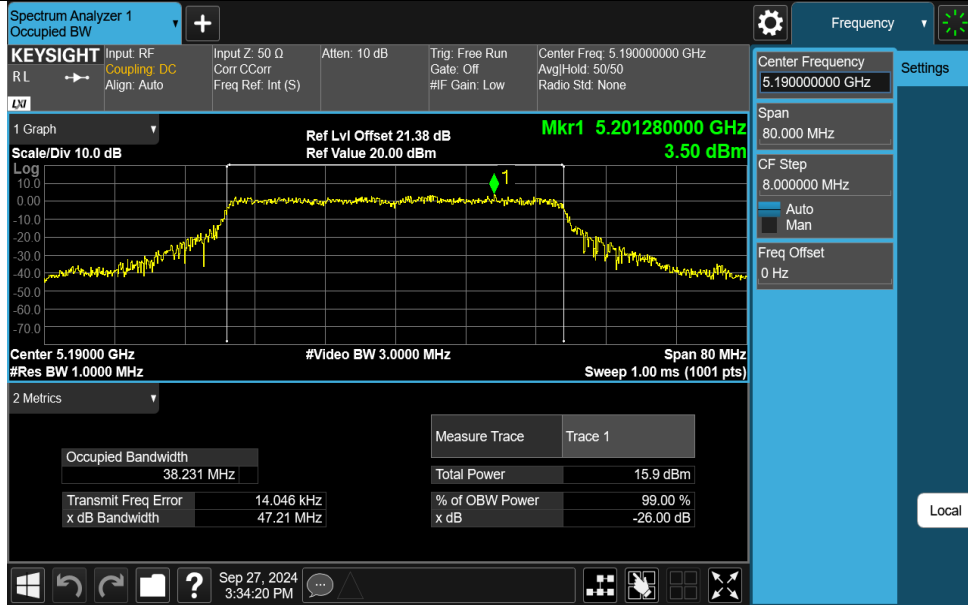
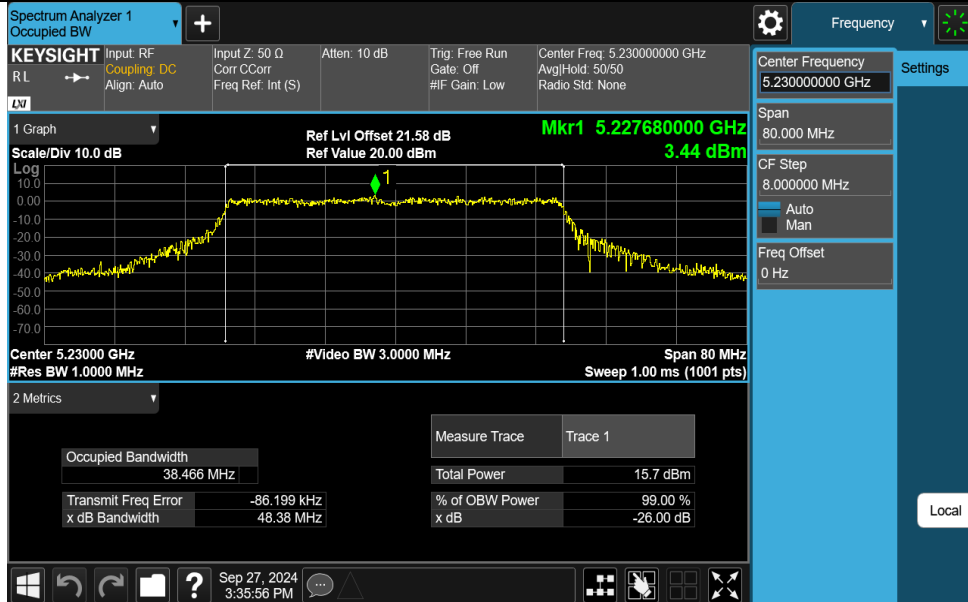


