

Case No. : <u>GTS20241129021-1-05</u>	
Ambient Condition: <u>22</u> °C, <u>51</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2025.2.7</u>	Test Engineer: <u>Evan ouyang</u>

Appendix G.1: Min emission bandwidth

Test Result B4

TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant0	5745	16.320	5736.840	5753.160	0.5	PASS
		5785	16.320	5776.840	5793.160	0.5	PASS
		5825	16.320	5816.840	5833.160	0.5	PASS
11N20SISO	Ant0	5745	17.600	5736.200	5753.800	0.5	PASS
		5785	17.600	5776.200	5793.800	0.5	PASS
		5825	17.600	5816.200	5833.800	0.5	PASS
11N40SISO	Ant0	5755	36.320	5736.840	5773.160	0.5	PASS
		5795	36.320	5776.840	5813.160	0.5	PASS
11AC20SISO	Ant0	5745	18.840	5735.600	5754.440	0.5	PASS
		5785	18.800	5775.640	5794.440	0.5	PASS
		5825	19.000	5815.520	5834.520	0.5	PASS
11AC40SISO	Ant0	5755	36.320	5736.840	5773.160	0.5	PASS
		5795	36.320	5776.840	5813.160	0.5	PASS
11AC80SISO	Ant0	5775	71.360	5739.960	5811.320	0.5	PASS
11AX20SISO	Ant0	5745	18.840	5735.600	5754.440	0.5	PASS
		5785	18.760	5775.640	5794.400	0.5	PASS
		5825	18.880	5815.600	5834.480	0.5	PASS
11AX40SISO	Ant0	5755	37.840	5736.120	5773.960	0.5	PASS
		5795	37.920	5776.120	5814.040	0.5	PASS
11AX80SISO	Ant0	5775	75.040	5737.560	5812.600	0.5	PASS

