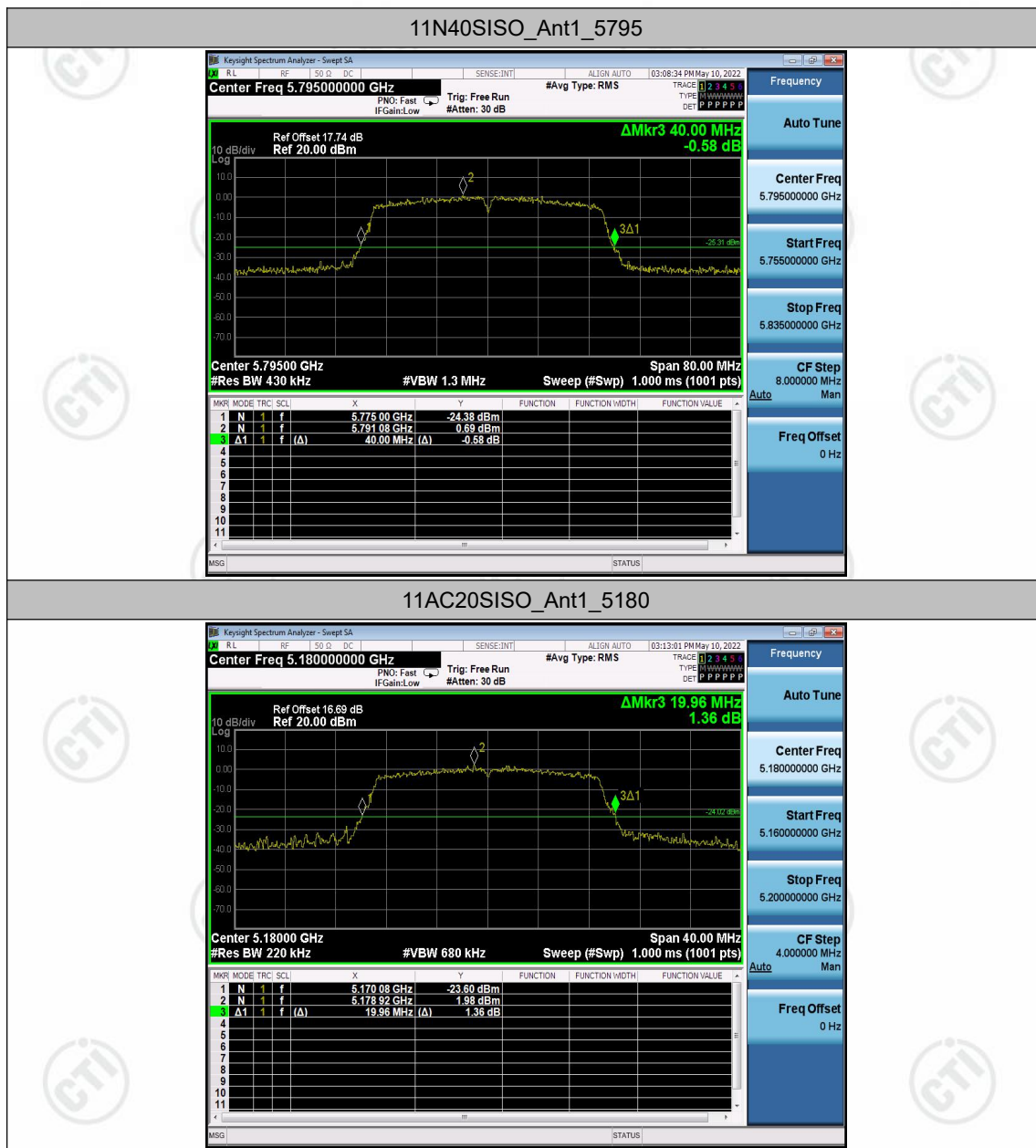
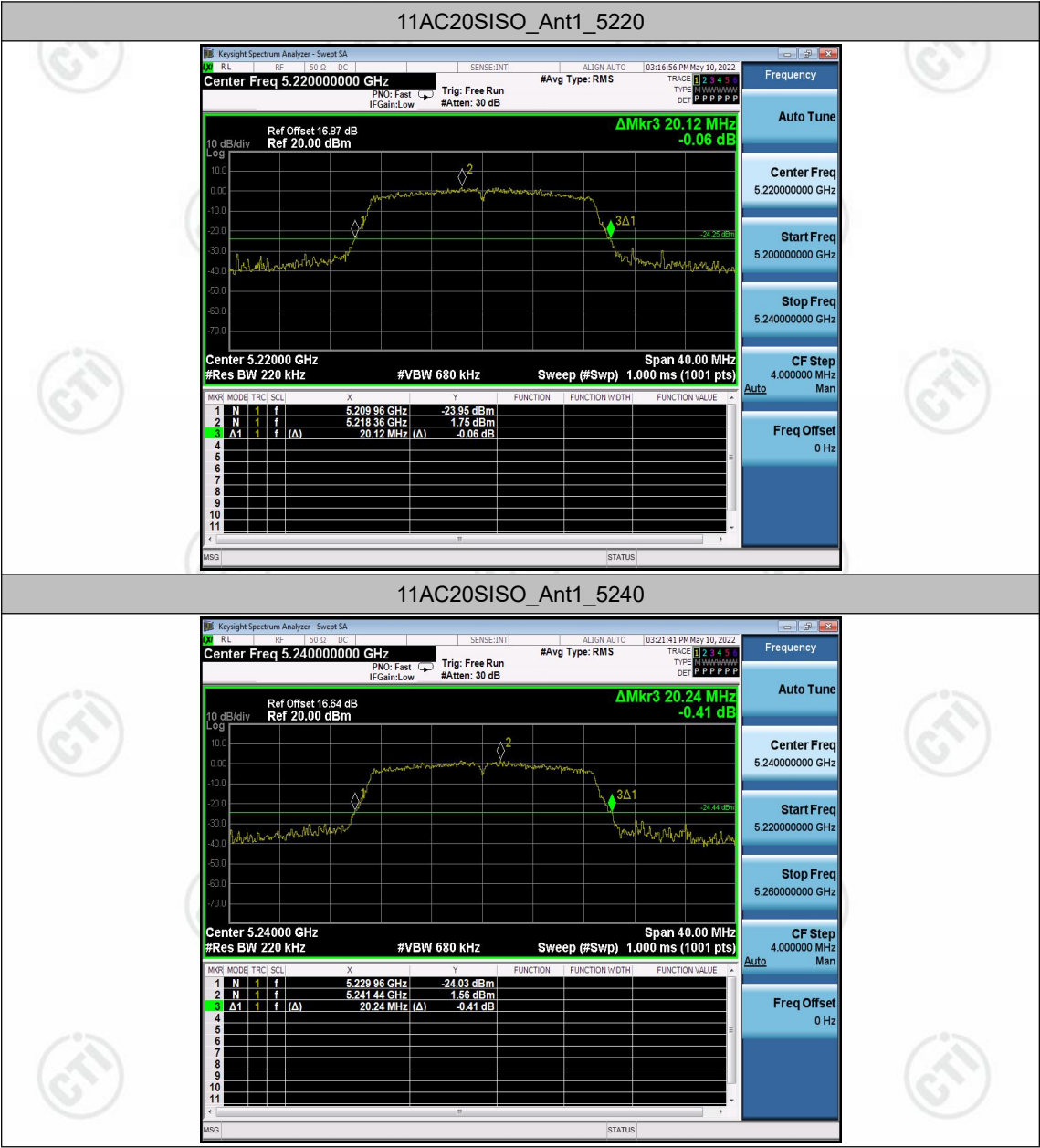






