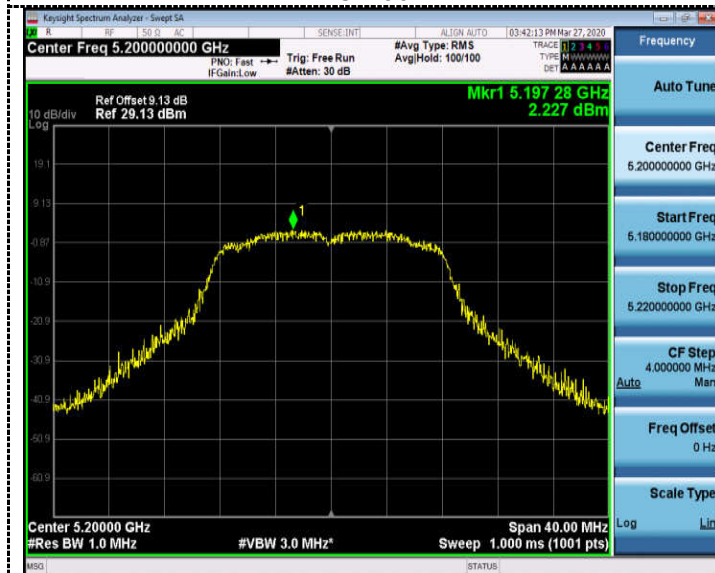


5150-5250MHz:



