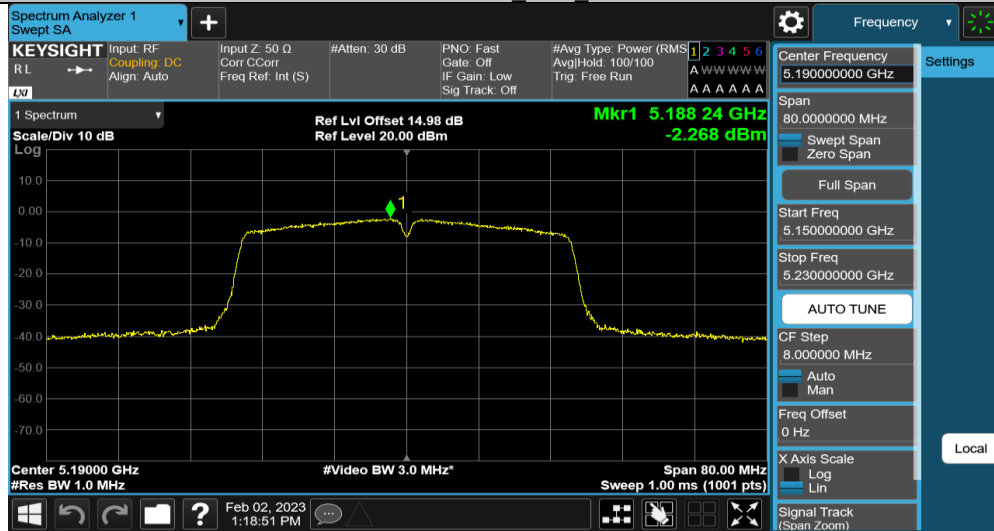
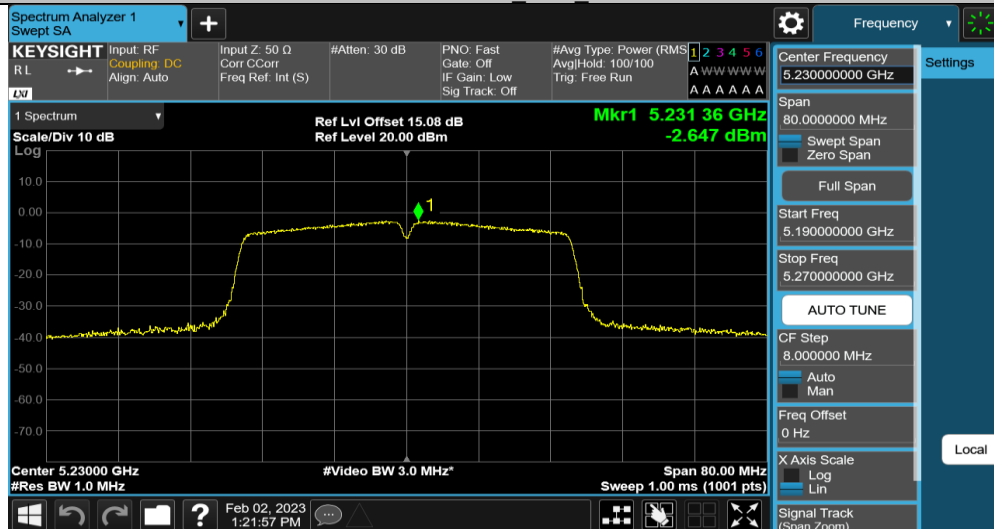