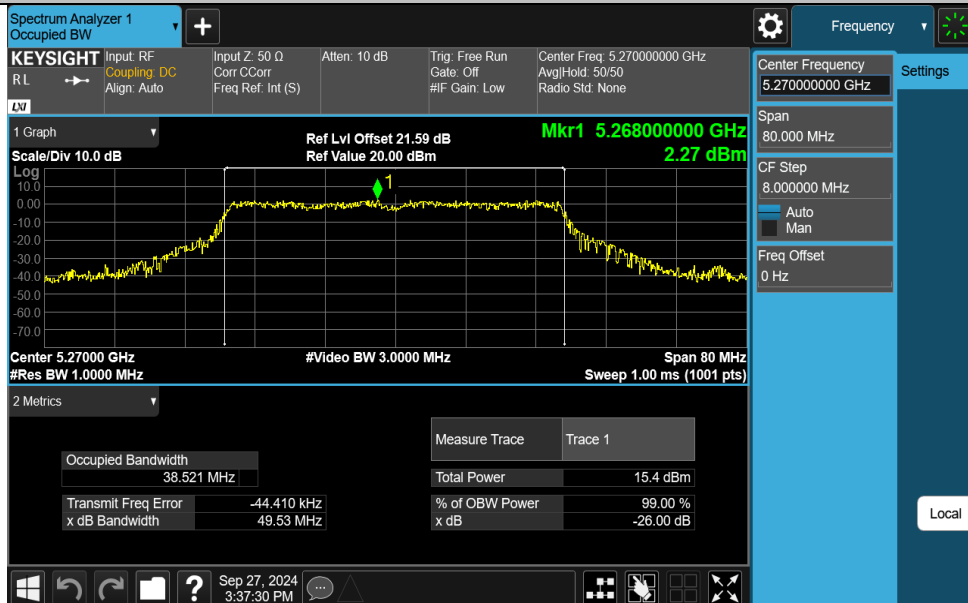
11AX40SISO-Ant1-5190



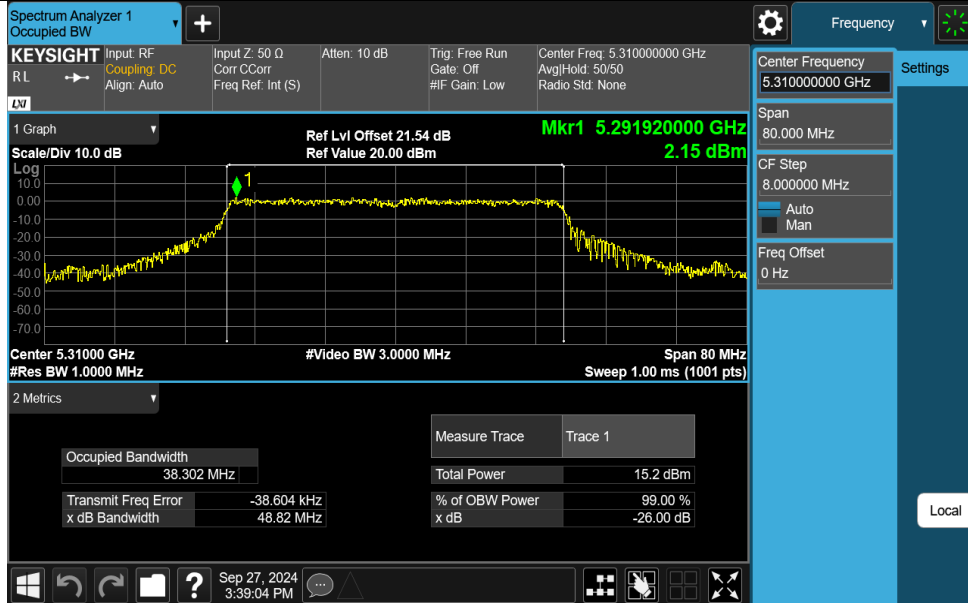
11AX40SISO-Ant1-5230



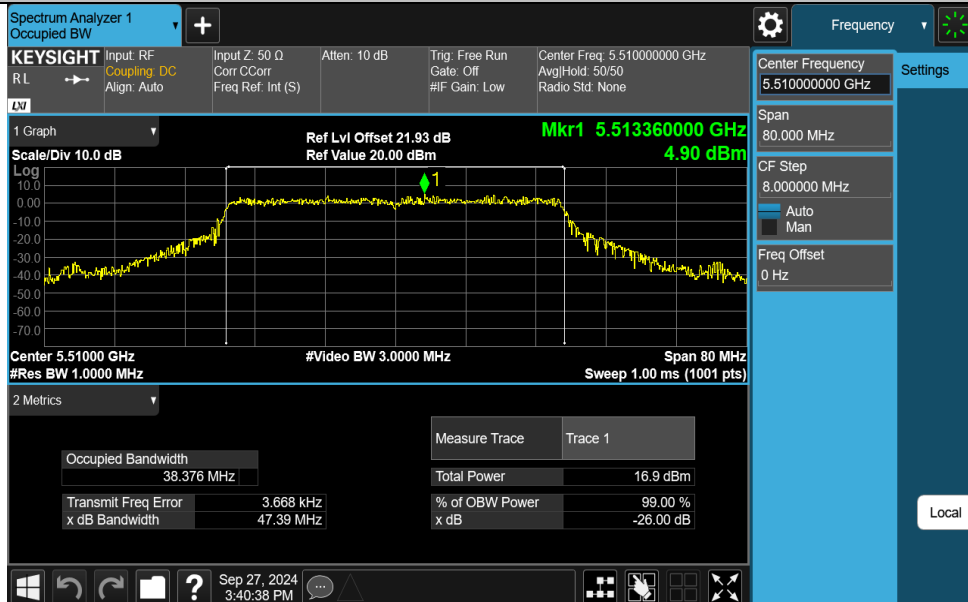
11AX40SISO-Ant1-5270



11AX40SISO-Ant1-5310



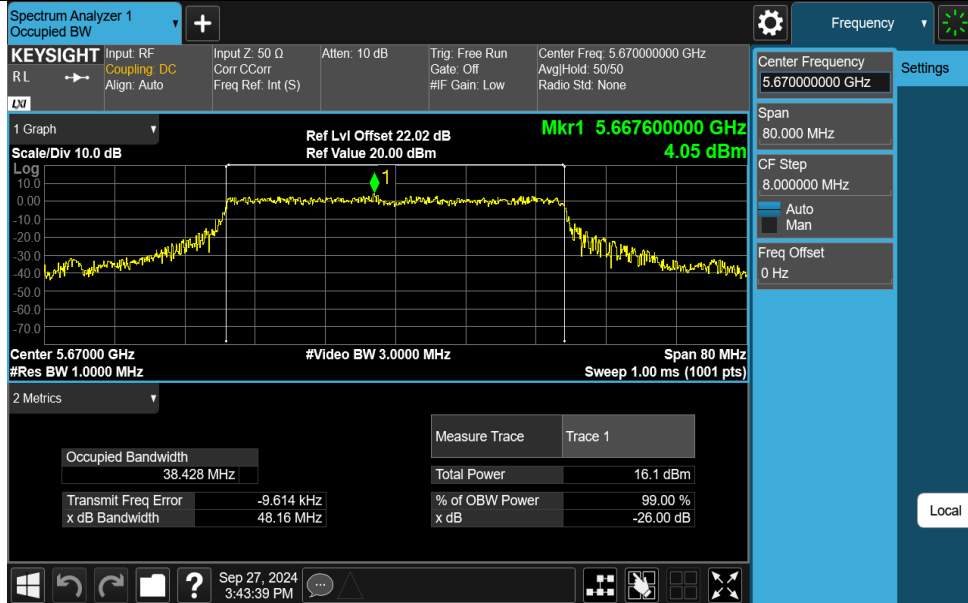
11AX40SISO-Ant1-5510



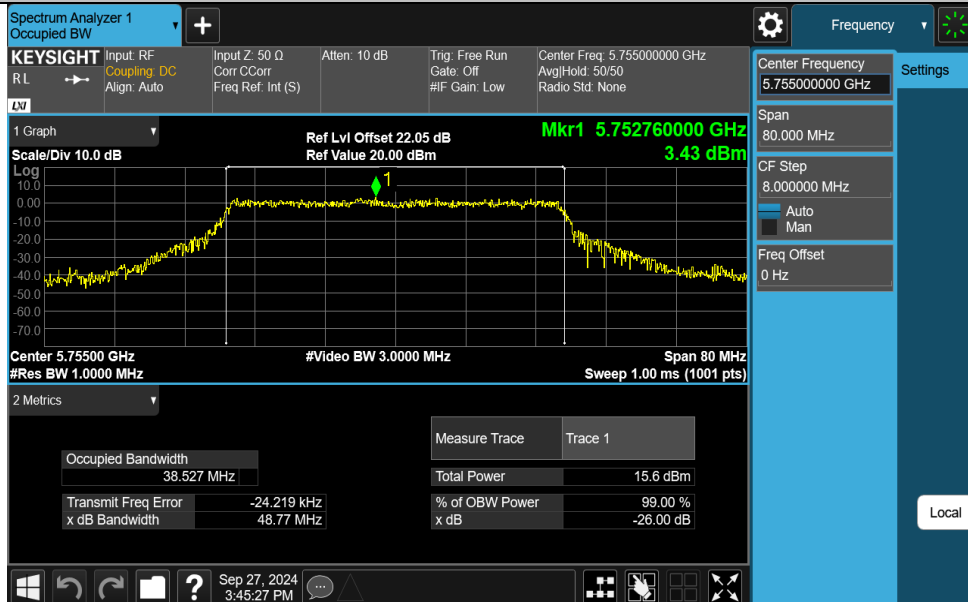
11AX40SISO-Ant1-5590



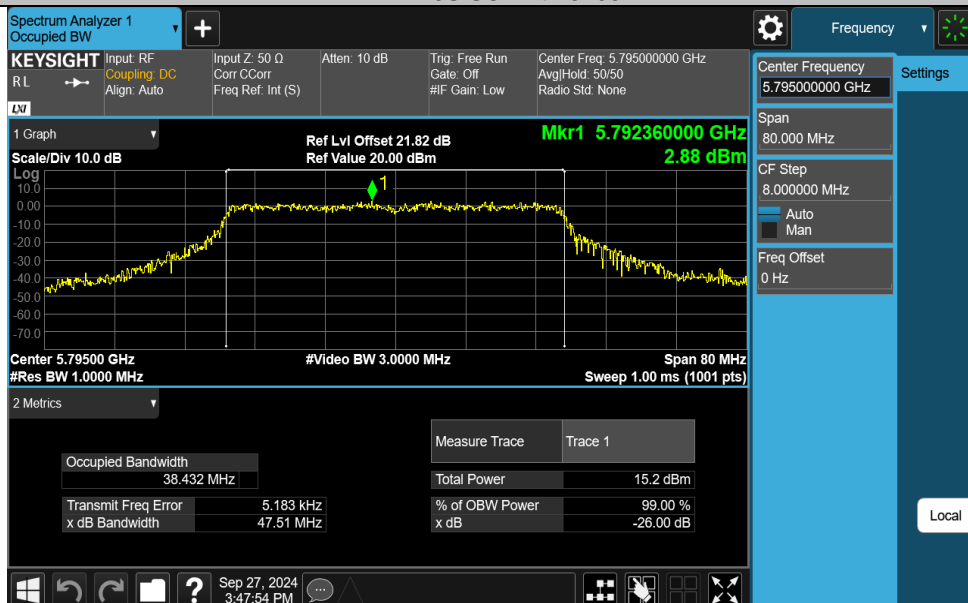
11AX40SISO-Ant1-5670



11AX40SISO-Ant1-5755



11AX40SISO-Ant1-5795



Appendix A3: Min emission bandwidth
Test Result B4

TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.400	5736.760	5753.160	0.5	PASS
11A	Ant1	5785	16.440	5776.720	5793.160	0.5	PASS
11A	Ant1	5825	16.440	5816.720	5833.160	0.5	PASS
11N20SISO	Ant1	5745	17.680	5736.160	5753.840	0.5	PASS
11N20SISO	Ant1	5785	17.640	5776.160	5793.800	0.5	PASS
11N20SISO	Ant1	5825	17.680	5816.120	5833.800	0.5	PASS
11N40SISO	Ant1	5755	36.160	5736.760	5772.920	0.5	PASS
11N40SISO	Ant1	5795	36.400	5776.760	5813.160	0.5	PASS
11AC20SISO	Ant1	5745	17.640	5736.160	5753.800	0.5	PASS
11AC20SISO	Ant1	5785	17.640	5776.120	5793.760	0.5	PASS
11AC20SISO	Ant1	5825	17.640	5816.160	5833.800	0.5	PASS
11AC40SISO	Ant1	5755	36.320	5736.840	5773.160	0.5	PASS
11AC40SISO	Ant1	5795	36.320	5776.840	5813.160	0.5	PASS
11AX20SISO	Ant1	5745	19.000	5735.480	5754.480	0.5	PASS
11AX20SISO	Ant1	5785	19.040	5775.480	5794.520	0.5	PASS
11AX20SISO	Ant1	5825	19.080	5815.440	5834.520	0.5	PASS
11AX40SISO	Ant1	5755	37.920	5735.960	5773.880	0.5	PASS
11AX40SISO	Ant1	5795	38.080	5775.880	5813.960	0.5	PASS