CH 36



CH 40

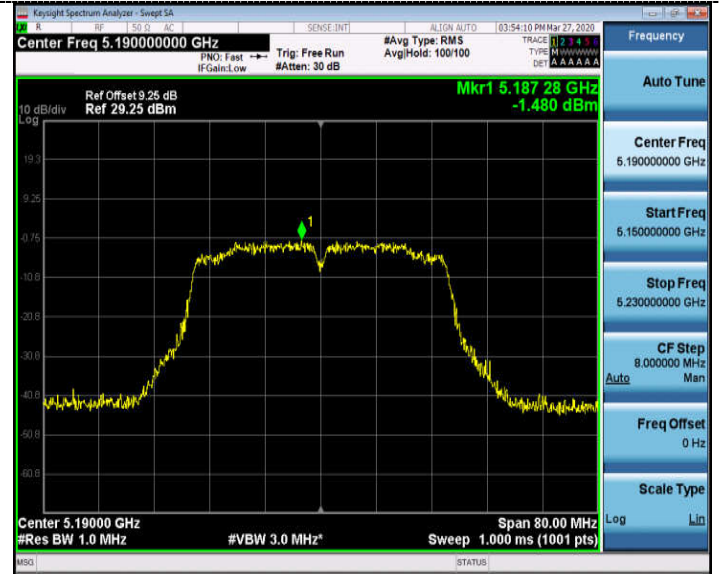


CH 48

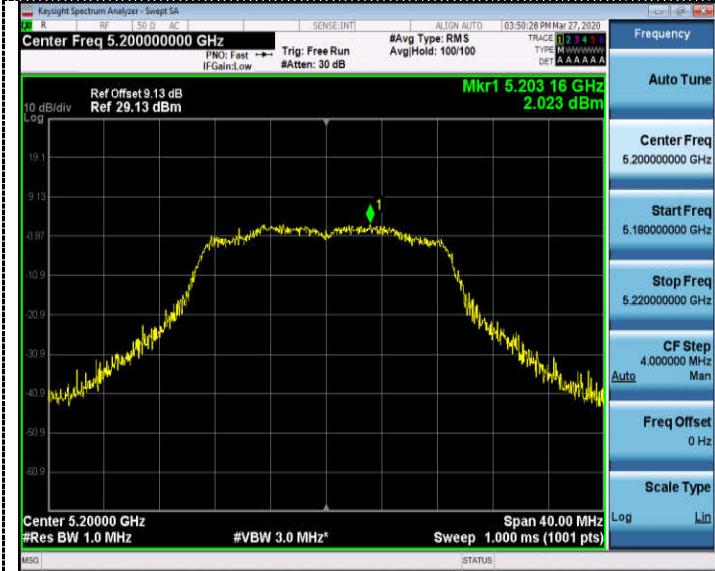
802.11ac20



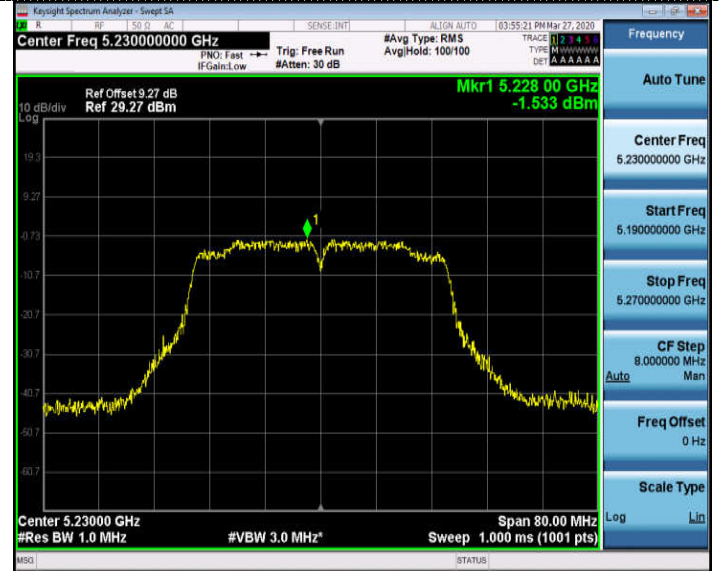
802.11n HT40



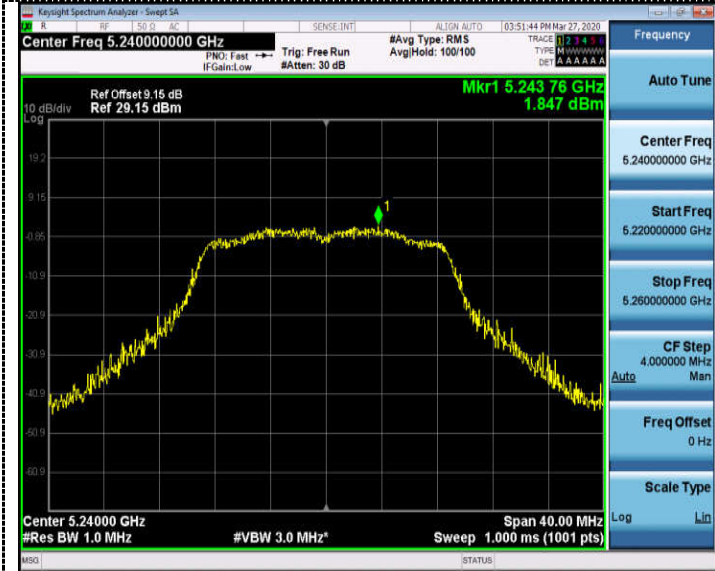
CH 36



CH 38



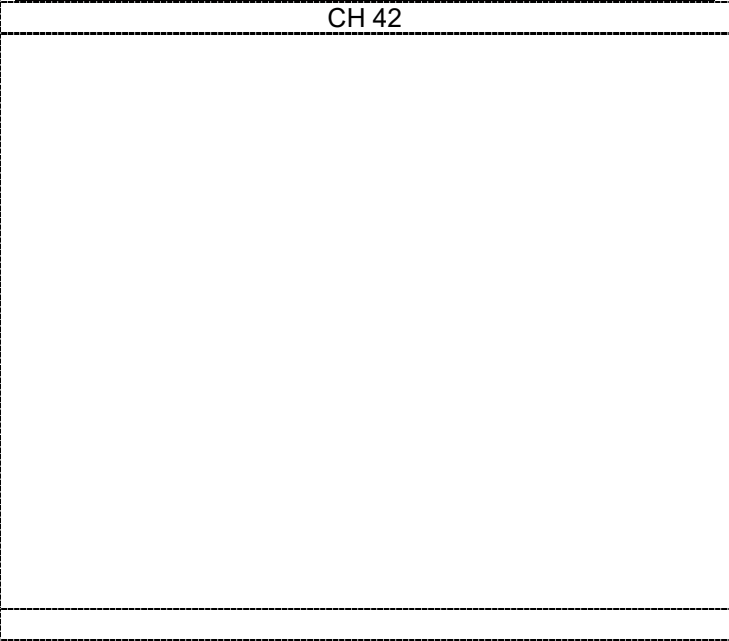
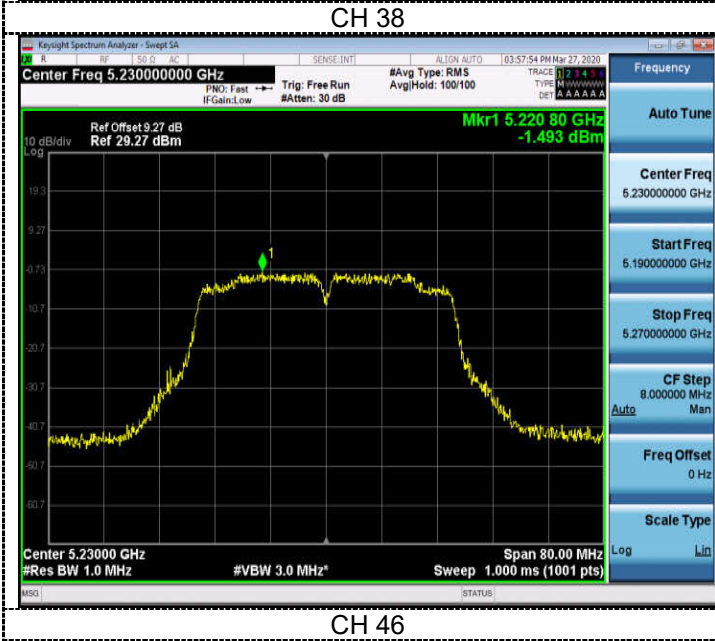
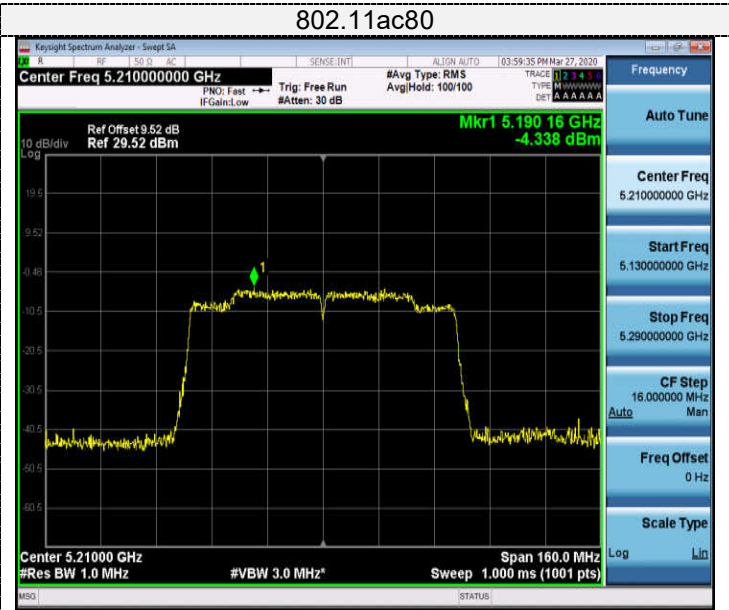
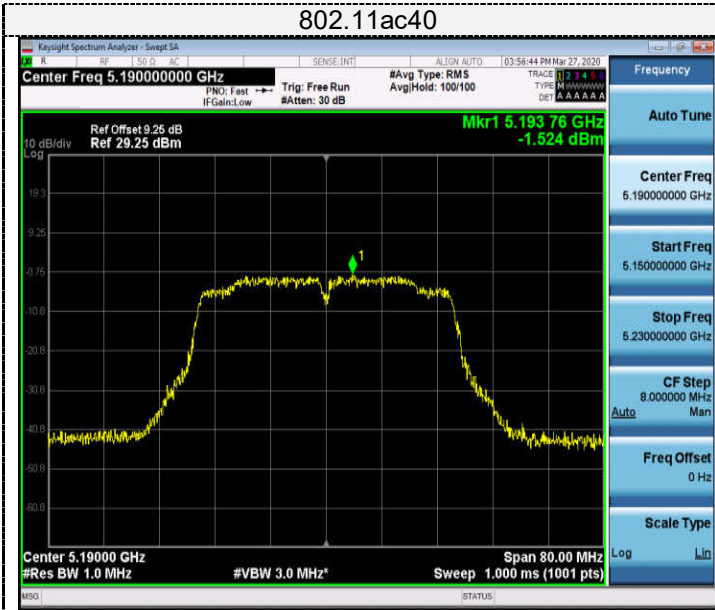
CH 40



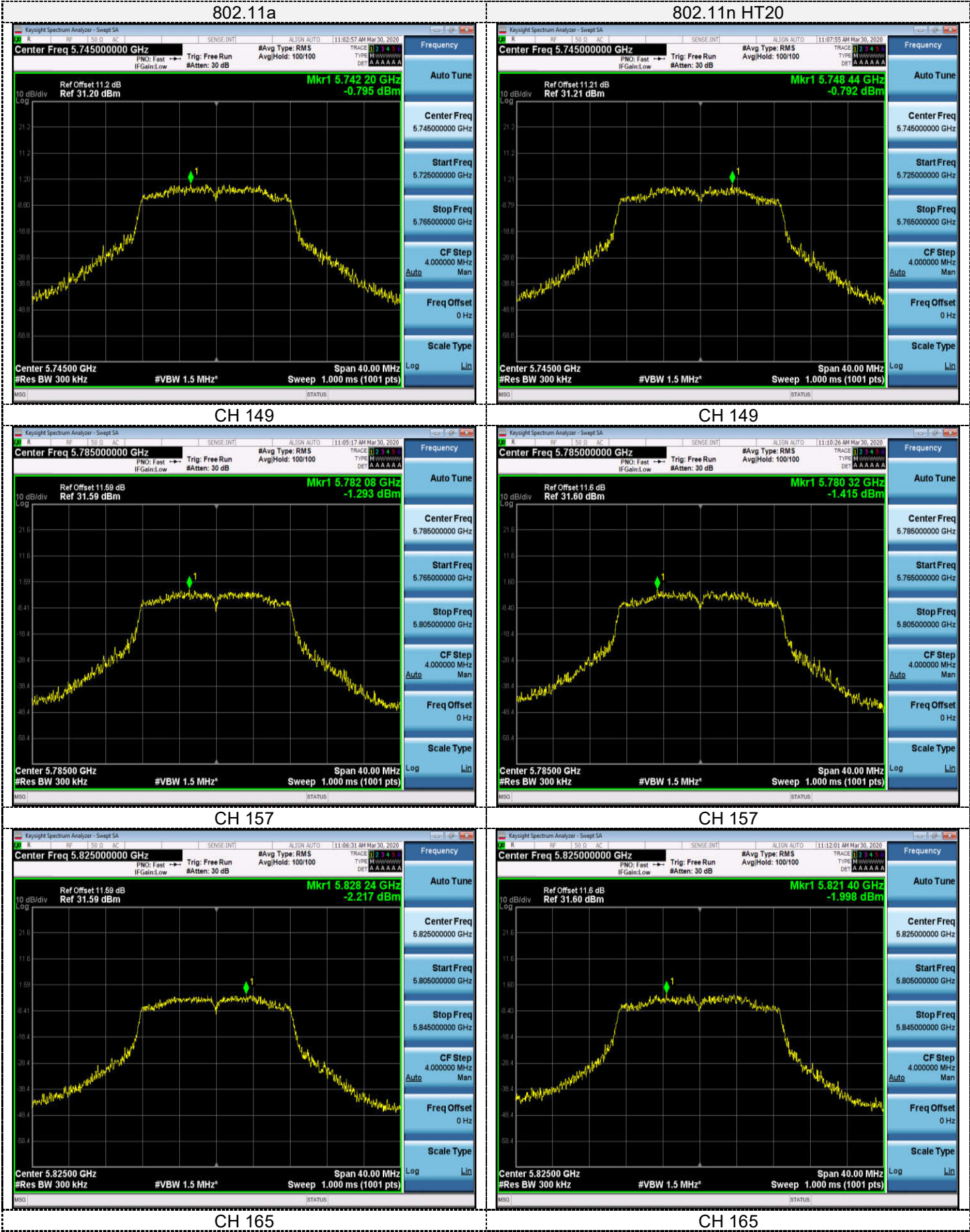
CH 46



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5725-5850MHz:



802.11ac20



802.11n HT40



CH 149



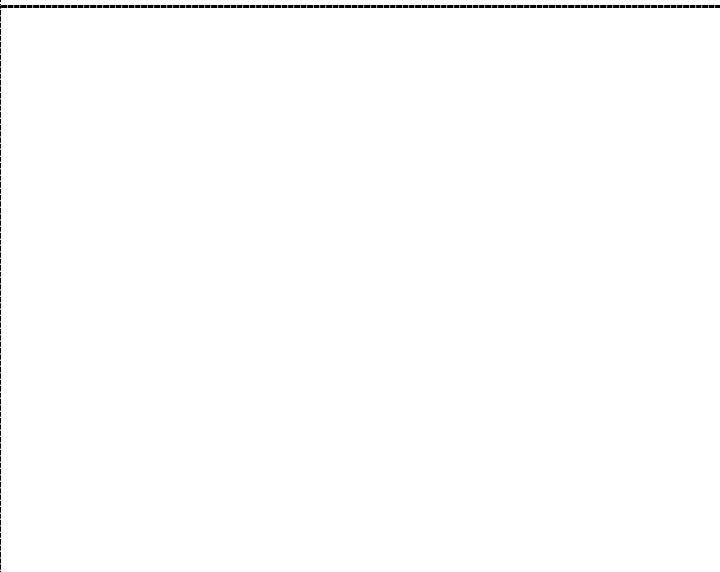
CH 151



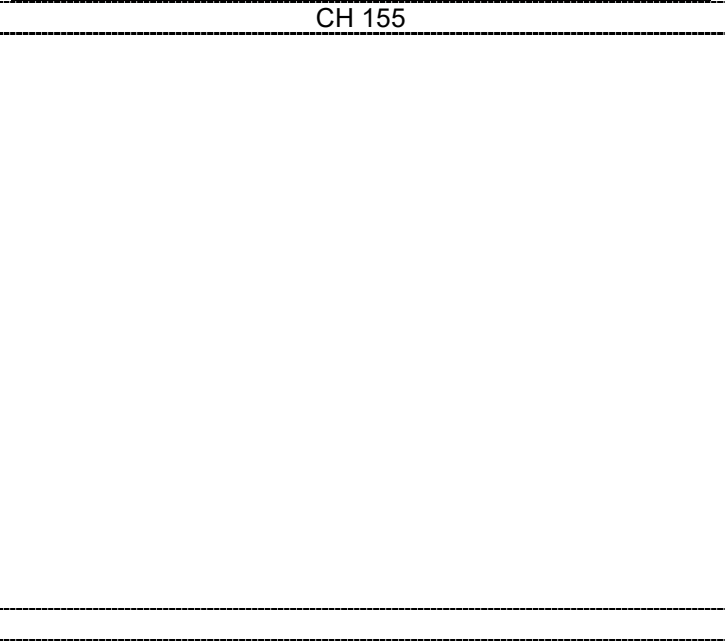
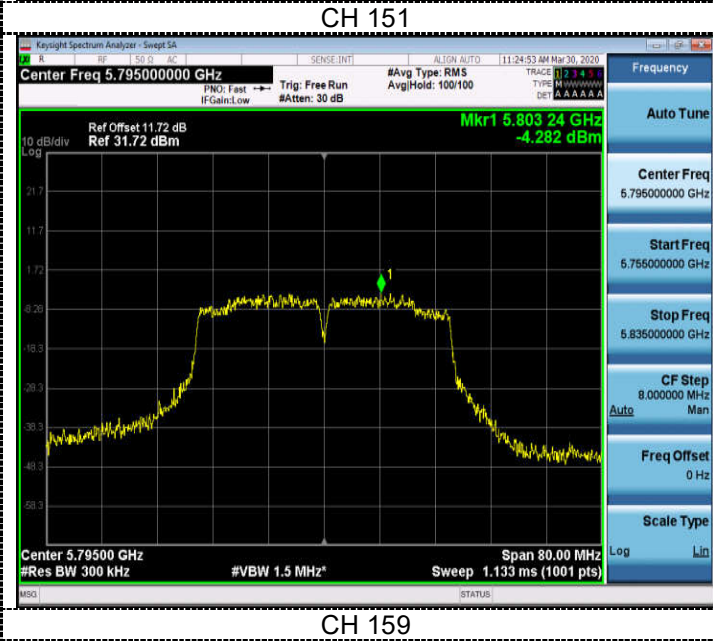
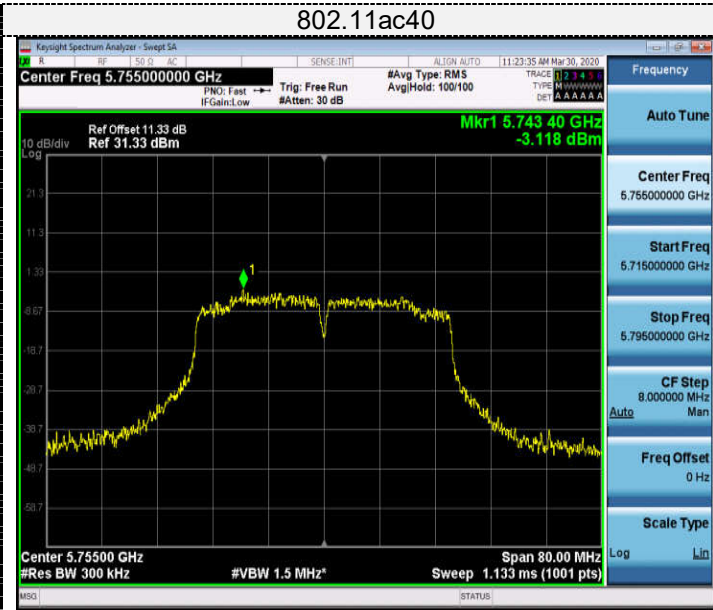
CH 157



CH 159

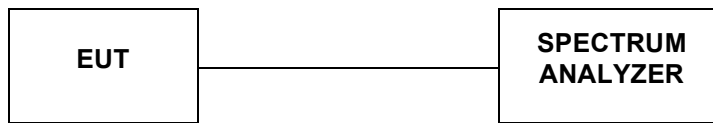


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4.6. 6dB Bandwidth

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

Antenna 0:

Type	Channel	99%Bandwidth (MHz)	6dB Bandwidth (MHz)	Limit (KHz)	Result
802.11a	149	16.945	15.36	≥500	Pass
	157	16.936	15.20		
	165	16.881	15.12		
802.11nHT20	149	18.143	15.04	≥500	Pass
	157	18.018	15.20		
	165	17.974	15.12		
802.11nHT40	151	36.340	35.28	≥500	Pass
	159	36.332	35.28	≥500	Pass
802.11ac20	149	18.111	15.12	≥500	Pass
	157	18.044	15.20		
	165	18.048	15.12		
802.11ac40	151	36.289	35.28	≥500	Pass
	159	36.382	35.28		
802.11ac80	155	75.673	75.36	≥500	Pass

Antenna 1:

Type	Channel	99%Bandwidth (MHz)	6dB Bandwidth (MHz)	Limit (KHz)	Result
802.11a	149	17.028	15.40	≥500	Pass
	157	16.989	15.16		
	165	16.927	15.40		
802.11nHT20	149	18.099	15.20	≥500	Pass
	157	18.064	15.16		
	165	18.048	15.16		
802.11nHT40	151	36.319	35.28	≥500	Pass
	159	36.391	35.28	≥500	Pass
802.11ac20	149	18.094	13.96	≥500	Pass
	157	18.069	15.20		
	165	18.024	15.96		
802.11ac40	151	36.144	35.28	≥500	Pass
	159	36.325	35.20		
802.11ac80	155	75.656	75.36	≥500	Pass

99%Bandwidth:
Antenna 0:

802.11a

802.11n HT20



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802.11ac20



802.11n HT40



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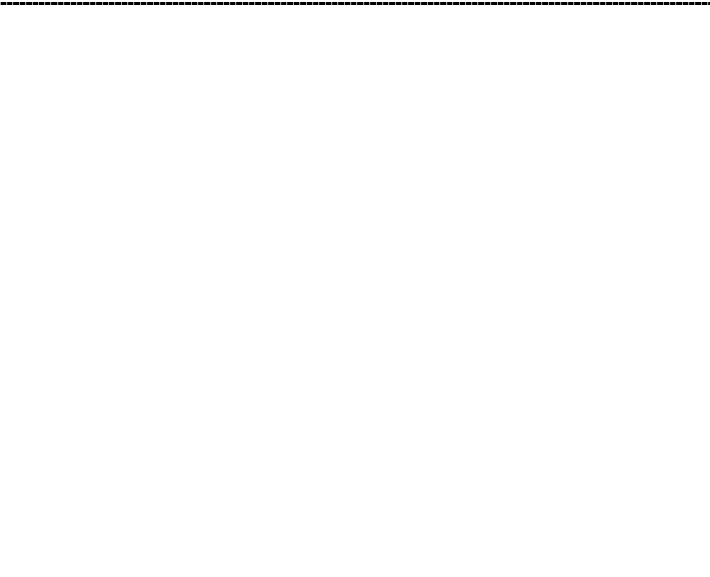
CH151



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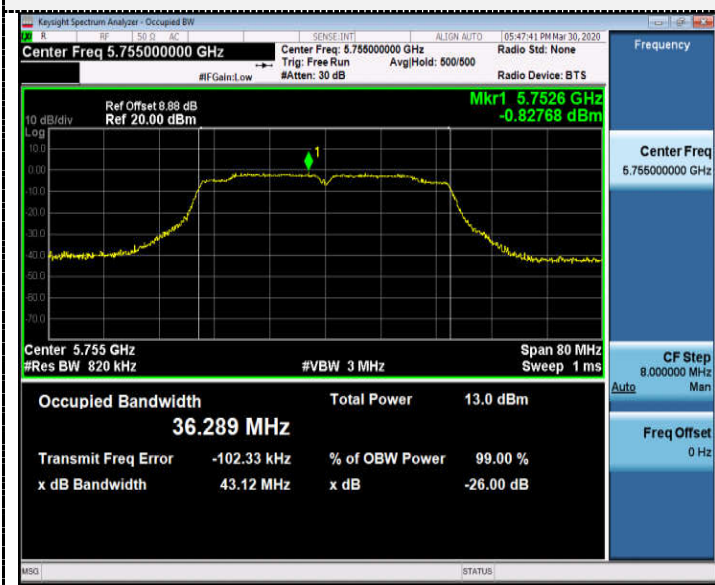


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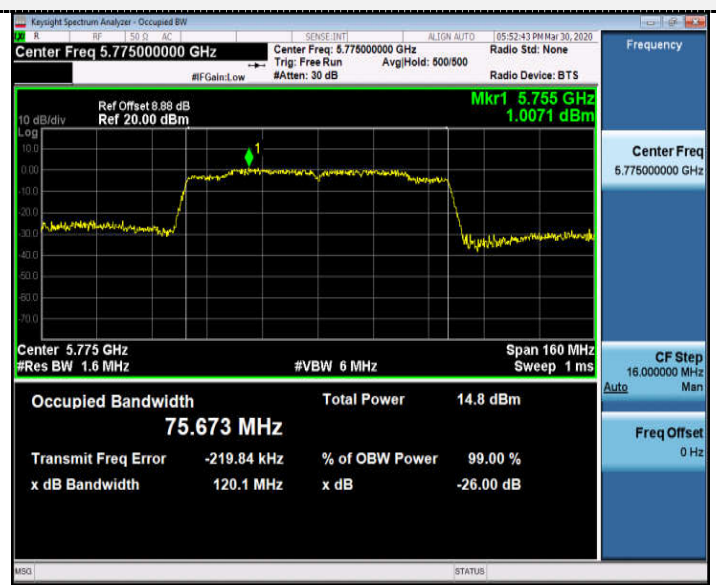


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802.11ac40



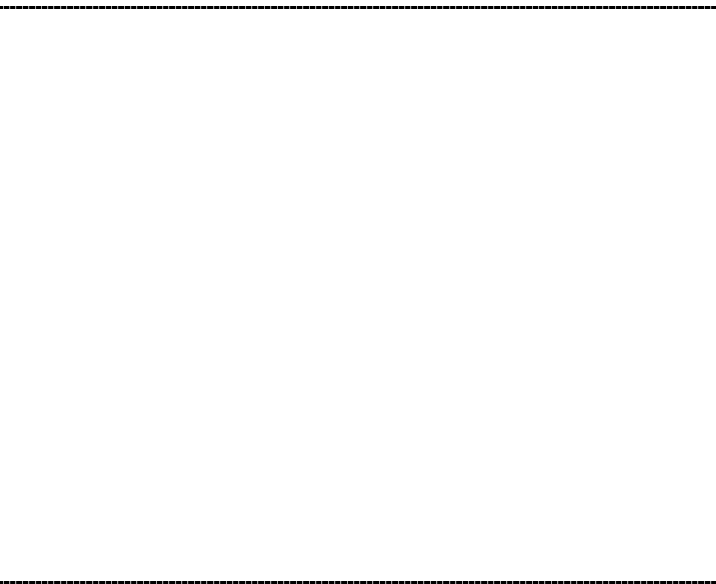
802.11ac80



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Antenna 1:

802.11a

802.11n HT20



CH149

CH149



CH157

CH157



CH165

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802.11ac20



802.11n HT40



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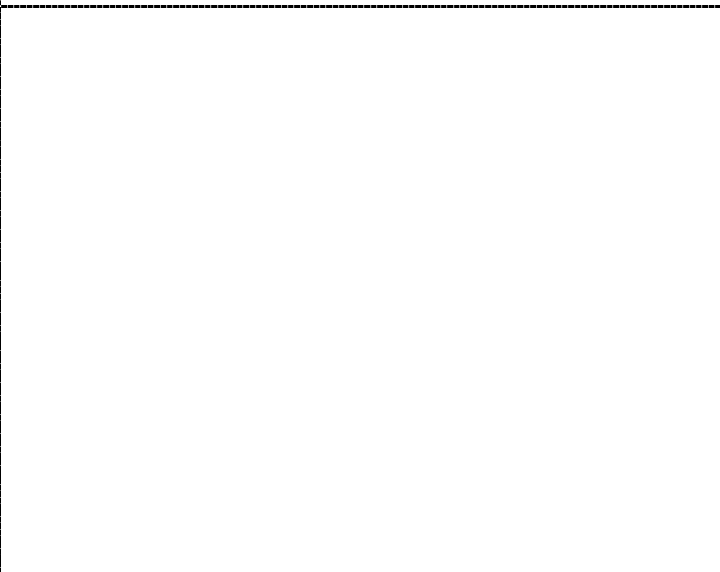
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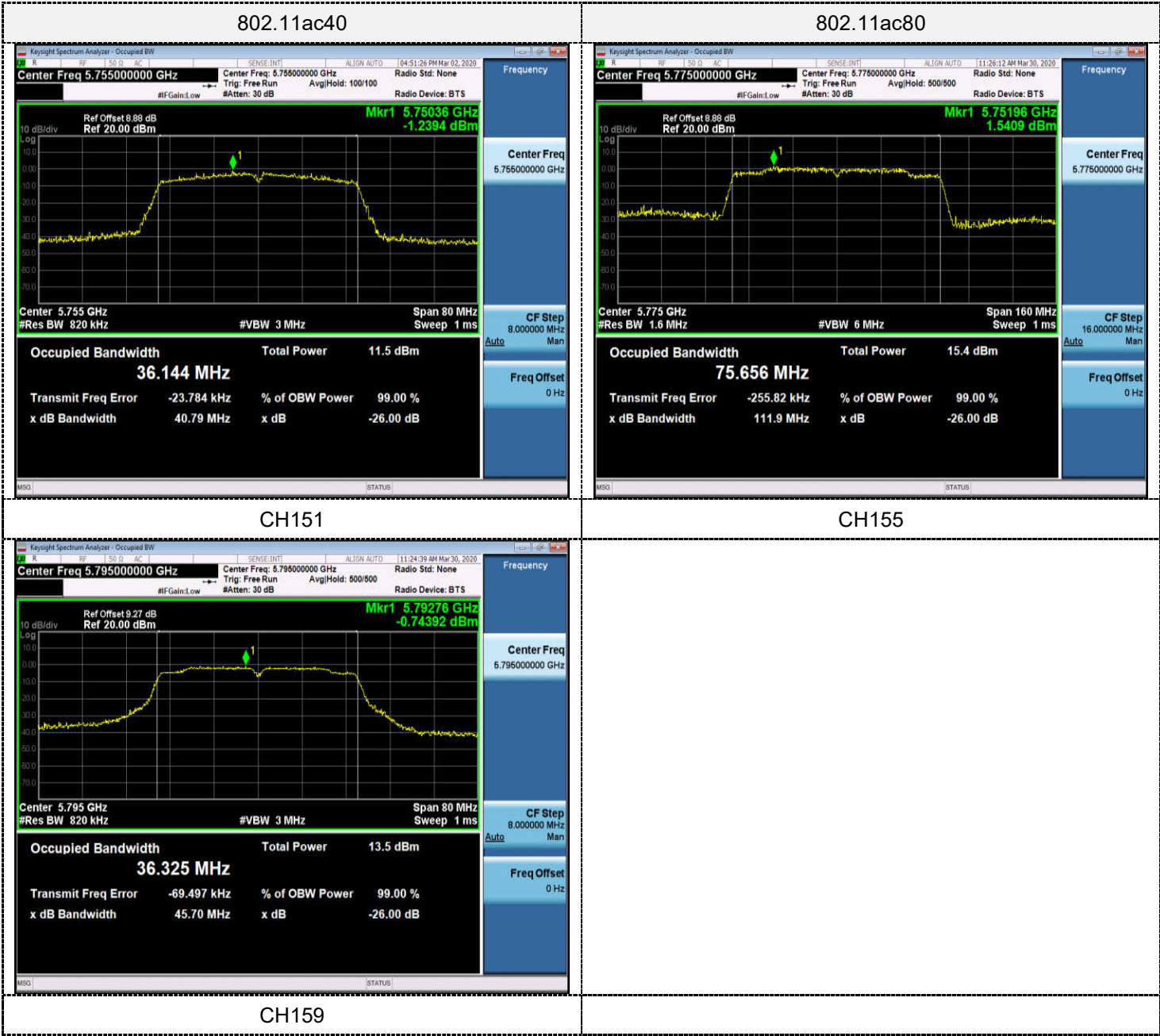
CH157