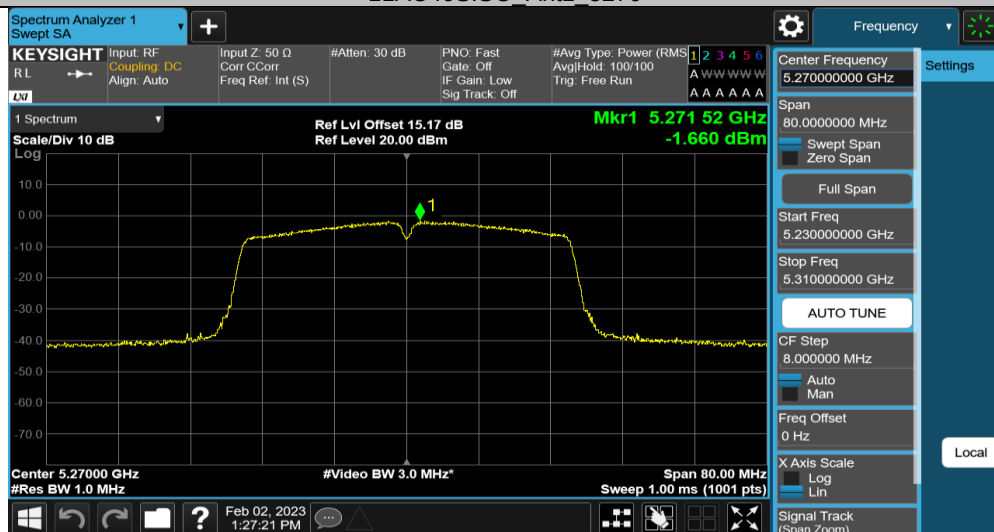
11AC40SISO_Ant1_5190



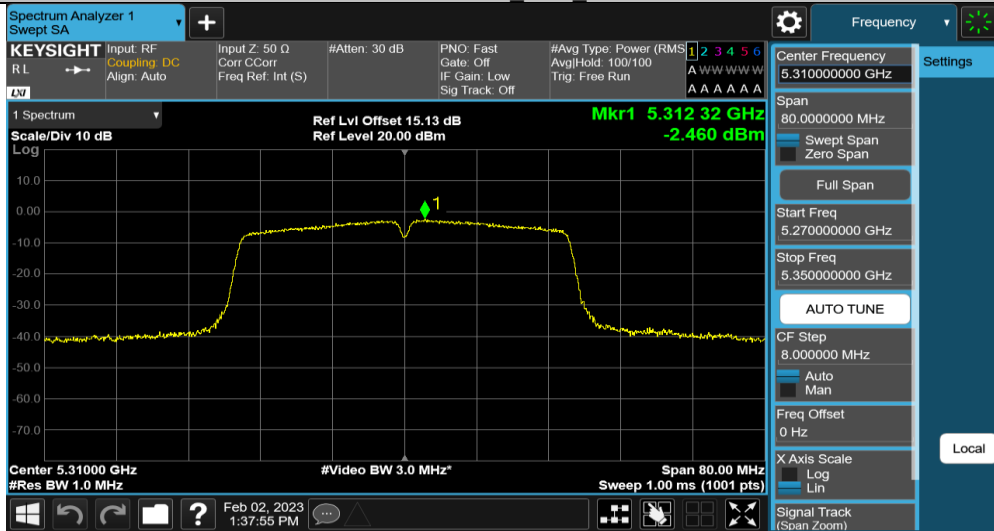
11AC40SISO_Ant1_5230



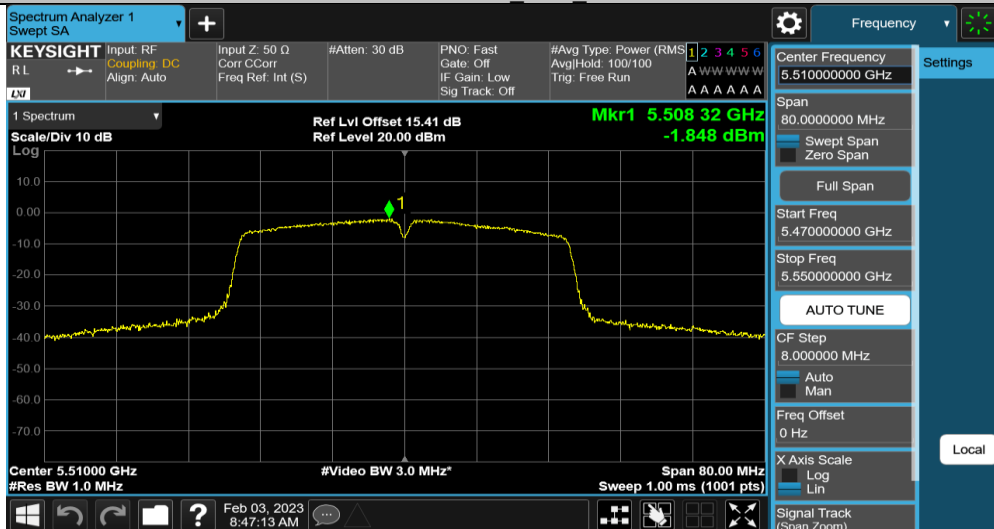
11AC40SISO_Ant1_5270



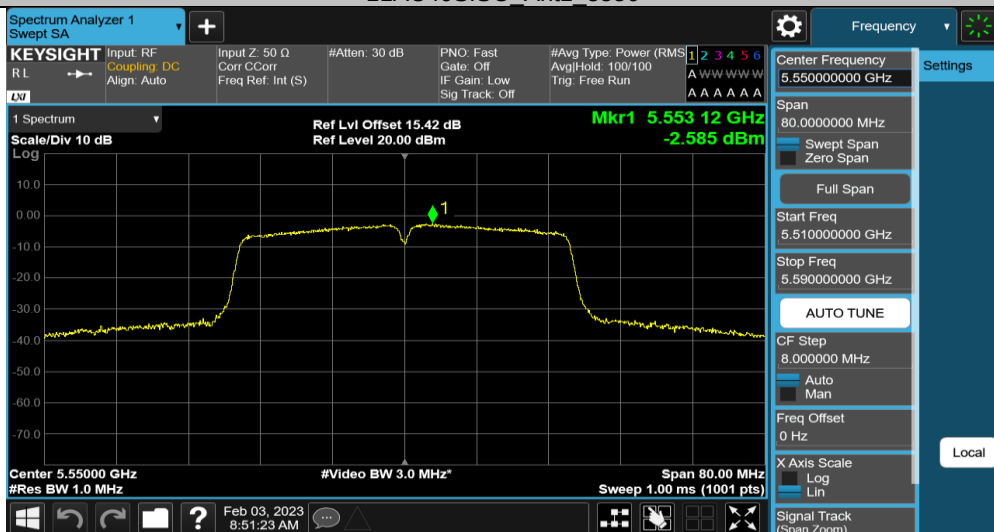
11AC40SISO_Ant1_5310

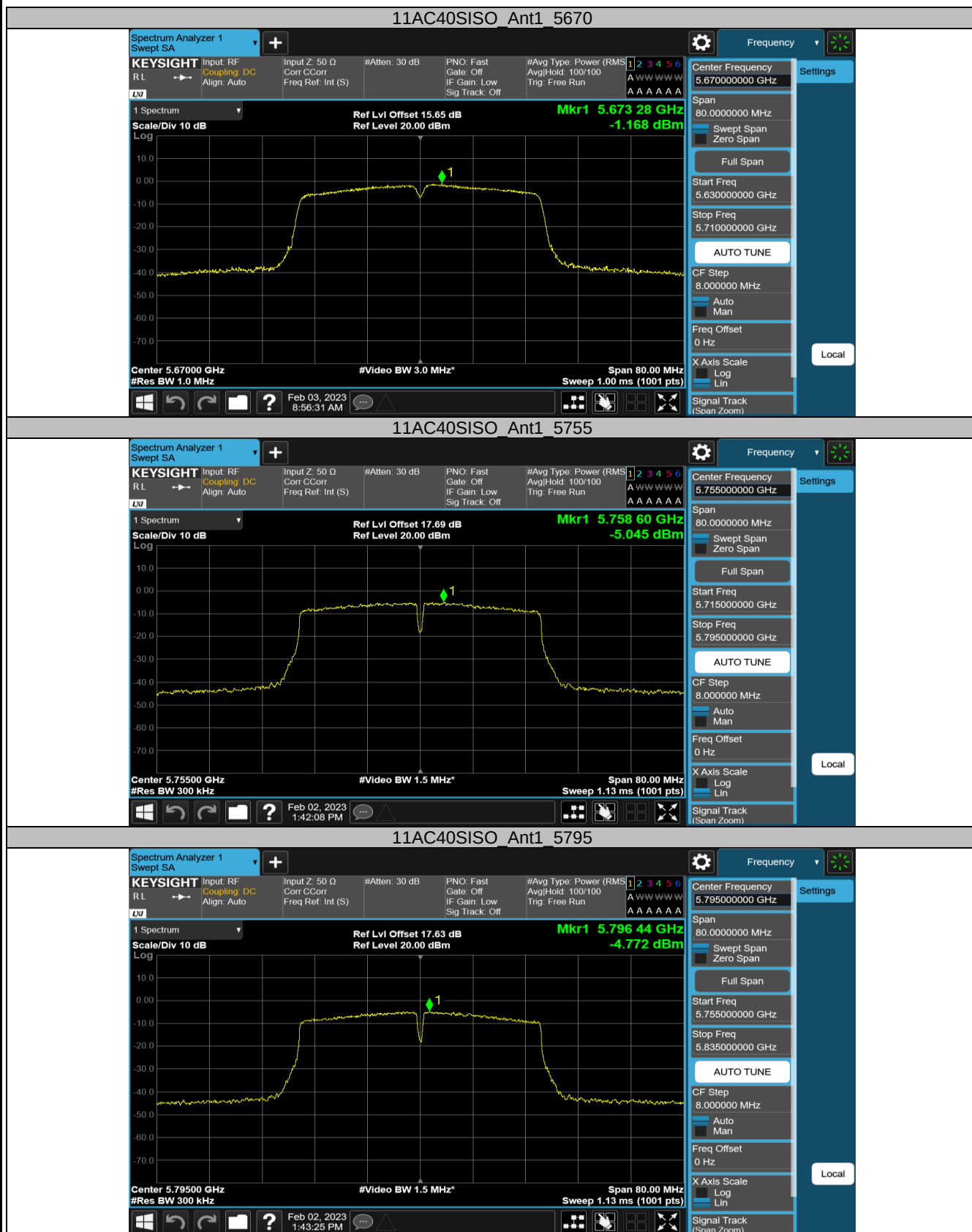


11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5550









Appendix A.3: Test Results of Frequency Stability

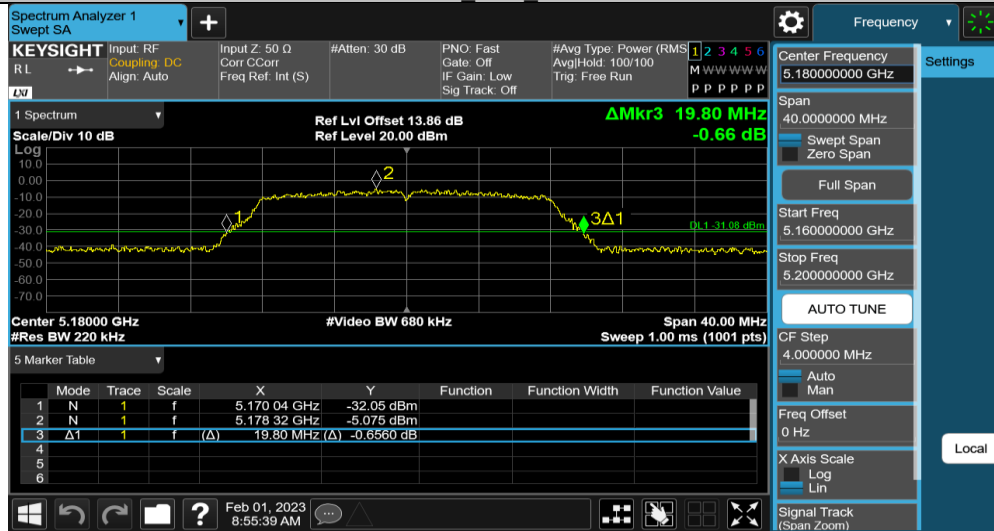
Voltage								
TestMode	Antenna	Frequenc y[MHz]	Voltage [Vdc]	Temperat ure (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AC20SISO	Ant1	5180	NV	NT	-15000.00	-2.895753	20	PASS
		5220	NV	NT	-21000.00	-4.022989	20	PASS
		5240	NV	NT	-23000.00	-4.389313	20	PASS
		5260	NV	NT	-24000.00	-4.562738	20	PASS
		5300	NV	NT	-24000.00	-4.528302	20	PASS
		5320	NV	NT	-25000.00	-4.699248	20	PASS
		5500	NV	NT	-27000.00	-4.909091	20	PASS
		5580	NV	NT	-28000.00	-5.017921	20	PASS
		5700	NV	NT	-31000.00	-5.438596	20	PASS
		5720	NV	NT	-33000.00	-5.769231	20	PASS
		5745	NV	NT	-29000.00	-5.047868	20	PASS
		5785	NV	NT	-29000.00	-5.012965	20	PASS
		5825	NV	NT	-29000.00	-4.978541	20	PASS
11AC40SISO	Ant1	5190	NV	NT	-24000.00	-4.624277	20	PASS
		5230	NV	NT	-27000.00	-5.162524	20	PASS
		5270	NV	NT	-27000.00	-5.123340	20	PASS
		5310	NV	NT	-27000.00	-5.084746	20	PASS
		5510	NV	NT	-32000.00	-5.807623	20	PASS
		5550	NV	NT	-33000.00	-5.945946	20	PASS
		5670	NV	NT	-34000.00	-5.996473	20	PASS
		5710	NV	NT	-35000.00	-6.129597	20	PASS
		5755	NV	NT	-31000.00	-5.386620	20	PASS
		5795	NV	NT	-31000.00	-5.349439	20	PASS
11AC80SISO	Ant1	5210	NV	NT	-26000.00	-4.990403	20	PASS
		5290	NV	NT	-27000.00	-5.103970	20	PASS
		5530	NV	NT	-34000.00	-6.148282	20	PASS
		5610	NV	NT	-34000.00	-6.060606	20	PASS
		5690	NV	NT	-35000.00	-6.151142	20	PASS
		5775	NV	NT	-30000.00	-5.194805	20	PASS