Test Graphs B4

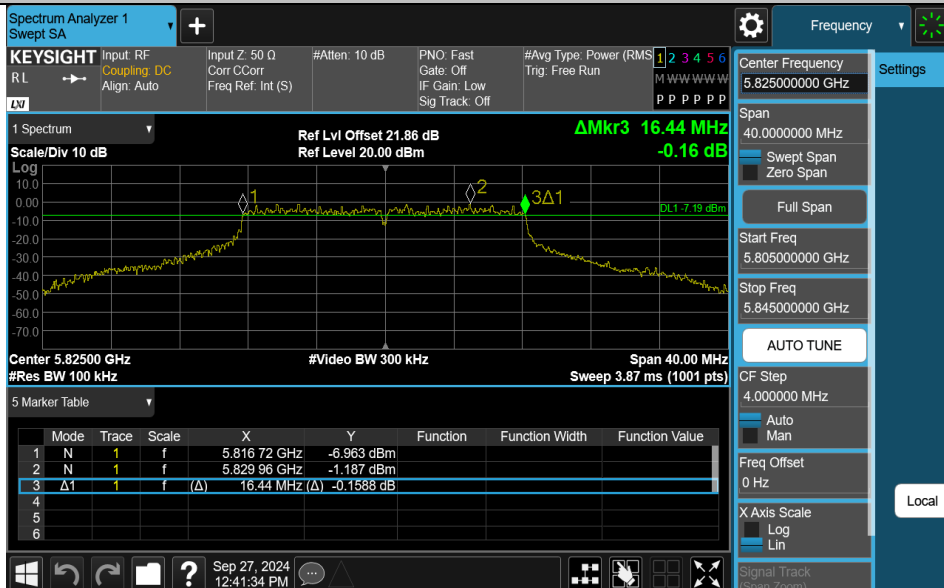
11A-Ant1-5745-PASS

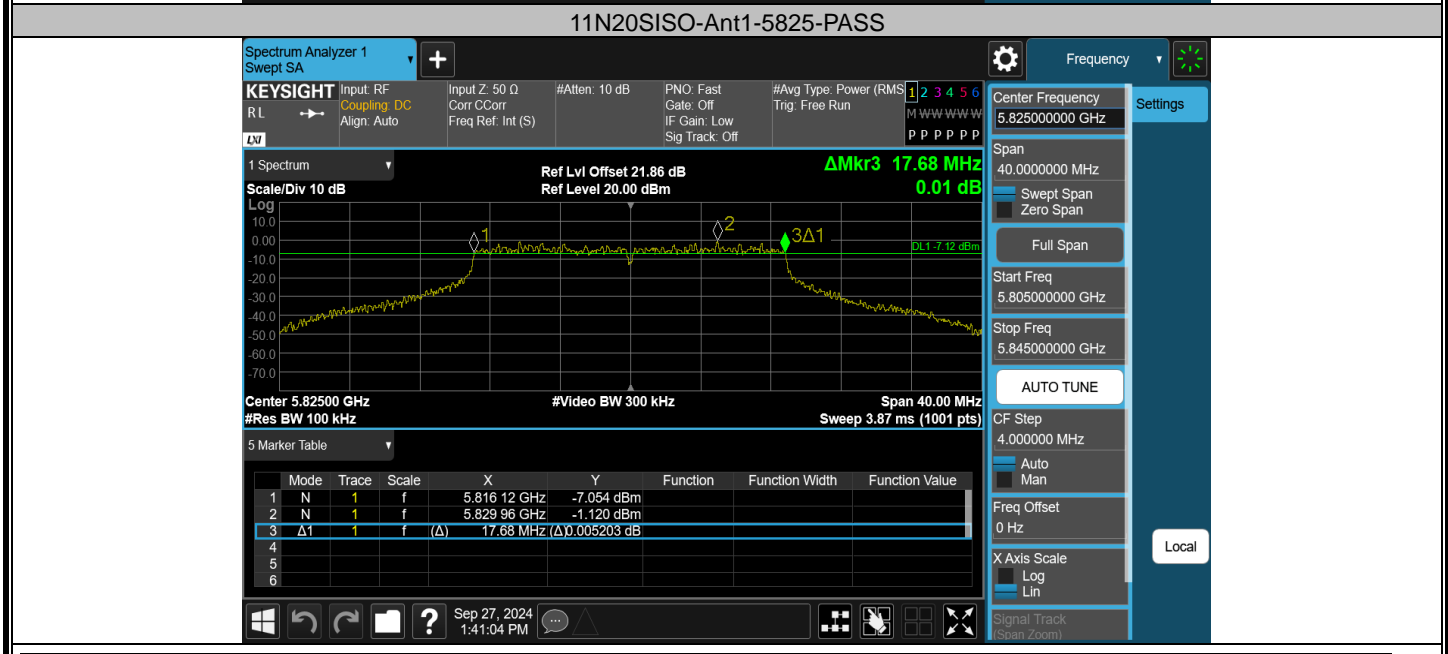
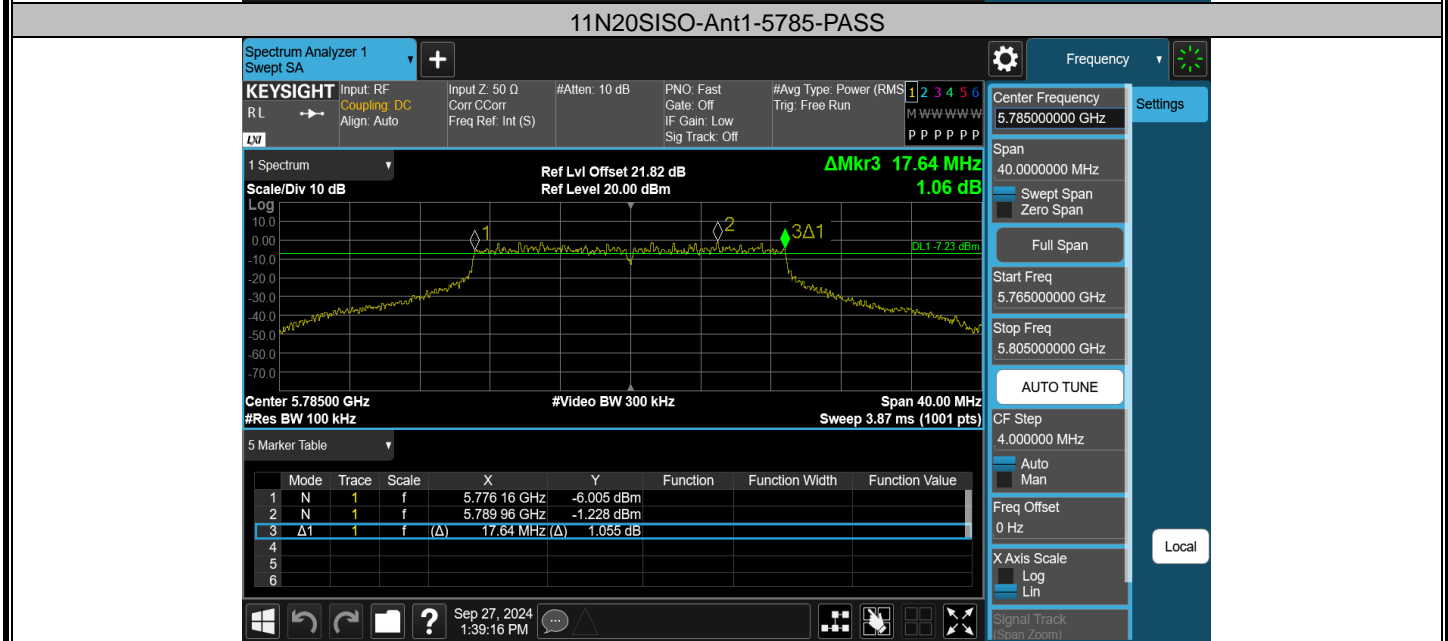
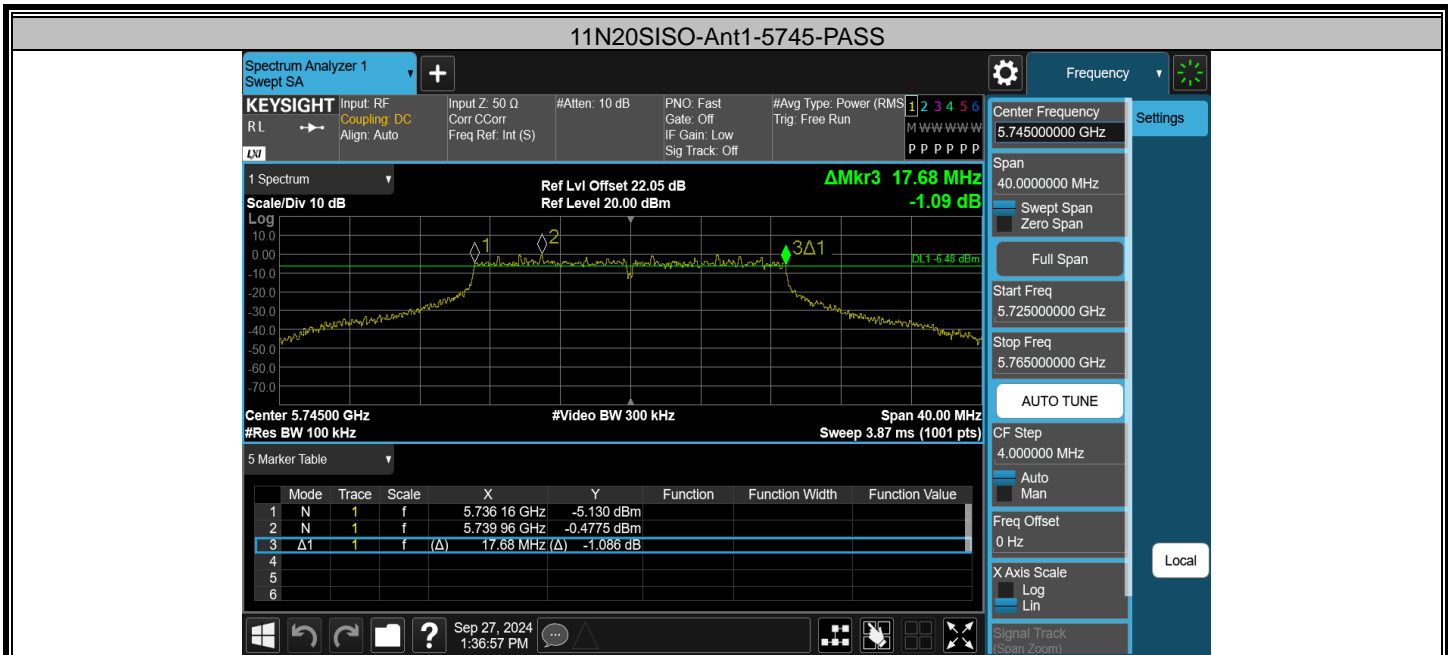


