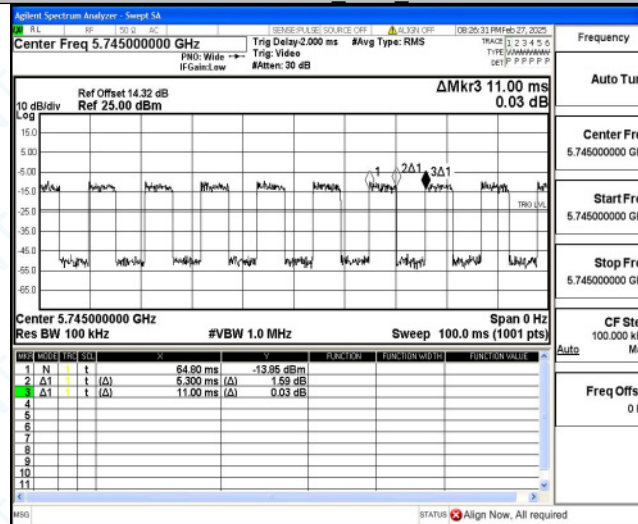
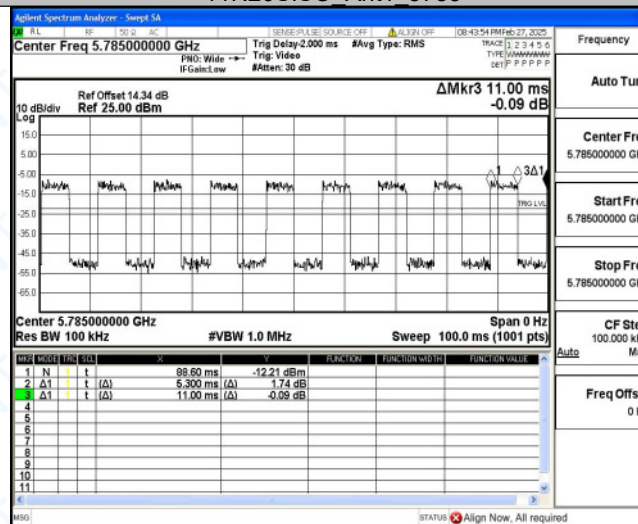




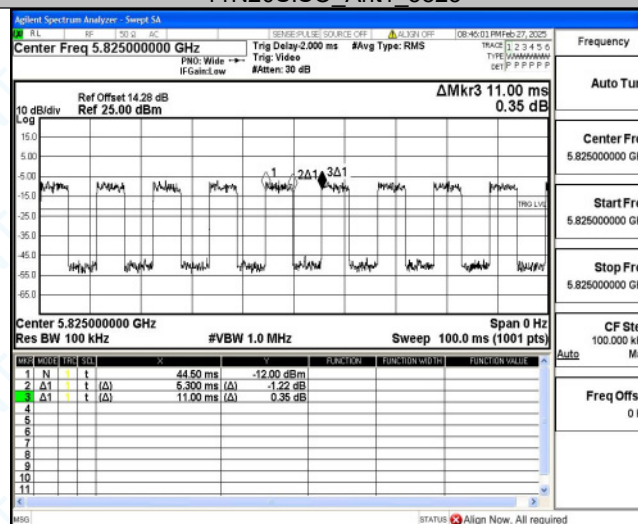
11N20SISO Ant1 5745



11N20SISO Ant1 5785



11N20SISO Ant1 5825





Agilent Spectrum Analyzer - Sweep SA

AL RF 70.0 OC CENTER/FREQ SOURCE CHS ALD/UNIT/ST DB 42.30 MHz 20.00

Center Freq 5.190000000 GHz Trig Delay 2.000 ms Avg Type: RMS Trace 12 3 4 5

PWD: Fast → Trig: Video TYP: VAWMMMMH DEF: P P P P P

#Gain: low #Atten: 30 dB

Ref Offset 14.09 dB ΔMkr3 7.030 ms

Ref 25.00 dB 0.79 dB

10 dB/div

15.00

5.00

-5.00

-15.00

-25.00

-35.00

-45.00

-55.00

TR0 LVL

Center 5.190000000 GHz Span 0 Hz

Res BW 8.0 MHz #VBW 8.0 MHz Sweep 12.00 ms (1001 pts)

W/F	MODE	TRIG	SL	X	Y	FUNCTION	FUNCTION VALUE	FUNCTION VALUE
1	N	t		770.0 μs	8.34 dBm			
2	Δ1	t	(Δ)	3.010 ms (Δ)	8.75 dB			
3	Δ1	t	(Δ)	7.030 ms (Δ)	0.79 dB			
4								
5								
6								
7								
8								
9								
10								
11								

Auto

CF Stop 8.000000 MHz

Freq Offset 0 Hz

Agilent Spectrum Analyzer - Setup SA

Center Freq 5.230000000 GHz

Ref Offset 14.1 dB

Ref 25.00 dBm

Trig Delay 2.000 ms

Trig: Video

IF Gain: Low

Attenu: 30 dB

Span 0 Hz

Res BW 8.0 MHz

Sweep 17.00 ms (1001 pts)

Marker 1: 5.230000000 GHz, -0.05 dB

MARK	MODE	TYPE	VAL	UNIT	FUNCTION	FUNCTION W/ H	FUNCTION VALUE
1	N	t	5.590	ms			9.90 dBm
2	A1	t (A)	3.000	ms (A)			4.20 dB
3	A1	t (A)	7.020	ms (A)			-0.05 dB

Agilent Spectrum Analyzer - Sweep SA

Center Freq 5.75500000 GHz

Ref Offset 14.26 dB

Ref 25.00 dBm

Span 0 Hz

Res BW 100 kHz

#VBW 1.0 MHz

Sweep 100.0 ms (1001 pts)

