



11AC40SISO-Ant2-5550-PASS



11AC40SISO-Ant1-5670-PASS



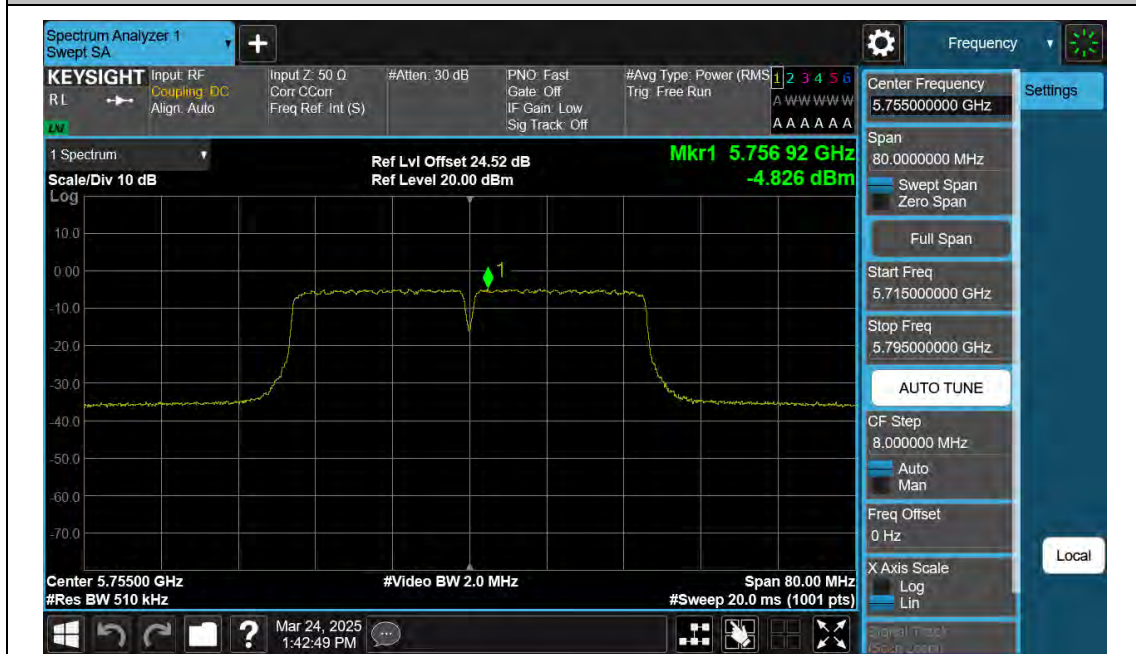
11AC40SISO-Ant2-5670-PASS



11AC40SISO-Ant1-5755-PASS



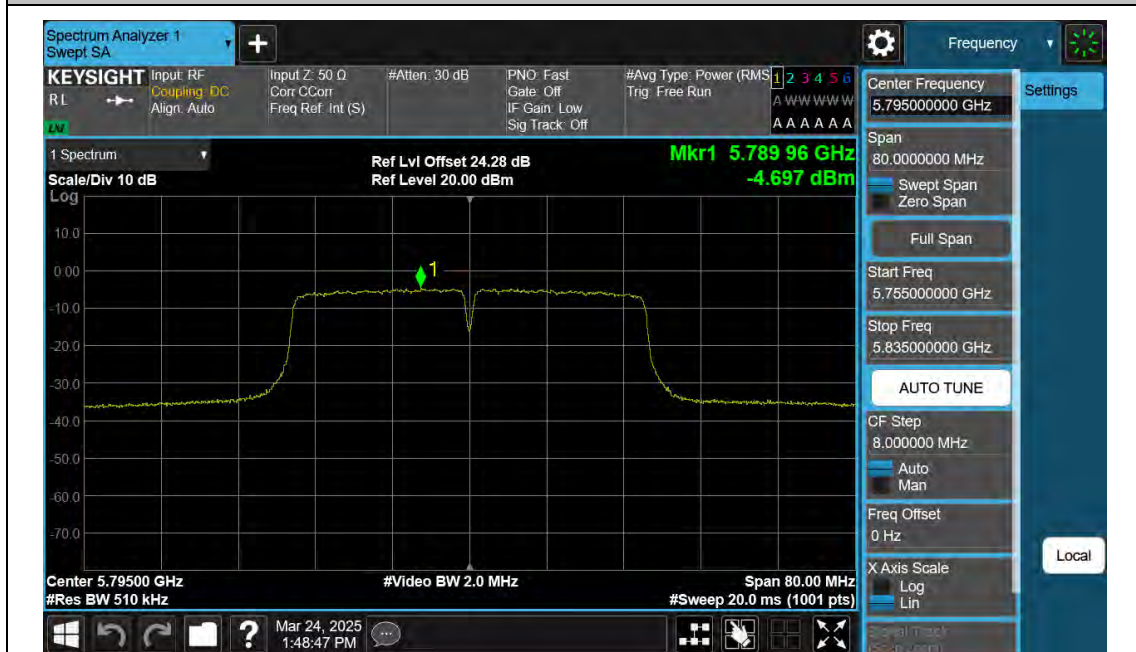
11AC40SISO-Ant2-5755-PASS



11AC40SISO-Ant1-5795-PASS



11AC40SISO-Ant2-5795-PASS



11AC80SISO-Ant1-5210-PASS



11AC80SISO-Ant2-5210-PASS



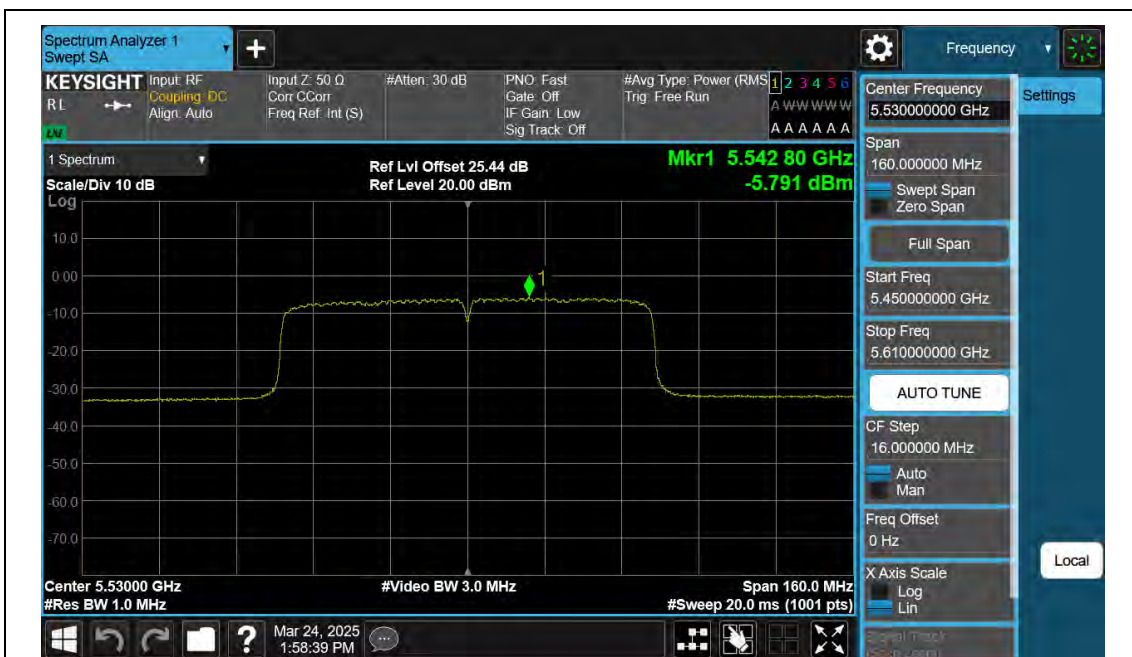
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11AC80SISO-Ant2-5290-PASS



11AC80SISO-Ant1-5530-PASS



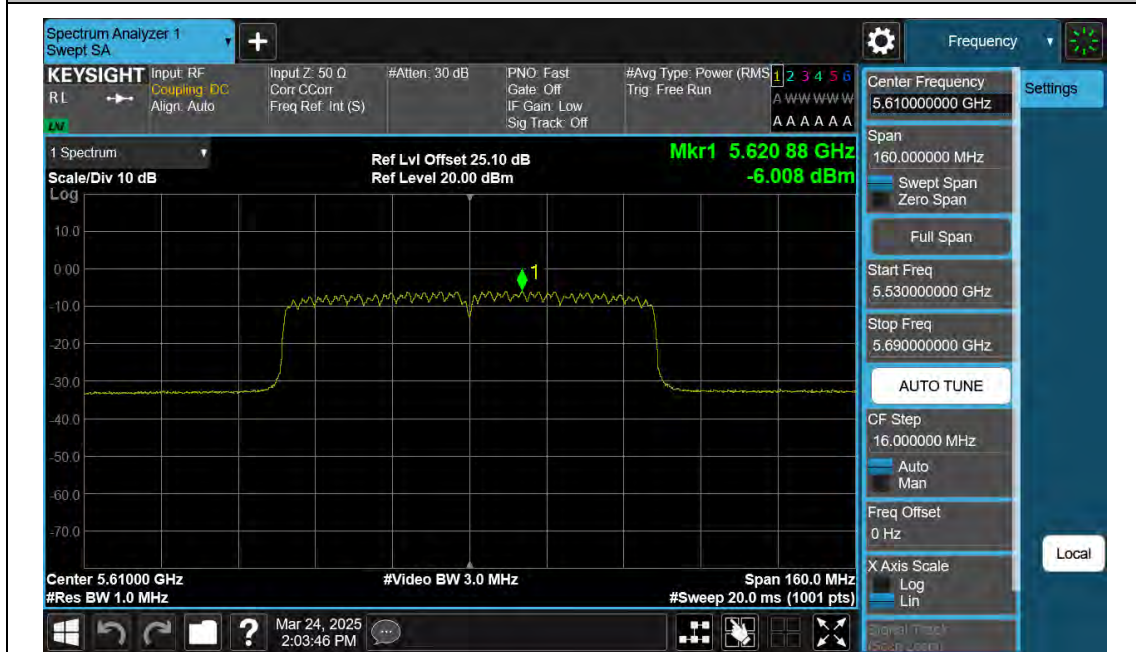
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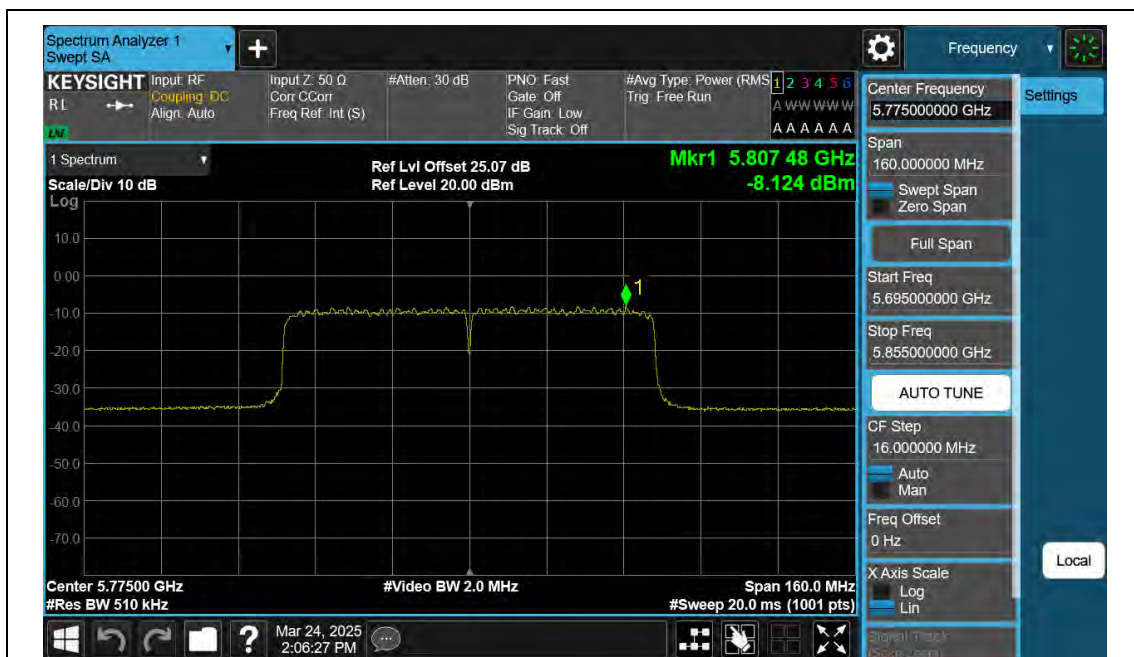
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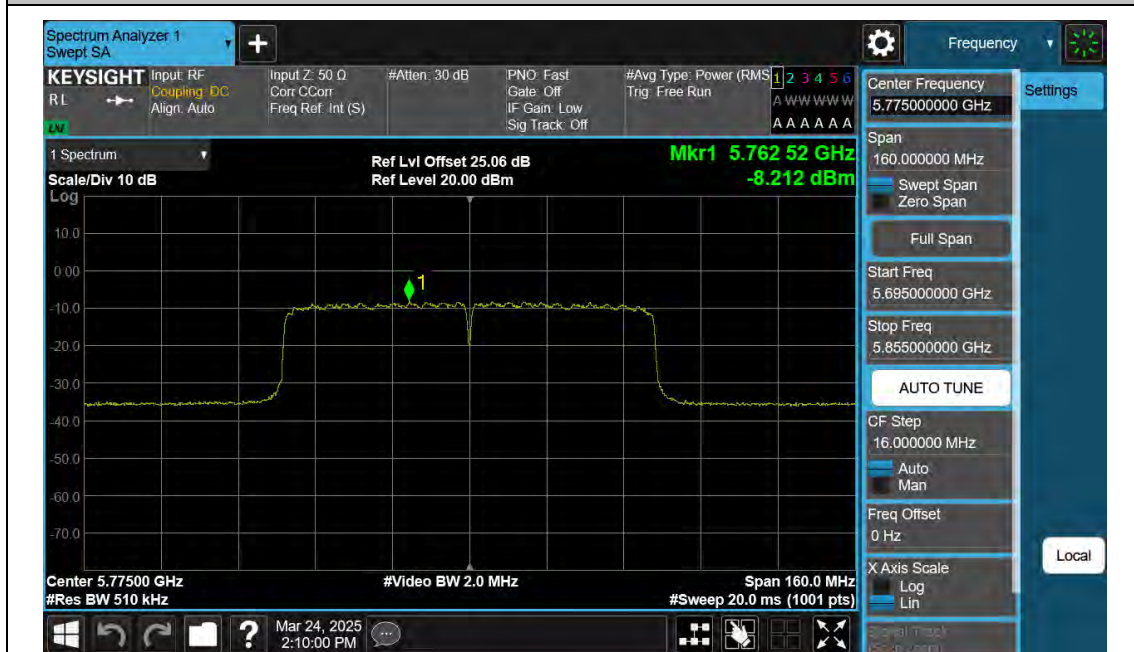
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11AC80SISO-Ant1-5775-PASS