11AC20SISO_Ant1_5240

Keysight Spectrum Analyzer - Sweep SA

RF: 150.2 OC

SENSE:INT

ALIGN: AUTO

03:21:41 PM May 10, 2022

Center Freq 5.240000000 GHz

Trig: Free Run

#Avg Type: RMS

TRACE 1 1 1 1 1

PNO: Fast

IFGain: Low

#Atten: 30 dB

TYPE: P P P P P P P

DET: P P P P P P P

Ref Offset 16.64 dB

Ref 20.00 dBm

Δ Mkr3 20.24 MHz

-0.41 dB

10 dB/div

Log

Center 5.24000 GHz

#Res BW 220 kHz

#VBW 680 kHz

Sweep (#Swp) 1.000 ms (1001 pts)

Span 40.00 MHz

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION (MATH)	FUNCTION VALUE
1	N	1	f	5.229 96 GHz	-24.03 dBm			
2	N	1	f	5.241 44 GHz	1.66 dBm			
4	Δ 1	1	f (Δ)	20.24 MHz (Δ)	-0.41 dB			
5								
6								
7								
8								
9								
10								
11								

MSG

STATUS

Frequency

Auto Tune

Center Freq 5.240000000 GHz

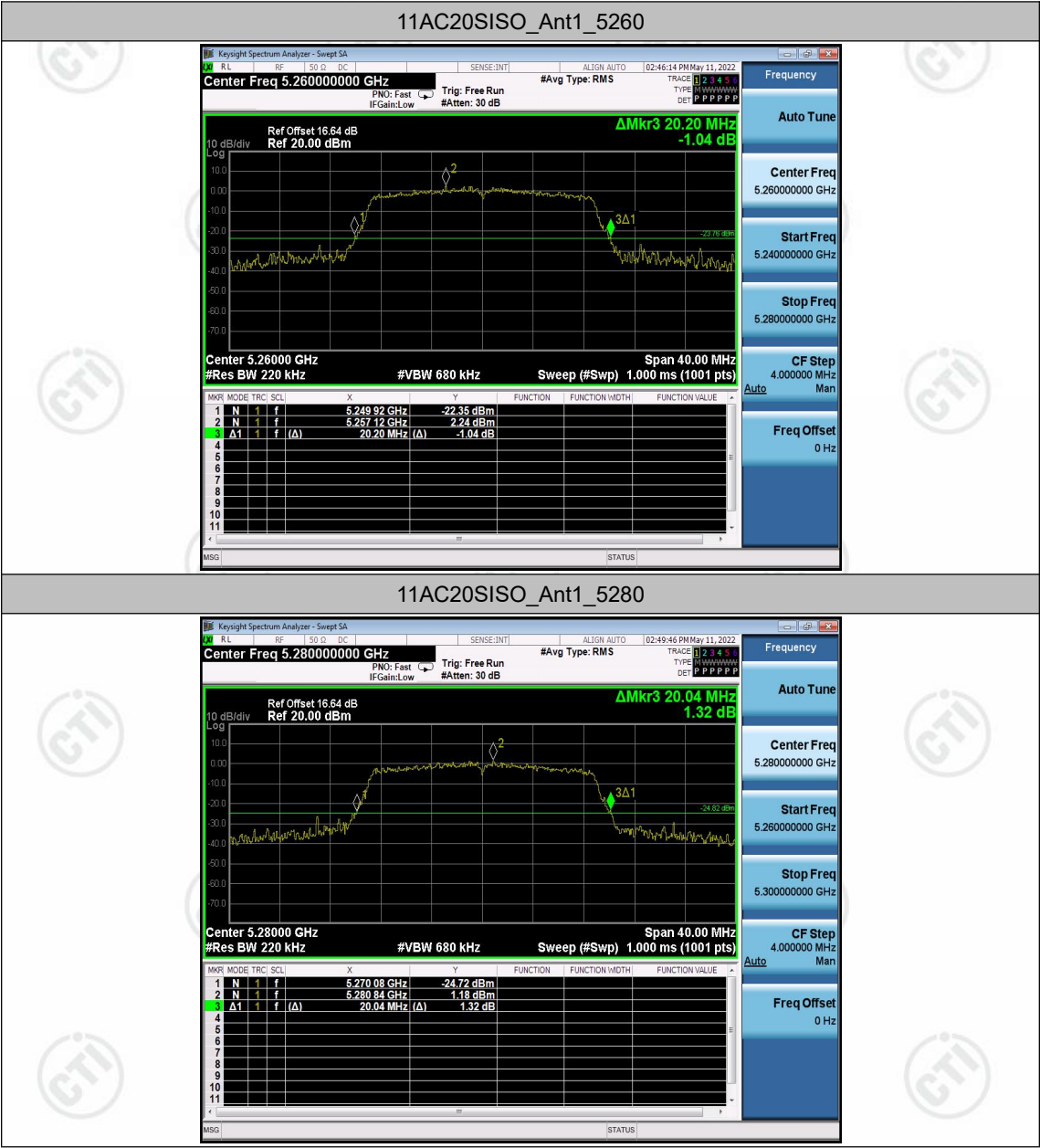
Start Freq 5.220000000 GHz

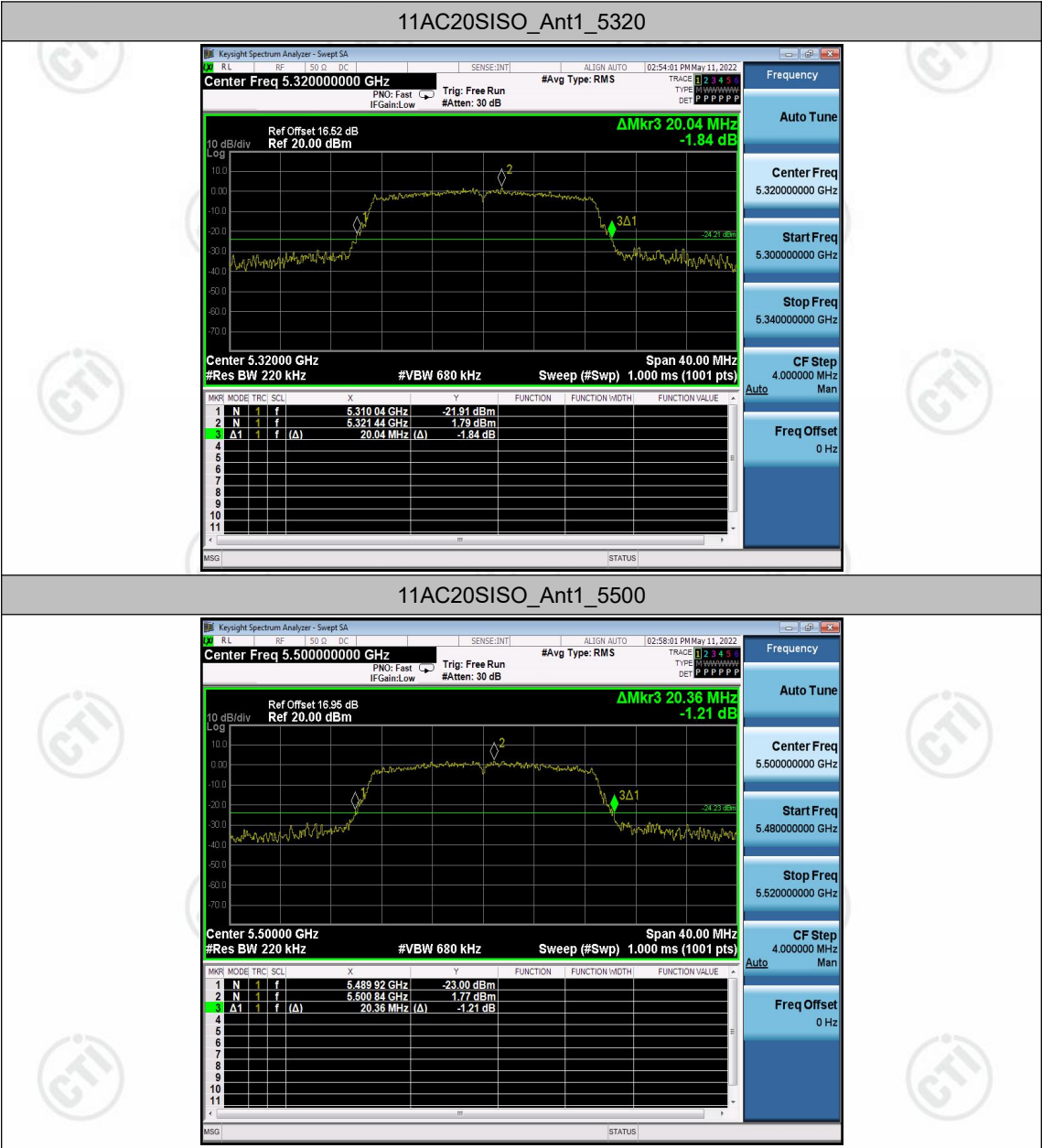
Stop Freq 5.260000000 GHz