Frequency

Auto Tun

Center Freq 5.75500000 GHz

Start Freq 5.75500000 GHz

Stop Freq 5.75500000 GHz

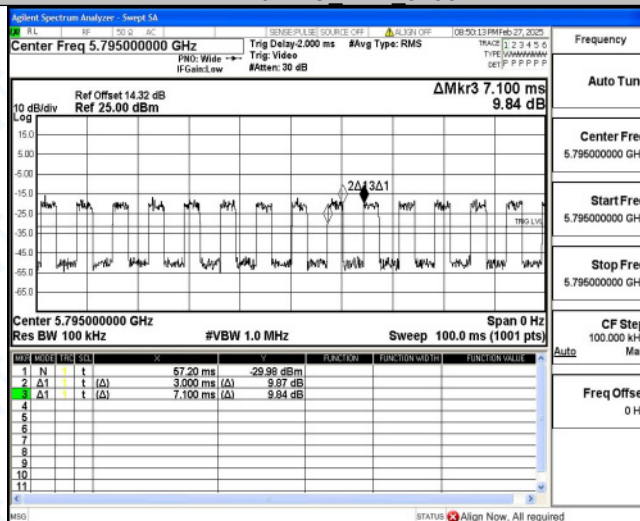
CF Stop 100.000 kHz

Freq Offset 0 Hz

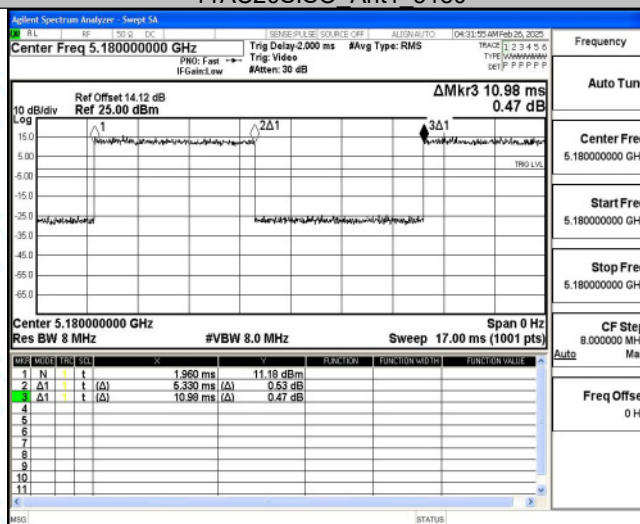
W	M	MODE	TRIG	S	L	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N		t			43.00 ms	-30.29 dBm			
2	A1		t	(A)		3.000 ms	6.64 dB			
3	A1		t	(A)		7.100 ms	9.56 dB			



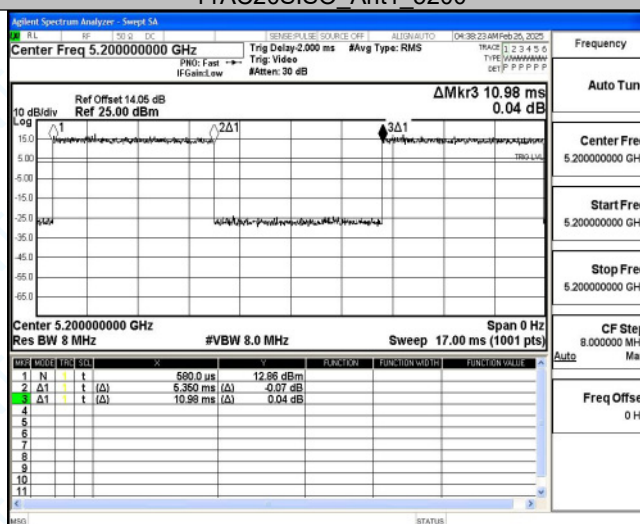
11N40SISO Ant1 5795



11AC20SISO Ant1 5180

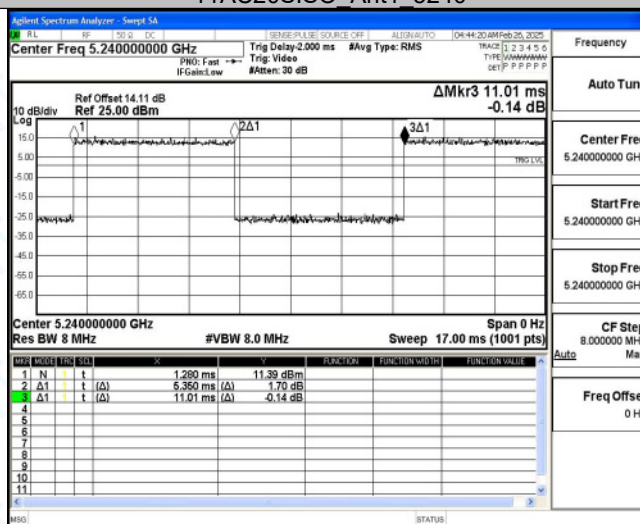


11AC20SISO Ant1 5200

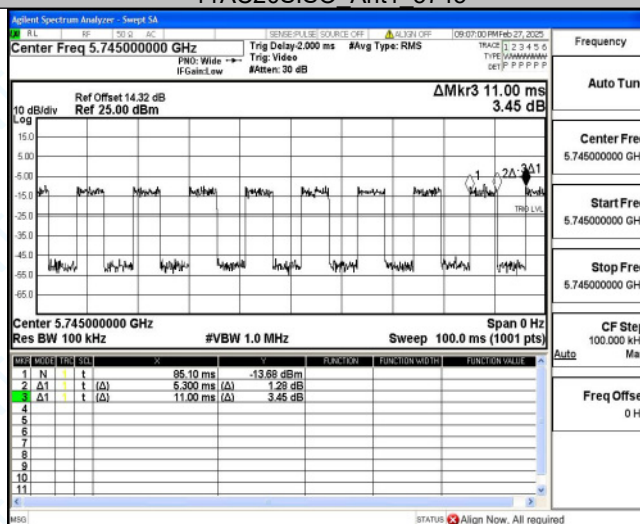




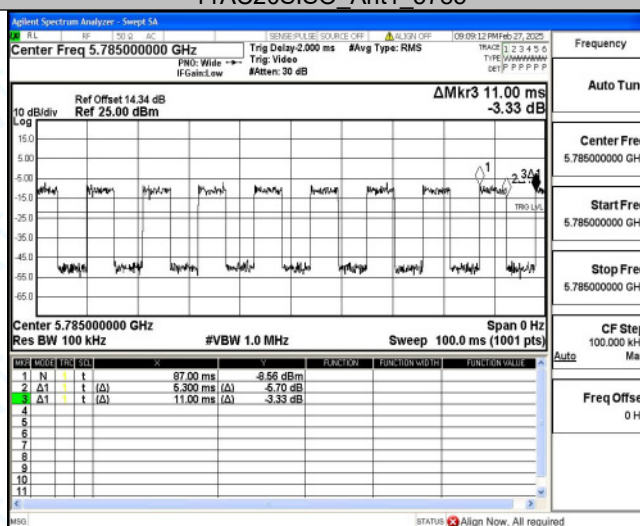
11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5745