11AC80SISO-Ant2-5775-PASS



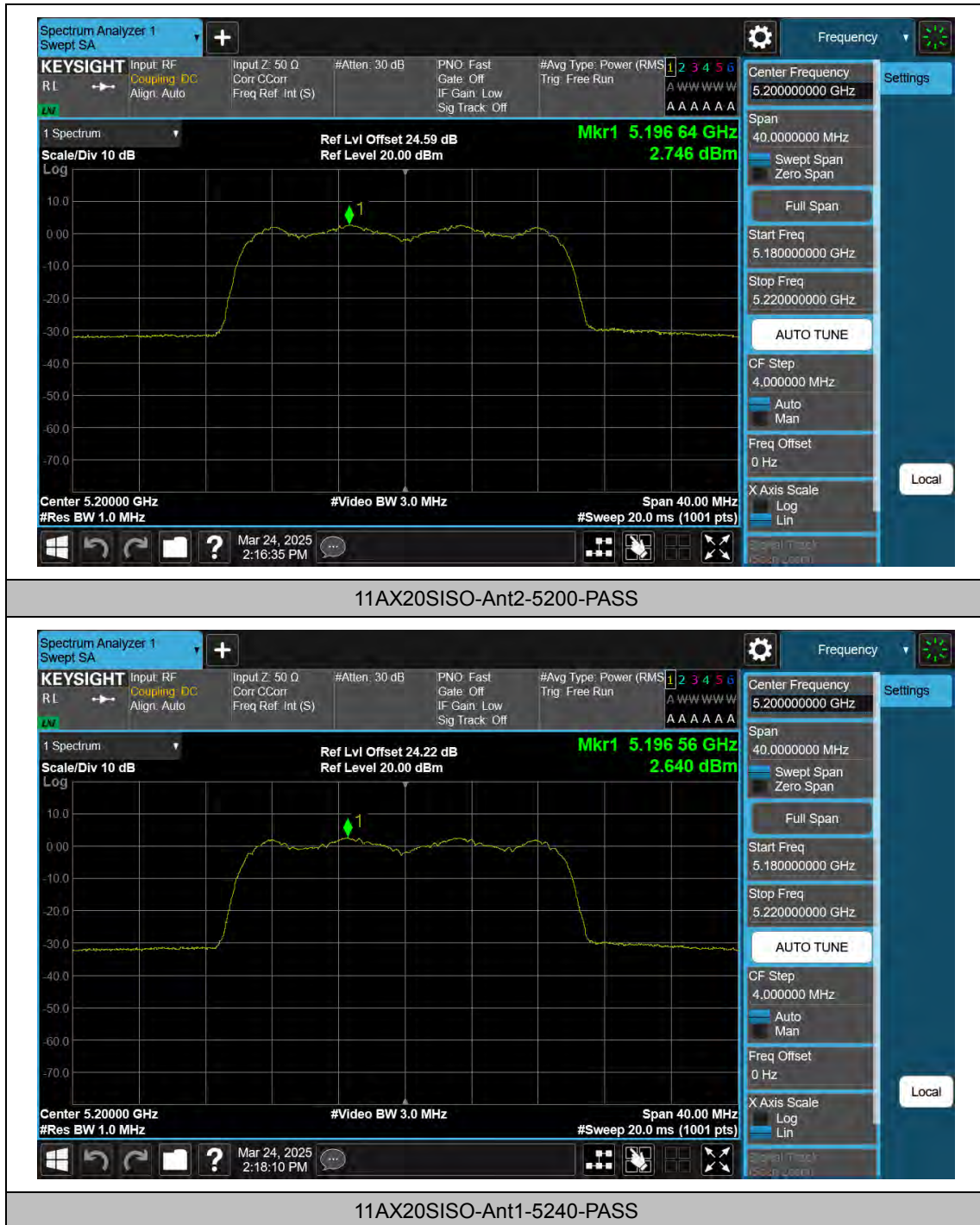
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11AX20SISO-Ant2-5180-PASS



11AX20SISO-Ant1-5200-PASS





11AX20SISO-Ant2-5240-PASS



11AX20SISO-Ant1-5260-PASS



11AX20SISO-Ant2-5260-PASS



11AX20SISO-Ant1-5300-PASS



11AX20SISO-Ant2-5300-PASS



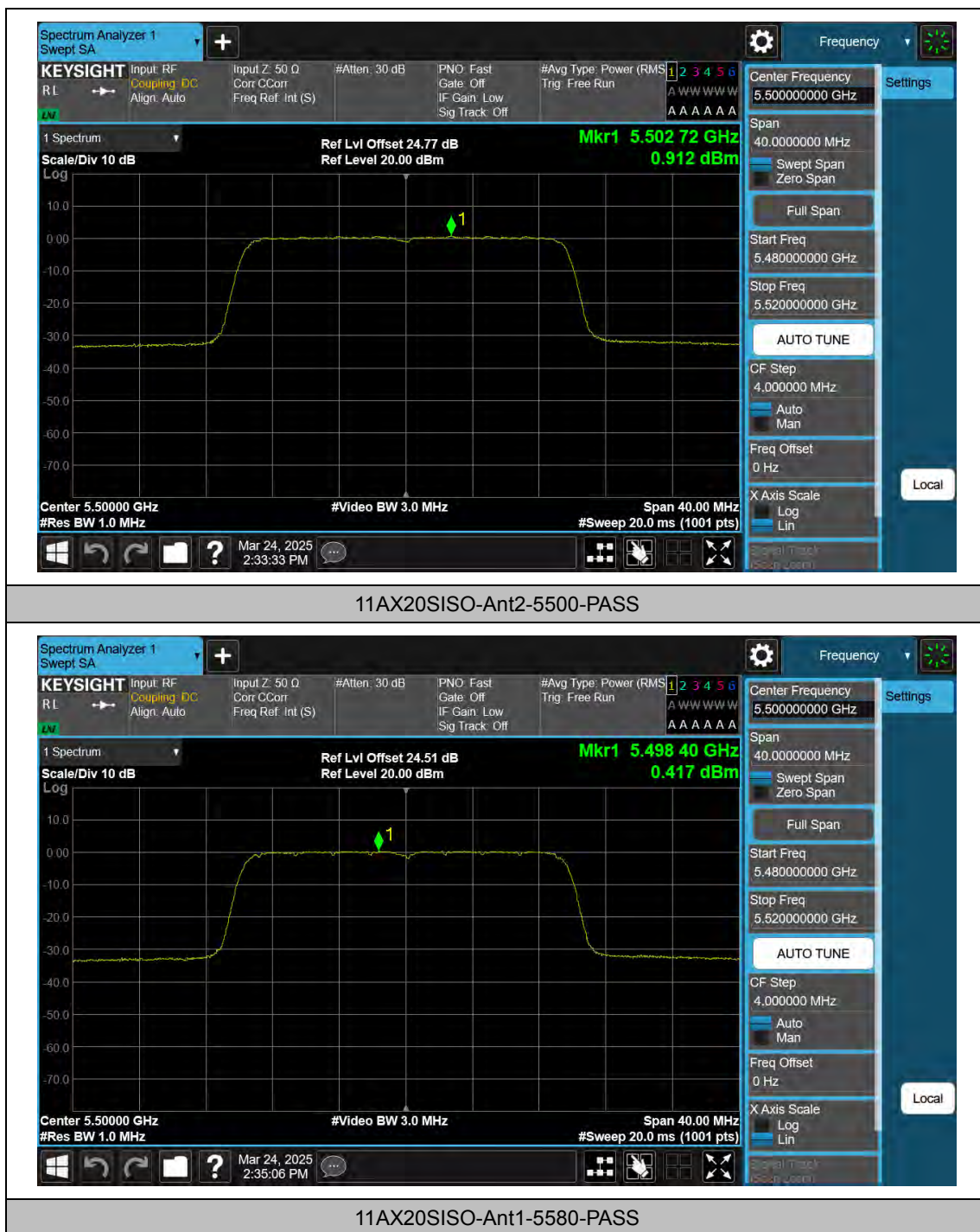
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11AX20SISO-Ant2-5320-PASS