Appendix A.4: Test Results of 26dB Bandwidth

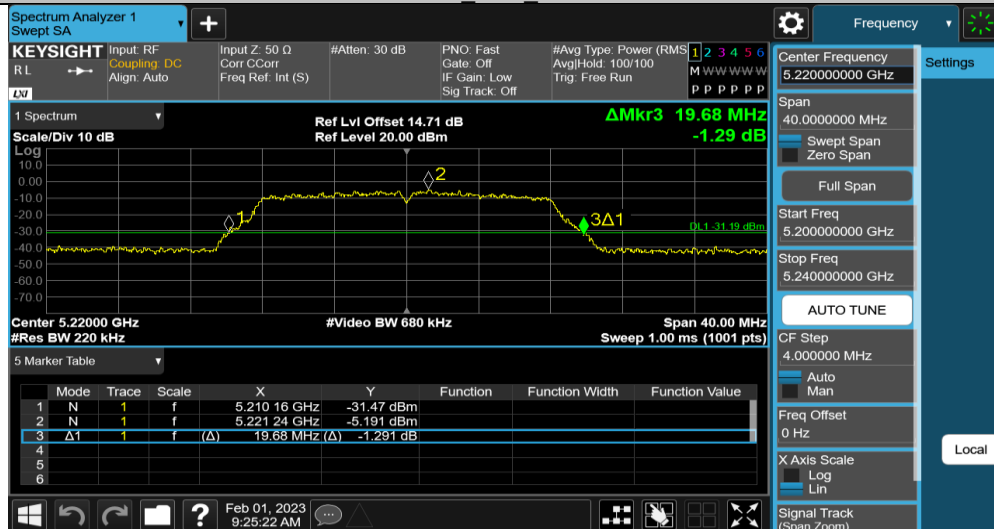
TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	19.800	5170.040	5189.840	---	PASS
		5220	19.680	5210.160	5229.840	---	PASS
		5240	19.960	5230.040	5250.000	---	PASS
		5260	19.840	5250.040	5269.880	---	PASS
		5300	22.960	5289.640	5312.600	---	PASS
		5320	20.400	5310.120	5330.520	---	PASS
		5500	19.560	5490.200	5509.760	---	PASS
		5580	20.120	5569.960	5590.080	---	PASS
		5700	19.920	5690.120	5710.040	---	PASS
		5745	21.200	5734.440	5755.640	---	PASS
		5785	19.520	5775.360	5794.880	---	PASS
		5825	19.800	5815.200	5835.000	---	PASS
11N20SISO	Ant1	5180	20.320	5169.920	5190.240	---	PASS
		5220	19.880	5209.960	5229.840	---	PASS
		5240	20.000	5230.040	5250.040	---	PASS
		5260	20.080	5250.000	5270.080	---	PASS
		5300	20.200	5289.920	5310.120	---	PASS
		5320	20.360	5309.880	5330.240	---	PASS
		5500	20.000	5489.960	5509.960	---	PASS
		5580	20.200	5569.880	5590.080	---	PASS
		5700	19.920	5690.080	5710.000	---	PASS
		5745	20.000	5735.040	5755.040	---	PASS
		5785	20.000	5775.000	5795.000	---	PASS
		5825	20.200	5814.880	5835.080	---	PASS
11N40SISO	Ant1	5190	40.400	5169.920	5210.320	---	PASS
		5230	40.720	5209.760	5250.480	---	PASS
		5270	40.080	5250.080	5290.160	---	PASS
		5310	40.560	5290.080	5330.640	---	PASS
		5510	40.320	5489.600	5529.920	---	PASS
		5550	41.040	5529.760	5570.800	---	PASS
		5670	40.480	5649.680	5690.160	---	PASS
		5755	40.240	5734.920	5775.160	---	PASS
		5795	39.760	5774.920	5814.680	---	PASS
11AC20SISO	Ant1	5180	20.080	5169.920	5190.000	---	PASS
		5220	20.200	5209.960	5230.160	---	PASS
		5240	20.280	5229.840	5250.120	---	PASS
		5260	20.160	5250.040	5270.200	---	PASS
		5300	20.400	5289.800	5310.200	---	PASS
		5320	22.160	5310.080	5332.240	---	PASS
		5500	20.200	5490.000	5510.200	---	PASS
		5580	20.000	5569.960	5589.960	---	PASS
		5700	20.200	5689.920	5710.120	---	PASS

		5745	20.080	5734.920	5755.000	---	PASS
		5785	20.040	5774.880	5794.920	---	PASS
		5825	20.280	5814.840	5835.120	---	PASS
11AC40SISO	Ant1	5190	40.320	5169.760	5210.080	---	PASS
		5230	40.800	5209.760	5250.560	---	PASS
		5270	40.160	5249.760	5289.920	---	PASS
		5310	40.560	5289.760	5330.320	---	PASS
		5510	40.000	5489.840	5529.840	---	PASS
		5550	41.760	5529.120	5570.880	---	PASS
		5670	40.320	5649.840	5690.160	---	PASS
		5755	40.640	5734.600	5775.240	---	PASS
		5795	40.560	5774.680	5815.240	---	PASS
11AC80SISO	Ant1	5210	80.640	5169.680	5250.320	---	PASS
		5290	80.960	5249.840	5330.800	---	PASS
		5530	80.960	5489.680	5570.640	---	PASS
		5610	80.800	5569.680	5650.480	---	PASS
		5775	80.000	5735.000	5815.000	---	PASS