Test Graphs B4

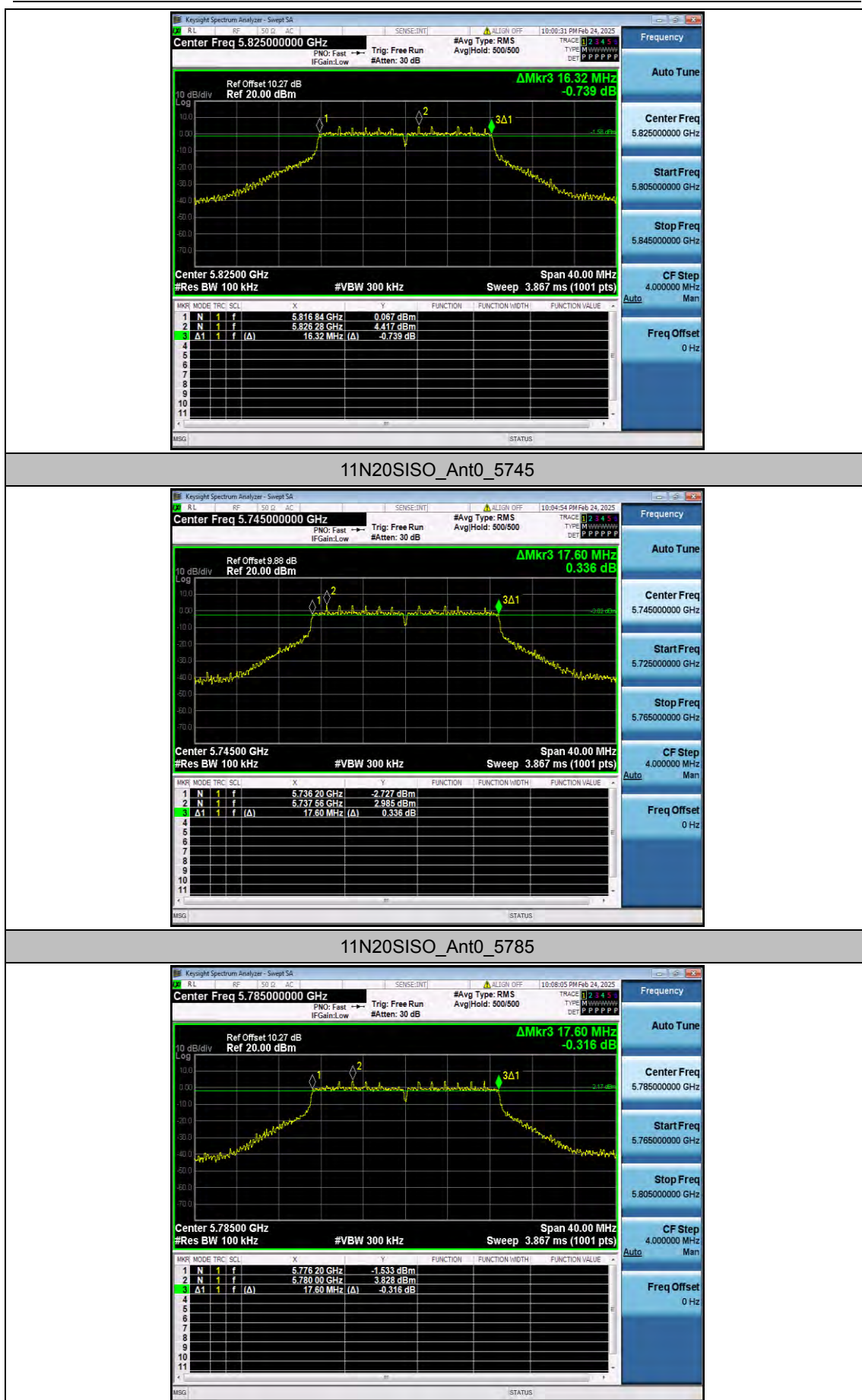
11A_Ant0_5745



11A_Ant0_5785



11A_Ant0_5825



11N20SISO_Ant0_5825



11N40SISO_Ant0_5755



11N40SISO_Ant0_5795



11AC20SISO_Ant0_5825



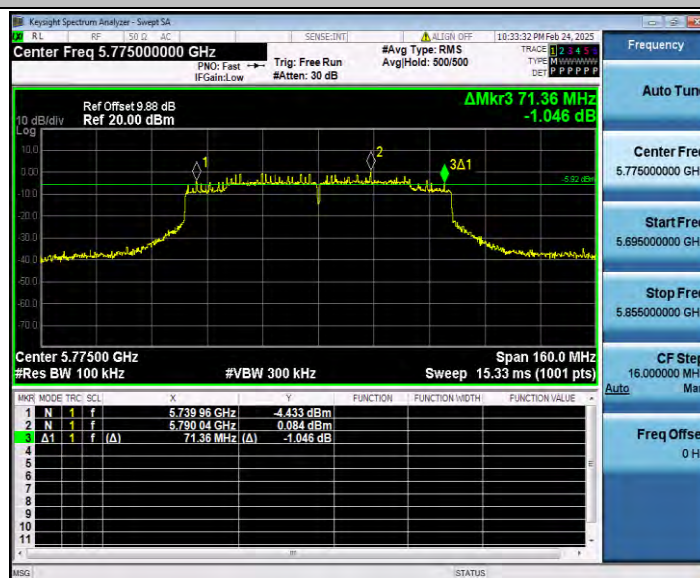
11AC40SISO_Ant0_5755



11AC40SISO_Ant0_5795

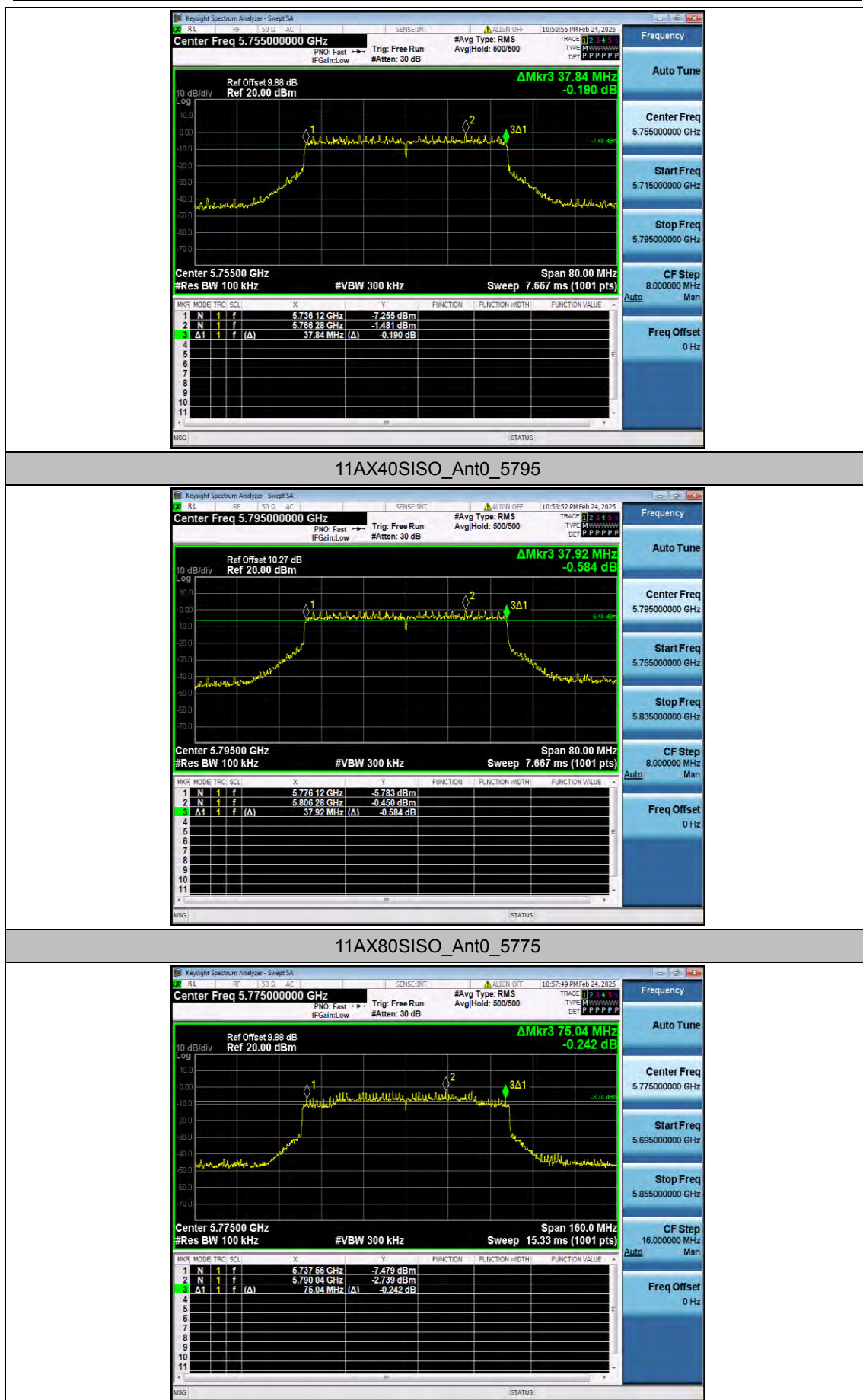


11AC80SISO_Ant0_5775



11AX20SISO_Ant0_5745





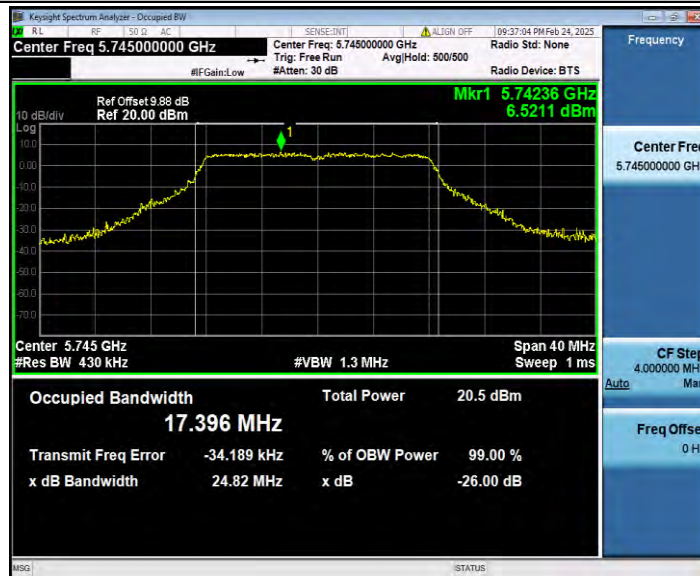
Appendix G.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant0	5745	17.396	5736.2678	5753.6638	---	---
		5785	17.426	5776.2713	5793.6973	---	---
		5825	17.441	5816.2442	5833.6852	---	---
11N20SISO	Ant0	5745	18.417	5735.7574	5754.1744	---	---
		5785	18.389	5775.8114	5794.2004	---	---
		5825	18.473	5815.7352	5834.2082	---	---
11N40SISO	Ant0	5755	36.900	5736.6438	5773.5438	---	---
		5795	36.922	5776.6147	5813.5367	---	---
11AC20SISO	Ant0	5745	19.219	5735.3761	5754.5951	---	---
		5785	19.228	5775.4220	5794.6500	---	---
		5825	19.247	5815.3697	5834.6167	---	---
11AC40SISO	Ant0	5755	36.959	5736.5841	5773.5431	---	---
		5795	36.924	5776.6303	5813.5543	---	---
11AC80SISO	Ant0	5775	75.322	5737.4010	5812.7230	---	---
11AX20SISO	Ant0	5745	19.212	5735.3664	5754.5784	---	---
		5785	19.278	5775.3476	5794.6256	---	---
		5825	19.288	5815.3628	5834.6508	---	---
11AX40SISO	Ant0	5755	38.100	5736.0187	5774.1187	---	---
		5795	38.034	5776.0636	5814.0976	---	---
11AX80SISO	Ant0	5775	76.805	5736.7282	5813.5332	---	---

