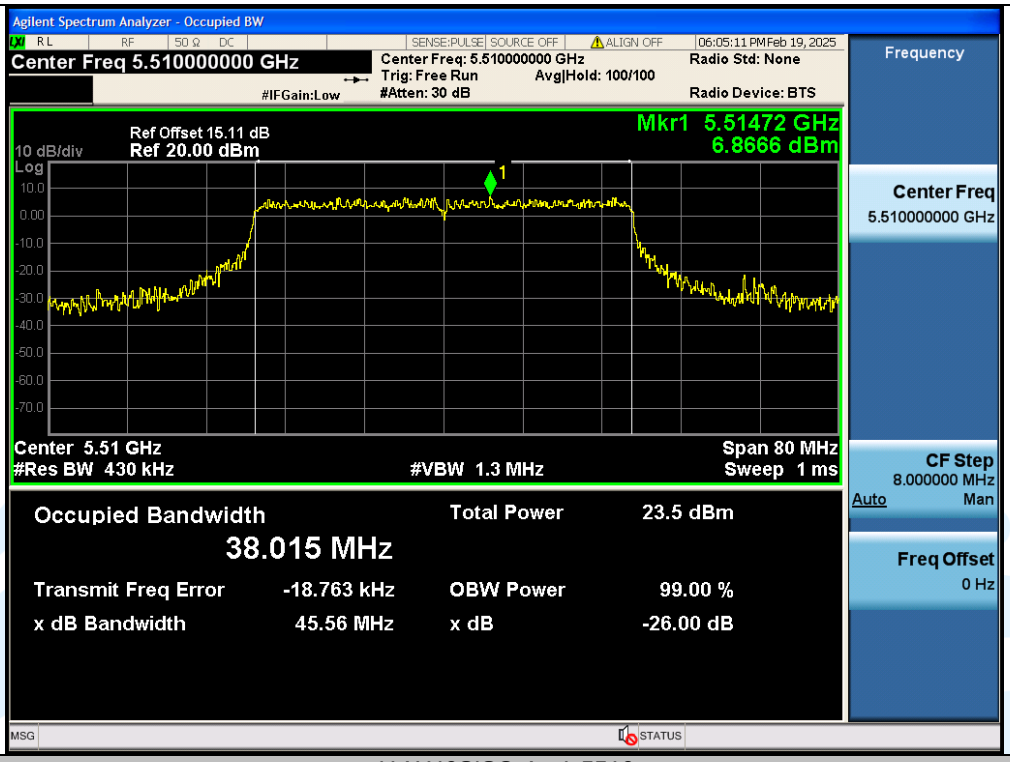
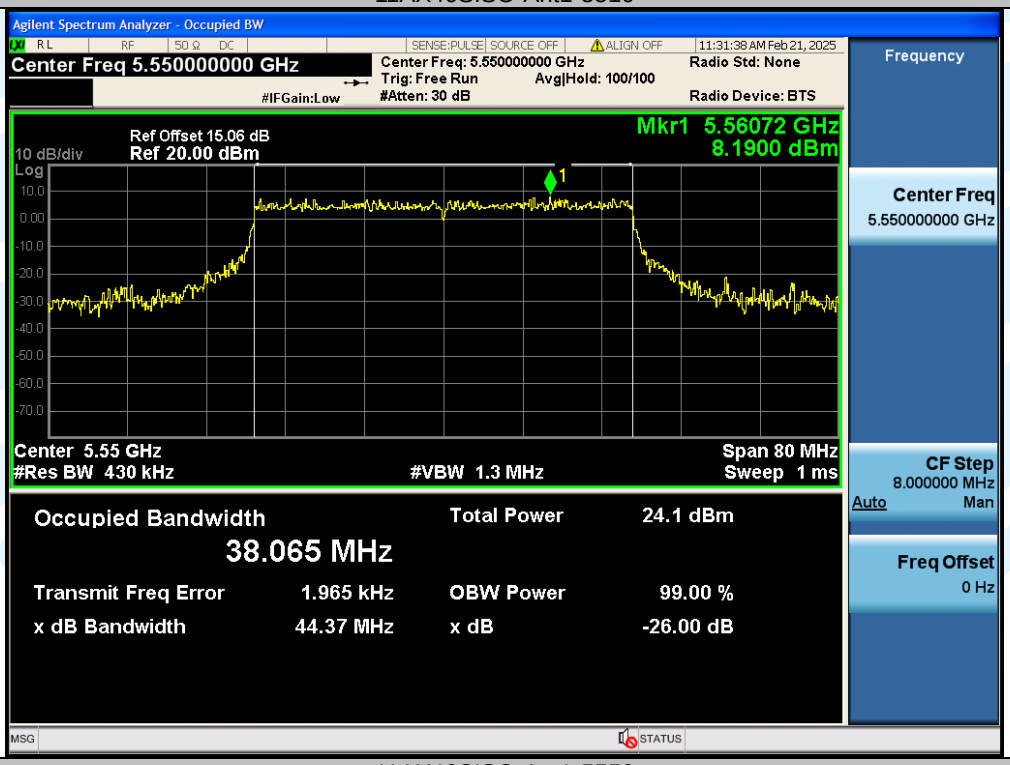
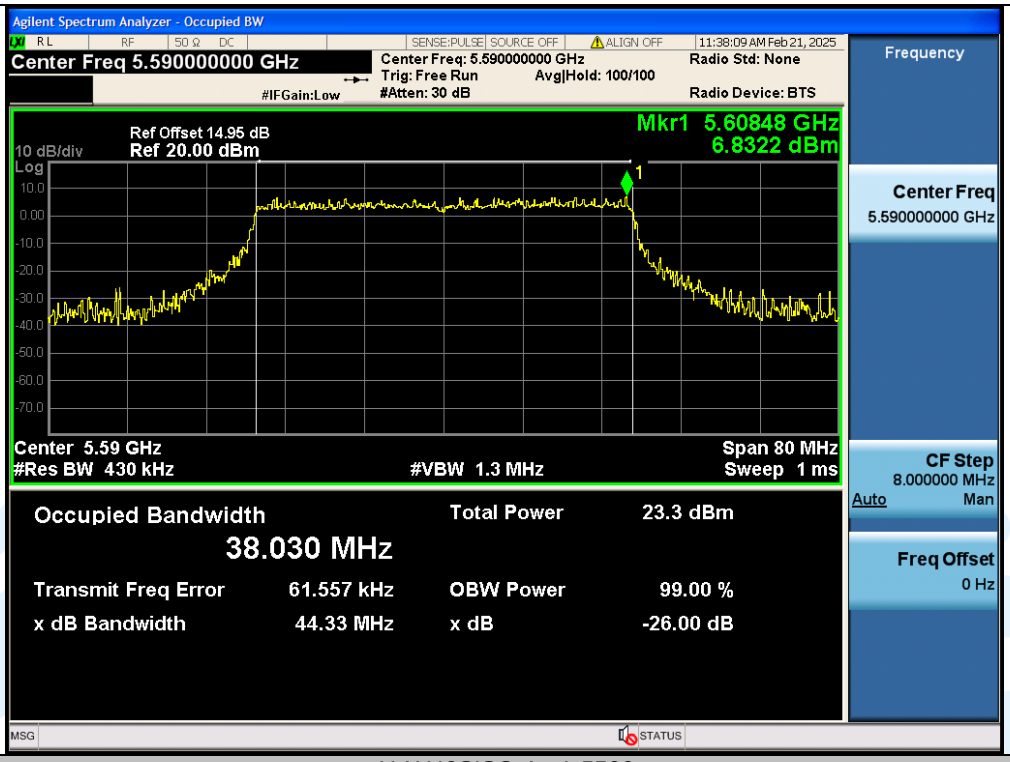


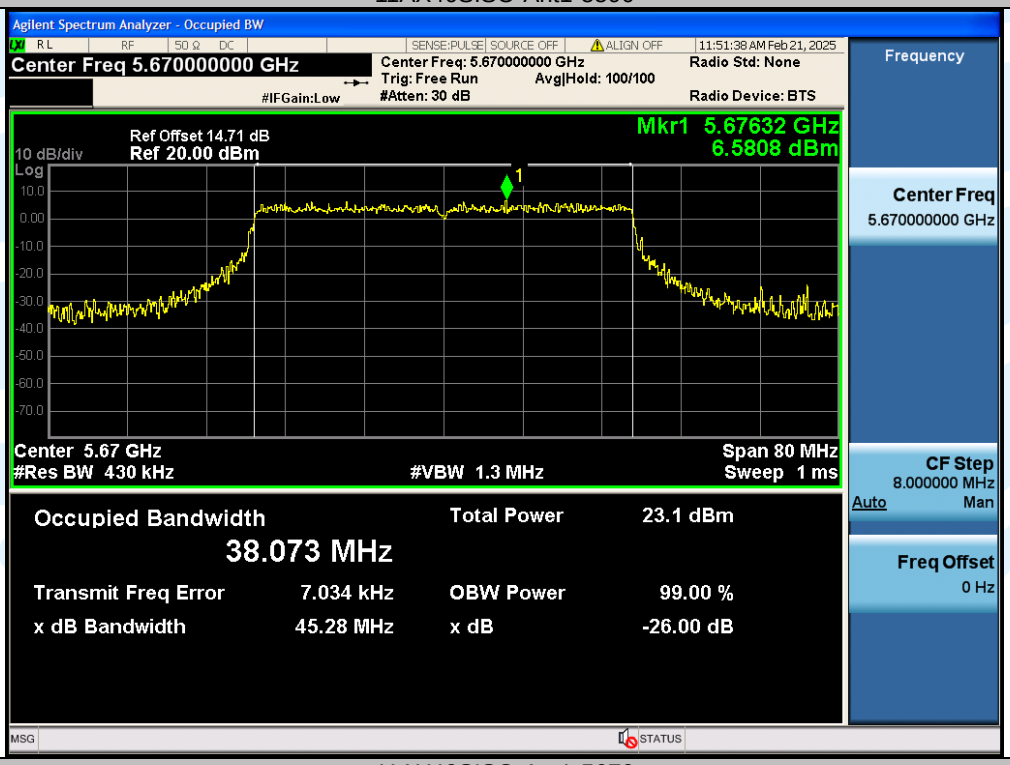
11AX40SISO-Ant1-5510



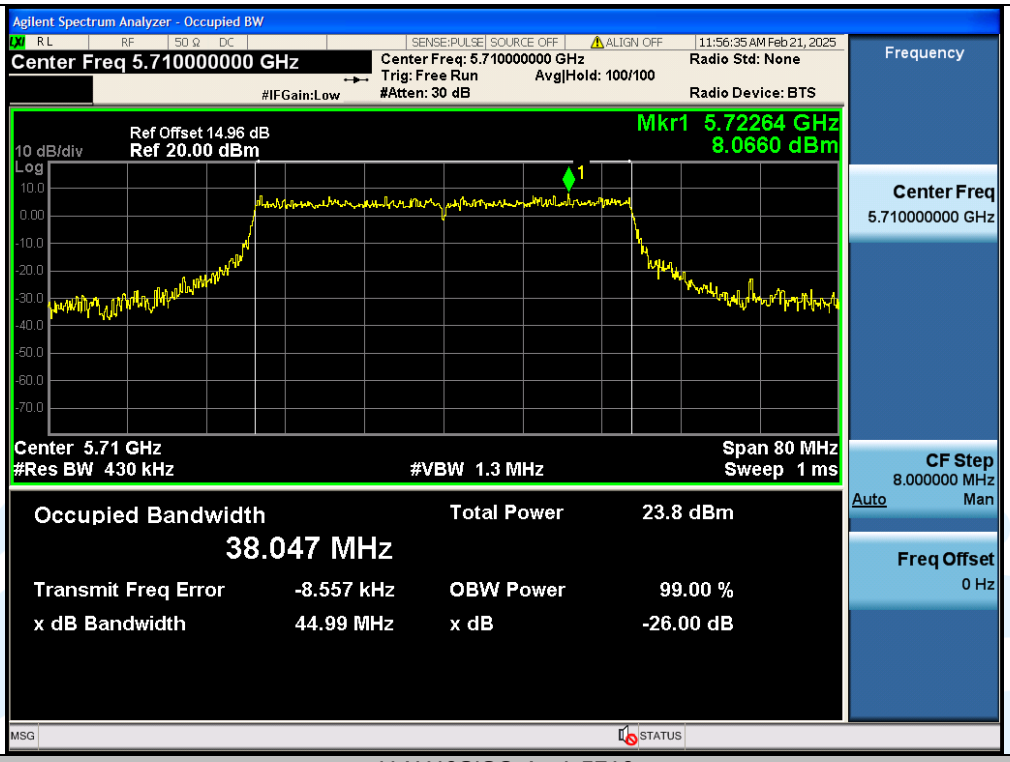
11AX40SISO-Ant1-5550



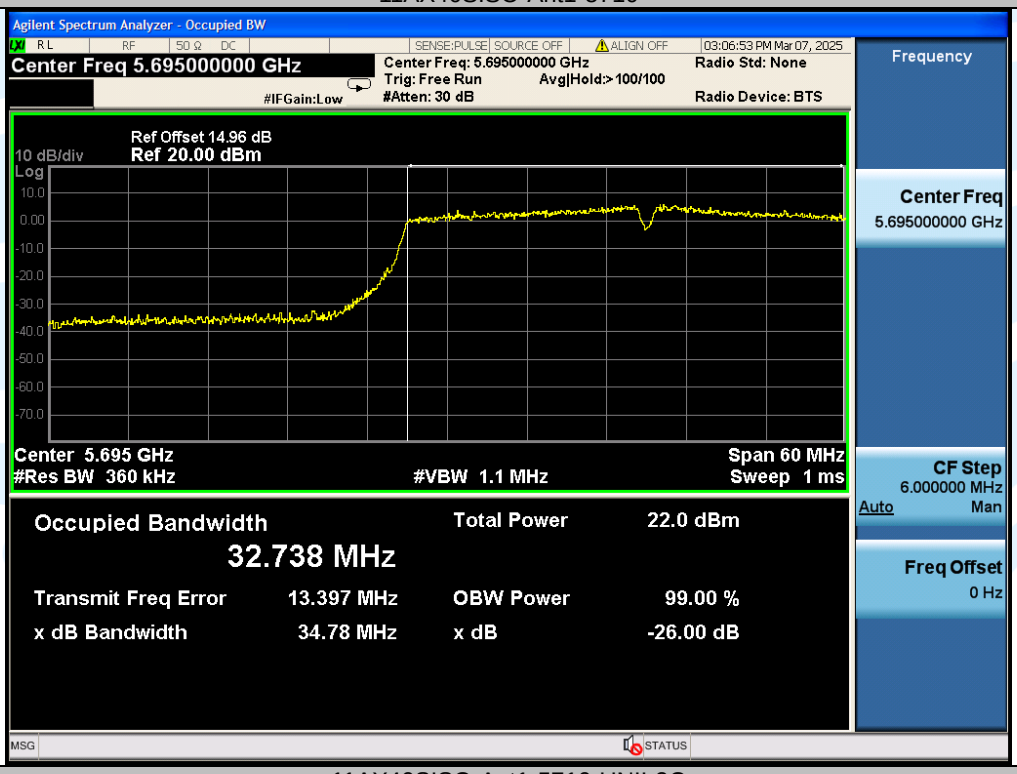
11AX40SISO-Ant1-5590



11AX40SISO-Ant1-5670



11AX40SISO-Ant1-5710



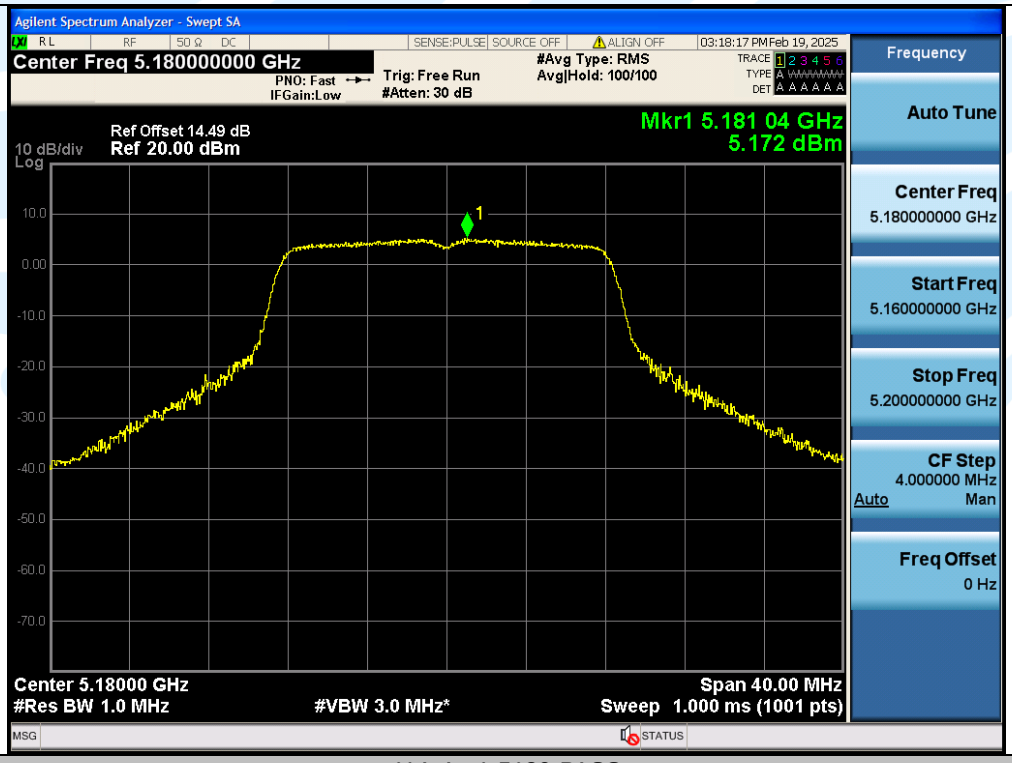
11AX40SISO-Ant1-5710-UNII-2C

A3. PEAK POWER SPECTRAL DENSITY

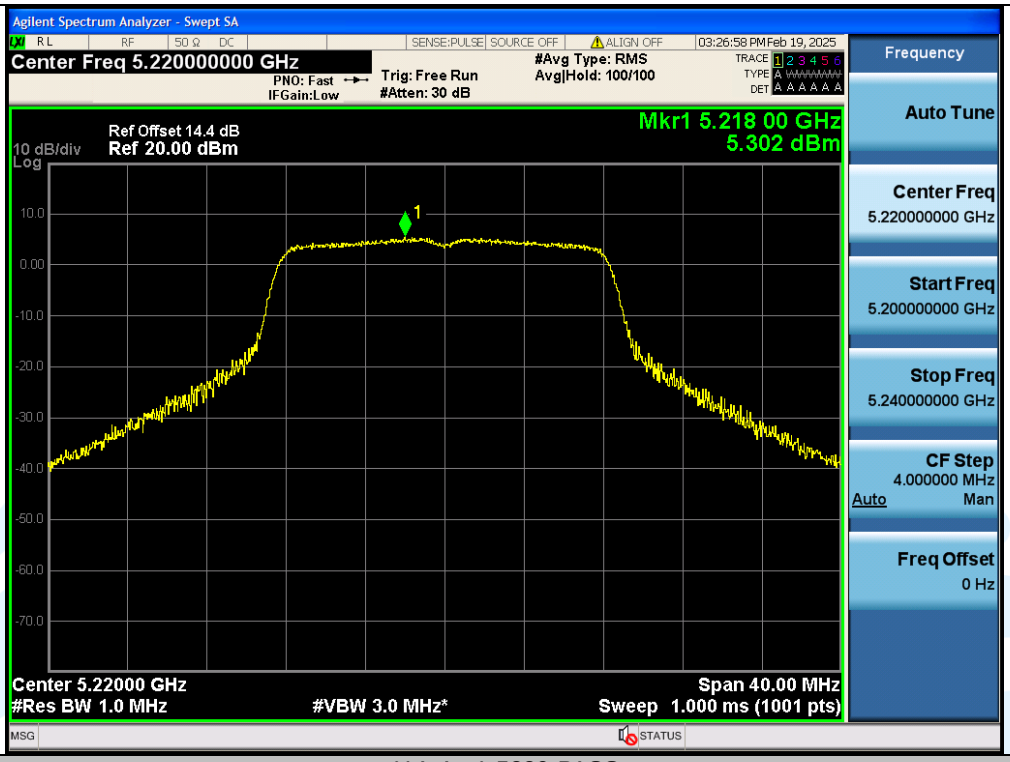
Test Mode	Antenna	Frequency [MHz]	Result [dBm/MHz]	FCC Limit [dBm/MHz]	IC Limit [dBm/MHz]	EIRP Result [dBm/MHz]	IC EIRP Limit [dBm/MHz]	Verdict
11A	Ant1	5180	5.17	≤11.00	---	9.16	≤10.00	PASS
11A	Ant1	5220	5.3	≤11.00	---	9.21	≤10.00	PASS
11A	Ant1	5240	5.41	≤11.00	---	9.27	≤10.00	PASS
11A	Ant1	5260	5.78	≤11.00	---	9.54	≤10.00	PASS
11A	Ant1	5300	5.44	≤11.00	---	9.82	≤10.00	PASS
11A	Ant1	5320	5.61	≤11.00	---	9.46	≤10.00	PASS
11A	Ant1	5500	5.18	≤11.00	≤11.00	9.13	---	PASS
11A	Ant1	5580	3.96	≤11.00	≤11.00	7.87	---	PASS
11A	Ant1	5700	4.73	≤11.00	≤11.00	8.57	---	PASS
11A	Ant1	5720_UNII-2C	4.59	≤11.00	≤11.00	8.56	---	PASS
11A	Ant1	5720_UNII-3	1.8	≤30.00	≤30.00	5.68	---	PASS
11A	Ant1	5745	2.05	≤30.00	≤30.00	6.00	---	PASS
11A	Ant1	5785	2.24	≤30.00	≤30.00	5.96	---	PASS
11A	Ant1	5825	2.04	≤30.00	≤30.00	5.80	---	PASS
11N20SISO	Ant1	5180	5.55	≤11.00	---	9.18	≤10.00	PASS
11N20SISO	Ant1	5220	5.97	≤11.00	---	9.64	≤10.00	PASS
11N20SISO	Ant1	5240	6.05	≤11.00	---	9.68	≤10.00	PASS
11N20SISO	Ant1	5260	5.39	≤11.00	---	9.00	≤10.00	PASS
11N20SISO	Ant1	5300	5.5	≤11.00	---	9.21	≤10.00	PASS
11N20SISO	Ant1	5320	5.17	≤11.00	---	9.08	≤10.00	PASS
11N20SISO	Ant1	5500	4.96	≤11.00	≤11.00	8.61	---	PASS
11N20SISO	Ant1	5580	3.74	≤11.00	≤11.00	7.43	---	PASS
11N20SISO	Ant1	5700	4.67	≤11.00	≤11.00	8.31	---	PASS
11N20SISO	Ant1	5720_UNII-2C	4.8	≤11.00	≤11.00	8.42	---	PASS
11N20SISO	Ant1	5720_UNII-3	2.05	≤30.00	≤30.00	5.58	---	PASS
11N20SISO	Ant1	5745	1.84	≤30.00	≤30.00	5.35	---	PASS
11N20SISO	Ant1	5785	1.94	≤30.00	≤30.00	5.47	---	PASS
11N20SISO	Ant1	5825	1.83	≤30.00	≤30.00	5.36	---	PASS
11N40SISO	Ant1	5190	2.97	≤11.00	---	6.68	≤10.00	PASS
11N40SISO	Ant1	5230	2.72	≤11.00	---	6.37	≤10.00	PASS
11N40SISO	Ant1	5270	2.24	≤11.00	---	5.88	≤10.00	PASS
11N40SISO	Ant1	5310	1.8	≤11.00	---	5.70	≤10.00	PASS
11N40SISO	Ant1	5510	1.75	≤11.00	≤11.00	5.45	---	PASS
11N40SISO	Ant1	5550	2.02	≤11.00	≤11.00	5.95	---	PASS
11N40SISO	Ant1	5670	0.98	≤11.00	≤11.00	4.62	---	PASS
11N40SISO	Ant1	5710_UNII-2C	1.36	≤11.00	≤11.00	4.97	---	PASS
11N40SISO	Ant1	5710_UNII-3	-1.55	≤30.00	≤30.00	1.97	---	PASS
11N40SISO	Ant1	5755	-1.33	≤30.00	≤30.00	2.40	---	PASS
11N40SISO	Ant1	5795	-0.74	≤30.00	≤30.00	2.80	---	PASS
11AC20SISO	Ant1	5180	5.54	≤11.00	---	9.21	≤10.00	PASS
11AC20SISO	Ant1	5220	5.63	≤11.00	---	9.25	≤10.00	PASS
11AC20SISO	Ant1	5240	5.62	≤11.00	---	9.26	≤10.00	PASS
11AC20SISO	Ant1	5260	6.08	≤11.00	---	9.80	≤10.00	PASS
11AC20SISO	Ant1	5300	5.18	≤11.00	---	8.90	≤10.00	PASS
11AC20SISO	Ant1	5320	6.04	≤11.00	---	9.73	≤10.00	PASS
11AC20SISO	Ant1	5500	4.93	≤11.00	≤11.00	8.84	---	PASS
11AC20SISO	Ant1	5580	4.69	≤11.00	≤11.00	8.39	---	PASS
11AC20SISO	Ant1	5700	5.58	≤11.00	≤11.00	9.29	---	PASS
11AC20SISO	Ant1	5720_UNII-2C	4.59	≤11.00	≤11.00	8.25	---	PASS
11AC20SISO	Ant1	5720_UNII-3	1.92	≤30.00	≤30.00	5.49	---	PASS
11AC20SISO	Ant1	5745	1.81	≤30.00	≤30.00	5.34	---	PASS
11AC20SISO	Ant1	5785	2.05	≤30.00	≤30.00	5.57	---	PASS
11AC20SISO	Ant1	5825	1.88	≤30.00	≤30.00	5.41	---	PASS
11AC40SISO	Ant1	5190	2.68	≤11.00	---	6.39	≤10.00	PASS
11AC40SISO	Ant1	5230	2.81	≤11.00	---	6.49	≤10.00	PASS
11AC40SISO	Ant1	5270	2.35	≤11.00	---	6.03	≤10.00	PASS
11AC40SISO	Ant1	5310	2.24	≤11.00	---	5.94	≤10.00	PASS
11AC40SISO	Ant1	5510	1.51	≤11.00	≤11.00	5.16	---	PASS
11AC40SISO	Ant1	5550	1.78	≤11.00	≤11.00	5.43	---	PASS
11AC40SISO	Ant1	5670	1.39	≤11.00	≤11.00	5.02	---	PASS

11AC40SISO	Ant1	5710_UNII-2C	1.39	≤11.00	≤11.00	5.00	---	PASS
11AC40SISO	Ant1	5710_UNII-3	-1.28	≤30.00	≤30.00	2.24	---	PASS
11AC40SISO	Ant1	5755	-1.13	≤30.00	≤30.00	2.46	---	PASS
11AC40SISO	Ant1	5795	-1.37	≤30.00	≤30.00	2.18	---	PASS
11AX20SISO	Ant1	5220	5.47	≤11.00	---	9.13	≤10.00	PASS
11AX20SISO	Ant1	5240	5.5	≤11.00	---	9.23	≤10.00	PASS
11AX20SISO	Ant1	5300	5.18	≤11.00	---	8.83	≤10.00	PASS
11AX20SISO	Ant1	5320	5.73	≤11.00	---	9.43	≤10.00	PASS
11AX20SISO	Ant1	5500	4.79	≤11.00	---	8.44	≤10.00	PASS
11AX20SISO	Ant1	5580	4.55	≤11.00	≤11.00	8.32	---	PASS
11AX20SISO	Ant1	5700	5.25	≤11.00	≤11.00	9.03	---	PASS
11AX20SISO	Ant1	5720_UNII-2C	4.51	≤11.00	≤11.00	8.18	---	PASS
11AX20SISO	Ant1	5720_UNII-3	1.8	≤30.00	≤30.00	5.38	---	PASS
11AX20SISO	Ant1	5745	1.88	≤30.00	≤30.00	5.43	---	PASS
11AX20SISO	Ant1	5785	1.79	≤30.00	≤30.00	5.35	---	PASS
11AX20SISO	Ant1	5825	1.64	≤30.00	≤30.00	5.31	---	PASS
11AX40SISO	Ant1	5190	2.56	≤11.00	---	6.32	≤10.00	PASS
11AX40SISO	Ant1	5230	2.97	≤11.00	---	6.72	≤10.00	PASS
11AX40SISO	Ant1	5270	2.96	≤11.00	---	6.72	≤10.00	PASS
11AX40SISO	Ant1	5310	2.18	≤11.00	---	6.13	≤10.00	PASS
11AX40SISO	Ant1	5510	1.61	≤11.00	≤11.00	5.61	---	PASS
11AX40SISO	Ant1	5550	2.25	≤11.00	≤11.00	6.24	---	PASS
11AX40SISO	Ant1	5670	1.46	≤11.00	≤11.00	5.13	---	PASS
11AX40SISO	Ant1	5710_UNII-2C	1.3	≤11.00	≤11.00	4.93	---	PASS
11AX40SISO	Ant1	5710_UNII-3	-1.8	≤30.00	≤30.00	1.74	---	PASS
11AX40SISO	Ant1	5755	-1.15	≤30.00	≤30.00	2.41	---	PASS
11AX40SISO	Ant1	5795	-1.67	≤30.00	≤30.00	1.89	---	PASS