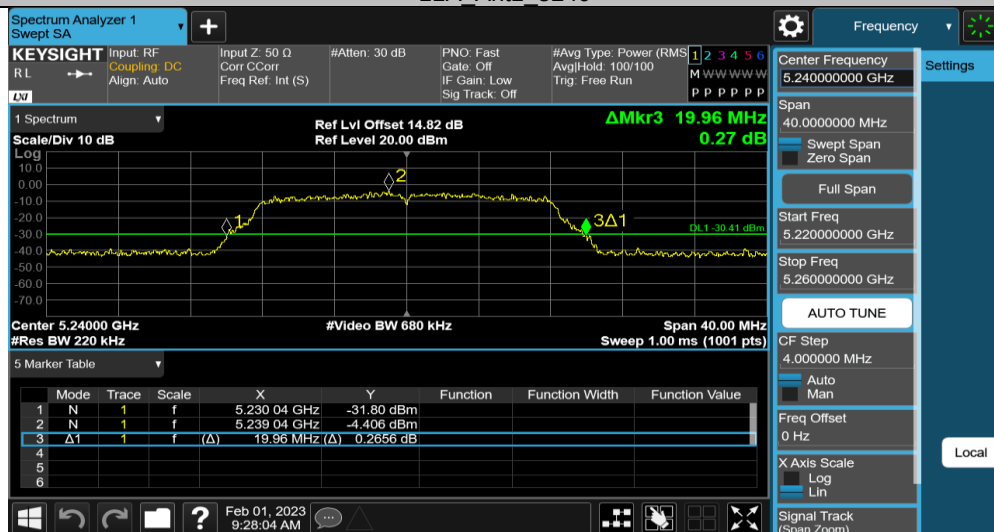
11A_Ant1_5180



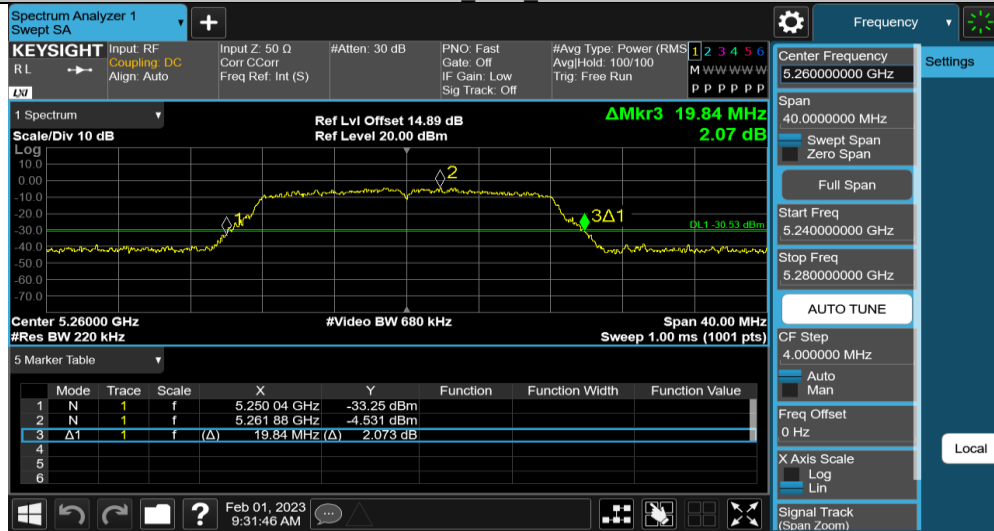
11A_Ant1_5220



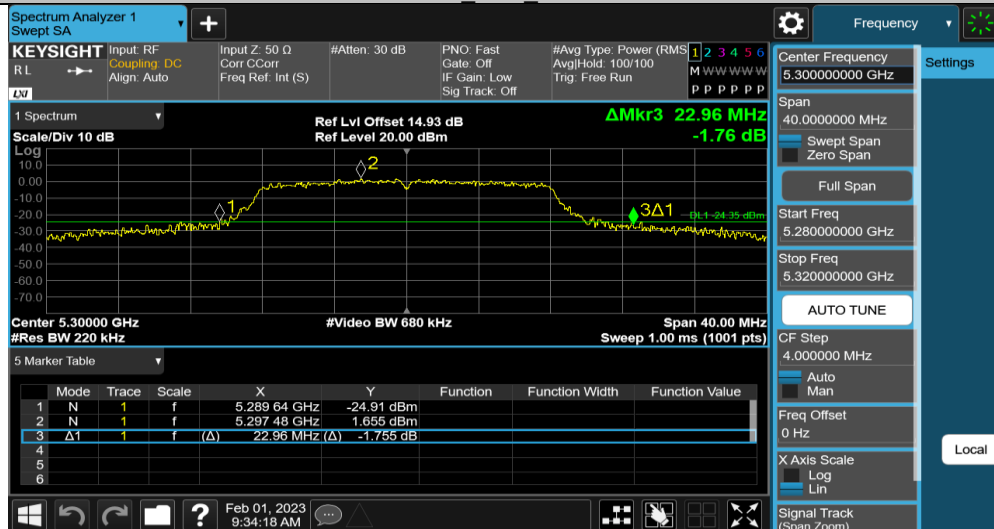
11A_Ant1_5240



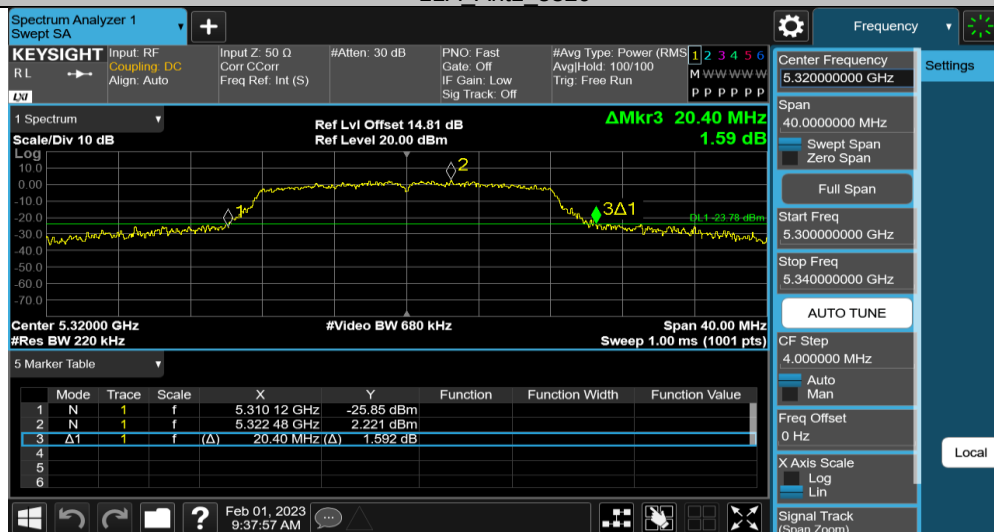
11A_Ant1_5260



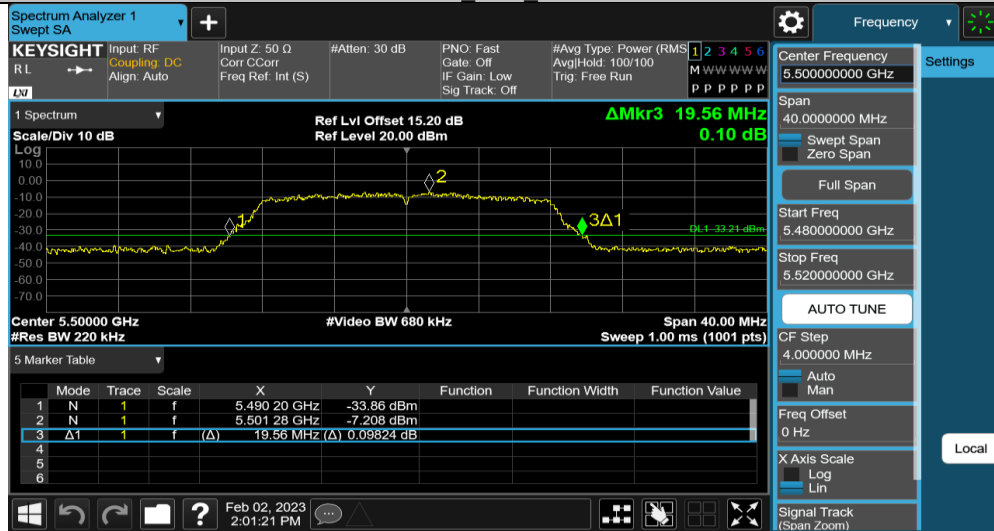
11A_Ant1_5300



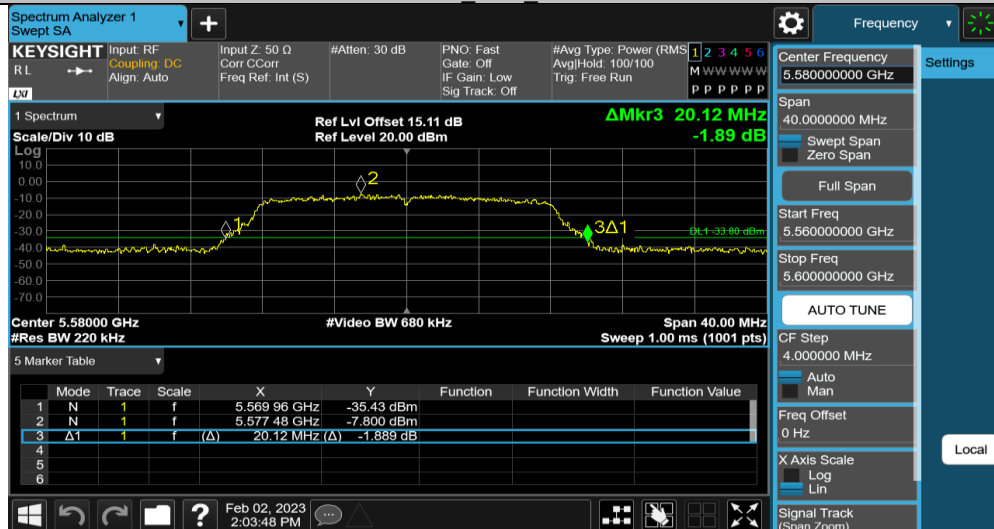
11A_Ant1_5320



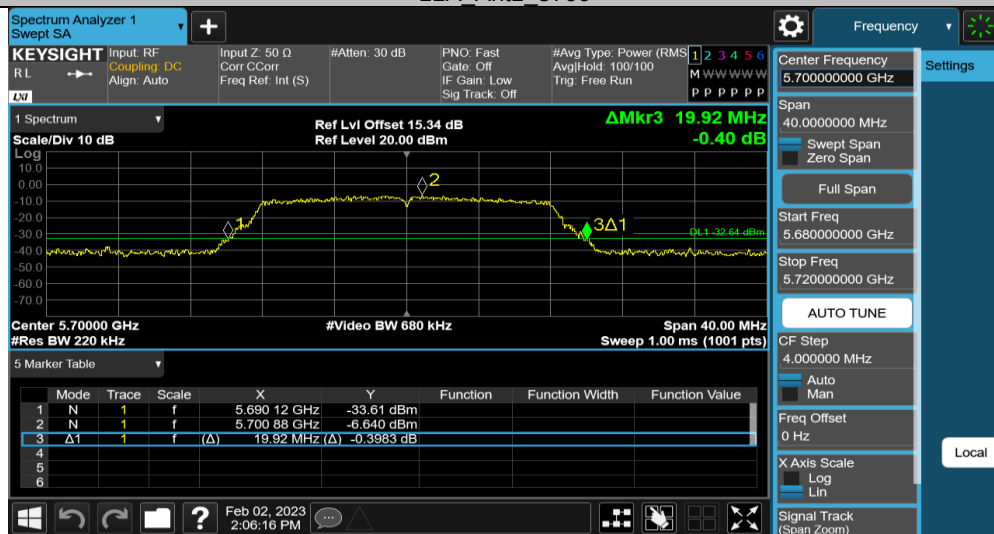
11A_Ant1_5500



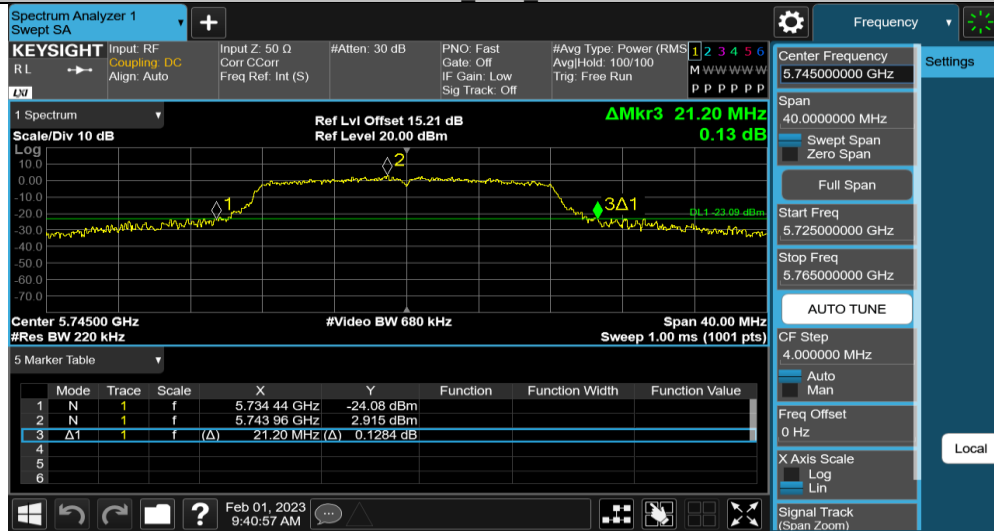