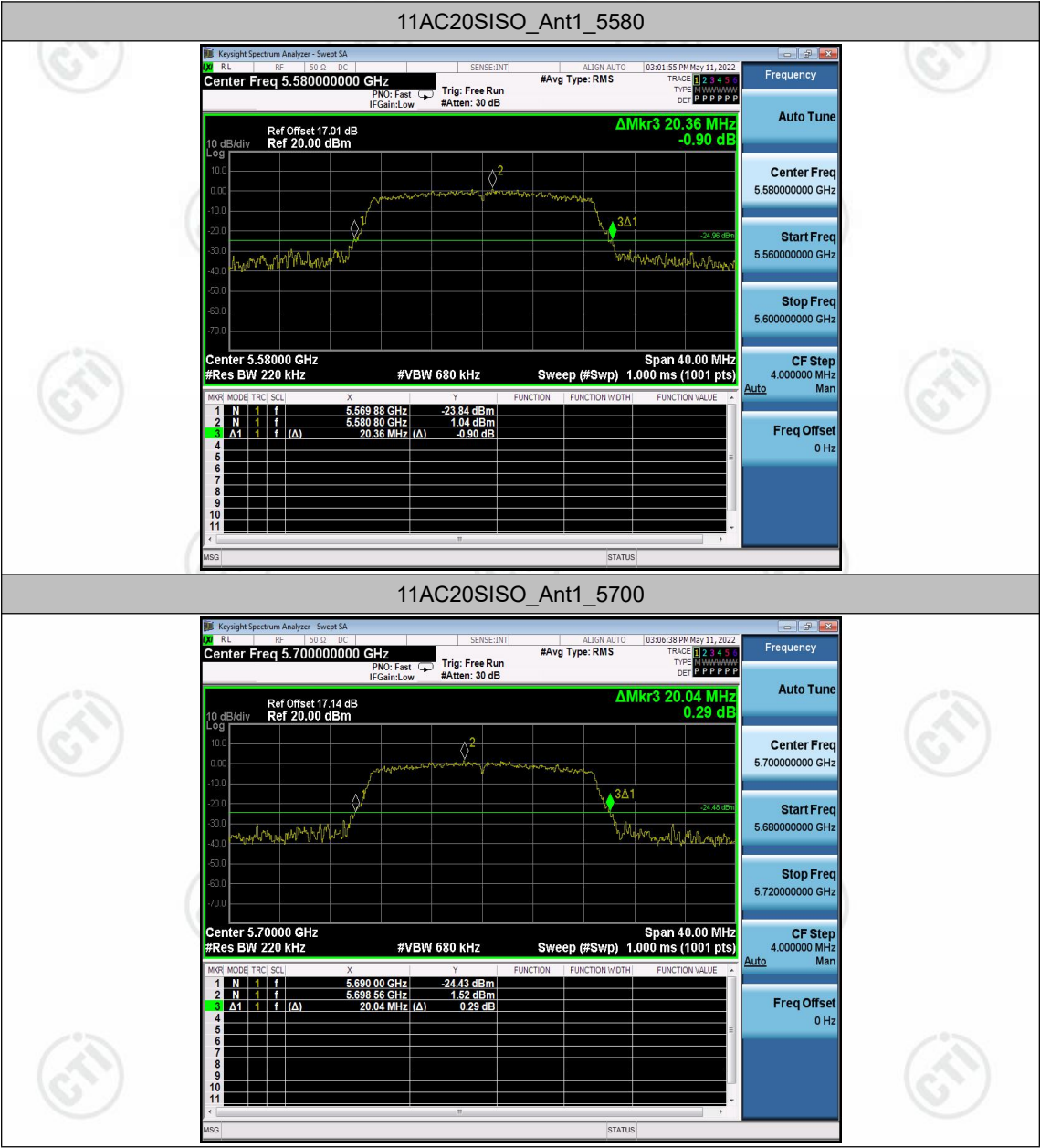
CF Step 4.000000 MHz

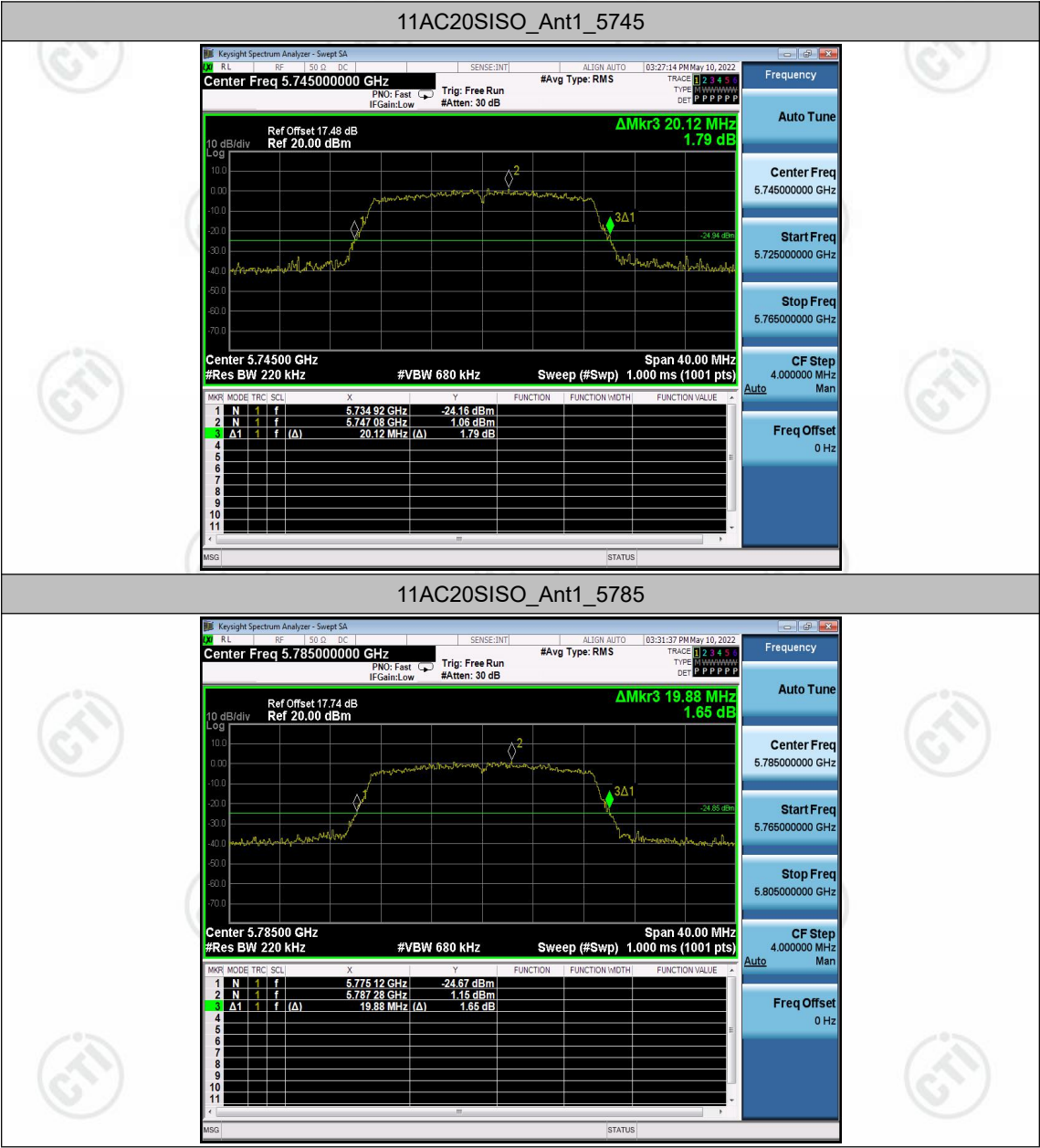
Man

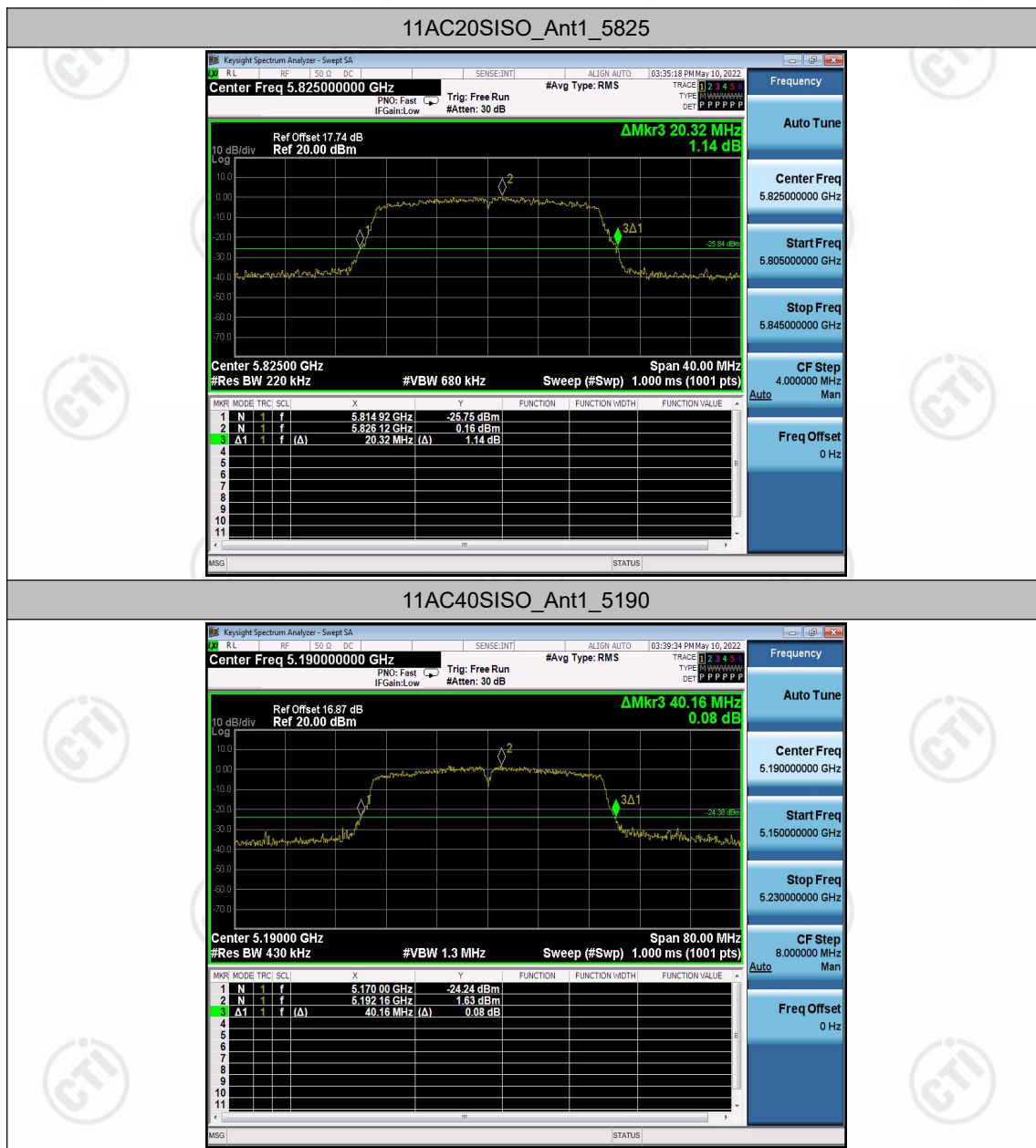
Freq Offset 0 Hz

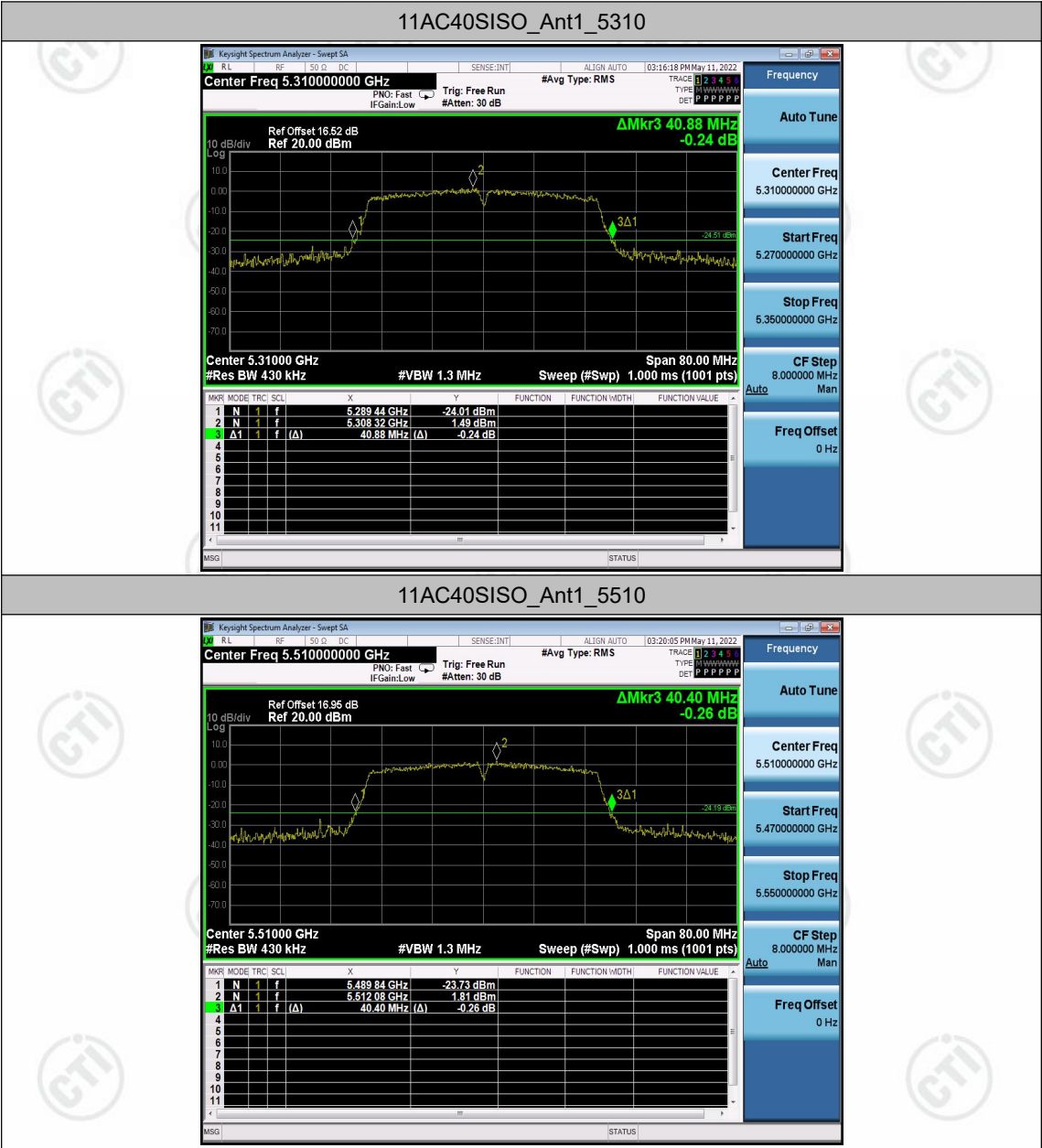












11AC40SISO_Ant1_5510

Keysight Spectrum Analyzer - Sweep SA

RF: 150.0 GHz

SENSE:INT

ALIGN: AUTO

03:20:05 PM May 11, 2022

Center Freq 5.510000000 GHz

Trig: Free Run

#Avg Type: RMS

TRACE 1 2 3 4 5 6

PNO: Fast

IF Gain: Low

#Atten: 30 dB

TYPE: P P P P P P

DET: P P P P P P

Ref Offset 16.95 dB

Ref 20.00 dBm

Δ Mkr3 40.40 MHz

-0.26 dB

10 dB/div

Log

Center 5.51000 GHz

#Res BW 430 kHz

#VBW 1.3 MHz

Sweep (#Swp) 1.000 ms (1001 pts)

Span 80.00 MHz

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION (MATH)	FUNCTION VALUE
1	N	1	f	5.489 84 GHz	-23.73 dBm			
2	N	1	f	5.512 08 GHz	-1.81 dBm			
4	Δ 1	1	f (Δ)	40.40 MHz (Δ)	-0.26 dB			
5								
6								
7								
8								
9								
10								
11								