11AX20SISO-Ant1-5500-PASS





11AX20SISO-Ant2-5580-PASS



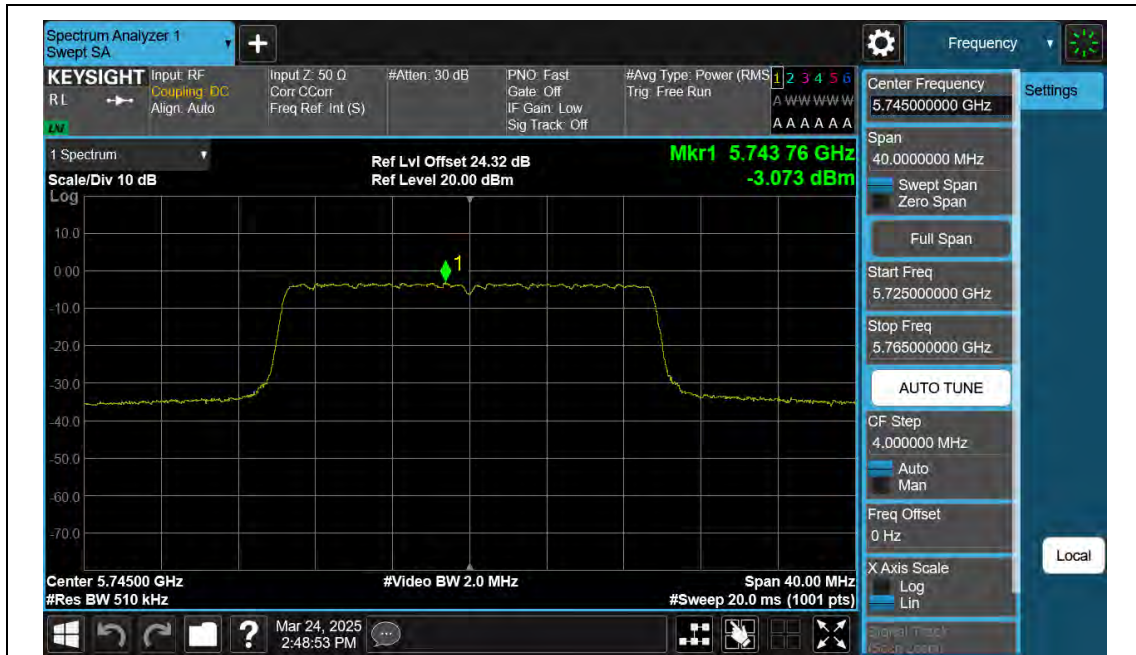
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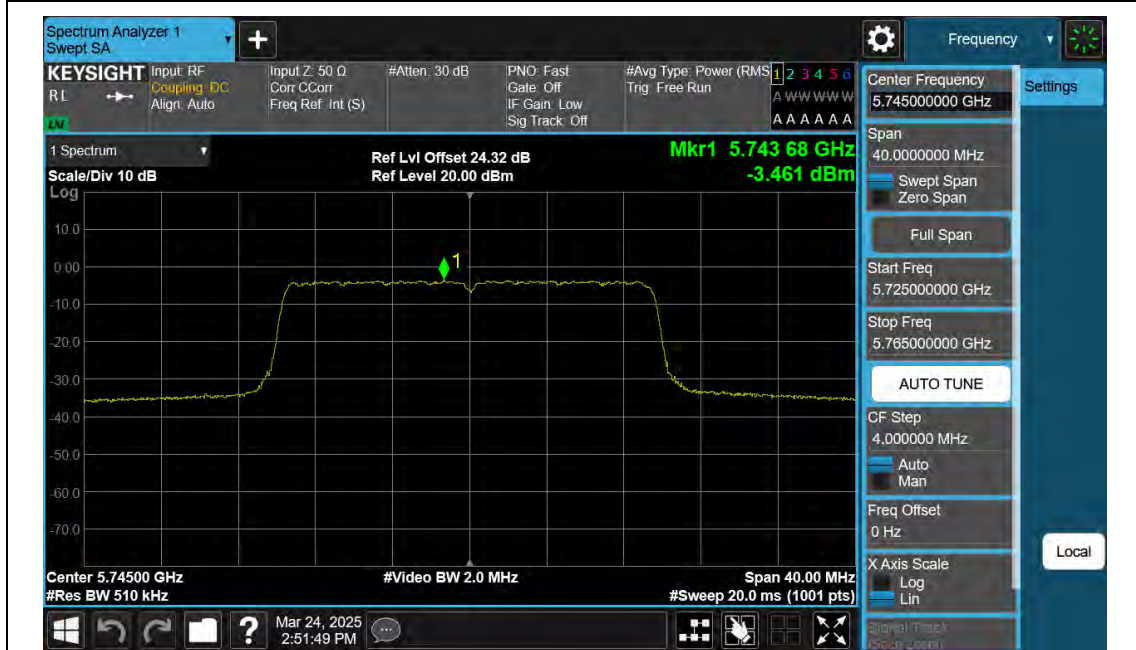
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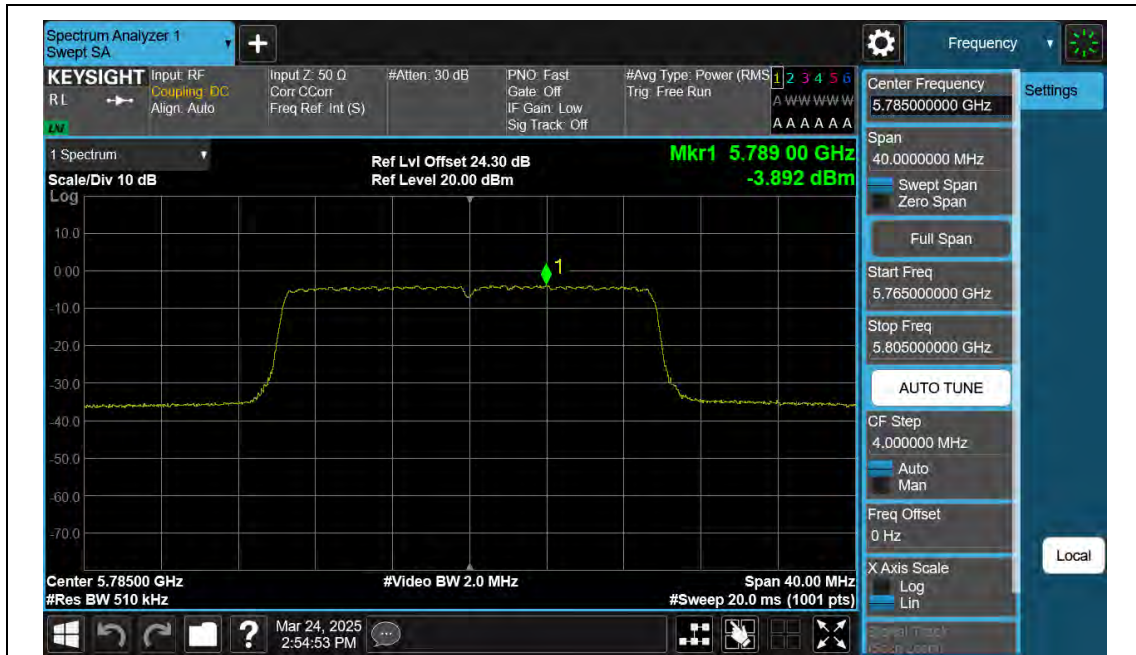
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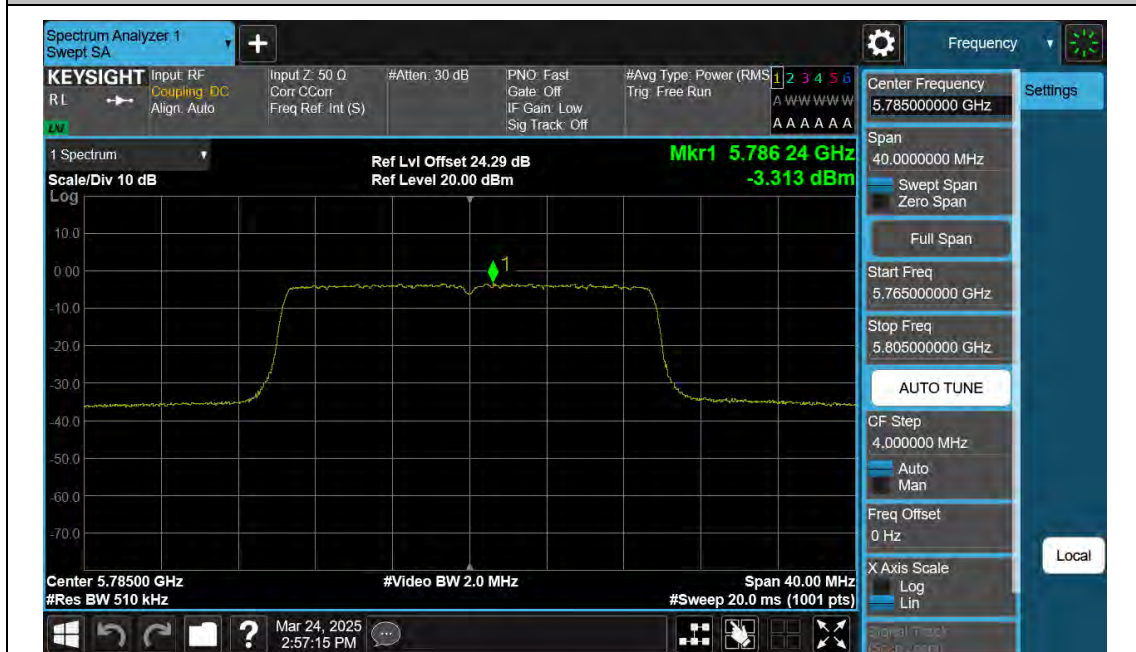
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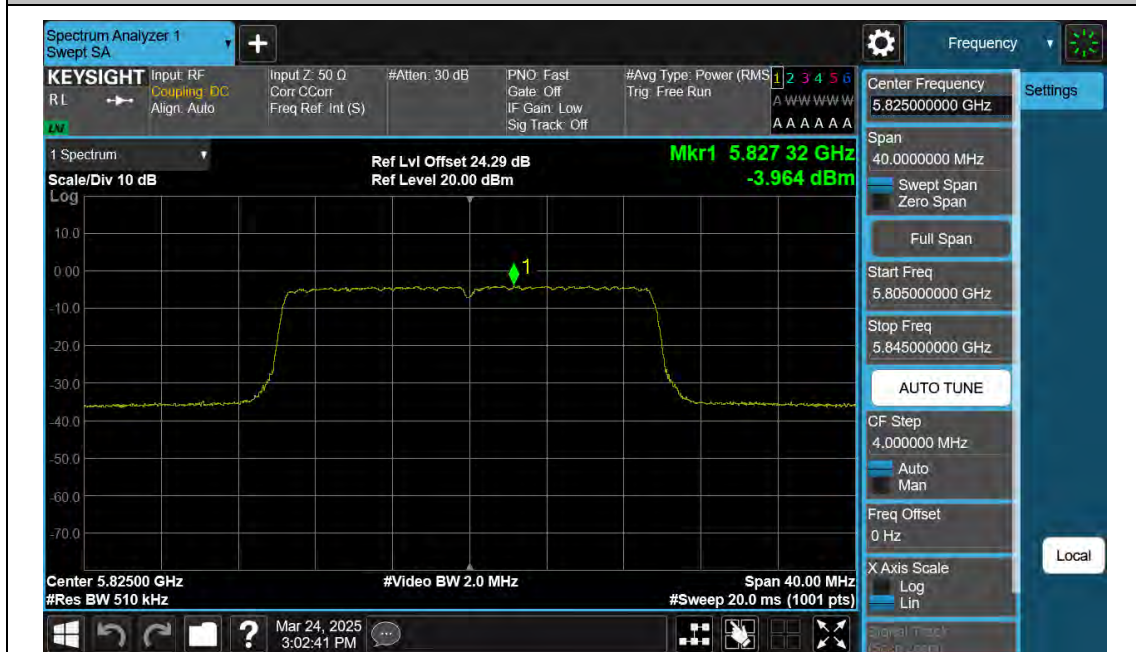
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11AX20SISO-Ant1-5825-PASS



11AX20SISO-Ant2-5825-PASS



11AX40SISO-Ant1-5190-PASS



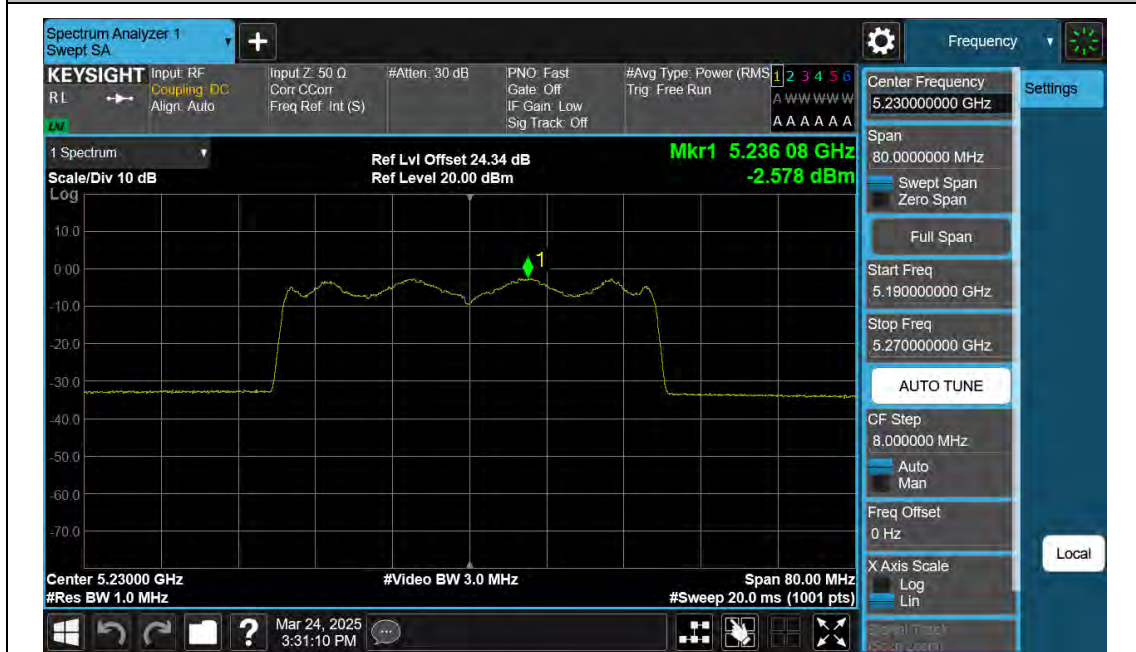
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11AX40SISO-Ant2-5230-PASS



11AX40SISO-Ant1-5270-PASS



11AX40SISO-Ant2-5270-PASS



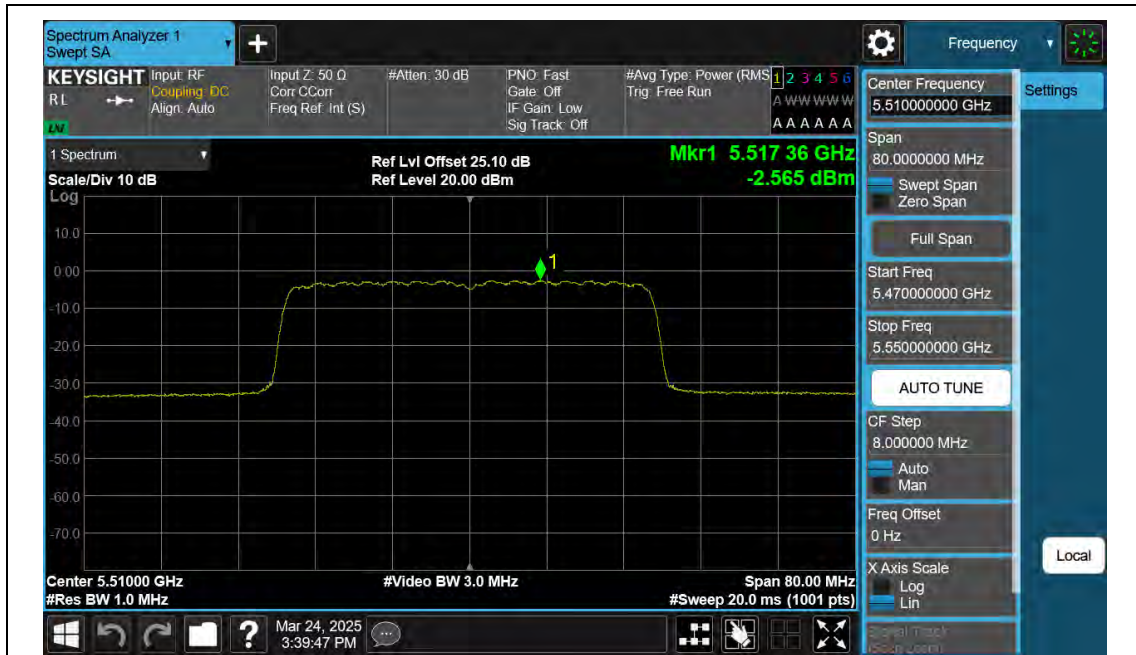
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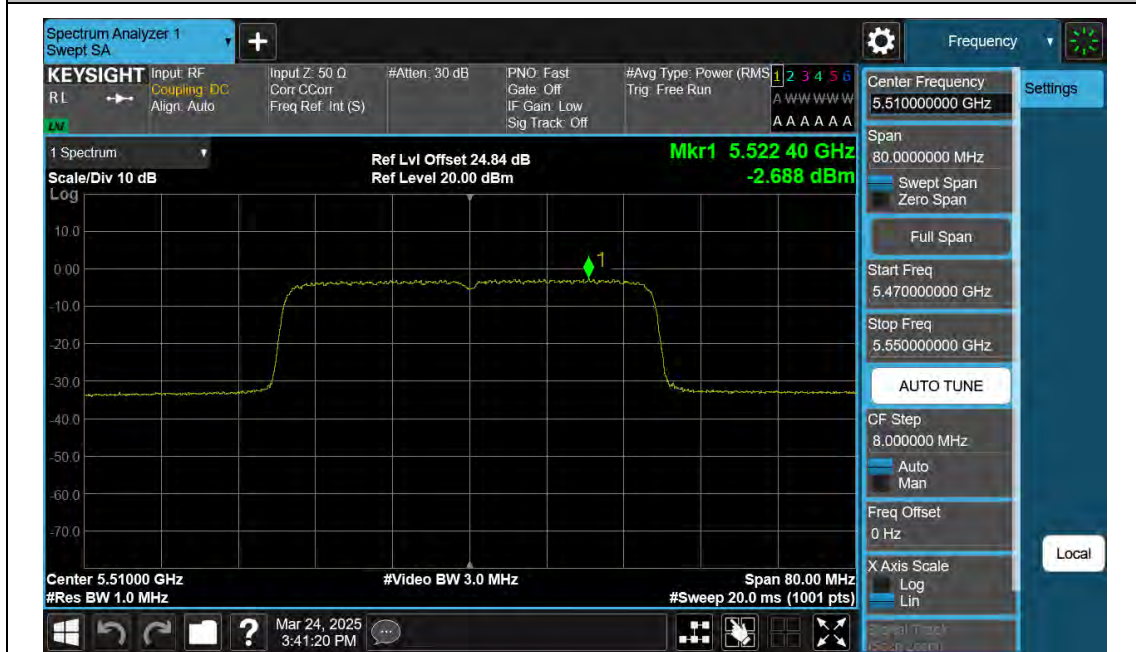
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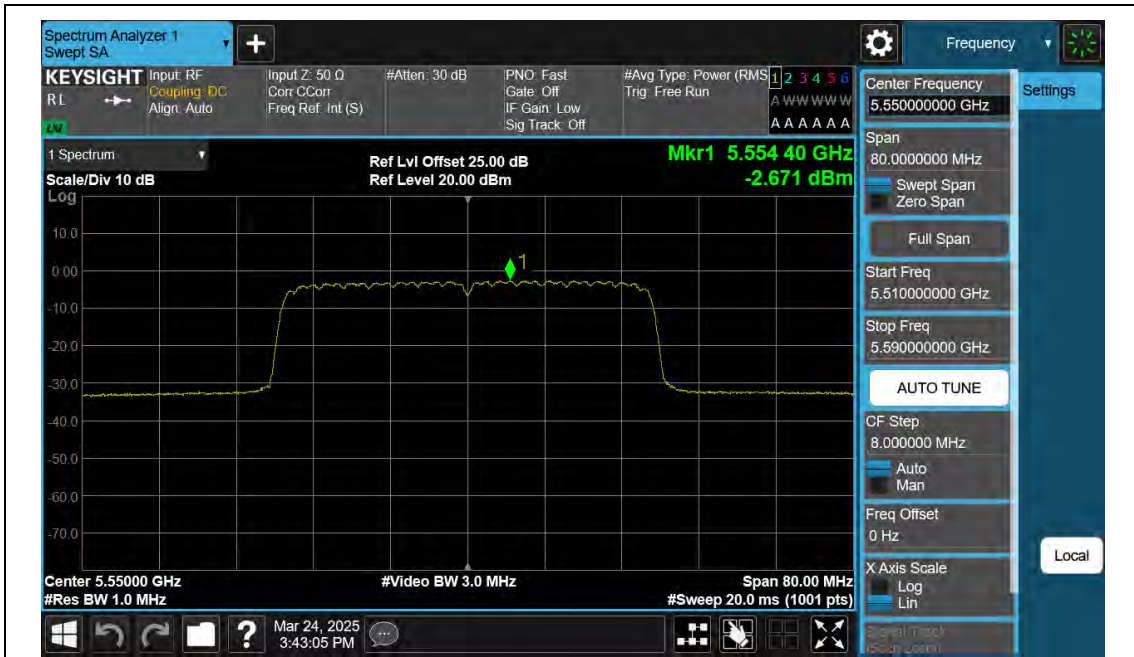
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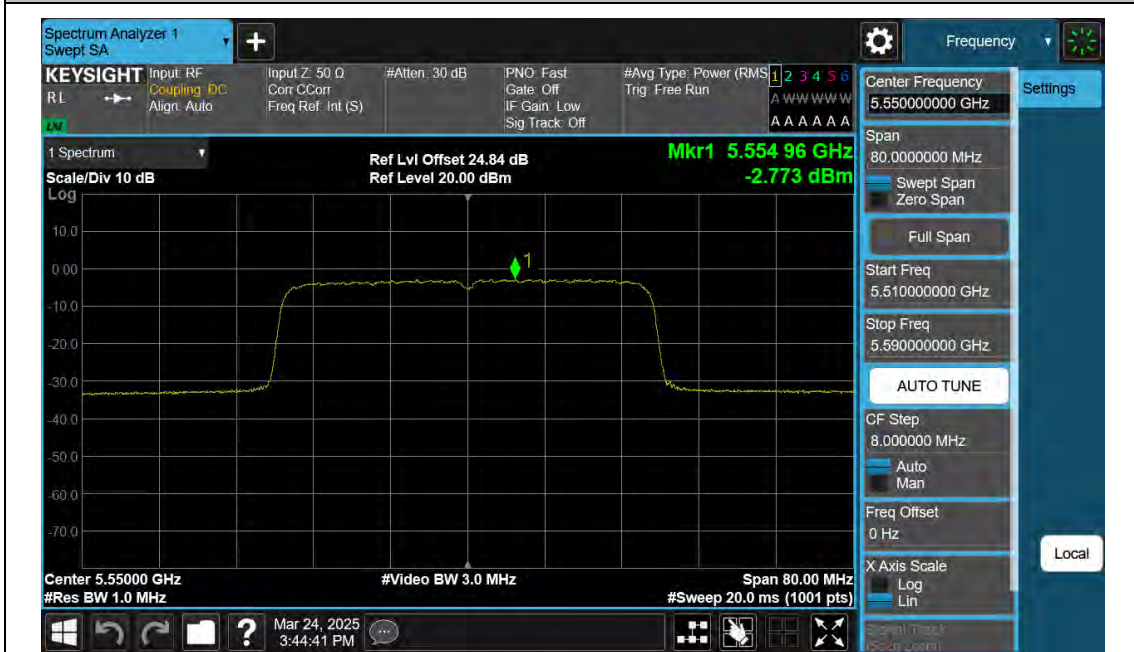
11AX40SISO-Ant2-5510-PASS