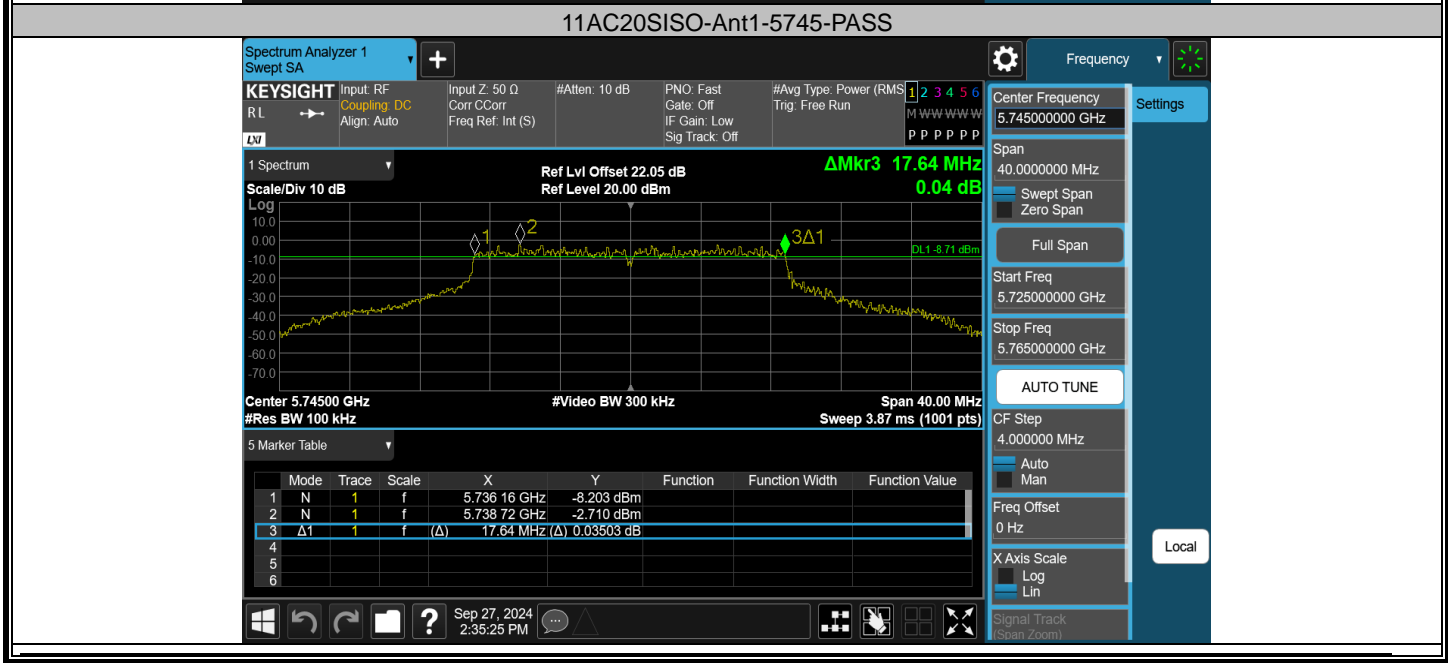
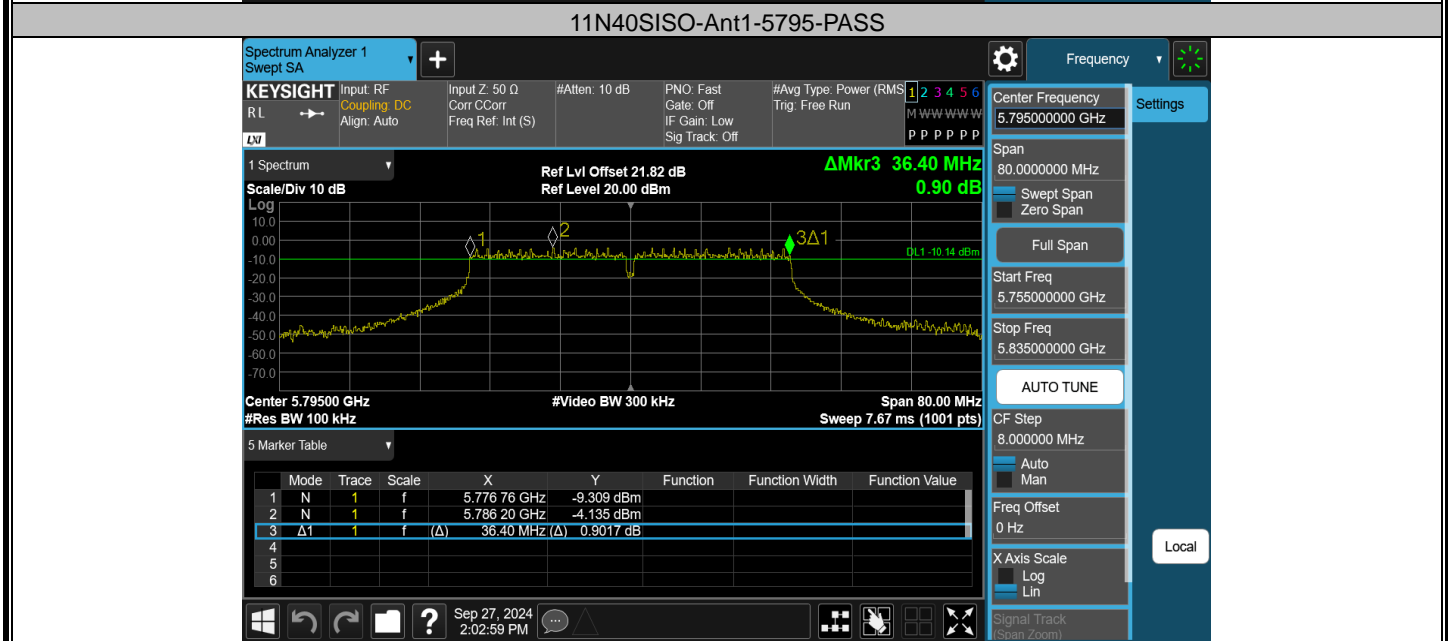
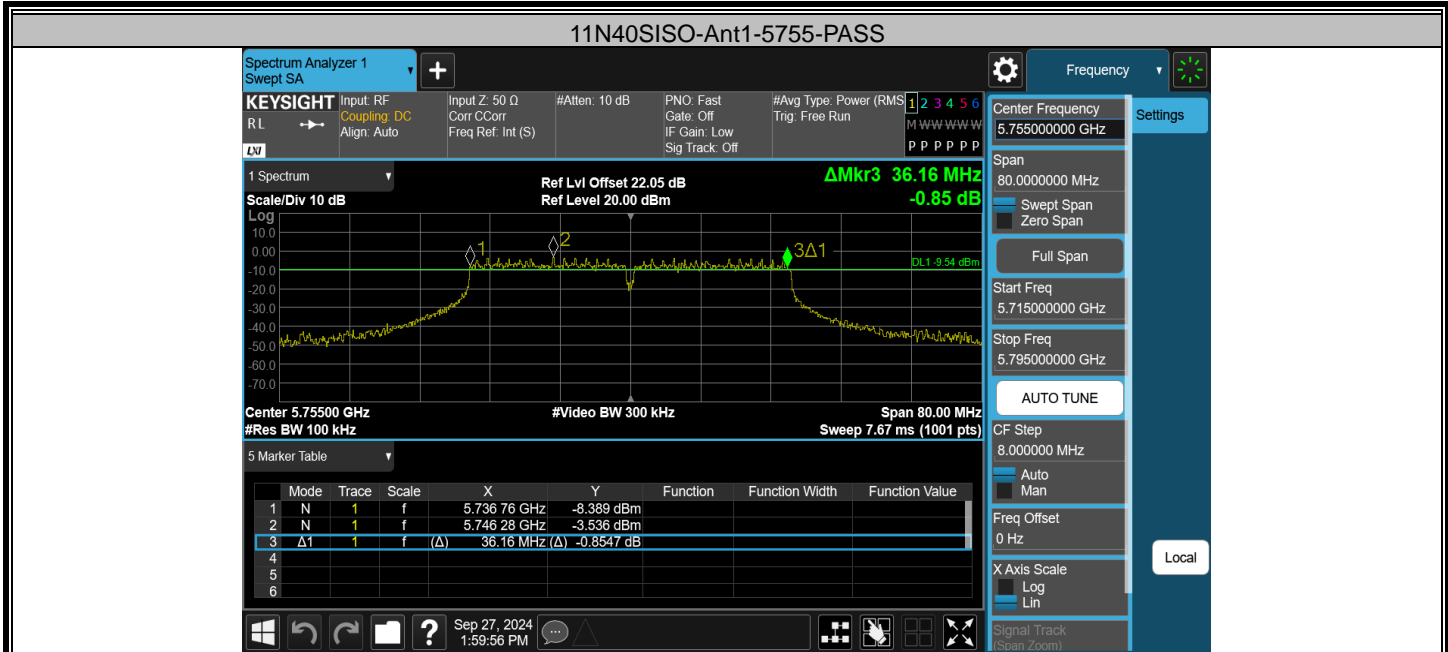
11A-Ant1-5785-PASS

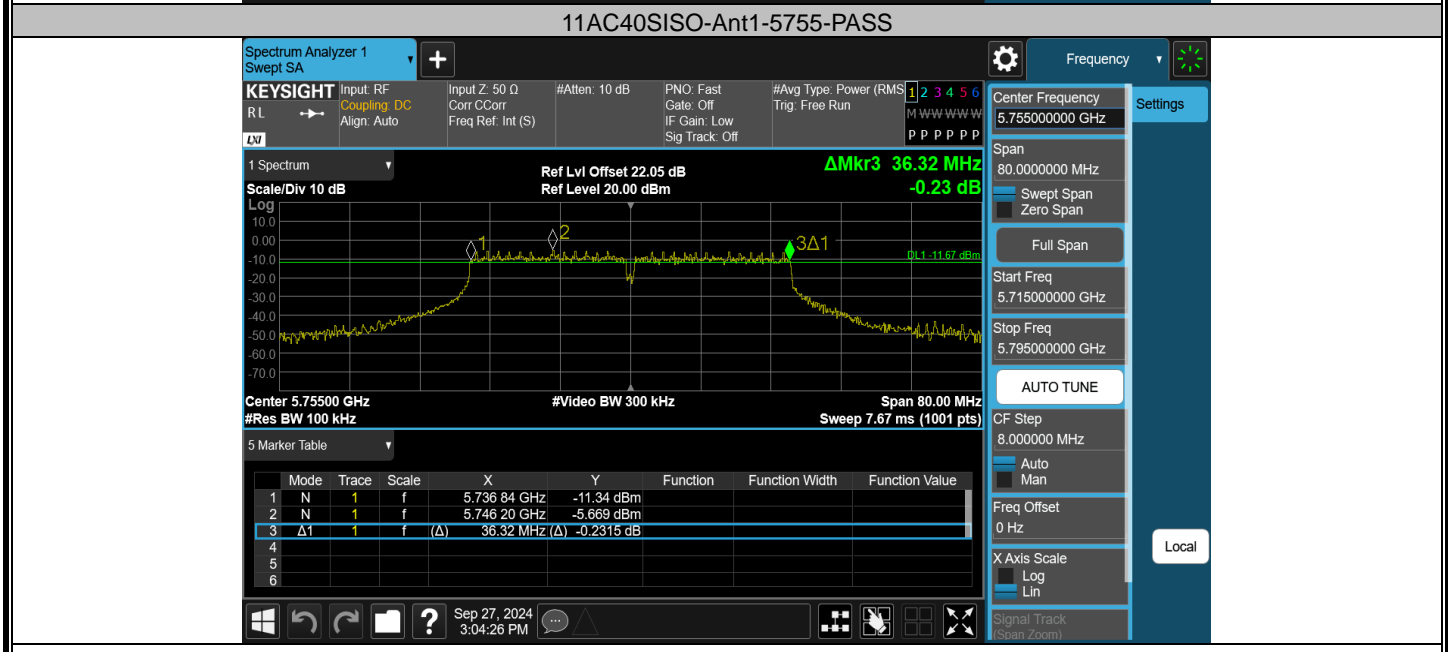
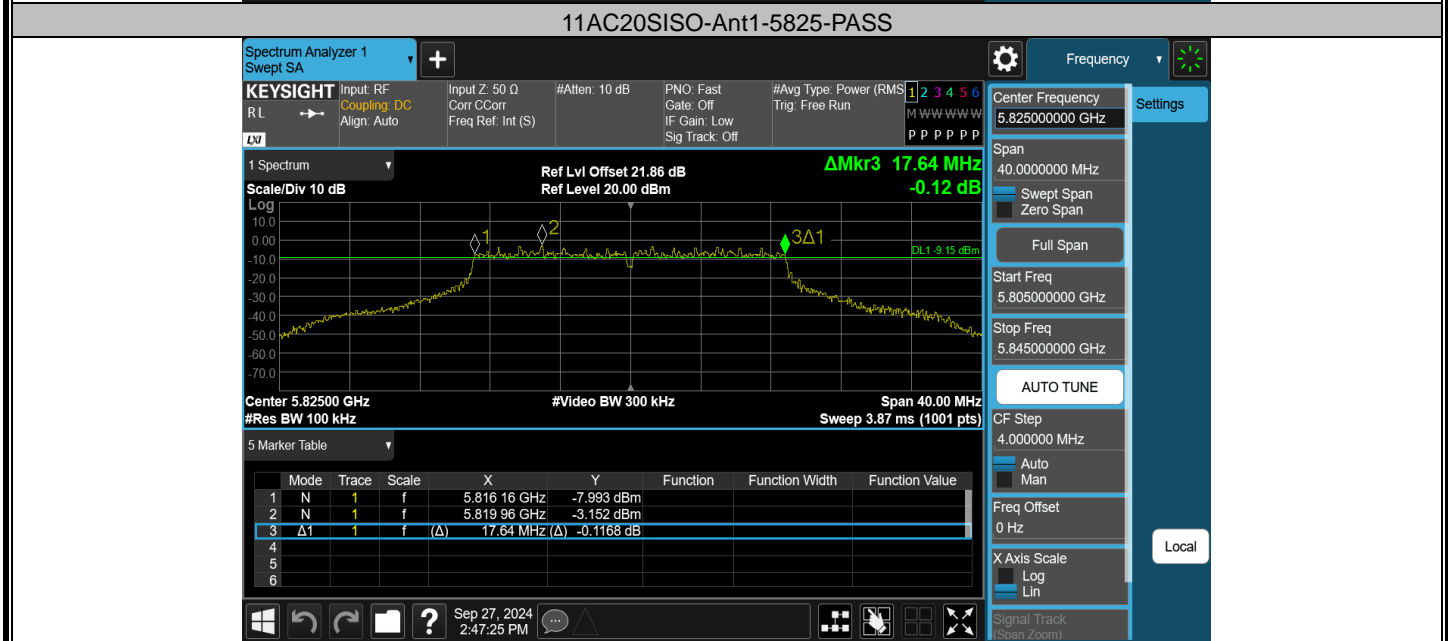
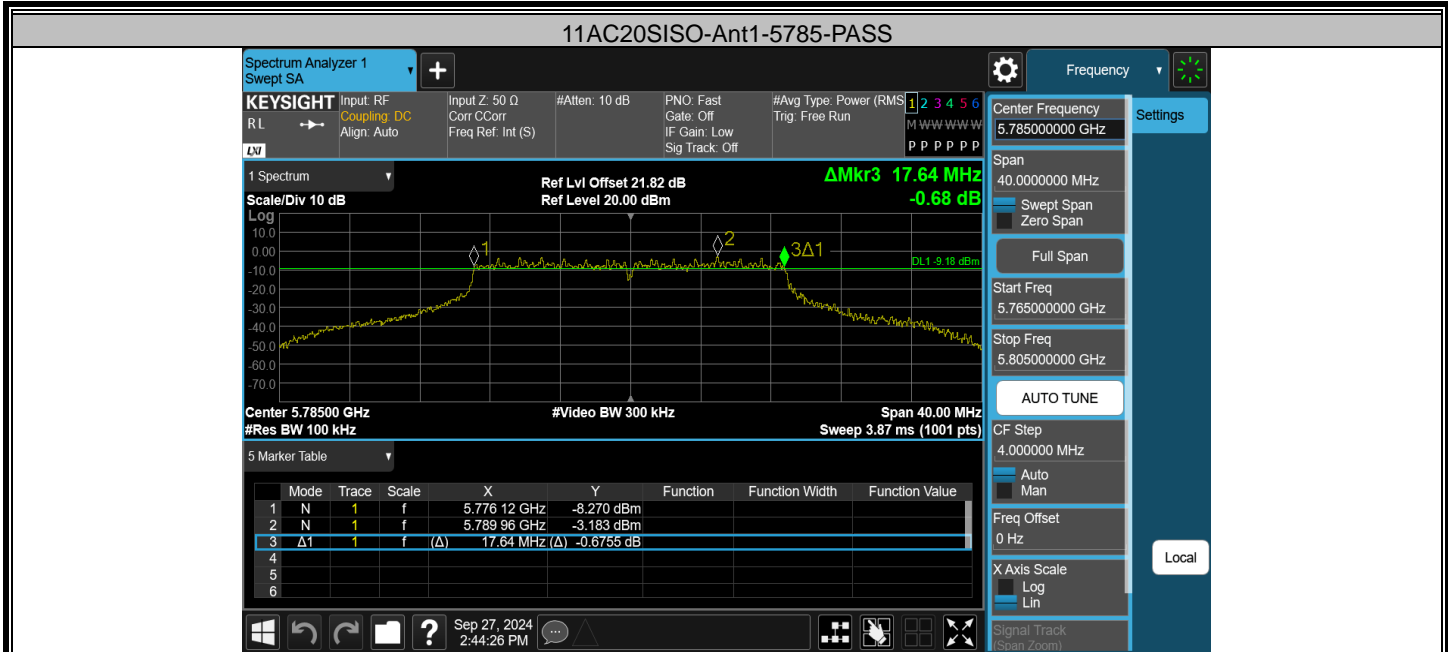