MSG

STATUS

Frequency

Auto Tune

Center Freq 5.510000000 GHz

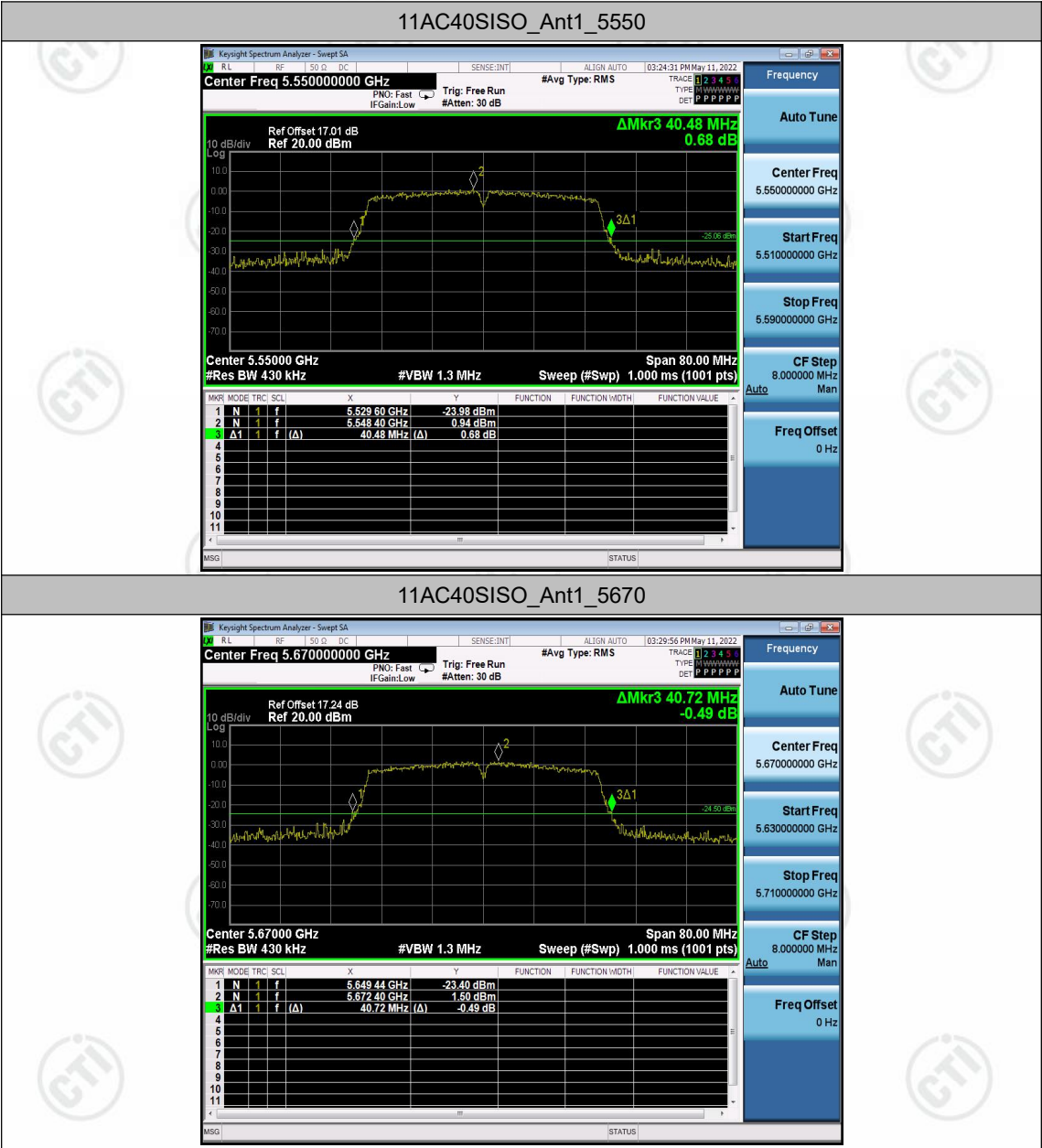
Start Freq 5.470000000 GHz

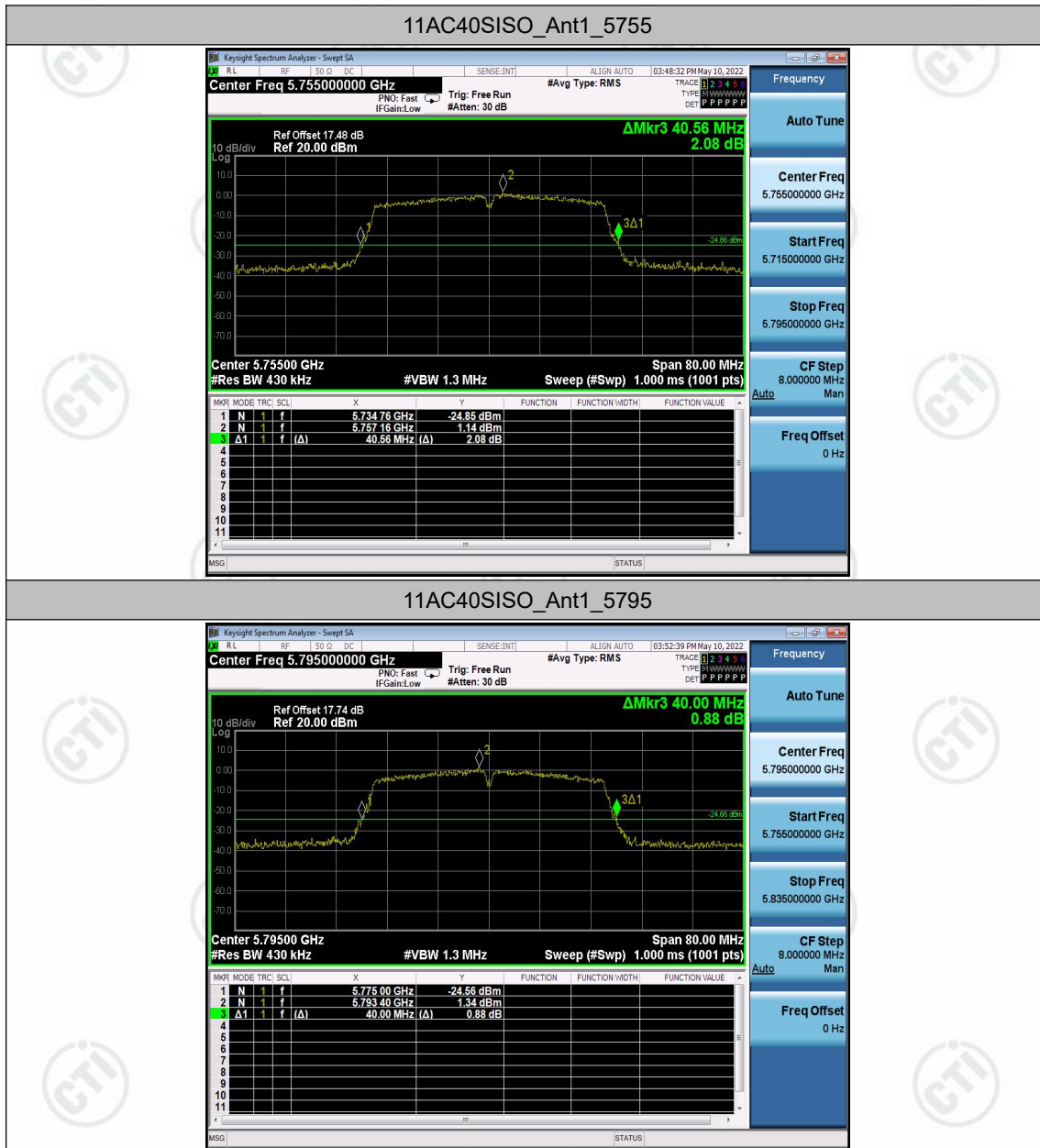
Stop Freq 5.550000000 GHz

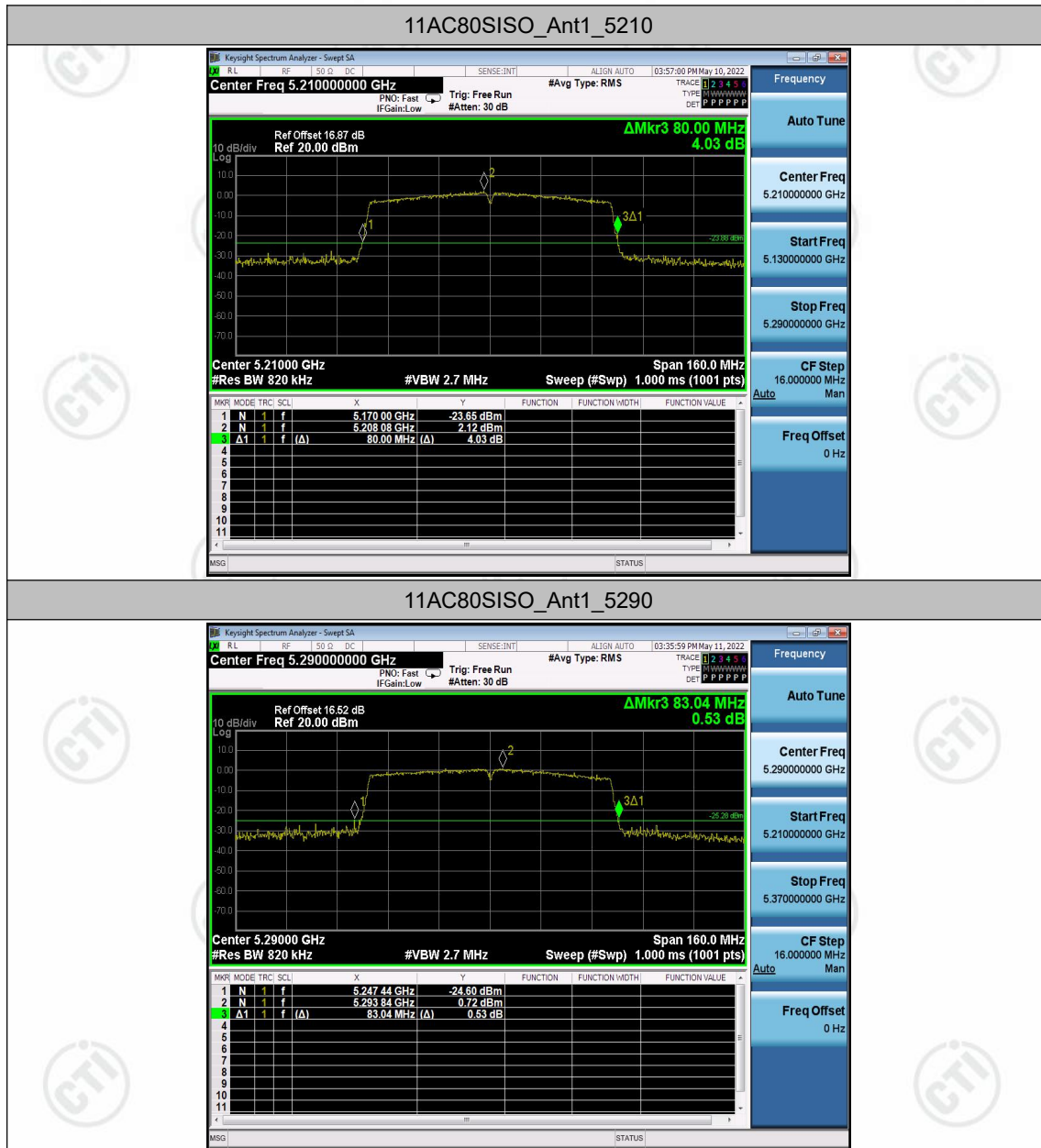
CF Step 8.000000 MHz

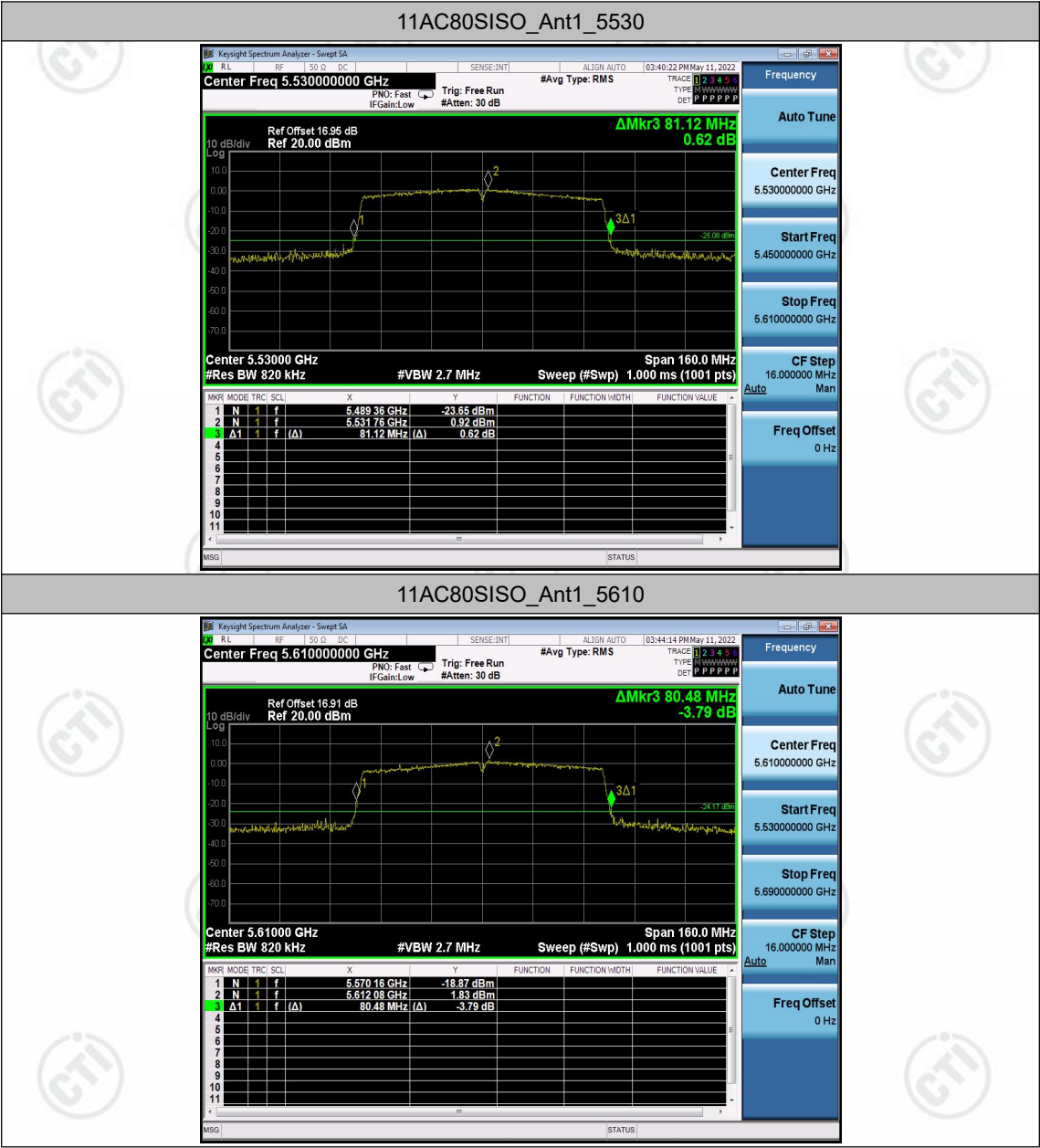
Auto Man

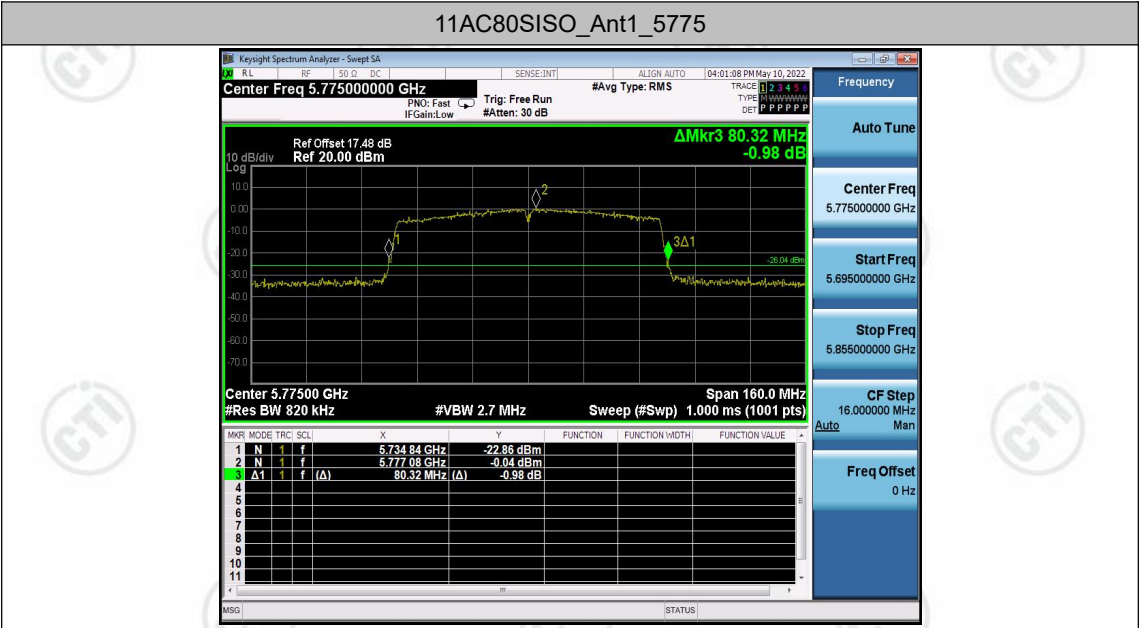
Freq Offset 0 Hz











Appendix A2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.716	5171.657	5188.373	---	---
		5220	16.706	5211.639	5228.345	---	---
		5240	16.761	5231.627	5248.388	---	---
		5260	16.737	5251.591	5268.328	---	---
		5280	16.829	5271.571	5288.400	---	---
		5320	16.832	5311.623	5328.455	---	---
		5500	16.850	5491.612	5508.462	---	---
		5580	16.794	5571.559	5588.353	---	---
		5700	16.774	5691.646	5708.420	---	---
		5745	16.642	5736.715	5753.357	---	---
		5785	16.664	5776.707	5793.371	---	---
		5825	16.666	5816.645	5833.311	---	---
11N20SISO	Ant1	5180	17.771	5171.140	5188.911	---	---