11AX40SISO-Ant1-5550-PASS



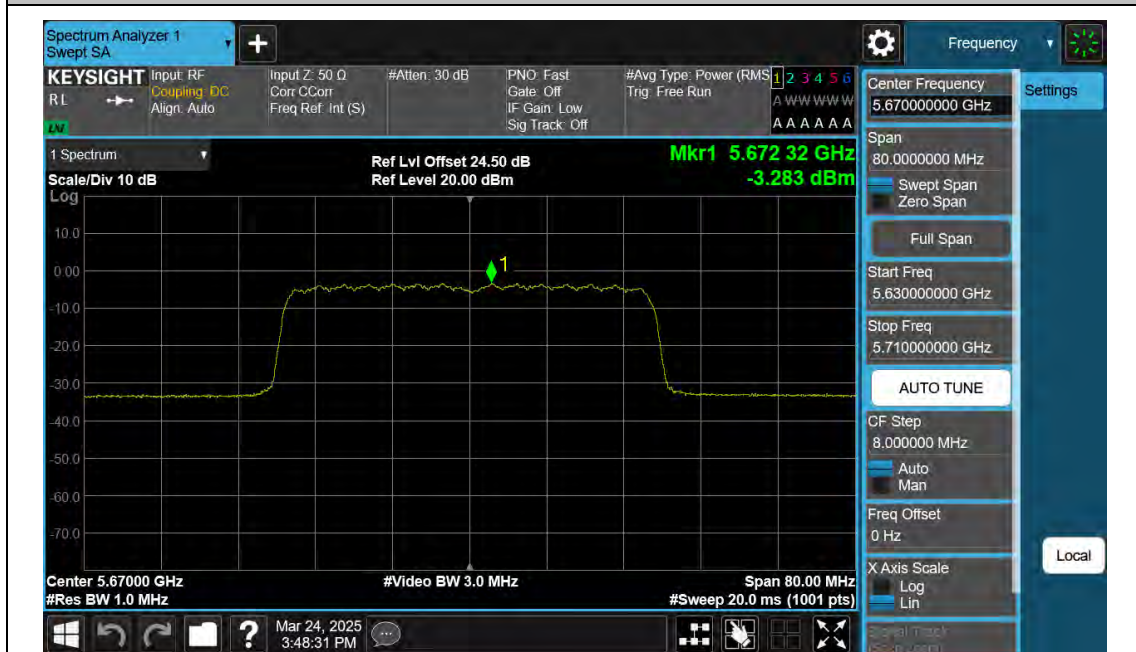
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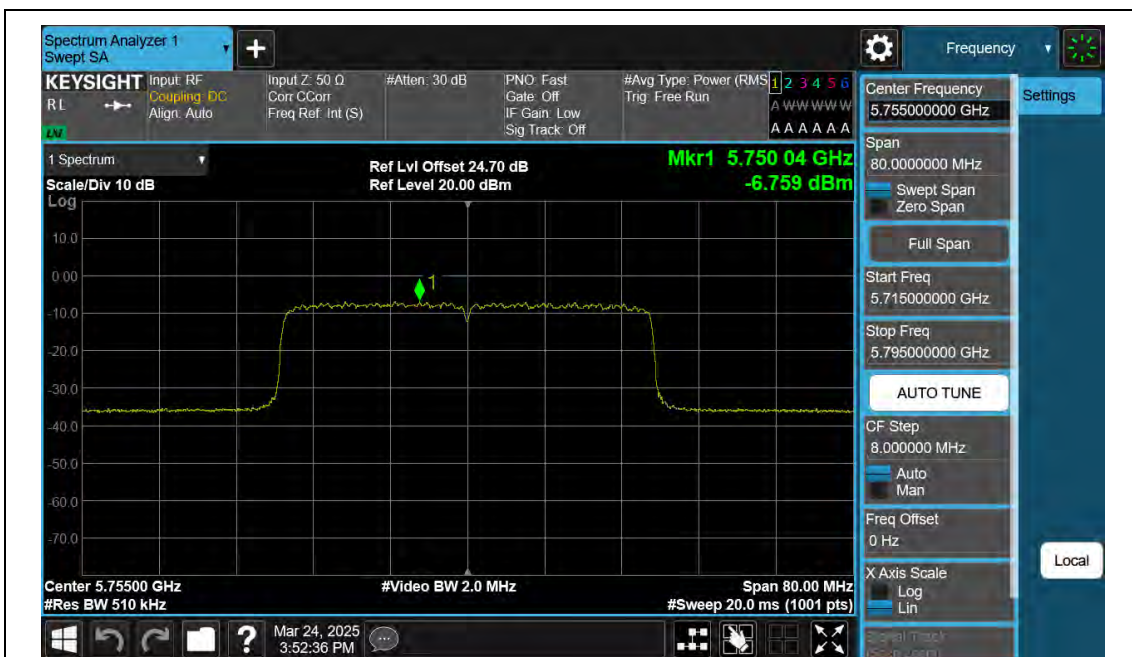
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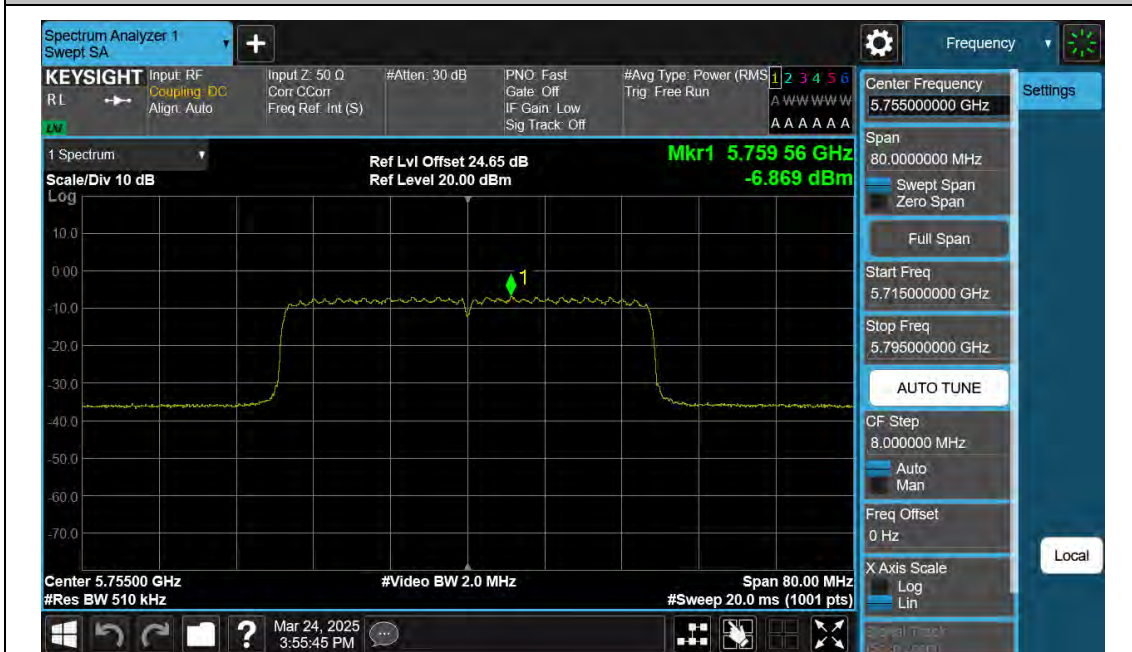
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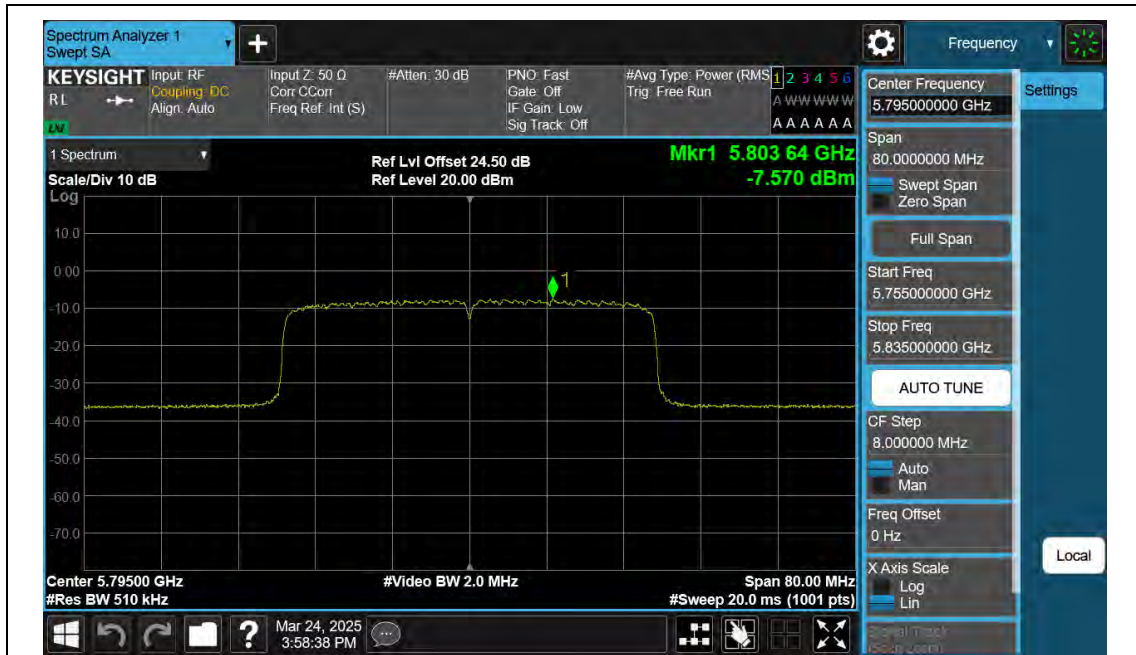
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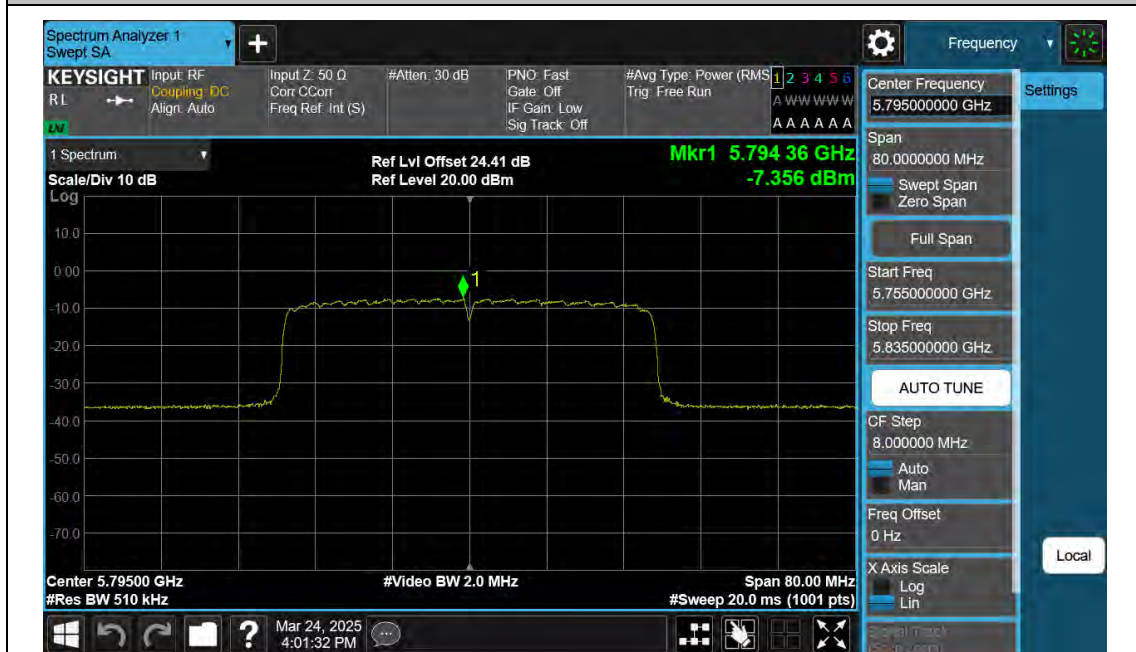
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11AX40SISO-Ant1-5795-PASS