Test Graphs

11A_Ant0_5745



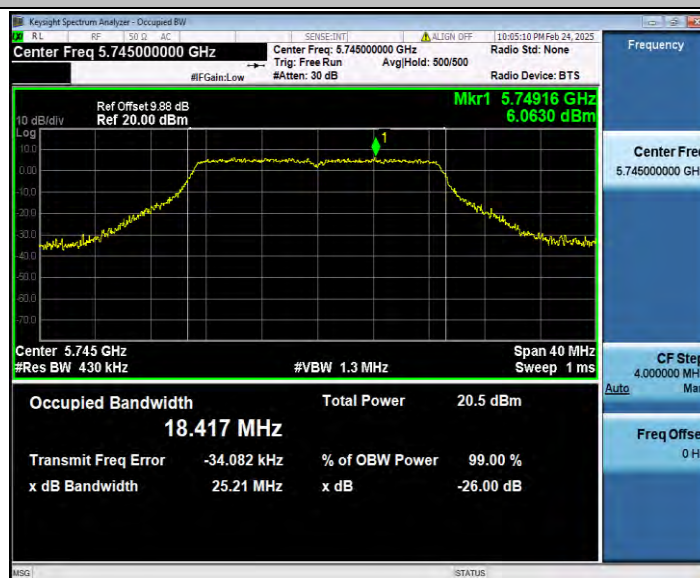
11A_Ant0_5785



11A_Ant0_5825



11N20SISO_Ant0_5745



11N20SISO_Ant0_5785



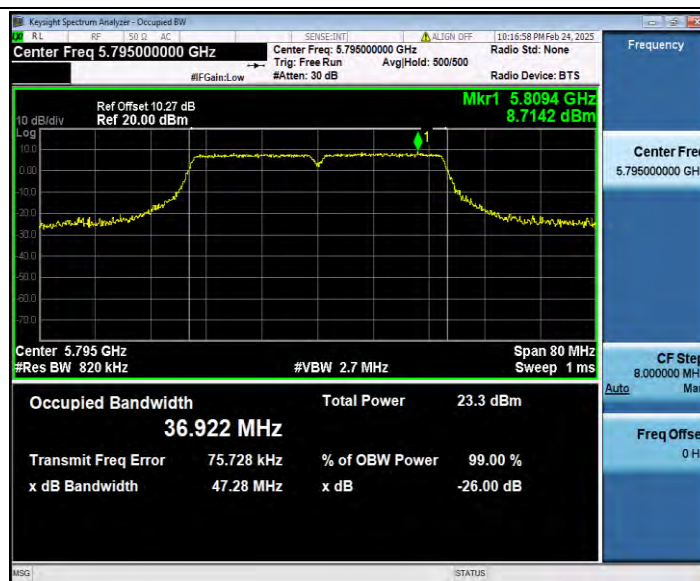
11N20SISO_Ant0_5825



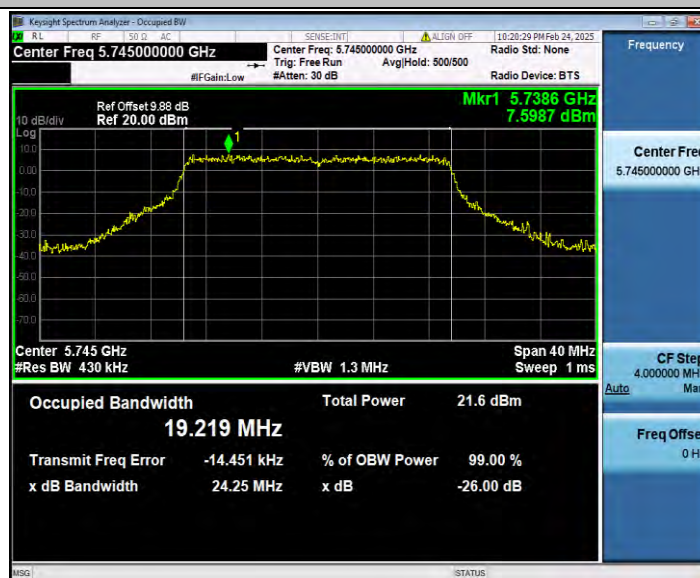
11N40SISO_Ant0_5755



11N40SISO_Ant0_5795



11AC20SISO_Ant0_5745



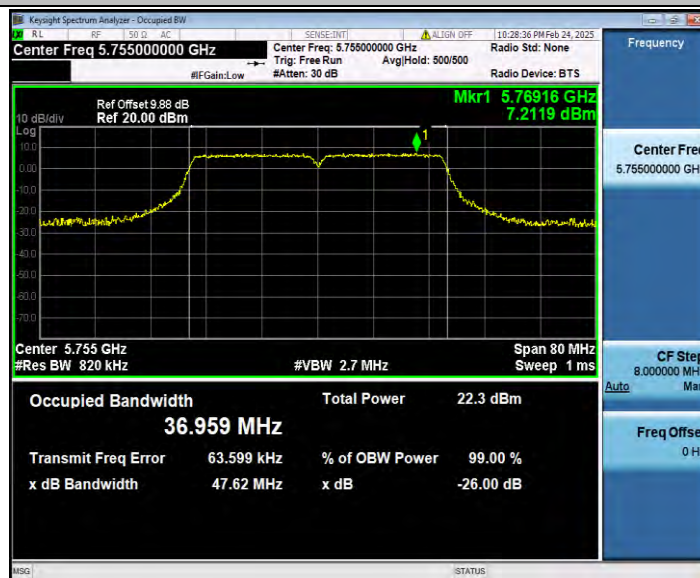
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11AC20SISO_Ant0_5825



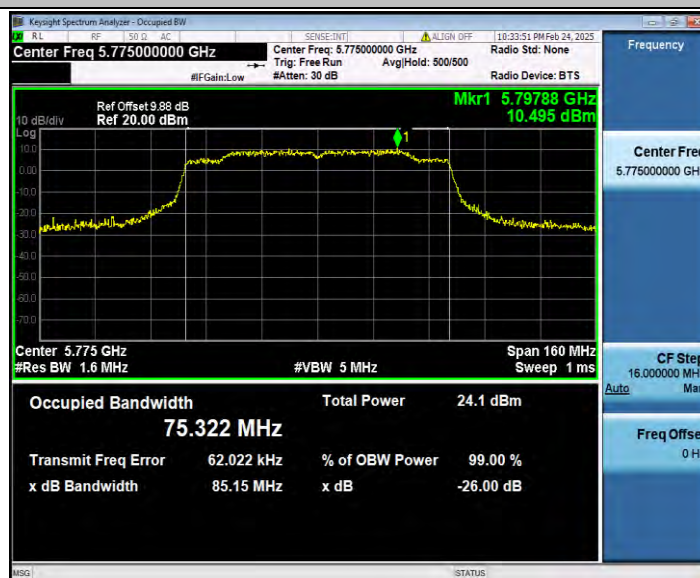
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11AC40SISO_Ant0_5795