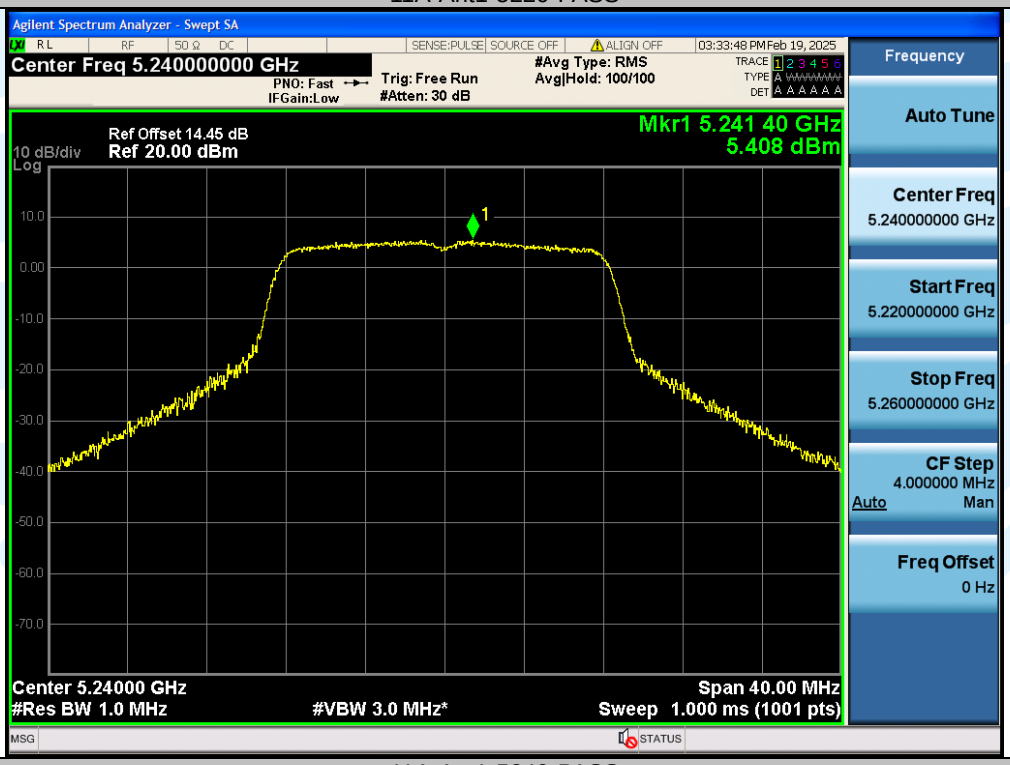
Test Graphs



11A-Ant1-5180-PASS



11A-Ant1-5220-PASS



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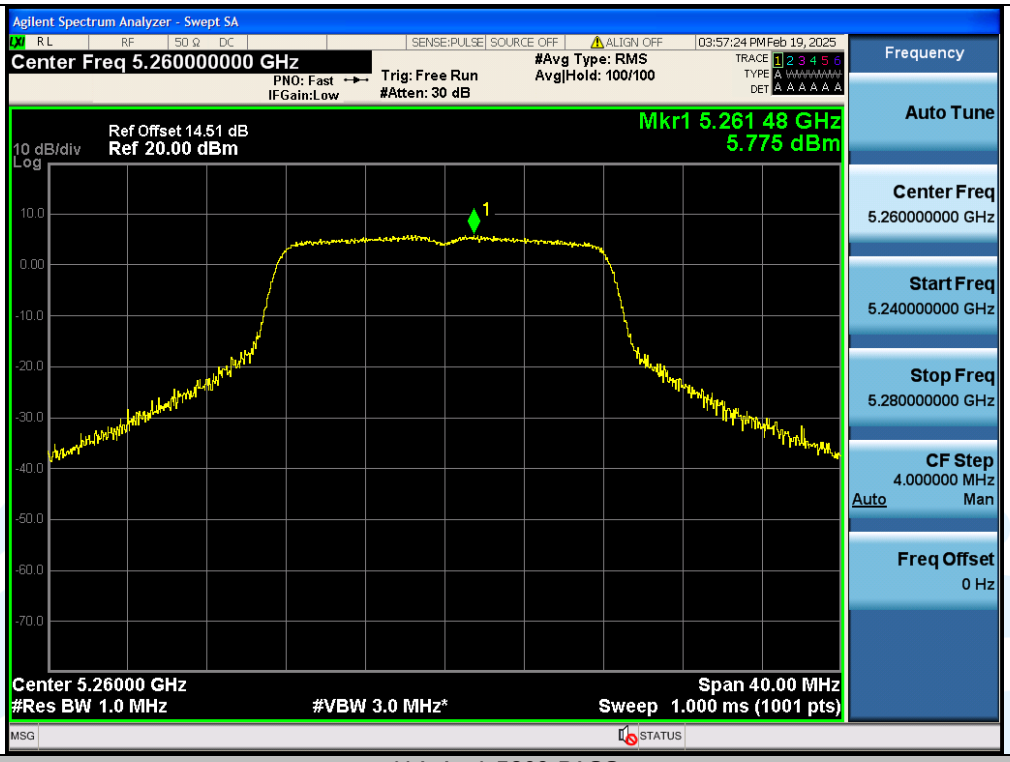
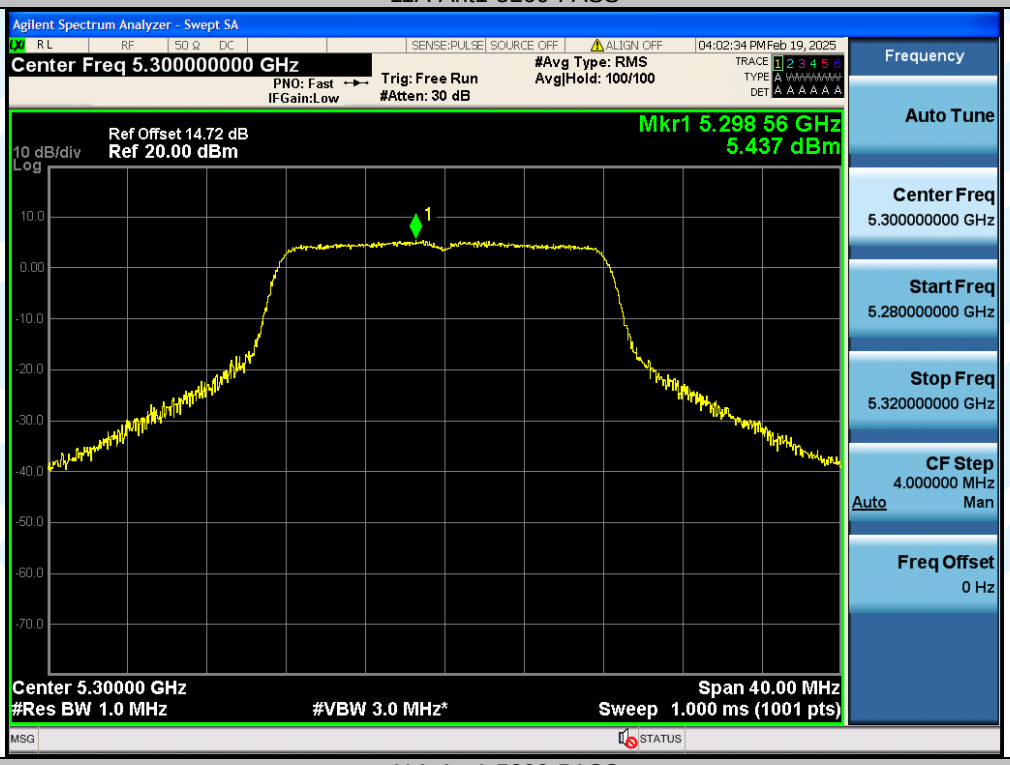
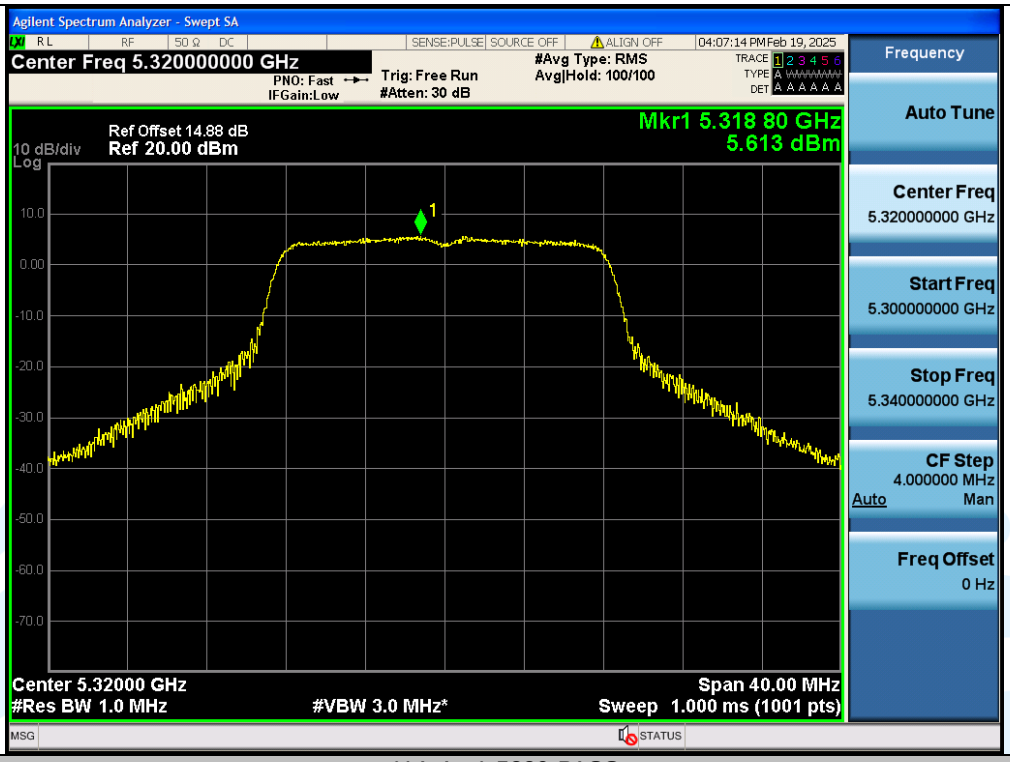