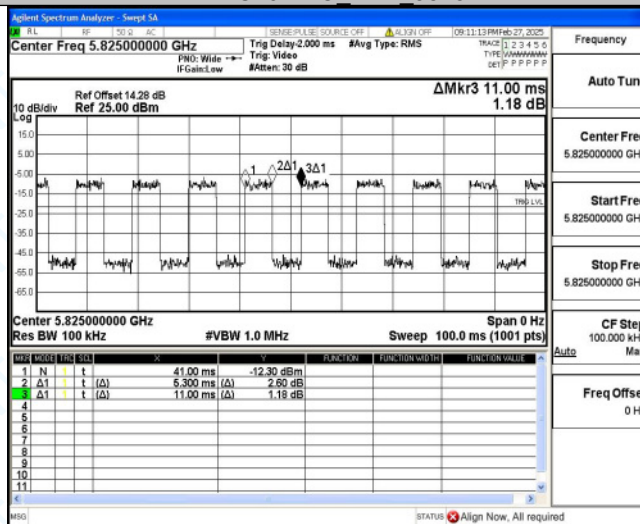


11AC20SISO_Ant1_5785

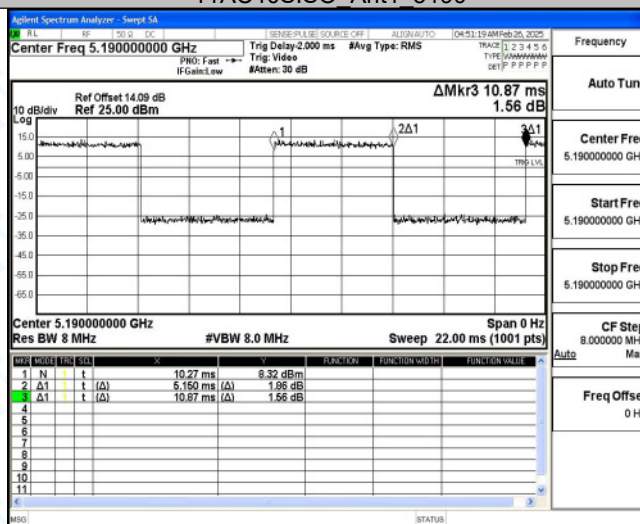




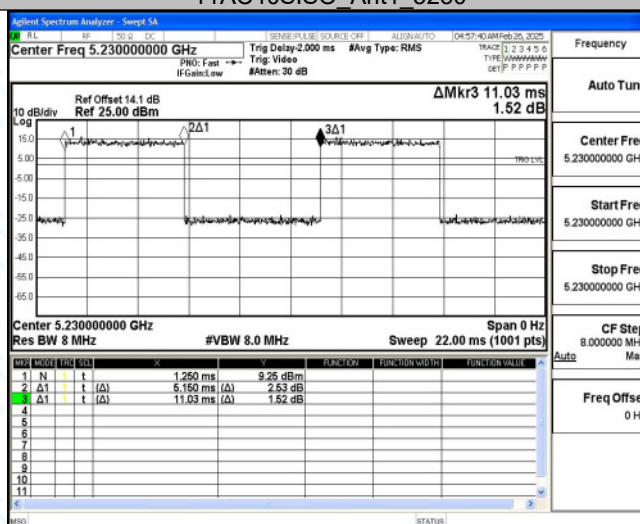
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5190

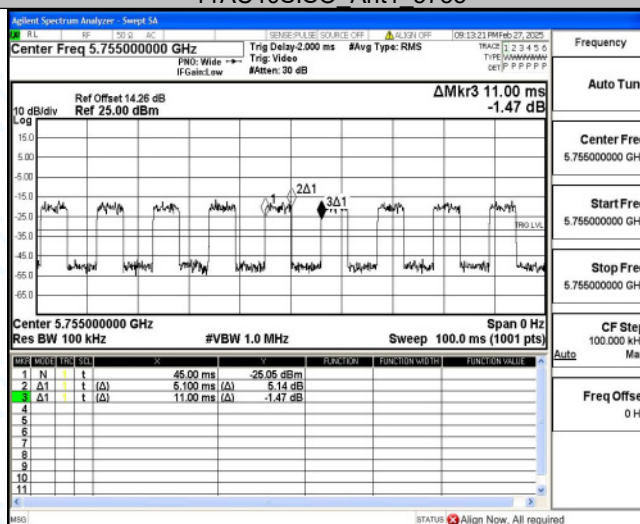


11AC40SISO_Ant1_5230

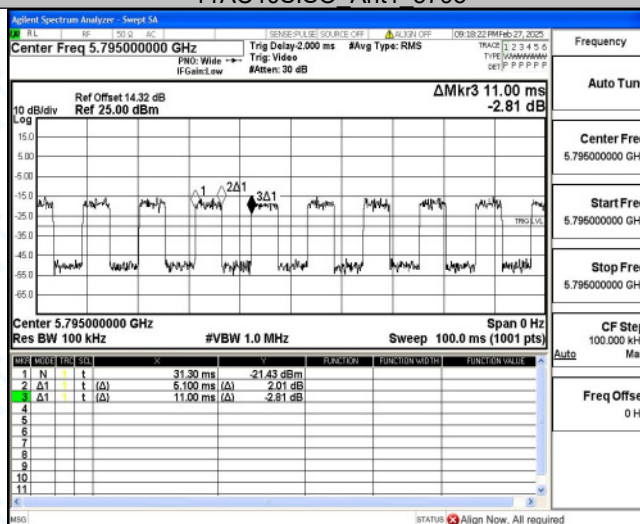




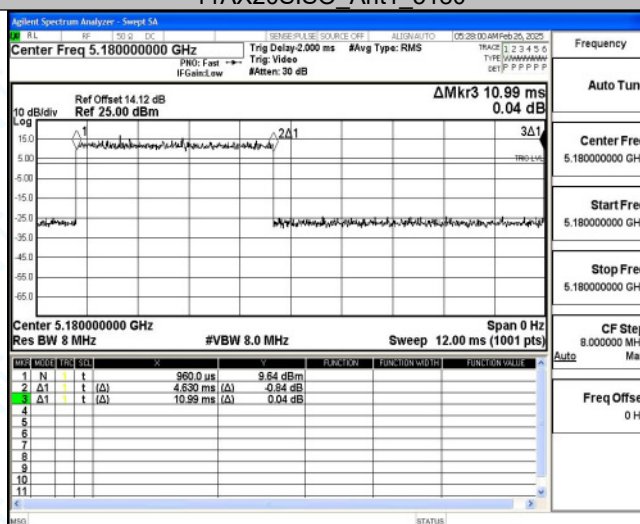
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AX20SISO_Ant1_5180