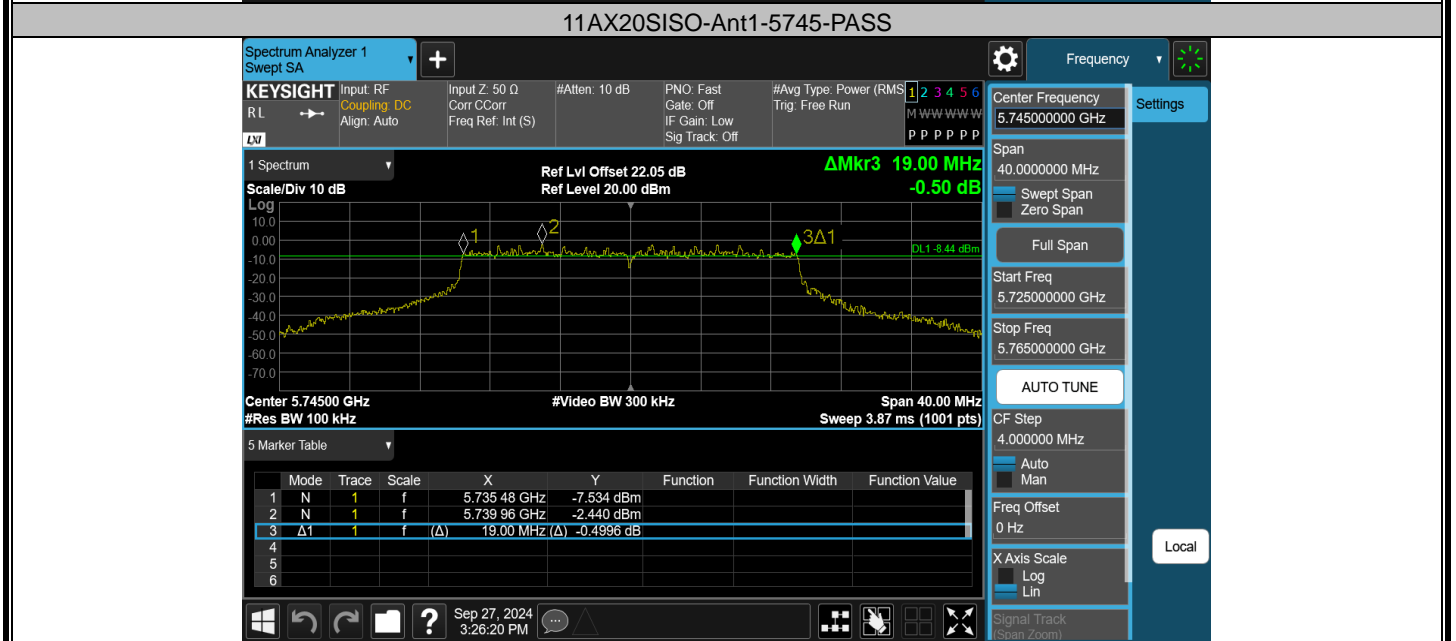
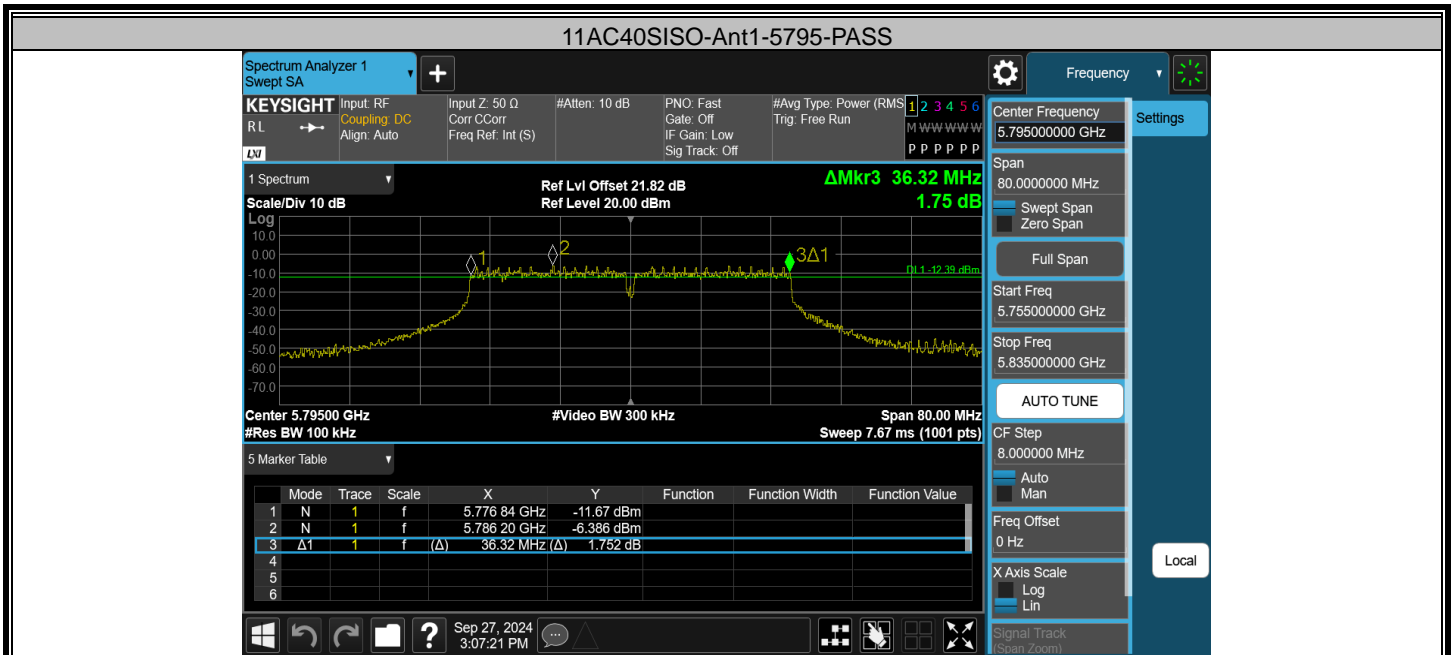
11A-Ant1-5825-PASS

