

Case No. : CTA24051100404	
Ambient Condition: 23 °C, 49 %RH	
According Standard: ■Part15E	
Test Date: 2024.5.16	Test Engineer: Evan ouyang

Appendix E.1: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.306	5736.2820	5753.5880	---	---
		5785	17.327	5776.3134	5793.6404	---	---
		5825	17.348	5816.3239	5833.6719	---	---
11N20SISO	Ant1	5745	18.338	5735.7837	5754.1217	---	---
		5785	18.386	5775.7459	5794.1319	---	---
		5825	18.405	5815.8133	5834.2183	---	---
11N40SISO	Ant1	5755	36.798	5736.6120	5773.4100	---	---
		5795	36.797	5776.6521	5813.4491	---	---
11AC20SISO	Ant1	5745	18.330	5735.7741	5754.1041	---	---
		5785	18.353	5775.7775	5794.1305	---	---
		5825	18.329	5815.8418	5834.1708	---	---
11AC40SISO	Ant1	5755	36.750	5736.6197	5773.3697	---	---
		5795	36.725	5776.6224	5813.3474	---	---
11AC80SISO	Ant1	5775	75.287	5737.4595	5812.7465	---	---
11AX20SISO	Ant1	5745	19.268	5735.3592	5754.6272	---	---
		5785	19.236	5775.3468	5794.5828	---	---
		5825	19.257	5815.3553	5834.6123	---	---
11AX40SISO	Ant1	5755	38.107	5735.9847	5774.0917	---	---
		5795	38.080	5775.9804	5814.0604	---	---
11AX80SISO	Ant1	5775	76.866	5736.6200	5813.4860	---	---

Test Graphs

11A_Ant1_5745



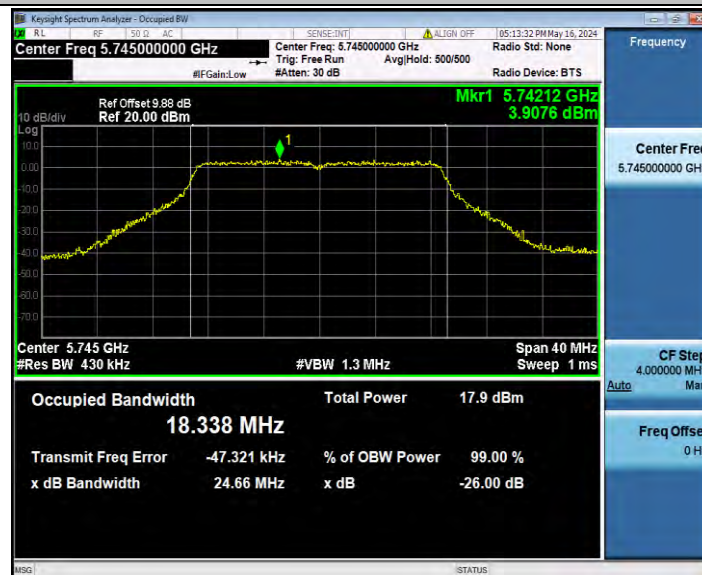
11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



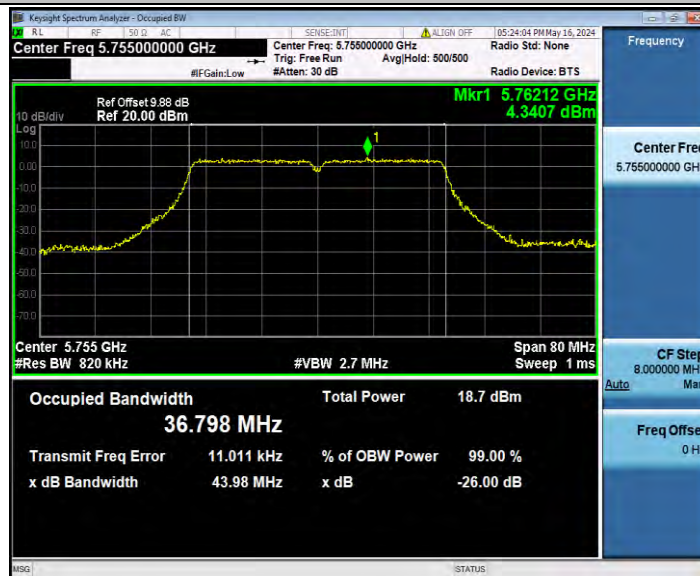
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



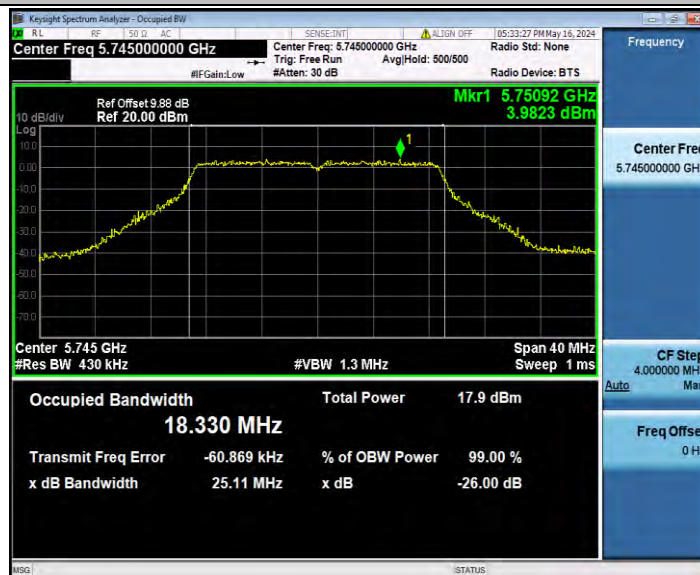
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



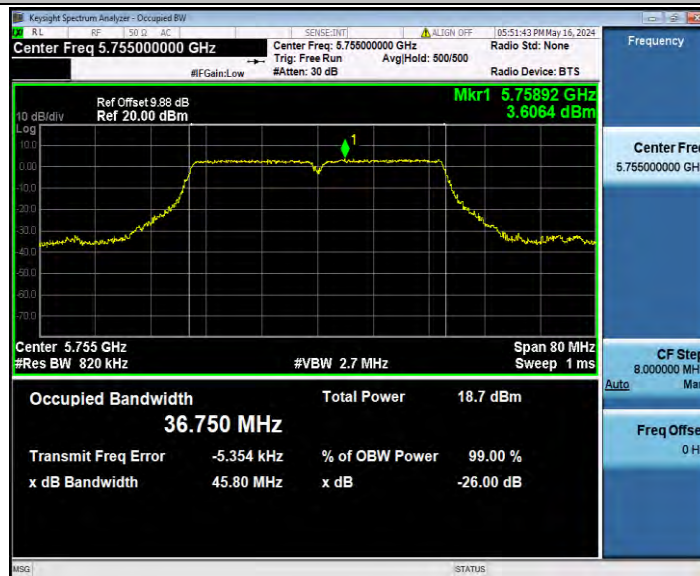
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



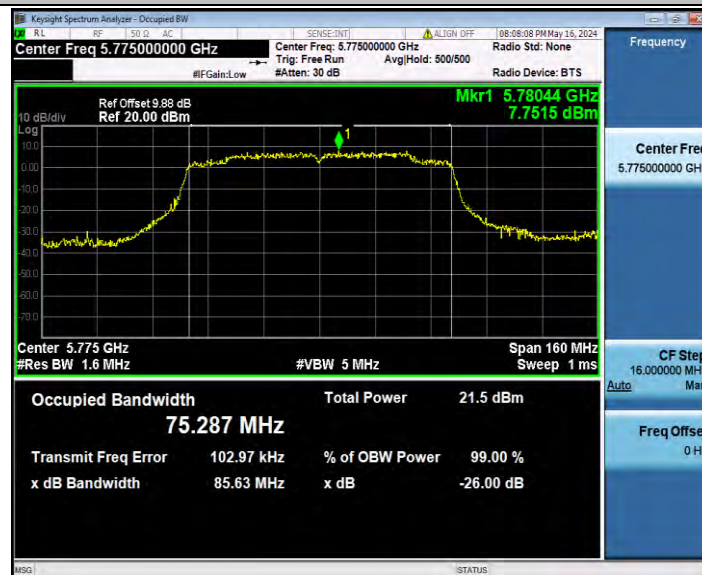
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