		5220	17.783	5211.108	5228.891	---	---
		5240	17.717	5231.157	5248.874	---	---
		5260	17.803	5251.078	5268.881	---	---
		5280	17.775	5271.114	5288.889	---	---
		5320	17.766	5311.114	5328.880	---	---
		5500	17.784	5491.116	5508.900	---	---
		5580	17.811	5571.079	5588.890	---	---
		5700	17.781	5691.077	5708.858	---	---
		5745	17.846	5736.132	5753.978	---	---
		5785	17.823	5776.098	5793.921	---	---
		5825	17.723	5816.147	5833.870	---	---
11N40SISO	Ant1	5190	36.039	5172.021	5208.060	---	---
		5230	36.012	5211.986	5247.998	---	---
		5270	36.044	5251.931	5287.975	---	---
		5310	36.047	5291.981	5328.028	---	---
		5510	36.050	5492.034	5528.084	---	---
		5550	36.142	5531.905	5568.047	---	---
		5670	36.050	5651.998	5688.048	---	---
		5755	36.014	5737.106	5773.120	---	---
		5795	35.987	5777.003	5812.990	---	---
11AC20SISO	Ant1	5180	17.722	5171.168	5188.890	---	---

		5220	17.707	5211.170	5228.877	---	---
		5240	17.738	5231.135	5248.873	---	---
