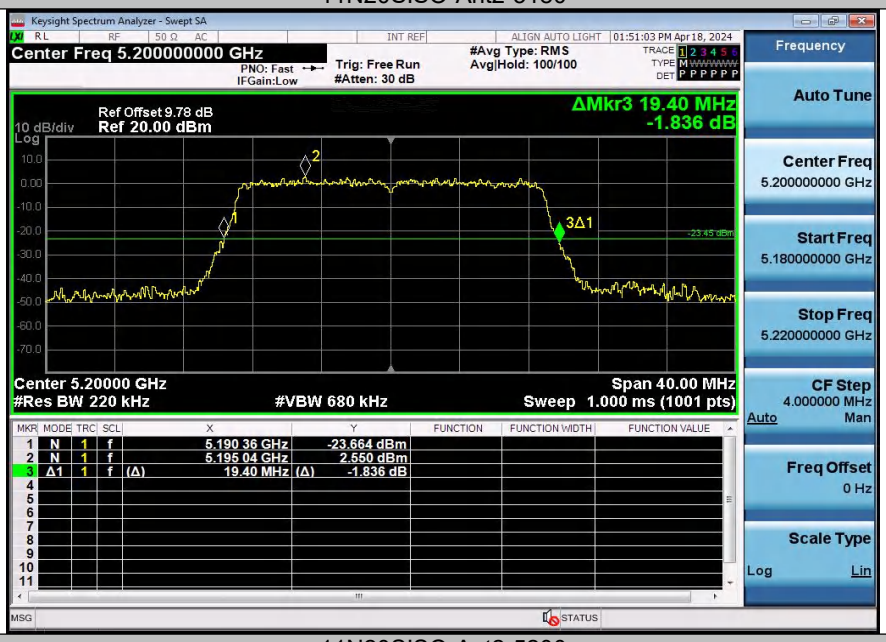
11A-Ant2-5240

11N20SISO-Ant2-5180



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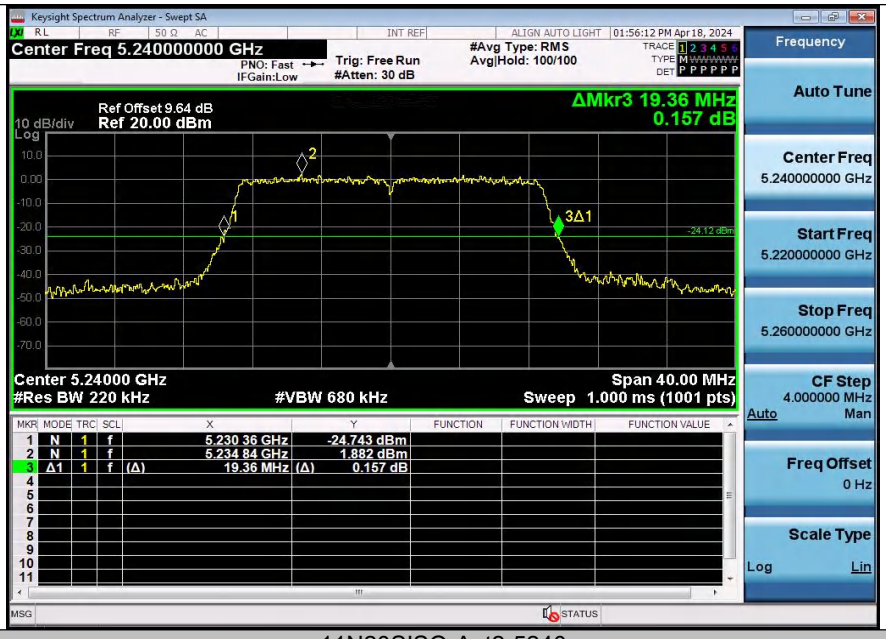

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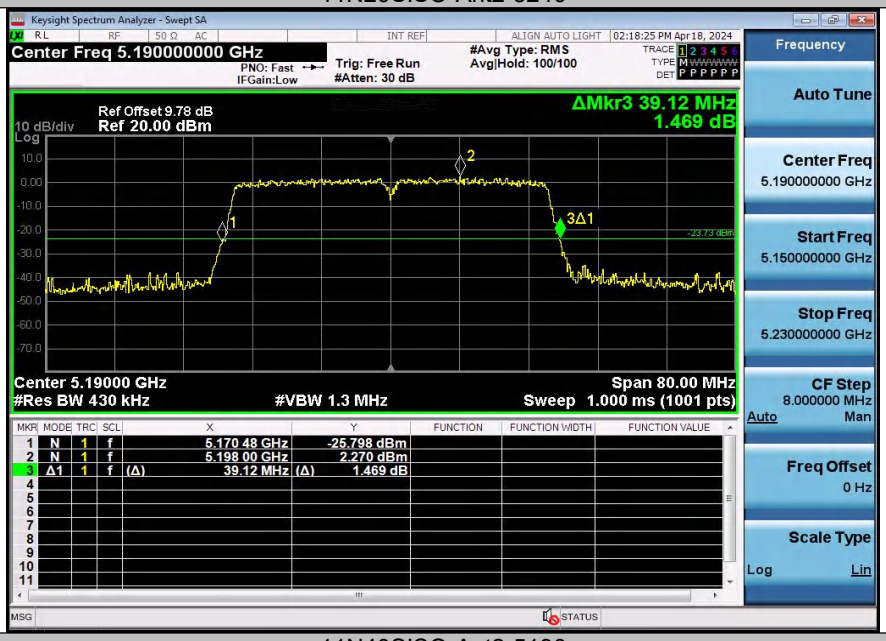

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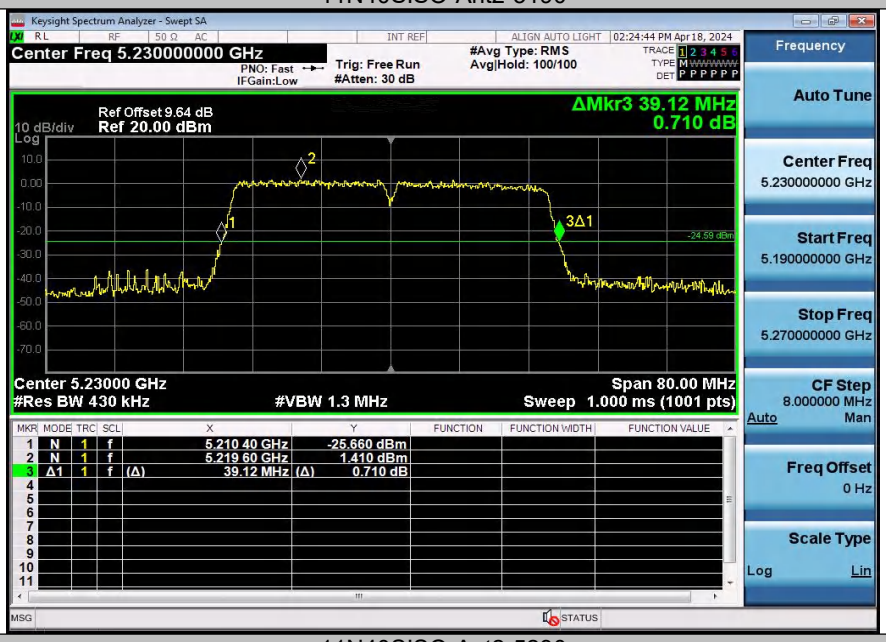

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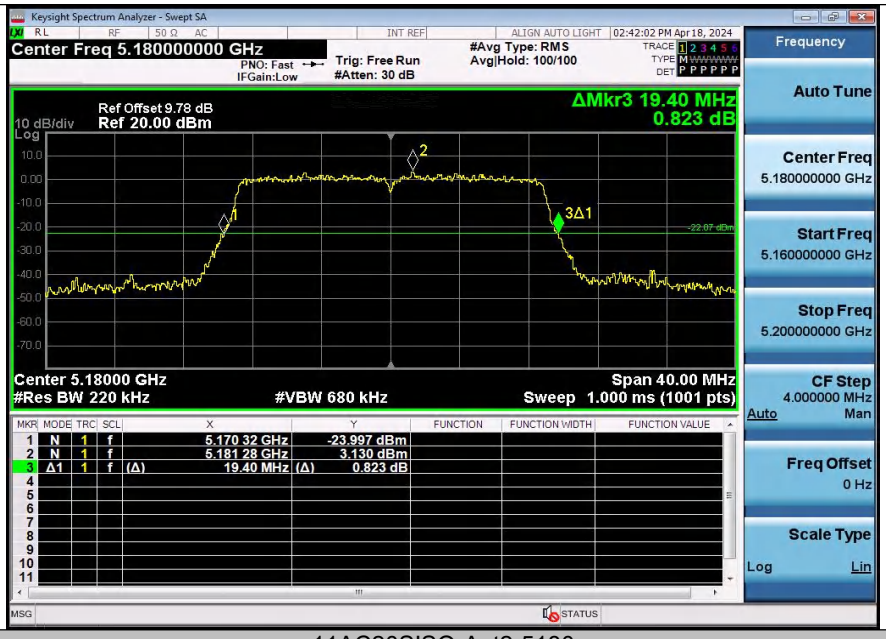
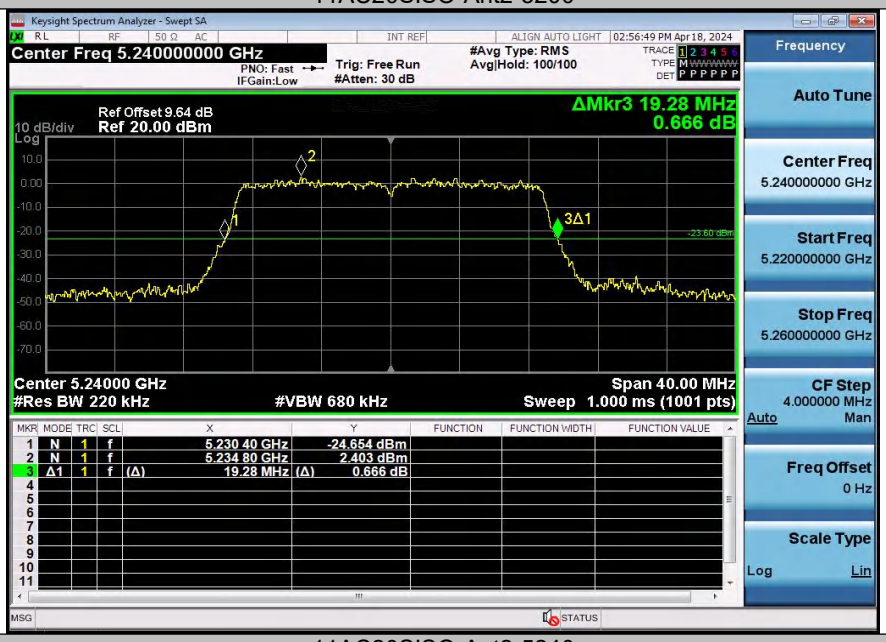


11AC20SISO-Ant2-5180

11AC20SISO-Ant2-5200



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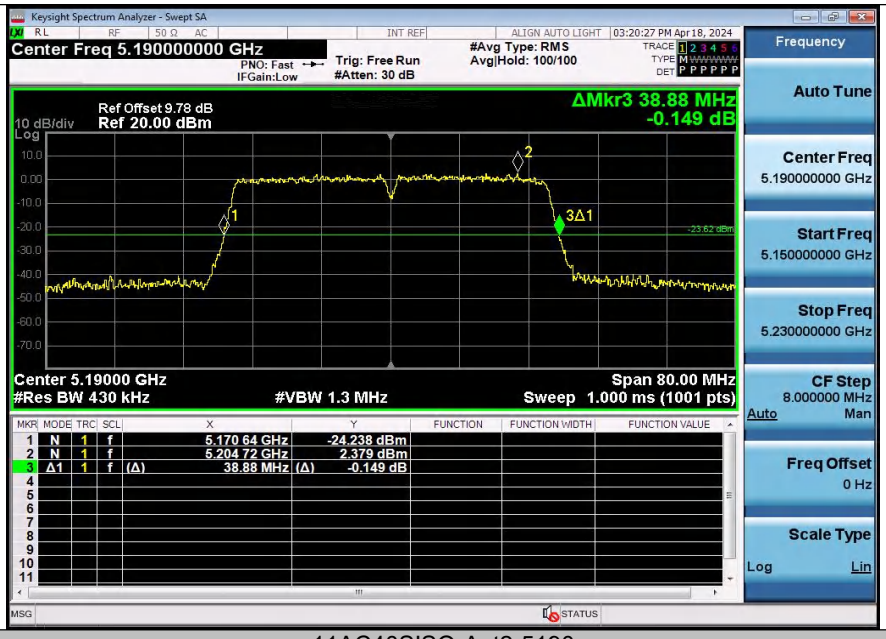