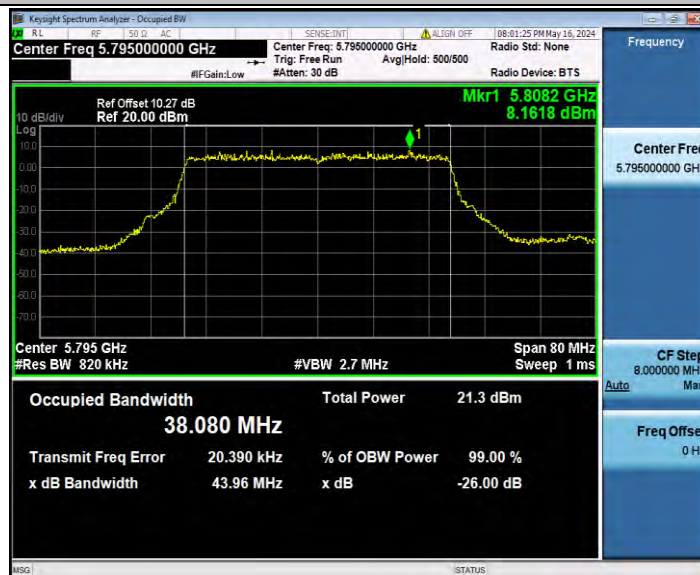
11AX20SISO_Ant1_5825



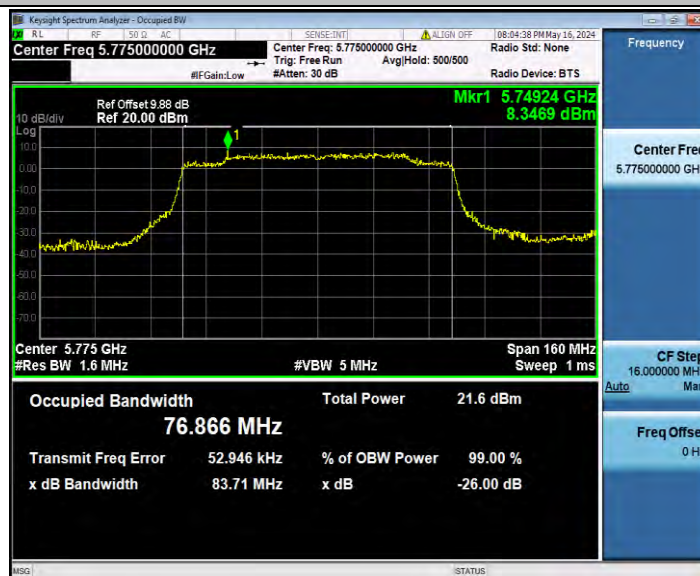
11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



11AX80SISO_Ant1_5775



Appendix E.2: Min emission bandwidth

Test Result B4

TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.320	5736.800	5753.120	0.5	PASS
		5785	16.320	5776.800	5793.120	0.5	PASS
		5825	16.320	5816.800	5833.120	0.5	PASS
11N20SISO	Ant1	5745	17.560	5736.160	5753.720	0.5	PASS
		5785	17.520	5776.200	5793.720	0.5	PASS
		5825	17.560	5816.200	5833.760	0.5	PASS
11N40SISO	Ant1	5755	36.320	5736.840	5773.160	0.5	PASS
		5795	36.320	5776.840	5813.160	0.5	PASS
11AC20SISO	Ant1	5745	17.600	5736.160	5753.760	0.5	PASS
		5785	17.560	5776.200	5793.760	0.5	PASS
		5825	17.320	5816.440	5833.760	0.5	PASS
11AC40SISO	Ant1	5755	36.320	5736.840	5773.160	0.5	PASS
		5795	36.320	5776.840	5813.160	0.5	PASS
11AC80SISO	Ant1	5775	75.040	5737.400	5812.440	0.5	PASS
11AX20SISO	Ant1	5745	18.520	5735.640	5754.160	0.5	PASS
		5785	18.920	5775.560	5794.480	0.5	PASS
		5825	18.680	5815.760	5834.440	0.5	PASS
11AX40SISO	Ant1	5755	37.840	5736.120	5773.960	0.5	PASS
		5795	37.840	5776.120	5813.960	0.5	PASS
11AX80SISO	Ant1	5775	75.040	5737.400	5812.440	0.5	PASS