11AC80SISO_Ant0_5775



11AX20SISO_Ant0_5745



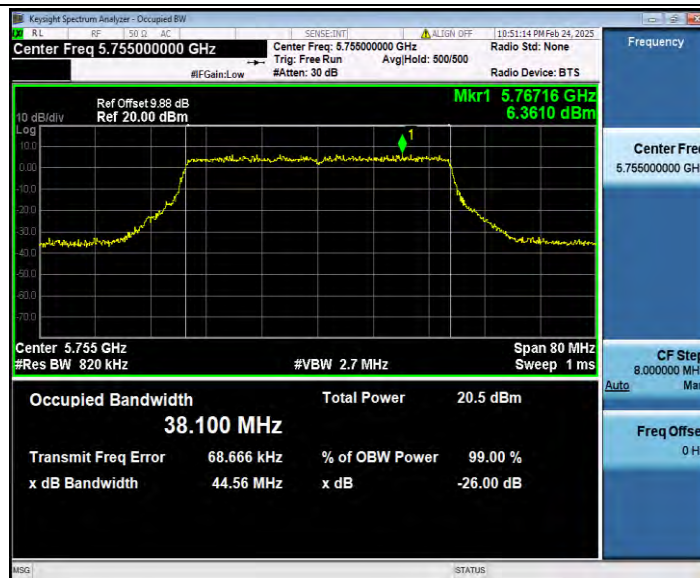
11AX20SISO_Ant0_5785



11AX20SISO_Ant0_5825



11AX40SISO_Ant0_5755



11AX40SISO_Ant0_5795



11AX80SISO_Ant0_5775



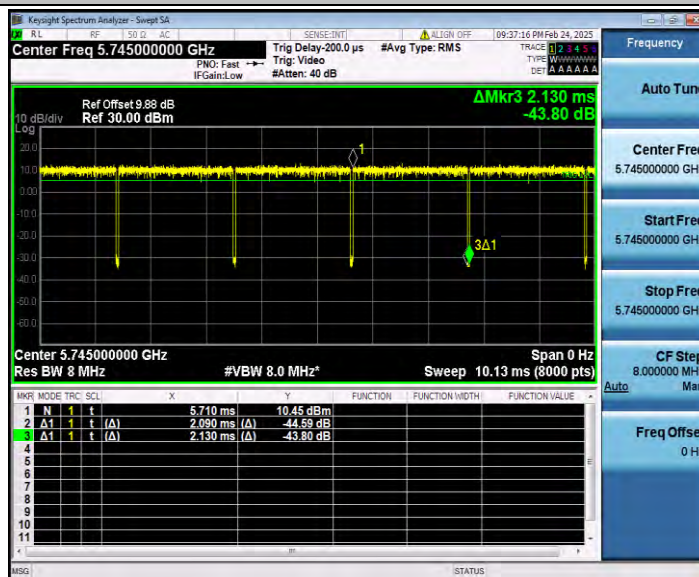
Appendix G.3: Duty Cycle

Test Result

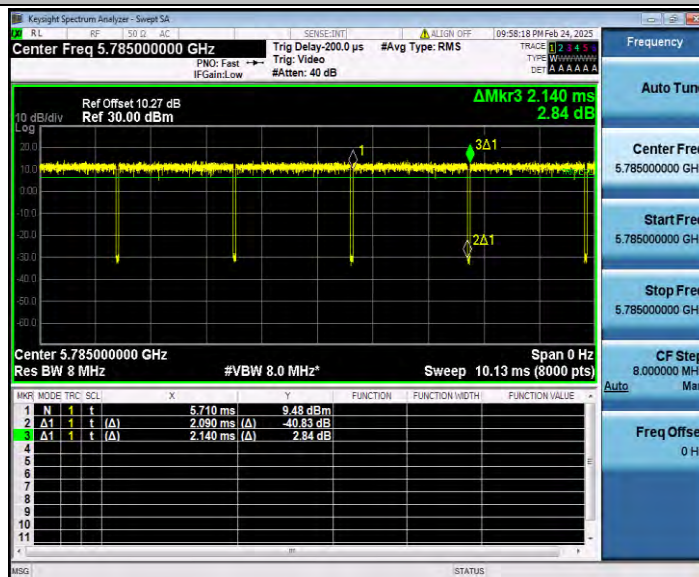
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant0	5745	2.09	2.13	98.12	0.08	0.48
		5785	2.09	2.14	97.66	0.10	0.48
		5825	2.09	2.14	97.66	0.10	0.48
11N20SISO	Ant0	5745	4.02	4.06	99.01	0.04	0.25
		5785	4.02	4.07	98.77	0.05	0.25
		5825	4.02	4.06	99.01	0.04	0.25
11N40SISO	Ant0	5755	3.99	4.04	98.76	0.05	0.25
		5795	3.99	4.04	98.76	0.05	0.25
11AC20SISO	Ant0	5745	4.00	4.05	98.77	0.05	0.25
		5785	4.00	4.04	99.01	0.04	0.25
		5825	4.00	4.05	98.77	0.05	0.25
11AC40SISO	Ant0	5755	3.98	4.02	99.00	0.04	0.25
		5795	3.98	4.02	99.00	0.04	0.25
11AC80SISO	Ant0	5775	3.98	4.03	98.76	0.05	0.25
11AX20SISO	Ant0	5745	4.00	4.05	98.77	0.05	0.25
		5785	4.01	4.05	99.01	0.04	0.25
		5825	0.27	0.32	84.38	0.74	3.70
11AX40SISO	Ant0	5755	0.20	0.24	83.33	0.79	5.00
		5795	0.19	0.24	79.17	1.01	5.26
11AX80SISO	Ant0	5775	0.19	0.24	79.17	1.01	5.26