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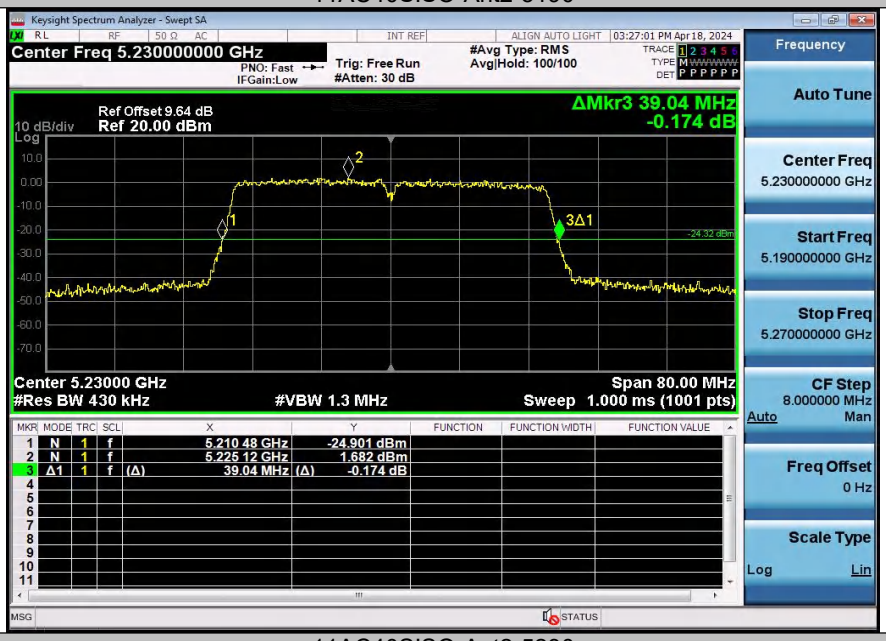

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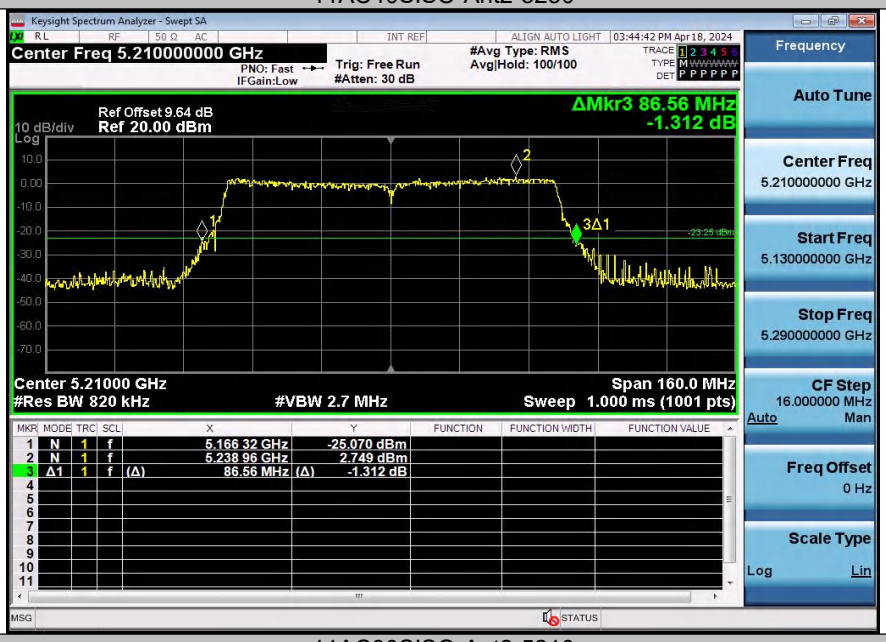

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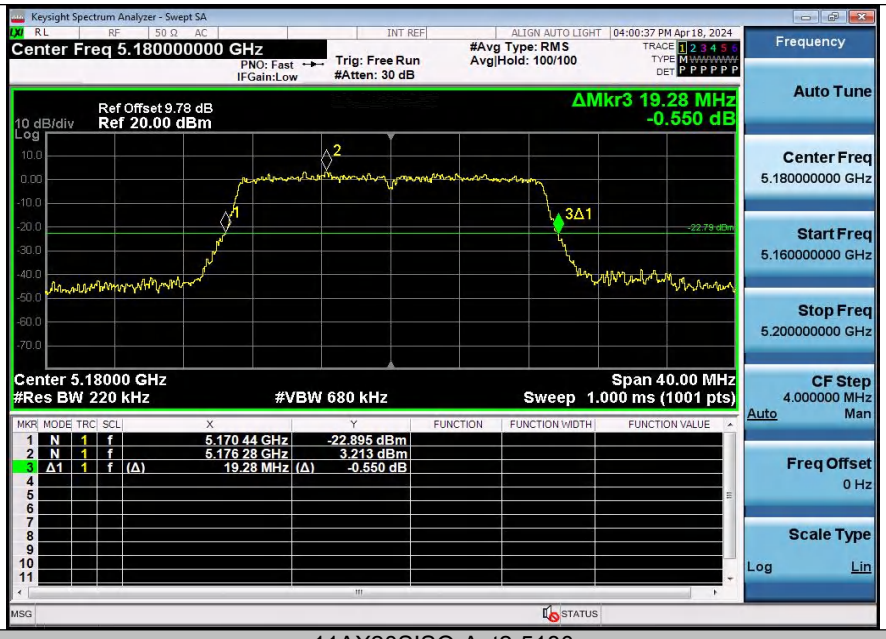

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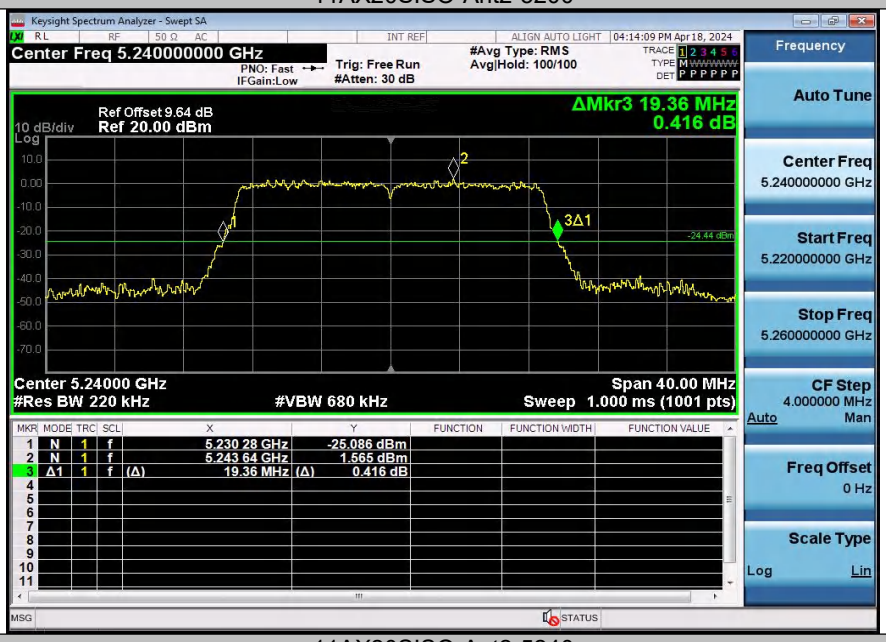

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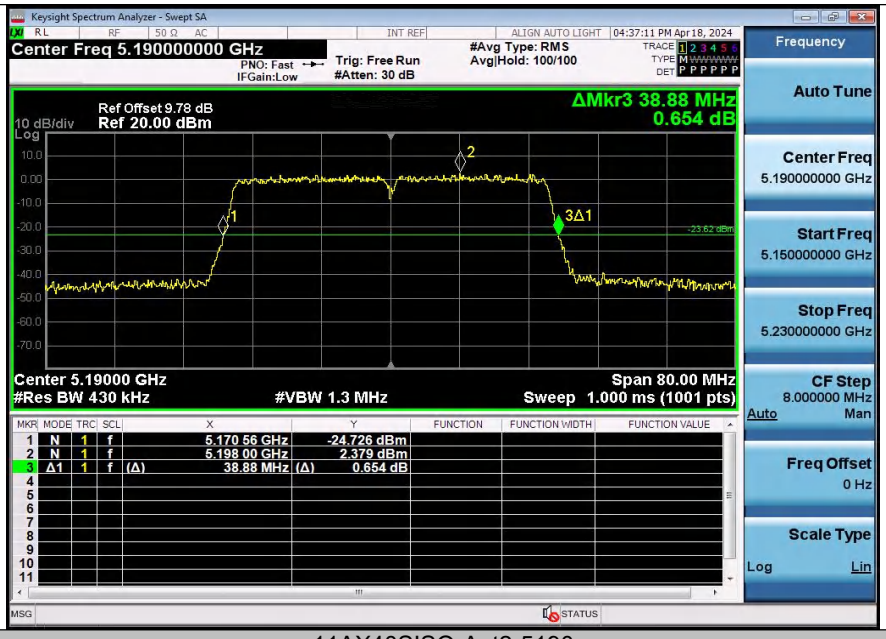

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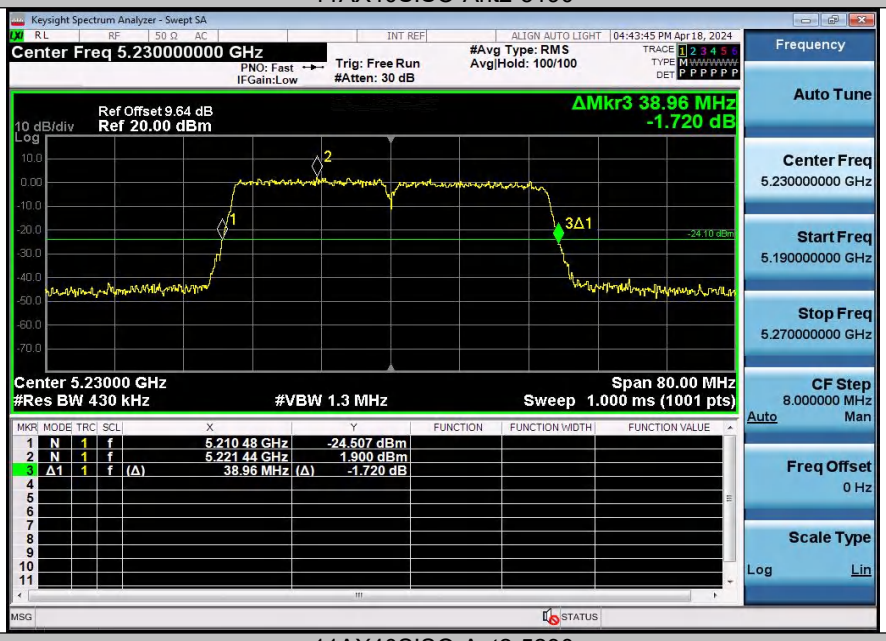

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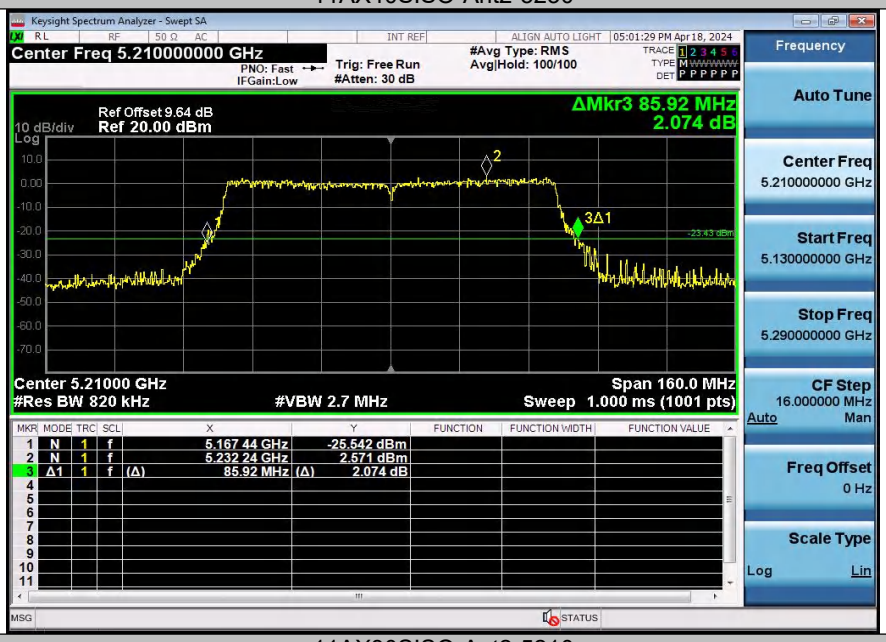


11AX80SISO-Ant2-5210

4.6 Minimum Emission Bandwidth (6dB Bandwidth)

Limit

Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

Test Procedure

1. Set resolution bandwidth (RBW) = 100 kHz
2. Set the video bandwidth 3 x RBW.
3. Detector = Peak.
4. Trace mode = Max hold.
5. 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.