Test Graphs B4

11A_Ant1_5745



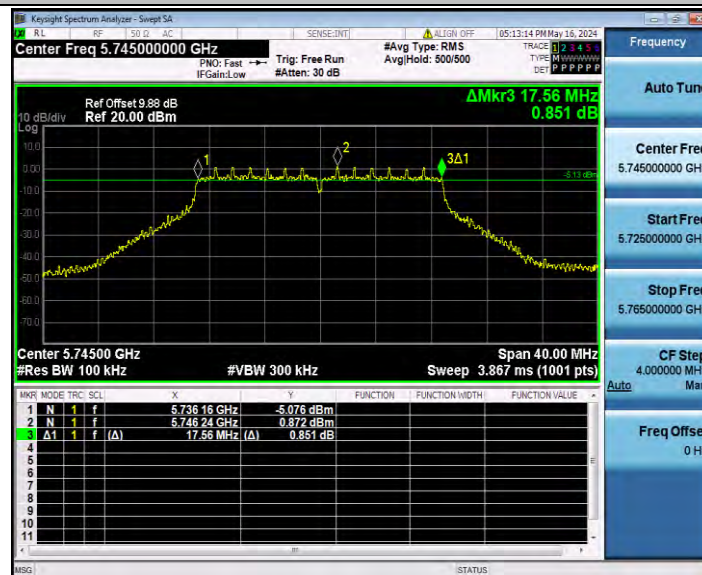
11A_Ant1_5785



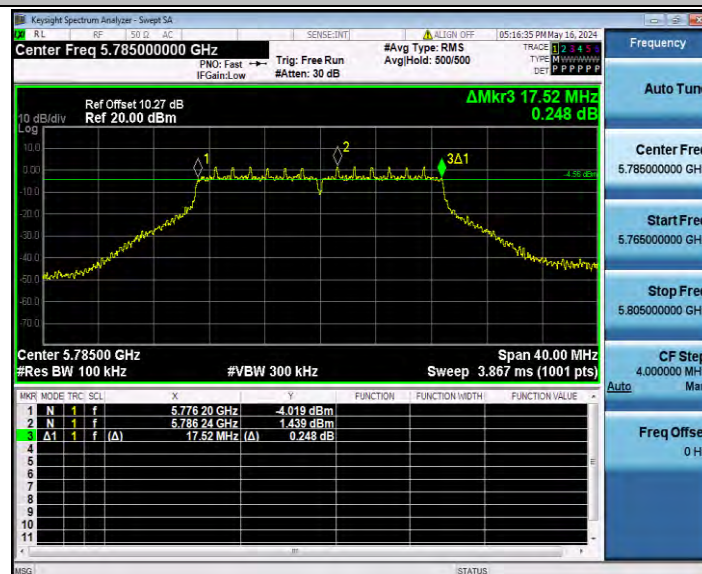
11A_Ant1_5825



11N20SISO_Ant1_5745



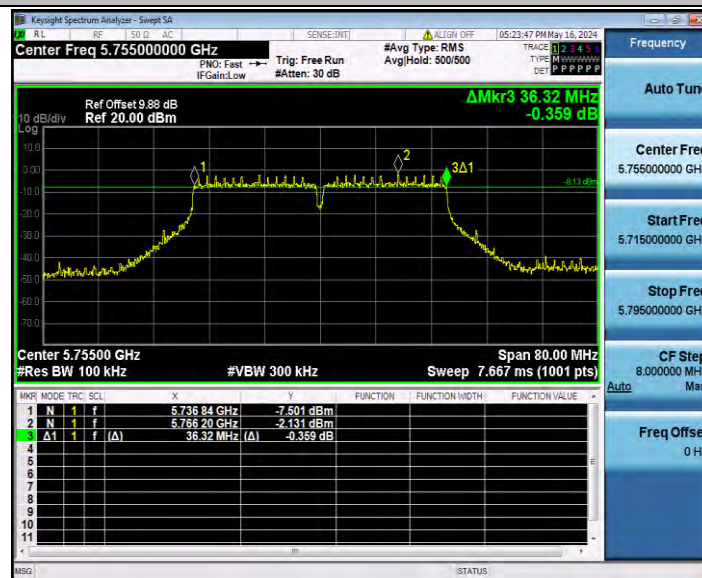
11N20SISO_Ant1_5785



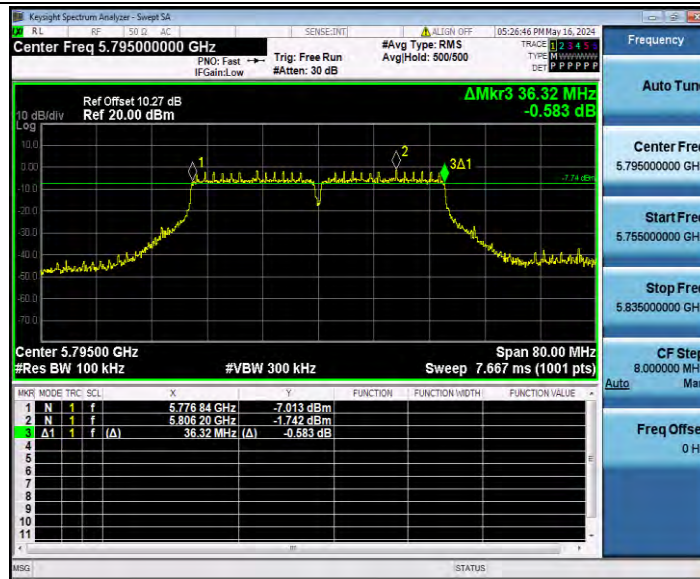
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



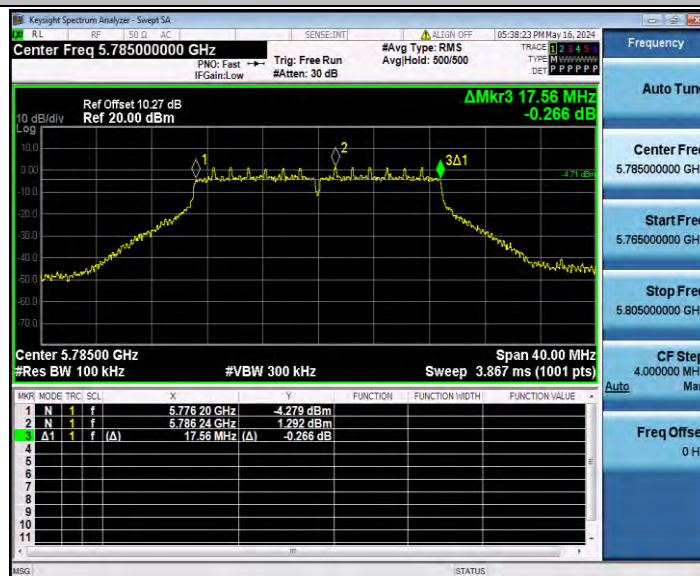
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



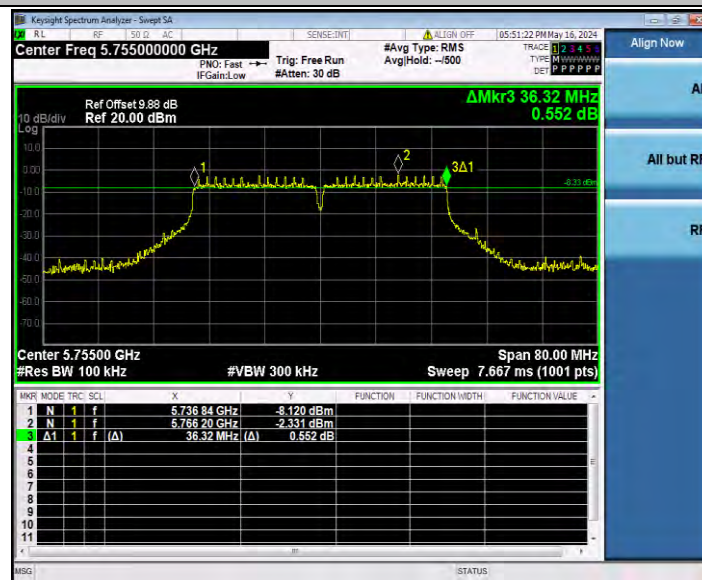
11AC20SISO_Ant1_5785



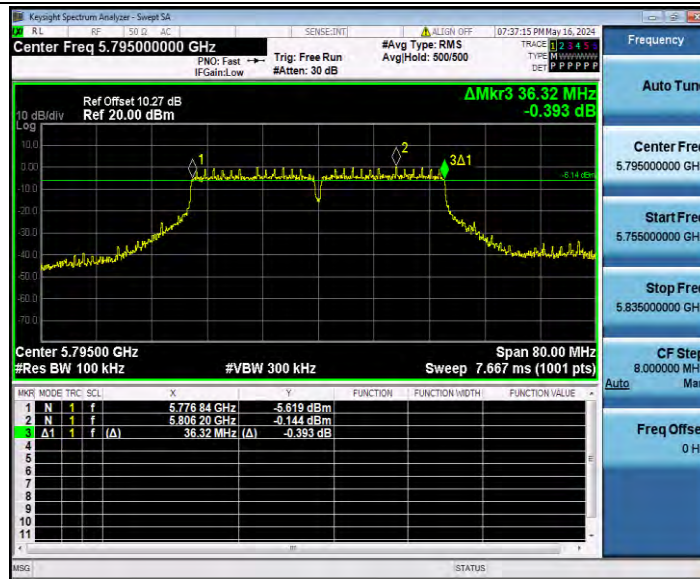
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