11A_Ant1_5580



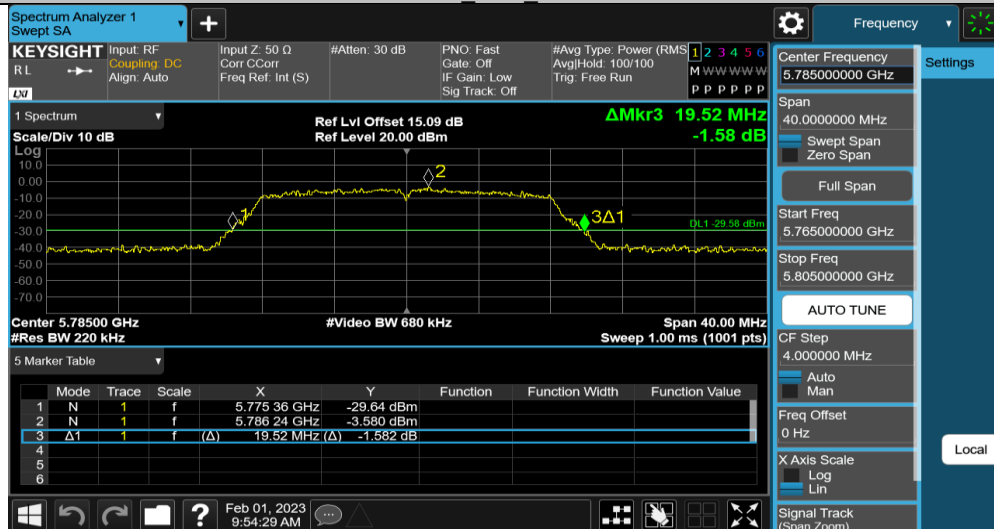
11A_Ant1_5700



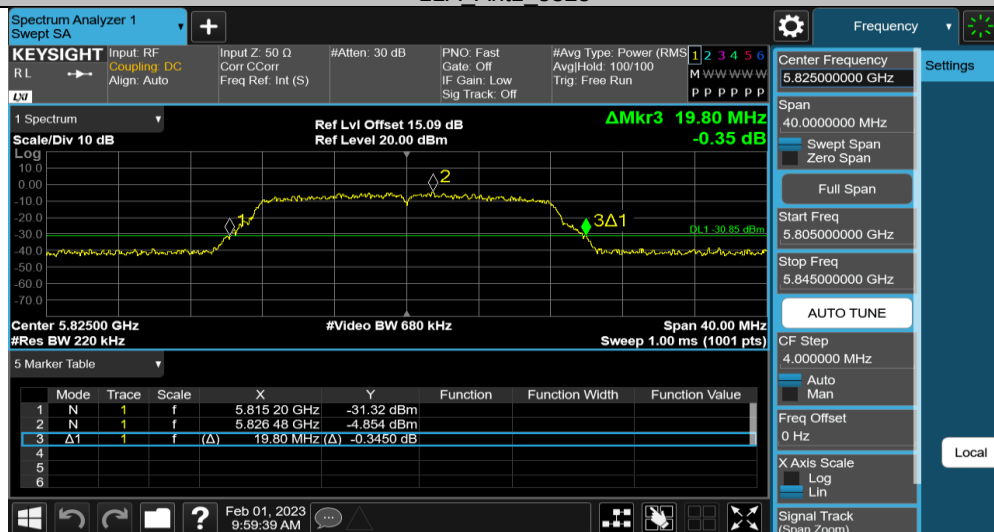
11A_Ant1_5745



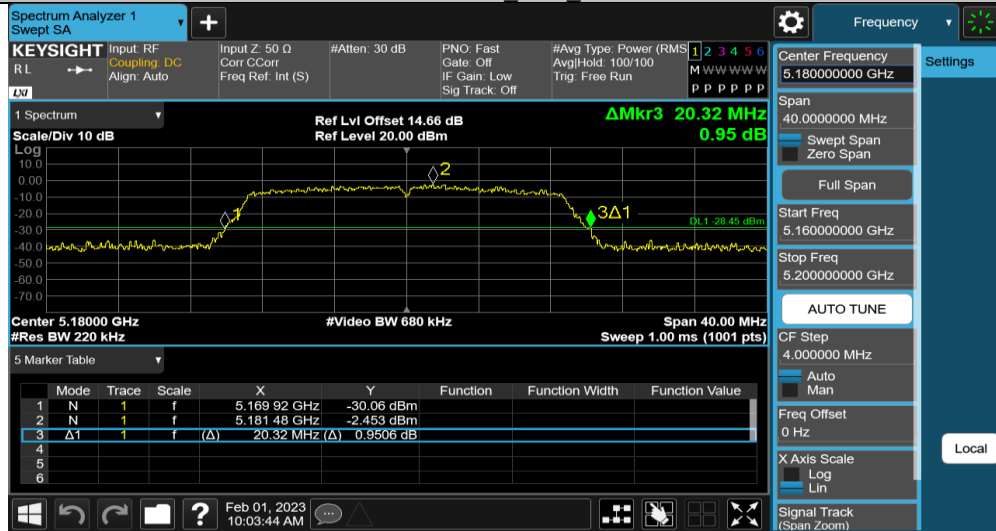
11A_Ant1_5785



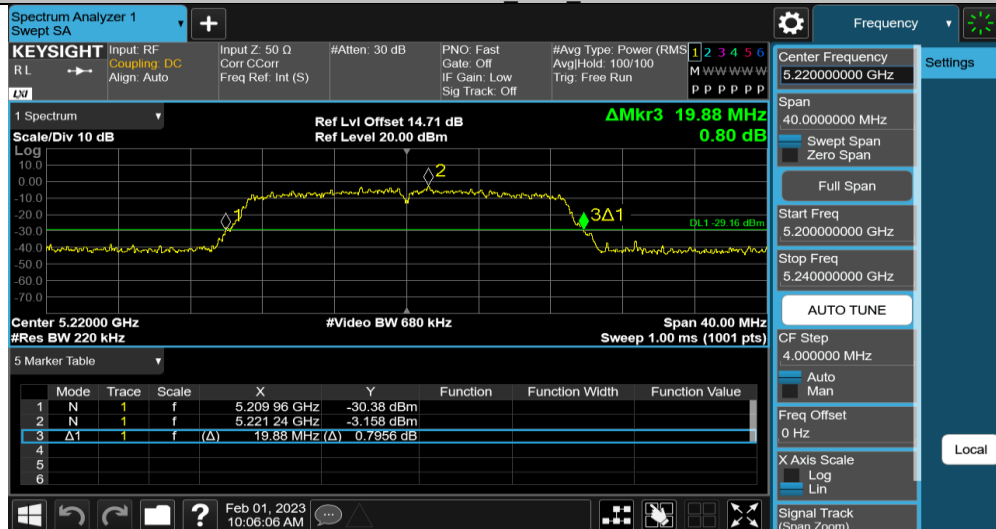
11A_Ant1_5825



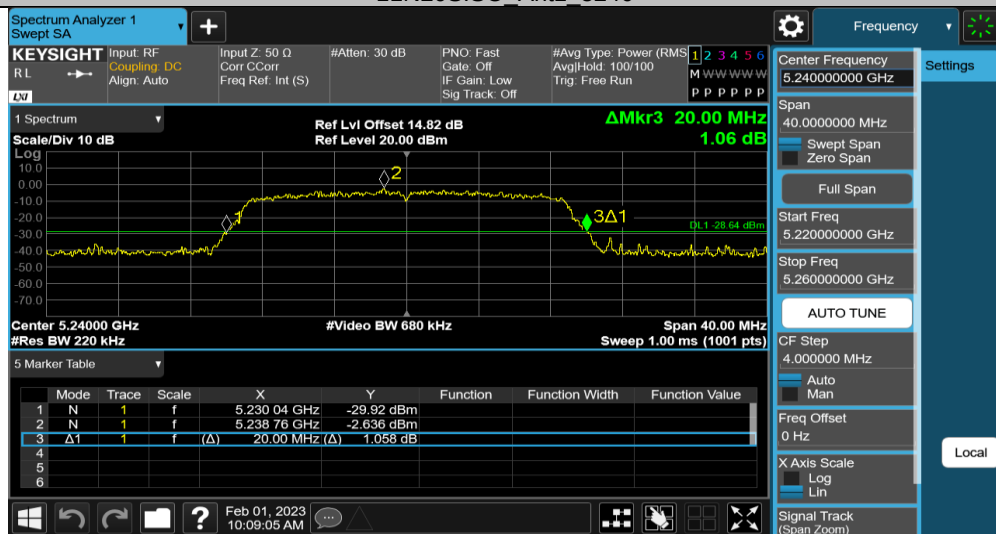
11N20SISO Ant1 5180



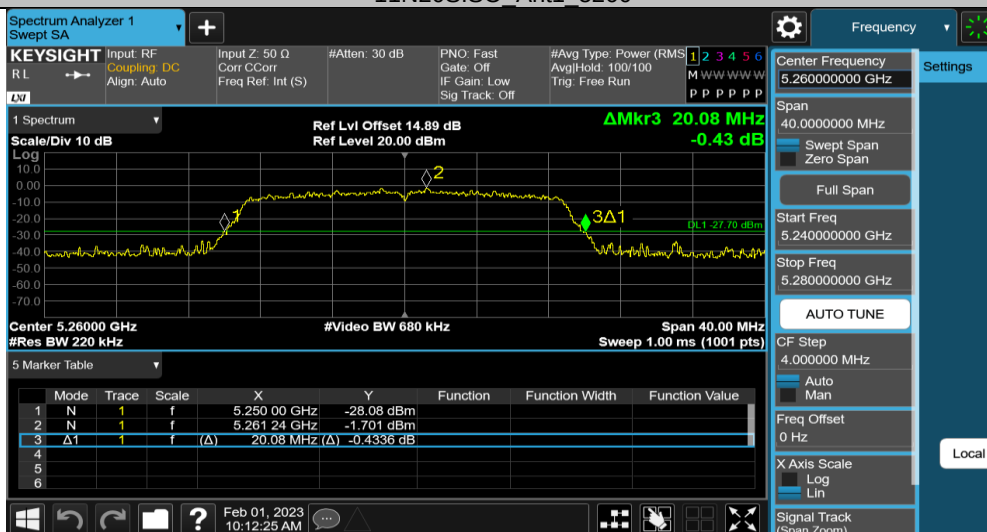
11N20SISO Ant1 5220



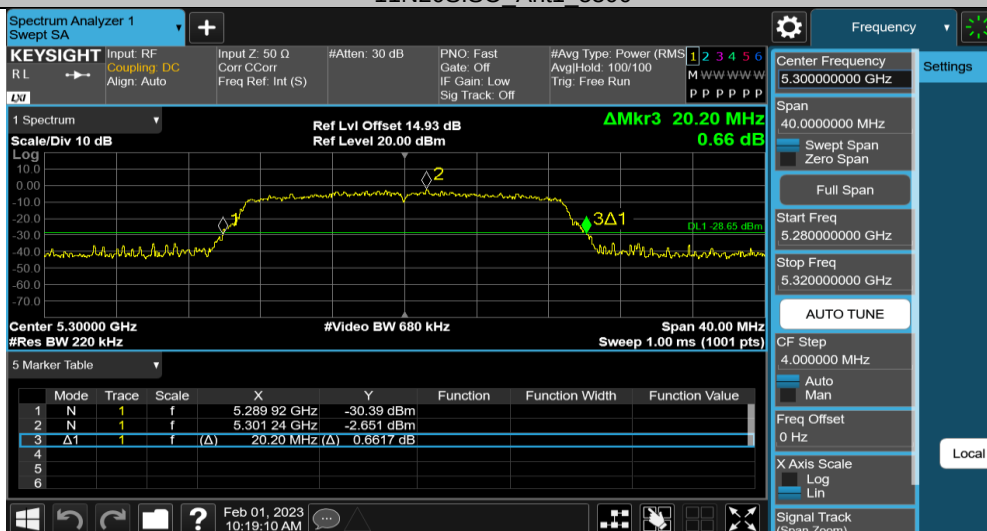