11AX40SISO-Ant2-5795-PASS



11AX80SISO-Ant1-5210-PASS



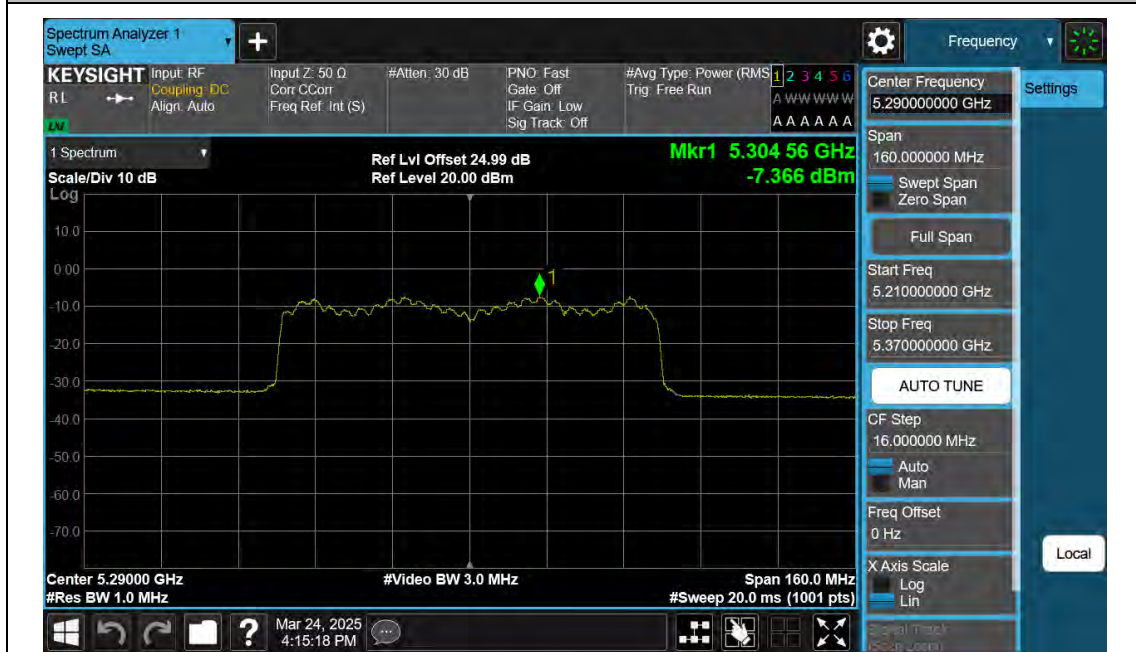
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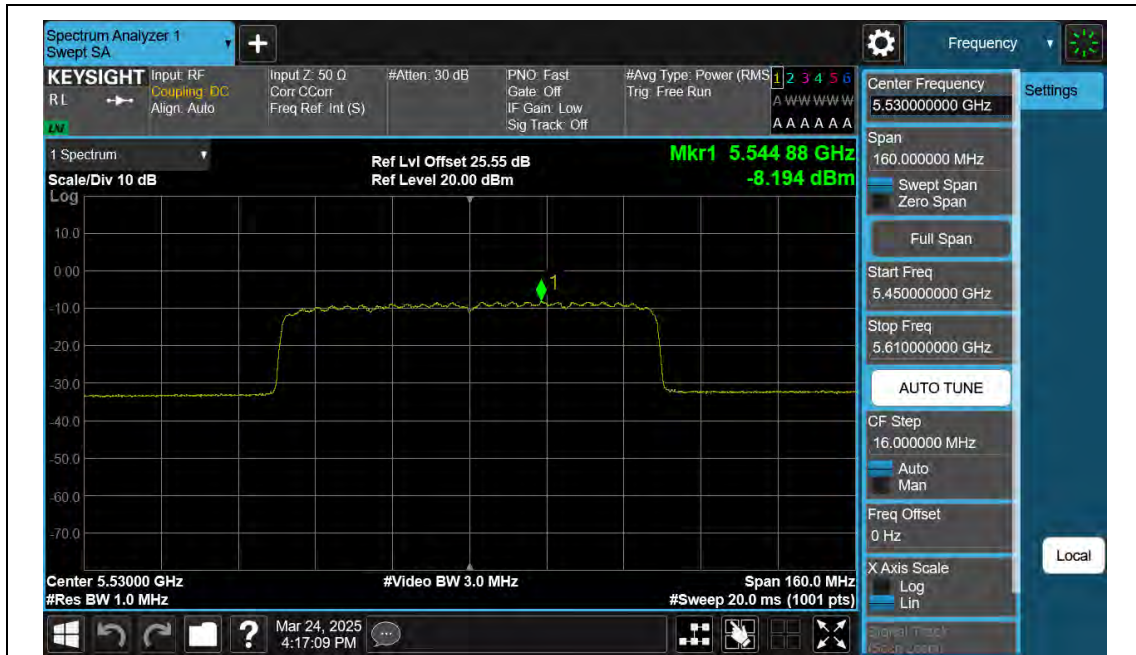
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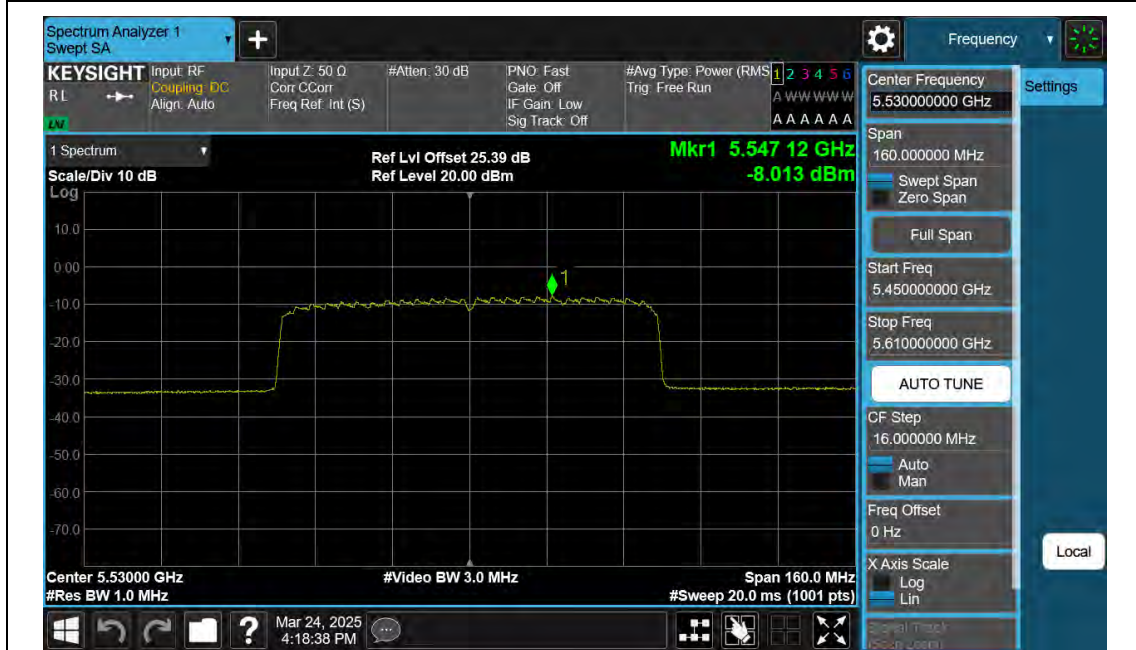
11AX80SISO-Ant2-5290-PASS



11AX80SISO-Ant1-5530-PASS



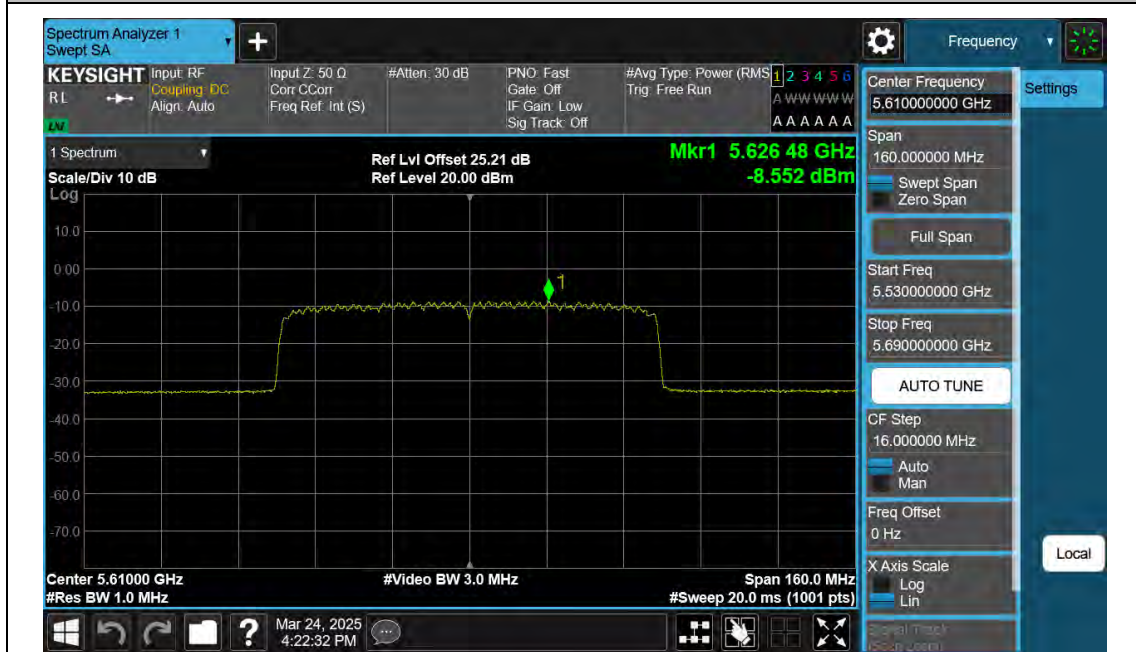
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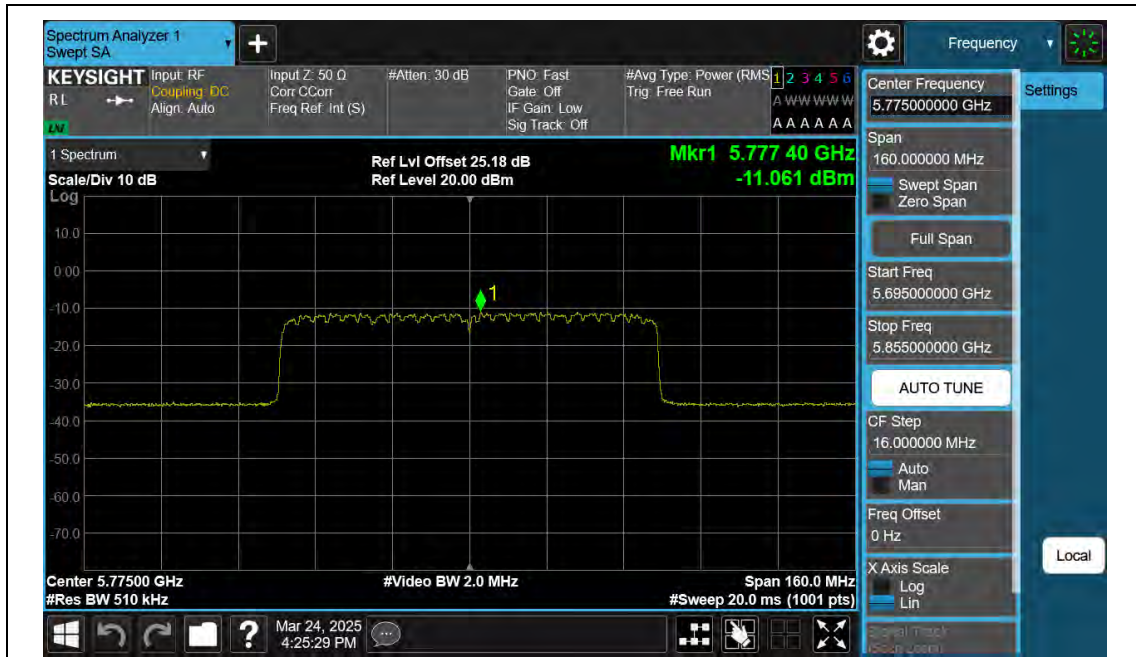
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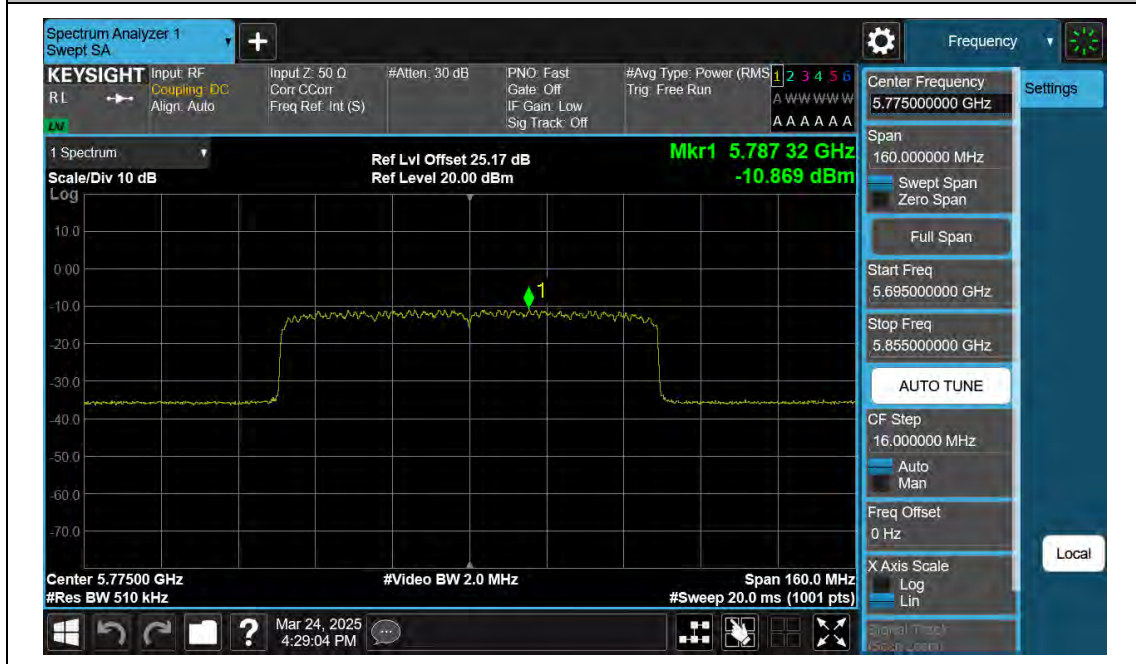
11AX80SISO-Ant2-5610-PASS