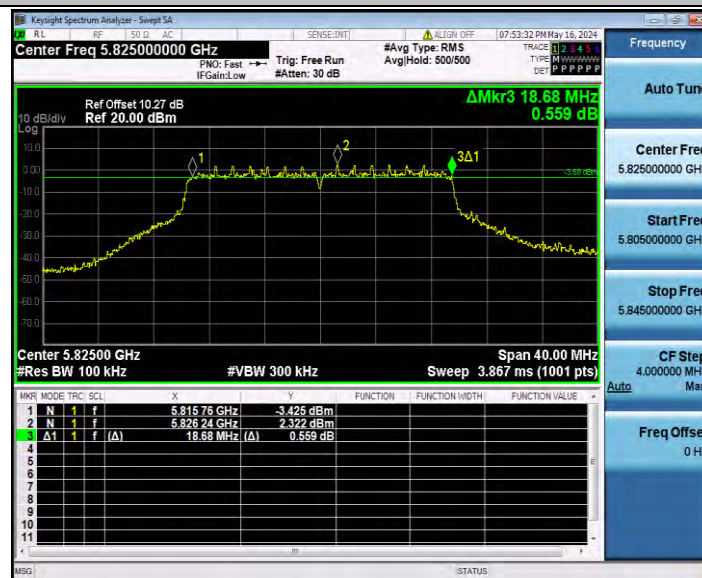
11AX20SISO_Ant1_5745



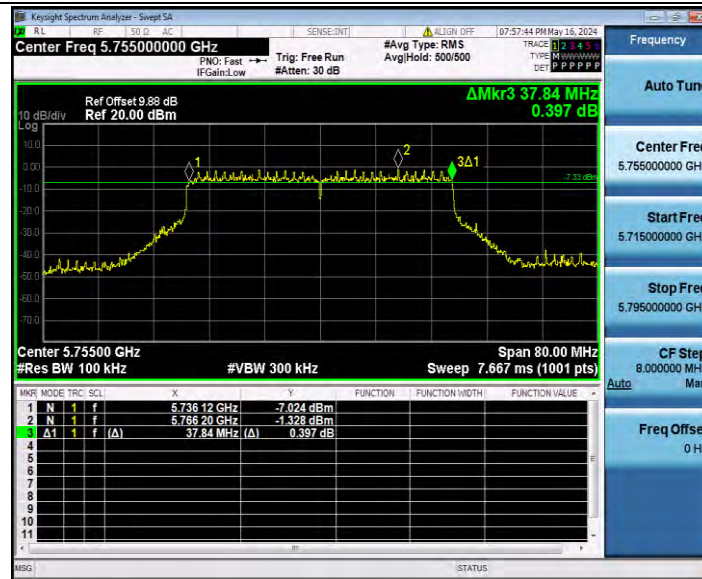
11AX20SISO_Ant1_5785



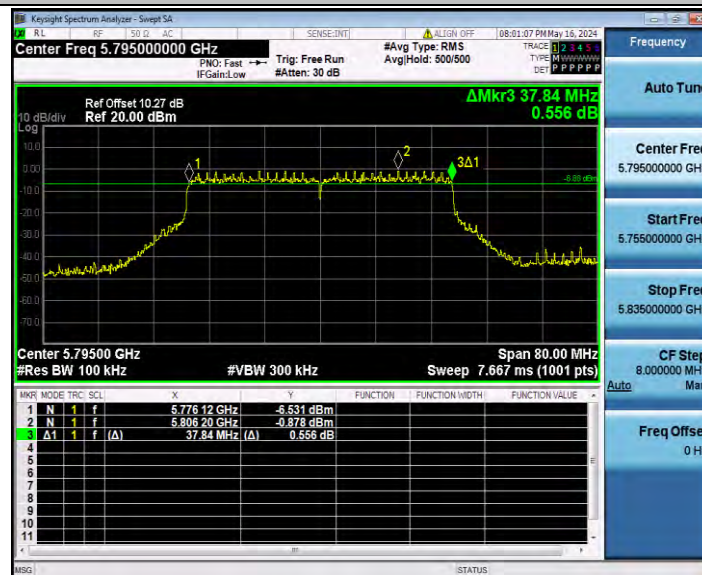
11AX20SISO_Ant1_5825



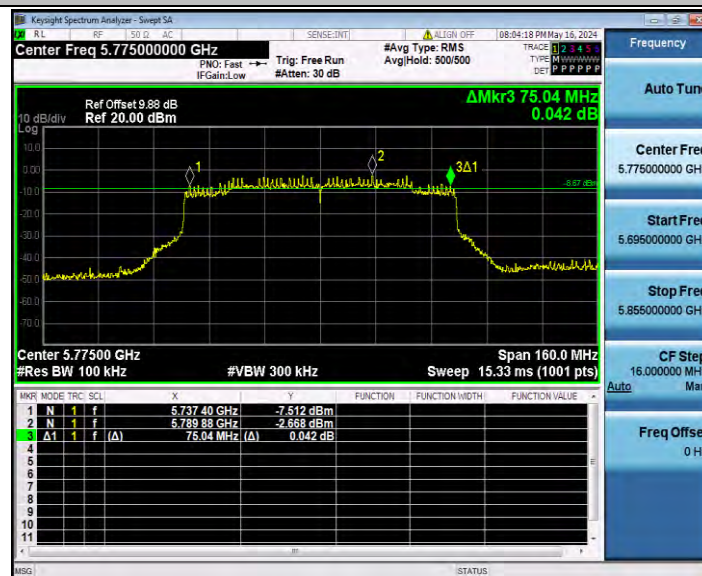
11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



11AX80SISO_Ant1_5775

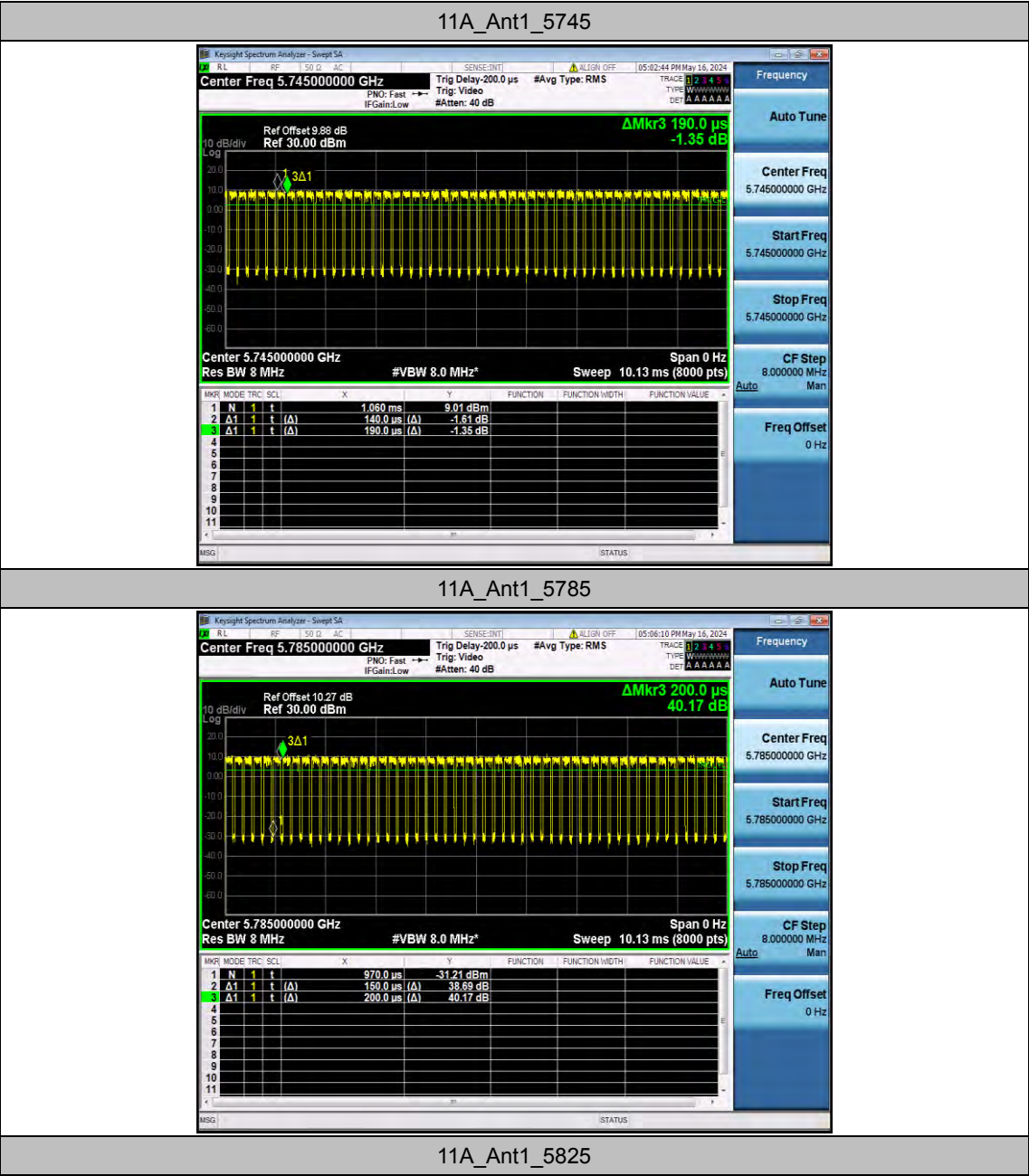


Appendix E.3: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5745	0.14	0.19	73.68	1.33	7.14
		5785	0.15	0.20	75.00	1.25	6.67
		5825	0.15	0.19	78.95	1.03	6.67
11N20SISO	Ant1	5745	0.18	0.23	78.26	1.06	5.56
		5785	0.17	0.22	77.27	1.12	5.88
		5825	0.18	0.22	81.82	0.87	5.56
11N40SISO	Ant1	5755	0.18	0.23	78.26	1.06	5.56
		5795	0.18	0.22	81.82	0.87	5.56
11AC20SISO	Ant1	5745	0.17	0.21	80.95	0.92	5.88
		5785	0.17	0.22	77.27	1.12	5.88
		5825	0.17	0.22	77.27	1.12	5.88
11AC40SISO	Ant1	5755	0.15	0.20	75.00	1.25	6.67
		5795	0.15	0.20	75.00	1.25	6.67
11AC80SISO	Ant1	5775	0.16	0.21	76.19	1.18	6.25
11AX20SISO	Ant1	5745	0.26	0.31	83.87	0.76	3.85
		5785	0.26	0.30	86.67	0.62	3.85
		5825	0.26	0.30	86.67	0.62	3.85
11AX40SISO	Ant1	5755	0.17	0.22	77.27	1.12	5.88
		5795	0.17	0.22	77.27	1.12	5.88
11AX80SISO	Ant1	5775	0.16	0.21	76.19	1.18	6.25

