



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99%Bandwidth

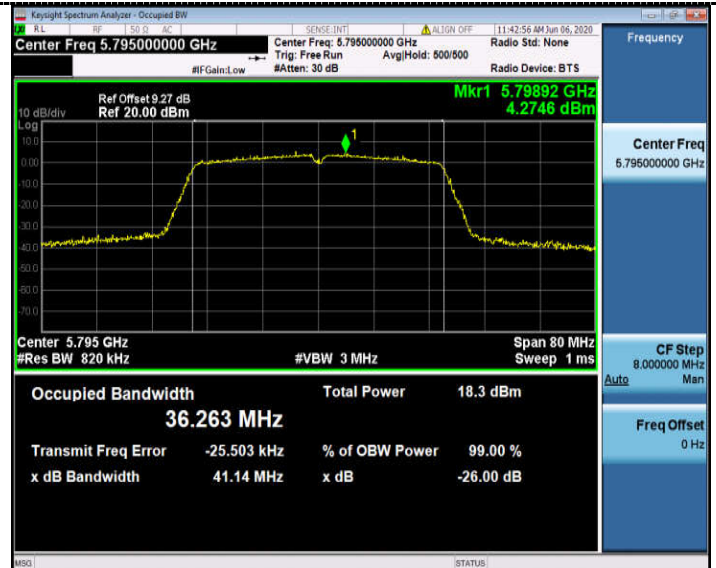
802.11ac20

802.11n HT40



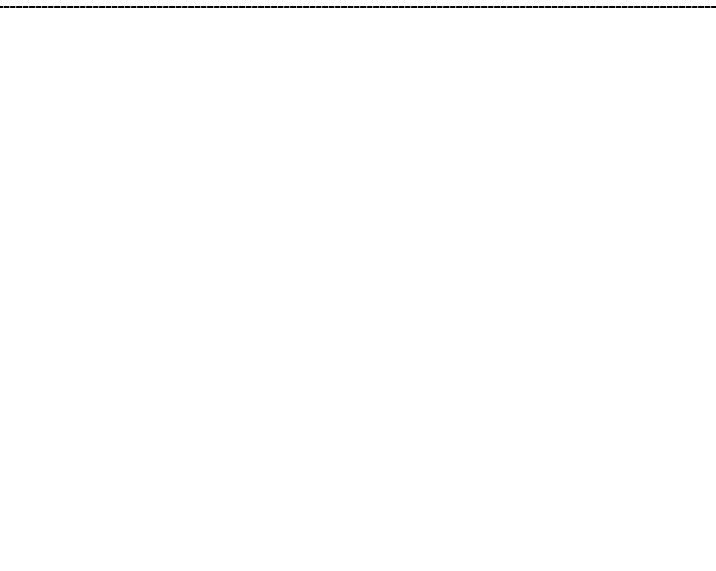
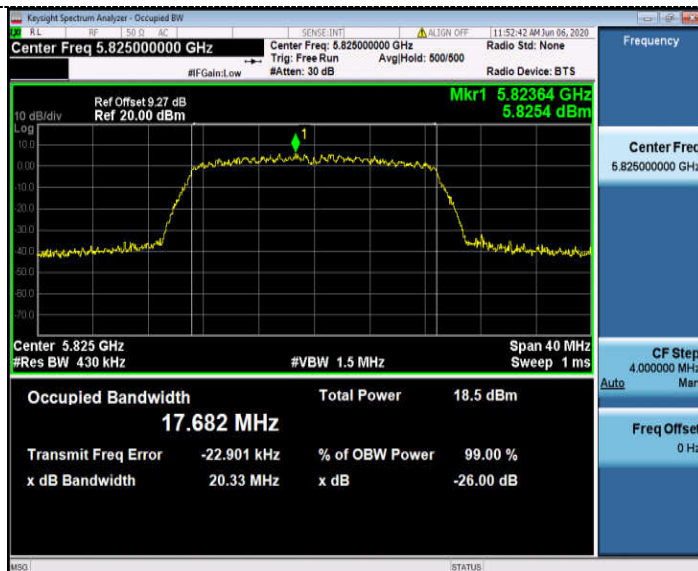
CH149

CH151



CH157

CH159



CH165