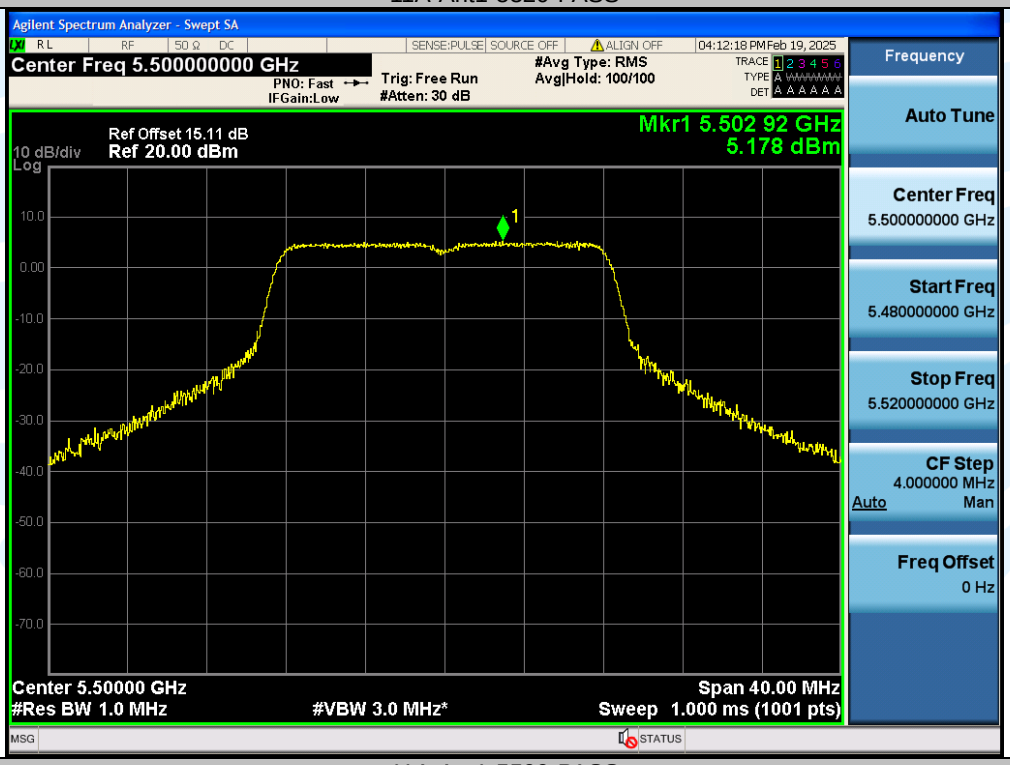
11A-Ant1-5260-PASS



11A-Ant1-5300-PASS



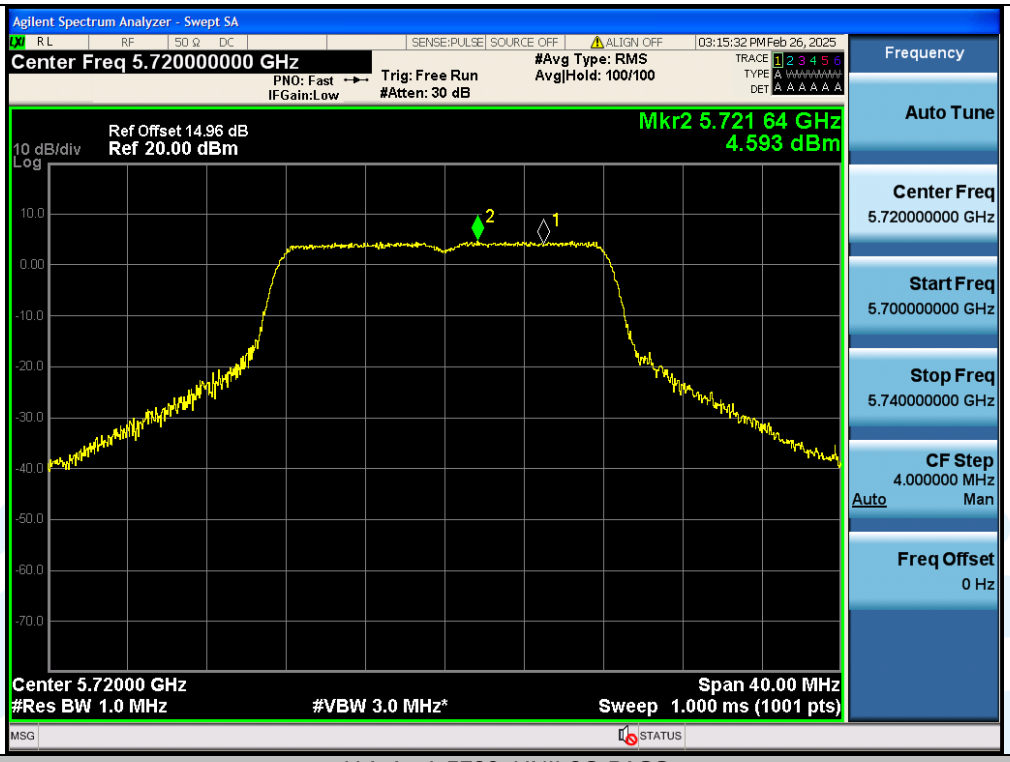
11A-Ant1-5320-PASS



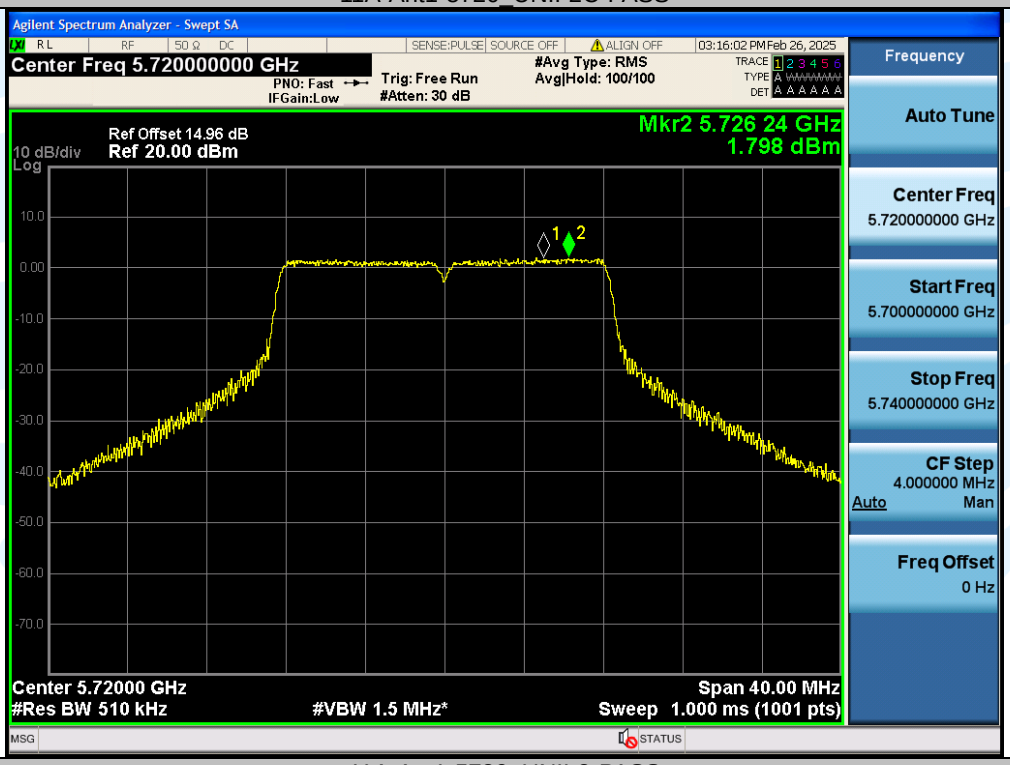
11A-Ant1-5500-PASS

11A-Ant1-5580-PASS

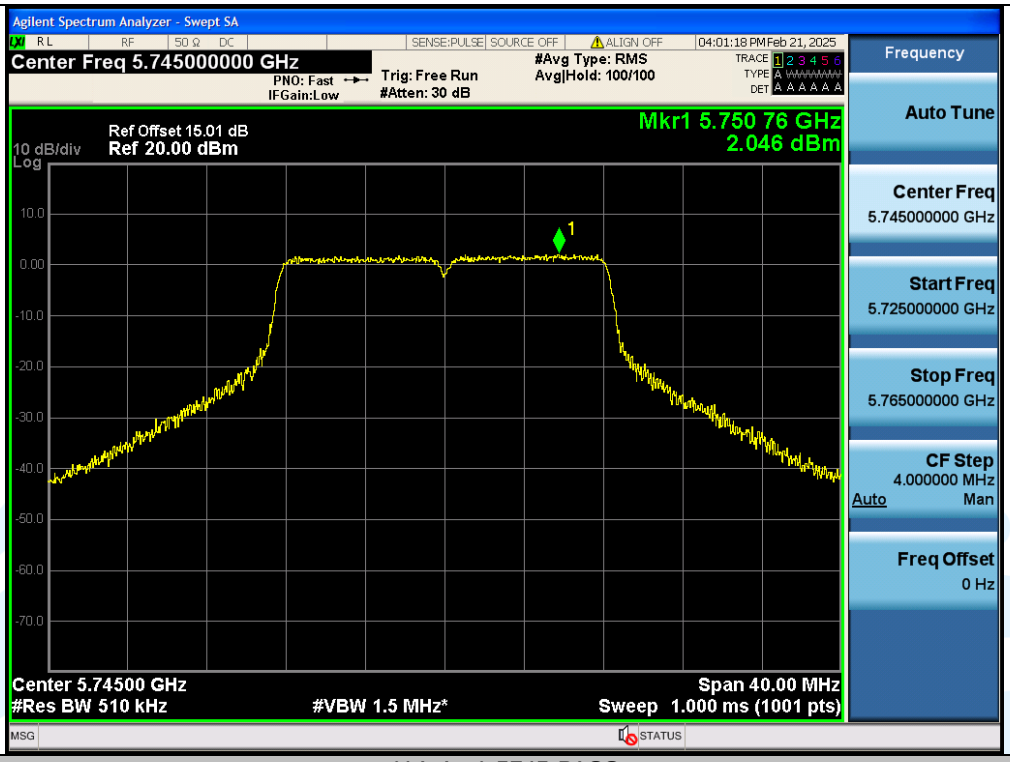
11A-Ant1-5700-PASS



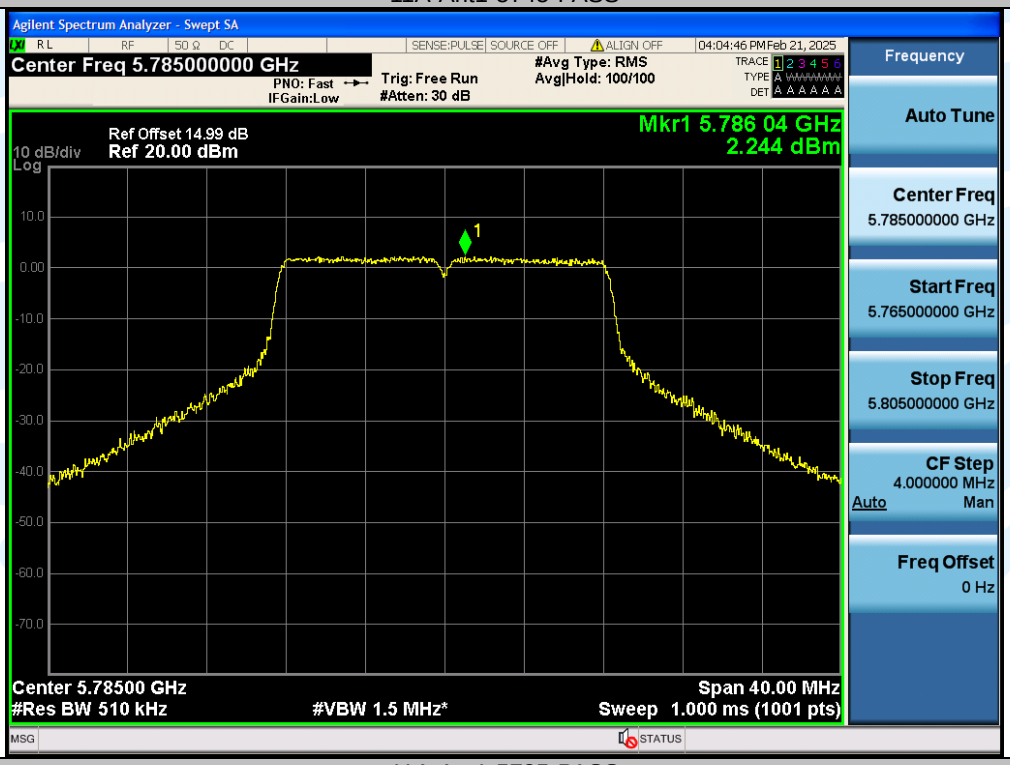
11A-Ant1-5720_UNII-2C-PASS



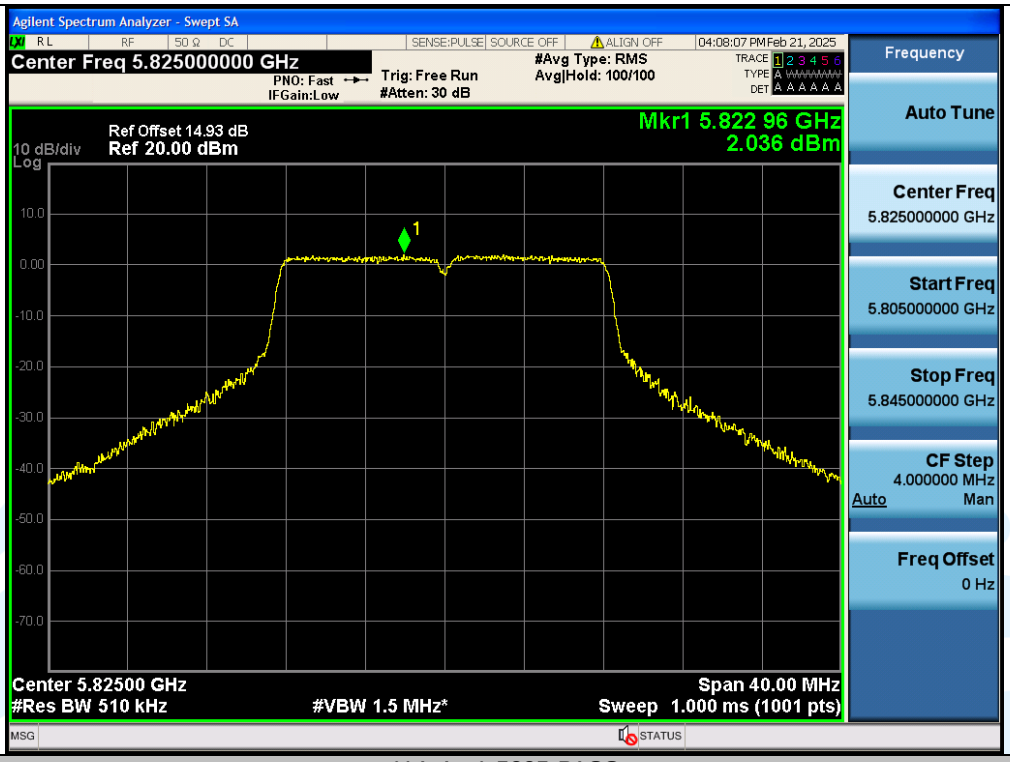
11A-Ant1-5720_UNII-3-PASS



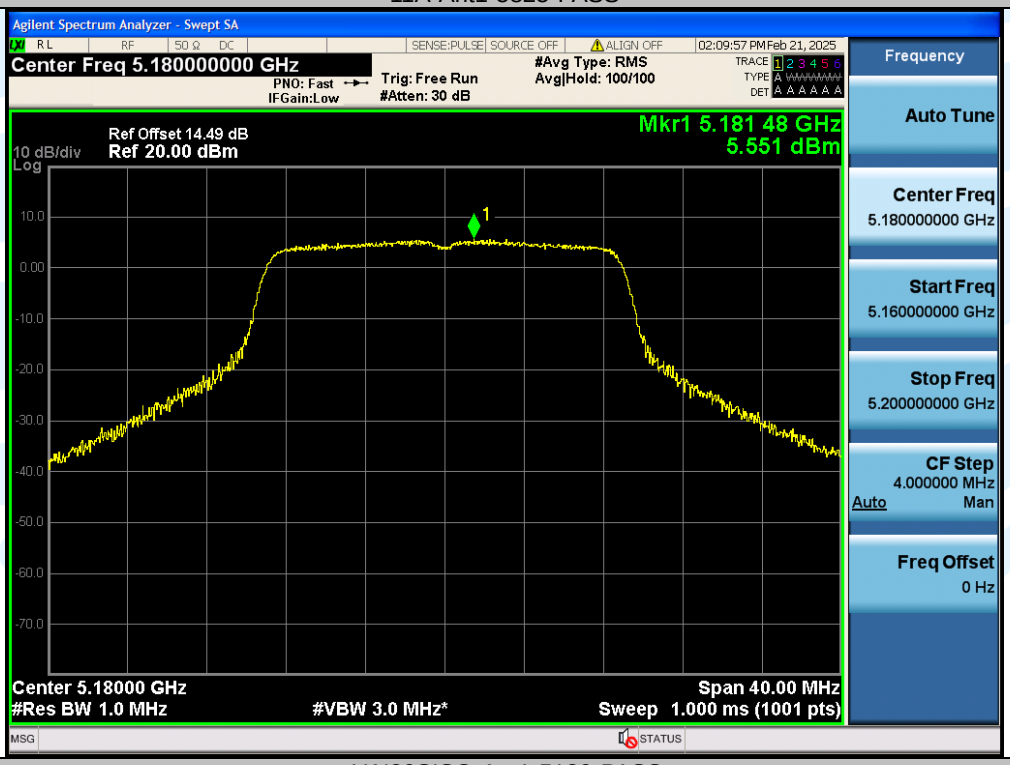
11A-Ant1-5745-PASS



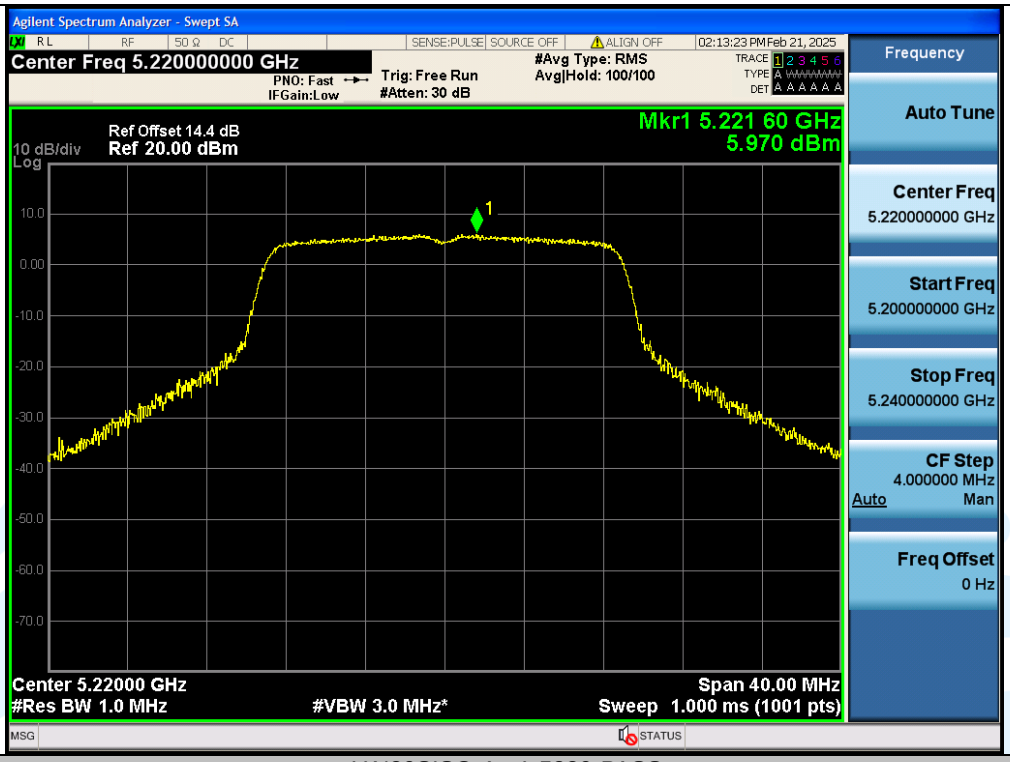
11A-Ant1-5785-PASS



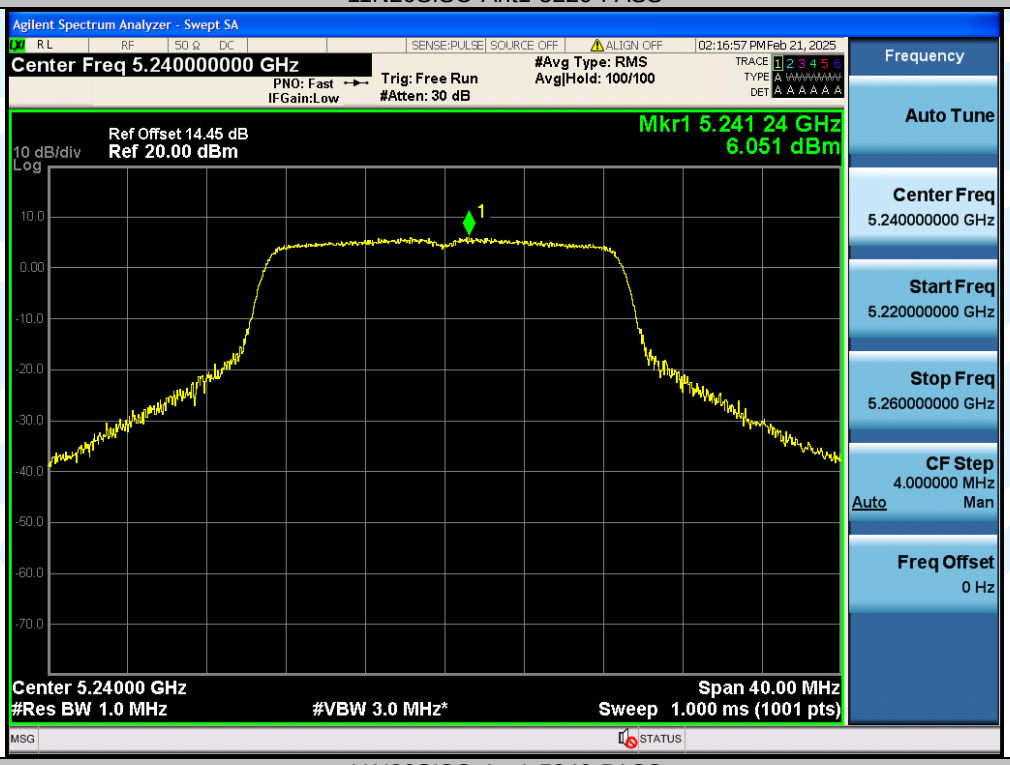
11A-Ant1-5825-PASS



11N20SISO-Ant1-5180-PASS



11N20SISO-Ant1-5220-PASS



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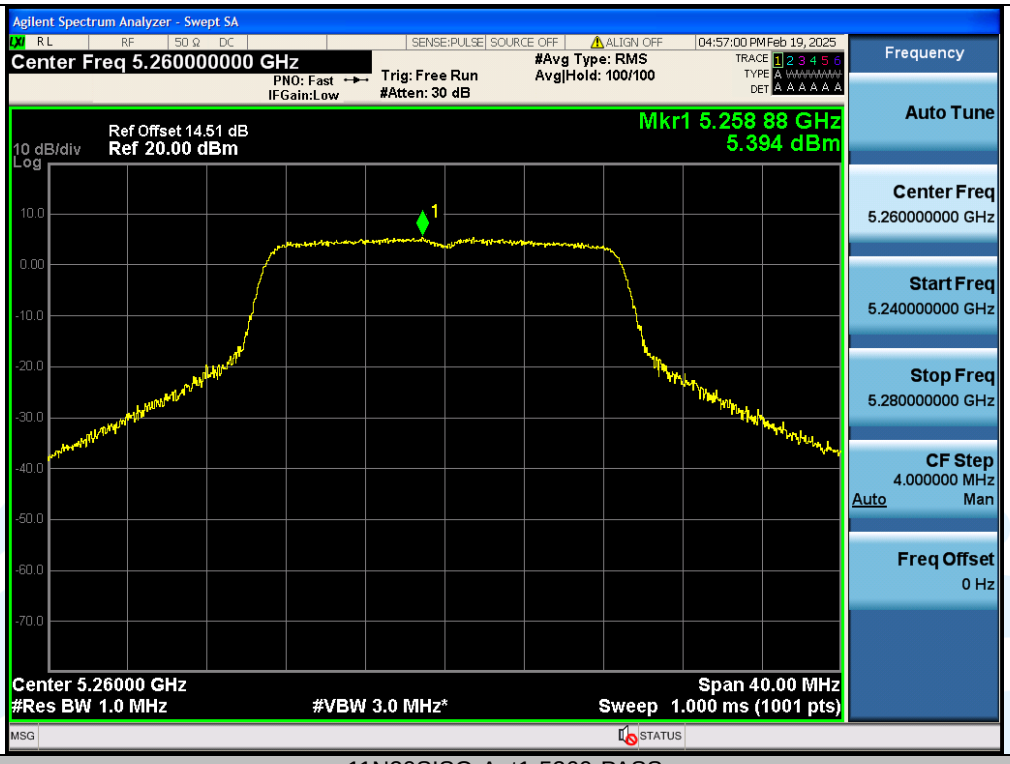
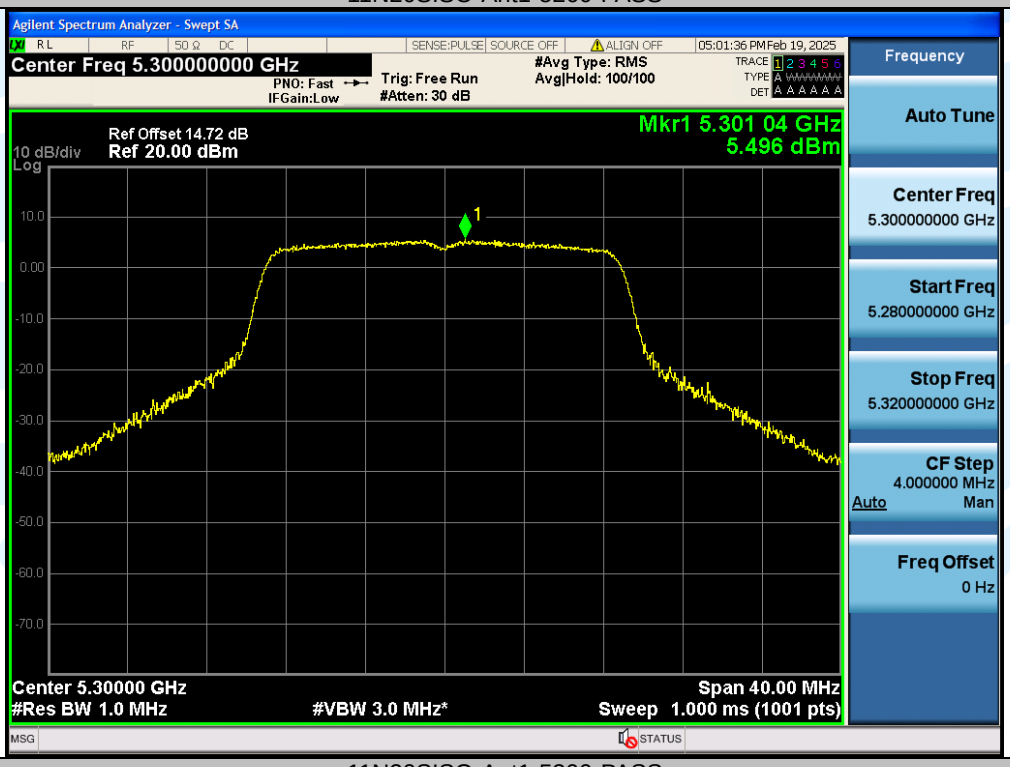
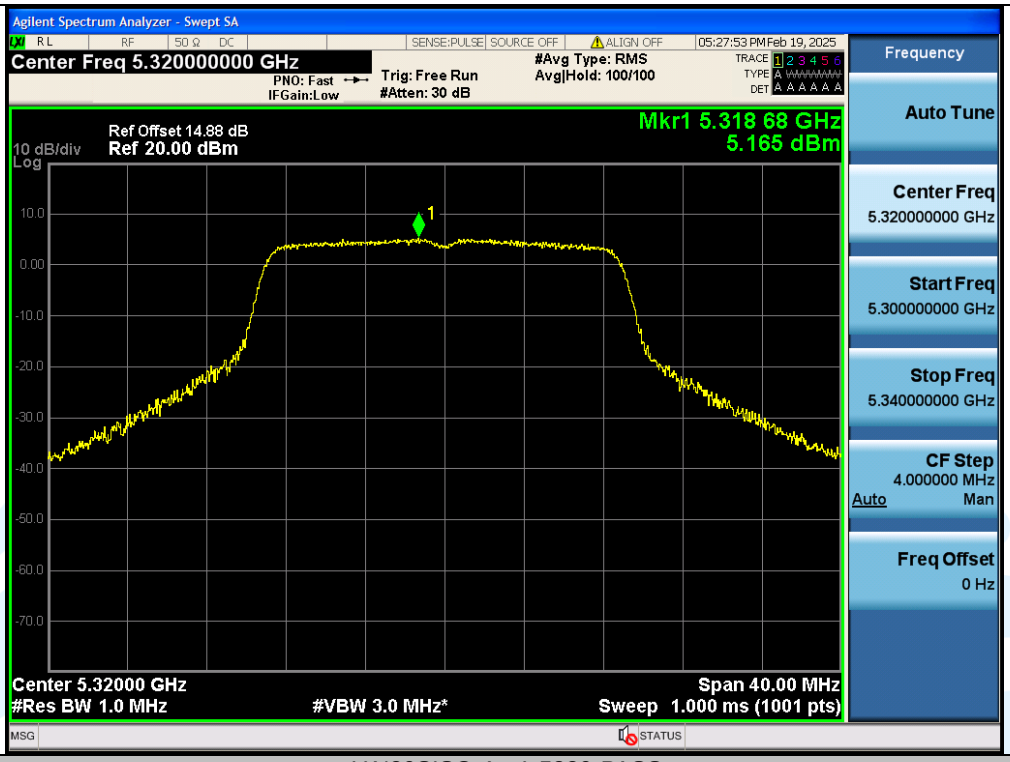


11N20SISO-Ant1-5260-PASS

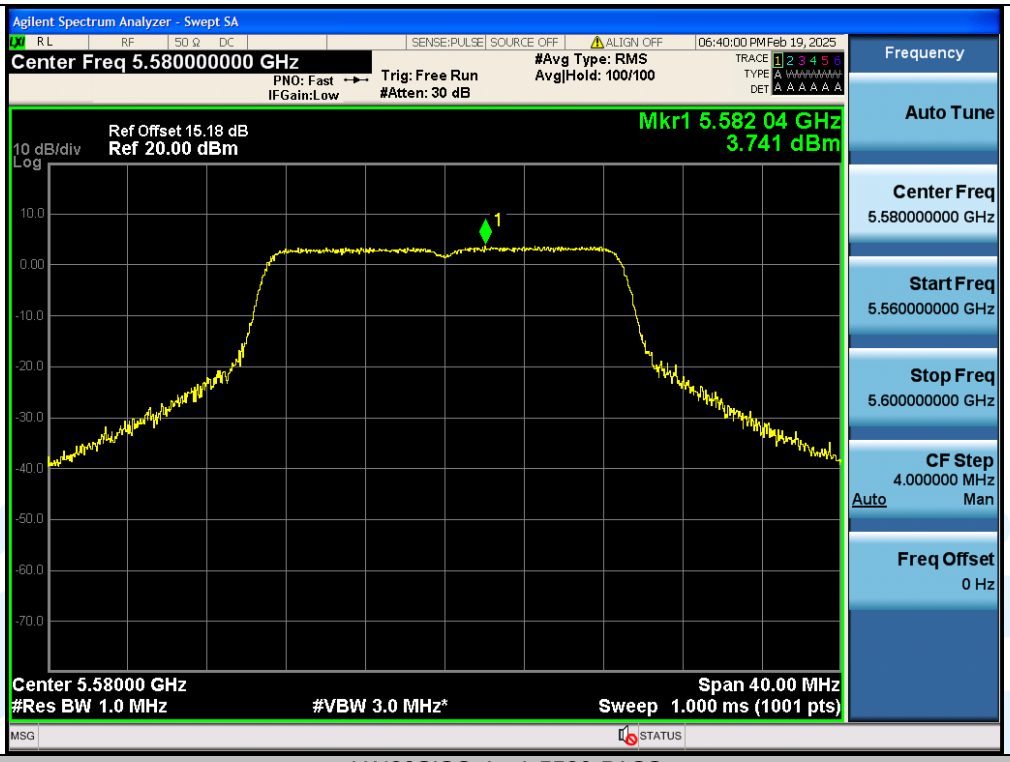


11N20SISO-Ant1-5300-PASS

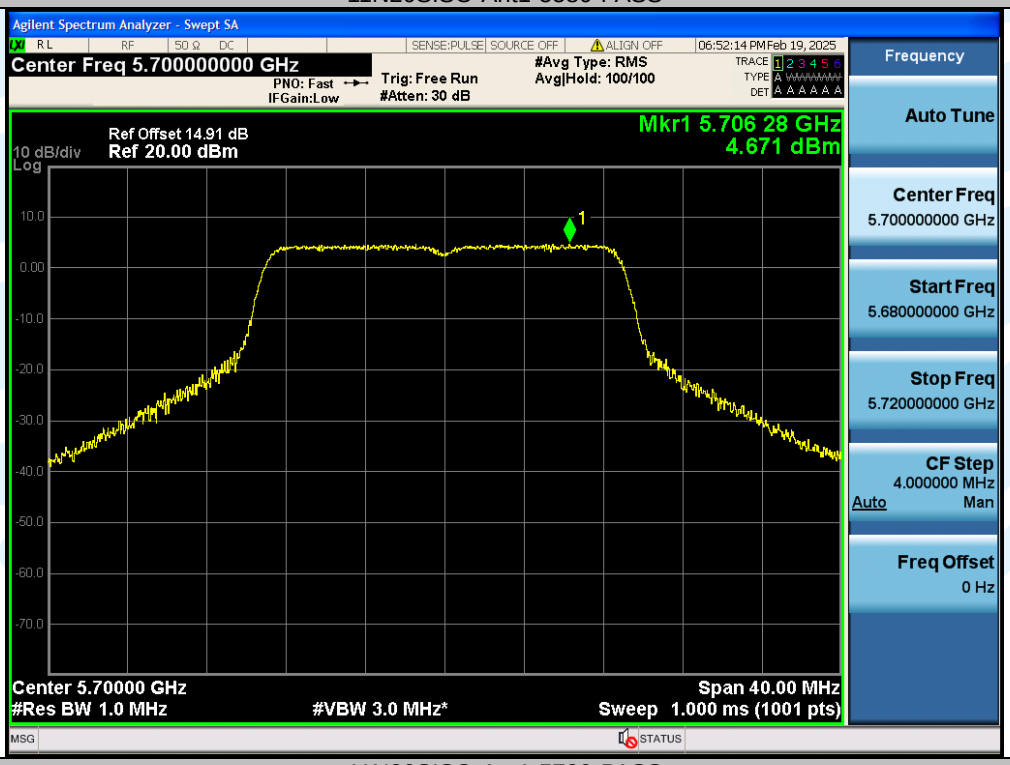


11N20SISO-Ant1-5320-PASS

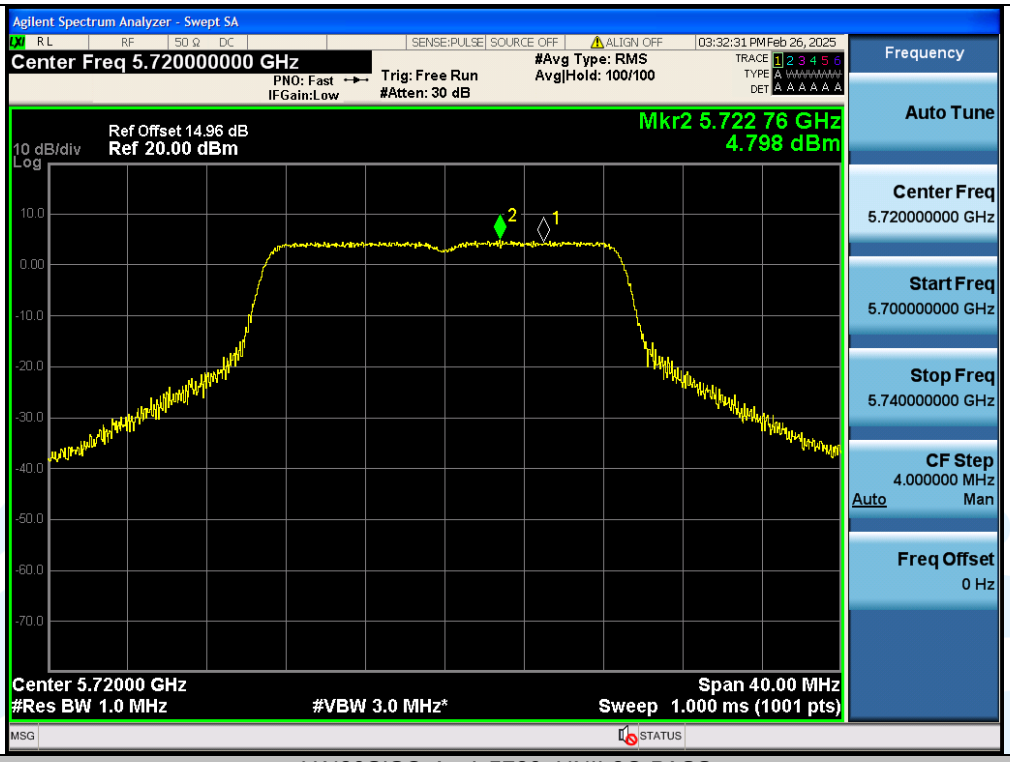
11N20SISO-Ant1-5500-PASS



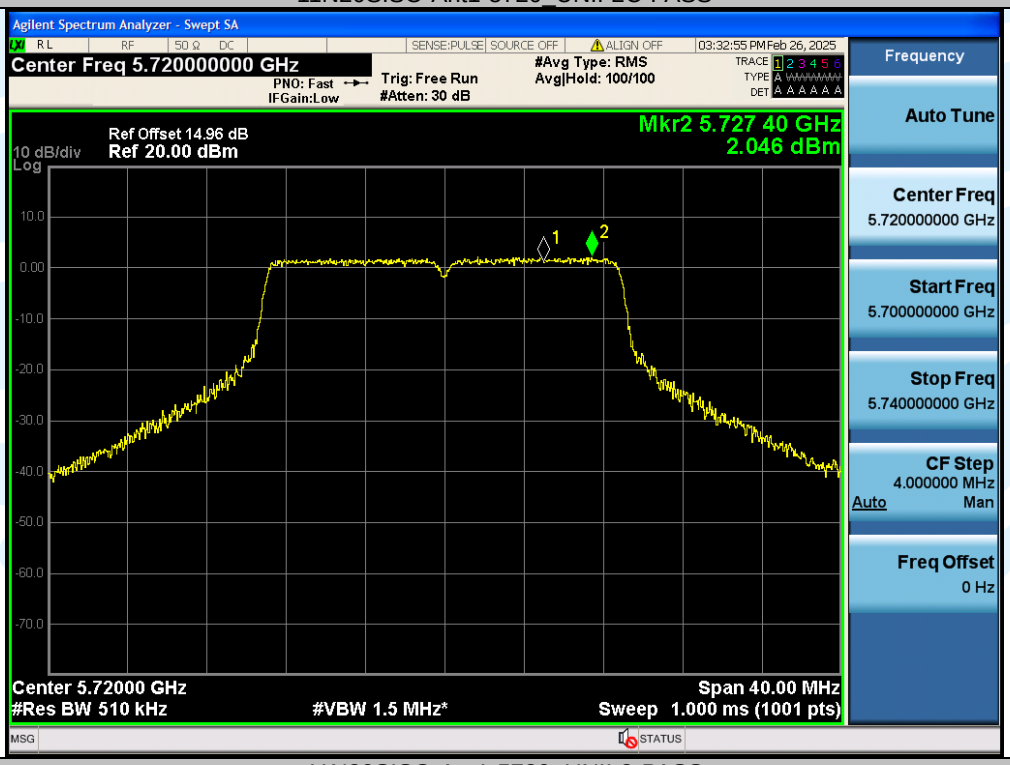
11N20SISO-Ant1-5580-PASS



11N20SISO-Ant1-5700-PASS

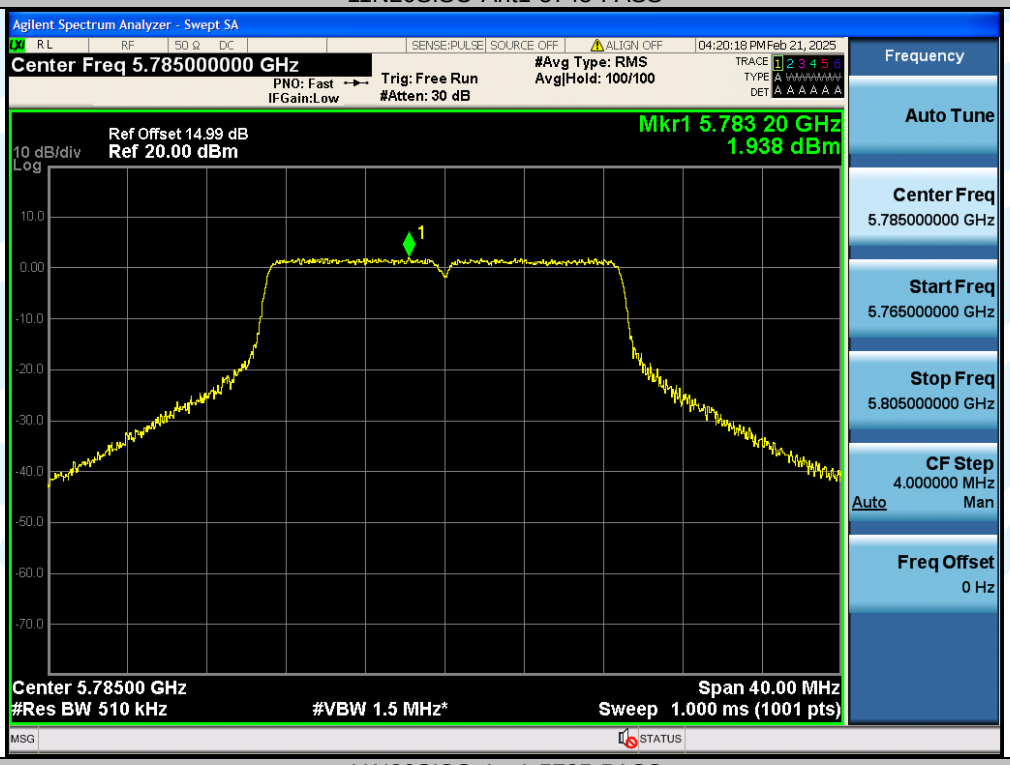


11N20SISO-Ant1-5720_UNII-2C-PASS



11N20SISO-Ant1-5720_UNII-3-PASS

11N20SISO-Ant1-5745-PASS



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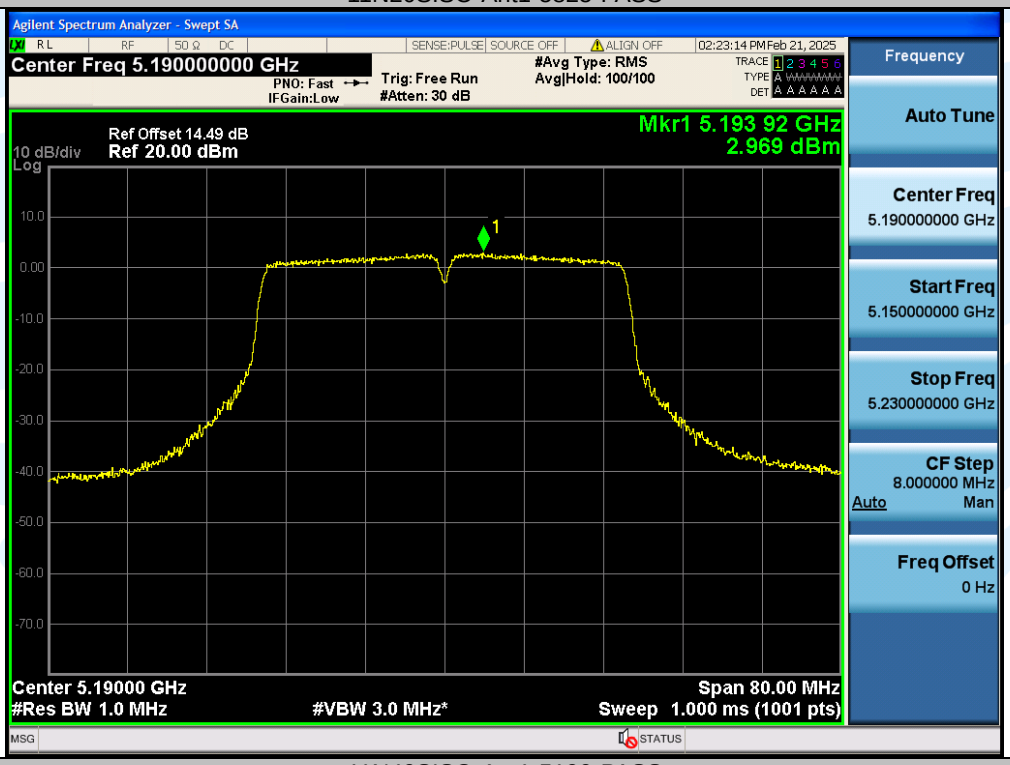
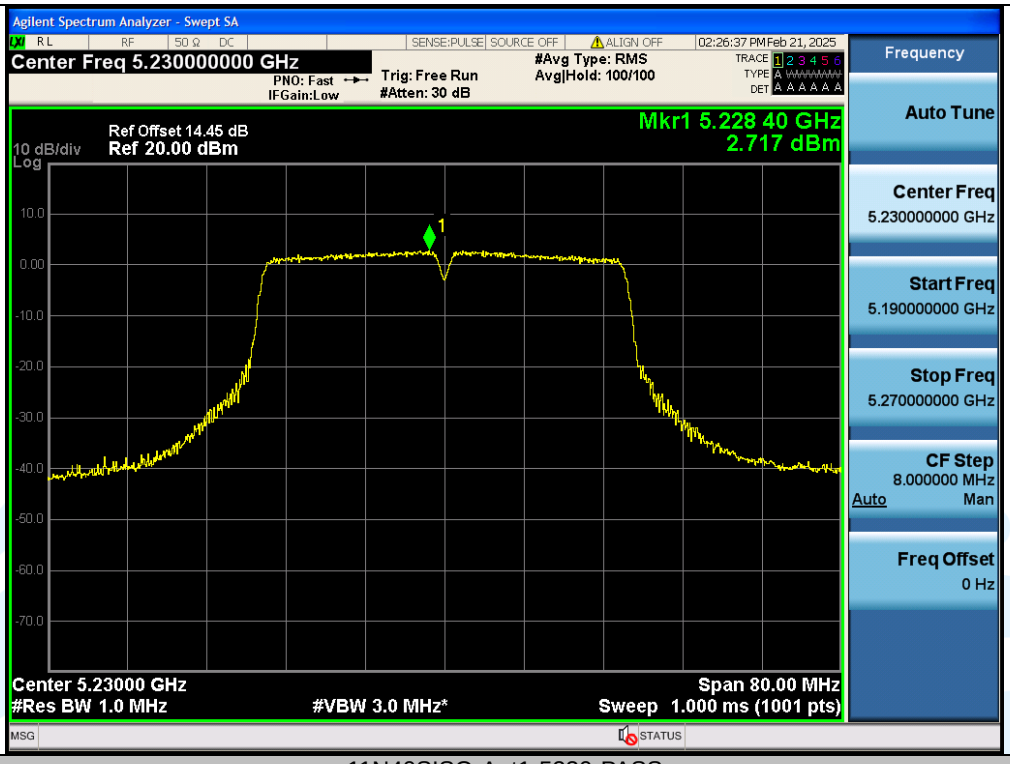
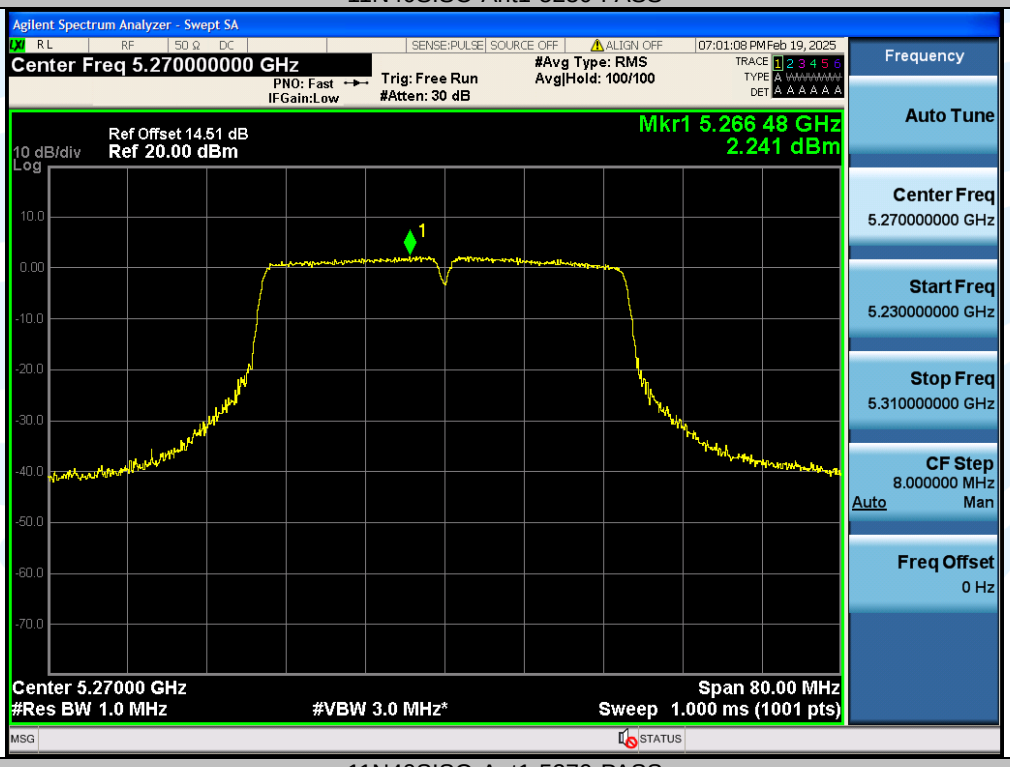
11N20SISO-Ant1-5825-PASS