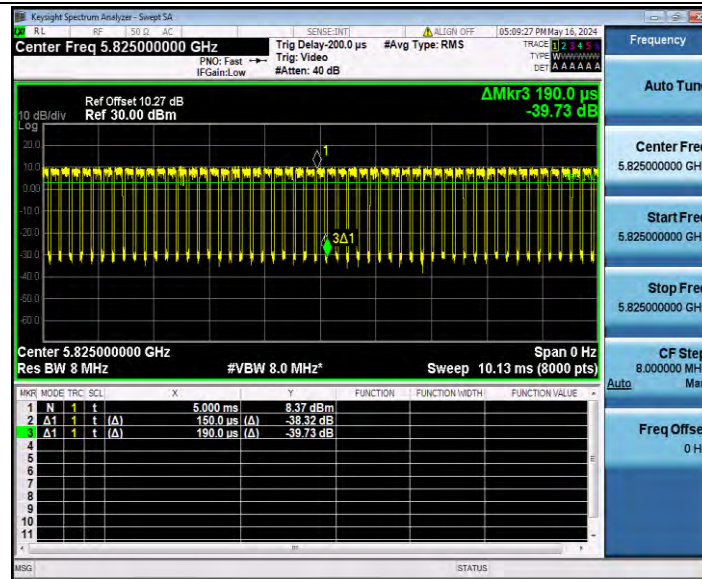
Test Graphs



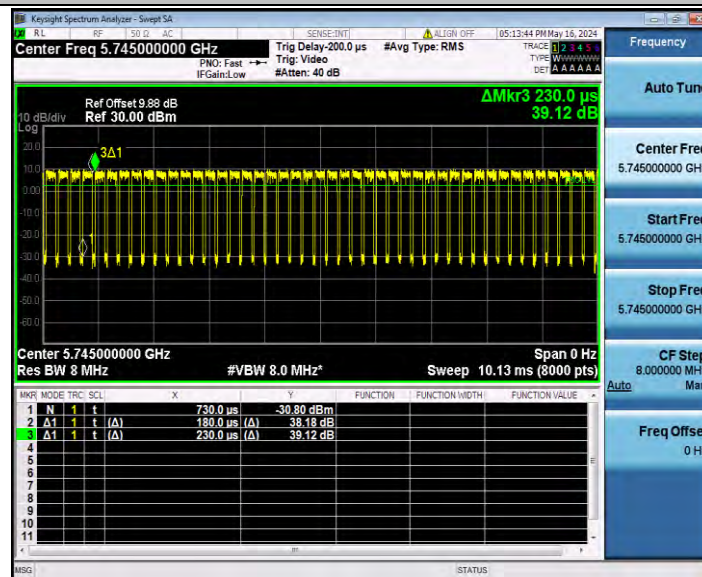
11A_Ant1_5785

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Auto Tune
Center Freq 5.785000000 GHz
Start Freq 5.785000000 GHz
Stop Freq 5.785000000 GHz
CF Step 8.0000000 MHz
Freq Offset 0 Hz