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6dB Bandwidth:
Antenna 0:

802.11a

802.11n HT20



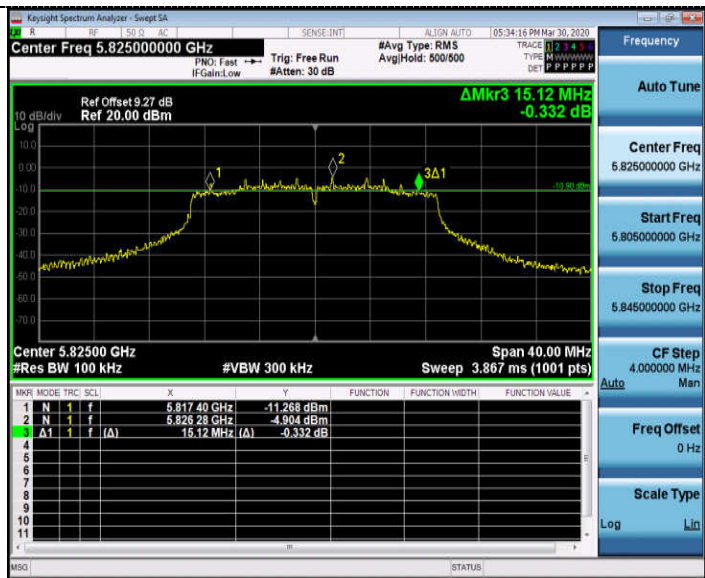
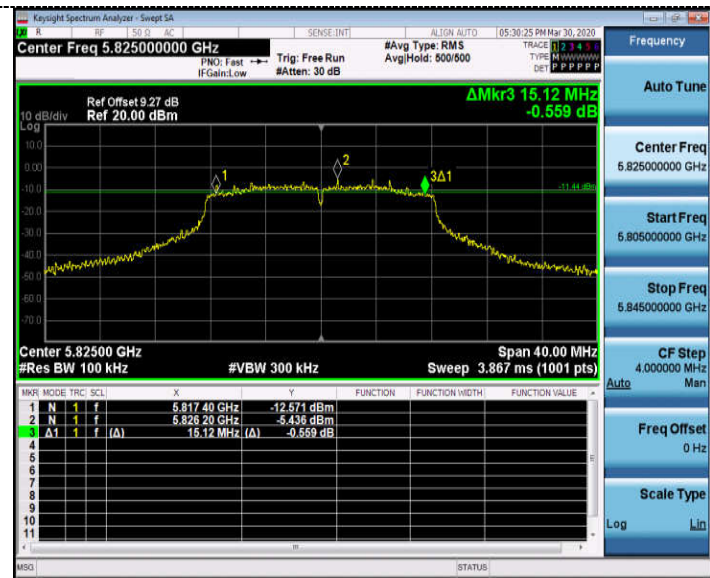
CH149

CH149



CH157

CH157



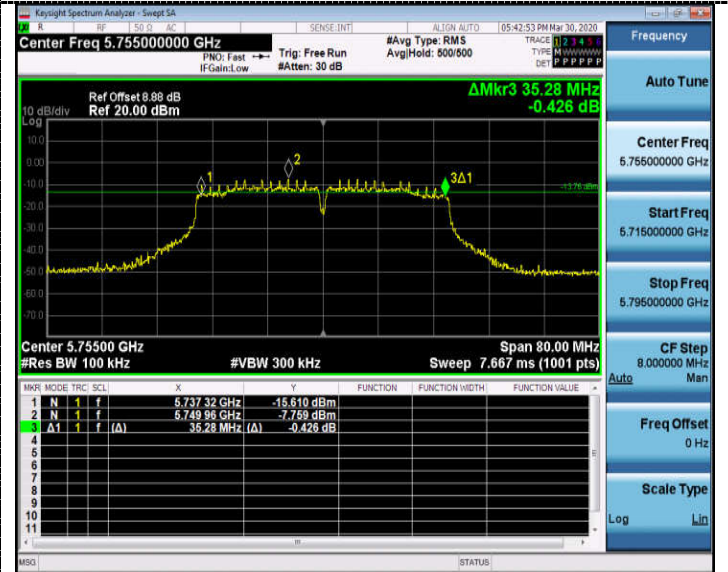
CH165

CH165

802.11ac20



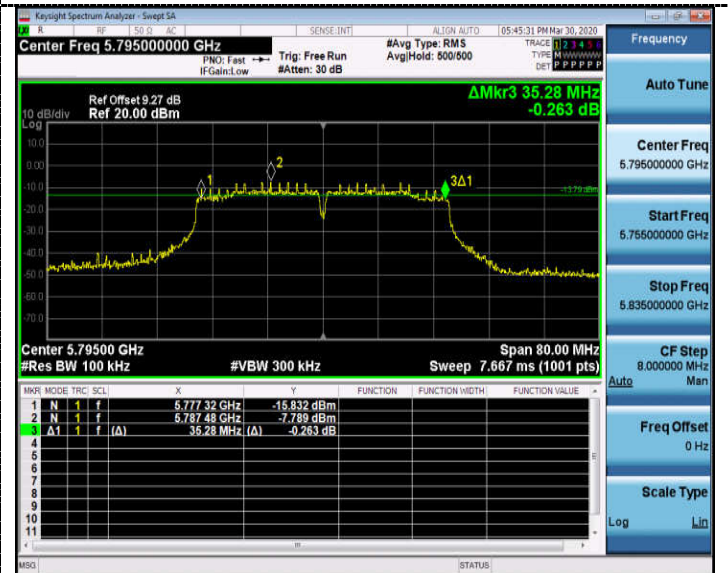
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CH149



CH151



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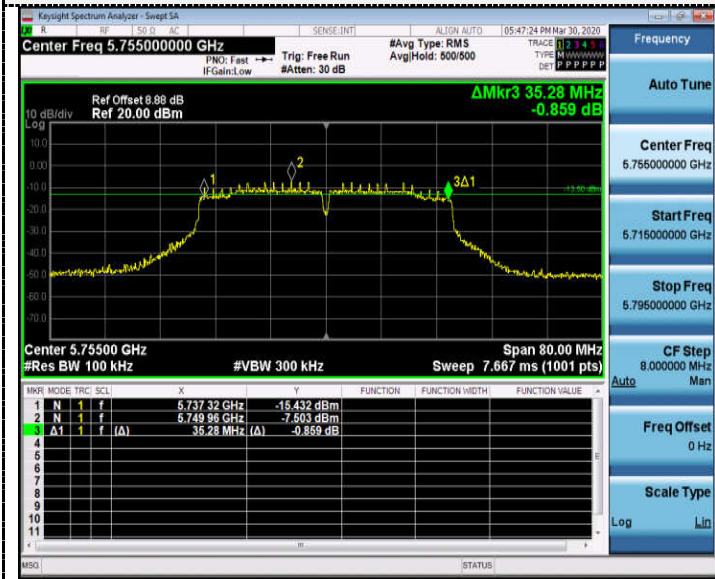