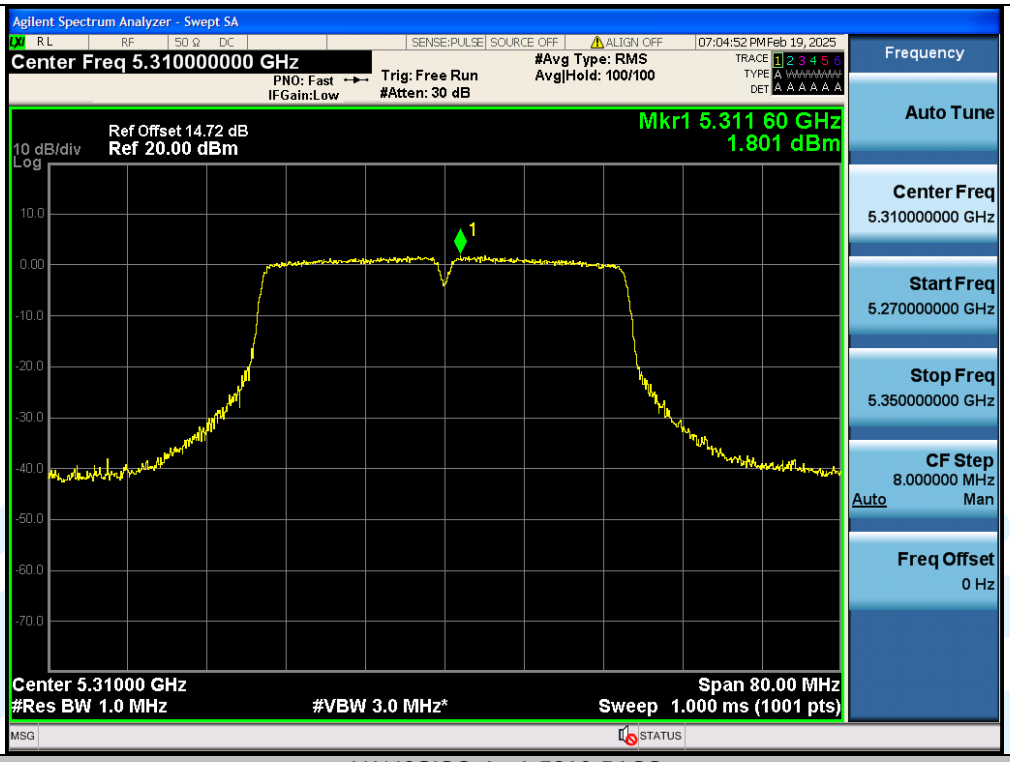
11N40SISO-Ant1-5190-PASS



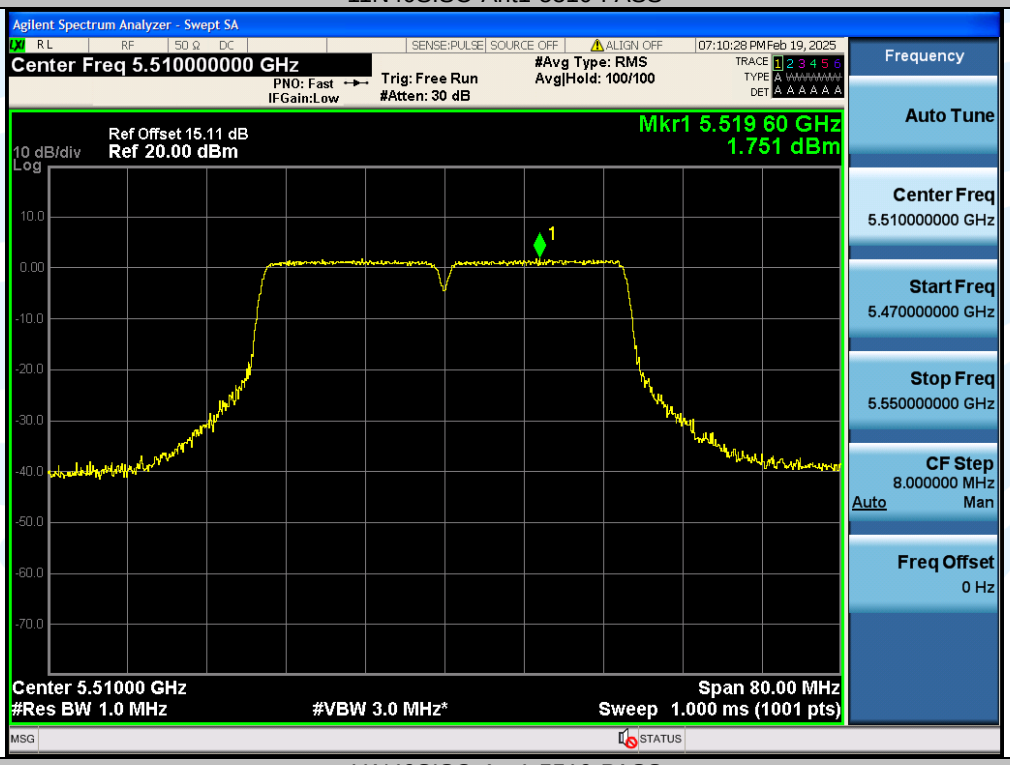
11N40SISO-Ant1-5230-PASS



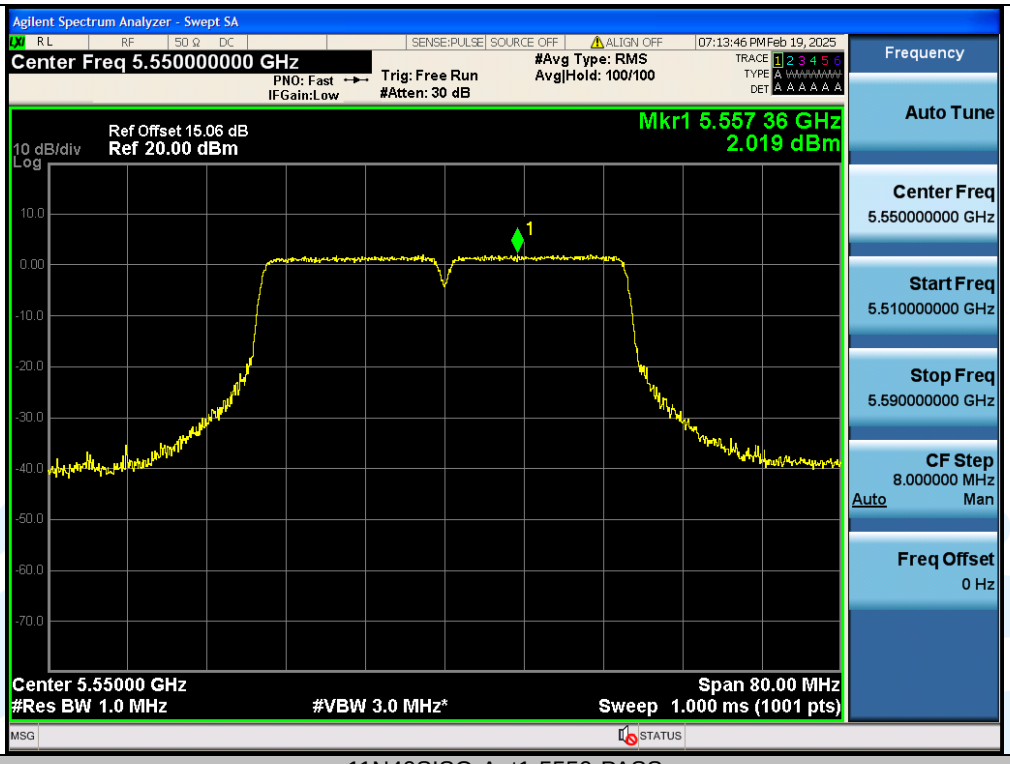
11N40SISO-Ant1-5270-PASS



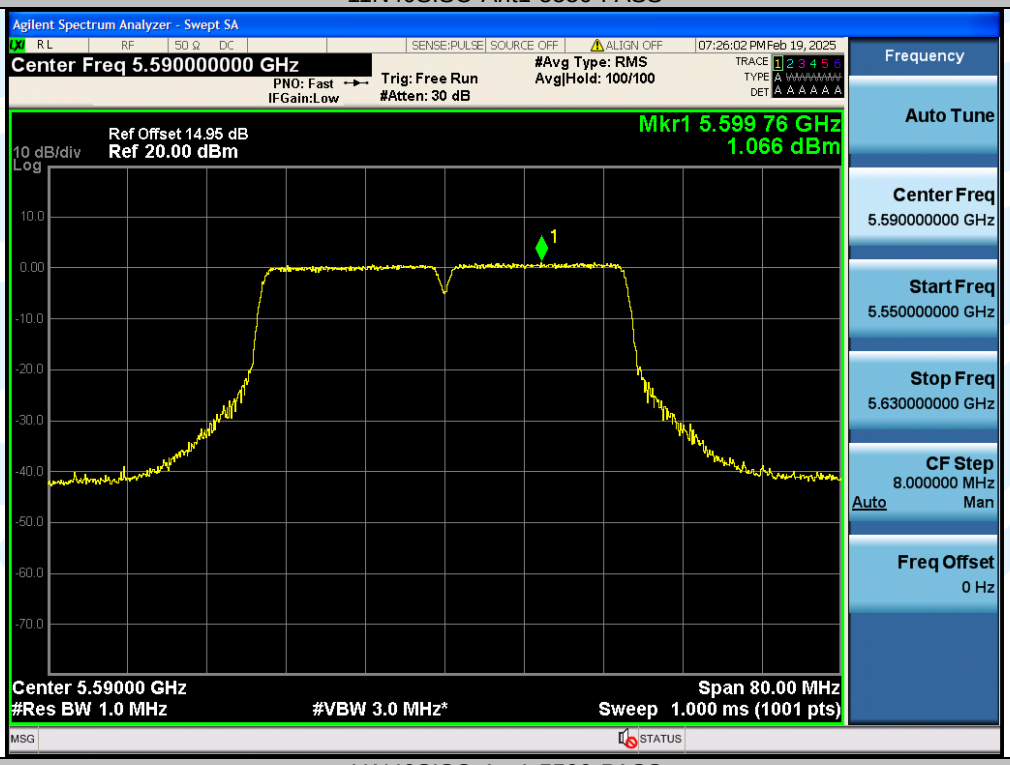
11N40SISO-Ant1-5310-PASS



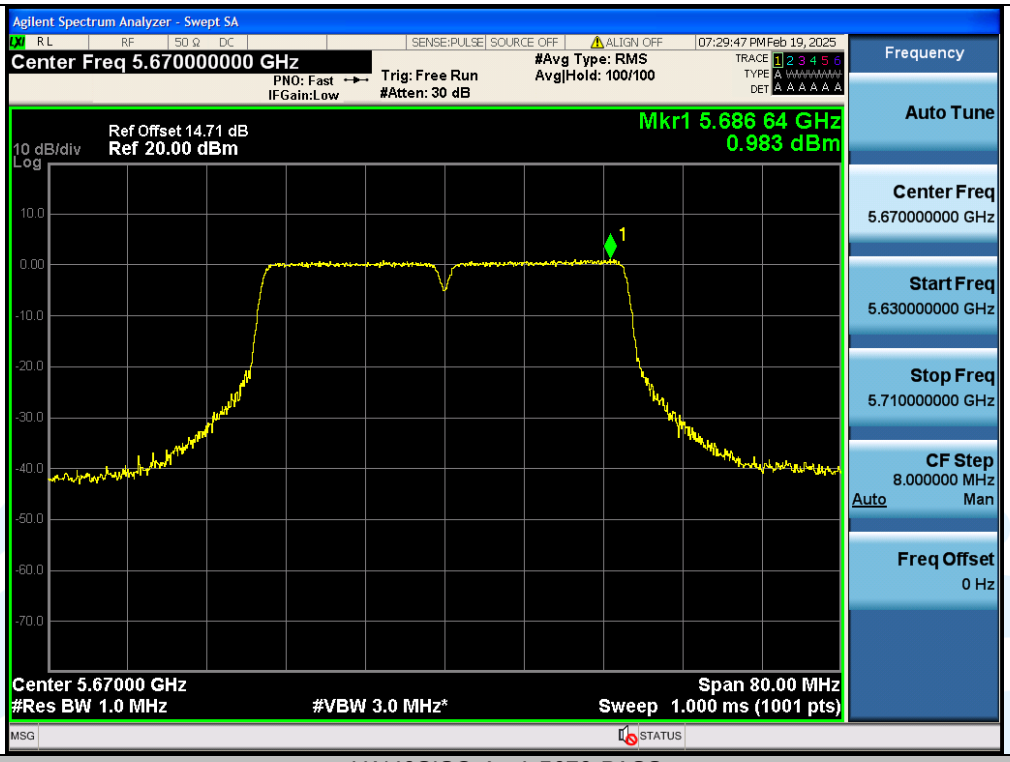
11N40SISO-Ant1-5510-PASS



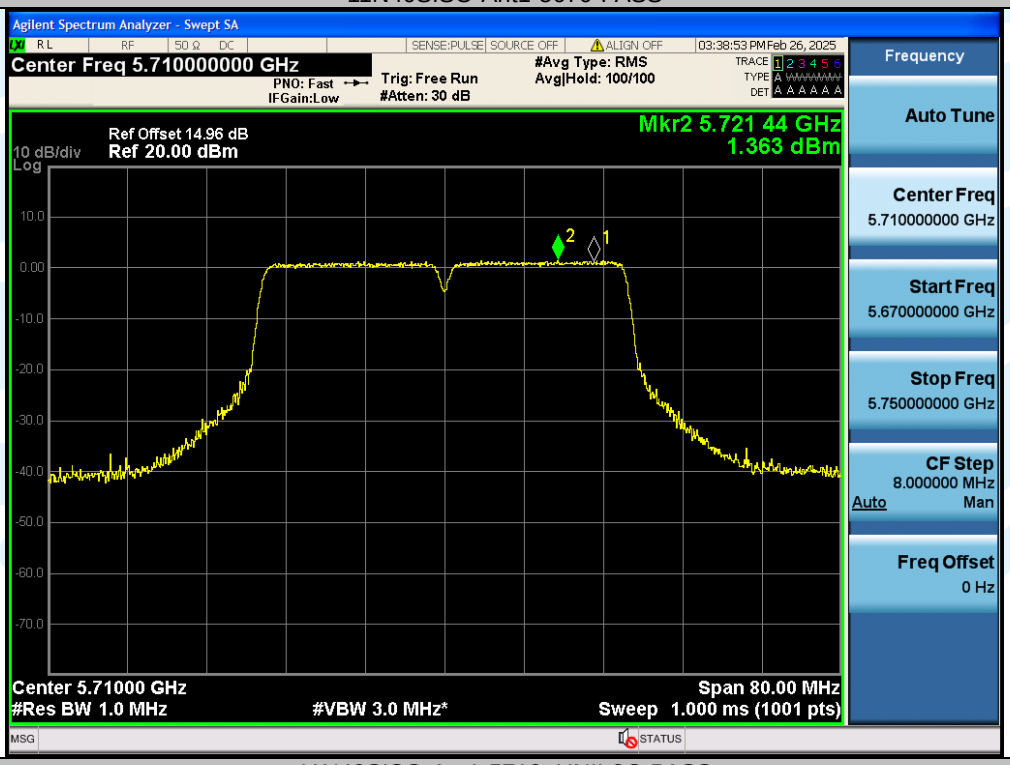
11N40SISO-Ant1-5550-PASS



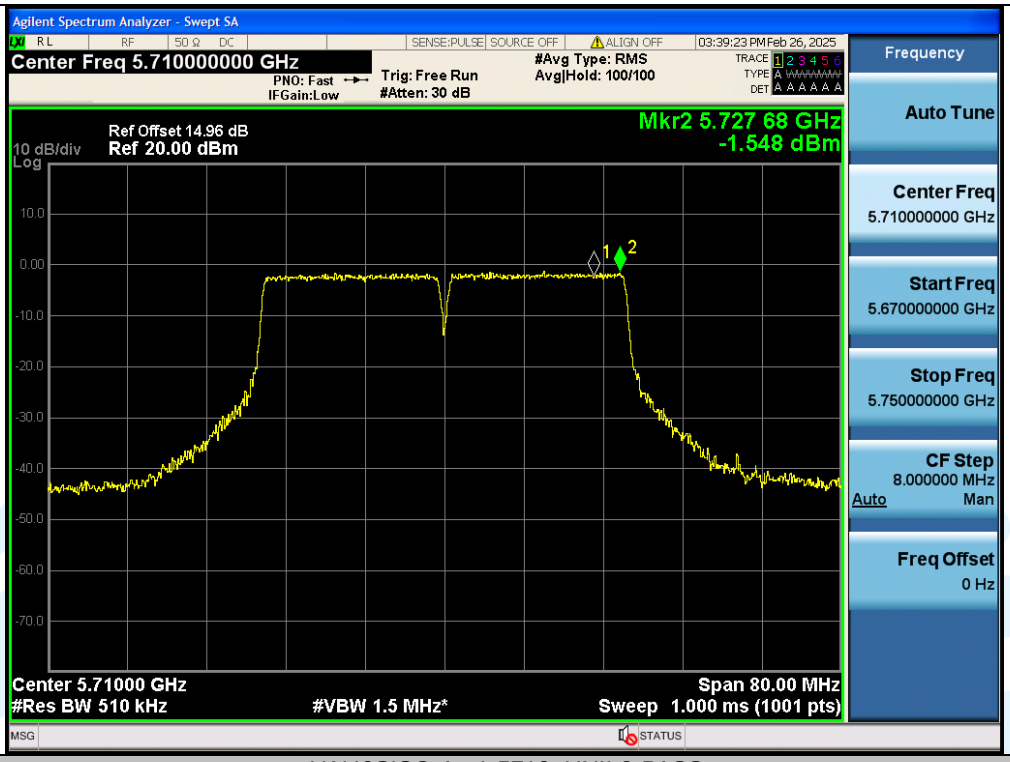
11N40SISO-Ant1-5590-PASS



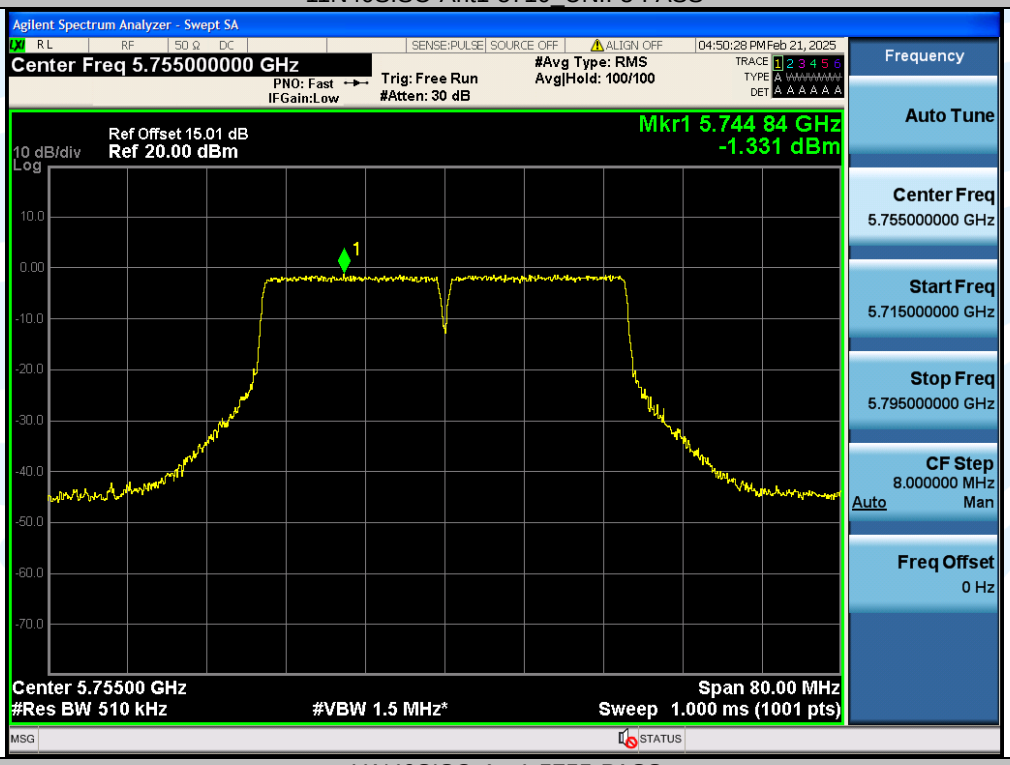
11N40SISO-Ant1-5670-PASS



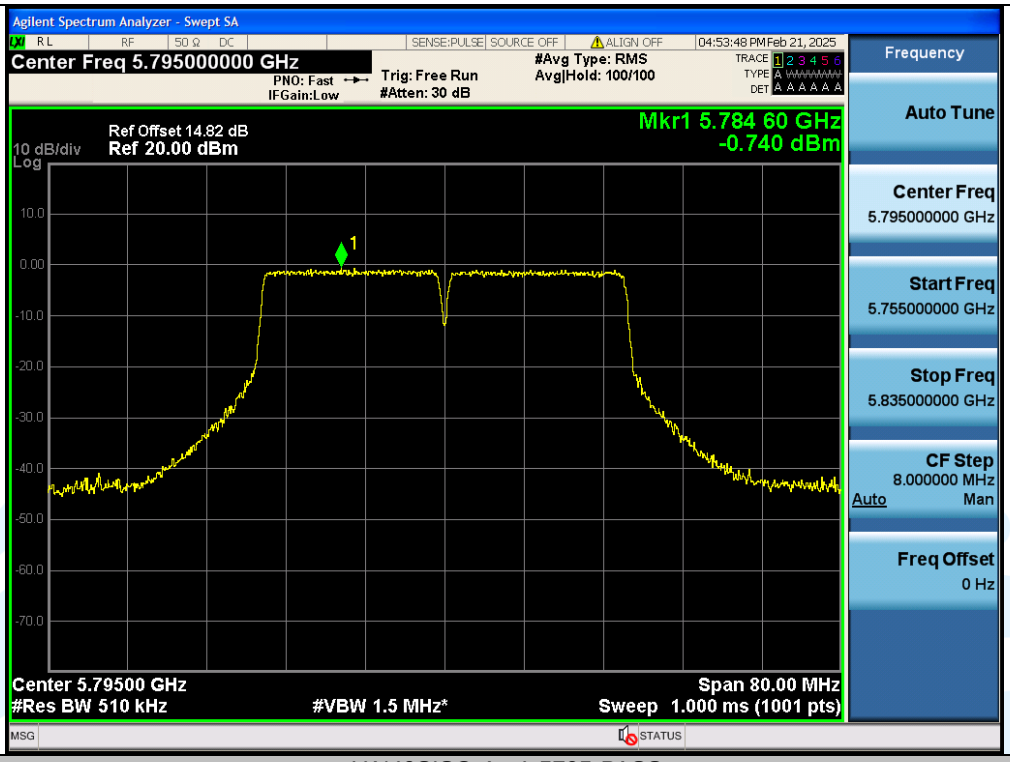
11N40SISO-Ant1-5710_UNII-2C-PASS



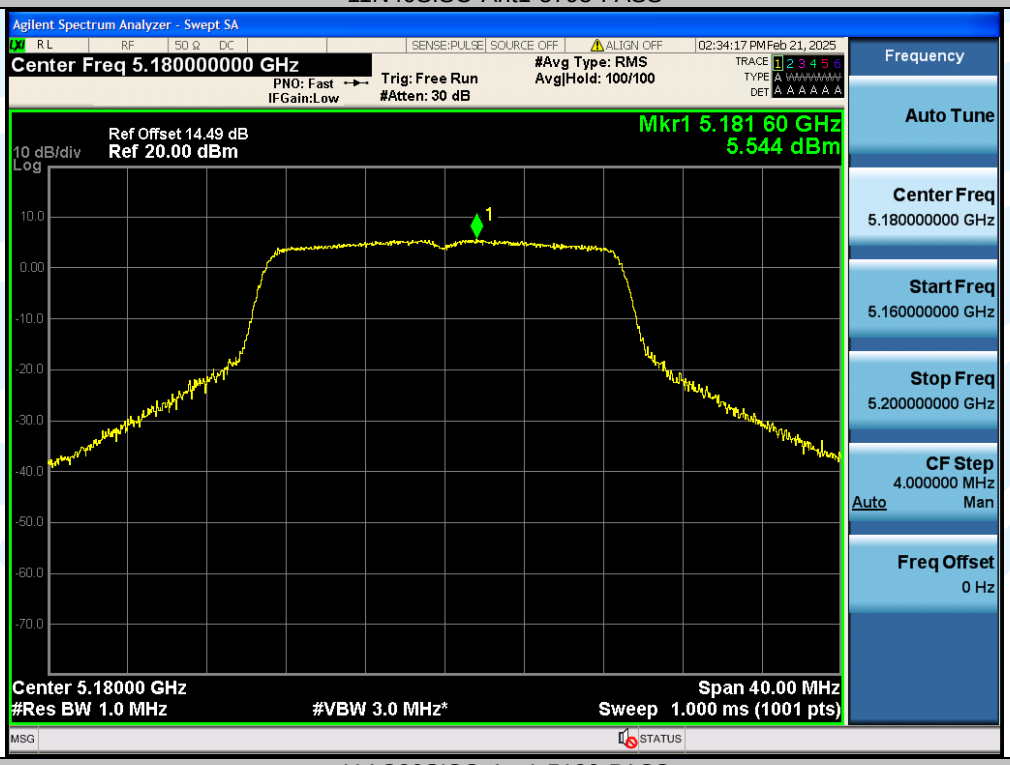
11N40SISO-Ant1-5710_UNII-3-PASS



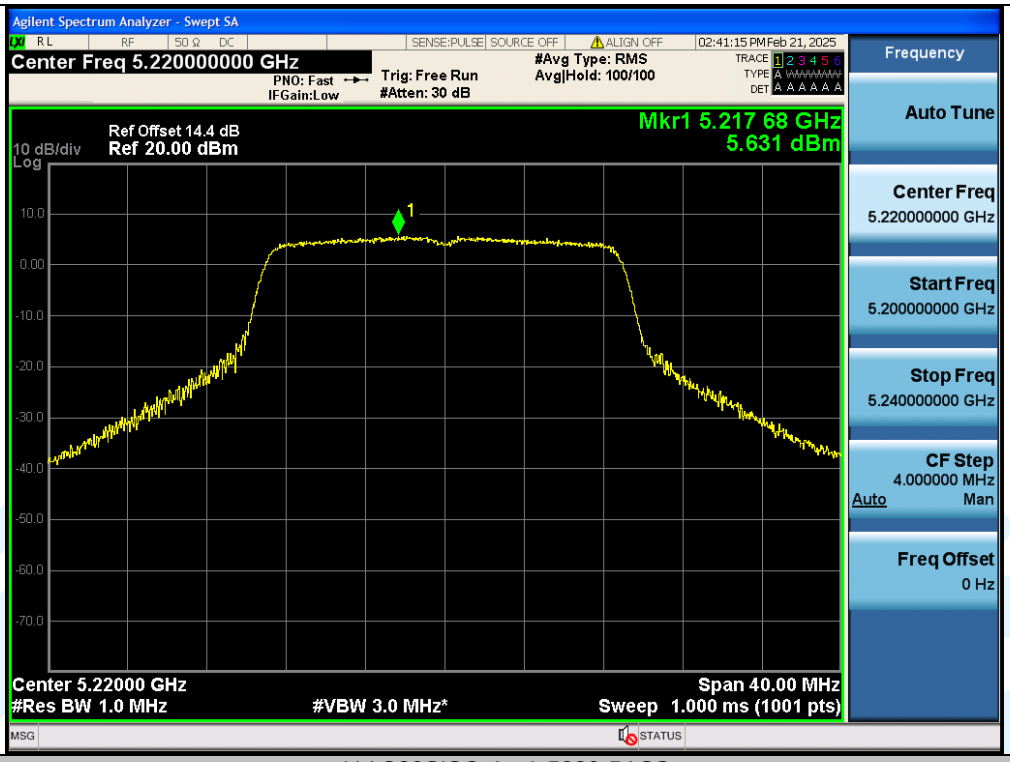
11N40SISO-Ant1-5755-PASS



11N40SISO-Ant1-5795-PASS



11AC20SISO-Ant1-5180-PASS

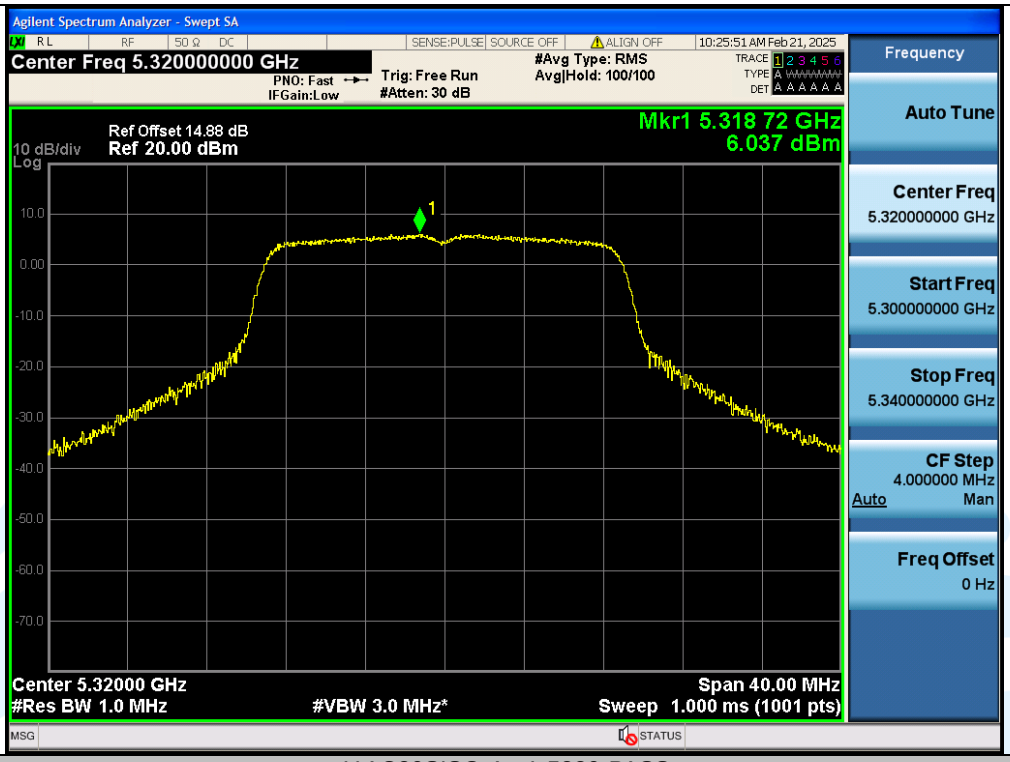


11AC20SISO-Ant1-5220-PASS