Test Graphs

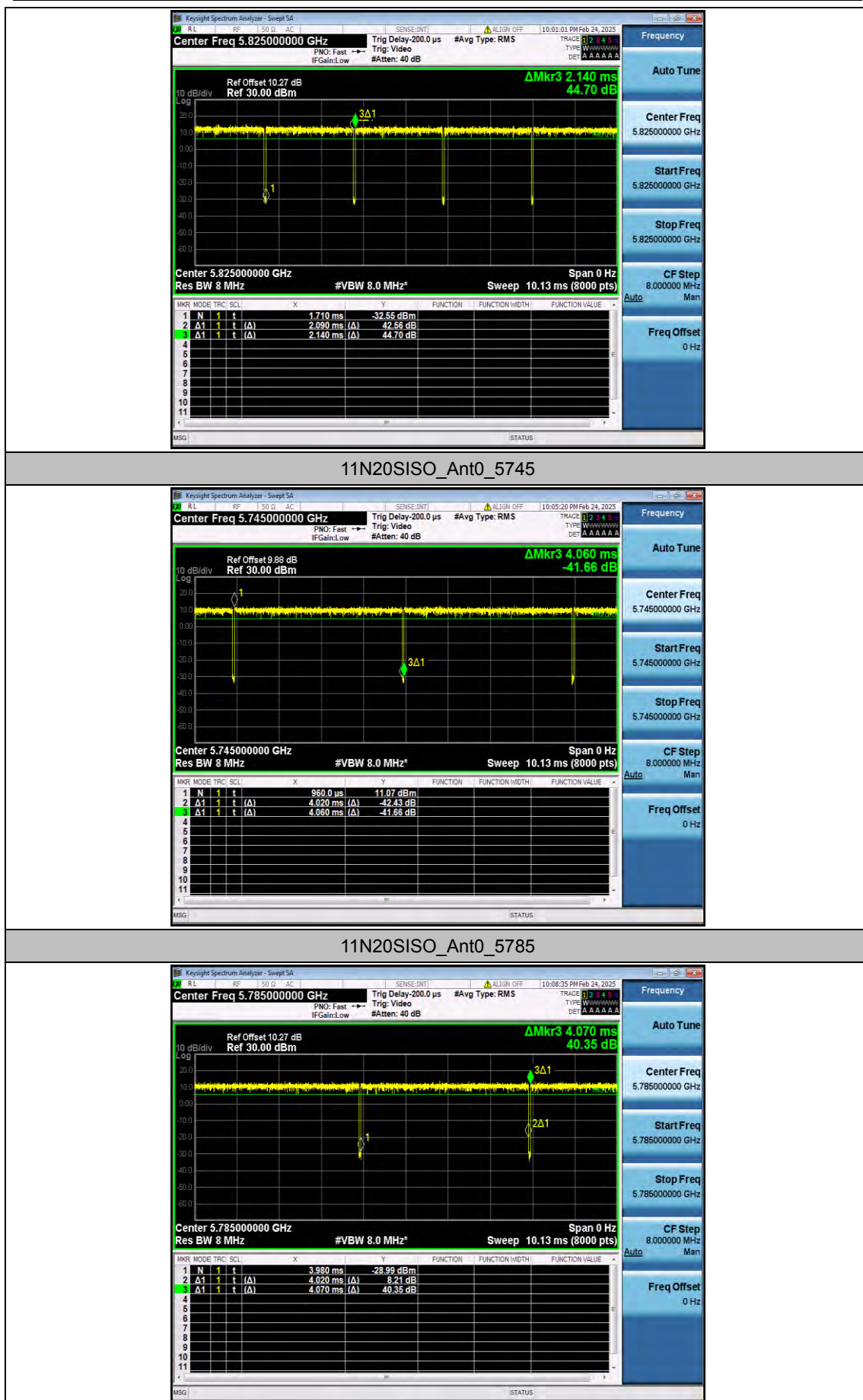
11A_Ant0_5745



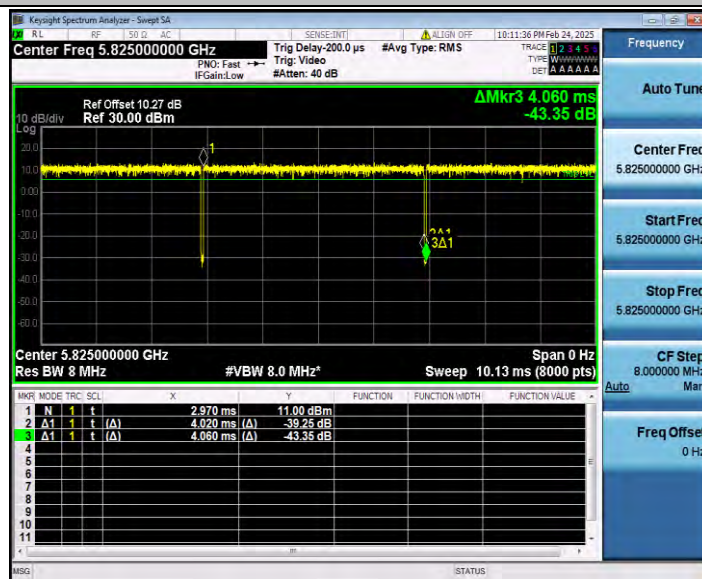
11A_Ant0_5785



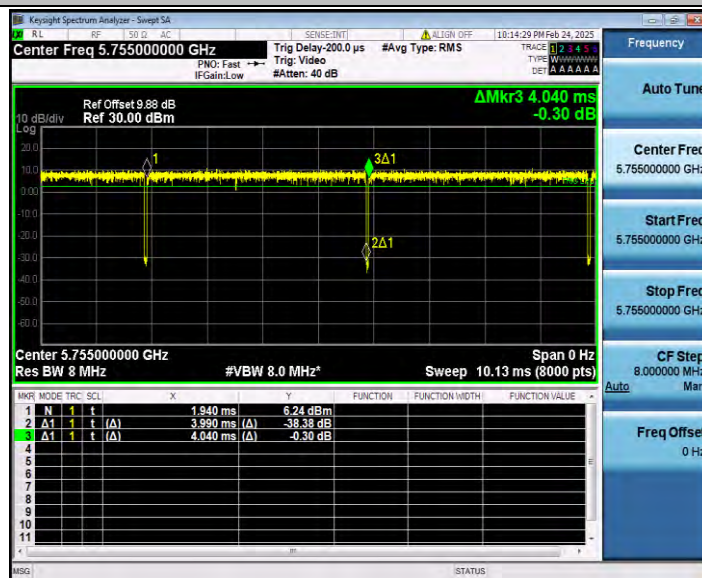
11A_Ant0_5825



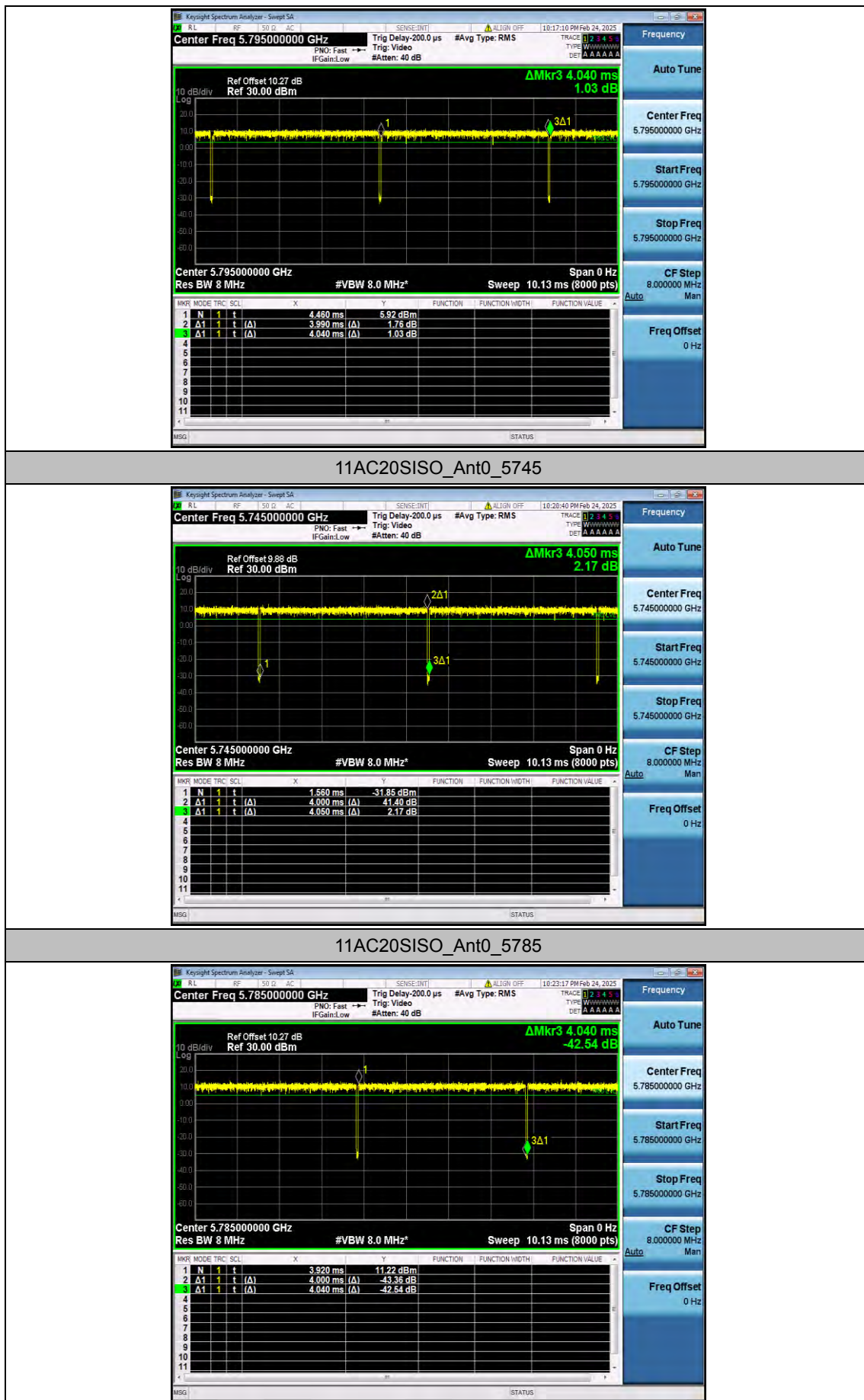
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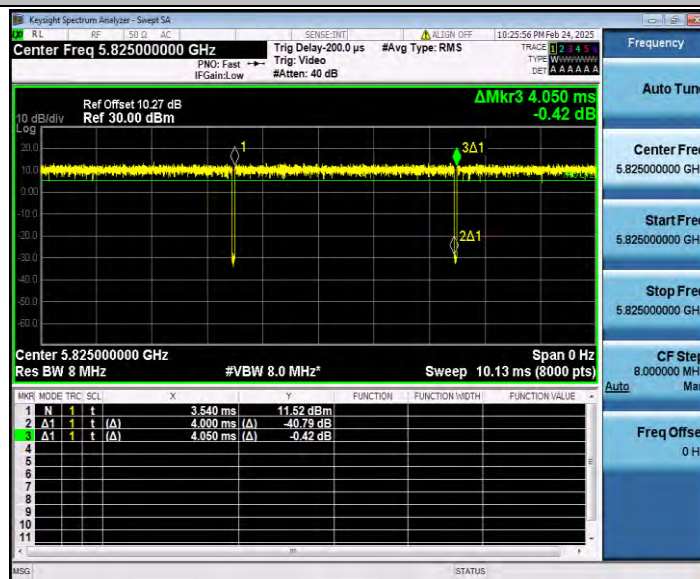
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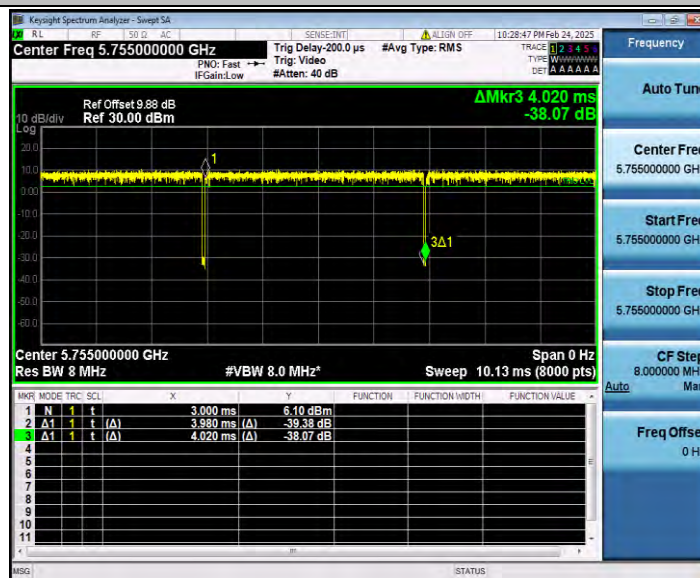
11N40SISO_Ant0_5795