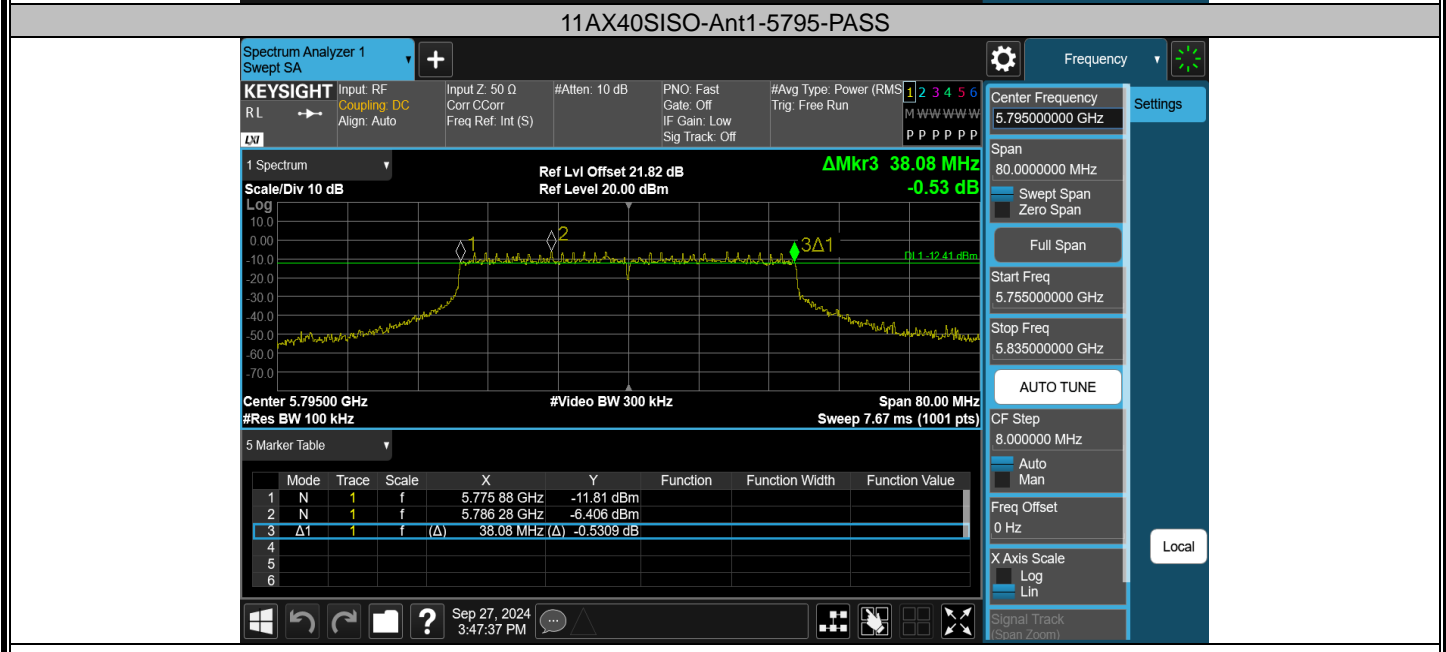
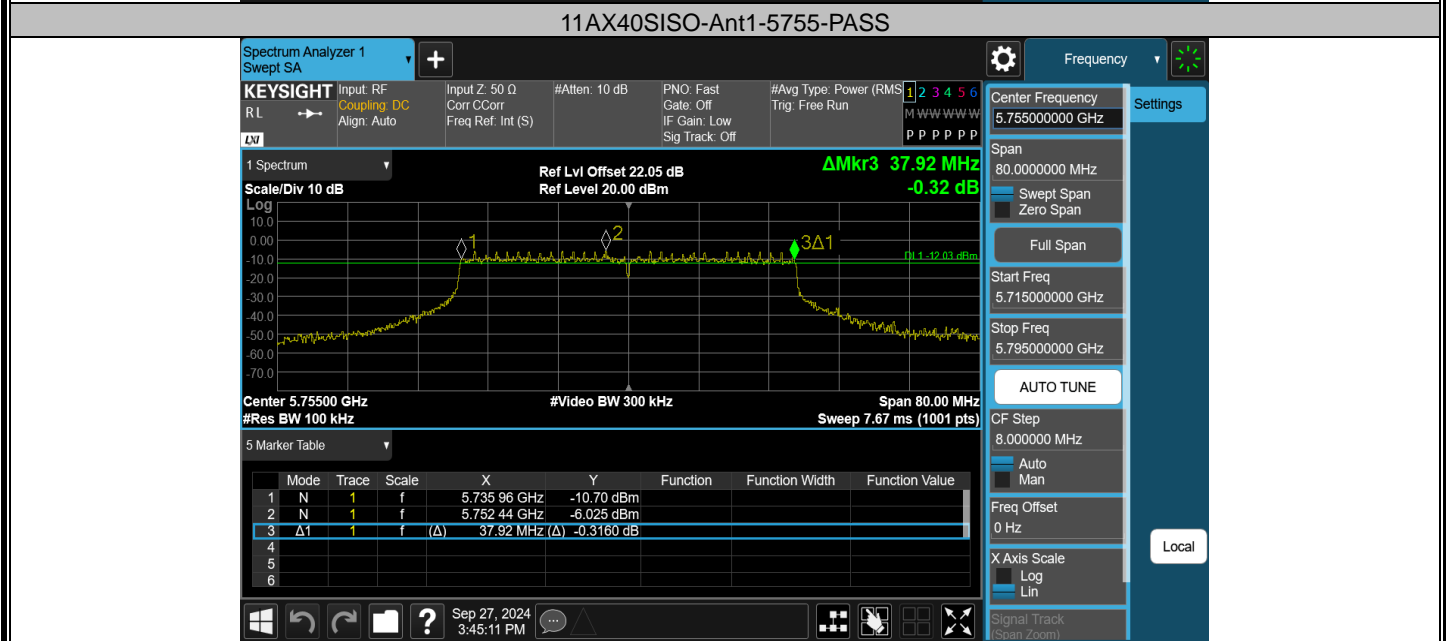
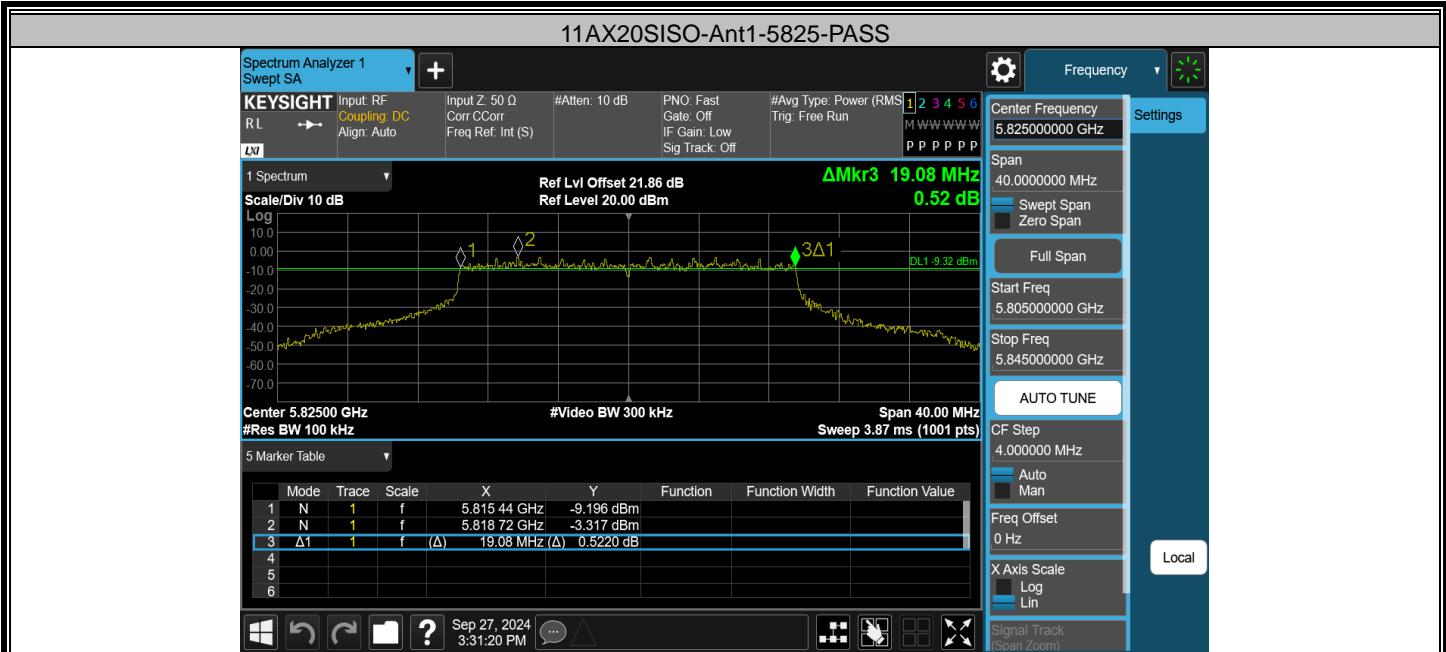