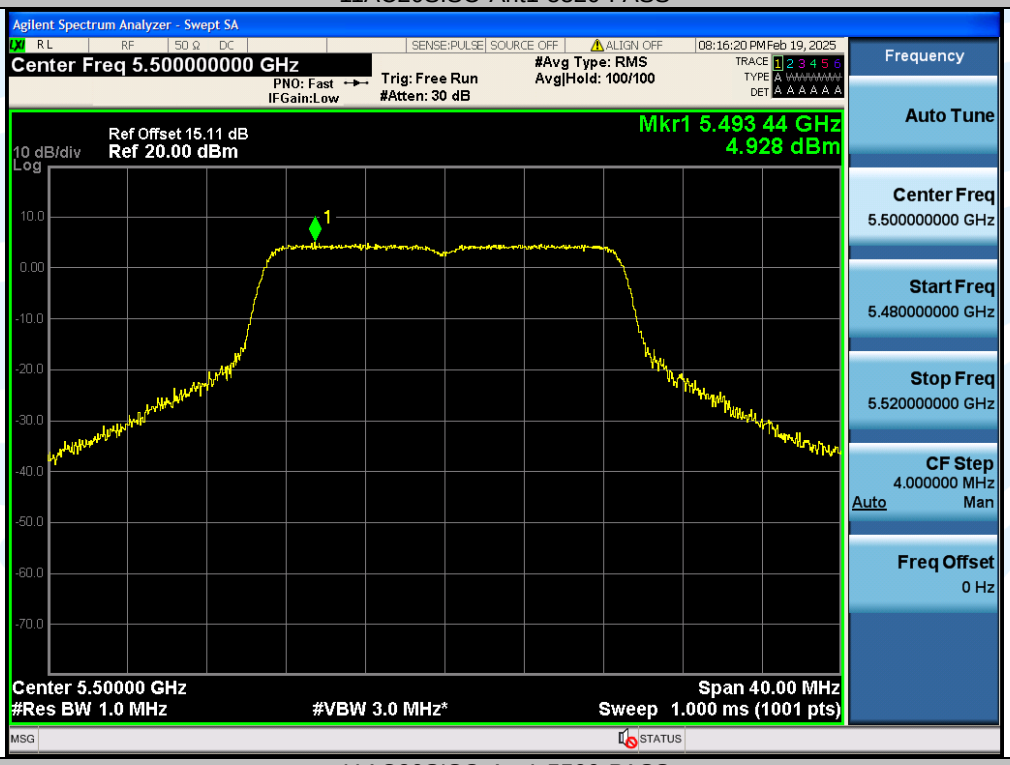
11AC20SISO-Ant1-5240-PASS

11AC20SISO-Ant1-5260-PASS

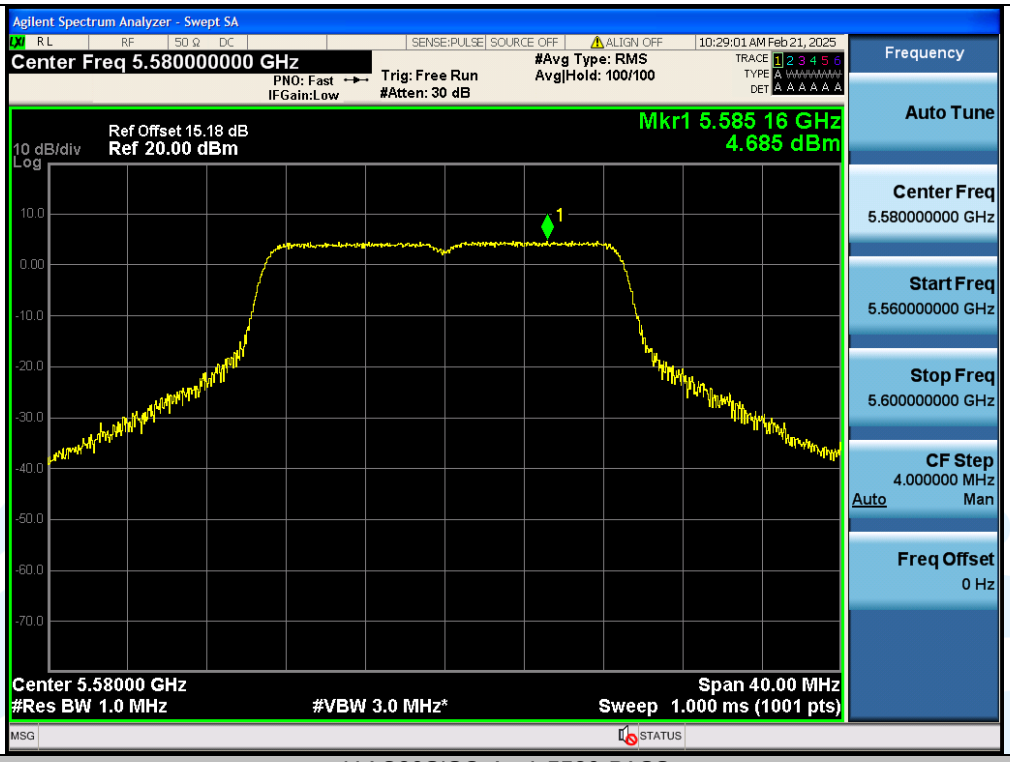
11AC20SISO-Ant1-5300-PASS



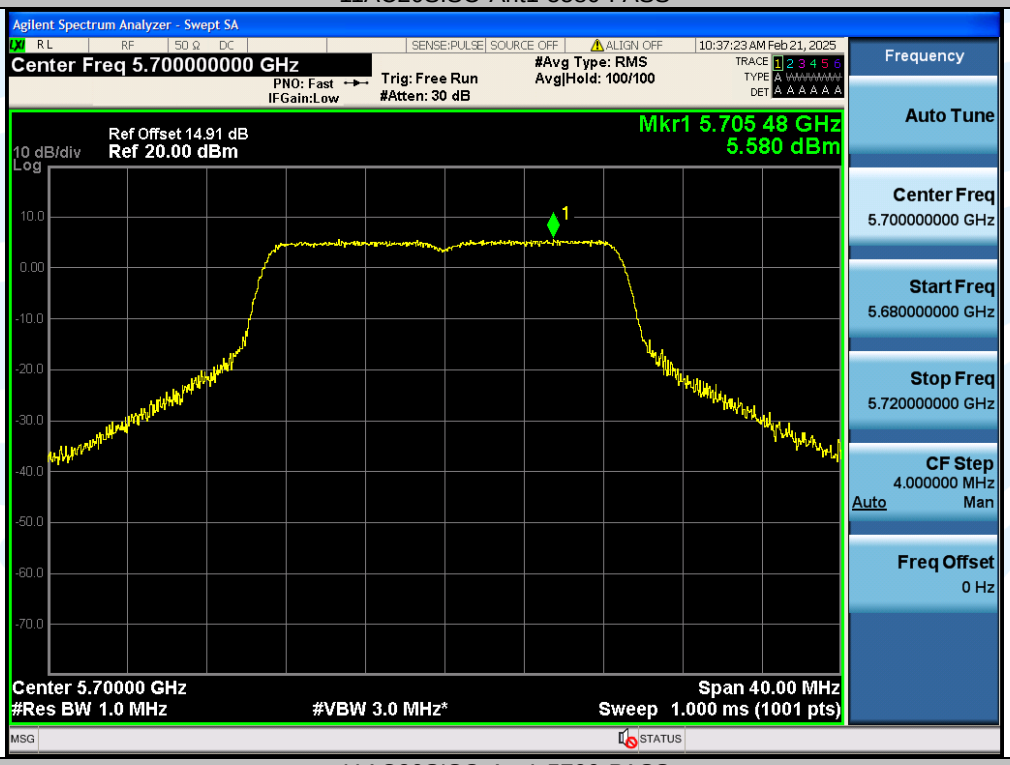
11AC20SISO-Ant1-5320-PASS



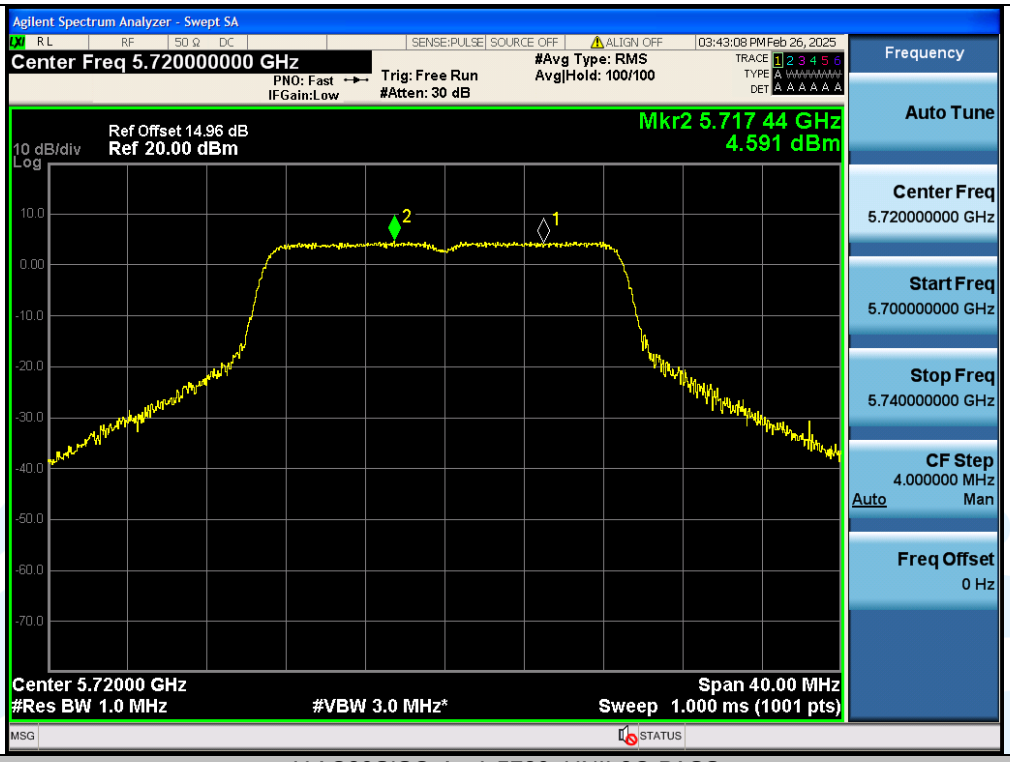
11AC20SISO-Ant1-5500-PASS



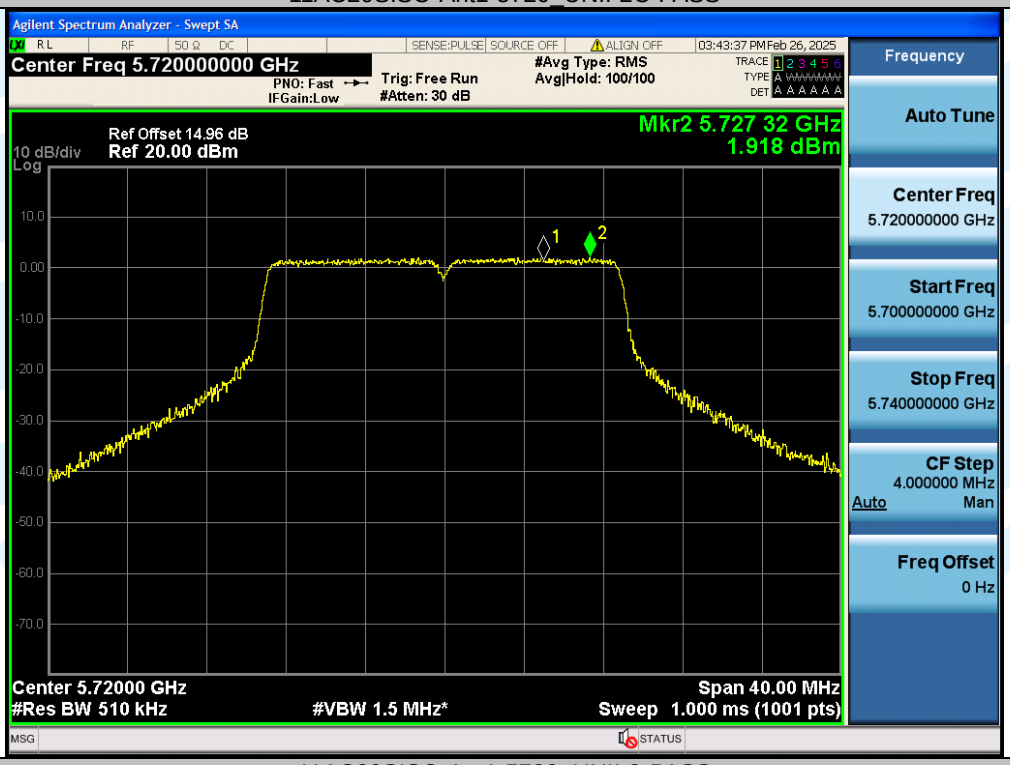
11AC20SISO-Ant1-5580-PASS



11AC20SISO-Ant1-5700-PASS

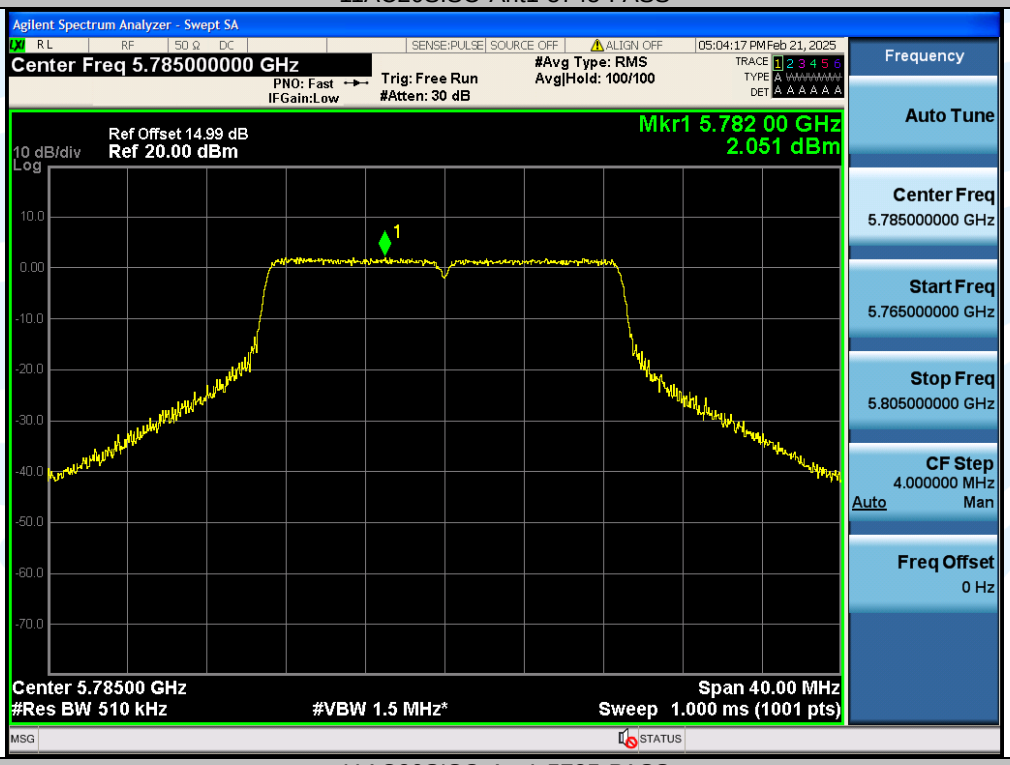


11AC20SISO-Ant1-5720_UNII-2C-PASS

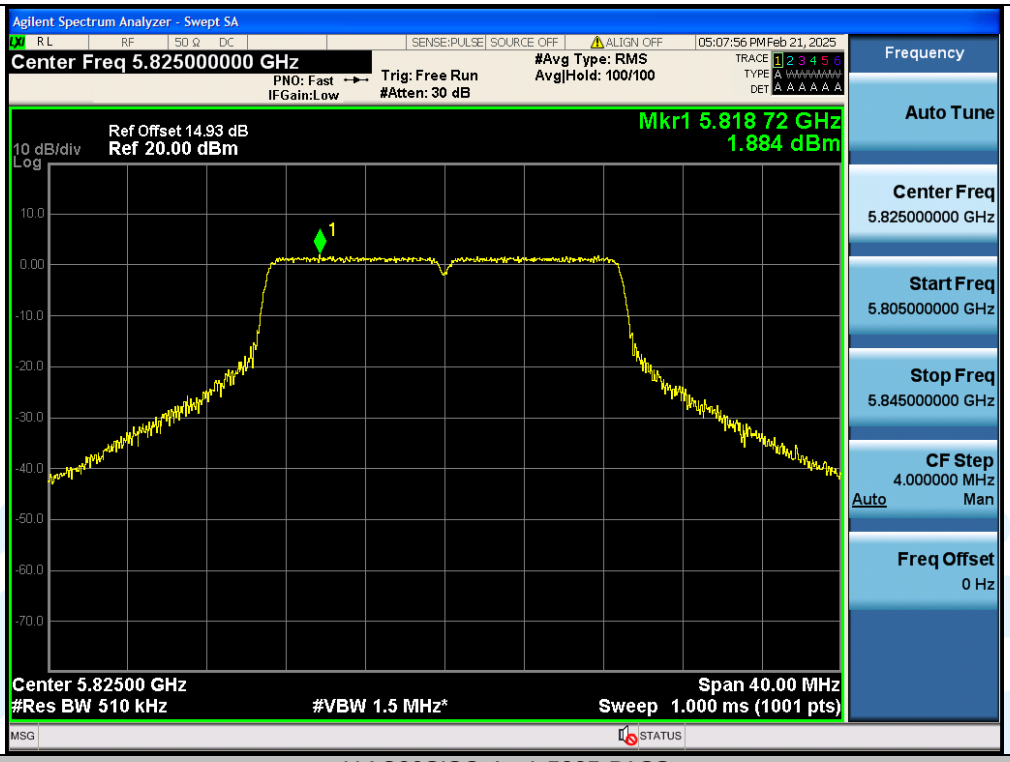


11AC20SISO-Ant1-5720_UNII-3-PASS

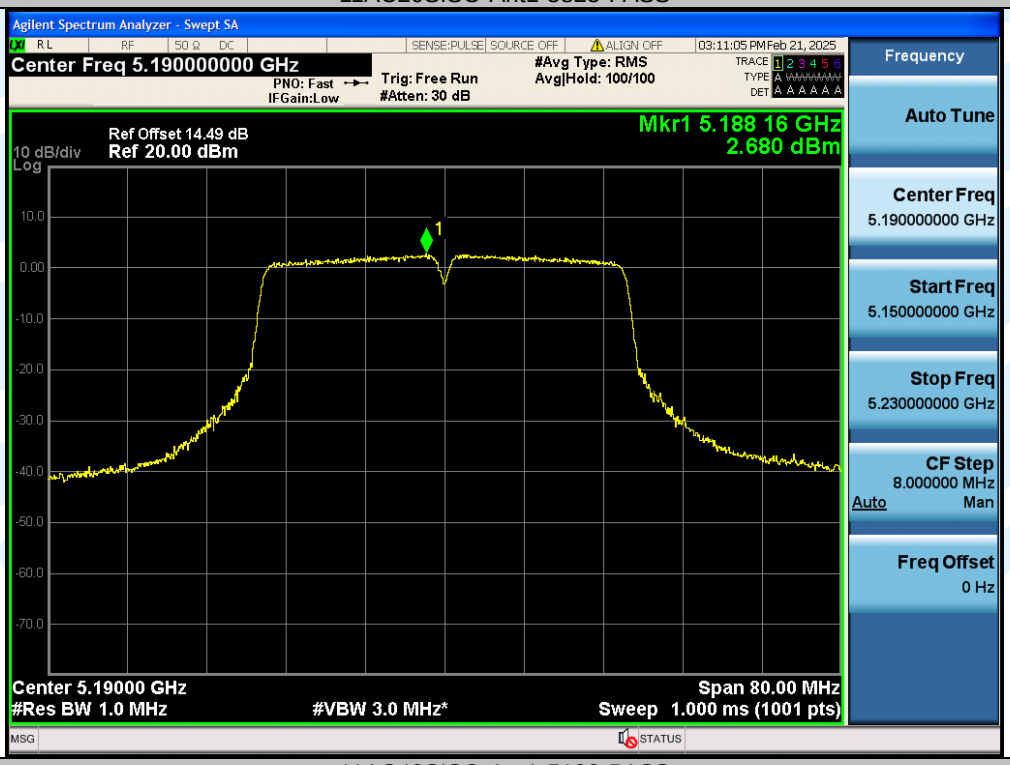
11AC20SISO-Ant1-5745-PASS



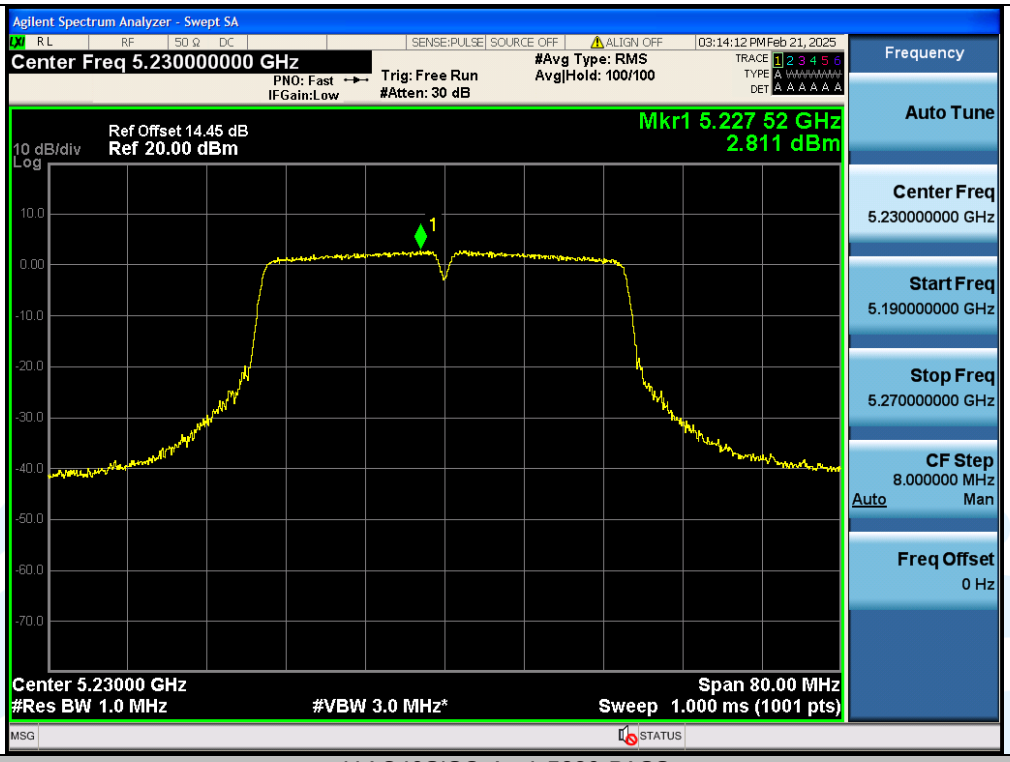
11AC20SISO-Ant1-5785-PASS



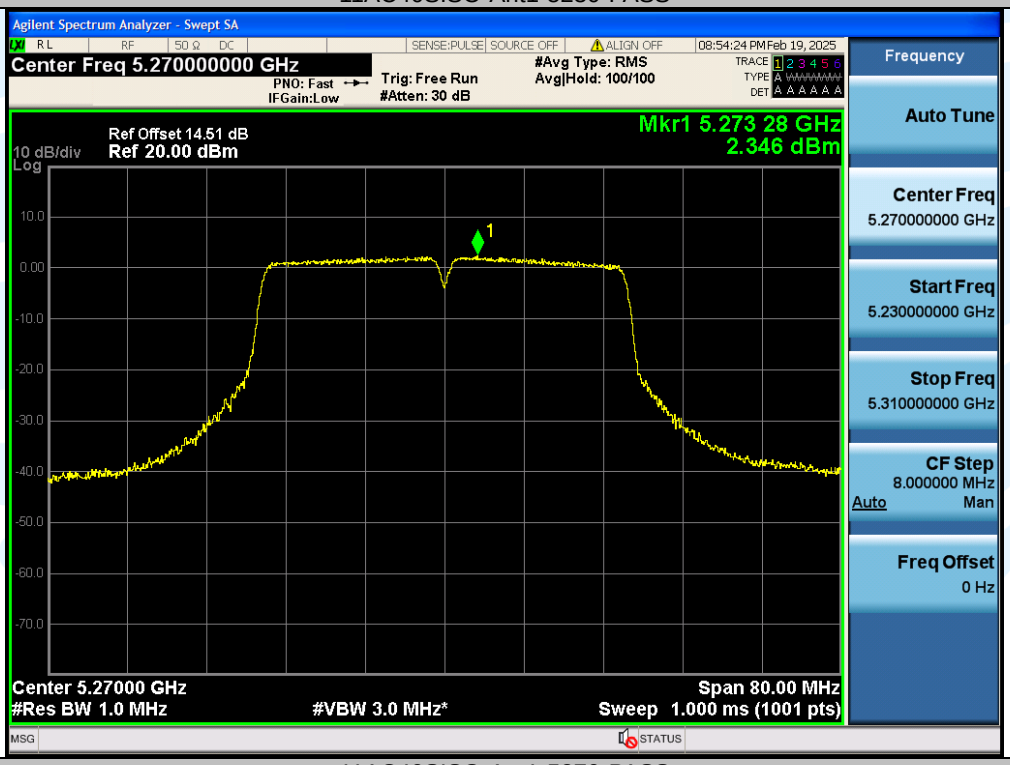
11AC20SISO-Ant1-5825-PASS



11AC40SISO-Ant1-5190-PASS

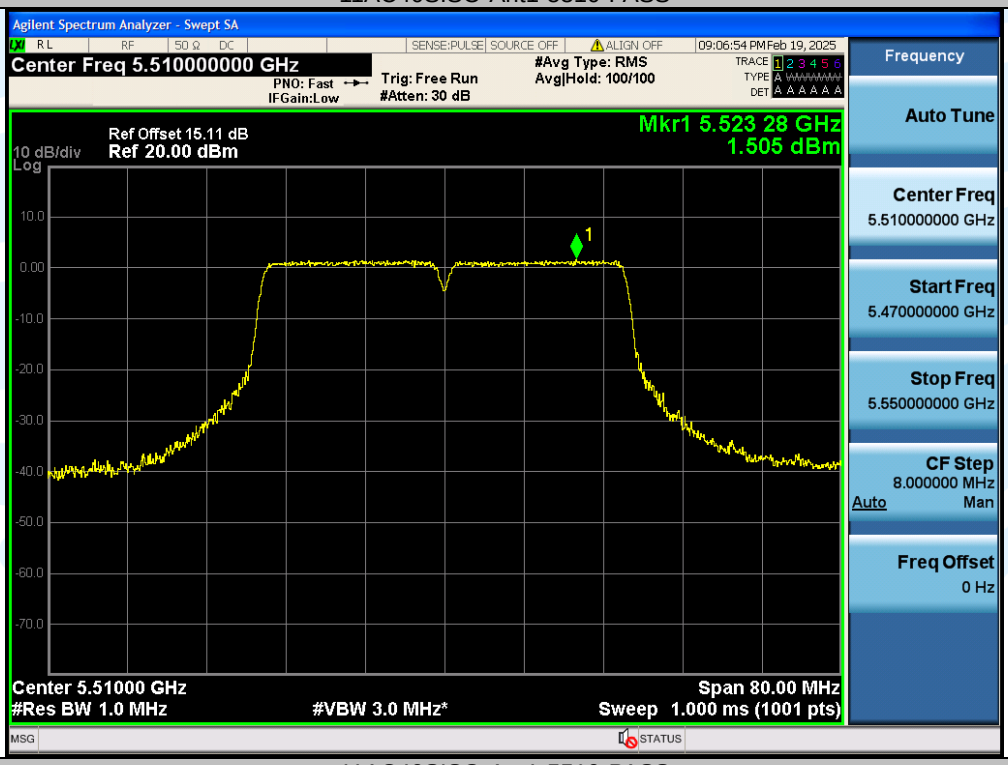


11AC40SISO-Ant1-5230-PASS