11AX80SISO-Ant1-5775-PASS



11AX80SISO-Ant2-5775-PASS



Appendix E: Band edge measurements

Test Result B4

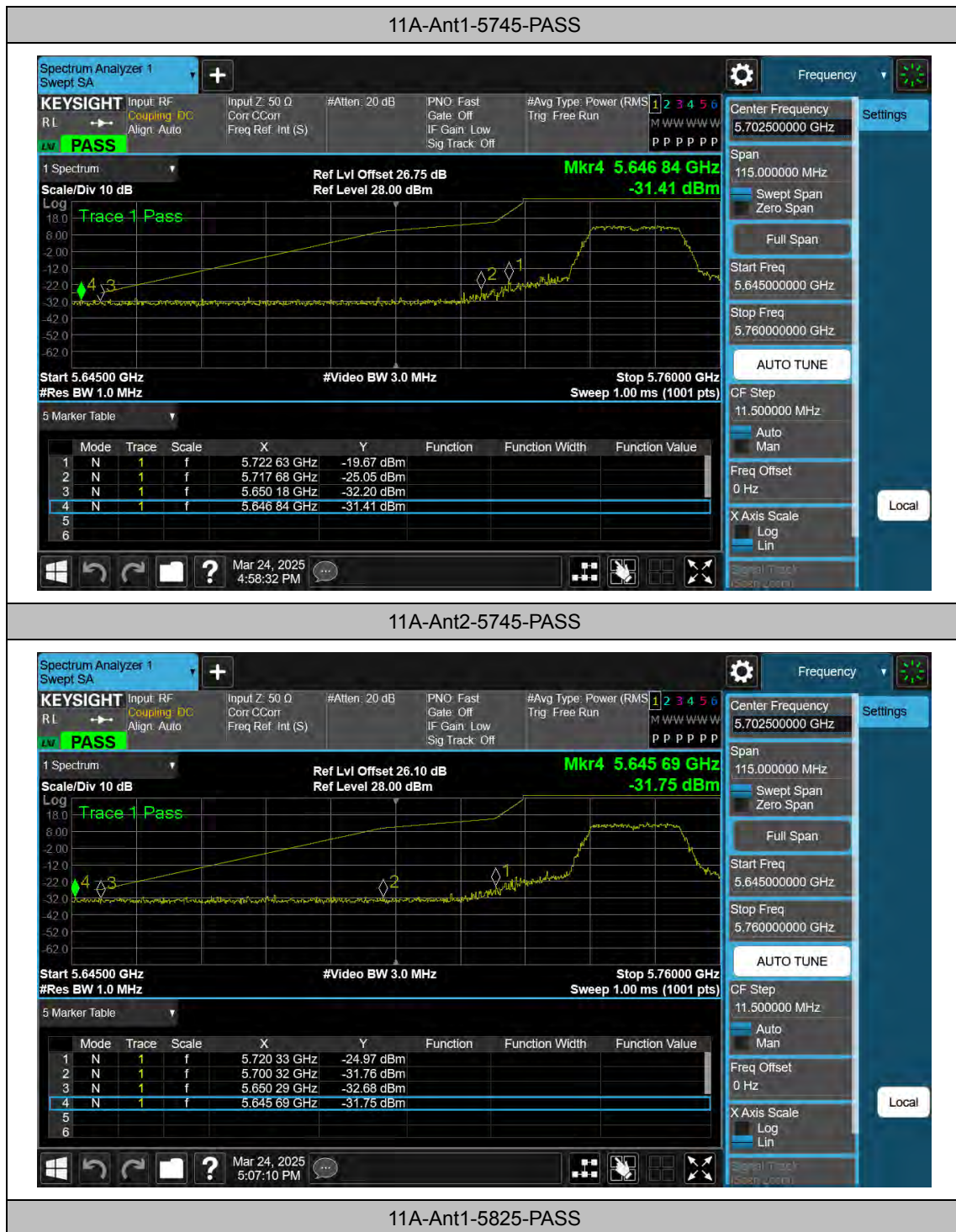
TestMode	Antenna	ChName	Frequency[MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5720~5725	-19.67	≤21.58	PASS
11A	Ant1	Low	5745	5700~5720	-25.05	≤14.95	PASS
11A	Ant1	Low	5745	5650~5700	-32.2	≤-26.87	PASS
11A	Ant1	Low	5745	5760~5650	-31.41	≤-27	PASS
11A	Ant2	Low	5745	5720~5725	-24.97	≤16.34	PASS
11A	Ant2	Low	5745	5700~5720	-31.76	≤10.09	PASS
11A	Ant2	Low	5745	5650~5700	-32.68	≤-26.79	PASS
11A	Ant2	Low	5745	5760~5650	-31.75	≤-27	PASS
11A	Ant1	High	5825	5850~5855	-28.57	≤16.34	PASS
11A	Ant1	High	5825	5855~5875	-25.41	≤14.44	PASS
11A	Ant1	High	5825	5875~5925	-30.4	≤-25.71	PASS
11A	Ant1	High	5825	5925~5935	-30.67	≤-27	PASS
11A	Ant2	High	5825	5850~5855	-26.2	≤17.88	PASS
11A	Ant2	High	5825	5855~5875	-25.21	≤15.01	PASS
11A	Ant2	High	5825	5875~5925	-32.05	≤-26.91	PASS
11A	Ant2	High	5825	5925~5935	-31.51	≤-27	PASS
11N20SISO	Ant1	Low	5745	5720~5725	-23.06	≤17.39	PASS
11N20SISO	Ant1	Low	5745	5700~5720	-25.86	≤12.44	PASS
11N20SISO	Ant1	Low	5745	5650~5700	-32.01	≤-26.87	PASS
11N20SISO	Ant1	Low	5745	5760~5650	-31.69	≤-27	PASS
11N20SISO	Ant2	Low	5745	5720~5725	-26.02	≤16.60	PASS
11N20SISO	Ant2	Low	5745	5700~5720	-28.44	≤10.60	PASS
11N20SISO	Ant2	Low	5745	5650~5700	-31.58	≤-26.45	PASS
11N20SISO	Ant2	Low	5745	5760~5650	-32.91	≤-27	PASS
11N20SISO	Ant1	High	5825	5850~5855	-27.5	≤16.34	PASS
11N20SISO	Ant1	High	5825	5855~5875	-27.11	≤13.65	PASS
11N20SISO	Ant1	High	5825	5875~5925	-31.6	≤-26.31	PASS
11N20SISO	Ant1	High	5825	5925~5935	-30.34	≤-27	PASS
11N20SISO	Ant2	High	5825	5850~5855	-29.16	≤17.57	PASS
11N20SISO	Ant2	High	5825	5855~5875	-29.59	≤11.80	PASS
11N20SISO	Ant2	High	5825	5875~5925	-31.86	≤-26.11	PASS
11N20SISO	Ant2	High	5825	5925~5935	-30.16	≤-27	PASS
11N40SISO	Ant1	Low	5755	5720~5725	-20.7	≤15.74	PASS
11N40SISO	Ant1	Low	5755	5700~5720	-20.34	≤15.20	PASS
11N40SISO	Ant1	Low	5755	5650~5700	-31.04	≤-26.90	PASS
11N40SISO	Ant1	Low	5755	5780~5650	-31.41	≤-27	PASS
11N40SISO	Ant2	Low	5755	5720~5725	-36.04	≤15.74	PASS

11N40SISO	Ant2	Low	5755	5700~5720	-36.15	≤14.07	PASS
11N40SISO	Ant2	Low	5755	5650~5700	-41.78	≤-26.40	PASS
11N40SISO	Ant2	Low	5755	5780~5650	-40.97	≤-27	PASS
11N40SISO	Ant1	High	5795	5850~5855	-32.15	≤15.66	PASS
11N40SISO	Ant1	High	5795	5855~5875	-31.39	≤10.43	PASS
11N40SISO	Ant1	High	5795	5875~5925	-31.36	≤-26.83	PASS
11N40SISO	Ant1	High	5795	5925~5935	-29.02	≤-27	PASS
11N40SISO	Ant2	High	5795	5850~5855	-31.26	≤16.79	PASS
11N40SISO	Ant2	High	5795	5855~5875	-31.96	≤10.34	PASS
11N40SISO	Ant2	High	5795	5875~5925	-31.82	≤-25.24	PASS
11N40SISO	Ant2	High	5795	5925~5935	-31.86	≤-27	PASS
11AC20SISO	Ant1	Low	5745	5720~5725	-20.23	≤18.18	PASS
11AC20SISO	Ant1	Low	5745	5700~5720	-25.99	≤10.83	PASS
11AC20SISO	Ant1	Low	5745	5650~5700	-31.15	≤-26.87	PASS
11AC20SISO	Ant1	Low	5745	5760~5650	-30.88	≤-27	PASS
11AC20SISO	Ant2	Low	5745	5720~5725	-32.69	≤15.82	PASS
11AC20SISO	Ant2	Low	5745	5700~5720	-31.39	≤10.64	PASS
11AC20SISO	Ant2	Low	5745	5650~5700	-32.99	≤-26.96	PASS
11AC20SISO	Ant2	Low	5745	5760~5650	-31.81	≤-27	PASS
11AC20SISO	Ant1	High	5825	5850~5855	-29.61	≤16.03	PASS
11AC20SISO	Ant1	High	5825	5855~5875	-30.57	≤10.85	PASS
11AC20SISO	Ant1	High	5825	5875~5925	-31.77	≤-26.61	PASS
11AC20SISO	Ant1	High	5825	5925~5935	-30.37	≤-27	PASS
11AC20SISO	Ant2	High	5825	5850~5855	-28.03	≤17.26	PASS
11AC20SISO	Ant2	High	5825	5855~5875	-28.7	≤11.42	PASS
11AC20SISO	Ant2	High	5825	5875~5925	-31.52	≤-26.61	PASS
11AC20SISO	Ant2	High	5825	5925~5935	-31.28	≤-27	PASS
11AC40SISO	Ant1	Low	5755	5720~5725	-21.43	≤16.97	PASS
11AC40SISO	Ant1	Low	5755	5700~5720	-21.32	≤13.99	PASS
11AC40SISO	Ant1	Low	5755	5650~5700	-30.89	≤-26.80	PASS
11AC40SISO	Ant1	Low	5755	5780~5650	-31.45	≤-27	PASS
11AC40SISO	Ant2	Low	5755	5720~5725	-23.69	≤15.74	PASS
11AC40SISO	Ant2	Low	5755	5700~5720	-22.05	≤14.14	PASS
11AC40SISO	Ant2	Low	5755	5650~5700	-31.93	≤-25.90	PASS
11AC40SISO	Ant2	Low	5755	5780~5650	-31.4	≤-27	PASS
11AC40SISO	Ant1	High	5795	5850~5855	-32.91	≤15.66	PASS
11AC40SISO	Ant1	High	5795	5855~5875	-31.33	≤10.80	PASS
11AC40SISO	Ant1	High	5795	5875~5925	-30.96	≤-26.22	PASS
11AC40SISO	Ant1	High	5795	5925~5935	-30.43	≤-27	PASS
11AC40SISO	Ant2	High	5795	5850~5855	-31.2	≤15.66	PASS
11AC40SISO	Ant2	High	5795	5855~5875	-32.75	≤10.20	PASS
11AC40SISO	Ant2	High	5795	5875~5925	-32.6	≤-26.71	PASS
11AC40SISO	Ant2	High	5795	5925~5935	-31.65	≤-27	PASS