		5260	17.771	5251.092	5268.863	---	---
		5280	17.775	5271.098	5288.873	---	---
		5320	17.757	5311.109	5328.866	---	---
		5500	17.724	5491.164	5508.888	---	---
		5580	17.767	5571.128	5588.895	---	---
		5700	17.774	5691.106	5708.880	---	---
		5745	17.771	5736.162	5753.933	---	---
		5785	17.749	5776.145	5793.894	---	---
		5825	17.756	5816.118	5833.874	---	---
11AC40SISO	Ant1	5190	36.045	5172.068	5208.113	---	---
		5230	35.972	5212.001	5247.973	---	---
		5270	36.107	5251.878	5287.985	---	---
		5310	36.009	5291.981	5327.990	---	---
		5510	36.068	5491.998	5528.066	---	---
		5550	36.060	5531.950	5568.010	---	---
		5670	36.037	5651.976	5688.013	---	---
		5755	36.070	5737.101	5773.171	---	---
		5795	35.943	5777.021	5812.964	---	---
11AC80SISO	Ant1	5210	75.518	5172.279	5247.797	---	---
		5290	75.562	5252.130	5327.692	---	---
		5530	75.396	5492.224	5567.620	---	---
		5610	75.469	5572.495	5647.964	---	---
		5775	75.209	5737.607	5812.816	---	---

Test Graphs