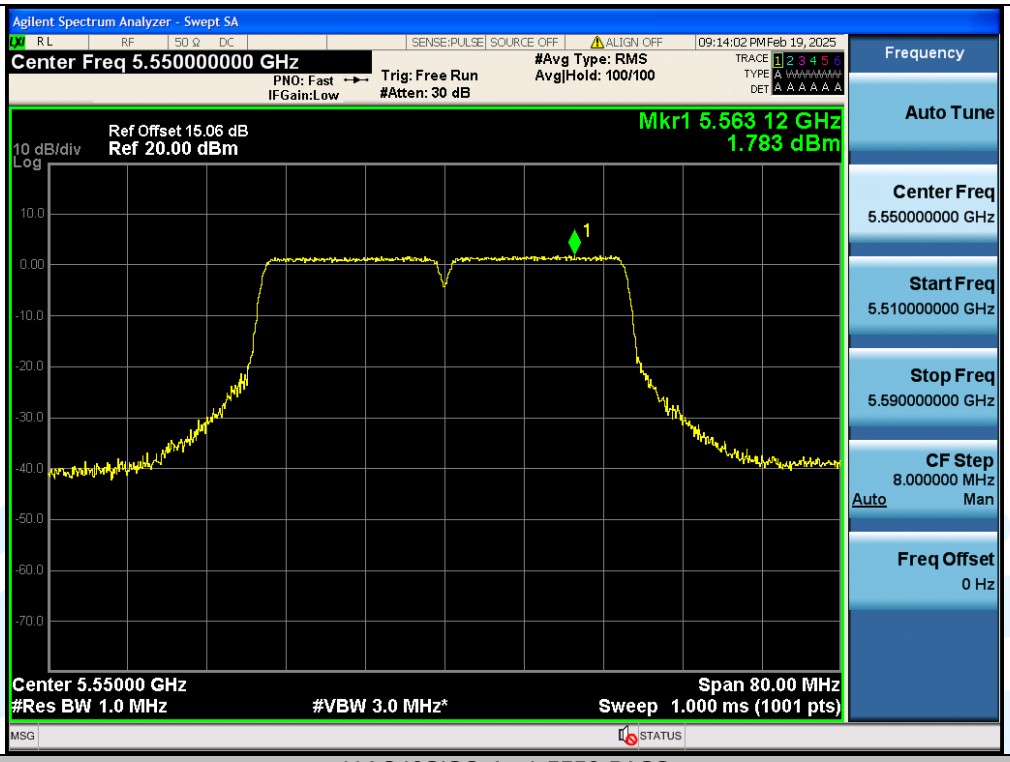


11AC40SISO-Ant1-5270-PASS

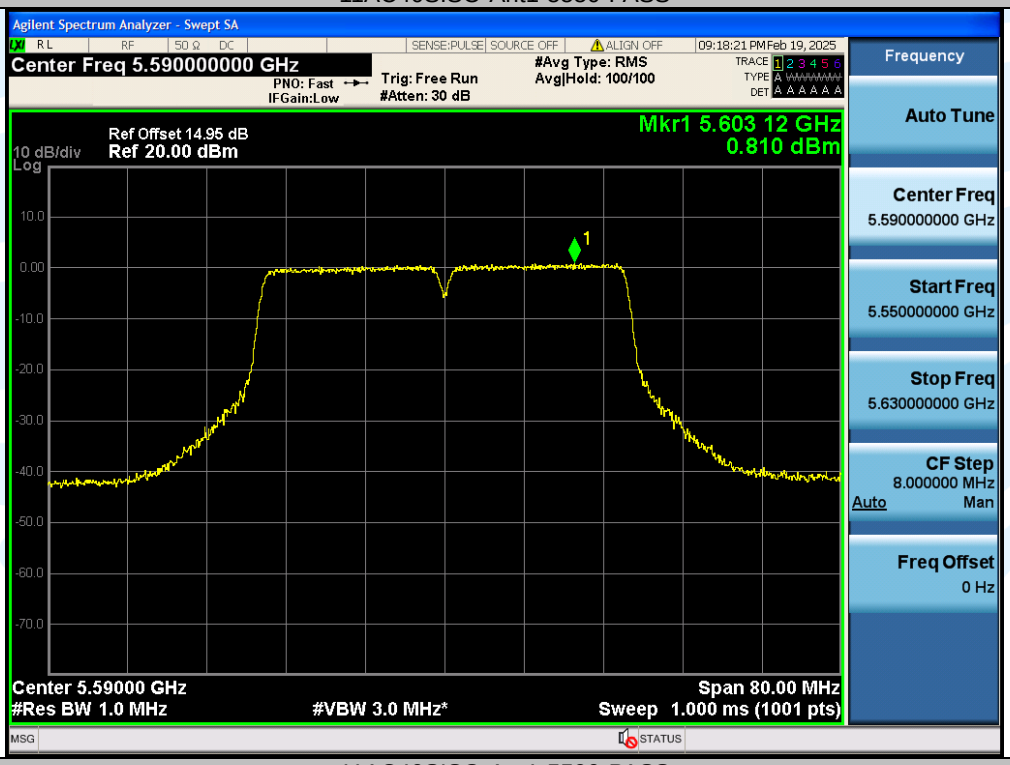
11AC40SISO-Ant1-5310-PASS



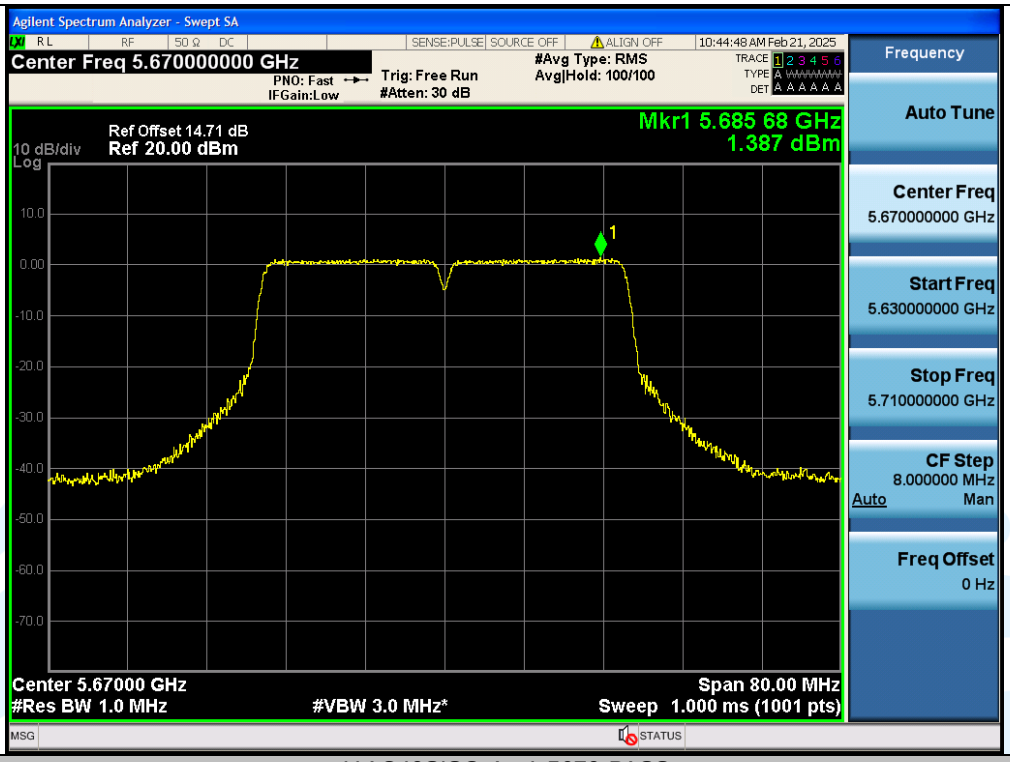
11AC40SISO-Ant1-5510-PASS



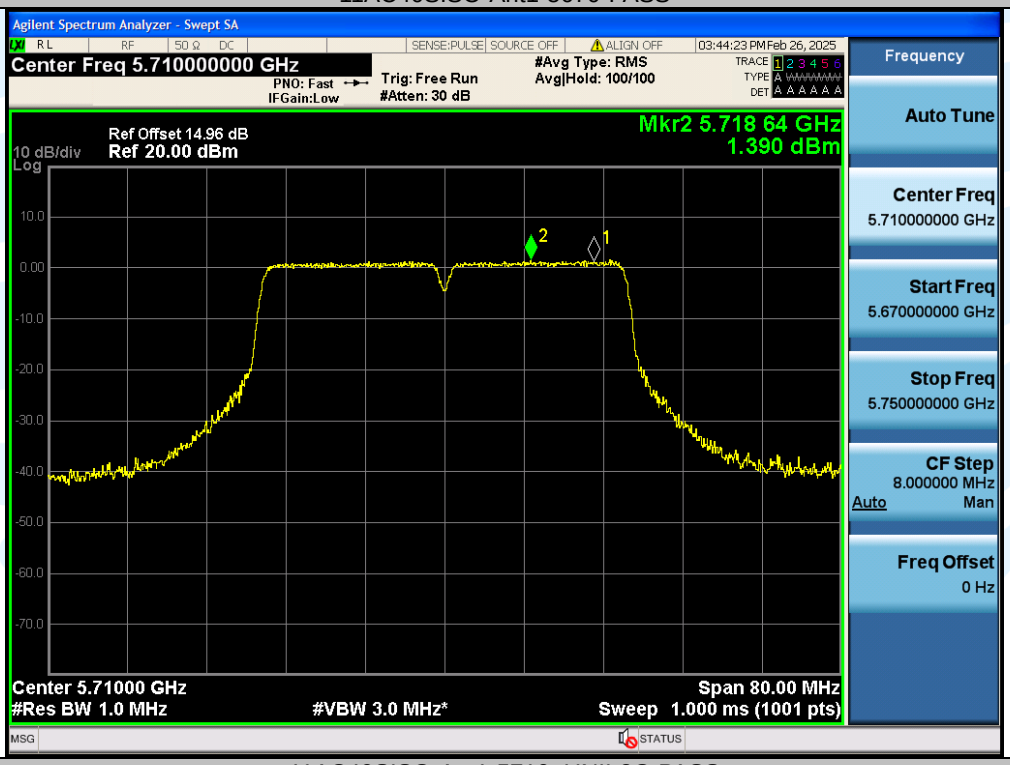
11AC40SISO-Ant1-5550-PASS



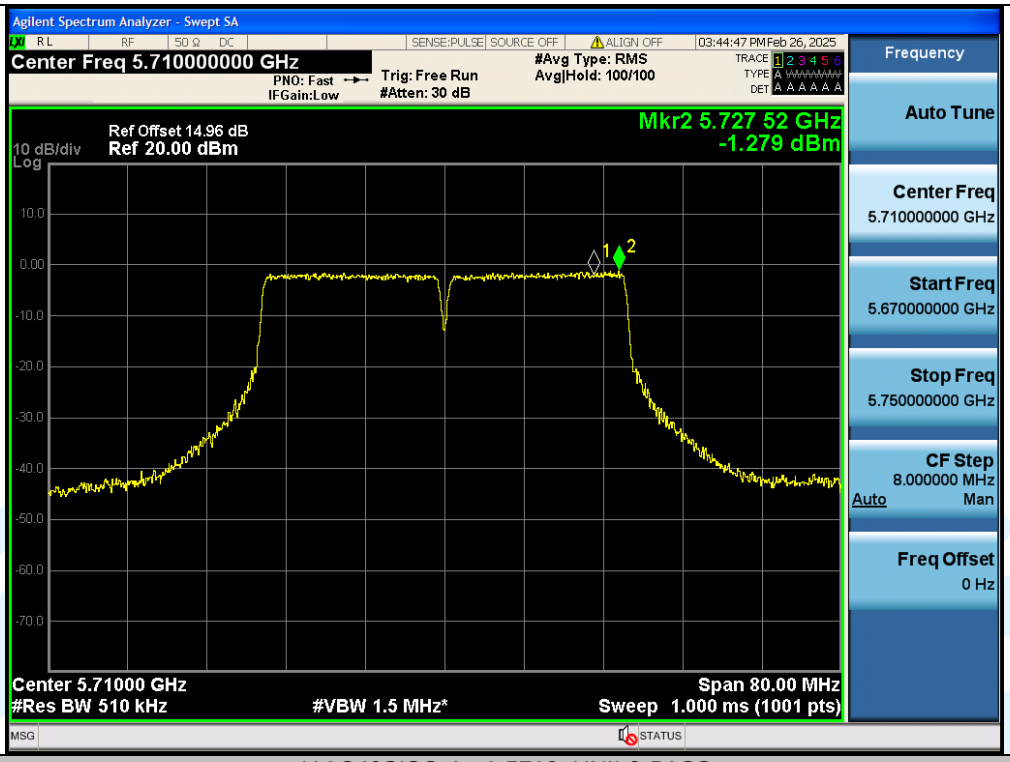
11AC40SISO-Ant1-5590-PASS



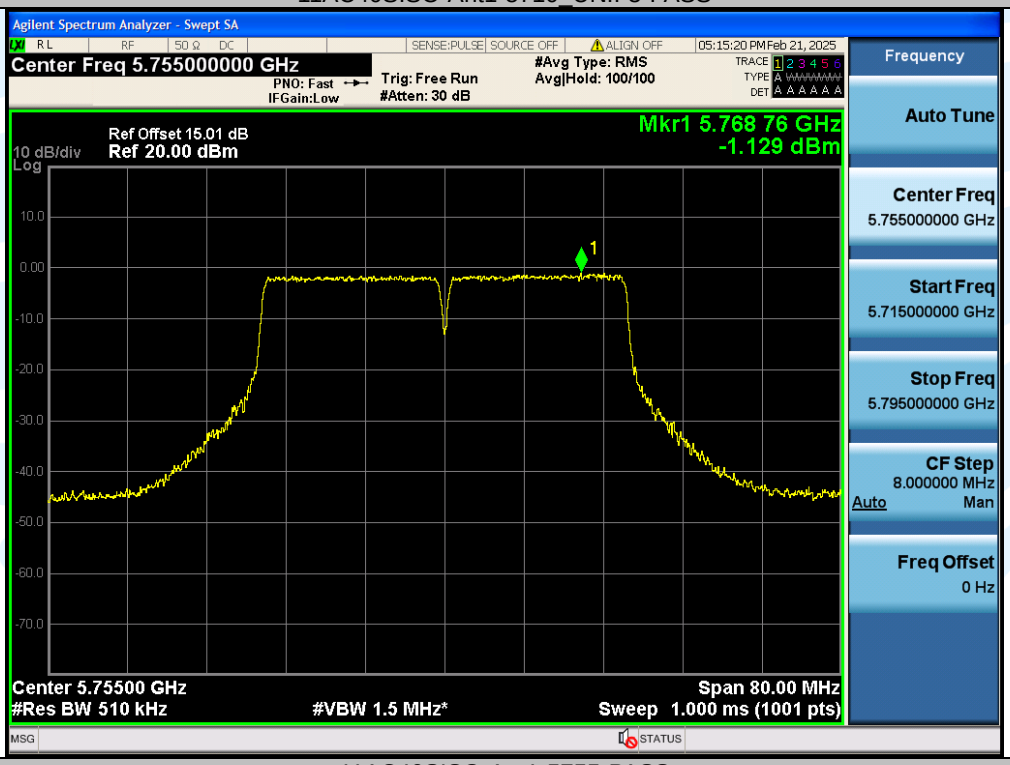
11AC40SISO-Ant1-5670-PASS



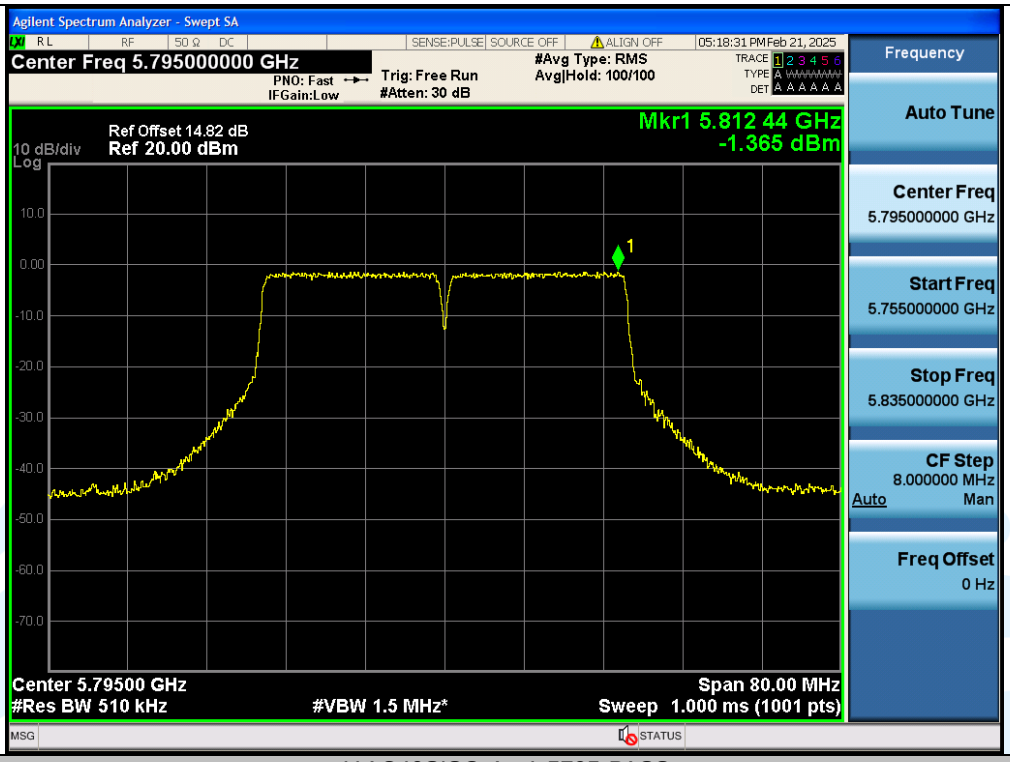
11AC40SISO-Ant1-5710_UNII-2C-PASS



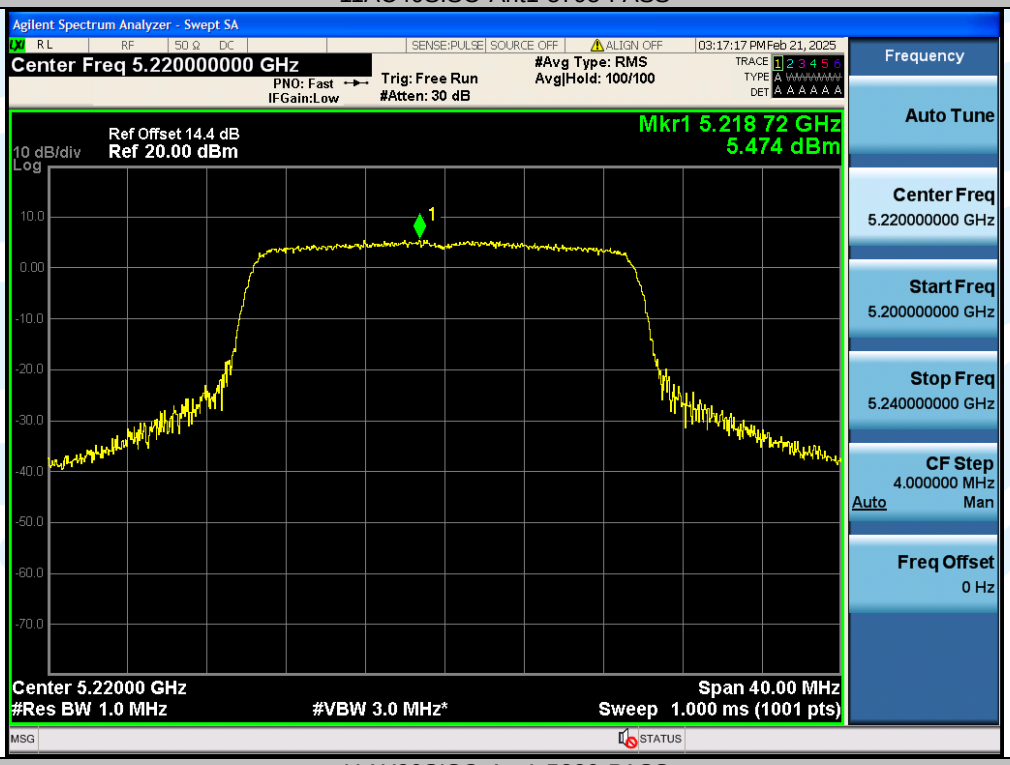
11AC40SISO-Ant1-5710_UNII-3-PASS



11AC40SISO-Ant1-5755-PASS

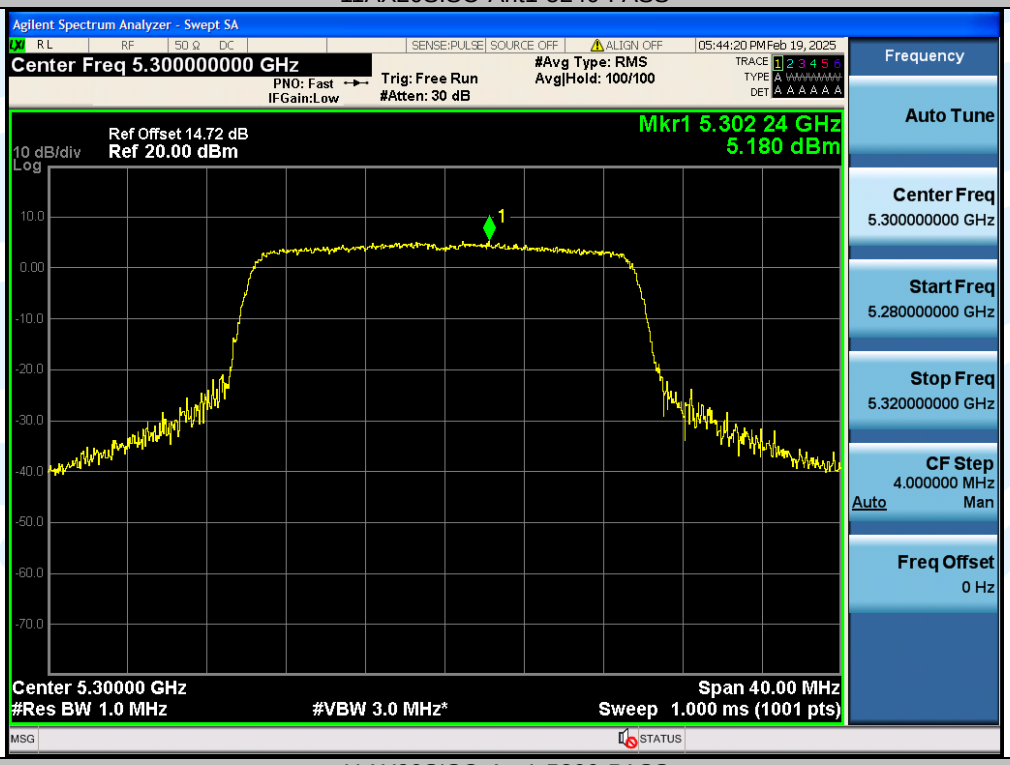


11AC40SISO-Ant1-5795-PASS

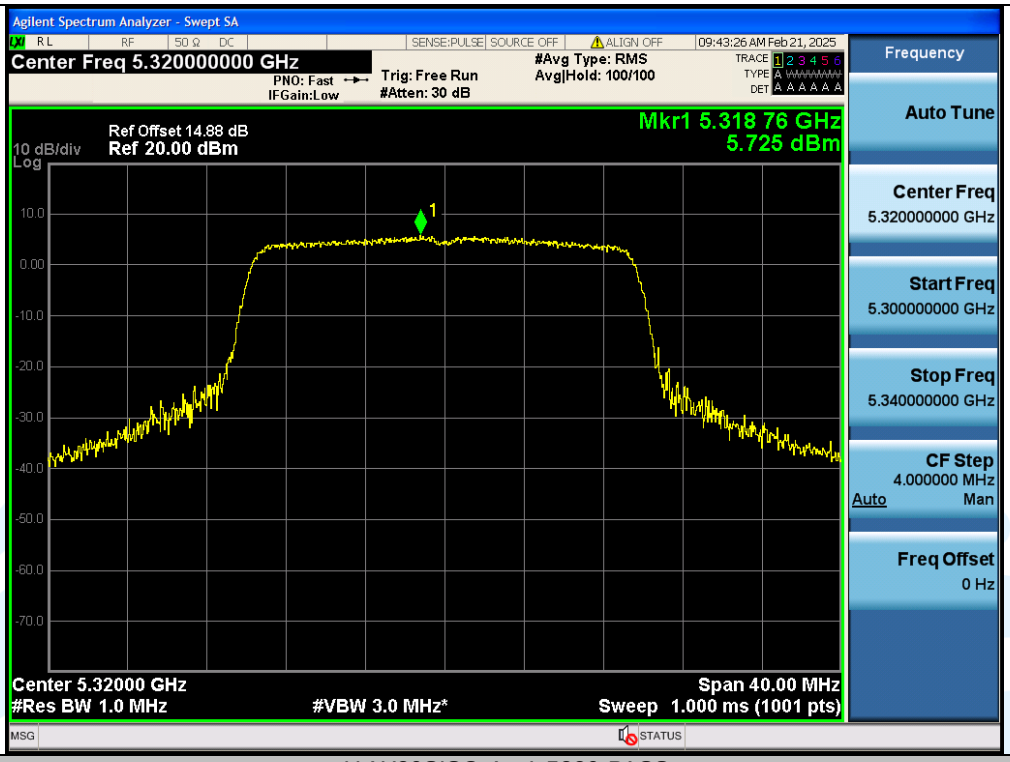


11AX20SISO-Ant1-5220-PASS

11AX20SISO-Ant1-5240-PASS



11AX20SISO-Ant1-5300-PASS



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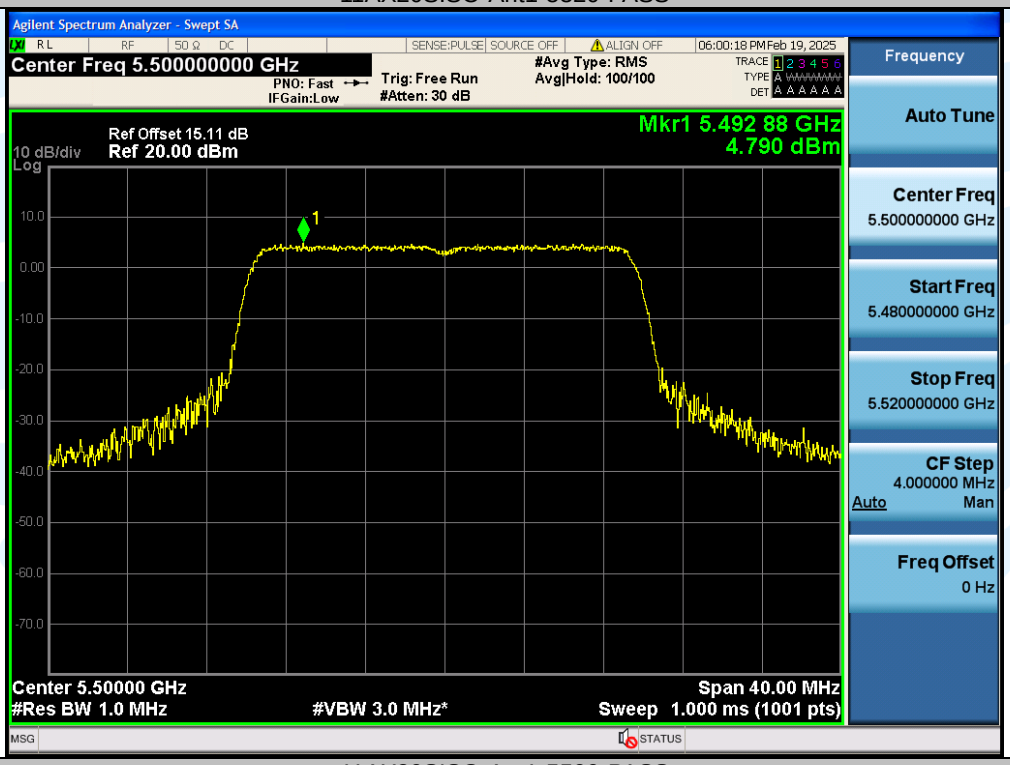