Reflex Spectrum Analyzer - Swept SA

Center Freq 5.200000000 GHz

Trig Delay: 2.000 ms #Avg Type: RMS

PHO: Fast IF Gain: Low #atten: 30 dB

Ref Offset 14.05 dB
Ref 25.00 dBm

ΔMkr3 11.03 ms
0.30 dB

10 dB/div
Log

15.0
10.0
5.0
-5.0
-15.0
-25.0
-35.0
-45.0
-55.0

Center 5.200000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 17.00 ms (1001 pts)

MEAS	NAME	UNIT	VAL	FUNCTION	FUNCTION VALUE 1	FUNCTION VALUE 2
1	N	t	820.0 μs		11.04 dBm	
2	Δ1	t (Δ)	4.620 ms (Δ)		-1.47 dB	
3	Δ1	t (Δ)	11.03 ms (Δ)		0.30 dB	
4						
5						
6						
7						
8						
9						
10						
11						

[illegible]

Agilent Spectrum Analyzer - Sweep SA

Center Freq 5.745000000 GHz

Trig Delay 2.000 ms #Avg Type: RMS

Ref Offset 14.32 dB

Ref 25.00 dBm

ΔMkr3 11.00 ms

-0.52 dB

Center Freq 5.745000000 GHz

Res BW 100 kHz

#VBW 1.0 MHz

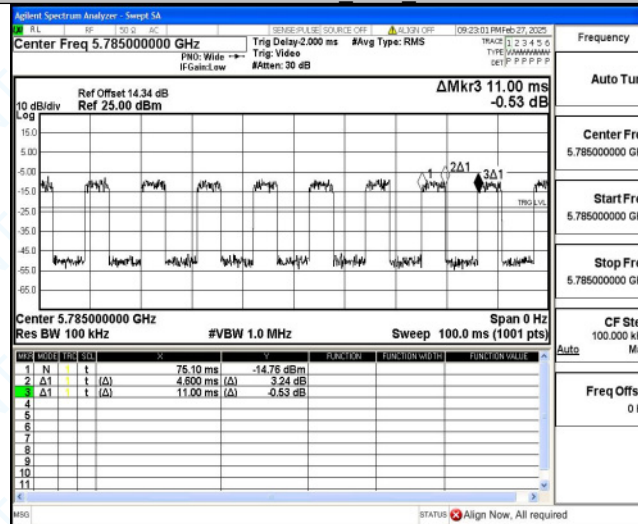
Sweep 100.0 ms (1001 pts)

Span 0 Hz

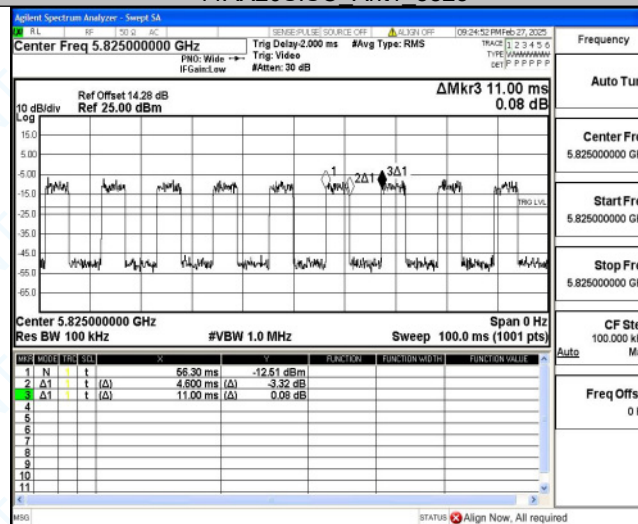
MWR INDEX	FREQ	SOL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	t	1.400 ms	-14.38 dBm			
2	Δ1	t	4.800 ms	1.88 dB			
3	Δ1	t	11.00 ms	-0.52 dB			