Test Configuration

Test Results

Ant 1

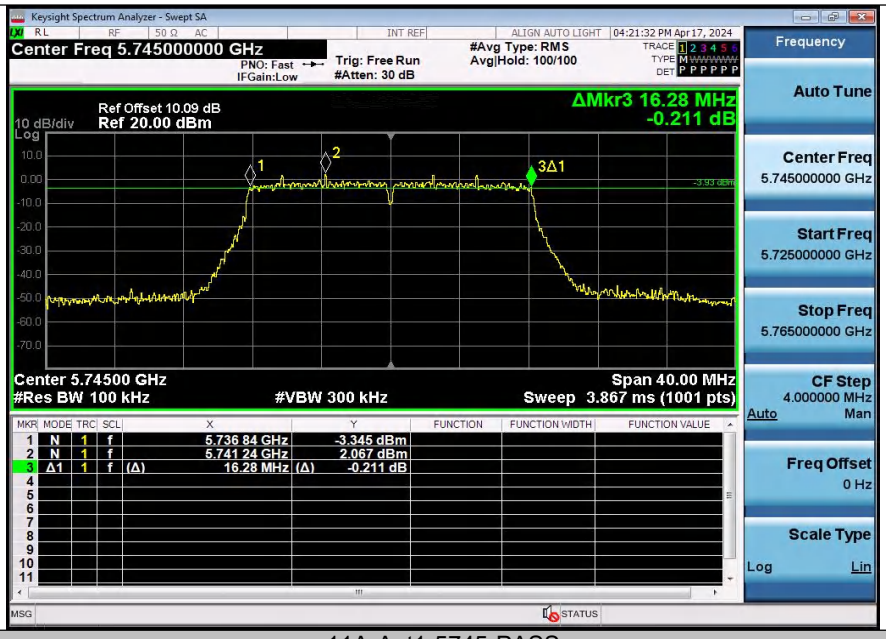
Type	Bands	Channel	6dB Bandwidth (MHz)	Limit (KHz)	Result
802.11a	U-NII 3	149	16.280	≥500KHz	Pass
		157	16.280		
		165	16.280		
802.11n(HT20)	U-NII 3	149	17.520		
		157	16.840		
		165	16.840		
802.11n(HT40)	U-NII 3	151	35.520		
		159	35.600		
802.11ac(VHT20)	U-NII 3	149	17.160		
		157	16.920		
		165	17.560		
802.11ac(VHT40)	U-NII 3	151	35.440		
		159	35.840		
802.11ac(VHT80)	U-NII 3	155	75.840		
802.11ac(VHT20)	U-NII 3	149	16.400		
		157	17.520		
		165	17.560		
802.11ac(VHT40)	U-NII 3	151	35.440		
		159	35.600		
802.11ac(VHT80)	U-NII 3	155	75.680		

Ant 2

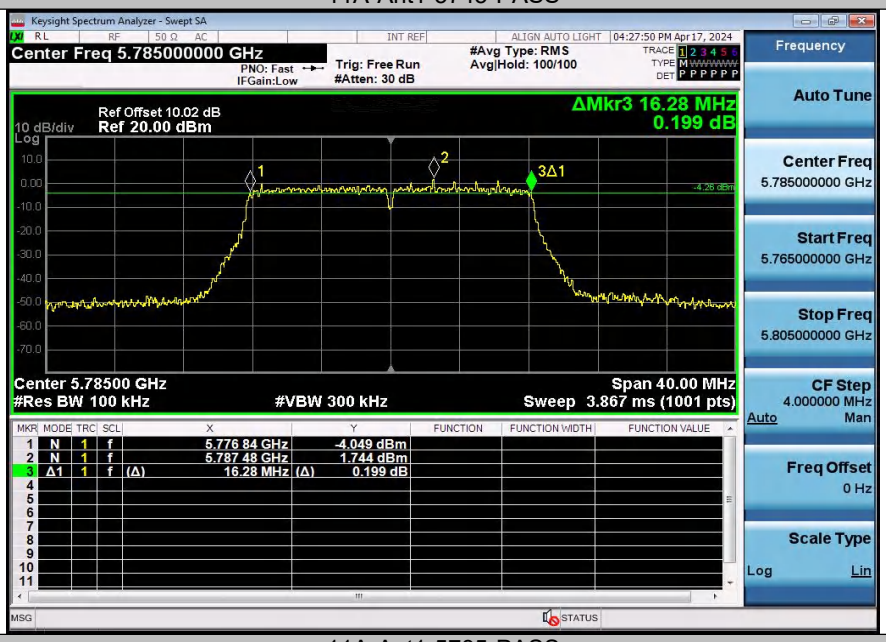
Type	Bands	Channel	6dB Bandwidth (MHz)	Limit (KHz)	Result
802.11a	U-NII 3	149	16.360	≥500KHz	Pass
		157	16.280		
		165	16.320		
802.11n(HT20)	U-NII 3	149	17.320		
		157	17.560		
		165	17.280		
802.11n(HT40)	U-NII 3	151	35.440		
		159	36.080		
802.11ac(VHT20)	U-NII 3	149	17.280		
		157	16.920		
		165	17.280		
802.11ac(VHT40)	U-NII 3	151	35.440		
		159	36.080		
802.11ac(VHT80)	U-NII 3	155	75.360		
802.11ac(VHT20)	U-NII 3	149	16.920		
		157	17.280		
		165	16.520		
802.11ac(VHT40)	U-NII 3	151	35.520		
		159	36.080		
802.11ac(VHT80)	U-NII 3	155	75.680		

Test plot as follows:

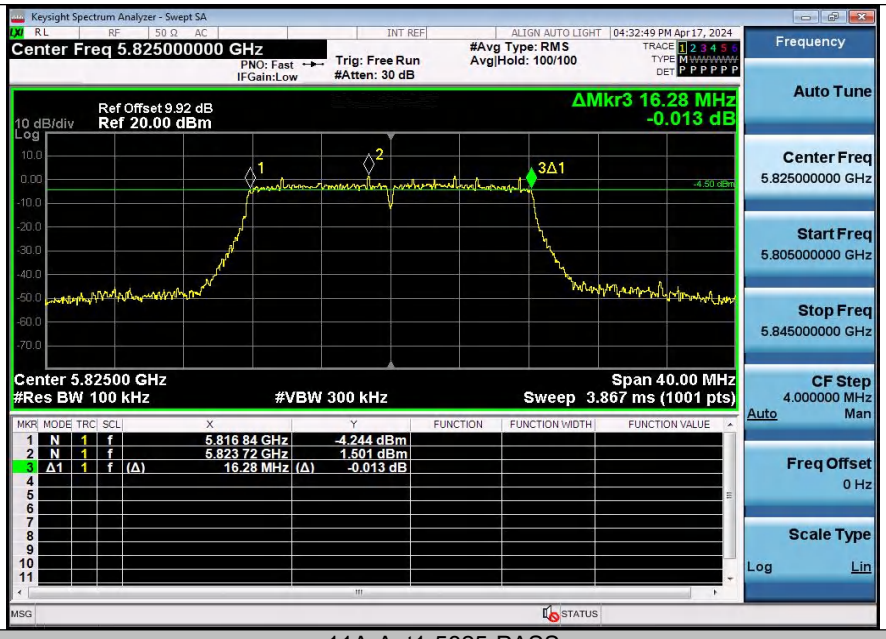
Ant 1



11A-Ant1-5745-PASS



11A-Ant1-5785-PASS



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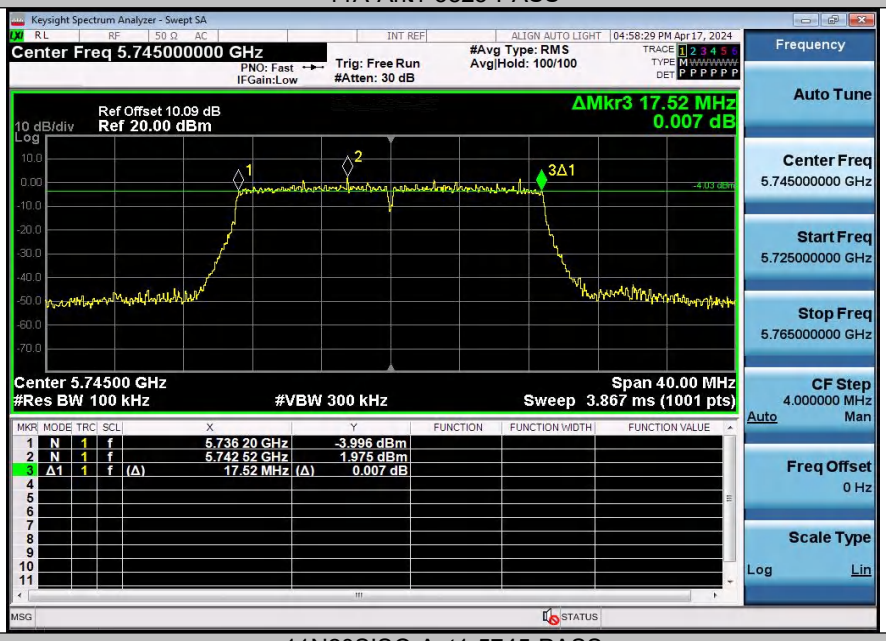

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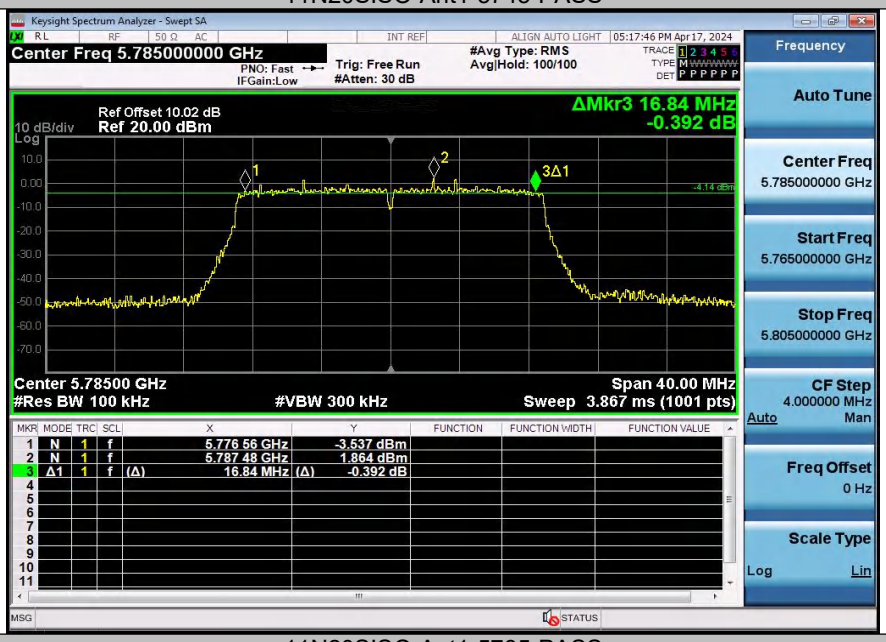