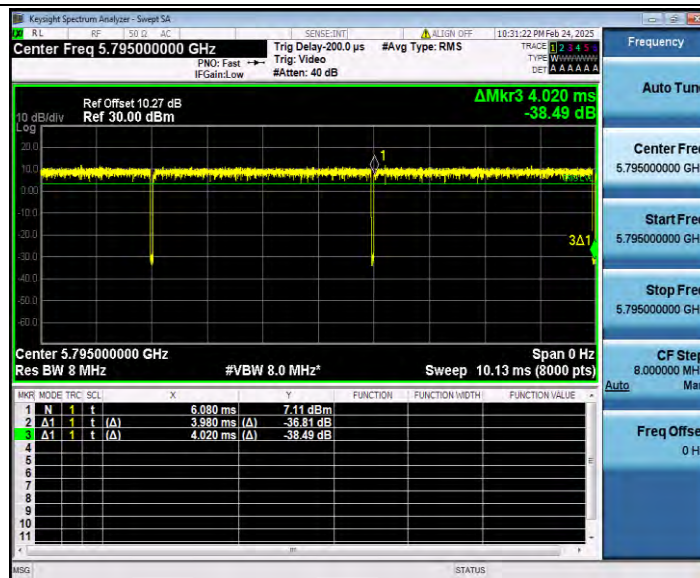
11AC20SISO_Ant0_5825



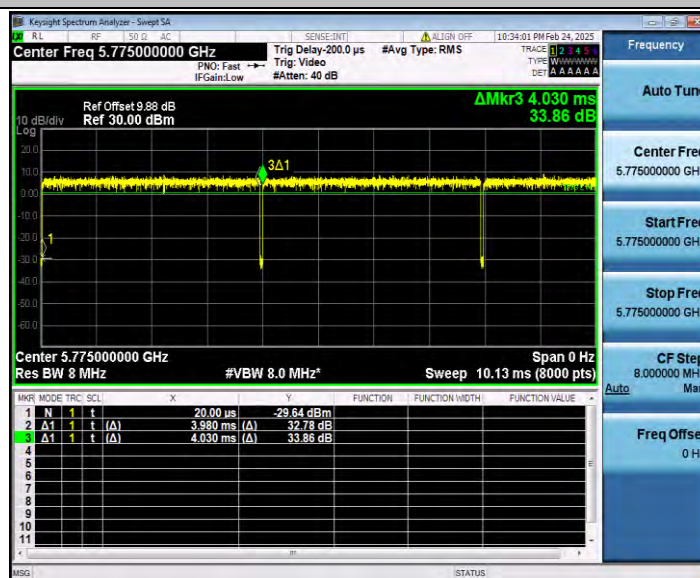
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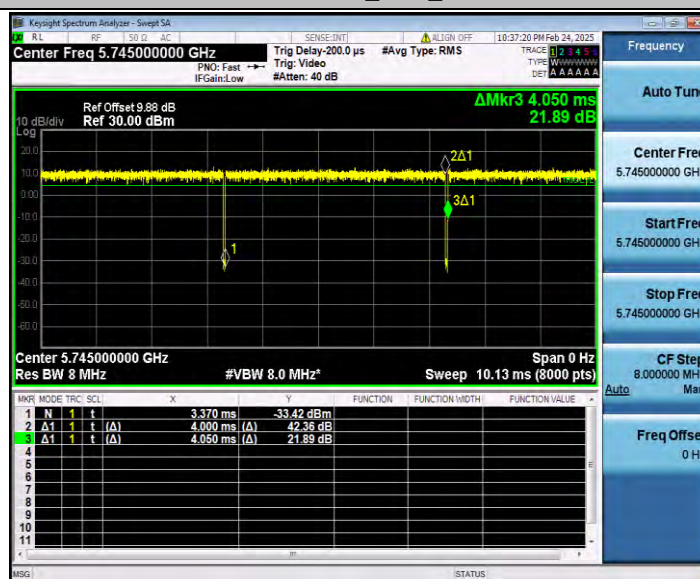
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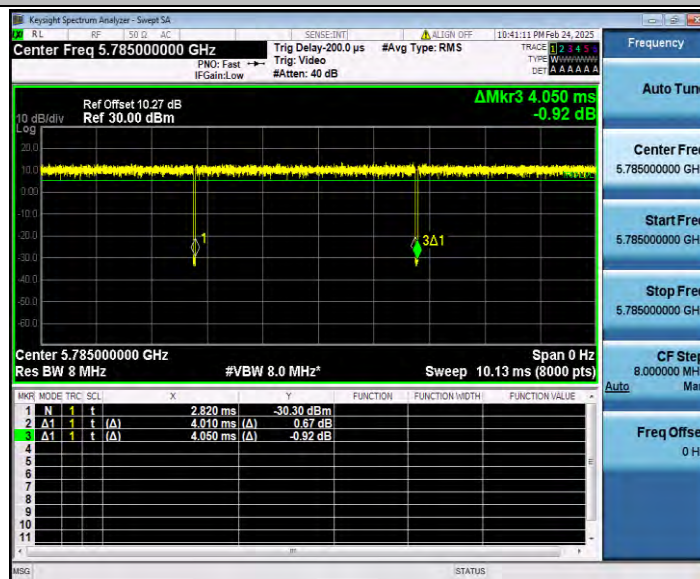
11AC80SISO_Ant0_5775