11AC80SISO	Ant1	Low	5775	5720~5725	-24.46	≤15.65	PASS
11AC80SISO	Ant1	Low	5775	5700~5720	-24.72	≤10.14	PASS
11AC80SISO	Ant1	Low	5775	5650~5700	-31.04	≤-26.00	PASS
11AC80SISO	Ant1	Low	5775	5800~5650	-29.9	≤-27	PASS
11AC80SISO	Ant1	High	5775	5850~5855	-30.15	≤15.84	PASS
11AC80SISO	Ant1	High	5775	5855~5875	-29.55	≤12.57	PASS
11AC80SISO	Ant1	High	5775	5875~5925	-30.44	≤-25.64	PASS
11AC80SISO	Ant1	High	5775	5925~5935	-30.24	≤-27	PASS
11AC80SISO	Ant2	Low	5775	5720~5725	-25.11	≤16.71	PASS
11AC80SISO	Ant2	Low	5775	5700~5720	-26.79	≤10.27	PASS
11AC80SISO	Ant2	Low	5775	5650~5700	-31.23	≤-26.11	PASS
11AC80SISO	Ant2	Low	5775	5800~5650	-32.28	≤-27	PASS
11AC80SISO	Ant2	High	5775	5850~5855	-32.34	≤15.84	PASS
11AC80SISO	Ant2	High	5775	5855~5875	-29.64	≤11.69	PASS
11AC80SISO	Ant2	High	5775	5875~5925	-31.34	≤-26.60	PASS
11AC80SISO	Ant2	High	5775	5925~5935	-31.81	≤-27	PASS
11AX20SISO	Ant1	Low	5745	5720~5725	-28.17	≤15.82	PASS
11AX20SISO	Ant1	Low	5745	5700~5720	-25.72	≤14.89	PASS
11AX20SISO	Ant1	Low	5745	5650~5700	-31.75	≤-26.19	PASS
11AX20SISO	Ant1	Low	5745	5760~5650	-31.69	≤-27	PASS
11AX20SISO	Ant2	Low	5745	5720~5725	-25.37	≤19.23	PASS
11AX20SISO	Ant2	Low	5745	5700~5720	-31.71	≤10.12	PASS
11AX20SISO	Ant2	Low	5745	5650~5700	-31	≤-26.96	PASS
11AX20SISO	Ant2	Low	5745	5760~5650	-31.68	≤-27	PASS
11AX20SISO	Ant1	High	5825	5850~5855	-30.61	≤16.34	PASS
11AX20SISO	Ant1	High	5825	5855~5875	-31.58	≤10.10	PASS
11AX20SISO	Ant1	High	5825	5875~5925	-30.3	≤-26.31	PASS
11AX20SISO	Ant1	High	5825	5925~5935	-29.72	≤-27	PASS
11AX20SISO	Ant2	High	5825	5850~5855	-31.17	≤17.88	PASS
11AX20SISO	Ant2	High	5825	5855~5875	-30.93	≤10.70	PASS
11AX20SISO	Ant2	High	5825	5875~5925	-31.25	≤-25.91	PASS
11AX20SISO	Ant2	High	5825	5925~5935	-30.4	≤-27	PASS
11AX40SISO	Ant1	Low	5755	5720~5725	-29.45	≤16.35	PASS
11AX40SISO	Ant1	Low	5755	5700~5720	-25.06	≤14.90	PASS
11AX40SISO	Ant1	Low	5755	5650~5700	-32.51	≤-26.90	PASS
11AX40SISO	Ant1	Low	5755	5780~5650	-32	≤-27	PASS
11AX40SISO	Ant2	Low	5755	5720~5725	-25.46	≤17.28	PASS
11AX40SISO	Ant2	Low	5755	5700~5720	-30.63	≤10.32	PASS
11AX40SISO	Ant2	Low	5755	5650~5700	-32.6	≤-26.90	PASS
11AX40SISO	Ant2	Low	5755	5780~5650	-32.09	≤-27	PASS
11AX40SISO	Ant1	High	5795	5850~5855	-30.72	≤15.66	PASS
11AX40SISO	Ant1	High	5795	5855~5875	-30.21	≤11.13	PASS
11AX40SISO	Ant1	High	5795	5875~5925	-30.5	≤-26.59	PASS

11AX40SISO	Ant1	High	5795	5925~5935	-30.4	≤ -27	PASS
11AX40SISO	Ant2	High	5795	5850~5855	-33.21	≤ 15.66	PASS
11AX40SISO	Ant2	High	5795	5855~5875	-31.4	≤ 10.25	PASS
11AX40SISO	Ant2	High	5795	5875~5925	-30.96	≤ -26.10	PASS
11AX40SISO	Ant2	High	5795	5925~5935	-30.65	≤ -27	PASS
11AX80SISO	Ant1	Low	5775	5720~5725	-32.4	≤ 15.65	PASS
11AX80SISO	Ant1	Low	5775	5700~5720	-31.63	≤ 10.18	PASS
11AX80SISO	Ant1	Low	5775	5650~5700	-32.7	≤ -26.91	PASS
11AX80SISO	Ant1	Low	5775	5800~5650	-31.62	≤ -27	PASS
11AX80SISO	Ant1	High	5775	5850~5855	-31.83	≤ 16.26	PASS
11AX80SISO	Ant1	High	5775	5855~5875	-30.34	≤ 10.97	PASS
11AX80SISO	Ant1	High	5775	5875~5925	-30.33	≤ -26.73	PASS
11AX80SISO	Ant1	High	5775	5925~5935	-31.21	≤ -27	PASS
11AX80SISO	Ant2	Low	5775	5720~5725	-33.37	≤ 16.00	PASS
11AX80SISO	Ant2	Low	5775	5700~5720	-31.06	≤ 10.27	PASS
11AX80SISO	Ant2	Low	5775	5650~5700	-31.85	≤ -26.91	PASS
11AX80SISO	Ant2	Low	5775	5800~5650	-32.06	≤ -27	PASS
11AX80SISO	Ant2	High	5775	5850~5855	-30.57	≤ 17.53	PASS
11AX80SISO	Ant2	High	5775	5855~5875	-30.46	≤ 11.64	PASS
11AX80SISO	Ant2	High	5775	5875~5925	-31.95	≤ -26.19	PASS
11AX80SISO	Ant2	High	5775	5925~5935	-30.27	≤ -27	PASS

Test Graphs B4





11A-Ant2-5825-PASS



11N20SISO-Ant1-5745-PASS



11N20SISO-Ant2-5745-PASS



11N20SISO-Ant1-5825-PASS



11N20SISO-Ant2-5825-PASS



11N40SISO-Ant1-5755-PASS



11N40SISO-Ant2-5755-PASS



11N40SISO-Ant1-5795-PASS



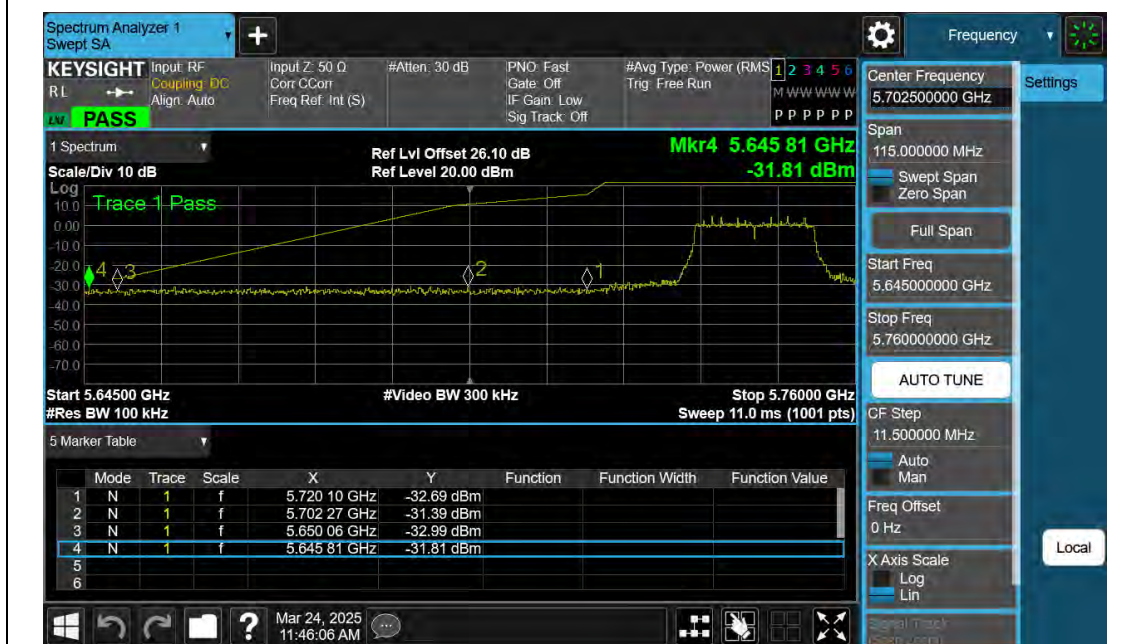
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11AC20SISO-Ant1-5745-PASS



11AC20SISO-Ant2-5745-PASS



11AC20SISO-Ant1-5825-PASS



11AC20SISO-Ant2-5825-PASS



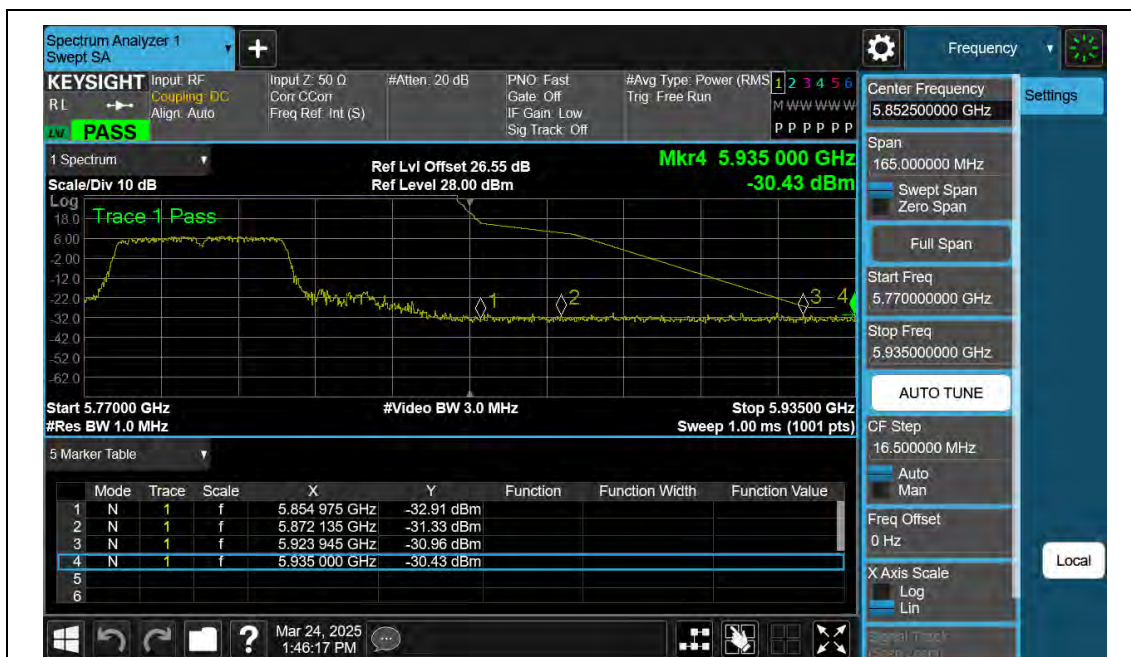
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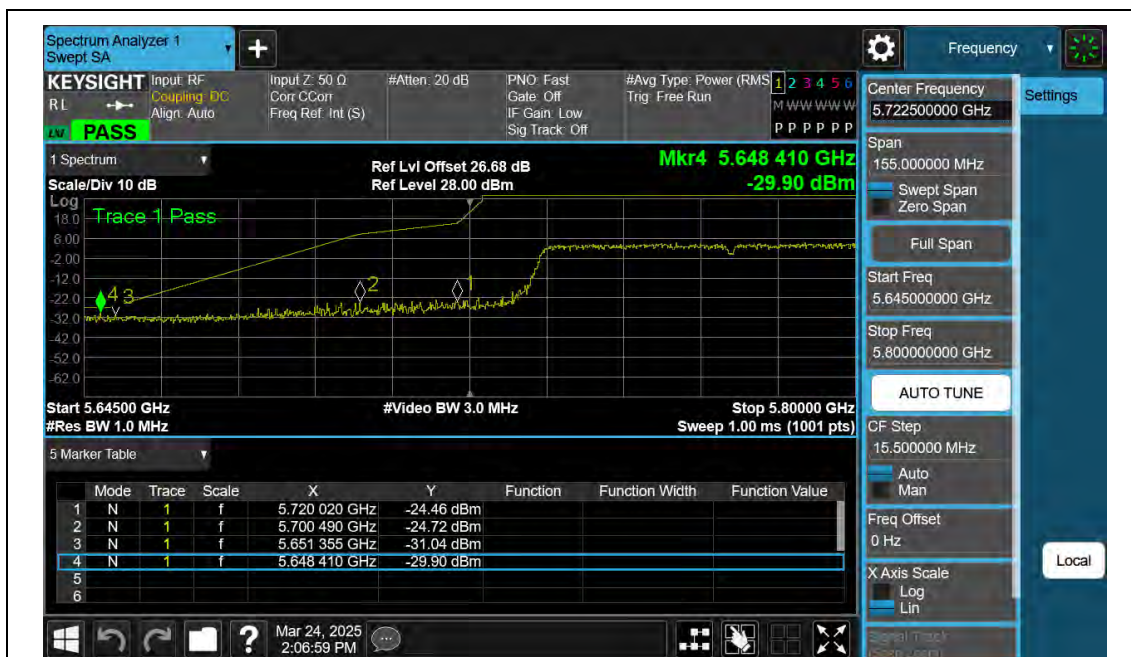
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11AC40SISO-Ant2-5795-PASS



11AC80SISO-Ant1-5775-PASS



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11AC80SISO-Ant2-5775-PASS



11AC80SISO-Ant2-5775-PASS



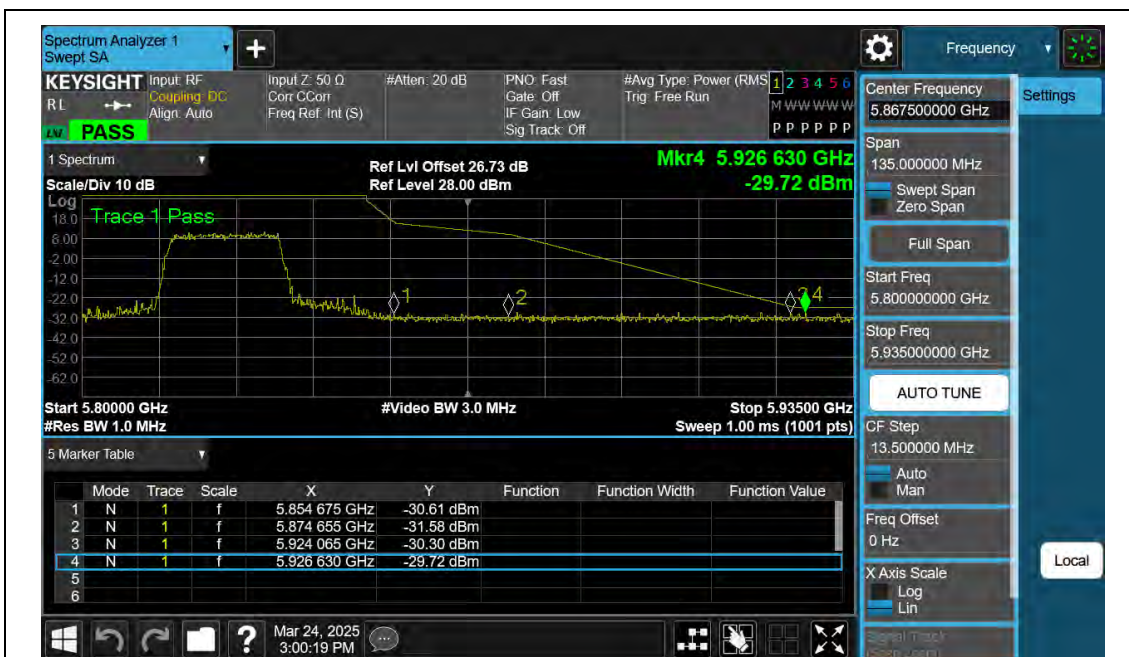
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11AX20SISO-Ant2-5745-PASS