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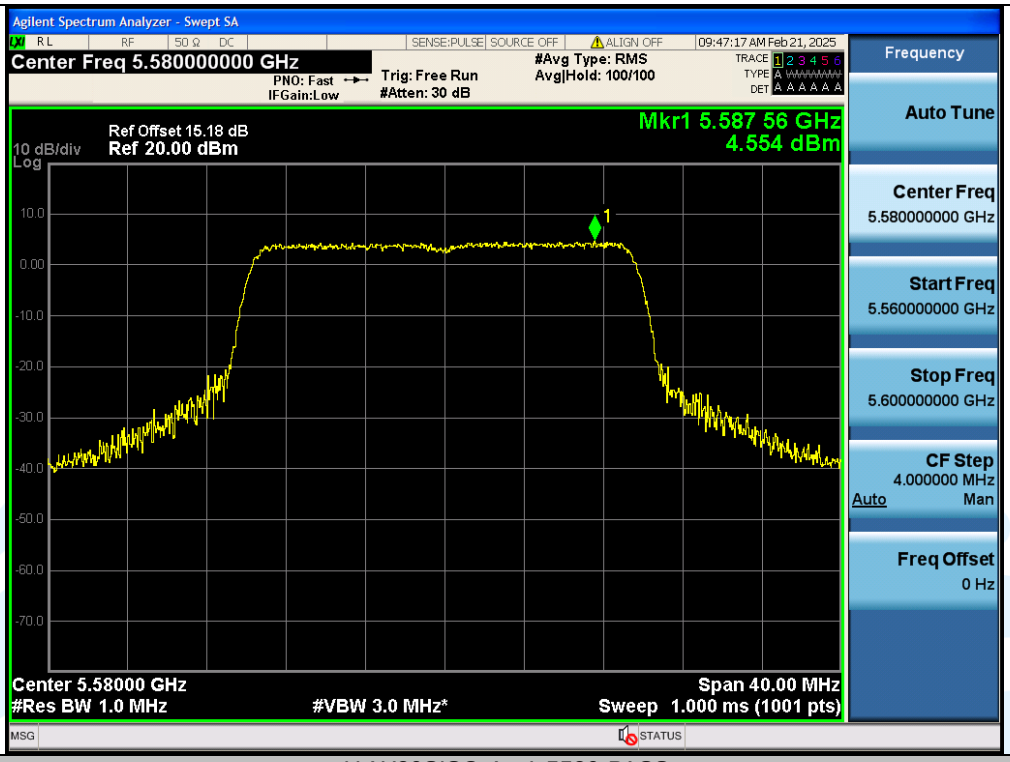
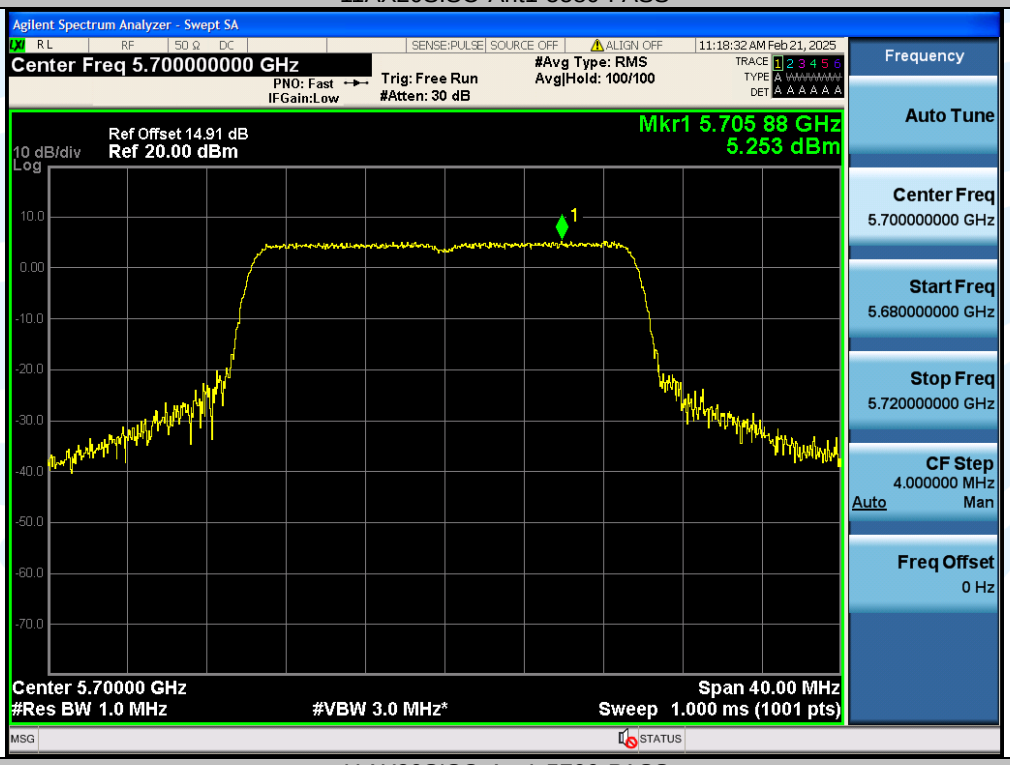


11AX20SISO-Ant1-5580-PASS



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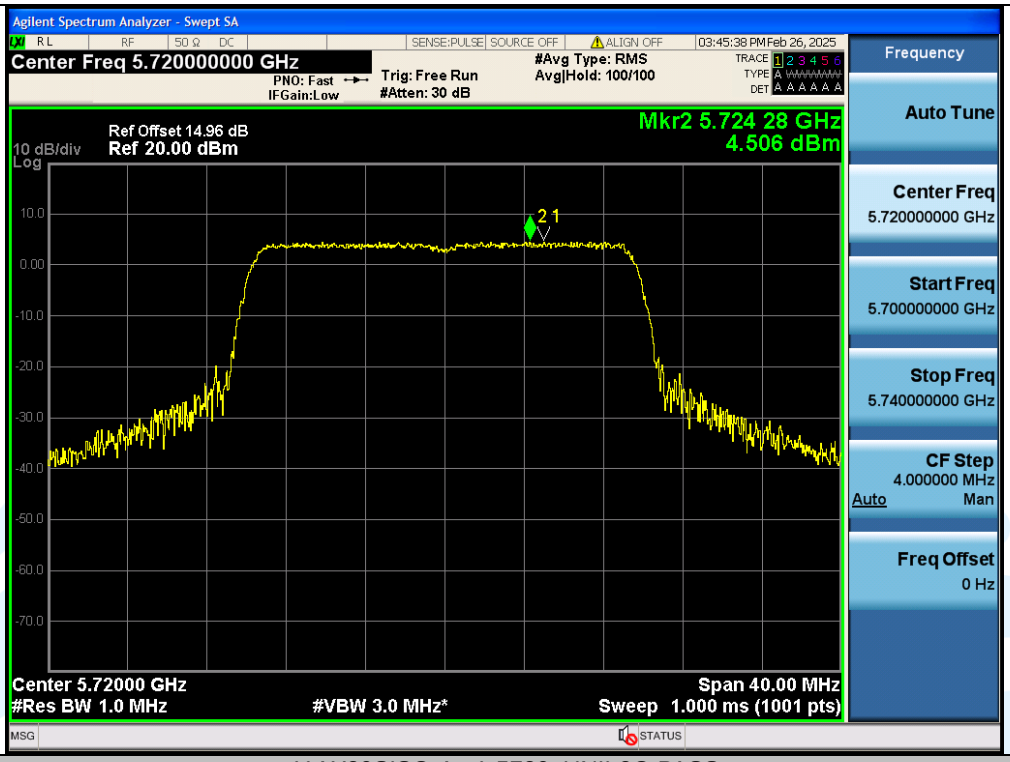
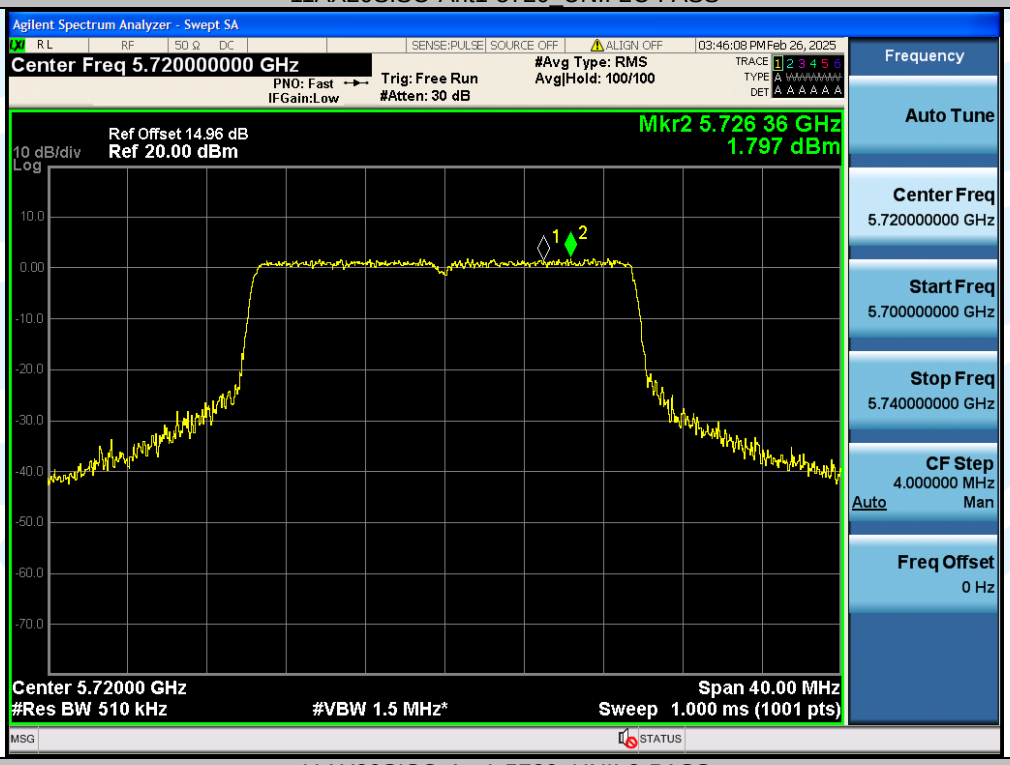


11AX20SISO-Ant1-5720_UNII-2C-PASS



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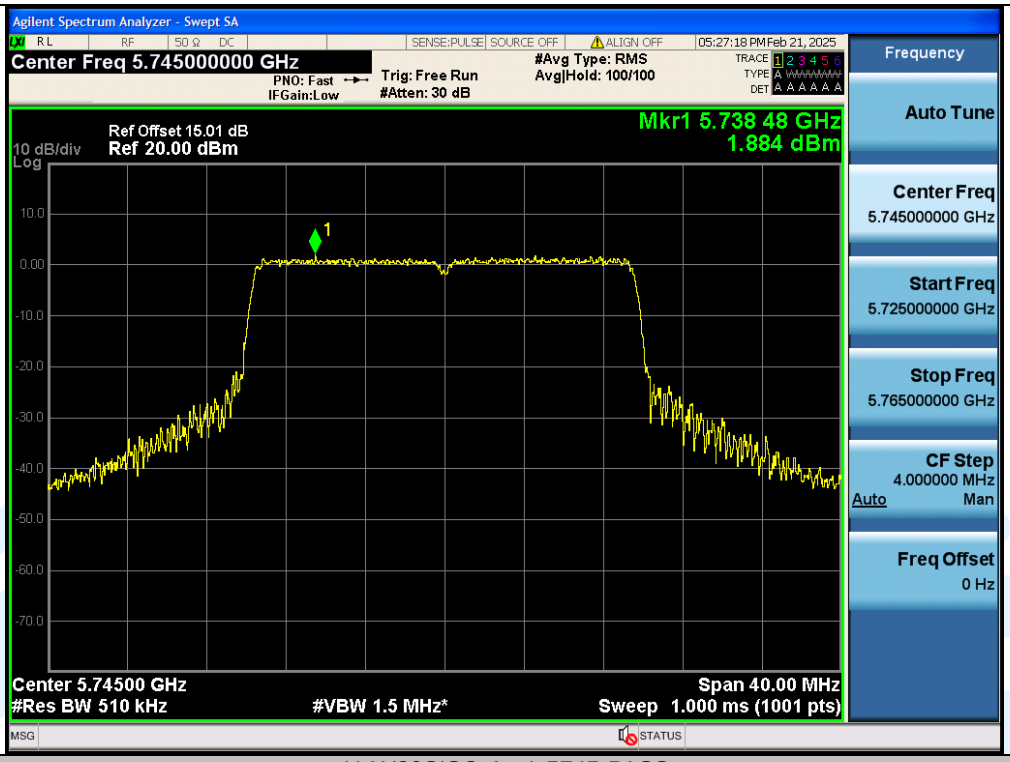

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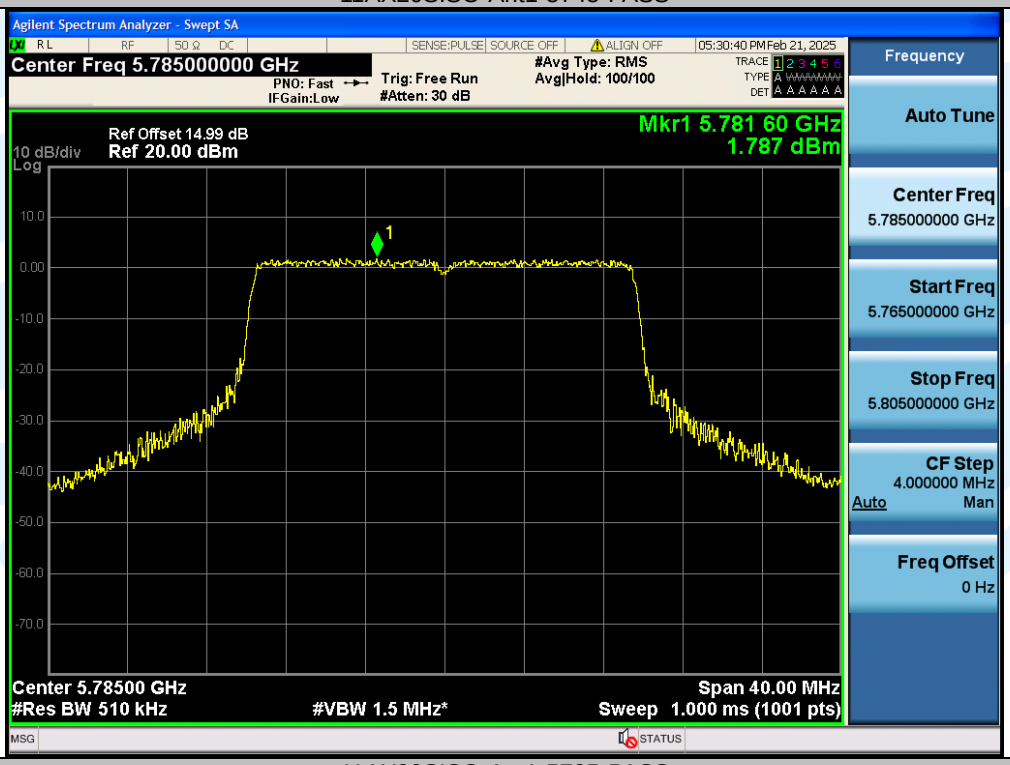
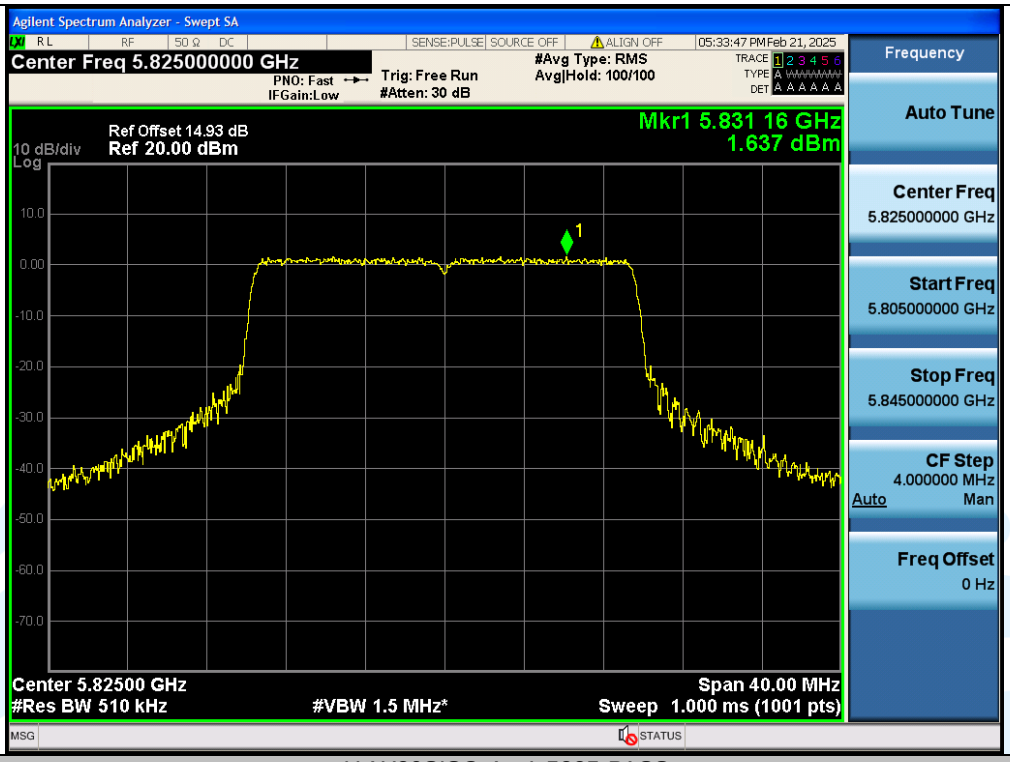
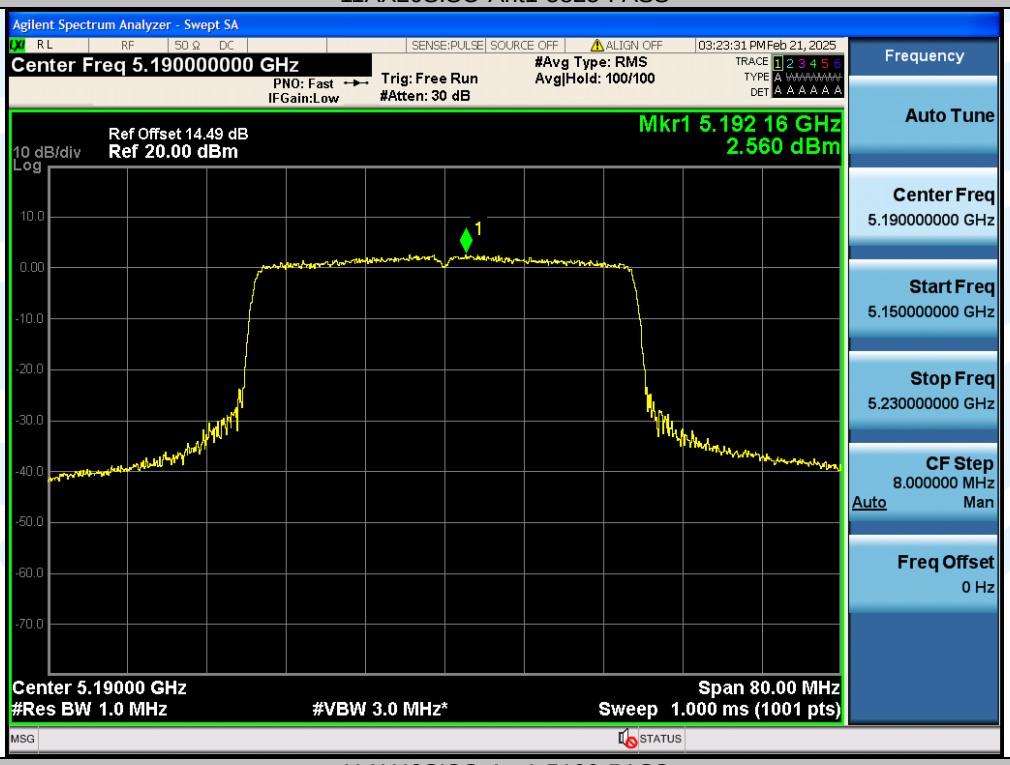