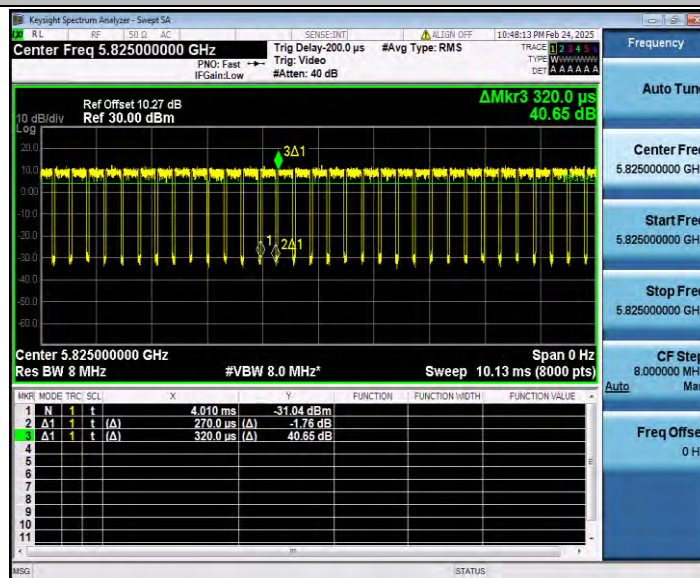
11AX20SISO_Ant0_5745



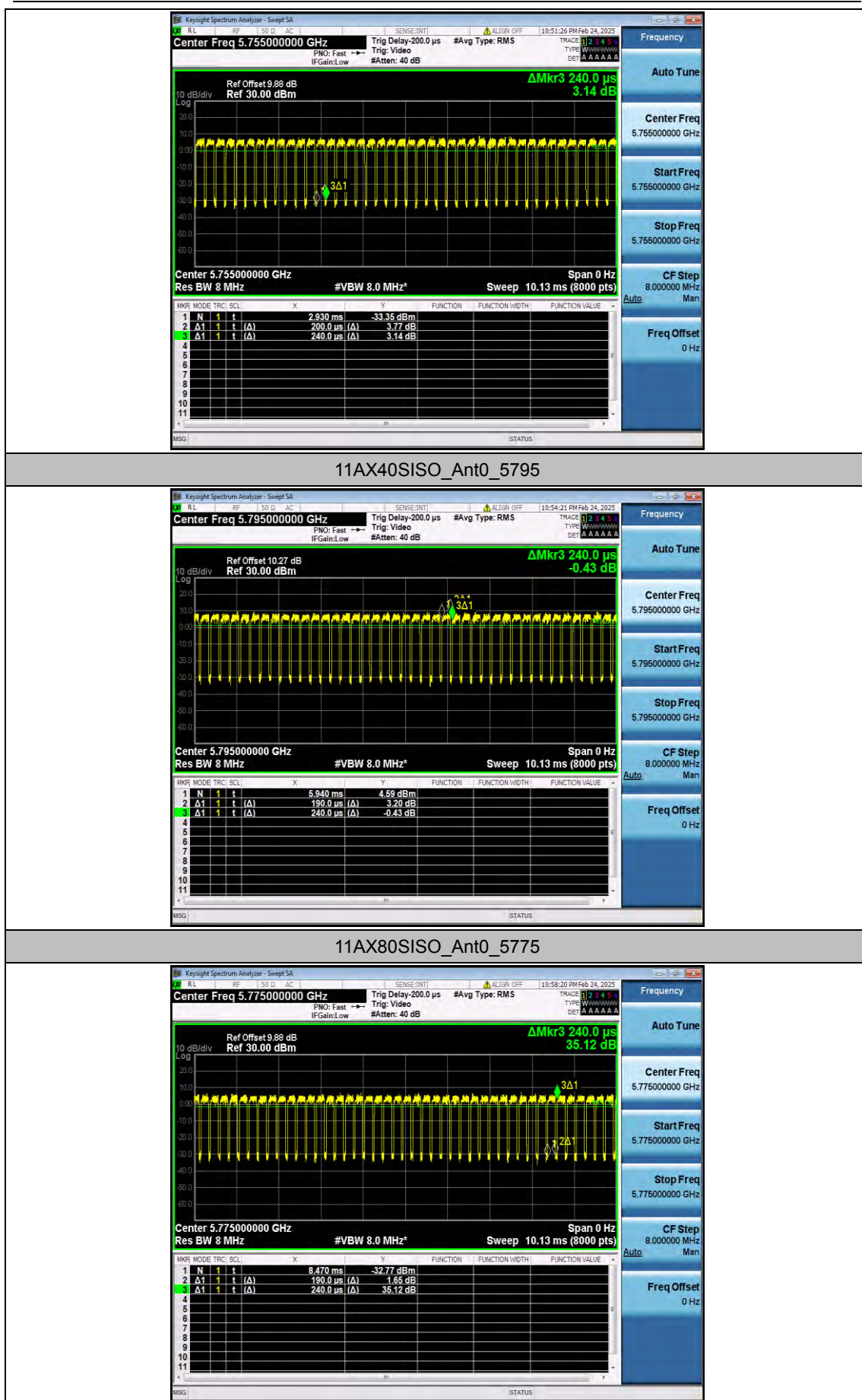
11AX20SISO_Ant0_5785



11AX20SISO_Ant0_5825



11AX40SISO_Ant0_5755



Appendix G.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Freq(MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant0	5745	13.55	98.12	0.08	13.63	≤30.00	PASS
		5785	14.77	97.66	0.10	14.87	≤30.00	PASS
		5825	14.84	97.66	0.10	14.94	≤30.00	PASS
11N20SISO	Ant0	5745	13.61	99.01	0.04	13.65	≤30.00	PASS
		5785	14.36	98.77	0.05	14.41	≤30.00	PASS
		5825	14.52	99.01	0.04	14.56	≤30.00	PASS
11N40SISO	Ant0	5755	14.62	98.76	0.05	14.67	≤30.00	PASS
		5795	15.67	98.76	0.05	15.72	≤30.00	PASS
11AC20SISO	Ant0	5745	13.29	98.77	0.05	13.34	≤30.00	PASS
		5785	14.27	99.01	0.04	14.31	≤30.00	PASS
		5825	14.29	98.77	0.05	14.34	≤30.00	PASS
11AC40SISO	Ant0	5755	14.60	99.00	0.04	14.64	≤30.00	PASS
		5795	15.64	99.00	0.04	15.68	≤30.00	PASS
11AC80SISO	Ant0	5775	15.14	98.76	0.05	15.19	≤30.00	PASS
11AX20SISO	Ant0	5745	13.27	98.77	0.05	13.32	≤30.00	PASS
		5785	14.33	99.01	0.04	14.37	≤30.00	PASS
		5825	12.57	84.38	0.74	13.31	≤30.00	PASS
11AX40SISO	Ant0	5755	11.17	83.33	0.79	11.96	≤30.00	PASS
		5795	12.18	79.17	1.01	13.19	≤30.00	PASS
11AX80SISO	Ant0	5775	11.69	79.17	1.01	12.70	≤30.00	PASS

Appendix G.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant0	5745	-1.03	≤30.00	PASS
		5785	0.29	≤30.00	PASS
		5825	0.25	≤30.00	PASS
11N20SISO	Ant0	5745	-1.45	≤30.00	PASS
		5785	-0.44	≤30.00	PASS
		5825	-0.39	≤30.00	PASS
11N40SISO	Ant0	5755	-3.04	≤30.00	PASS
		5795	-2.00	≤30.00	PASS
11AC20SISO	Ant0	5745	-2.01	≤30.00	PASS
		5785	-0.87	≤30.00	PASS
		5825	-0.91	≤30.00	PASS
11AC40SISO	Ant0	5755	-3.02	≤30.00	PASS
		5795	-2.06	≤30.00	PASS
11AC80SISO	Ant0	5775	-5.07	≤30.00	PASS
11AX20SISO	Ant0	5745	-1.92	≤30.00	PASS
		5785	-1.05	≤30.00	PASS
		5825	-1.41	≤30.00	PASS
11AX40SISO	Ant0	5755	-5.23	≤30.00	PASS
		5795	-3.97	≤30.00	PASS
11AX80SISO	Ant0	5775	-6.67	≤30.00	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

11A_Ant0_5745



11A_Ant0_5785



11A_Ant0_5825



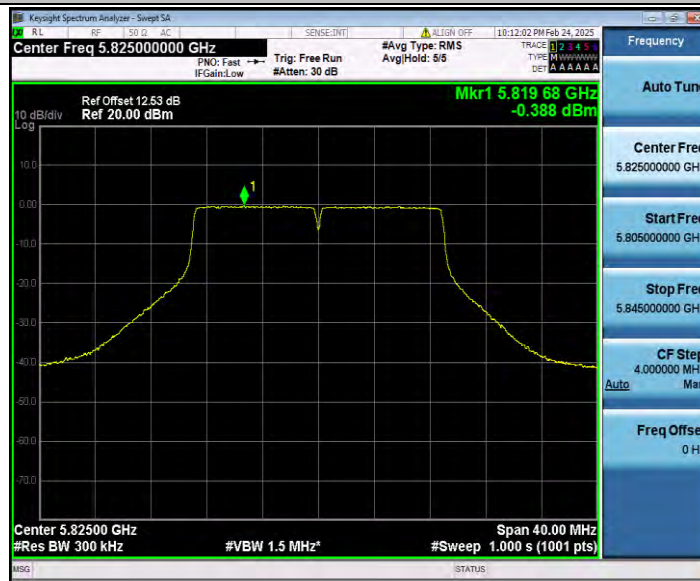
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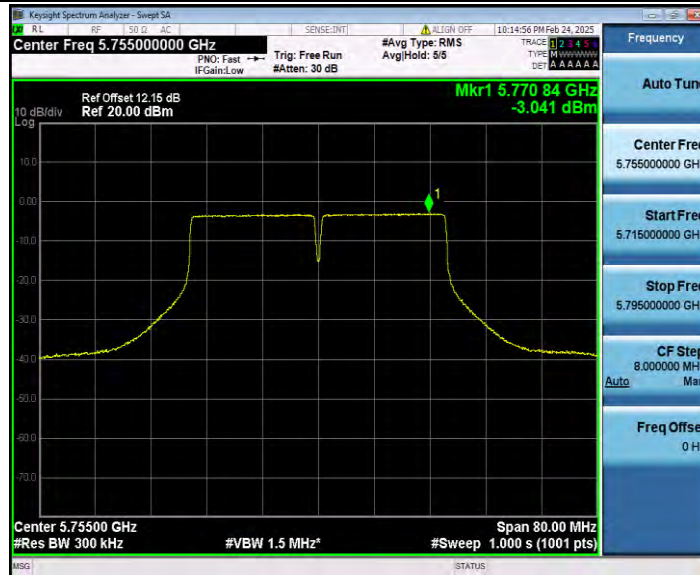
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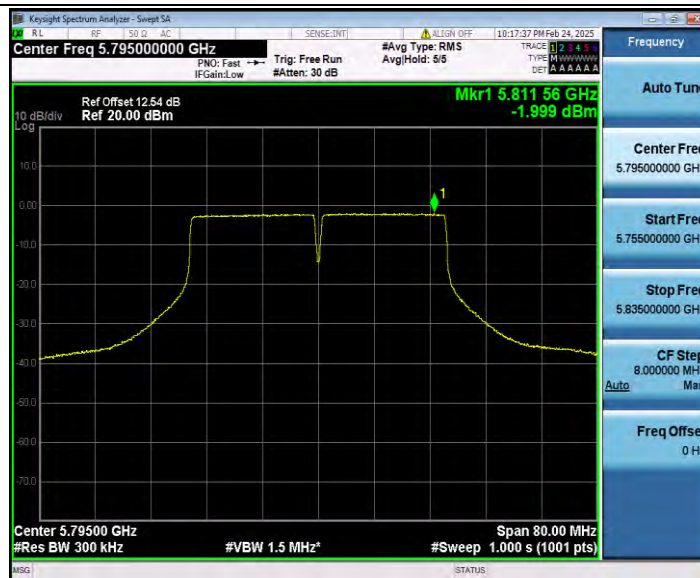
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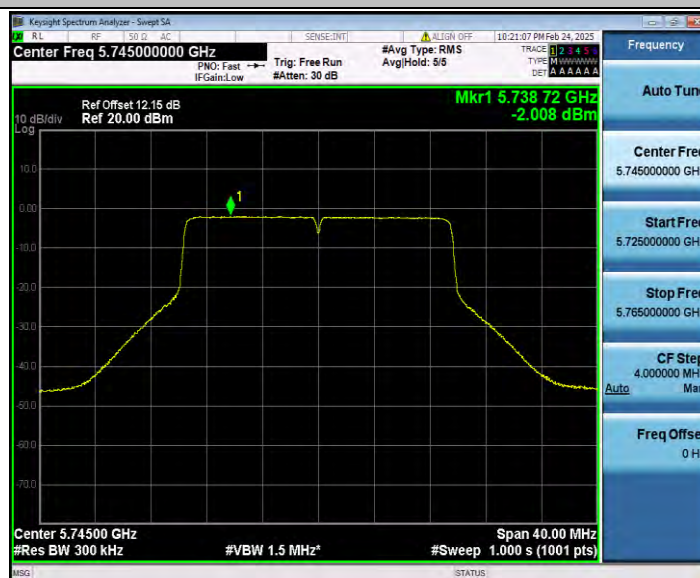
11N40SISO_Ant0_5755