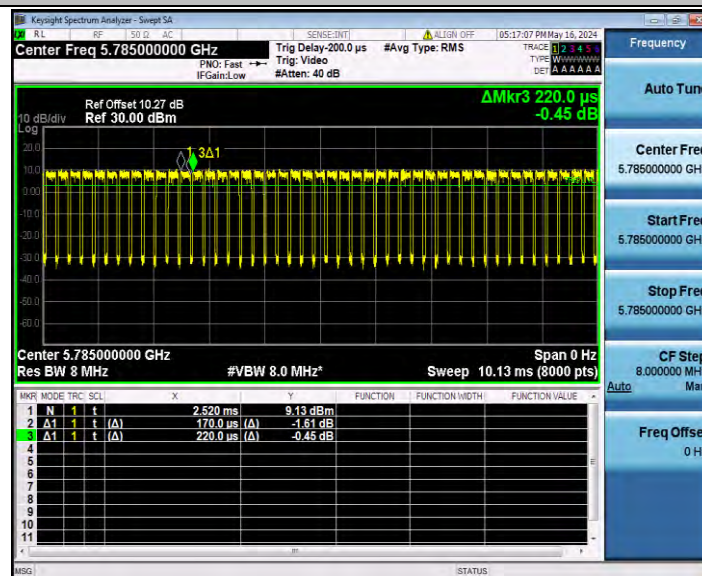
11A_Ant1_5825



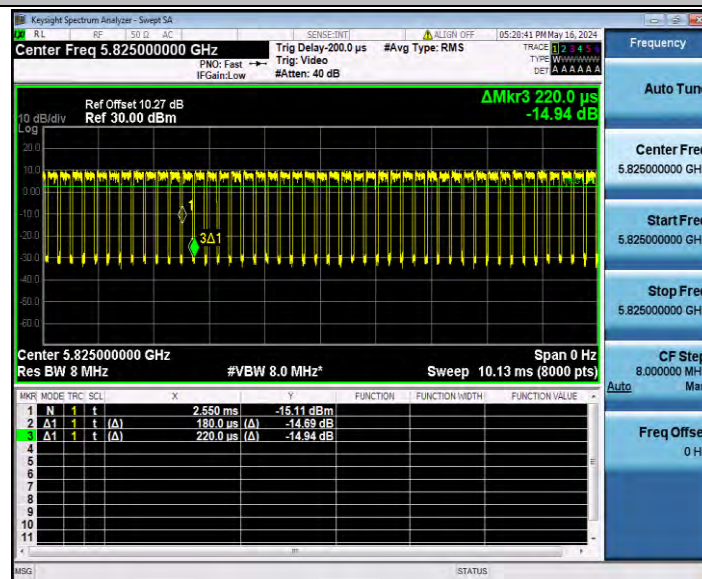
11N20SISO_Ant1_5745



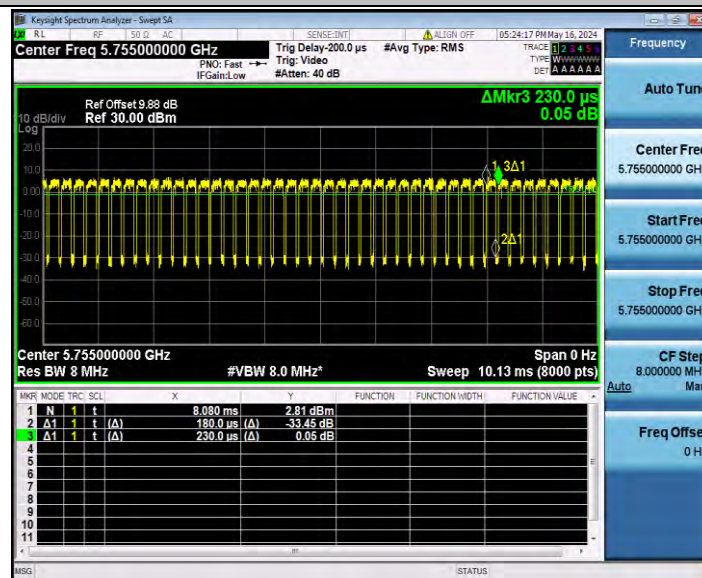
11N20SISO_Ant1_5785



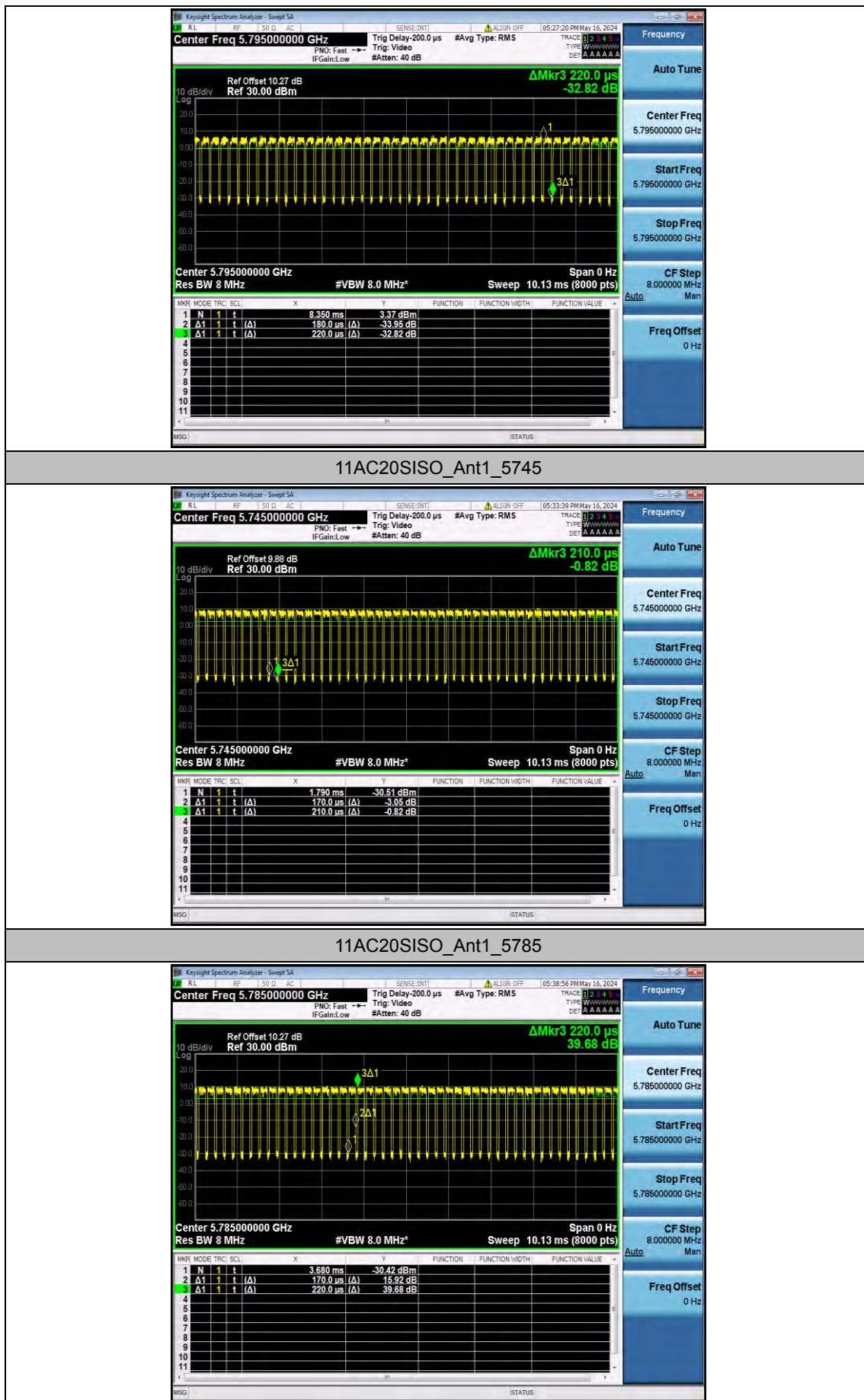
11N20SISO_Ant1_5825



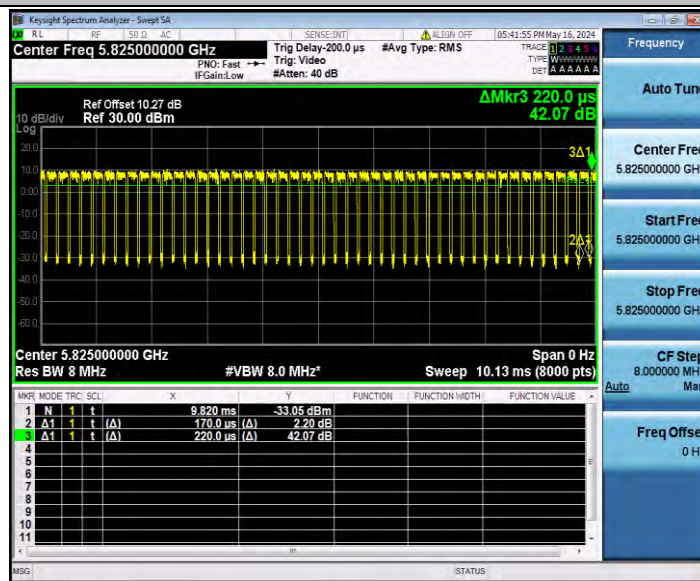
11N40SISO_Ant1_5755



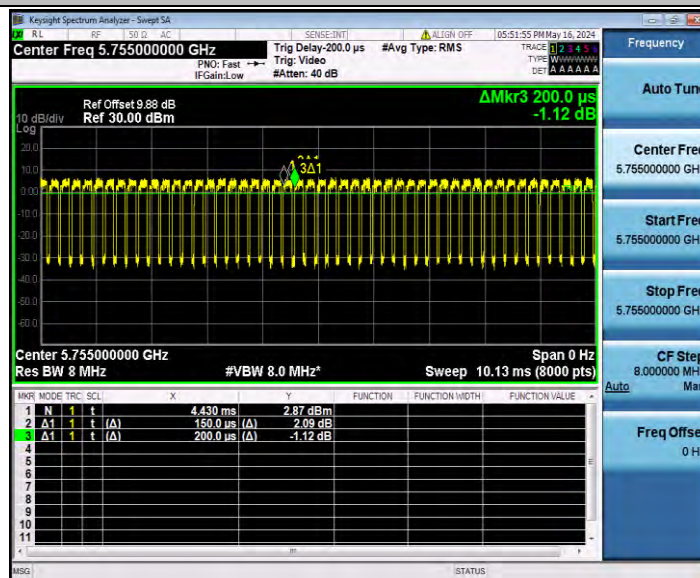
11N40SISO_Ant1_5795



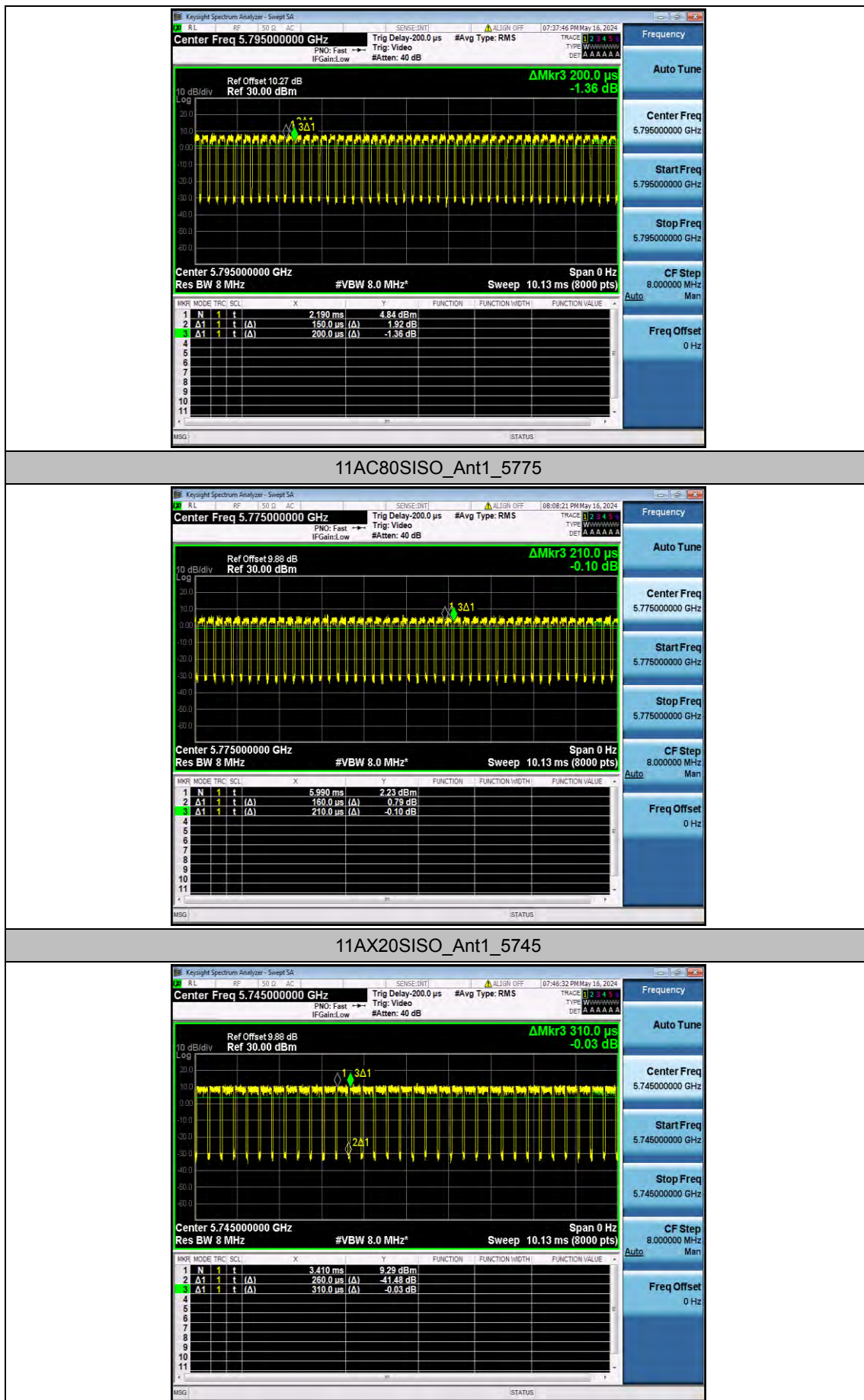