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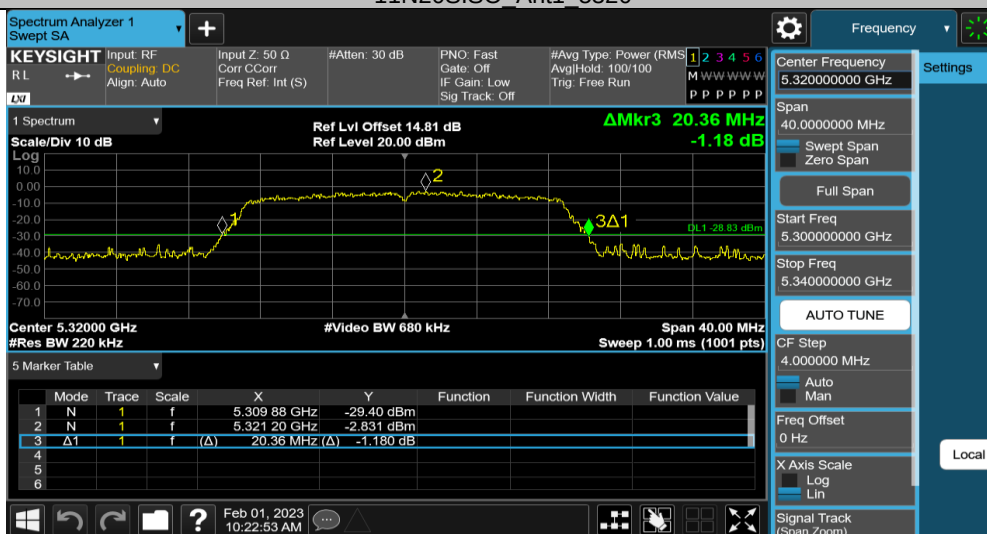
11N20SISO Ant1 5260



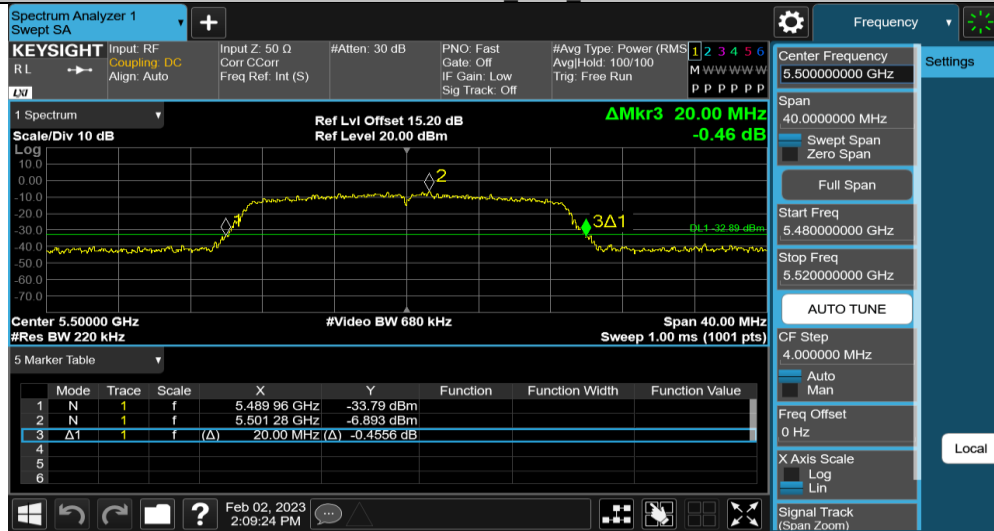
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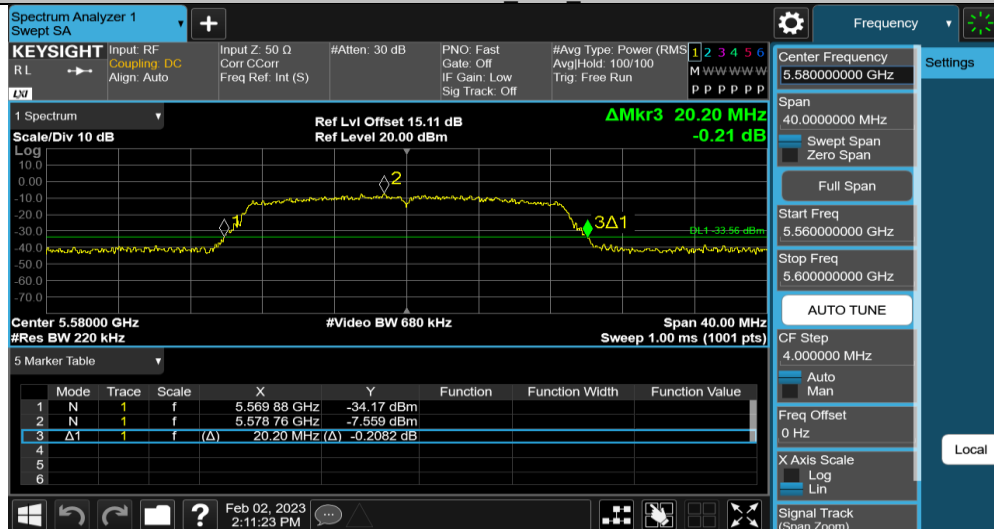
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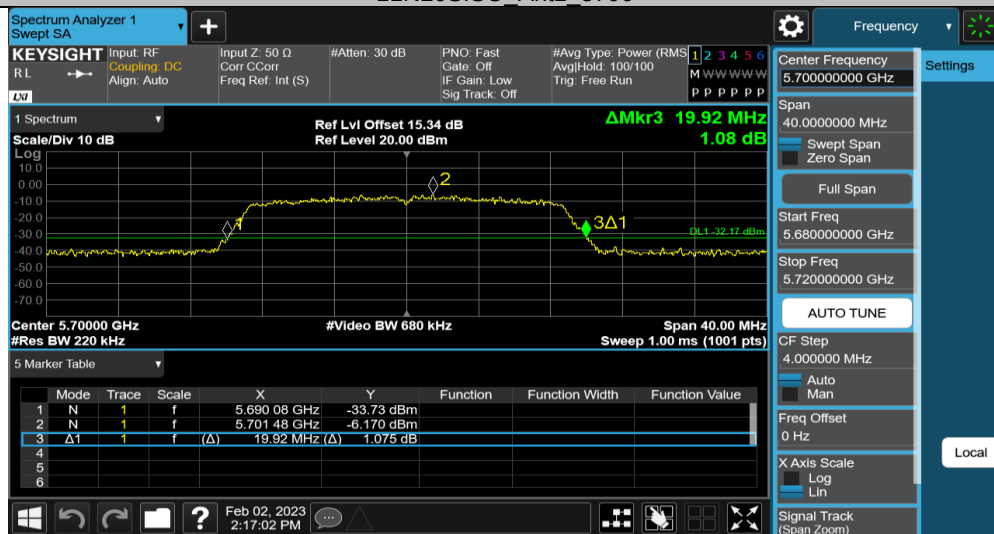
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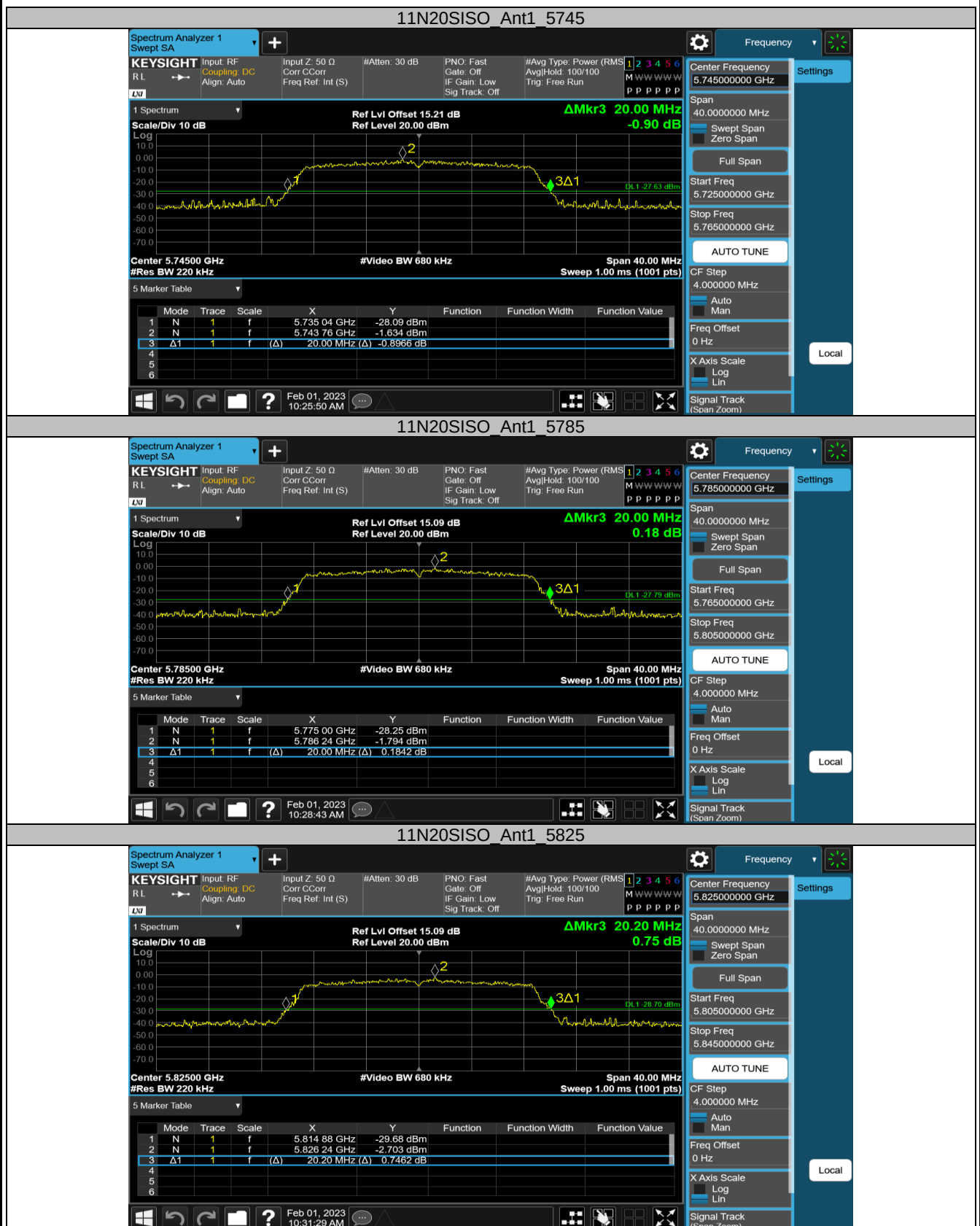