11N40SISO_Ant0_5795



11AC20SISO_Ant0_5745



11AC20SISO_Ant0_5785



11AC20SISO_Ant0_5825



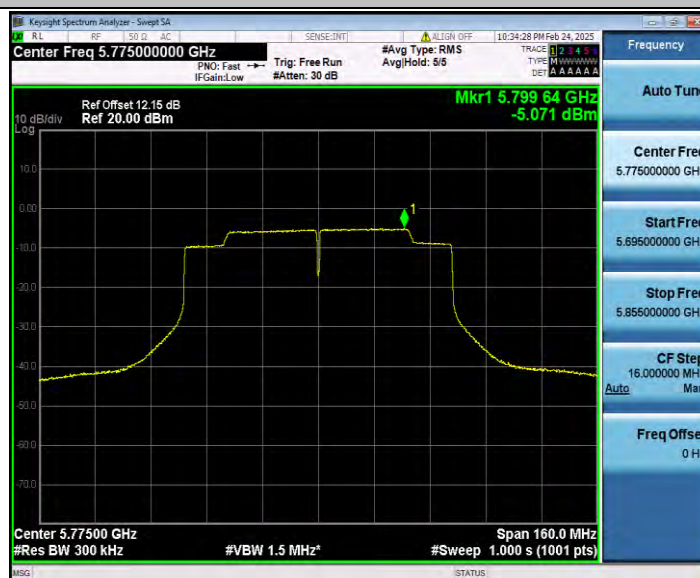
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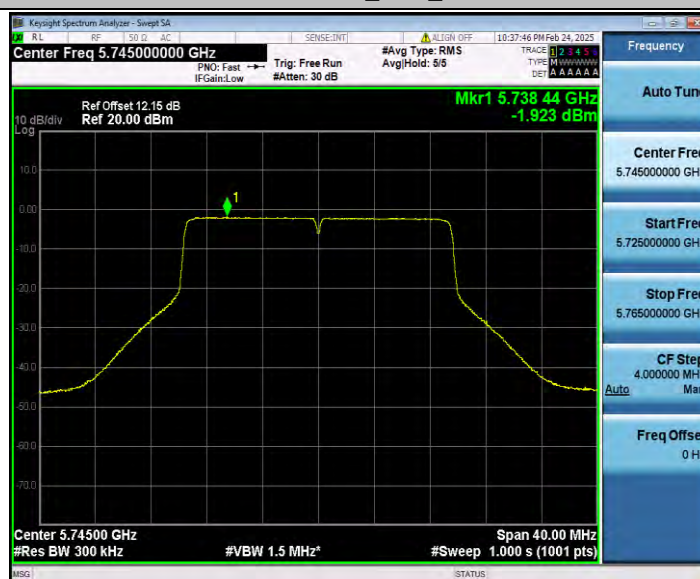
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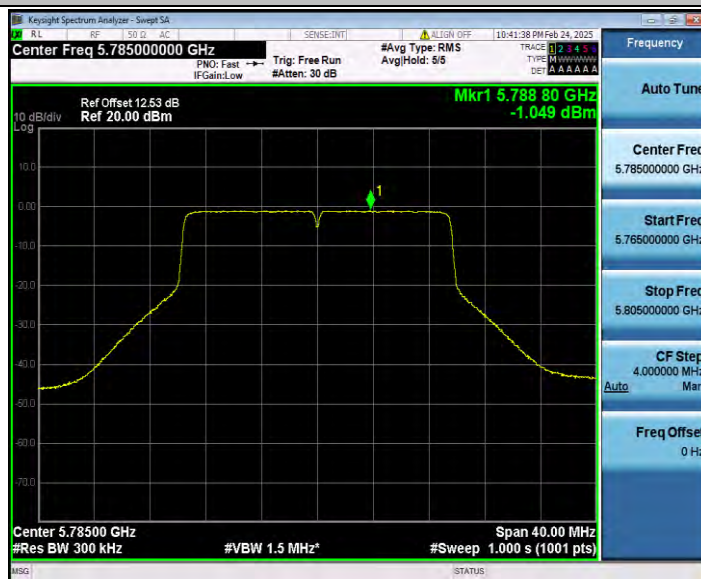
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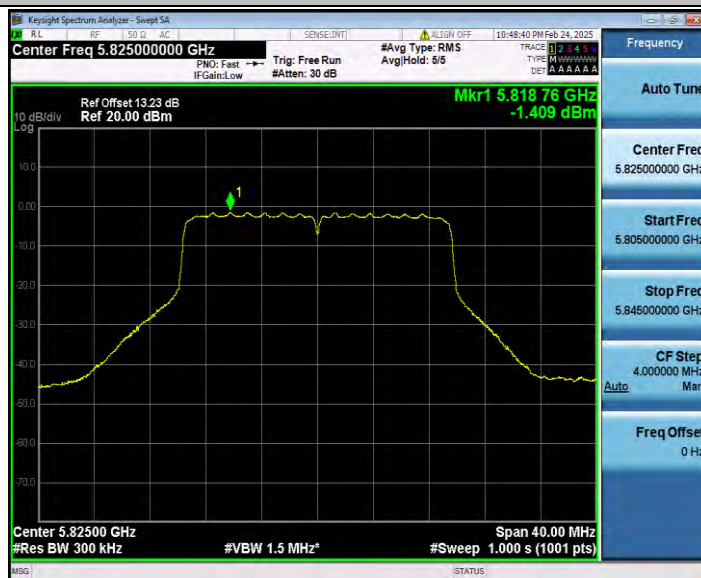
11AX20SISO_Ant0_5745



11AX20SISO_Ant0_5785



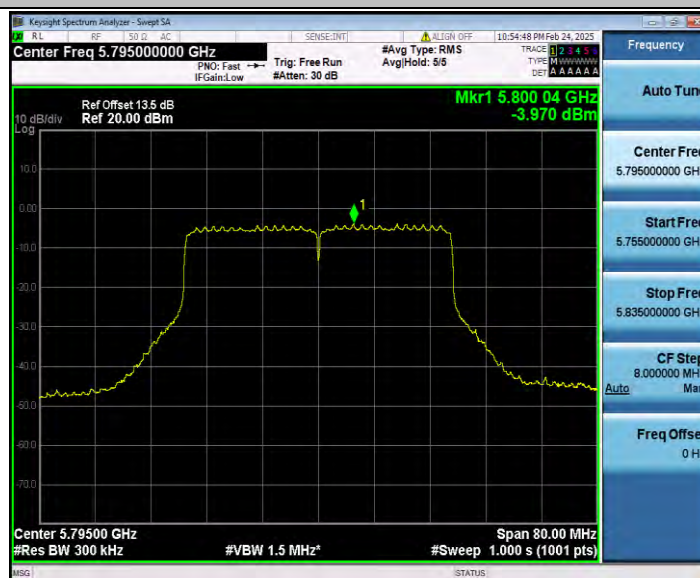
11AX20SISO_Ant0_5825



11AX40SISO_Ant0_5755



11AX40SISO_Ant0_5795



11AX80SISO_Ant0_5775