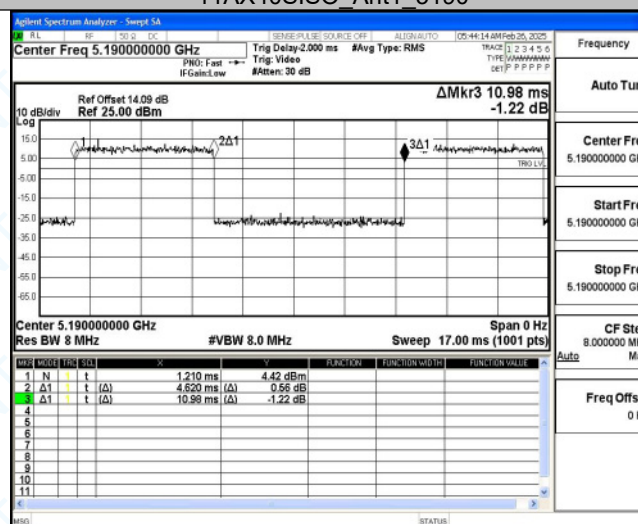
11AX20SISO Ant1 5785



11AX20SISO Ant1 5825

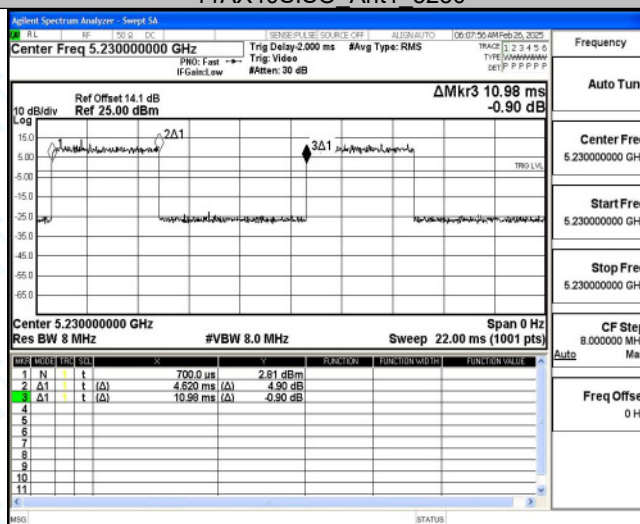


11AX40SISO Ant1 5190

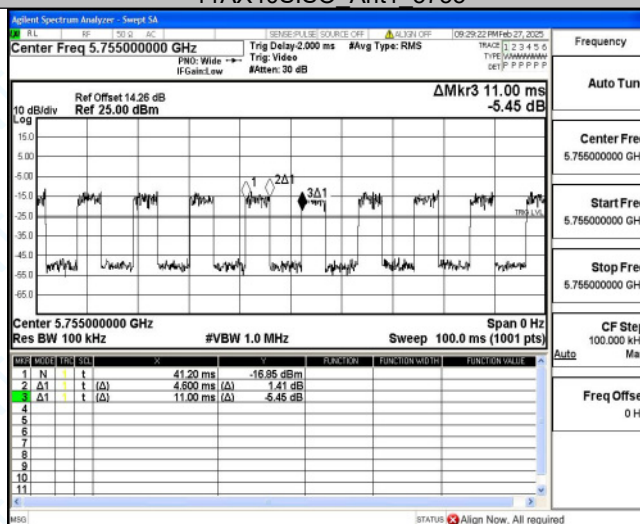




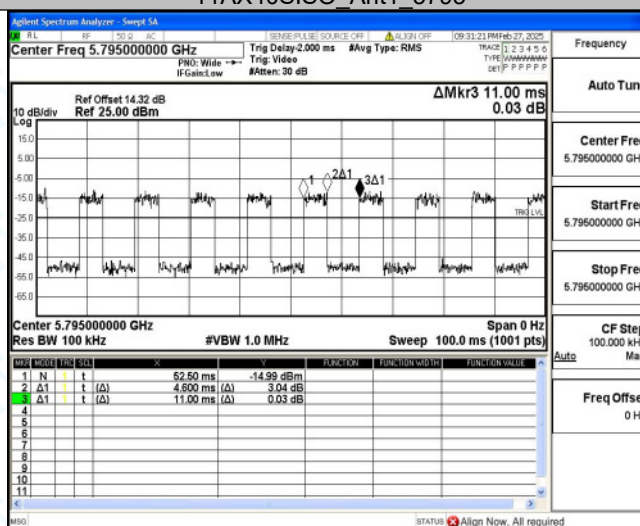
11AX40SISO_Ant1_5230



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



**Appendix B: 26dB Emission Bandwidth****Test Result**

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	21.600	5169.280	5190.880	---	---
		5200	21.360	5189.200	5210.560	---	---
		5240	21.480	5229.120	5250.600	---	---
		5745	21.600	5734.000	5755.600	---	---
		5785	21.000	5774.480	5795.480	---	---
		5825	21.520	5814.160	5835.680	---	---
11N20SISO	Ant1	5180	21.560	5169.320	5190.880	---	---
		5200	21.920	5188.960	5210.880	---	---
		5240	21.520	5229.280	5250.800	---	---
		5745	21.560	5734.200	5755.760	---	---
		5785	21.600	5774.000	5795.600	---	---
		5825	21.760	5814.160	5835.920	---	---
11N40SISO	Ant1	5190	44.400	5169.840	5214.240	---	---
		5230	40.400	5209.760	5250.160	---	---
		5755	40.400	5734.840	5775.240	---	---
		5795	40.000	5774.840	5814.840	---	---
11AC20SISO	Ant1	5180	20.320	5169.920	5190.240	---	---
		5200	19.960	5190.080	5210.040	---	---
		5240	20.320	5229.760	5250.080	---	---
		5745	21.880	5733.960	5755.840	---	---
		5785	21.840	5773.960	5795.800	---	---
		5825	21.760	5813.960	5835.720	---	---
11AC40SISO	Ant1	5190	38.960	5170.560	5209.520	---	---
		5230	40.960	5209.440	5250.400	---	---
		5755	40.400	5734.680	5775.080	---	---
		5795	40.080	5775.080	5815.160	---	---
11AX20SISO	Ant1	5180	22.000	5169.160	5191.160	---	---
		5200	21.600	5189.360	5210.960	---	---
		5240	22.120	5229.200	5251.320	---	---
		5745	22.240	5733.680	5755.920	---	---
		5785	22.240	5773.960	5796.200	---	---
		5825	21.760	5814.120	5835.880	---	---
11AX40SISO	Ant1	5190	40.480	5169.680	5210.160	---	---
		5230	40.640	5209.840	5250.480	---	---
		5755	40.320	5734.840	5775.160	---	---
		5795	40.560	5774.840	5815.400	---	---