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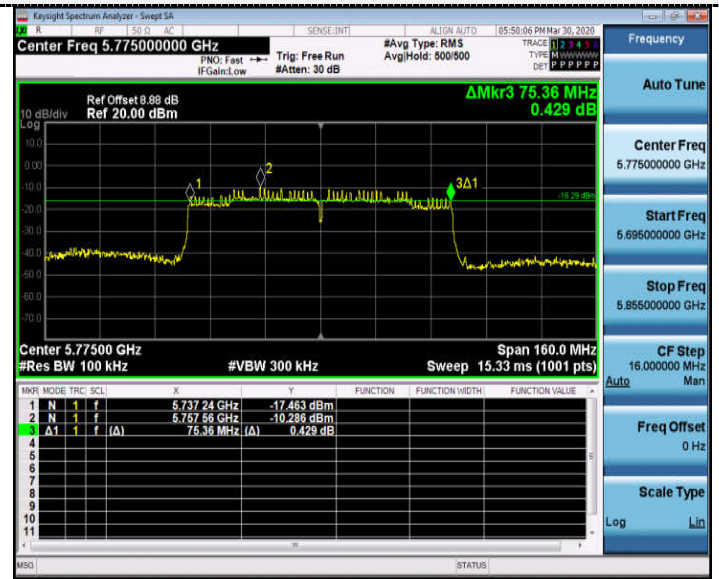


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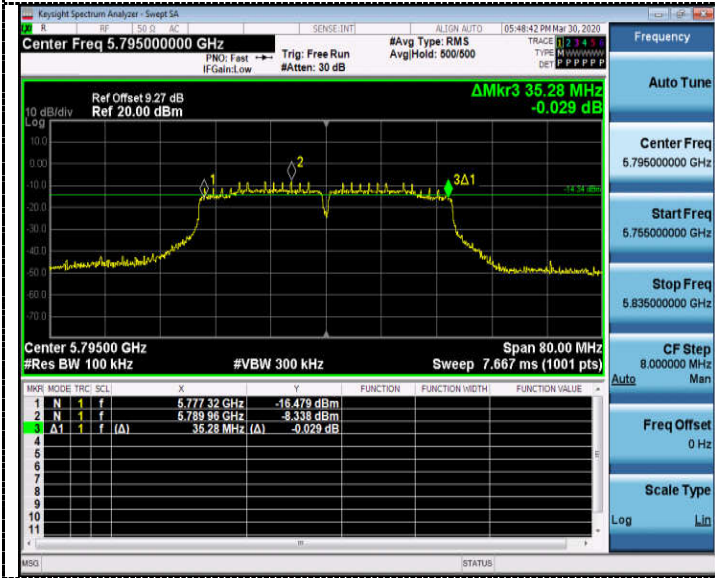
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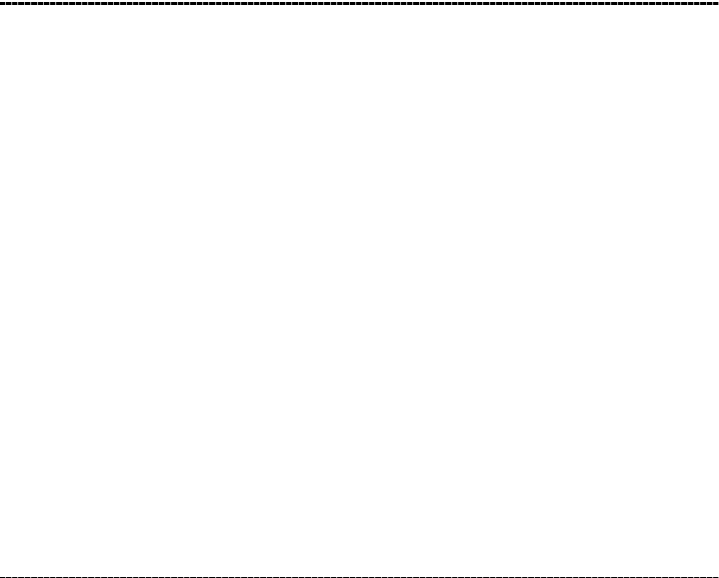
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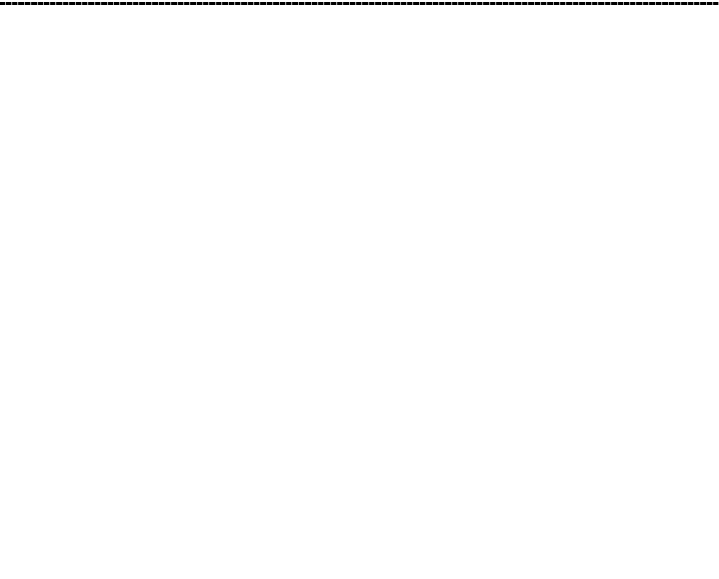
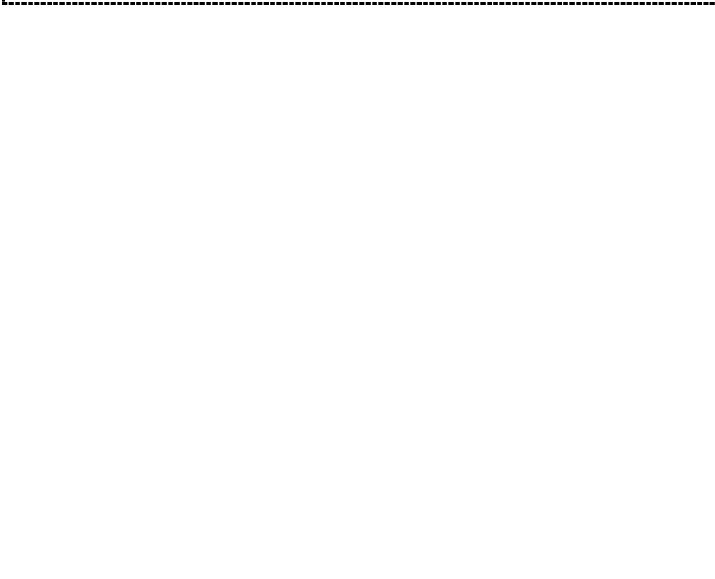
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CH155

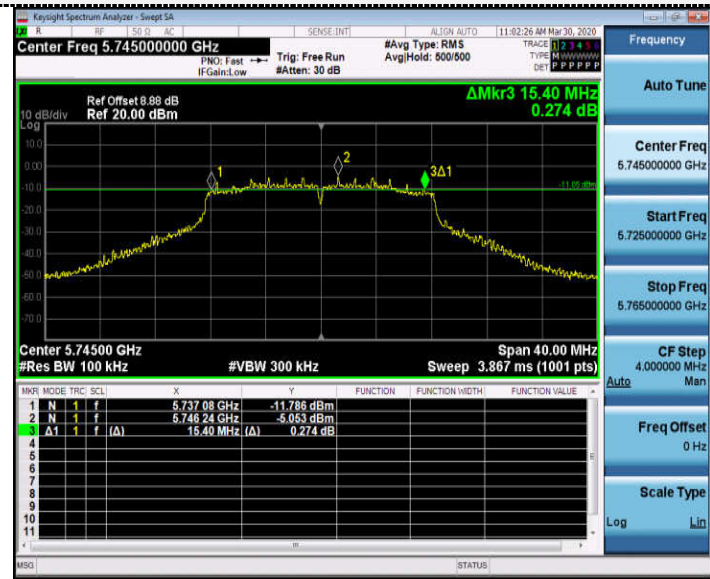


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Antenna 1:

802.11a



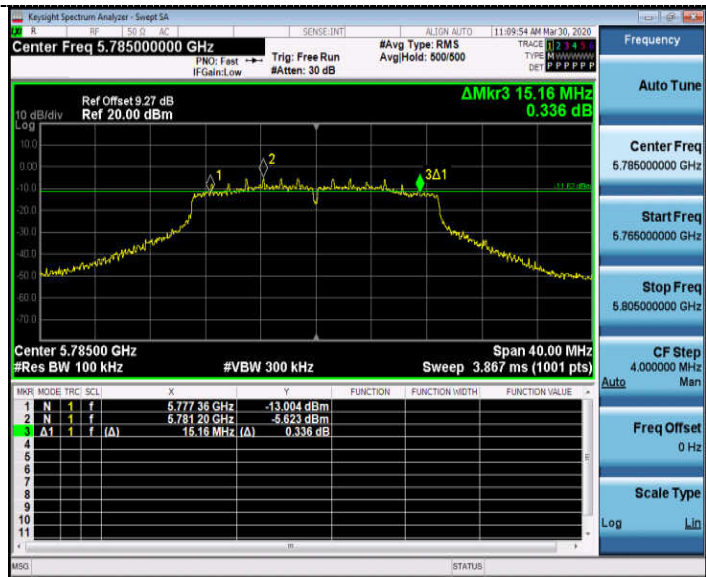
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CH149



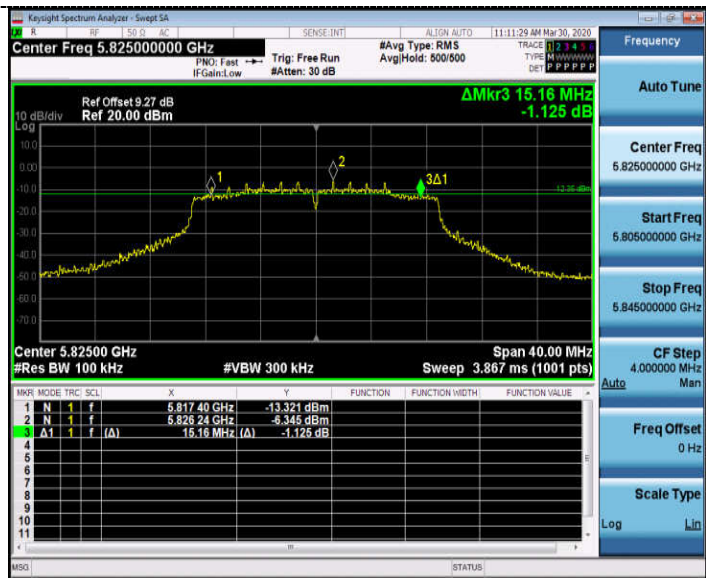
CH149



CH157



CH157



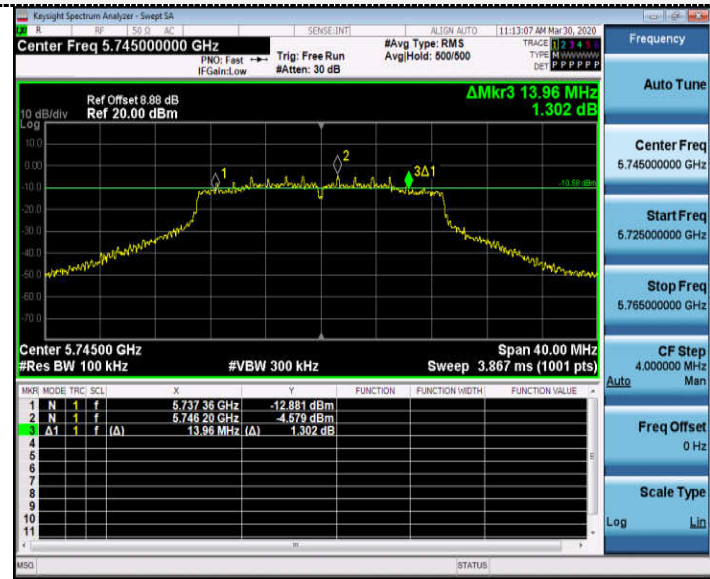
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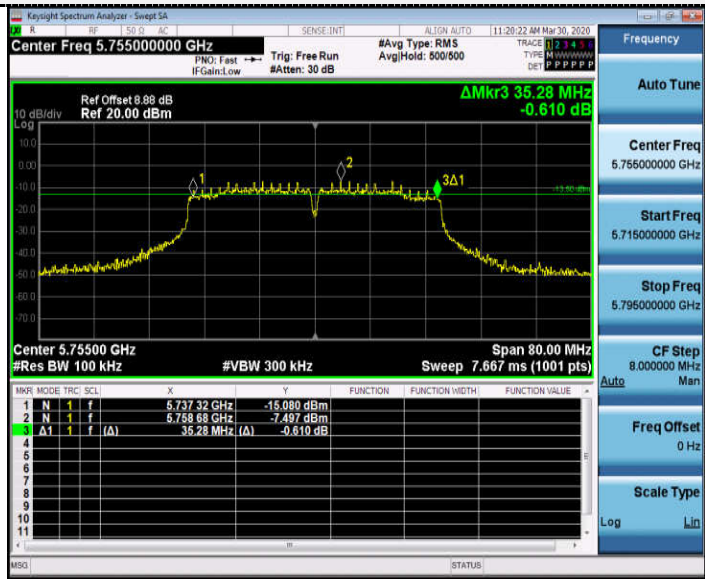
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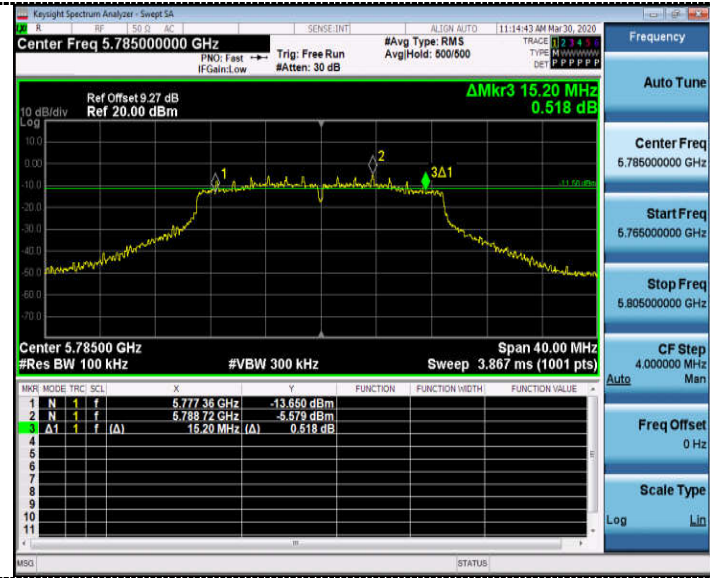
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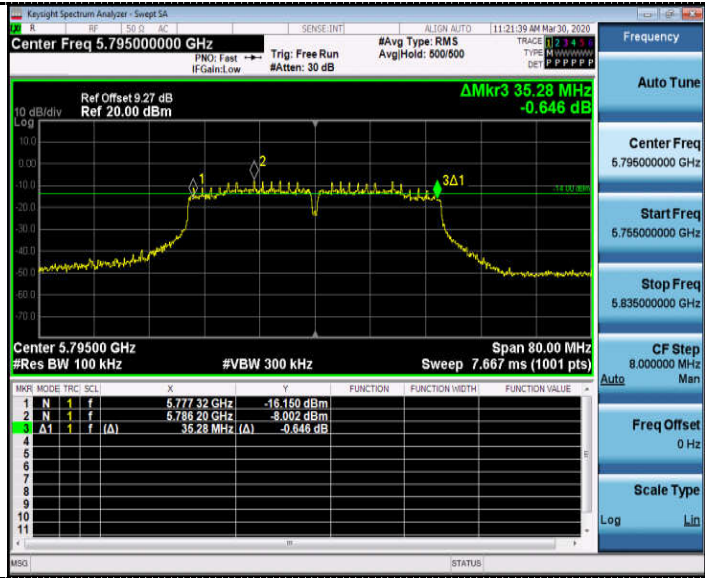
802.11n HT40