Appendix B: Duty Cycle
Test Result

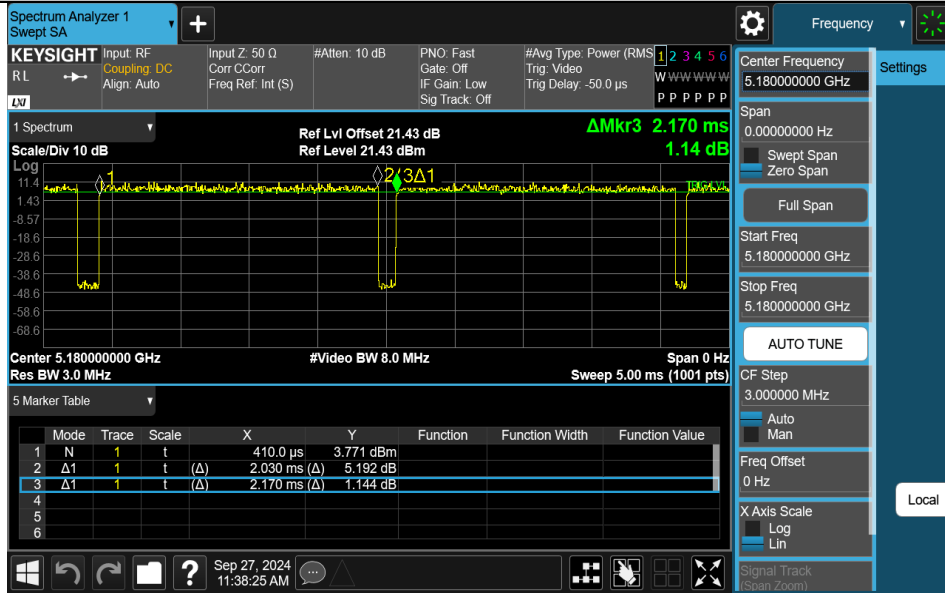
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	2.03	2.17	93.55
11A	Ant1	5200	2.03	2.14	94.86
11A	Ant1	5240	0.24	0.42	57.14
11A	Ant1	5260	0.24	0.40	60.00
11A	Ant1	5300	0.24	0.41	58.54
11A	Ant1	5320	0.25	0.42	59.52
11A	Ant1	5500	0.25	0.42	59.52
11A	Ant1	5580	0.24	0.41	58.54
11A	Ant1	5700	0.25	0.42	59.52
11A	Ant1	5745	0.24	0.46	52.17
11A	Ant1	5785	0.24	0.48	50.00
11A	Ant1	5825	0.25	0.41	60.98
11N20SISO	Ant1	5180	0.22	0.44	50.00
11N20SISO	Ant1	5200	0.22	0.43	51.16
11N20SISO	Ant1	5240	0.23	0.39	58.97
11N20SISO	Ant1	5260	0.23	0.38	60.53
11N20SISO	Ant1	5300	0.23	0.46	50.00
11N20SISO	Ant1	5320	0.22	0.40	55.00
11N20SISO	Ant1	5500	0.22	0.39	56.41
11N20SISO	Ant1	5580	0.22	0.39	56.41
11N20SISO	Ant1	5700	0.22	0.37	59.46
11N20SISO	Ant1	5745	0.22	0.39	56.41
11N20SISO	Ant1	5785	0.22	0.38	57.89
11N20SISO	Ant1	5825	0.22	0.45	48.89
11N40SISO	Ant1	5190	0.12	0.29	41.38
11N40SISO	Ant1	5230	0.13	0.29	44.83
11N40SISO	Ant1	5270	0.12	0.28	42.86
11N40SISO	Ant1	5310	0.13	0.30	43.33
11N40SISO	Ant1	5510	0.12	0.30	40.00
11N40SISO	Ant1	5590	0.12	0.33	36.36
11N40SISO	Ant1	5670	0.13	0.31	41.94
11N40SISO	Ant1	5755	0.13	0.30	43.33
11N40SISO	Ant1	5795	0.13	0.36	36.11
11AC20SISO	Ant1	5180	0.19	0.34	55.88
11AC20SISO	Ant1	5200	0.19	0.35	54.29
11AC20SISO	Ant1	5240	0.19	0.35	54.29
11AC20SISO	Ant1	5260	0.19	0.42	45.24
11AC20SISO	Ant1	5300	0.19	0.37	51.35
11AC20SISO	Ant1	5320	0.20	0.42	47.62
11AC20SISO	Ant1	5500	0.20	0.37	54.05
11AC20SISO	Ant1	5580	0.20	0.38	52.63
11AC20SISO	Ant1	5700	0.19	0.42	45.24
11AC20SISO	Ant1	5745	0.19	0.36	52.78
11AC20SISO	Ant1	5785	0.19	0.35	54.29
11AC20SISO	Ant1	5825	0.19	0.32	59.38
11AC40SISO	Ant1	5190	0.11	0.29	37.93
11AC40SISO	Ant1	5230	0.11	0.34	32.35
11AC40SISO	Ant1	5270	0.10	0.34	29.41
11AC40SISO	Ant1	5310	0.11	0.26	42.31
11AC40SISO	Ant1	5510	0.10	0.28	35.71
11AC40SISO	Ant1	5590	0.11	0.33	33.33



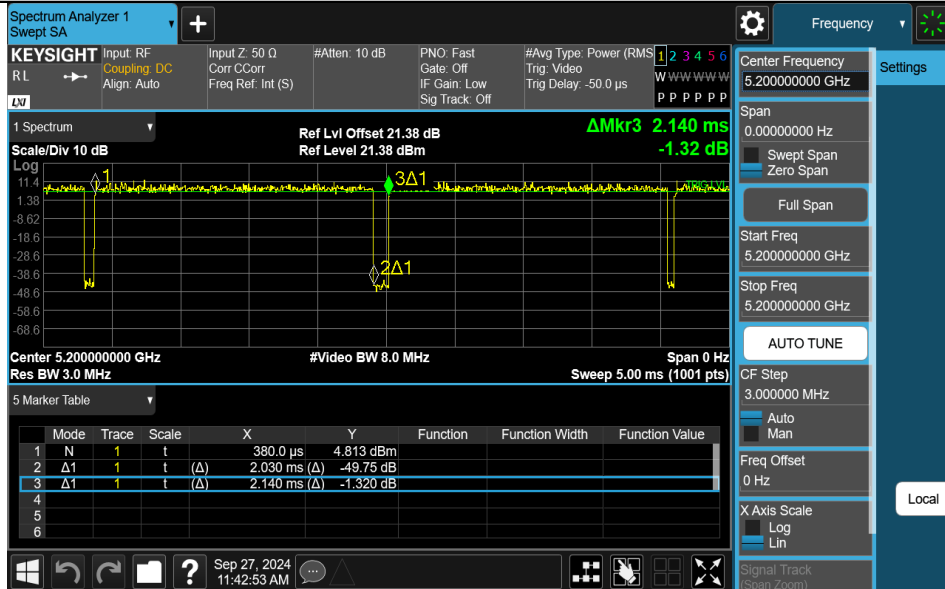
11AC40SISO	Ant1	5670	0.11	0.33	33.33
11AC40SISO	Ant1	5755	0.11	0.27	40.74
11AC40SISO	Ant1	5795	0.11	0.27	40.74
11AX20SISO	Ant1	5180	0.14	0.32	43.75
11AX20SISO	Ant1	5200	0.13	0.31	41.94
11AX20SISO	Ant1	5240	0.14	0.31	45.16
11AX20SISO	Ant1	5260	0.14	0.32	43.75
11AX20SISO	Ant1	5300	0.13	0.30	43.33
11AX20SISO	Ant1	5320	0.13	0.29	44.83
11AX20SISO	Ant1	5500	0.13	0.29	44.83
11AX20SISO	Ant1	5580	0.14	0.32	43.75
11AX20SISO	Ant1	5700	0.13	0.31	41.94
11AX20SISO	Ant1	5745	0.14	0.31	45.16
11AX20SISO	Ant1	5785	0.14	0.31	45.16
11AX20SISO	Ant1	5825	0.13	0.31	41.94
11AX40SISO	Ant1	5190	0.09	0.30	30.00
11AX40SISO	Ant1	5230	0.09	0.28	32.14
11AX40SISO	Ant1	5270	0.10	0.26	38.46
11AX40SISO	Ant1	5310	0.10	0.26	38.46
11AX40SISO	Ant1	5510	0.09	0.26	34.62
11AX40SISO	Ant1	5590	0.09	0.32	28.13
11AX40SISO	Ant1	5670	0.09	0.33	27.27
11AX40SISO	Ant1	5755	0.09	0.27	33.33
11AX40SISO	Ant1	5795	0.09	0.27	33.33