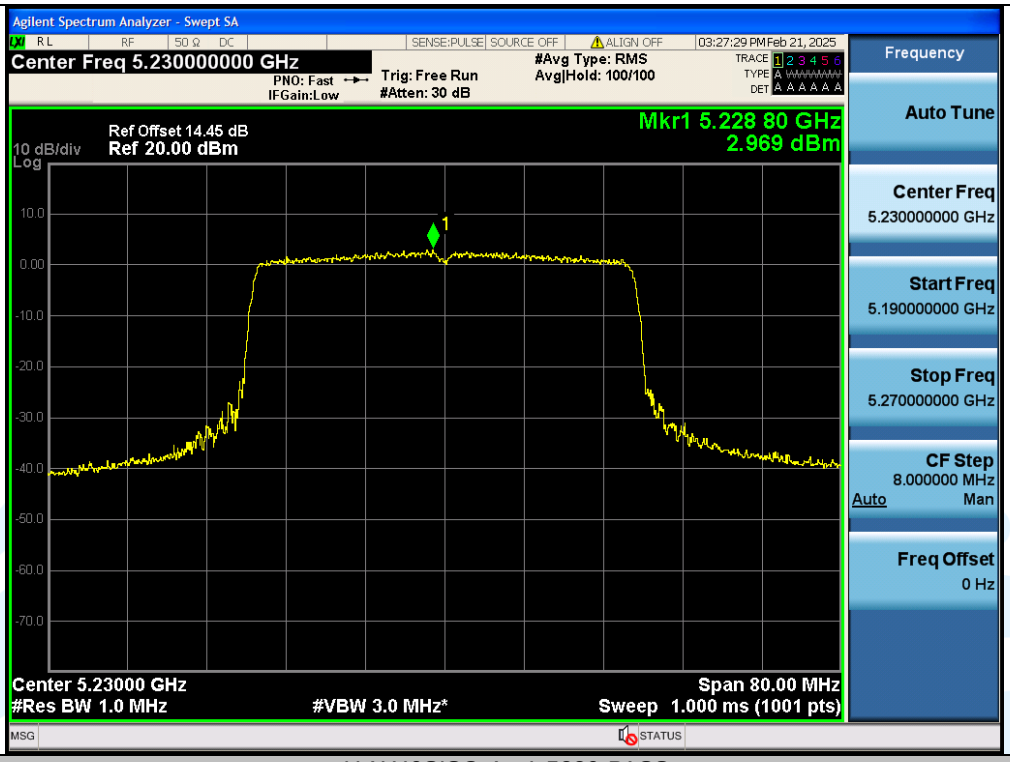
11AX20SISO-Ant1-5785-PASS



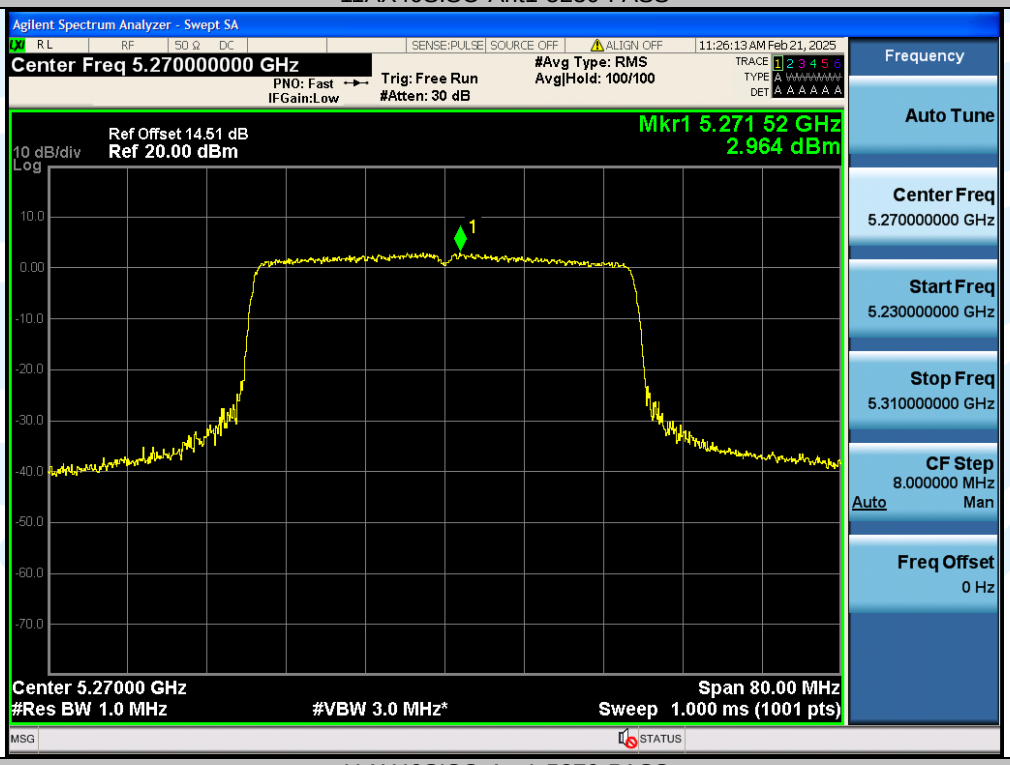
11AX20SISO-Ant1-5825-PASS



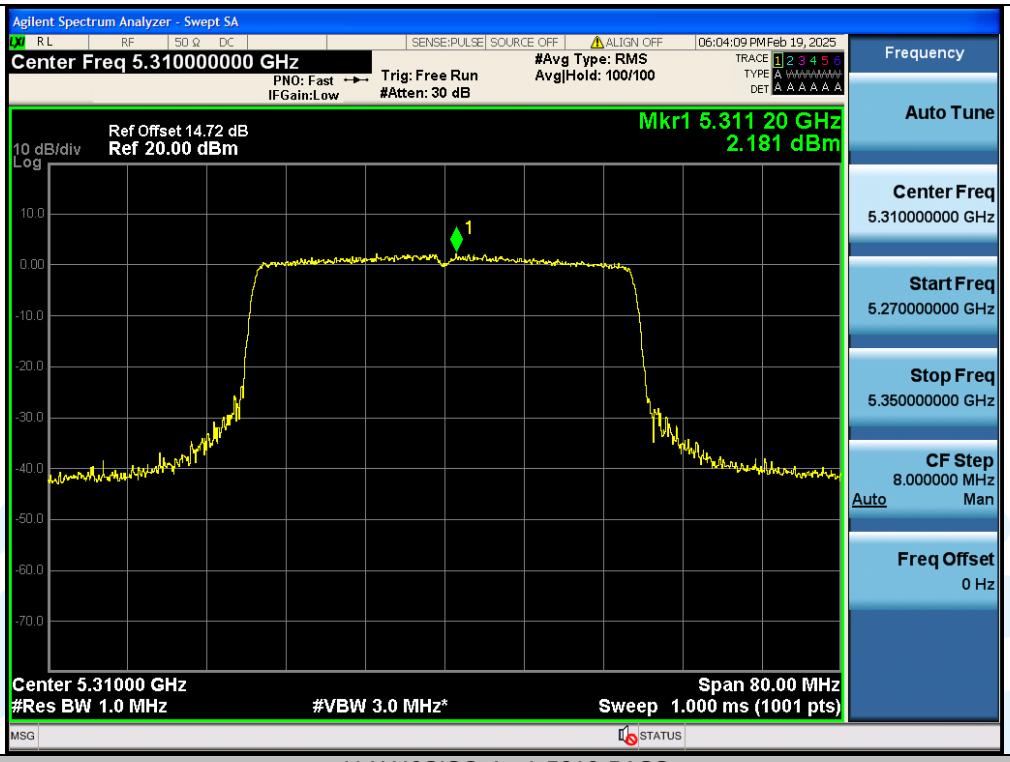
11AX40SISO-Ant1-5190-PASS



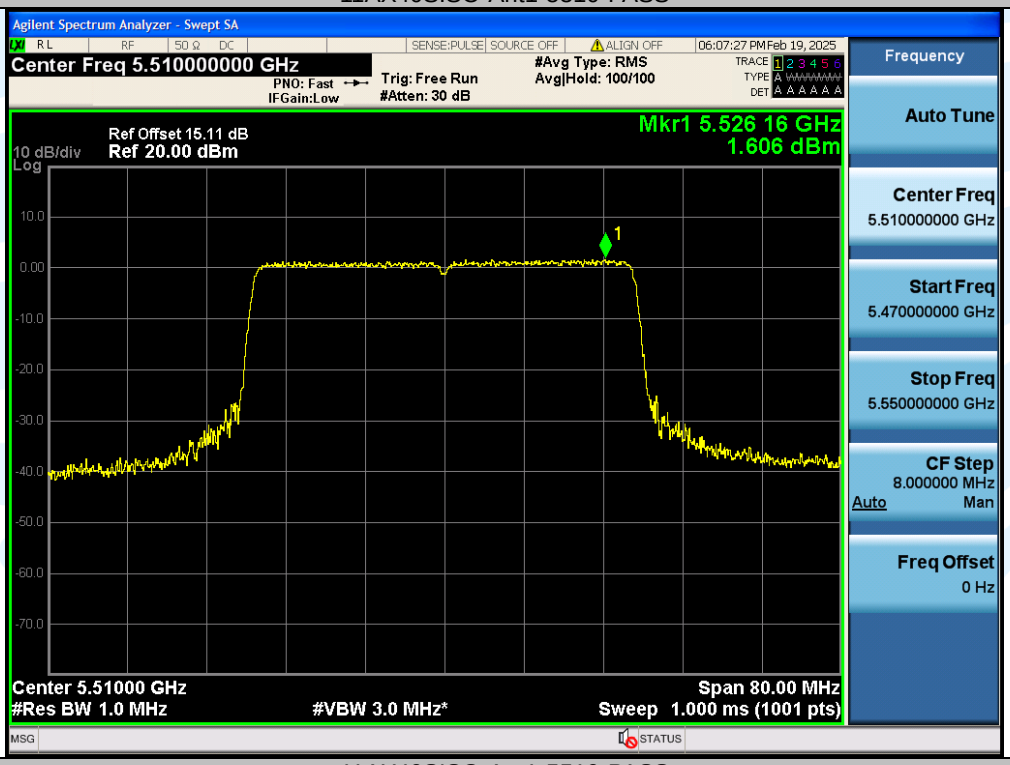
11AX40SISO-Ant1-5230-PASS



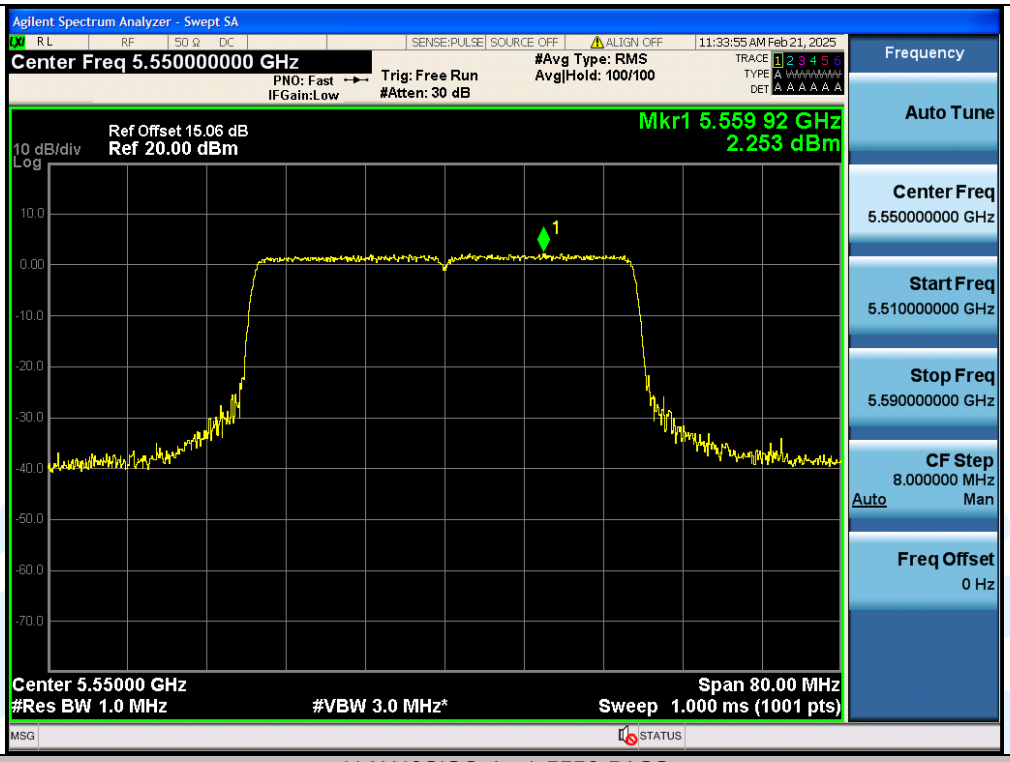
11AX40SISO-Ant1-5270-PASS



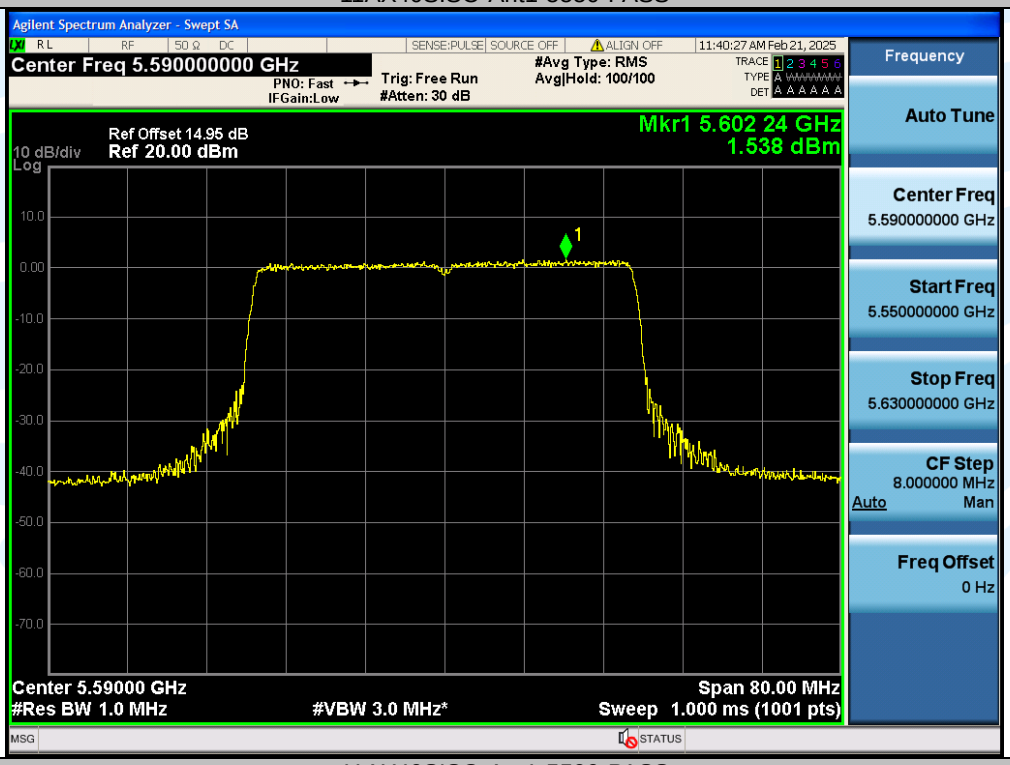
11AX40SISO-Ant1-5310-PASS



11AX40SISO-Ant1-5510-PASS



11AX40SISO-Ant1-5550-PASS



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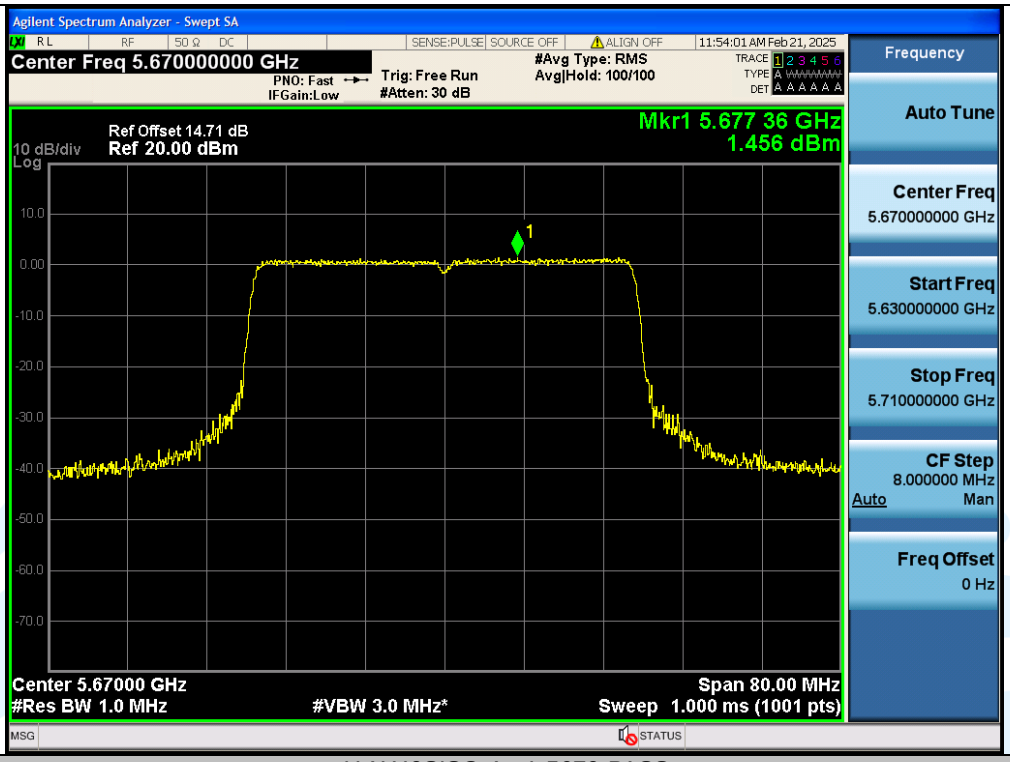
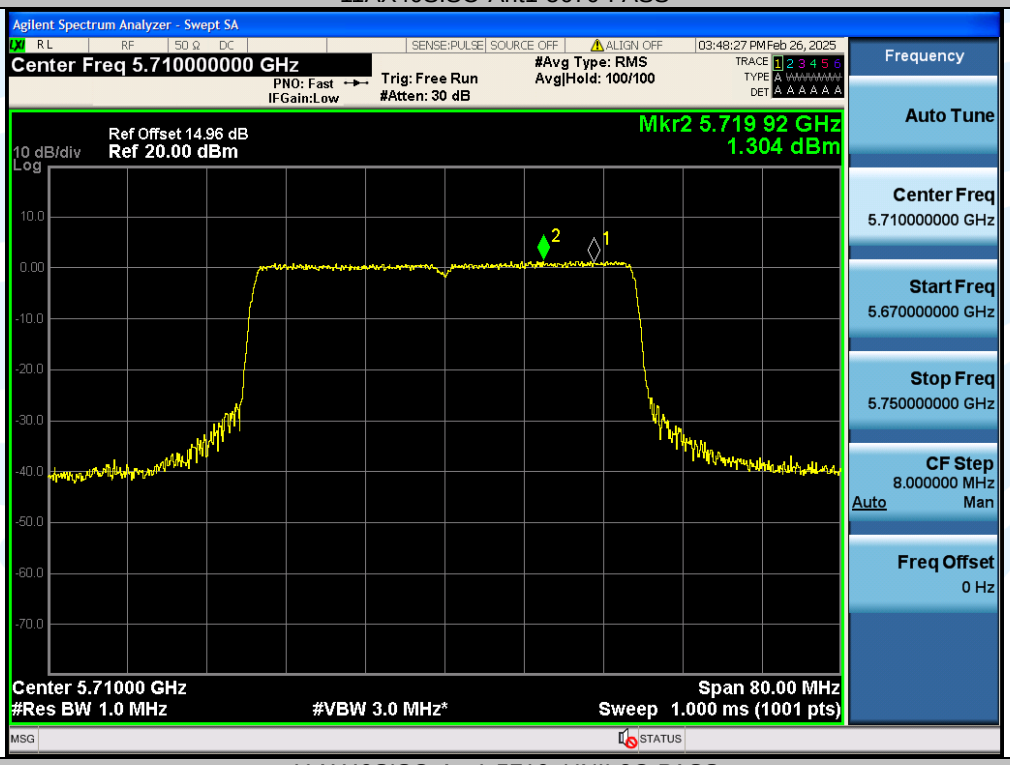
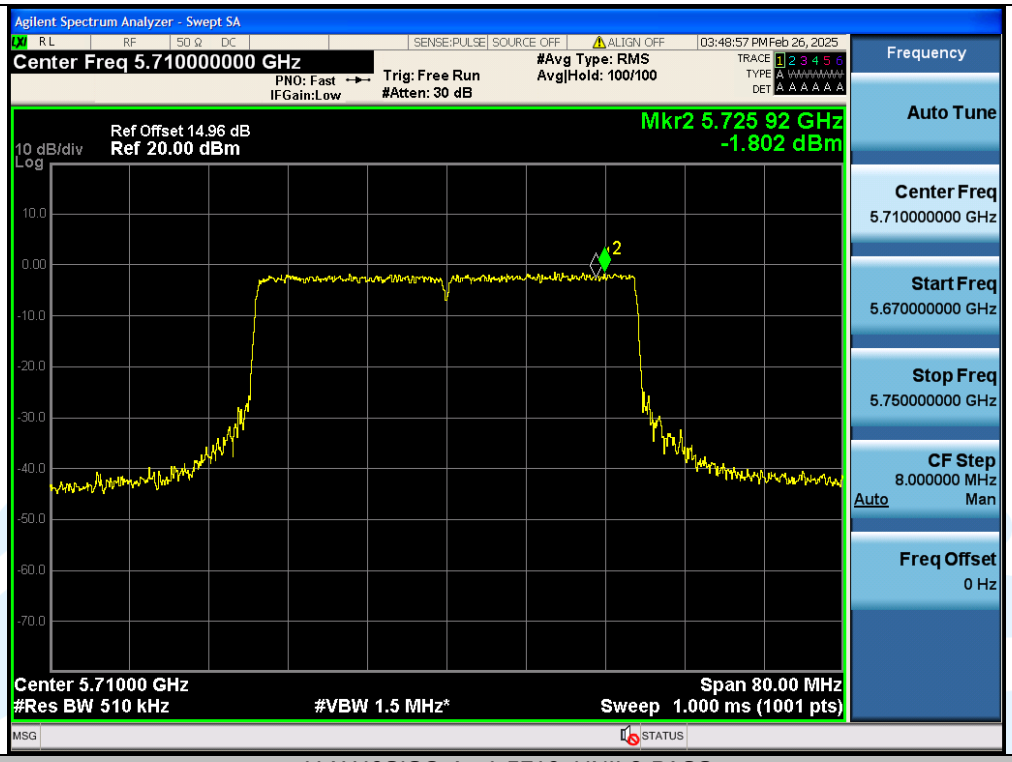


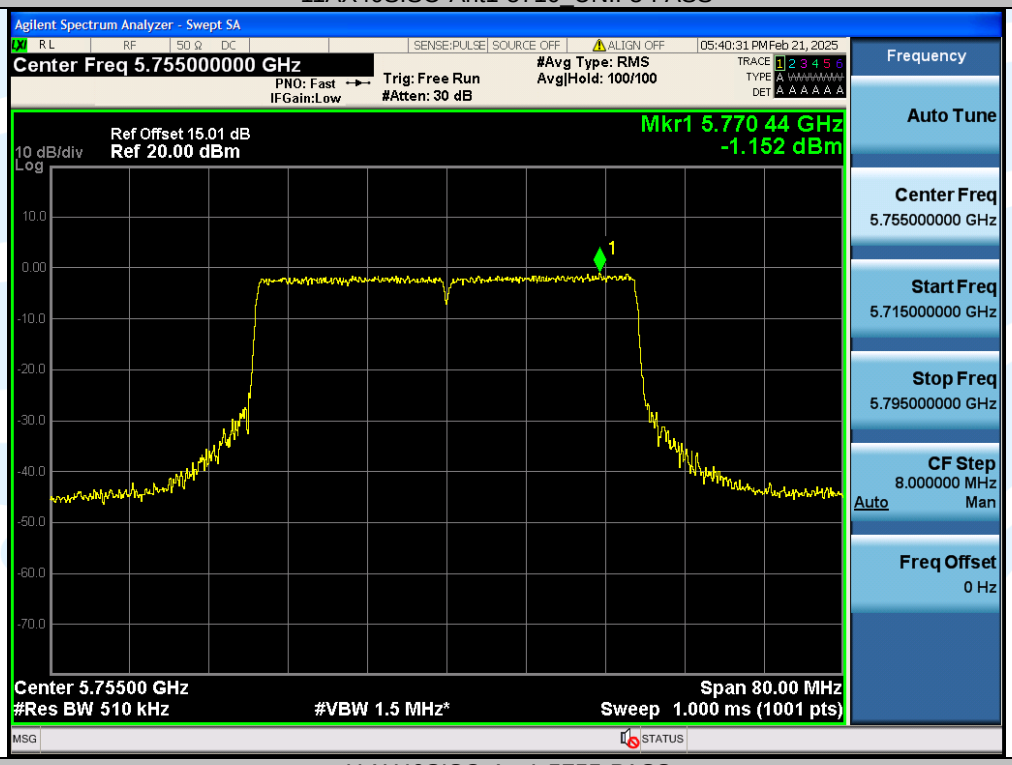
11AX40SISO-Ant1-5670-PASS



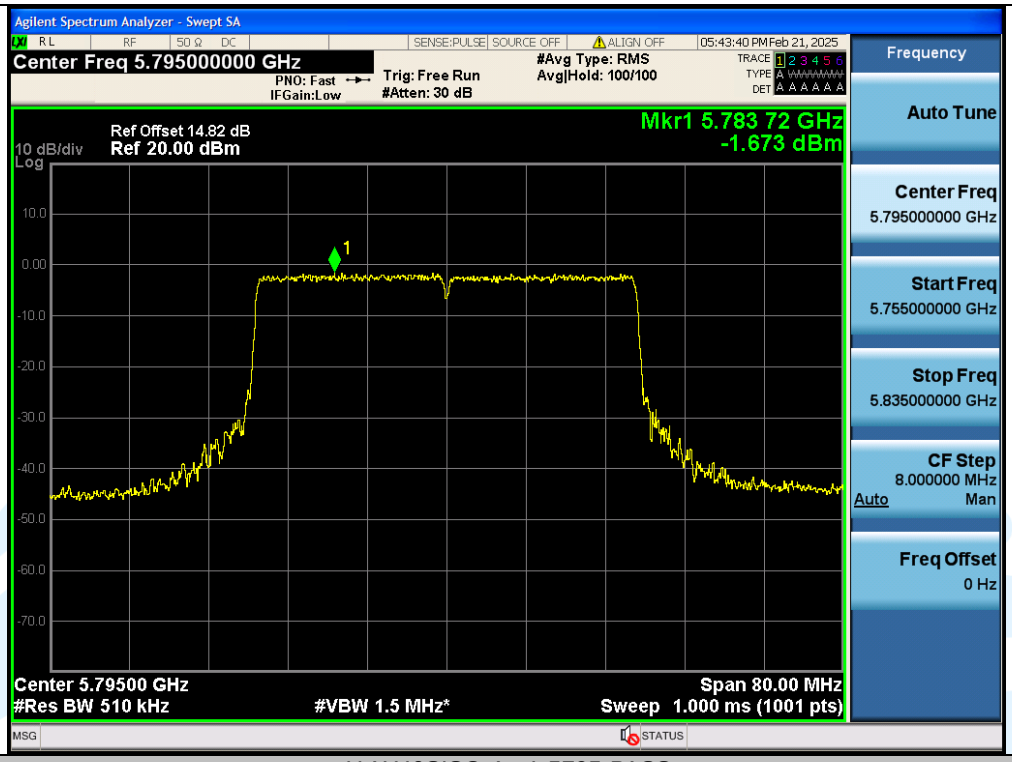
11AX40SISO-Ant1-5710_UNII-2C-PASS



11AX40SISO-Ant1-5710_UNII-3-PASS



11AX40SISO-Ant1-5755-PASS



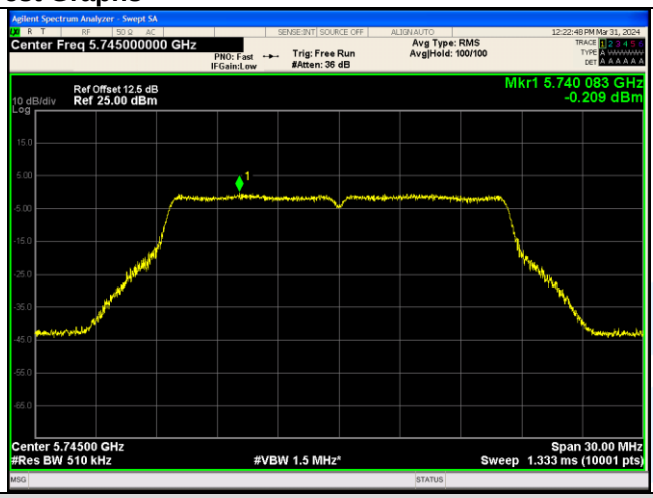
11AX40SISO-Ant1-5795-PASS

For U-NII-3 band

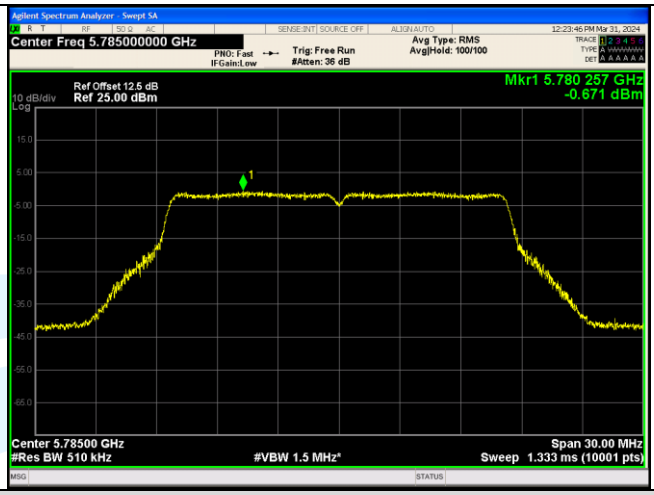
Mode	Channel	RU & Index	Ant. 0 Meas PSD (dBm/MHz or dBm/0.5MHz)	Ant. 0 Corr'd PSD (dBm/MHz or dBm/0.5MHz)	Limit (dBm/MHz or dBm/0.5MHz)	Result
IEEE 802.11a	149	N/A	-0.209	-0.089	30	PASS
	157		-0.671	-0.551		PASS
	165		-1.248	-1.128		PASS
IEEE 802.11n_20	149		-0.420	-0.300		PASS
	157		-0.877	-0.757		PASS
	165		-1.114	-0.994		PASS
IEEE 802.11n_40	151		-3.682	-3.472		PASS
	159		-4.040	-3.830		PASS
IEEE 802.11ac_20	149		-0.704	-0.584		PASS
	157		-0.859	-0.739		PASS
	165		-1.635	-1.515		PASS
IEEE 802.11ac_40	151		-3.575	-3.455		PASS
	159		-4.197	-4.077		PASS
IEEE 802.11ax_20	149	SU	-0.678	-0.538		PASS
	157		-1.015	-0.875		PASS
	165		-1.124	-0.984		PASS
IEEE 802.11ax_40	151		-3.707	-3.567		PASS
	159		-4.321	-4.181		PASS

Mode	Channel	RU & Index	Ant. 0 Meas PSD (dBm/MHz or dBm/0.5MHz)	Ant. 0 Corr'd PSD (dBm/MHz or dBm/0.5MHz)	Limit (dBm/MHz or dBm/0.5MHz)	Result
IEEE 802.11a	144	N/A	-0.930	-0.810	30	PASS
IEEE 802.11n_20	144		-0.698	-0.578		PASS
IEEE 802.11n_40	142		-4.057	-3.847		PASS
IEEE 802.11ac_20	144		-0.662	-0.542		PASS
IEEE 802.11ac_40	142		-3.955	-3.835		PASS
IEEE 802.11ax_20	144	SU	-1.044	-0.904		PASS
IEEE 802.11ax_40	142		-4.255	-4.115		PASS

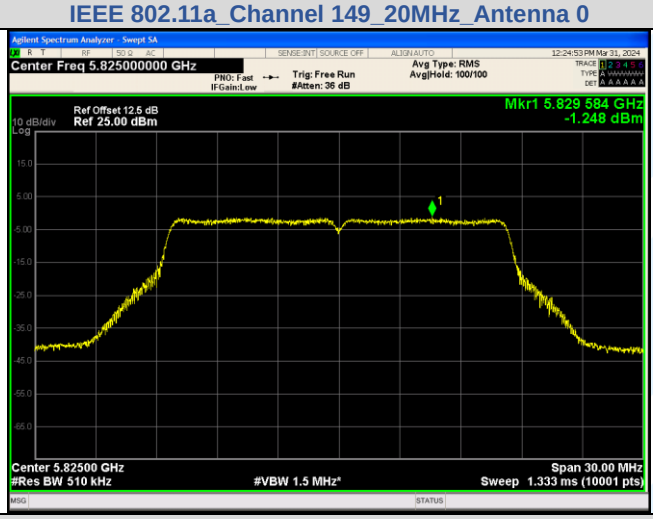
Test Graphs



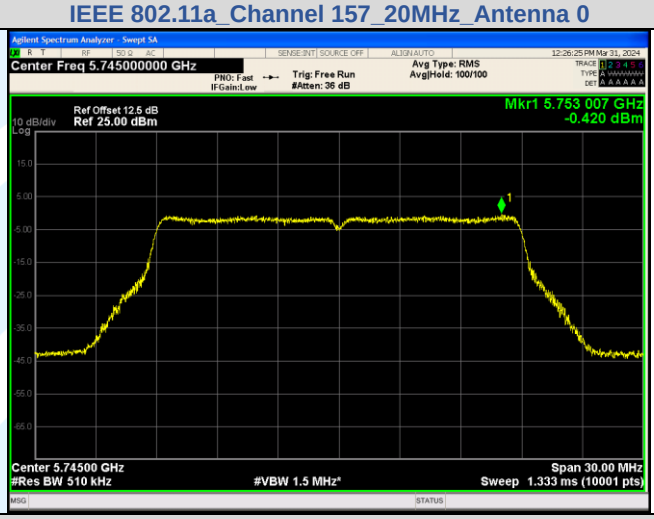
IEEE 802.11a_Channel 149_20MHz_Antenna 0



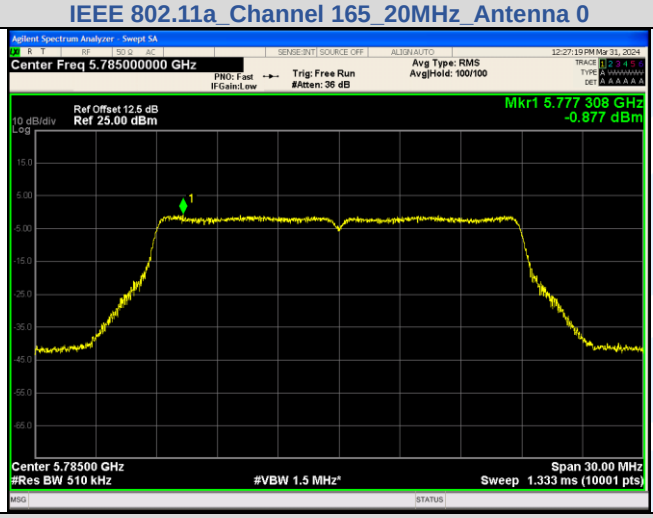
IEEE 802.11a_Channel 157_20MHz_Antenna 0



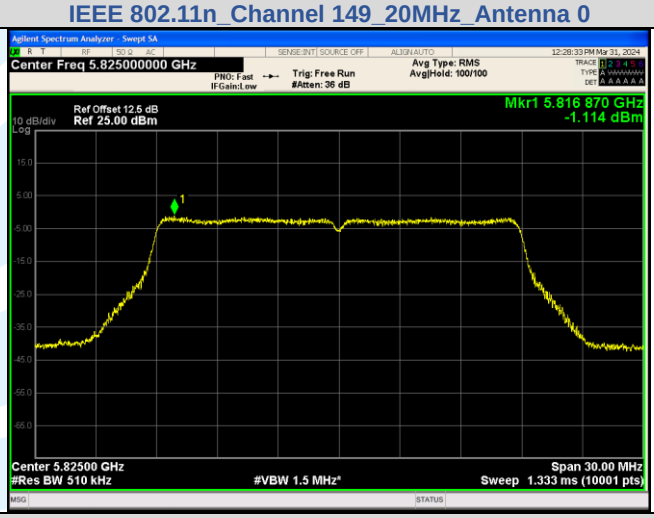
IEEE 802.11a_Channel 165_20MHz_Antenna 0



IEEE 802.11n_Channel 149_20MHz_Antenna 0



IEEE 802.11n_Channel 157_20MHz_Antenna 0



IEEE 802.11n_Channel 165_20MHz_Antenna 0