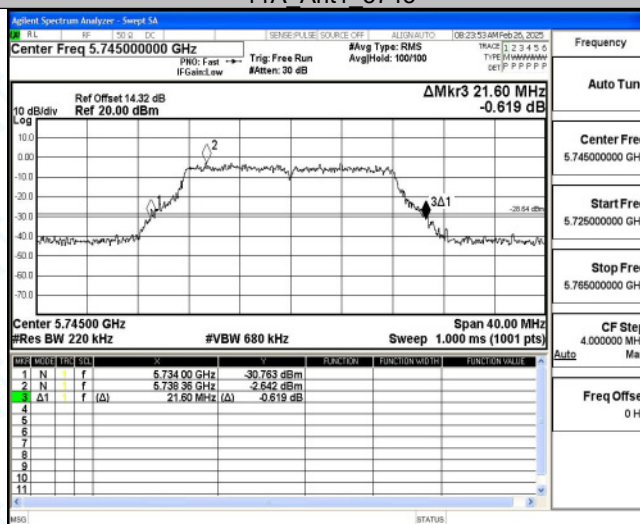


11A Ant1 5180

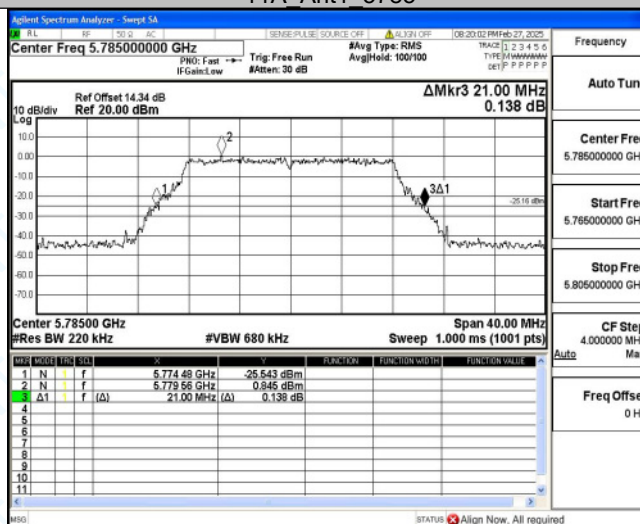




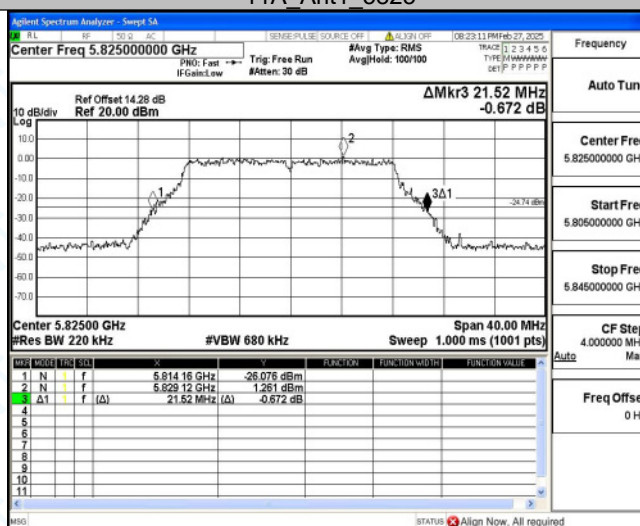
11A Ant1 5745



11A Ant1 5785

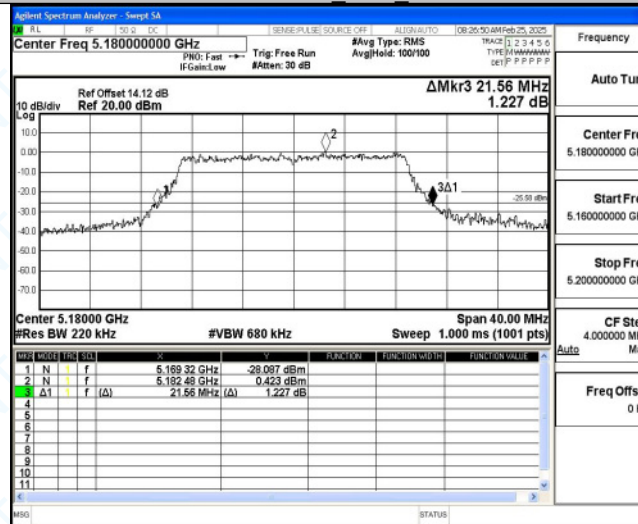


11A Ant1 5825

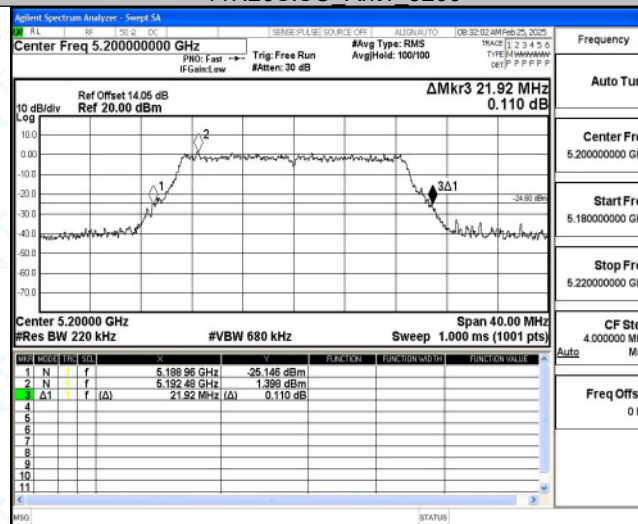




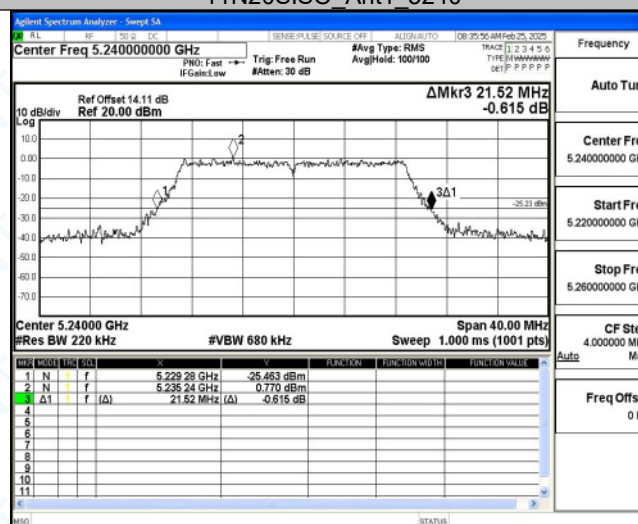
11N20SISO Ant1 5180



11N20SISO Ant1 5200

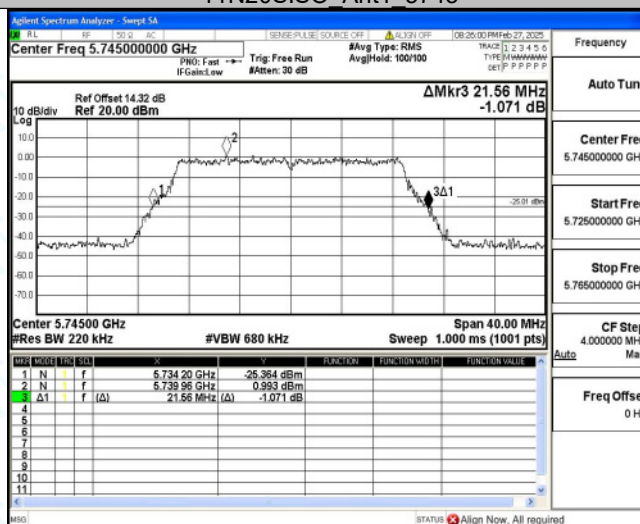


11N20SISO Ant1 5240

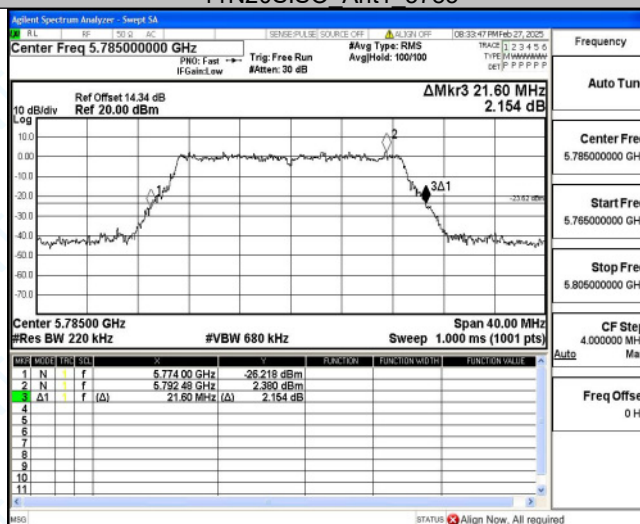