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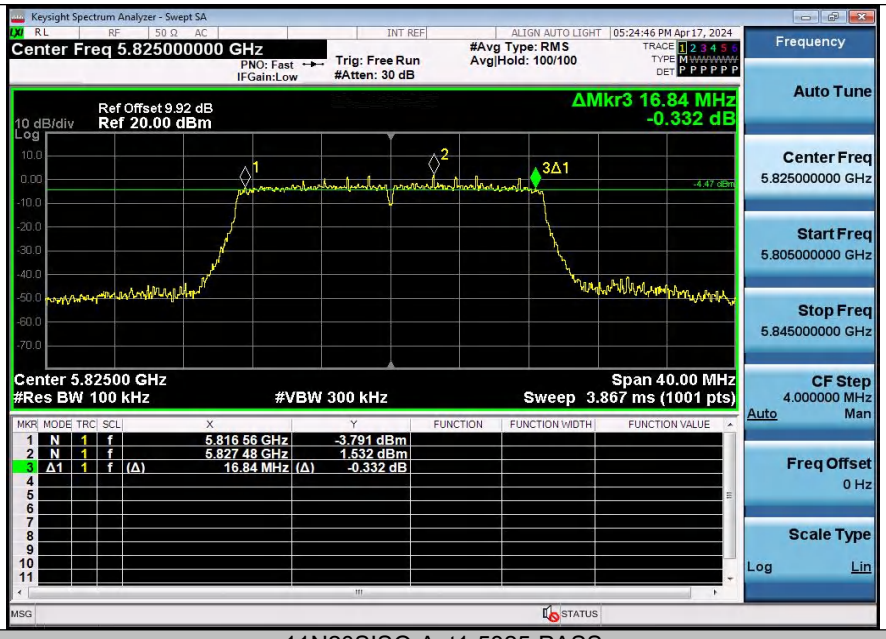

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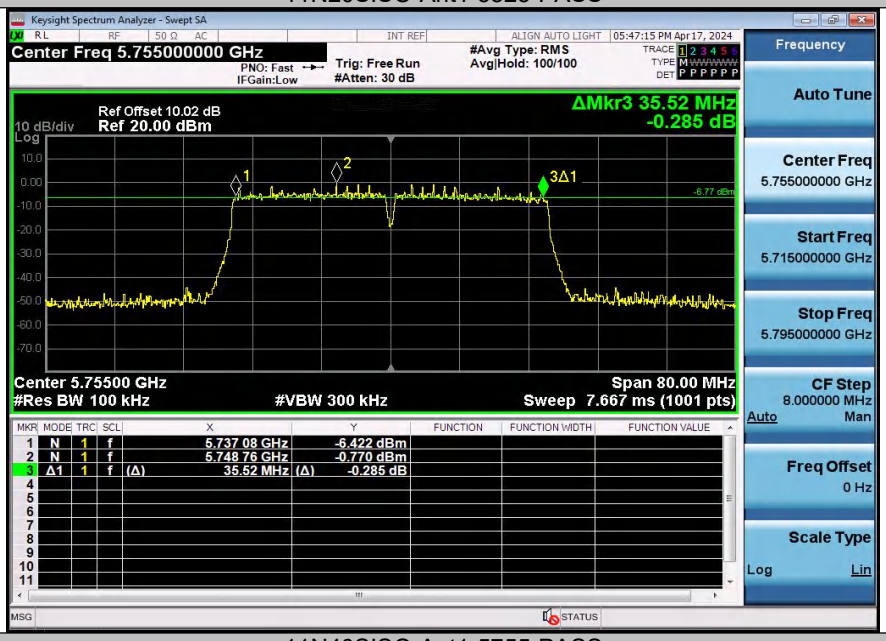

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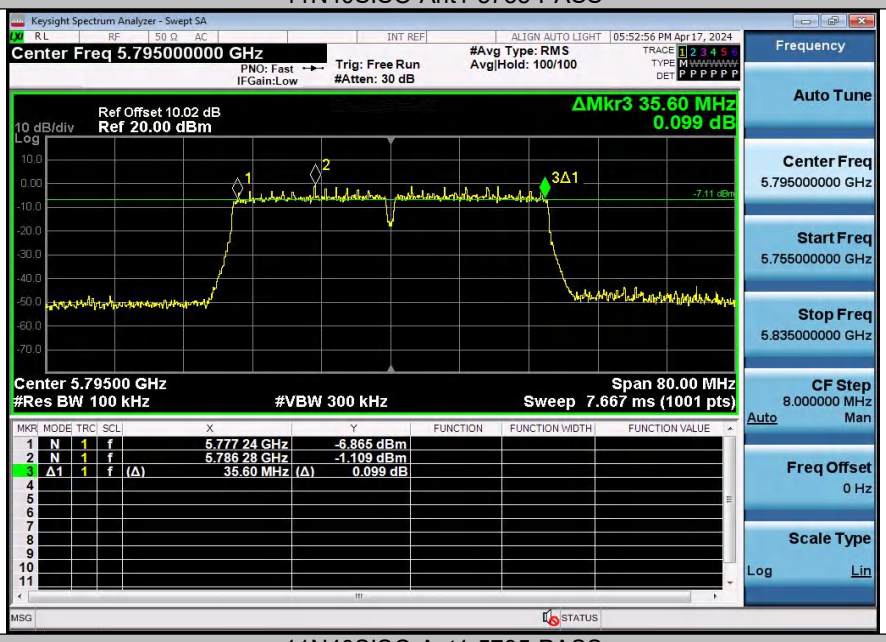

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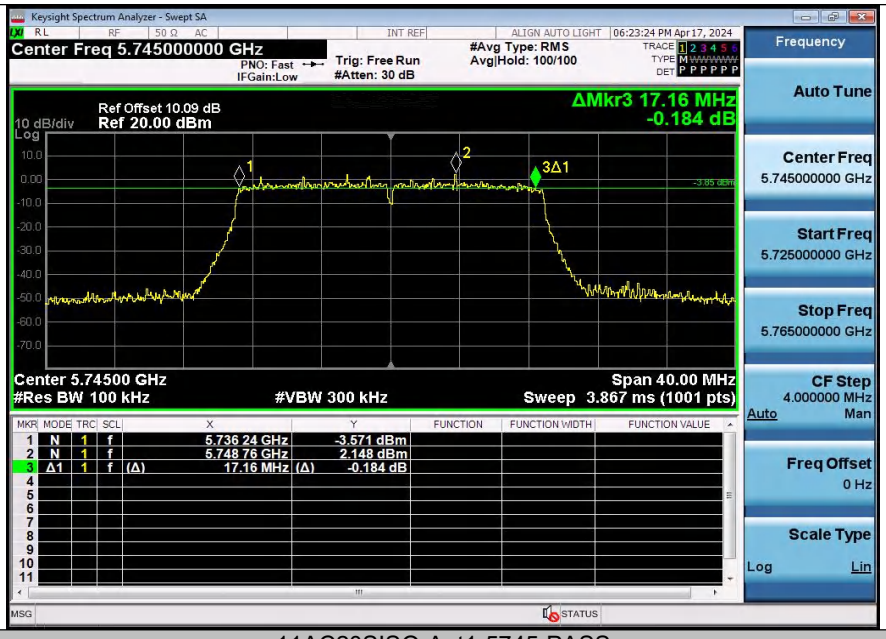

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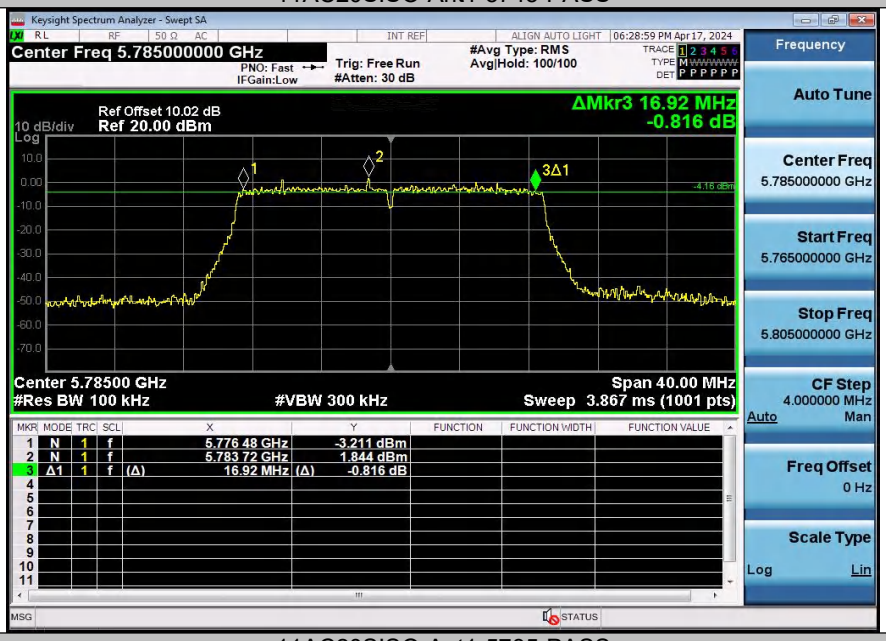

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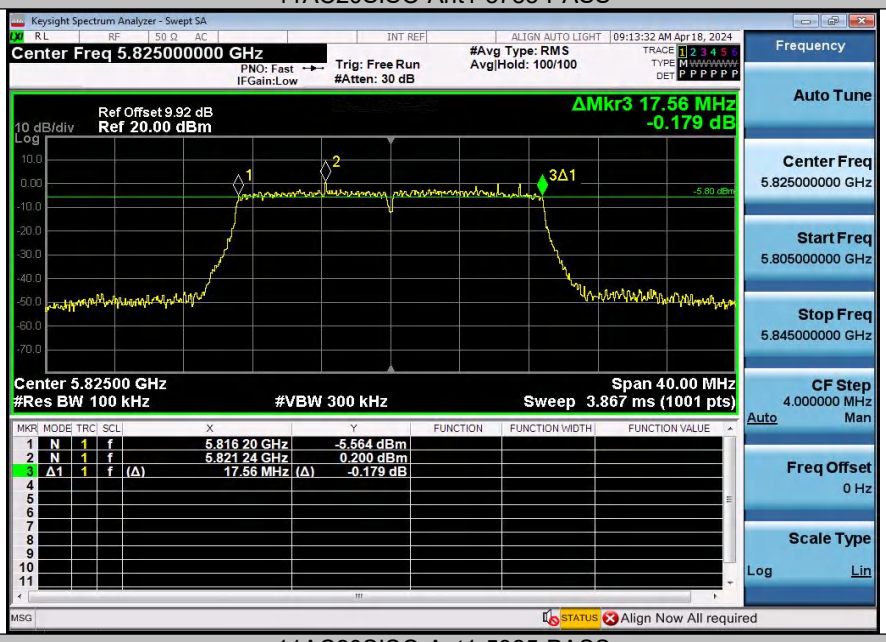

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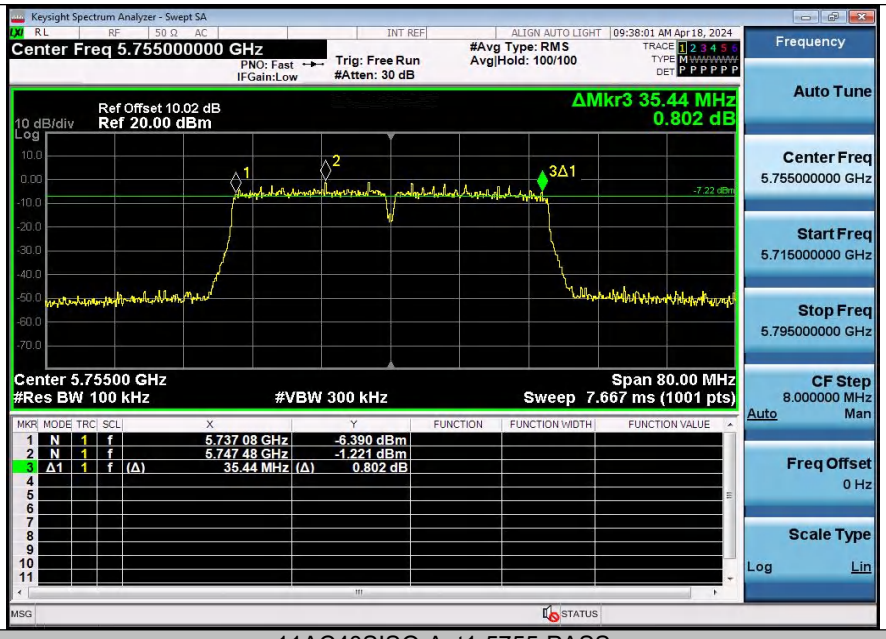