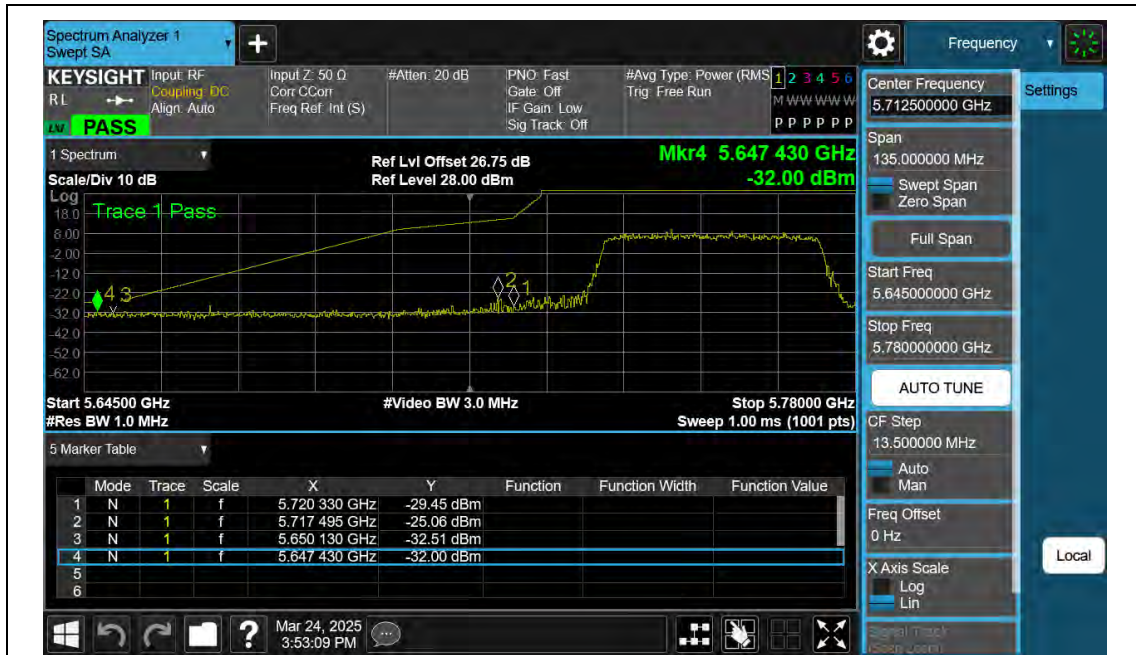
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11AX20SISO-Ant2-5825-PASS



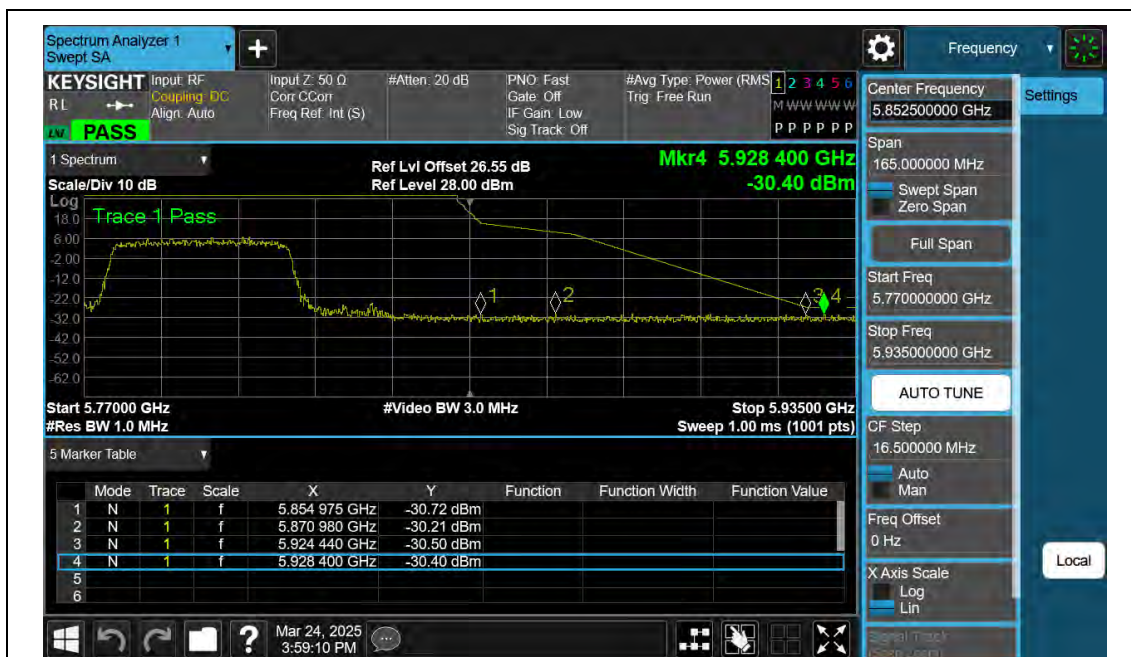
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11AX40SISO-Ant2-5755-PASS



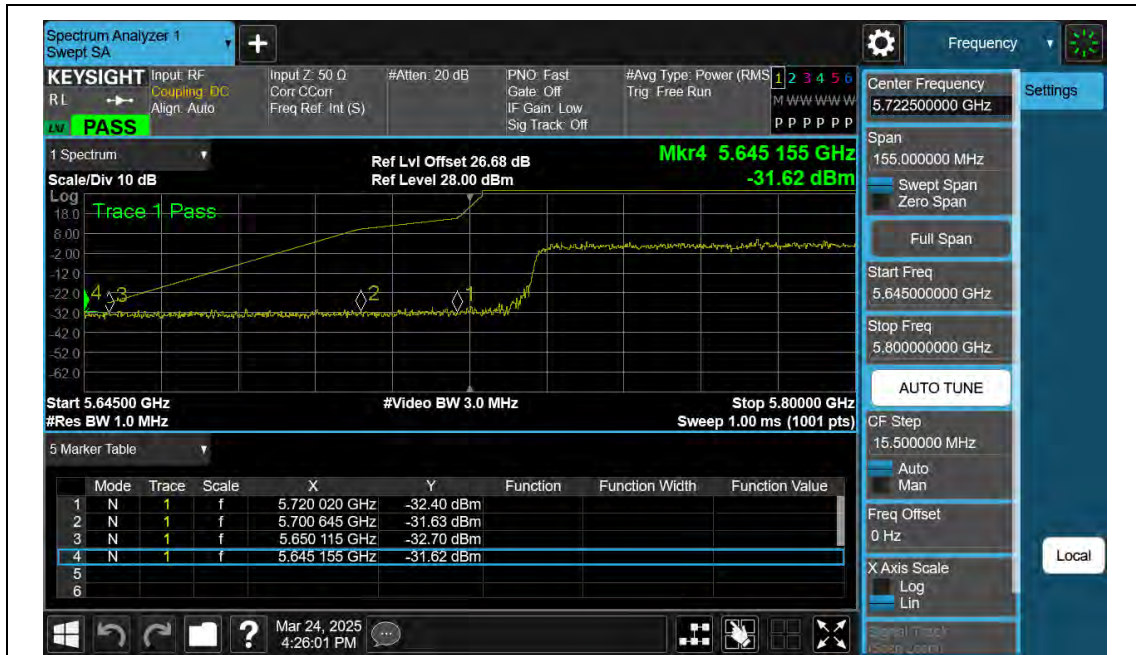
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11AX40SISO-Ant2-5795-PASS



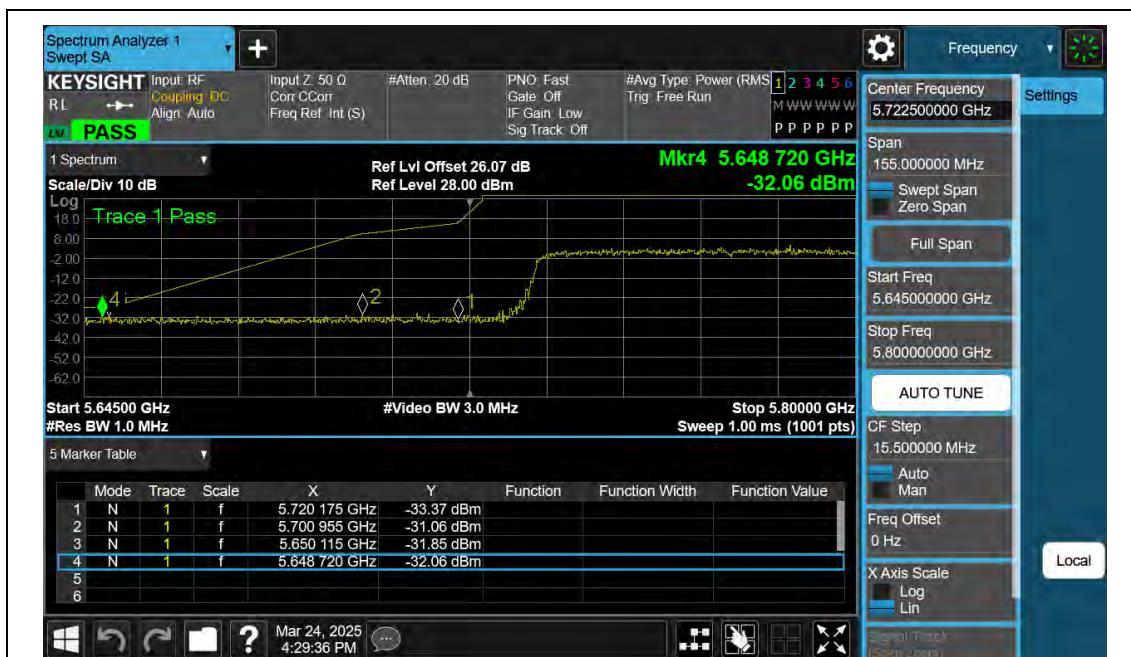
11AX80SISO-Ant1-5775-PASS



11AX80SiSO-Ant1-5775-PASS



11AX80SiSO-Ant2-5775-PASS



11AX80SiSO-Ant2-5775-PASS



Appendix G: Frequency Stability

Test Result

TestMode	Antenna	Frequen cy[MHz]	Voltage [Vdc]	Temper ature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	LV	NT	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	HV	NT	-20000.00	-3.861004	20	PASS
11A	Ant1	5260	NV	NT	-20000.00	-3.802281	20	PASS
11A	Ant1	5260	LV	NT	-20000.00	-3.802281	20	PASS
11A	Ant1	5260	HV	NT	-20000.00	-3.802281	20	PASS
11A	Ant1	5500	NV	NT	-20000.00	-3.636364	20	PASS
11A	Ant1	5500	LV	NT	-20000.00	-3.636364	20	PASS
11A	Ant1	5500	HV	NT	0.00	0.000000	20	PASS
11A	Ant1	5745	NV	NT	0.00	0.000000	20	PASS
11A	Ant1	5745	LV	NT	0.00	0.000000	20	PASS
11A	Ant1	5745	HV	NT	0.00	0.000000	20	PASS

TestMode	Antenna	Frequen cy[MHz]	Voltage [Vdc]	Temper ature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	-30	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	NV	-20	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	NV	-10	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	NV	0	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	NV	10	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	NV	20	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	NV	30	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	NV	40	-20000.00	-3.861004	20	PASS
11A	Ant1	5180	NV	50	-20000.00	-3.861004	20	PASS
11A	Ant1	5260	NV	-30	-20000.00	-3.802281	20	PASS
11A	Ant1	5260	NV	-20	-20000.00	-3.802281	20	PASS
11A	Ant1	5260	NV	-10	-20000.00	-3.802281	20	PASS
11A	Ant1	5260	NV	0	-20000.00	-3.802281	20	PASS
11A	Ant1	5260	NV	10	-20000.00	-3.802281	20	PASS
11A	Ant1	5260	NV	20	-20000.00	-3.802281	20	PASS
11A	Ant1	5260	NV	30	-20000.00	-3.802281	20	PASS
11A	Ant1	5260	NV	40	-40000.00	-7.604563	20	PASS
11A	Ant1	5260	NV	50	-20000.00	-3.802281	20	PASS
11A	Ant1	5500	NV	-30	-20000.00	-3.636364	20	PASS
11A	Ant1	5500	NV	-20	-20000.00	-3.636364	20	PASS
11A	Ant1	5500	NV	-10	-20000.00	-3.636364	20	PASS
11A	Ant1	5500	NV	0	-20000.00	-3.636364	20	PASS



11A	Ant1	5500	NV	10	-20000.00	-3.636364	20	PASS
11A	Ant1	5500	NV	20	0.00	0.000000	20	PASS
11A	Ant1	5500	NV	30	-20000.00	-3.636364	20	PASS
11A	Ant1	5500	NV	40	-20000.00	-3.636364	20	PASS
11A	Ant1	5500	NV	50	-20000.00	-3.636364	20	PASS
11A	Ant1	5745	NV	-30	0.00	0.000000	20	PASS
11A	Ant1	5745	NV	-20	0.00	0.000000	20	PASS
11A	Ant1	5745	NV	-10	0.00	0.000000	20	PASS
11A	Ant1	5745	NV	0	0.00	0.000000	20	PASS
11A	Ant1	5745	NV	10	0.00	0.000000	20	PASS
11A	Ant1	5745	NV	20	0.00	0.000000	20	PASS
11A	Ant1	5745	NV	30	-20000.00	-3.481288	20	PASS
11A	Ant1	5745	NV	40	0.00	0.000000	20	PASS
11A	Ant1	5745	NV	50	-20000.00	-3.481288	20	PASS