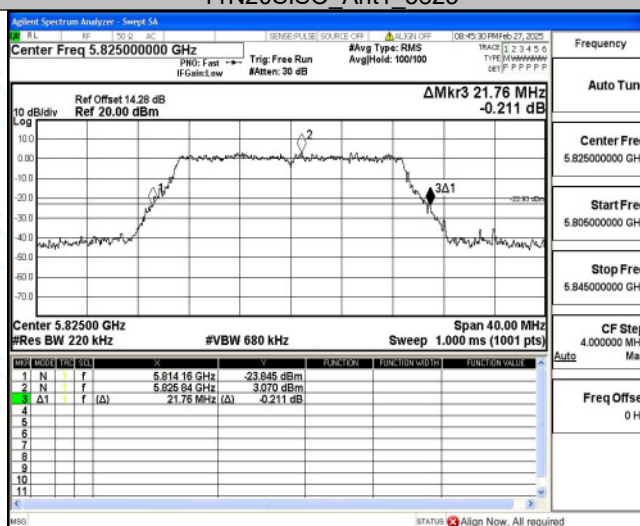
11N20SISO Ant1 5745



11N20SISO Ant1 5785

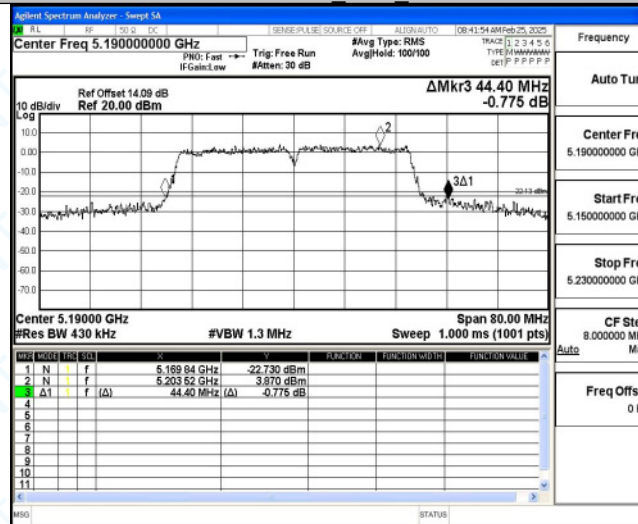


11N20SISO Ant1 5825

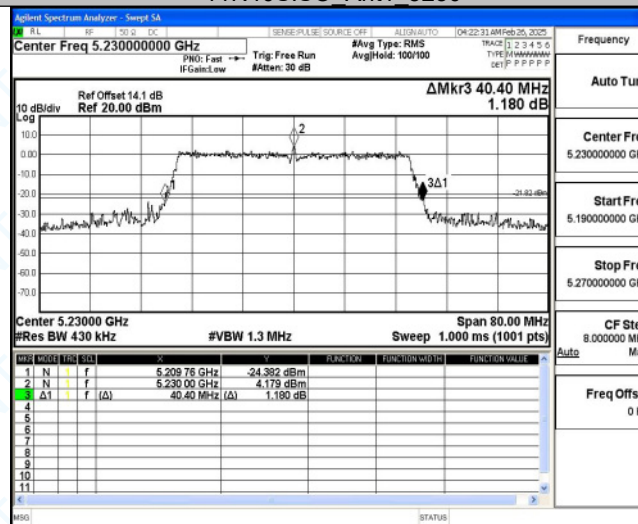




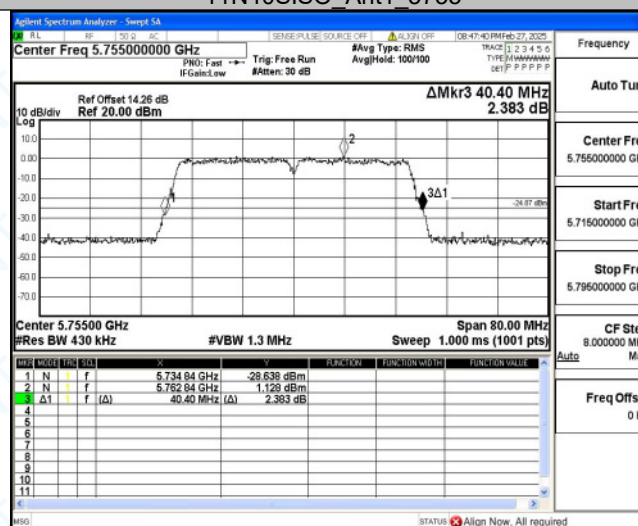
11N40SISO Ant1 5190



11N40SISO Ant1 5230

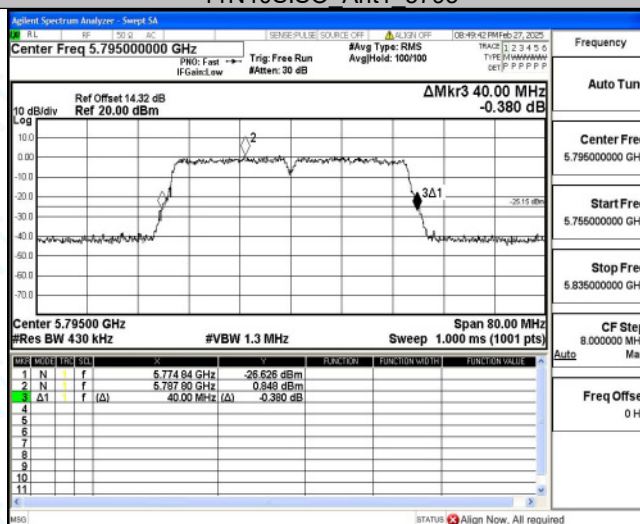


11N40SISO Ant1 5755

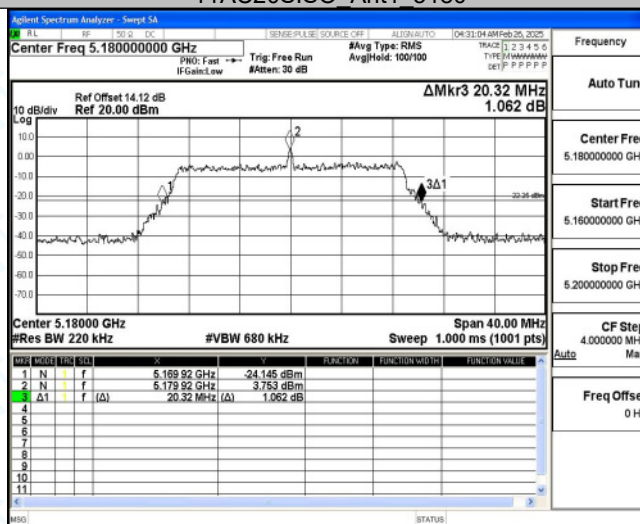




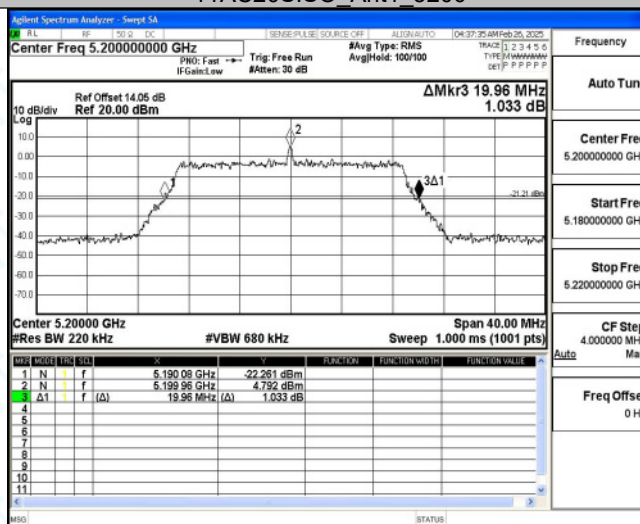