11N20SISO Ant1 5580

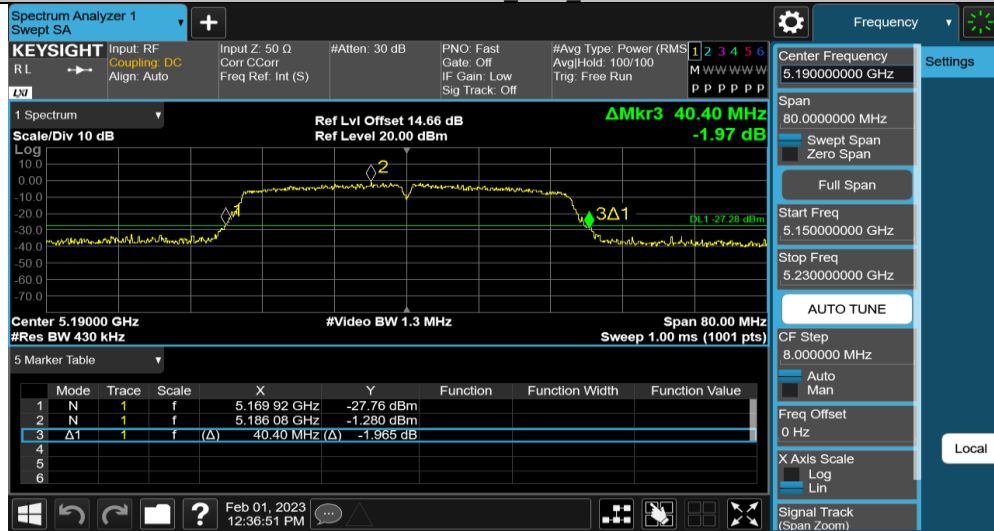


11N20SISO Ant1 5700

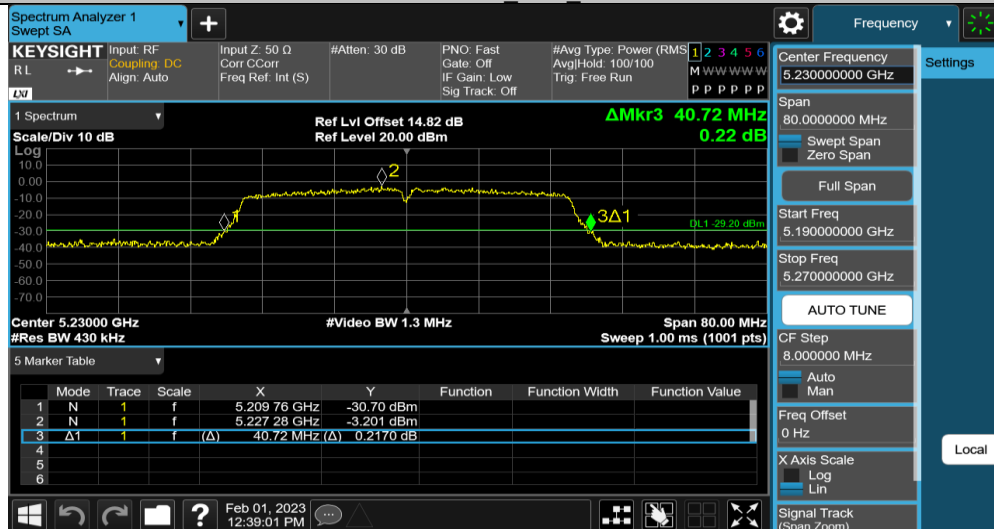




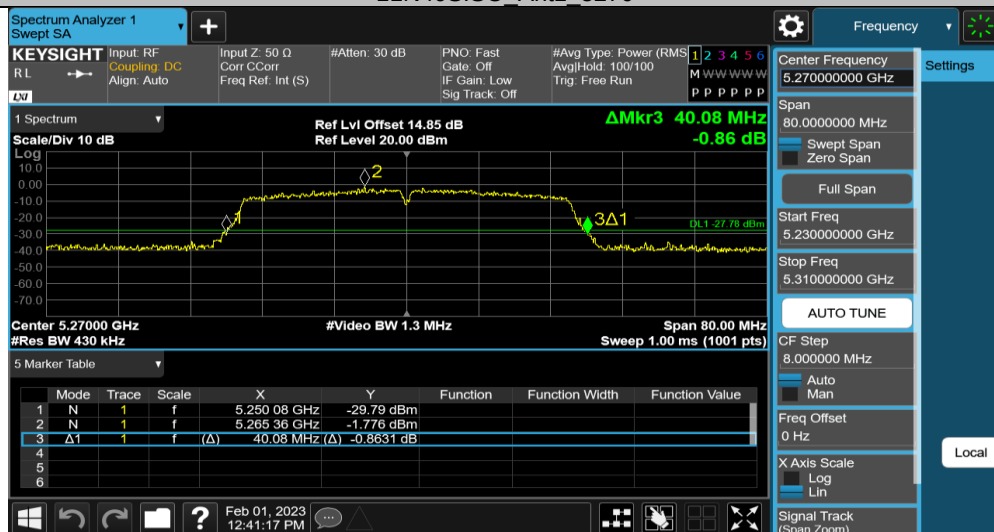
11N40SISO Ant1 5190

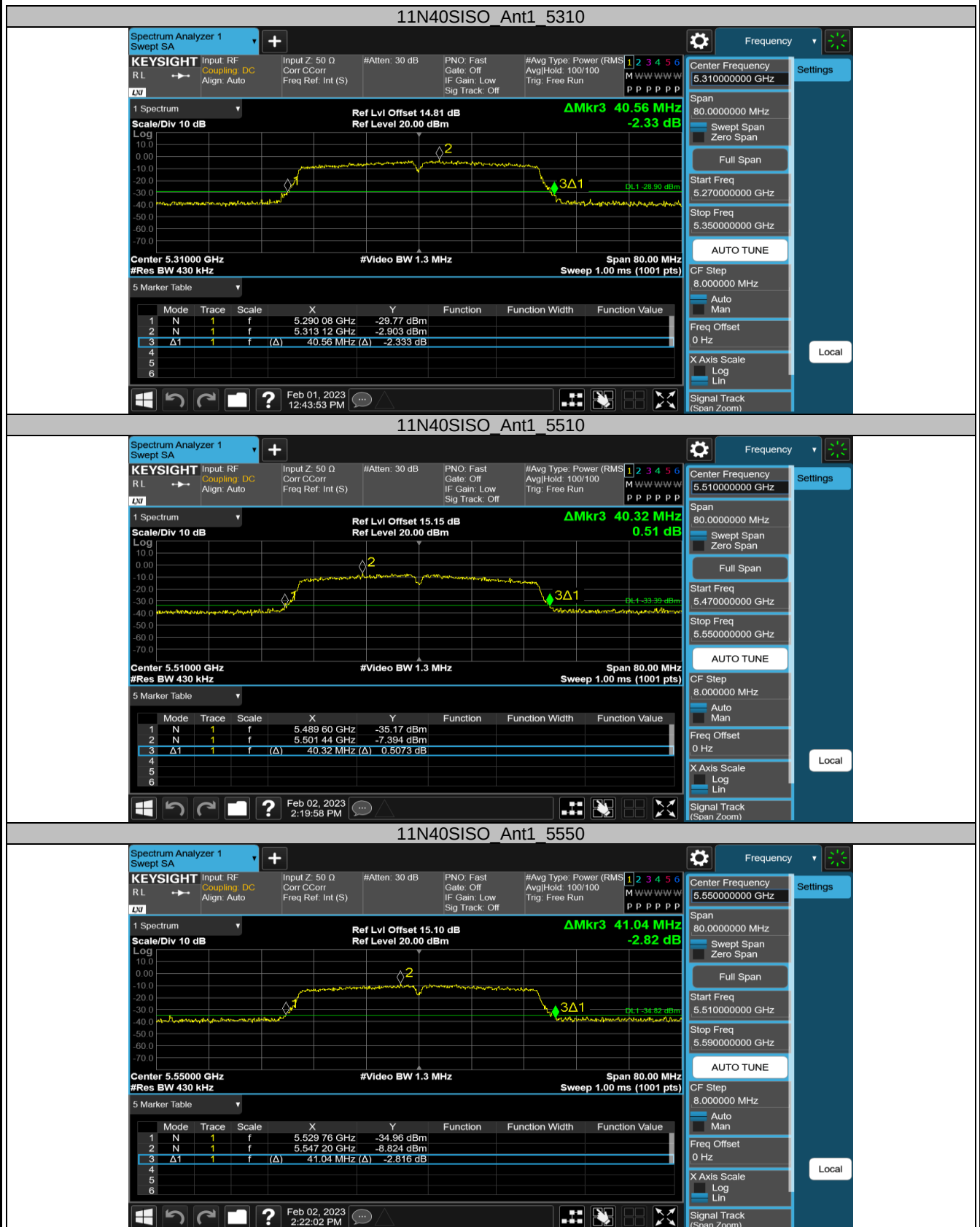


11N40SISO Ant1 5230

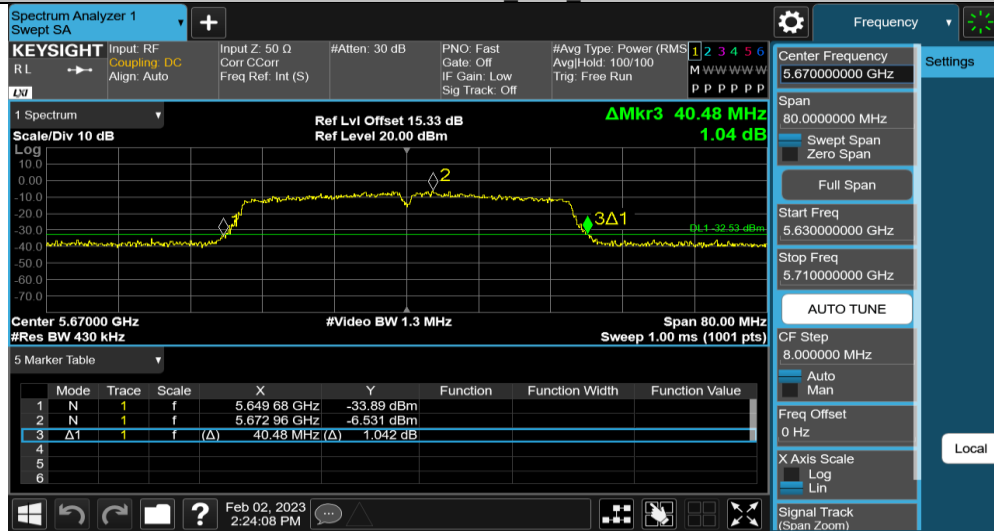


11N40SISO Ant1 5270