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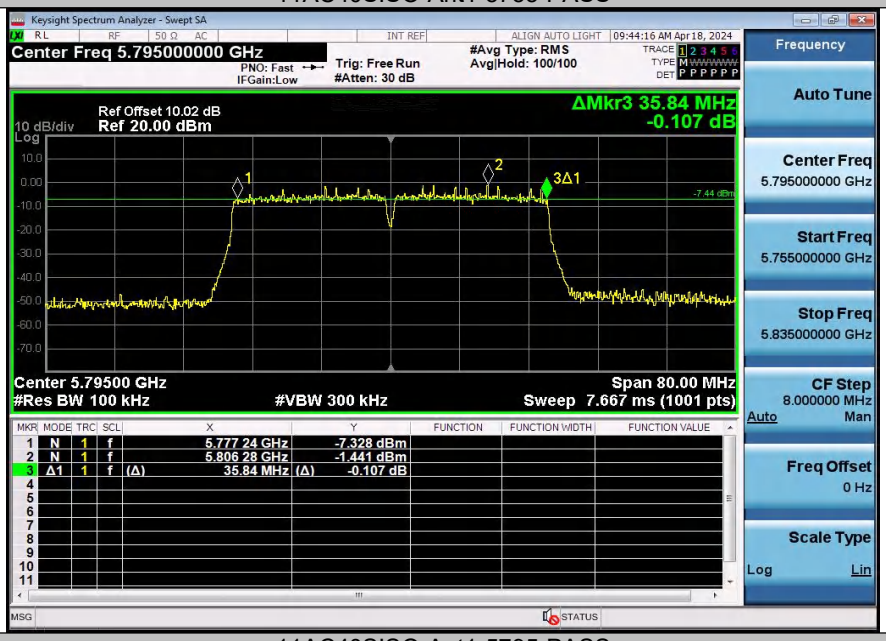

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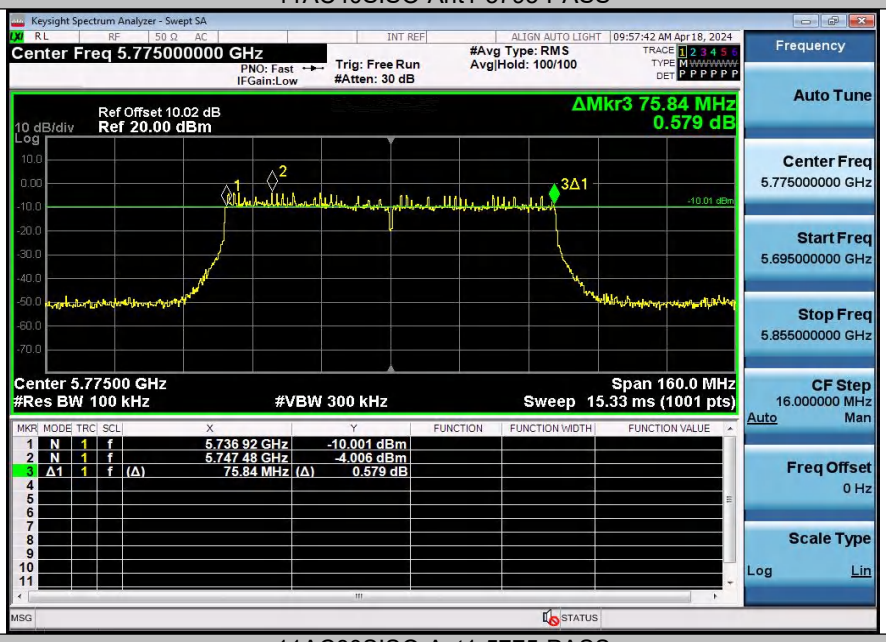

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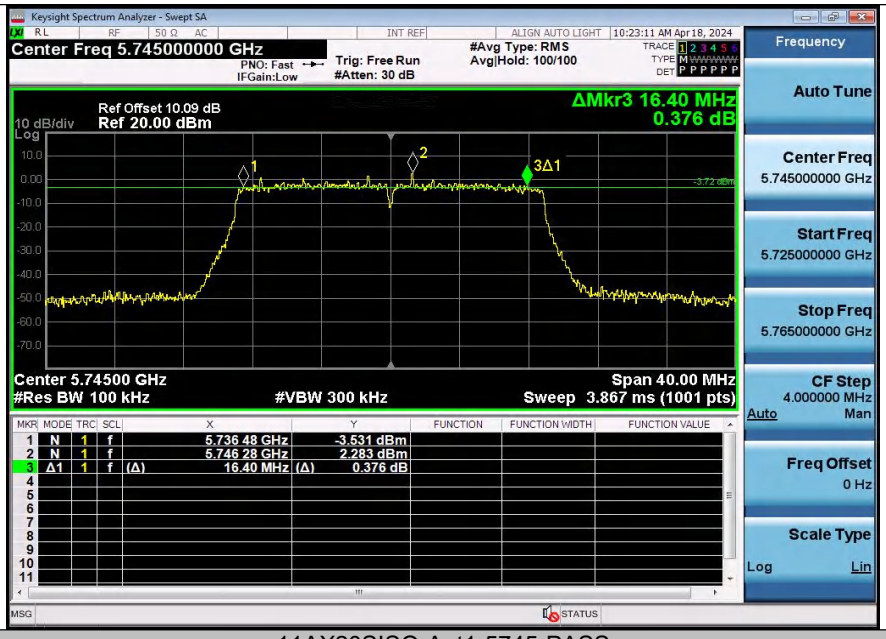

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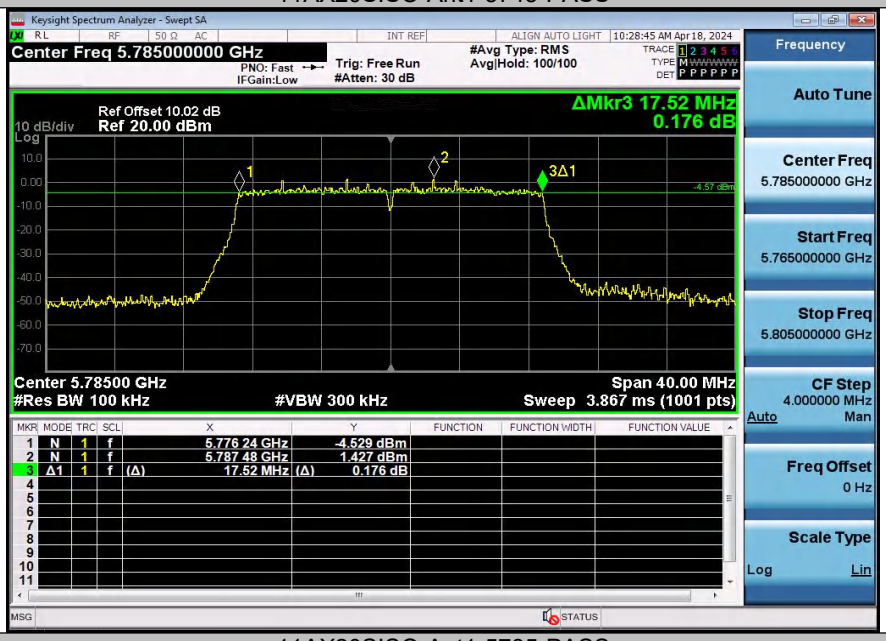

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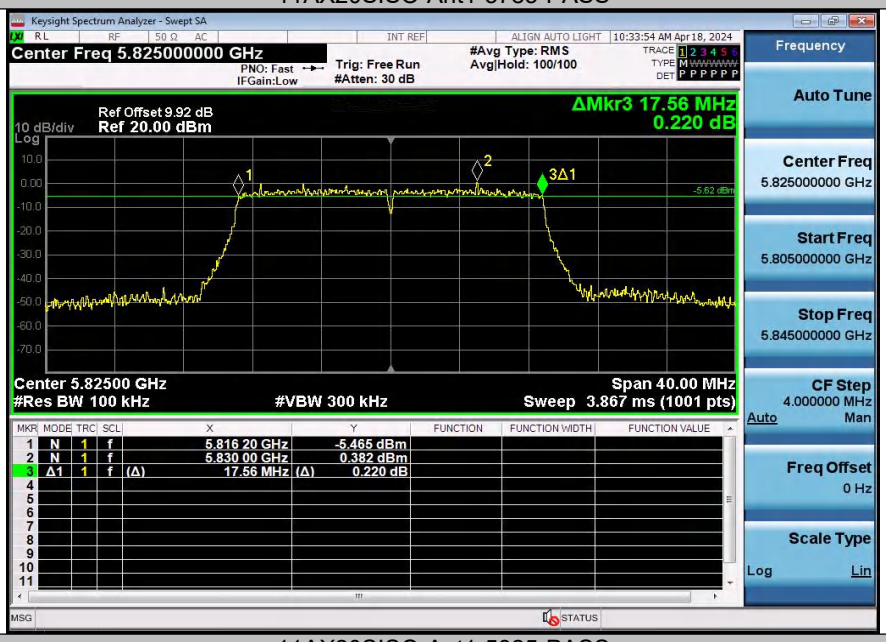

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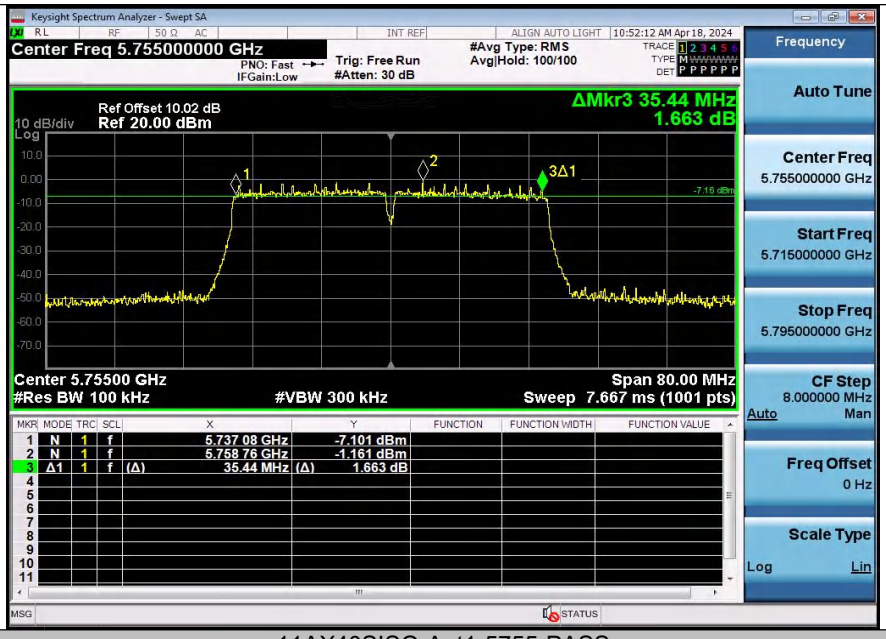

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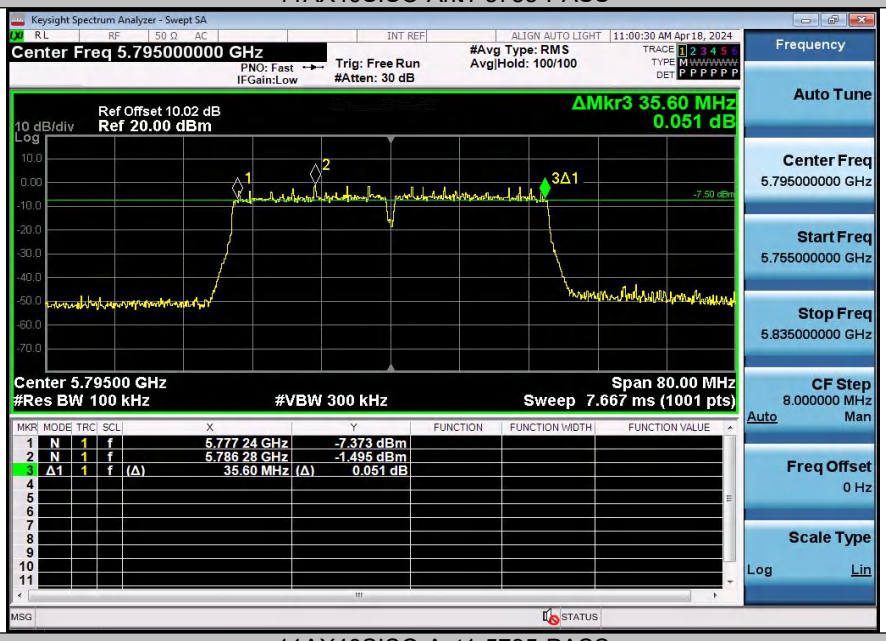