11AC20SISO_Ant1_5825



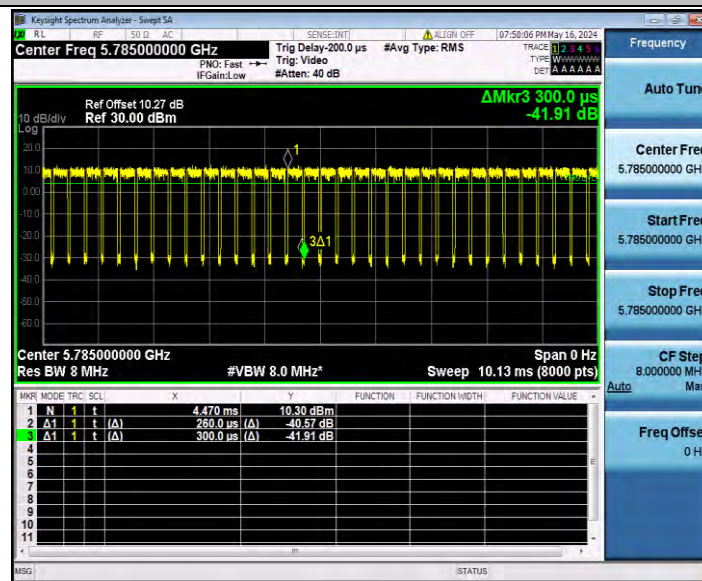
11AC40SISO_Ant1_5755



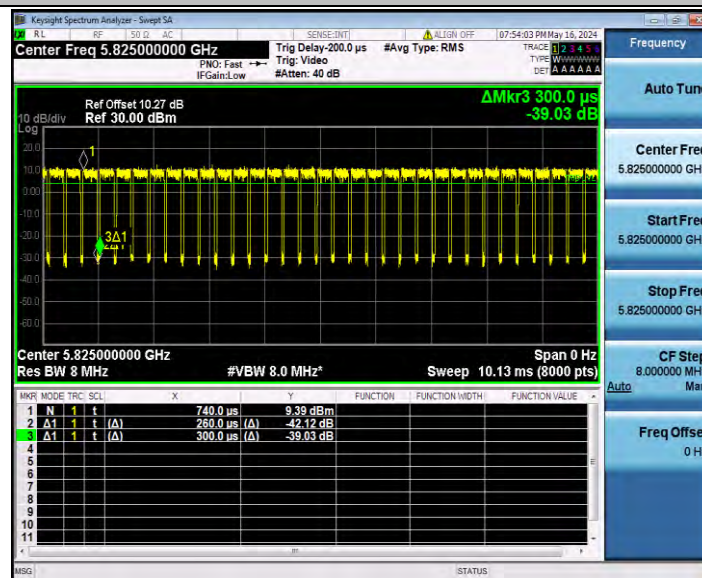
11AC40SISO_Ant1_5795



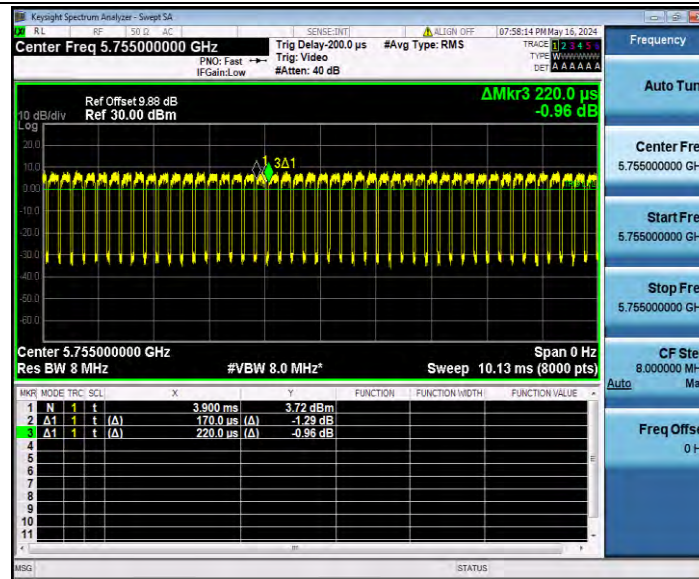
11AX20SISO_Ant1_5785



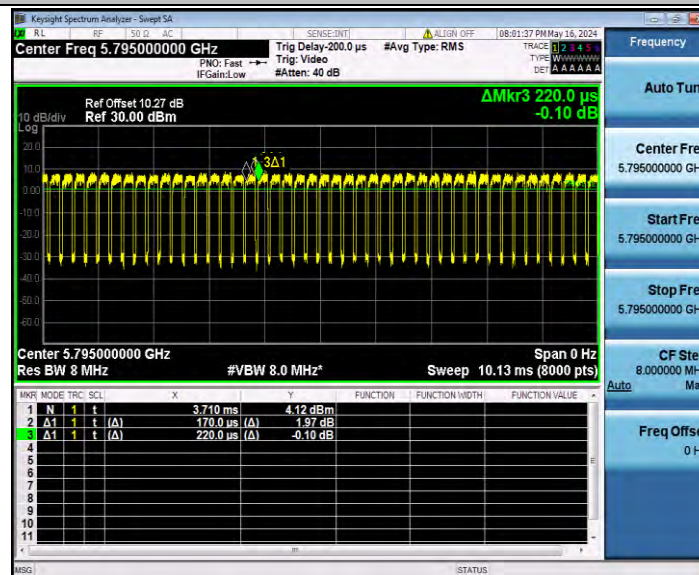
11AX20SISO_Ant1_5825



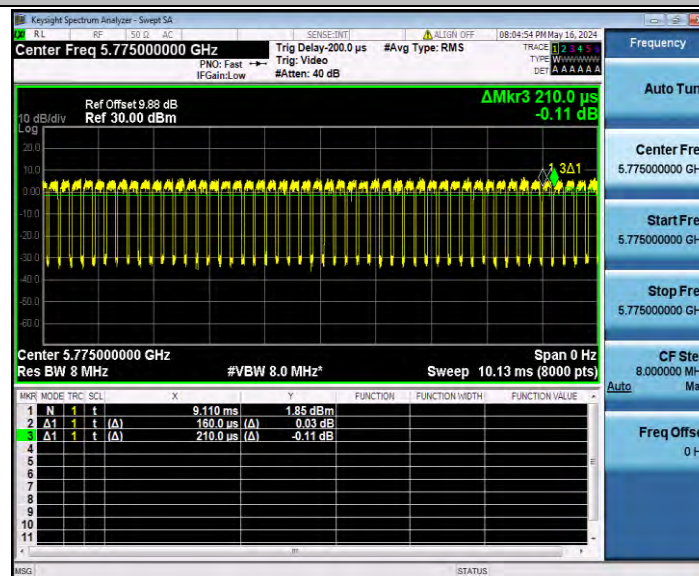
11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