11N40SISO Ant1 5795



11AC20SISO Ant1 5180

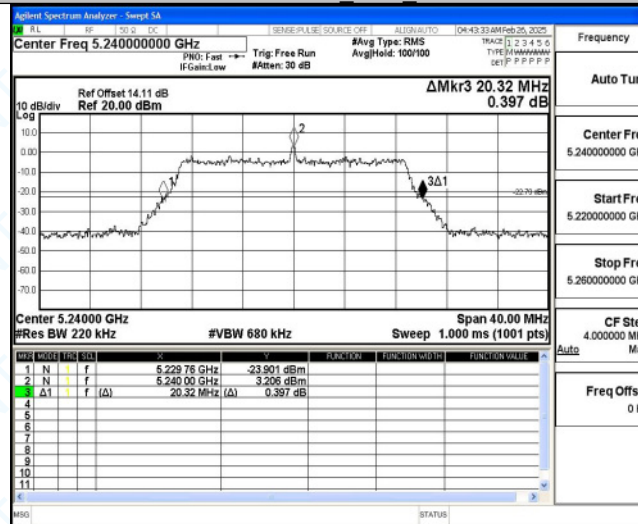


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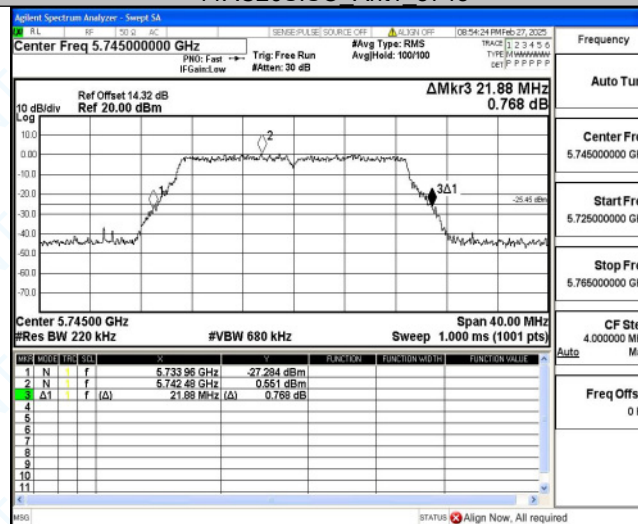




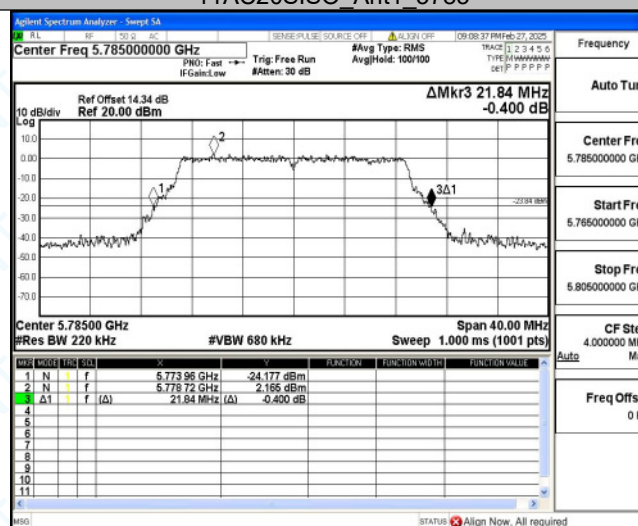
11AC20SISO Ant1 5240



11AC20SISO Ant1 5745

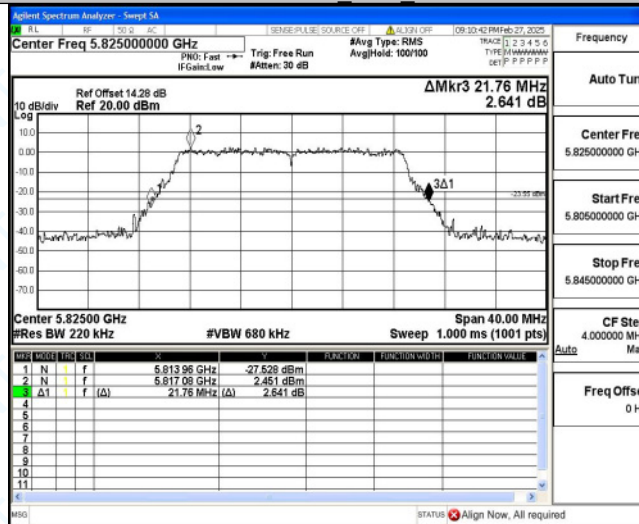


11AC20SISO Ant1 5785

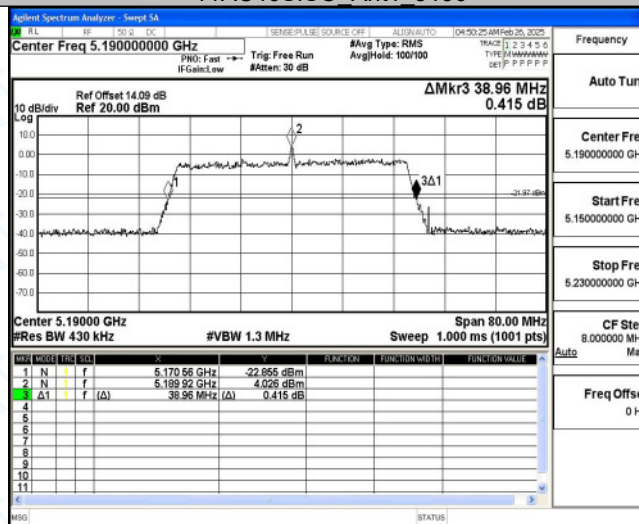




11AC20SISO Ant1 5825



11AC40SISO Ant1 5190



11AC40SISO Ant1 5230