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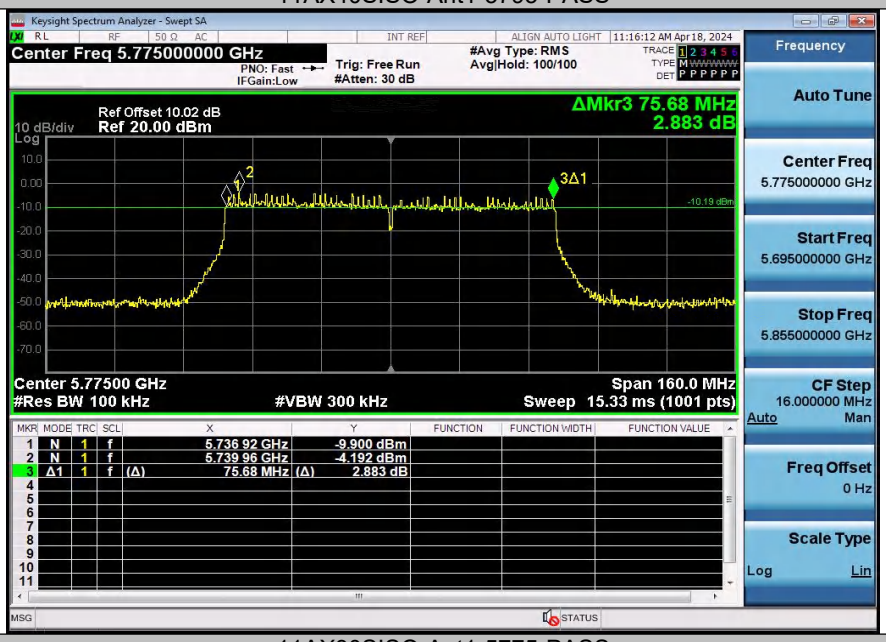

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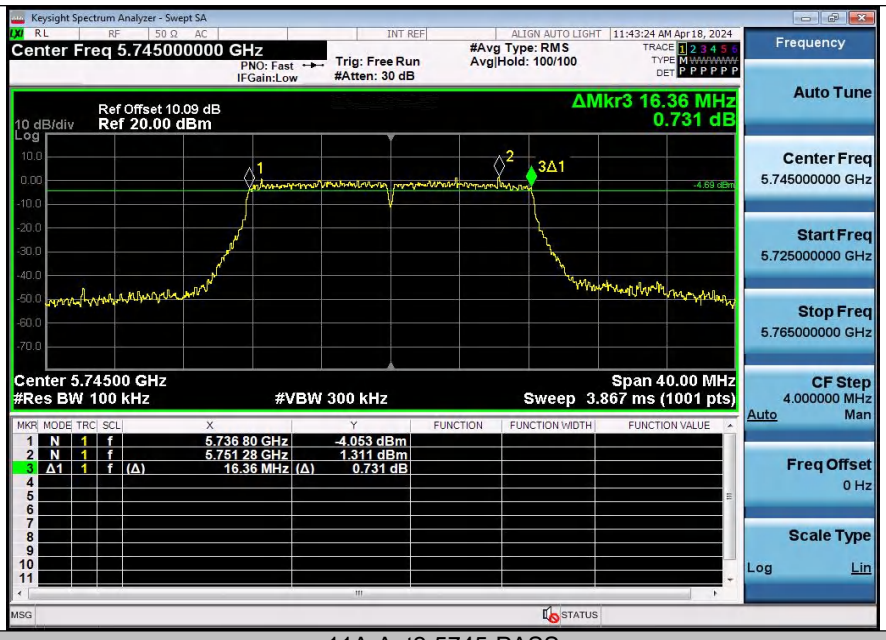

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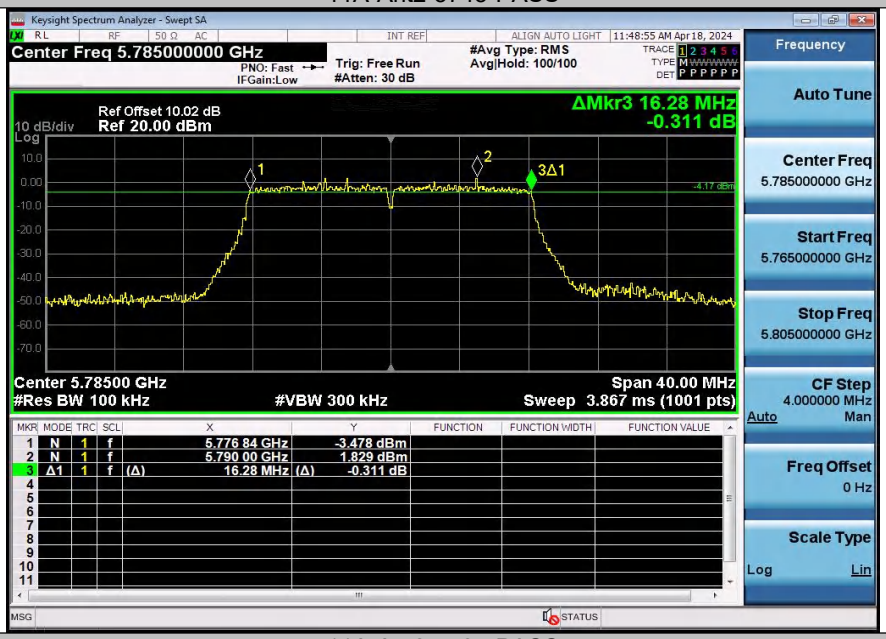

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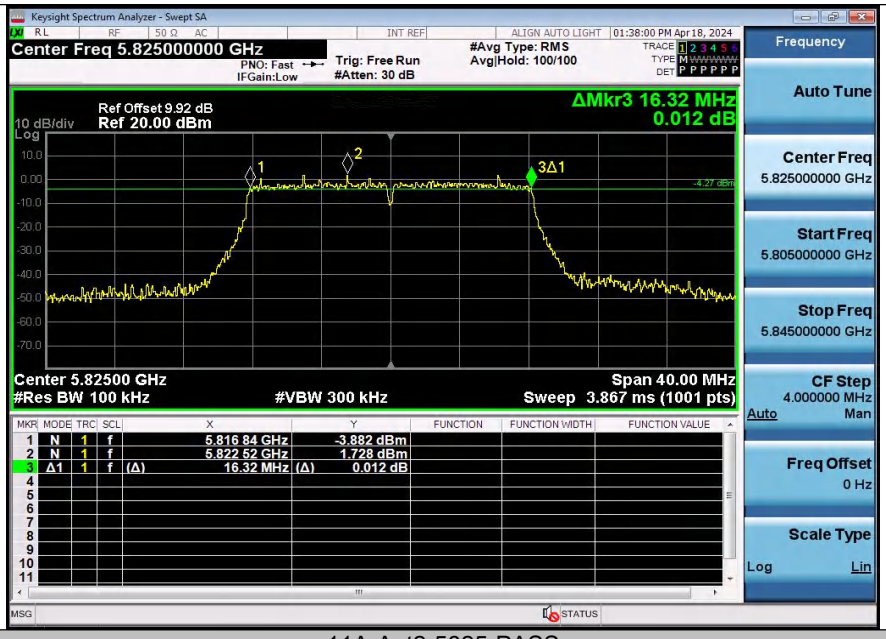

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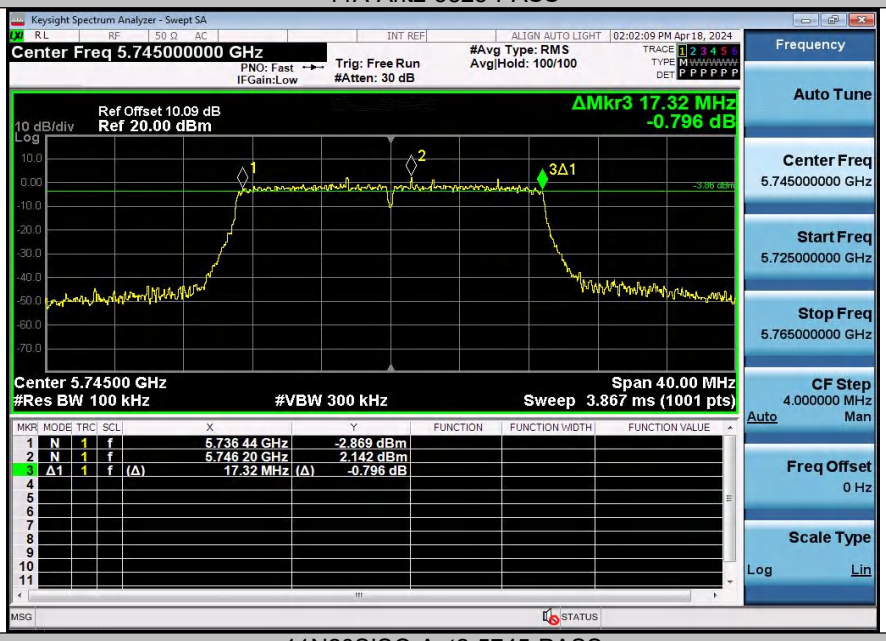

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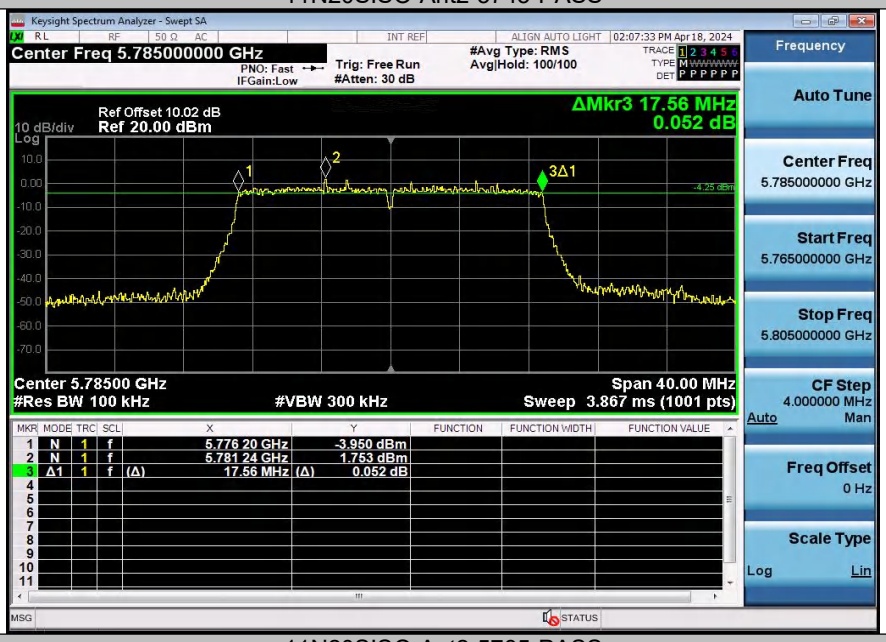

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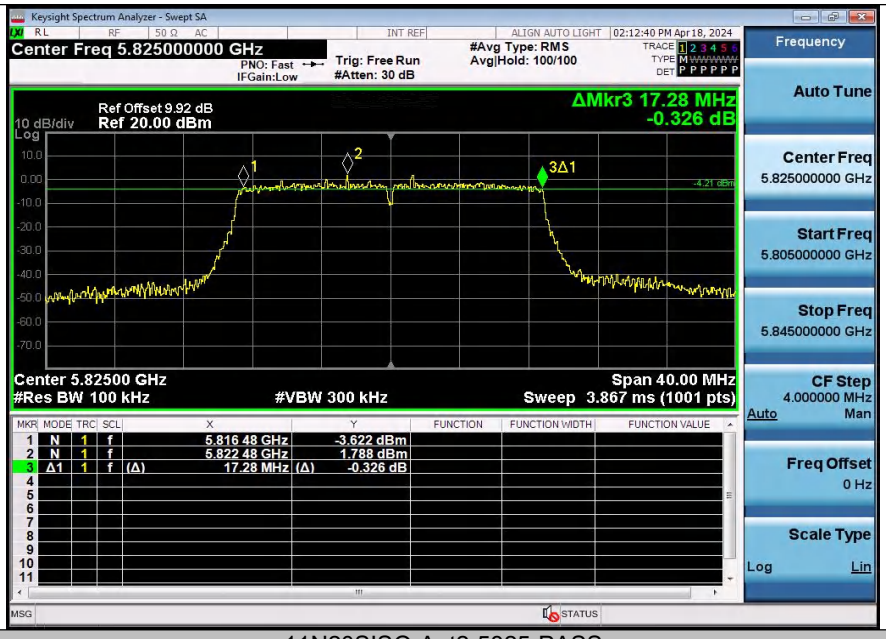