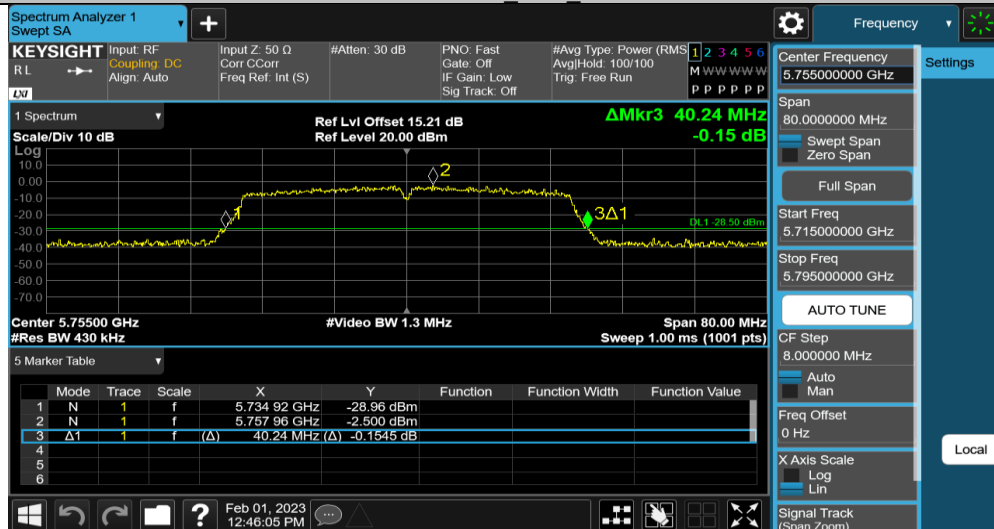




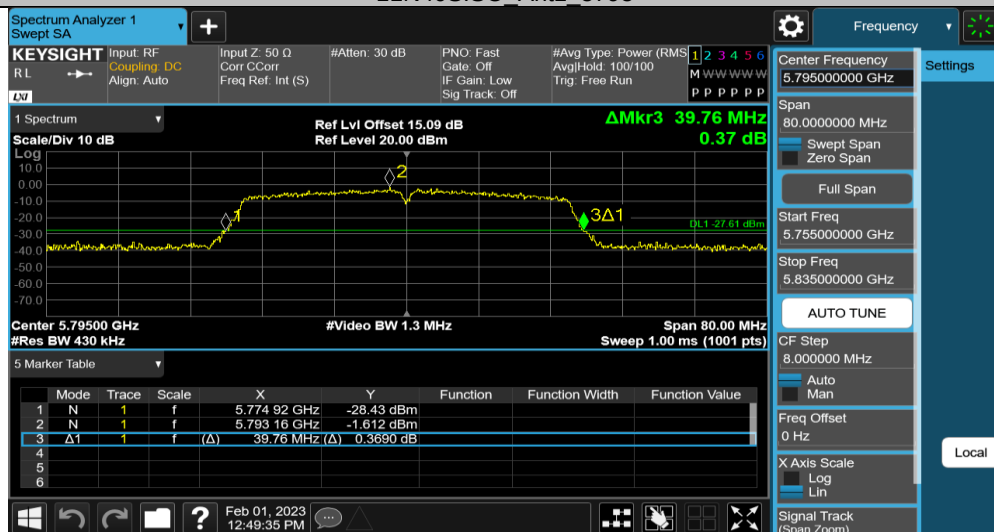
11N40SISO Ant1 5670



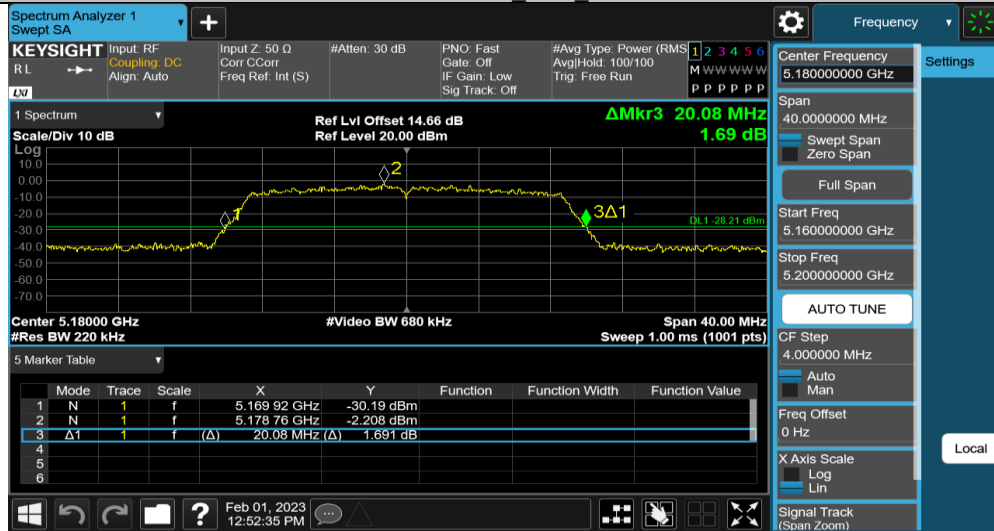
11N40SISO Ant1 5755



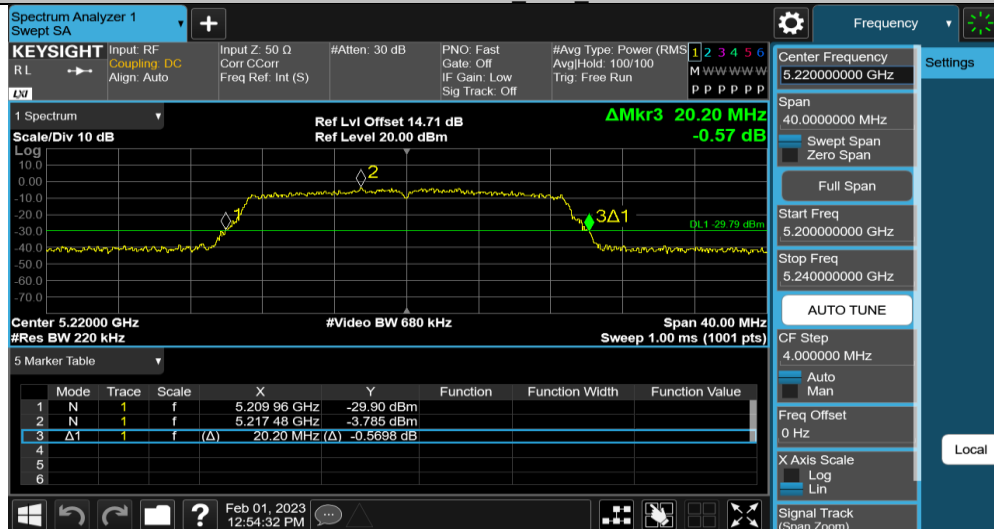
11N40SISO Ant1 5795



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5220



11AC20SISO_Ant1_5240