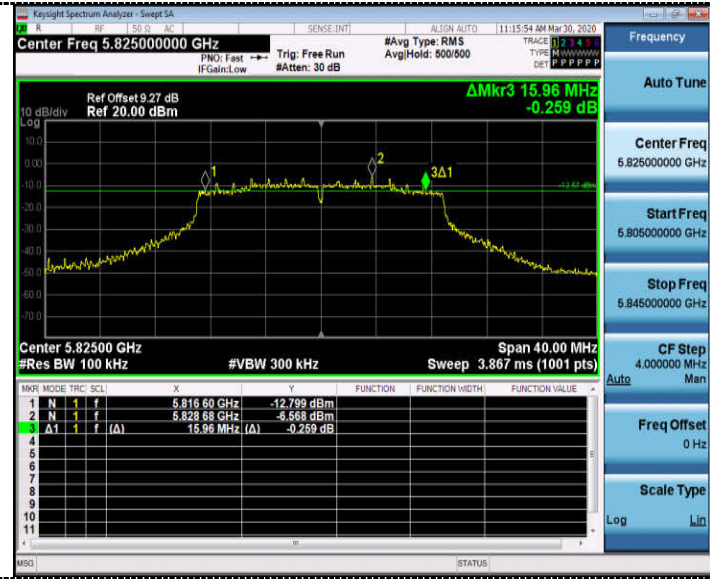
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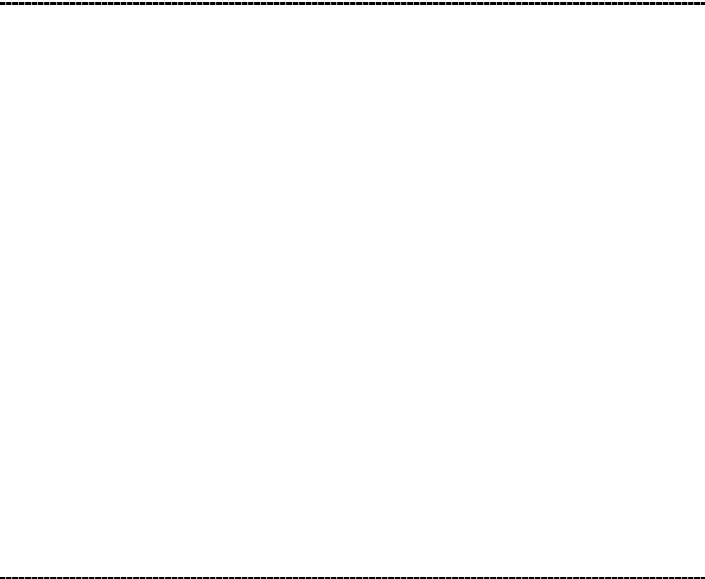
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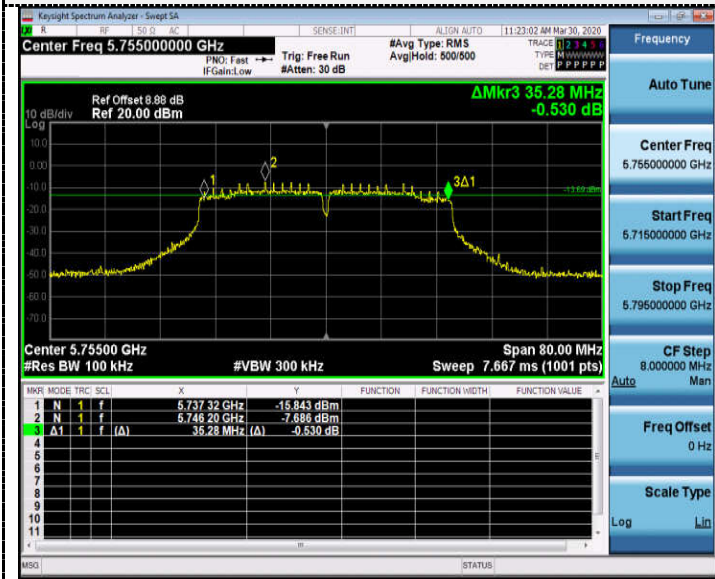


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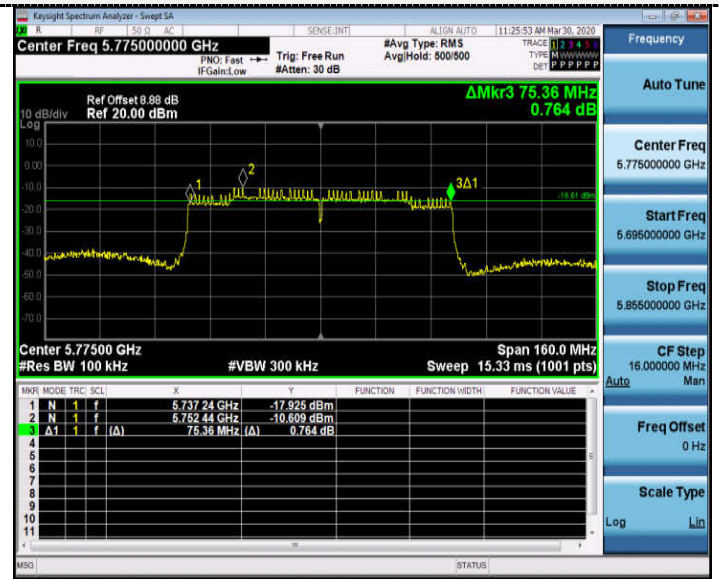


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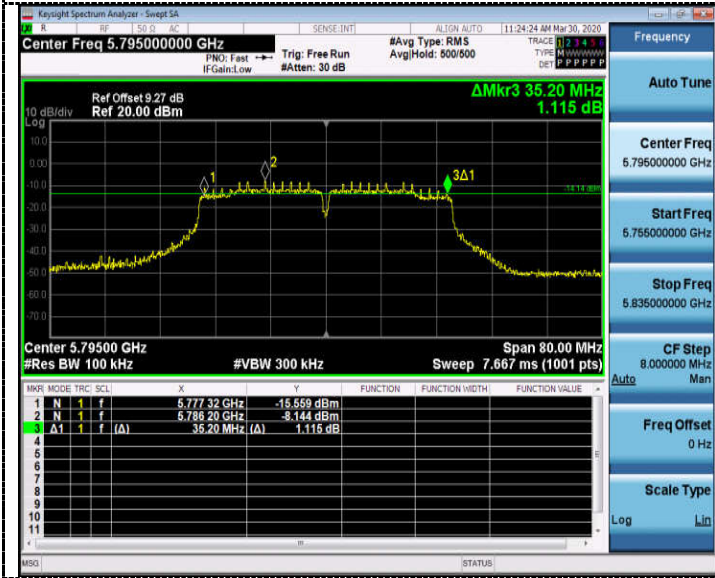
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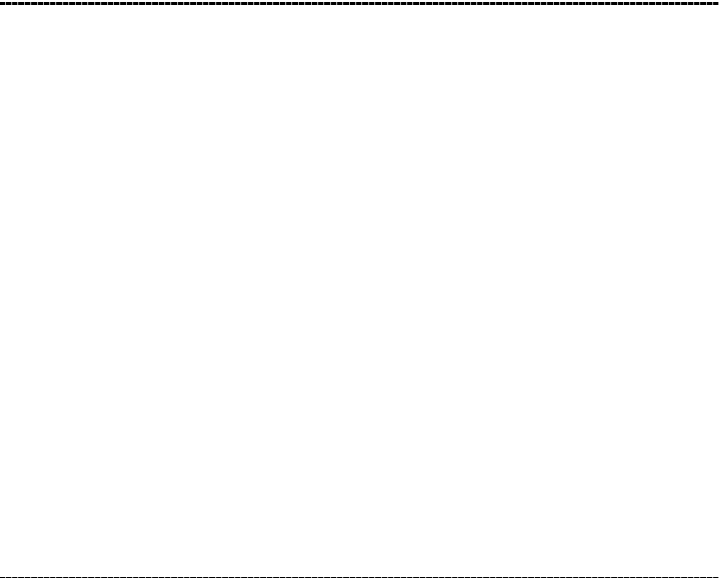
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CH151



CH155



CH159