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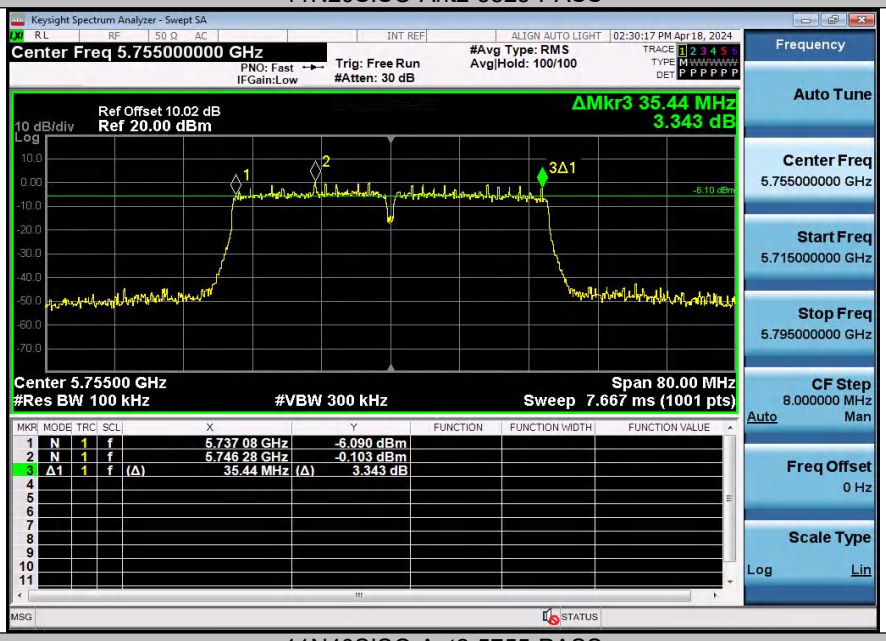

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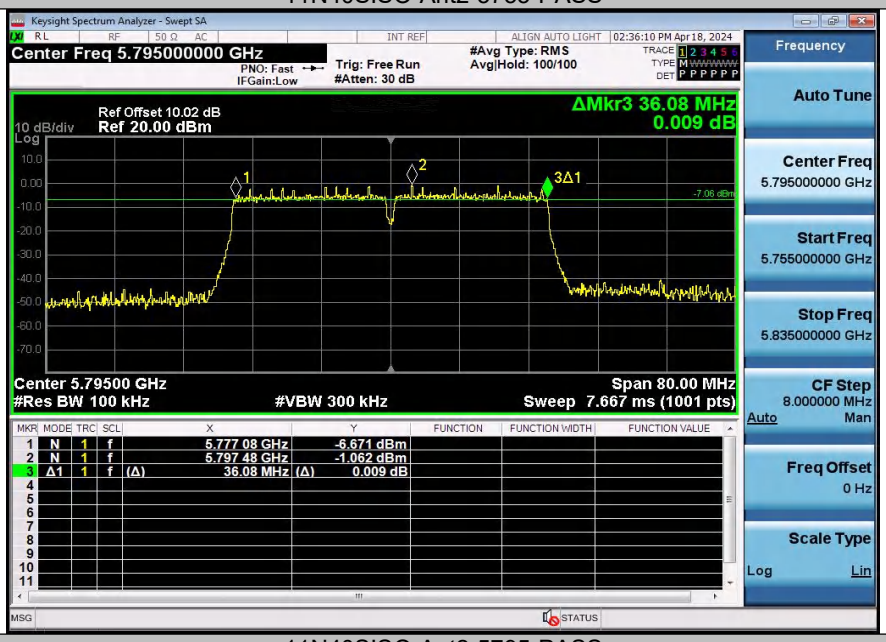

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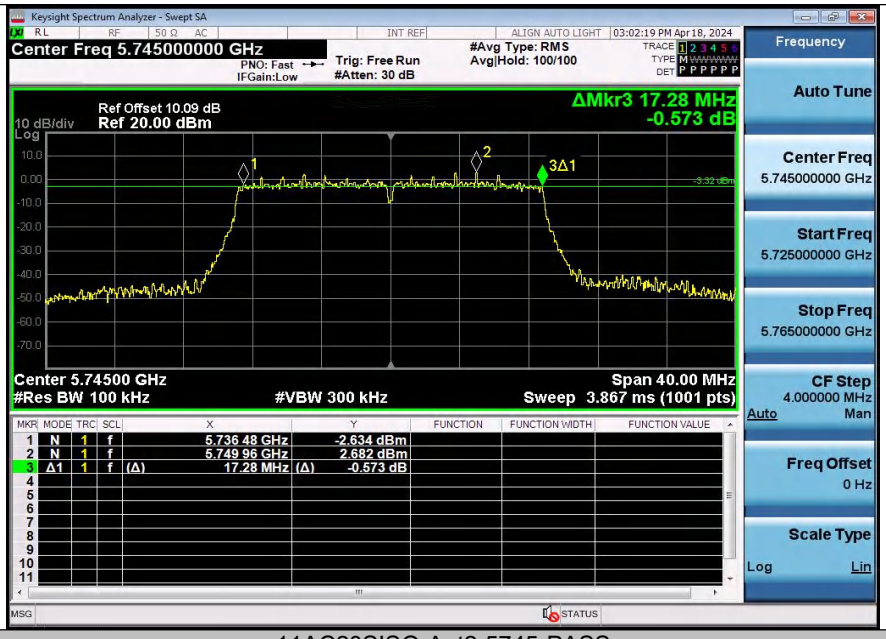

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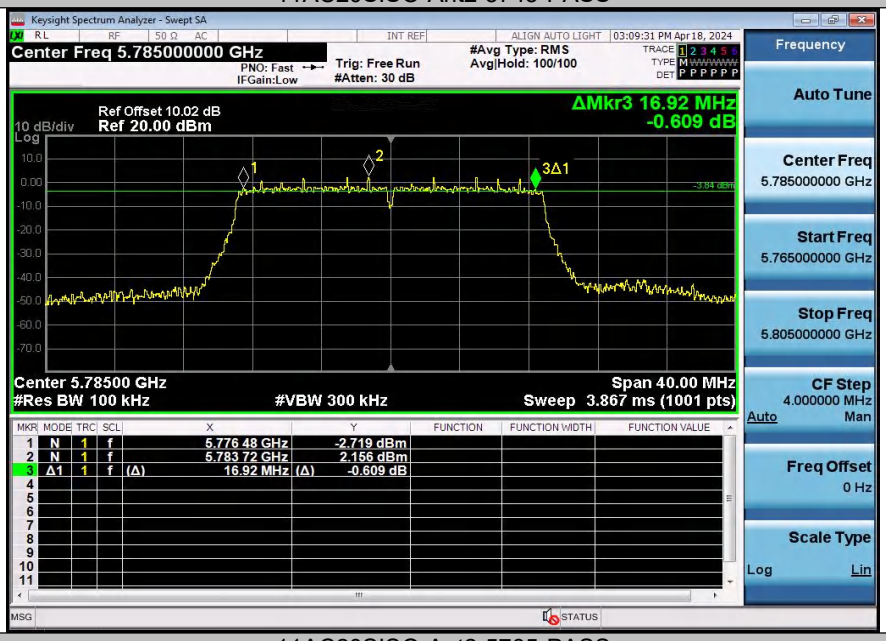

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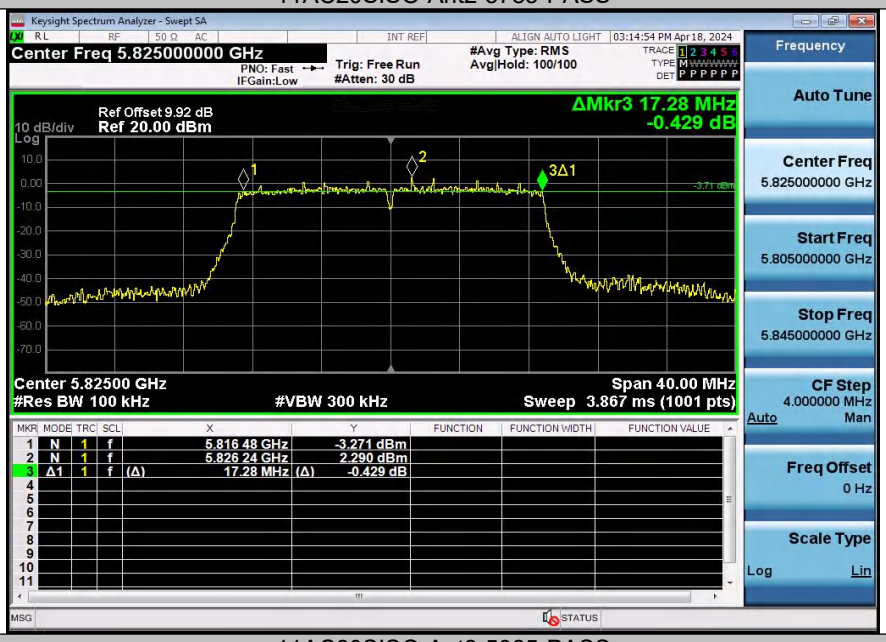

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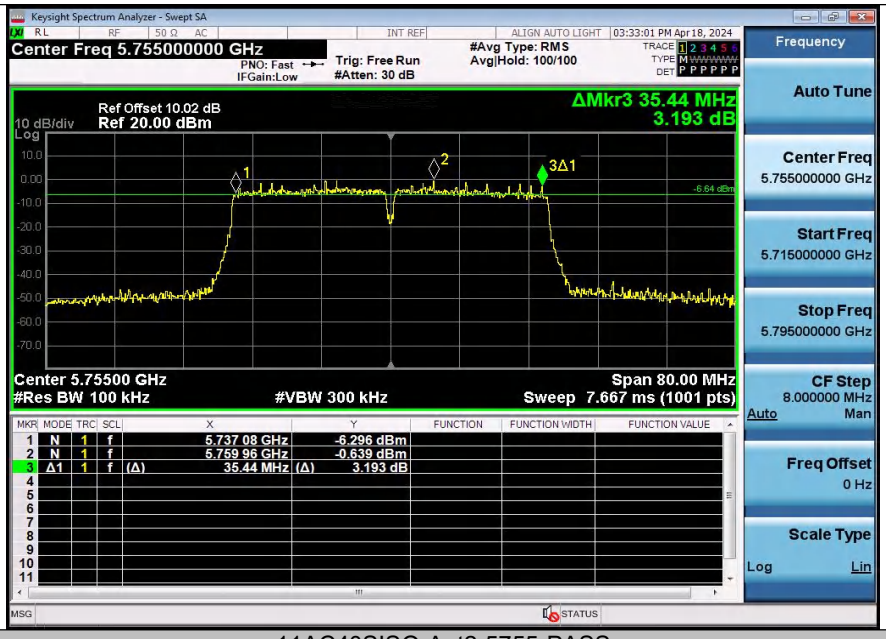
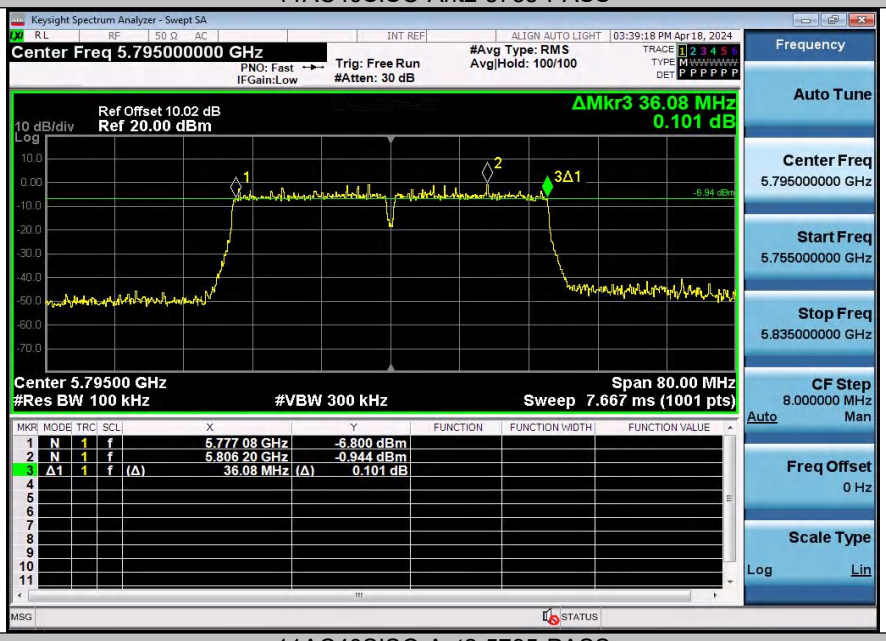
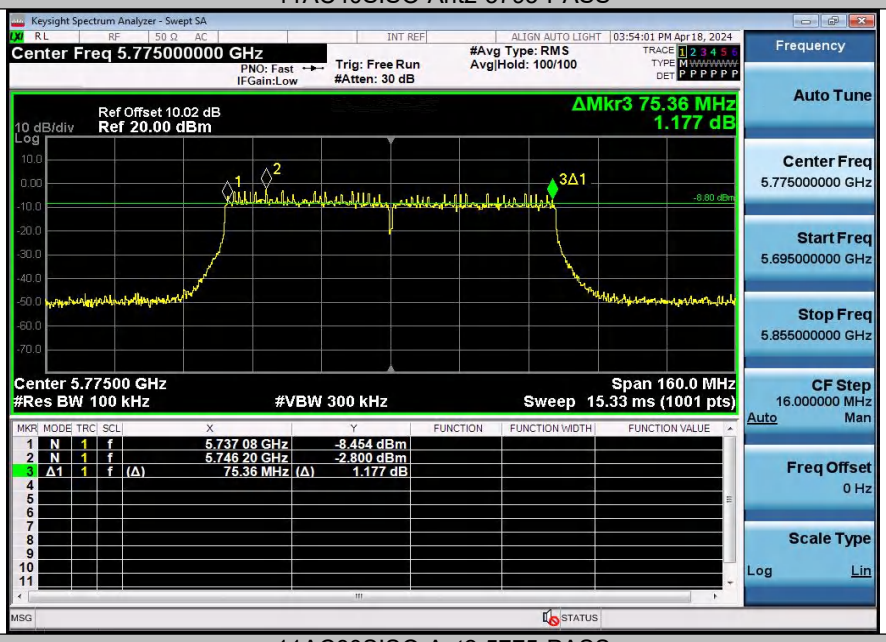