11AX80SISO_Ant1_5775



Appendix E.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	Ant1	5745	10.29	73.68	1.33	11.62	≤30.00	PASS
		5785	10.81	75.00	1.25	12.06	≤30.00	PASS
		5825	10.35	78.95	1.03	11.38	≤30.00	PASS
11N20SIS O	Ant1	5745	10.41	78.26	1.06	11.47	≤30.00	PASS
		5785	10.85	77.27	1.12	11.97	≤30.00	PASS
		5825	10.57	81.82	0.87	11.44	≤30.00	PASS
11N40SIS O	Ant1	5755	10.27	78.26	1.06	11.33	≤30.00	PASS
		5795	10.75	81.82	0.87	11.62	≤30.00	PASS
11AC20SIS O	Ant1	5745	10.33	80.95	0.92	11.25	≤30.00	PASS
		5785	10.71	77.27	1.12	11.83	≤30.00	PASS
		5825	10.57	77.27	1.12	11.69	≤30.00	PASS
11AC40SIS O	Ant1	5755	10.06	75.00	1.25	11.31	≤30.00	PASS
		5795	12.10	75.00	1.25	13.35	≤30.00	PASS
11AC80SIS O	Ant1	5775	11.87	76.19	1.18	13.05	≤30.00	PASS
11AX20SIS O	Ant1	5745	11.82	83.87	0.76	12.58	≤30.00	PASS
		5785	12.30	86.67	0.62	12.92	≤30.00	PASS
		5825	12.15	86.67	0.62	12.77	≤30.00	PASS
11AX40SIS O	Ant1	5755	11.28	77.27	1.12	12.40	≤30.00	PASS
		5795	11.79	77.27	1.12	12.91	≤30.00	PASS
11AX80SIS O	Ant1	5775	11.57	76.19	1.18	12.75	≤30.00	PASS

Note:

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

Appendix E.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-2.18	≤30.00	PASS
		5785	-2.05	≤30.00	PASS
		5825	-2.29	≤30.00	PASS
11N20SISO	Ant1	5745	-2.58	≤30.00	PASS
		5785	-1.90	≤30.00	PASS
		5825	-2.38	≤30.00	PASS
11N40SISO	Ant1	5755	-5.65	≤30.00	PASS
		5795	-5.25	≤30.00	PASS
11AC20SISO	Ant1	5745	-2.74	≤30.00	PASS
		5785	-2.08	≤30.00	PASS
		5825	-2.03	≤30.00	PASS
11AC40SISO	Ant1	5755	-5.45	≤30.00	PASS
		5795	-3.53	≤30.00	PASS
11AC80SISO	Ant1	5775	-6.13	≤30.00	PASS
11AX20SISO	Ant1	5745	-1.86	≤30.00	PASS
		5785	-1.48	≤30.00	PASS
		5825	-1.76	≤30.00	PASS
11AX40SISO	Ant1	5755	-4.60	≤30.00	PASS
		5795	-4.08	≤30.00	PASS
11AX80SISO	Ant1	5775	-6.53	≤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_Ant1_5745



11A_Ant1_5785



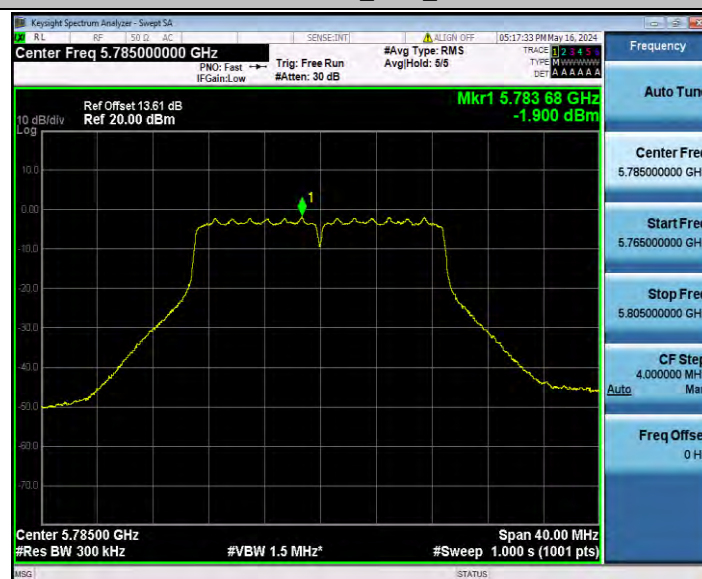
11A_Ant1_5825



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



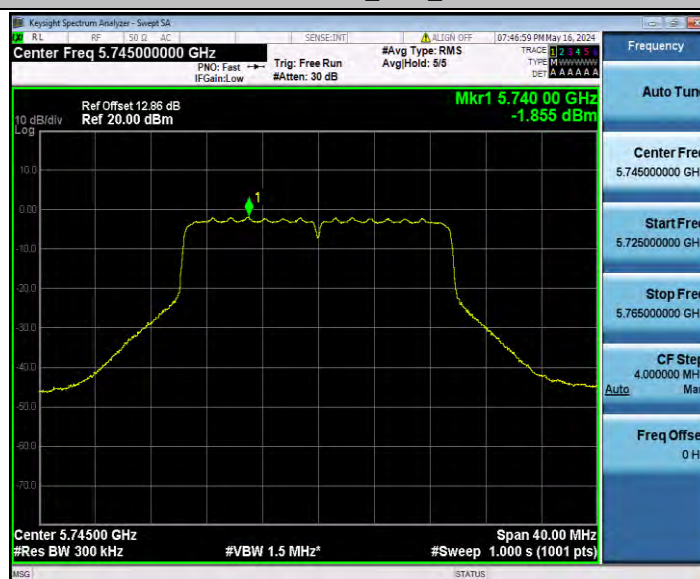
11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



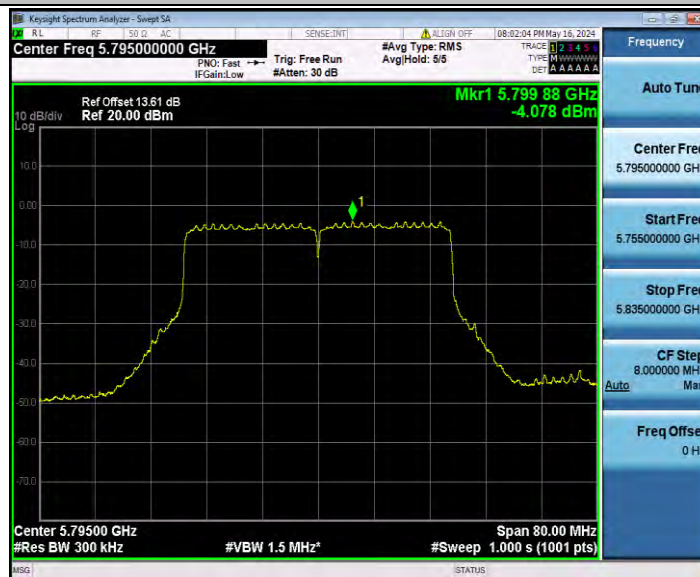
11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



11AX80SISO_Ant1_5775