Test Graphs

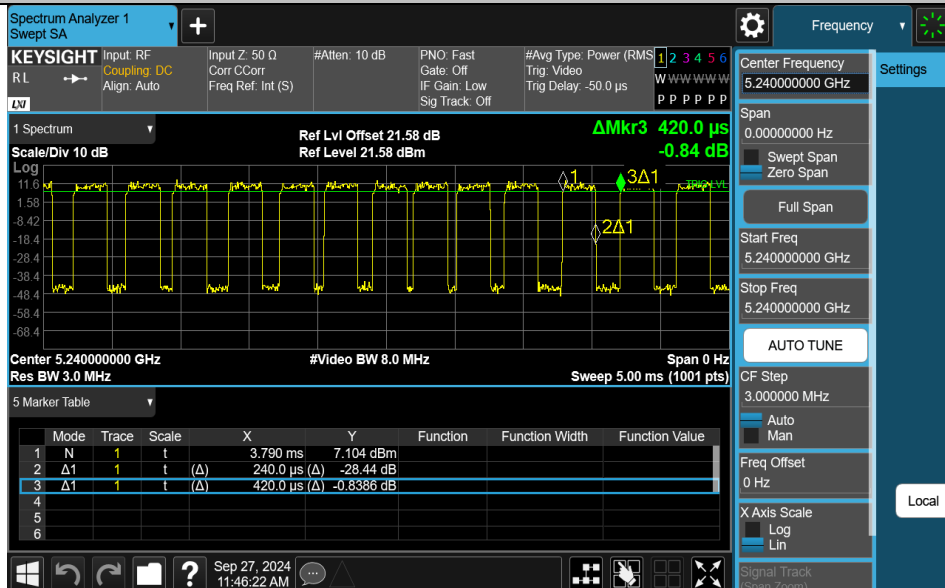
NTNV-11A-Ant1-5180



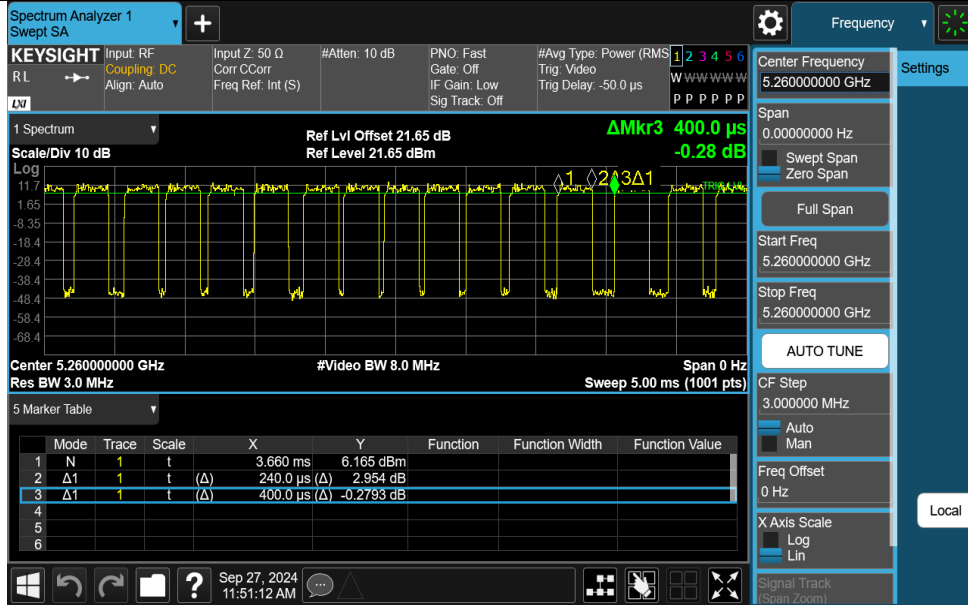
NTNV-11A-Ant1-5200



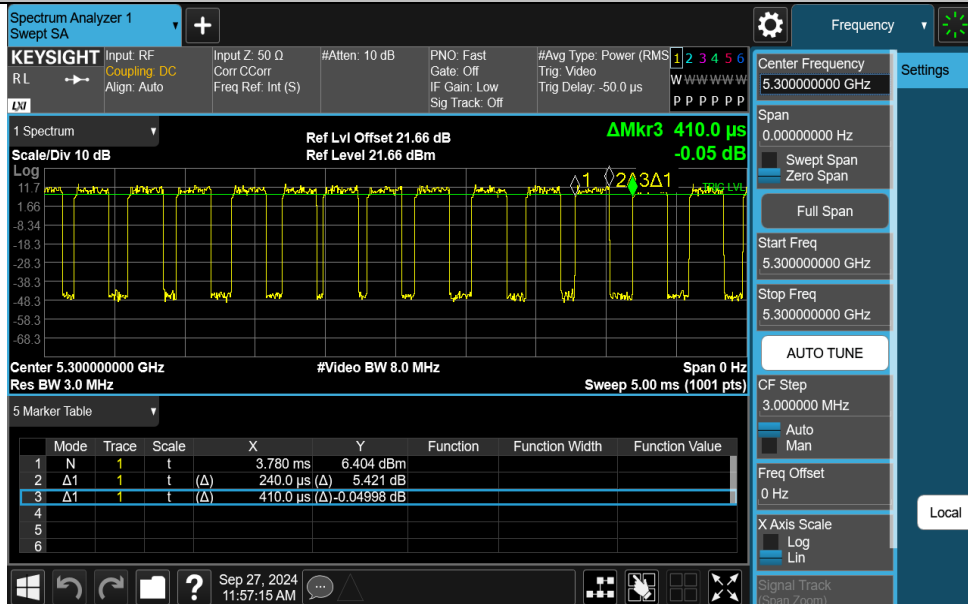
NTNV-11A-Ant1-5240



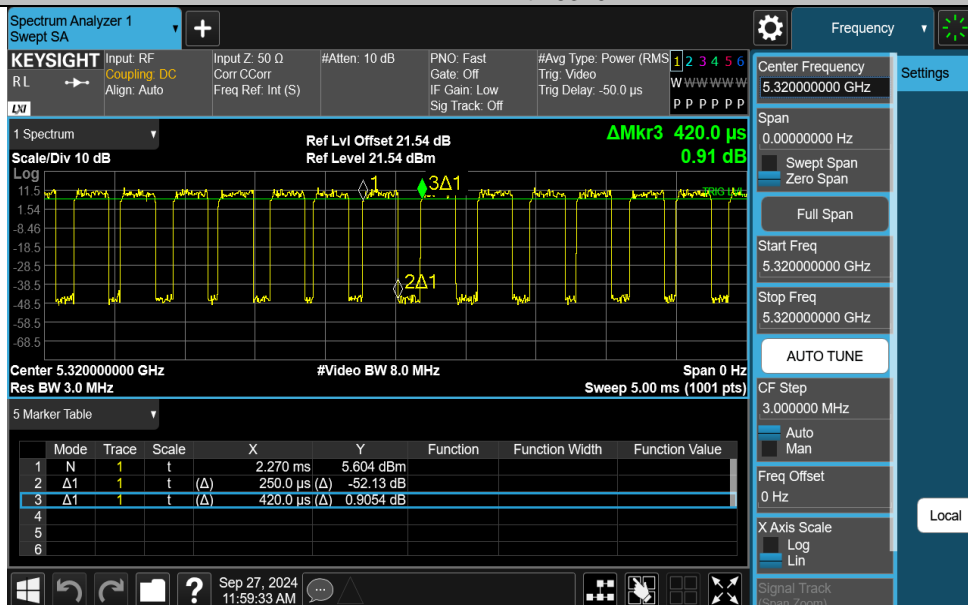
NTNV-11A-Ant1-5260



NTNV-11A-Ant1-5300



NTNV-11A-Ant1-5320



NTNV-11A-Ant1-5500

Spectrum Analyzer 1
Swept SA

KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) #Atten: 10 dB PNO: Fast Gate: Off IF Gain: Low Sig Track: Off #Avg Type: Power (RMS) Trig: Video Trig Delay: -50.0 μs

Center Frequency: 5.500000000 GHz
Span: 0.00000000 Hz
Start Freq: 5.500000000 GHz
Stop Freq: 5.500000000 GHz
AUTO TUNE

Ref Lvl Offset 21.96 dB
Ref Level 21.96 dBm
ΔMkr3 420.0 μs
0.03 dB

Center 5.500000000 GHz #Video BW 8.0 MHz Span 0 Hz
Res BW 3.0 MHz Sweep 5.00 ms (1001 pts)

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	t	3.710 ms	6.995 dBm		
2	Δ1	1	t (Δ)	250.0 μs (Δ)	-49.89 dB		
3	Δ1	1	t (Δ)	420.0 μs (Δ)	0.03013 dB		
4							
5							
6							

Sep 27, 2024 12:01:24 PM

NTNV-11A-Ant1-5580

Spectrum Analyzer 1
Swept SA

KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) #Atten: 10 dB PNO: Fast Gate: Off IF Gain: Low Sig Track: Off #Avg Type: Power (RMS) Trig: Video Trig Delay: -50.0 μs

Center Frequency: 5.580000000 GHz
Span: 0.00000000 Hz
Start Freq: 5.580000000 GHz
Stop Freq: 5.580000000 GHz
AUTO TUNE

Ref Lvl Offset 21.88 dB
Ref Level 21.88 dBm
ΔMkr3 410.0 μs
0.11 dB

Center 5.580000000 GHz #Video BW 8.0 MHz Span 0 Hz
Res BW 3.0 MHz Sweep 5.00 ms (1001 pts)

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	t	4.290 ms	6.589 dBm		
2	Δ1	1	t (Δ)	240.0 μs (Δ)	3.176 dB		
3	Δ1	1	t (Δ)	410.0 μs (Δ)	0.1102 dB		
4							
5							
6							

Sep 27, 2024 12:06:42 PM

NTNV-11A-Ant1-5700

Spectrum Analyzer 1
Swept SA

KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) #Atten: 10 dB PNO: Fast Gate: Off IF Gain: Low Sig Track: Off #Avg Type: Power (RMS) Trig: Video Trig Delay: -50.0 μs

Center Frequency: 5.700000000 GHz
Span: 0.00000000 Hz
Start Freq: 5.700000000 GHz
Stop Freq: 5.700000000 GHz
AUTO TUNE

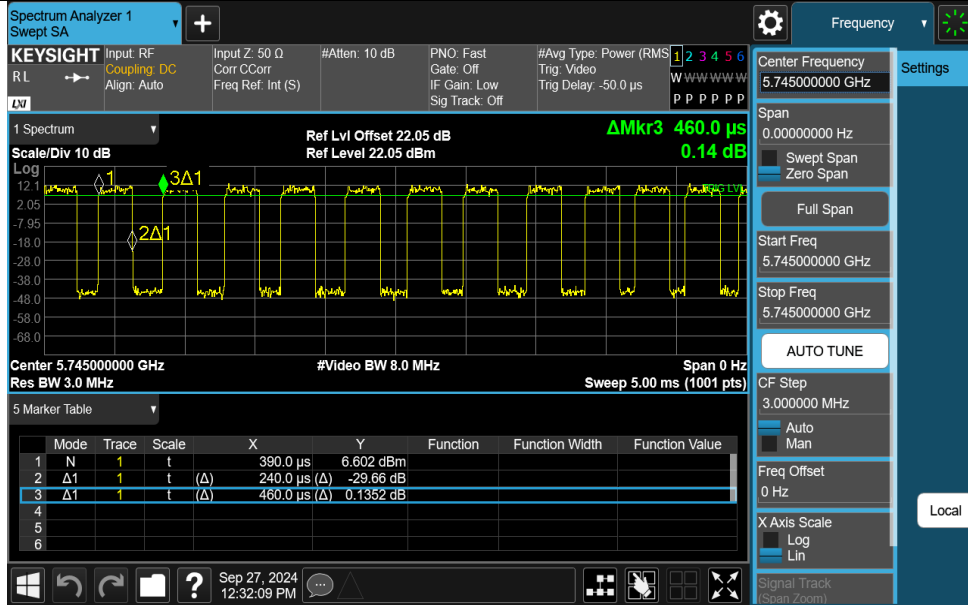
Ref Lvl Offset 22.09 dB
Ref Level 22.09 dBm
ΔMkr3 420.0 μs
0.08 dB

Center 5.700000000 GHz #Video BW 8.0 MHz Span 0 Hz
Res BW 3.0 MHz Sweep 5.00 ms (1001 pts)

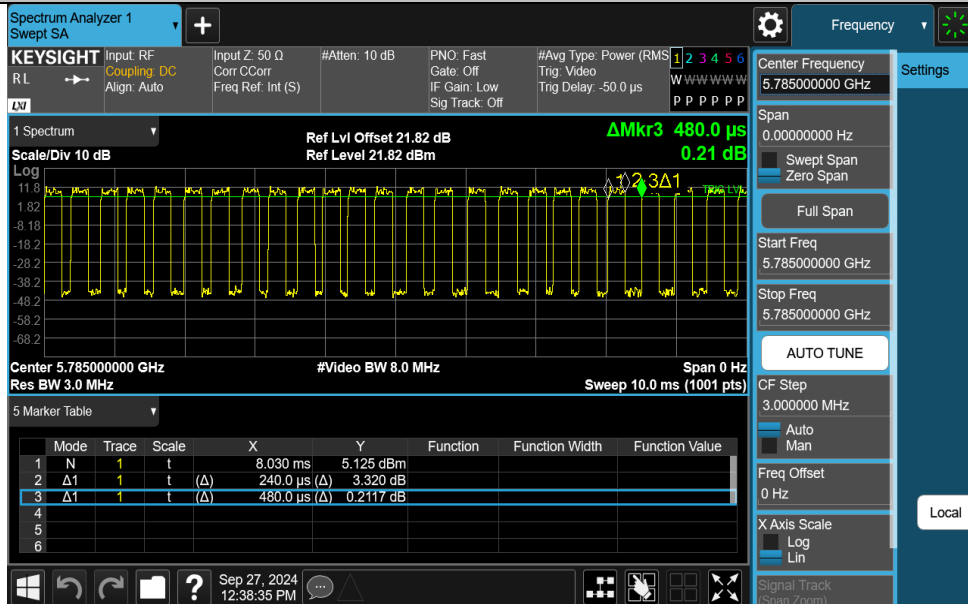
Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	t	1.180 ms	5.880 dBm		
2	Δ1	1	t (Δ)	250.0 μs (Δ)	-50.07 dB		
3	Δ1	1	t (Δ)	420.0 μs (Δ)	0.08452 dB		
4							
5							
6							

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NTNV-11A-Ant1-5745



NTNV-11A-Ant1-5785



NTNV-11A-Ant1-5825