11AC40SISO-Ant2-5755-PASS



11AC40SISO-Ant2-5795-PASS



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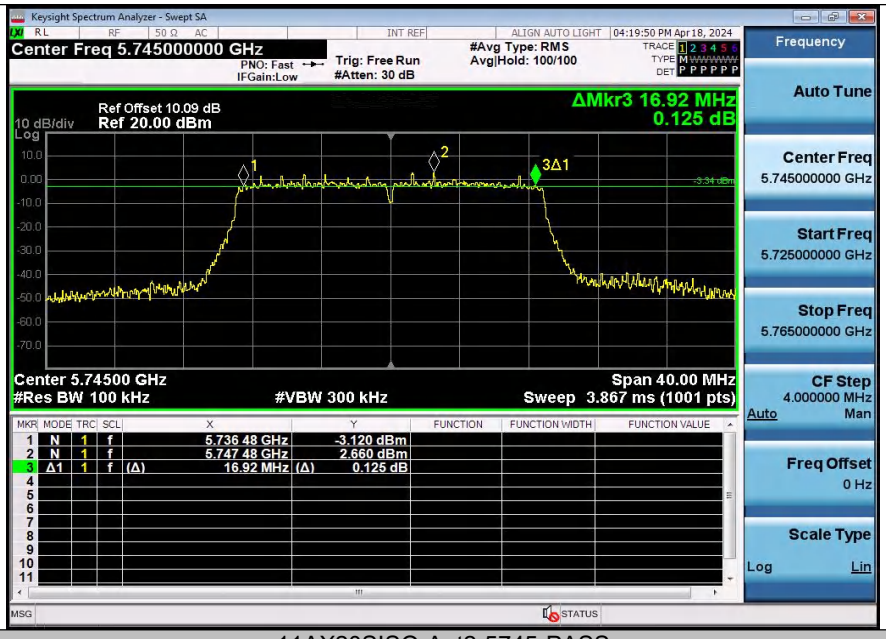

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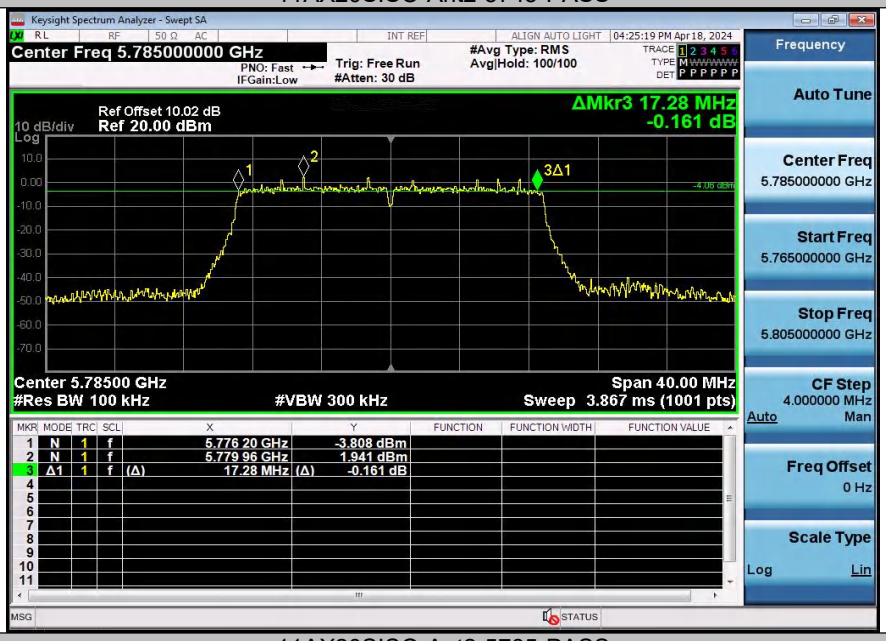

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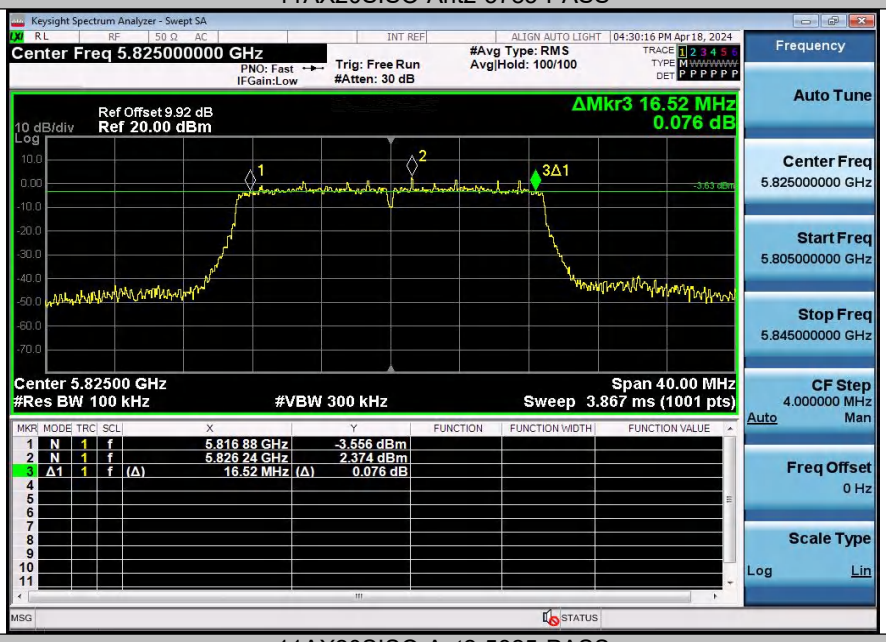

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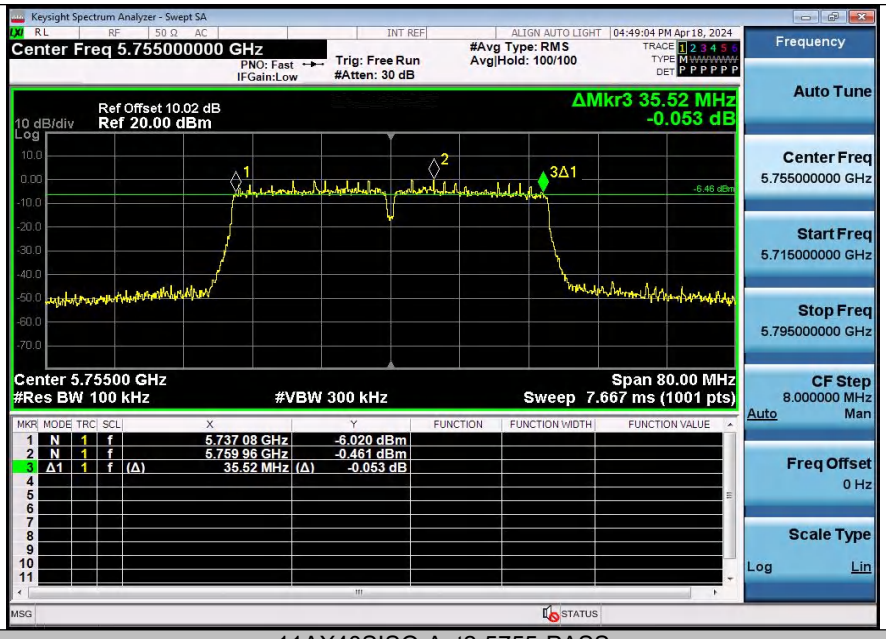

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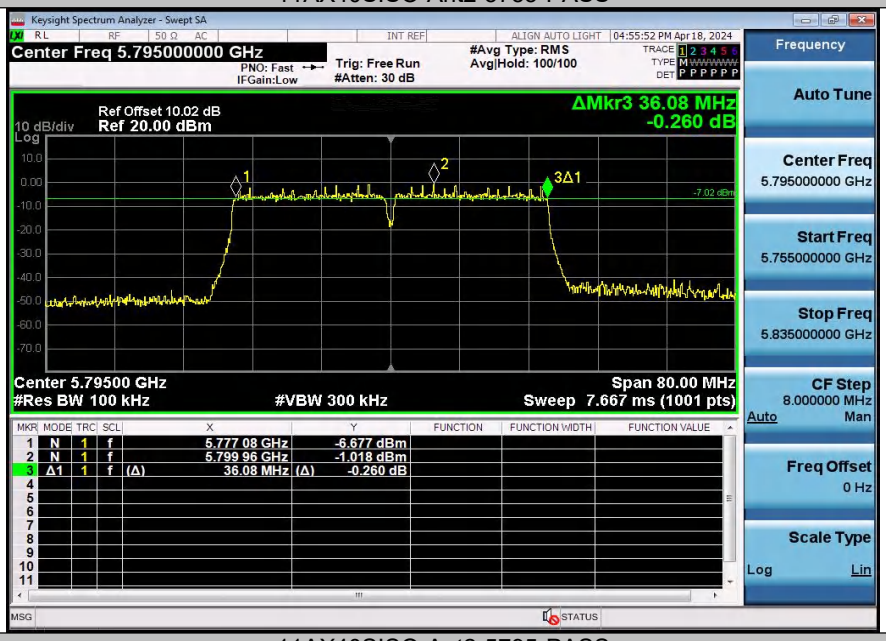

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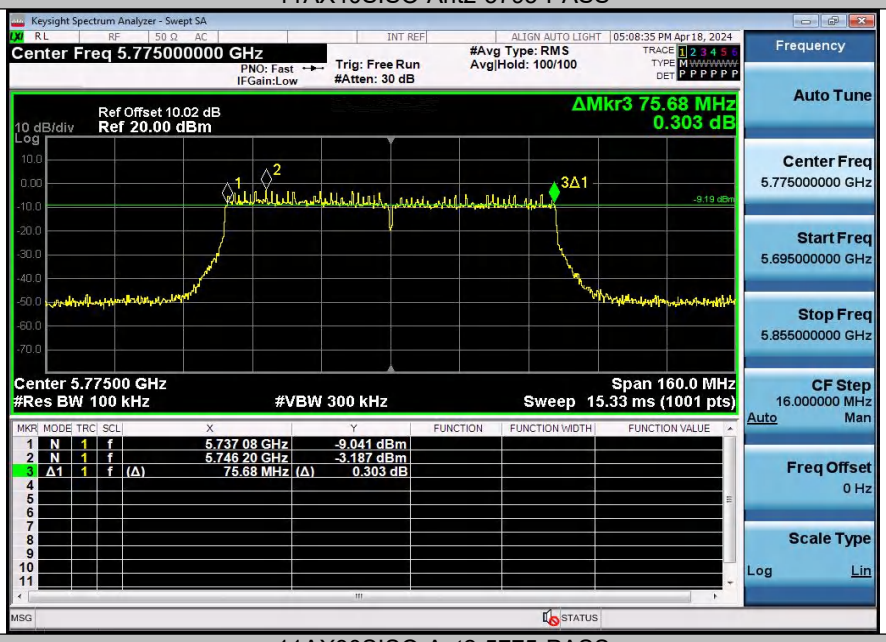

11AX80SISO-Ant2-5775-PASS