

Case No. : <u>GTS20230523010-1-14</u>	
Ambient Condition: <u>24</u> °C, <u>49</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.6.15</u>	Test Engineer: <u>Jenny zeng</u>

Appendix E.1: Occupied channel bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.973	5735.848	5753.821	---	---
		5785	18.060	5775.750	5793.810	---	---
		5825	17.864	5815.847	5833.711	---	---
11N20SISO	Ant1	5745	19.208	5735.316	5754.524	---	---
		5785	19.143	5775.345	5794.488	---	---
		5825	19.179	5815.215	5834.394	---	---
11N40SISO	Ant1	5755	37.900	5736.048	5773.948	---	---
		5795	37.706	5775.950	5813.656	---	---
11AC20SISO	Ant1	5745	19.343	5735.410	5754.753	---	---
		5785	19.230	5775.384	5794.614	---	---
		5825	19.284	5815.317	5834.601	---	---
11AC40SISO	Ant1	5755	37.835	5736.129	5773.964	---	---
		5795	37.620	5776.073	5813.693	---	---
11AX20SISO	Ant1	5745	19.900	5734.962	5754.862	---	---
		5785	19.598	5775.167	5794.765	---	---
		5825	19.677	5815.103	5834.780	---	---
11AX40SISO	Ant1	5755	38.367	5735.779	5774.146	---	---
		5795	38.371	5775.735	5814.106	---	---

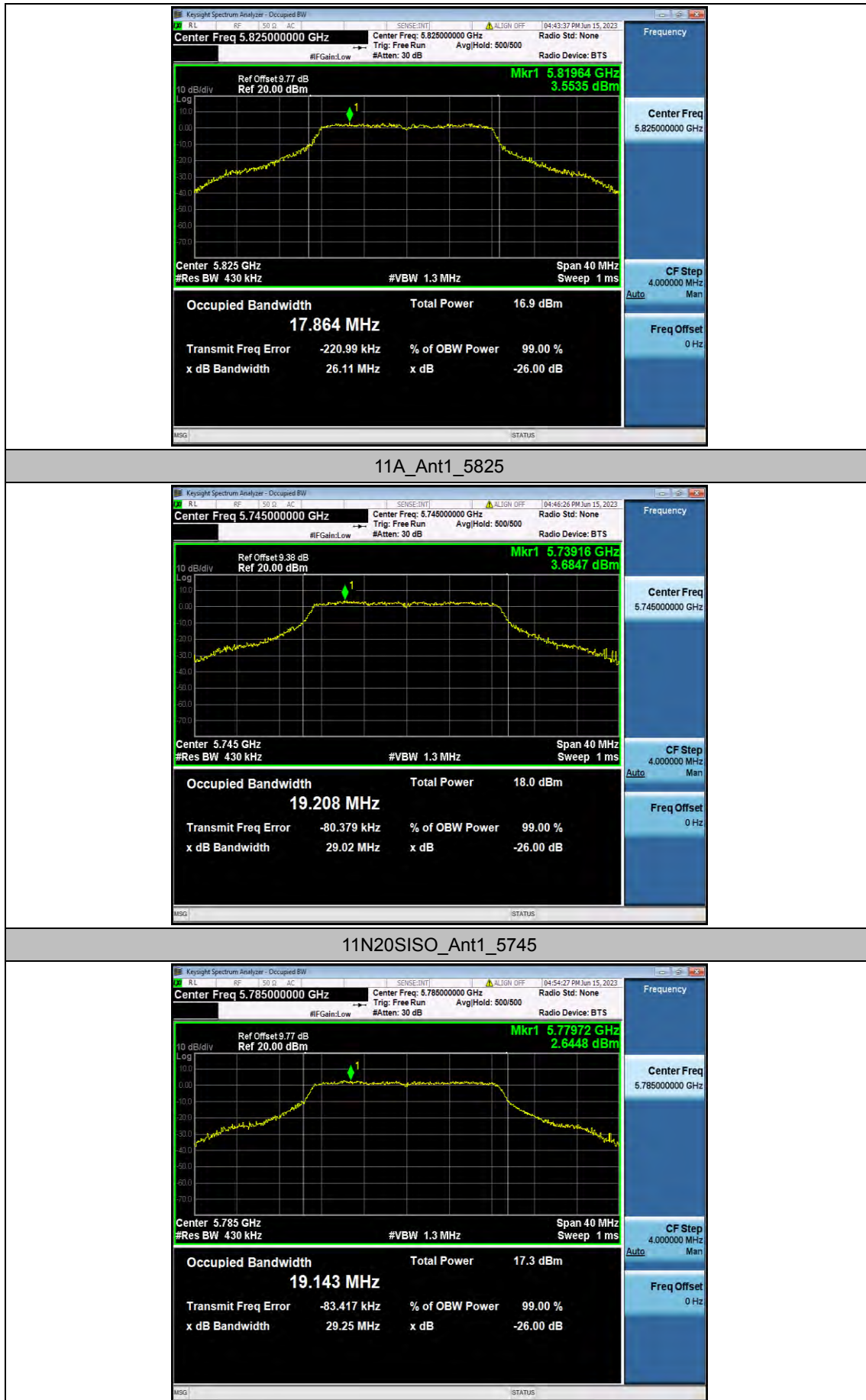
Test Graphs



11A_Ant1_5745



11A_Ant1_5785



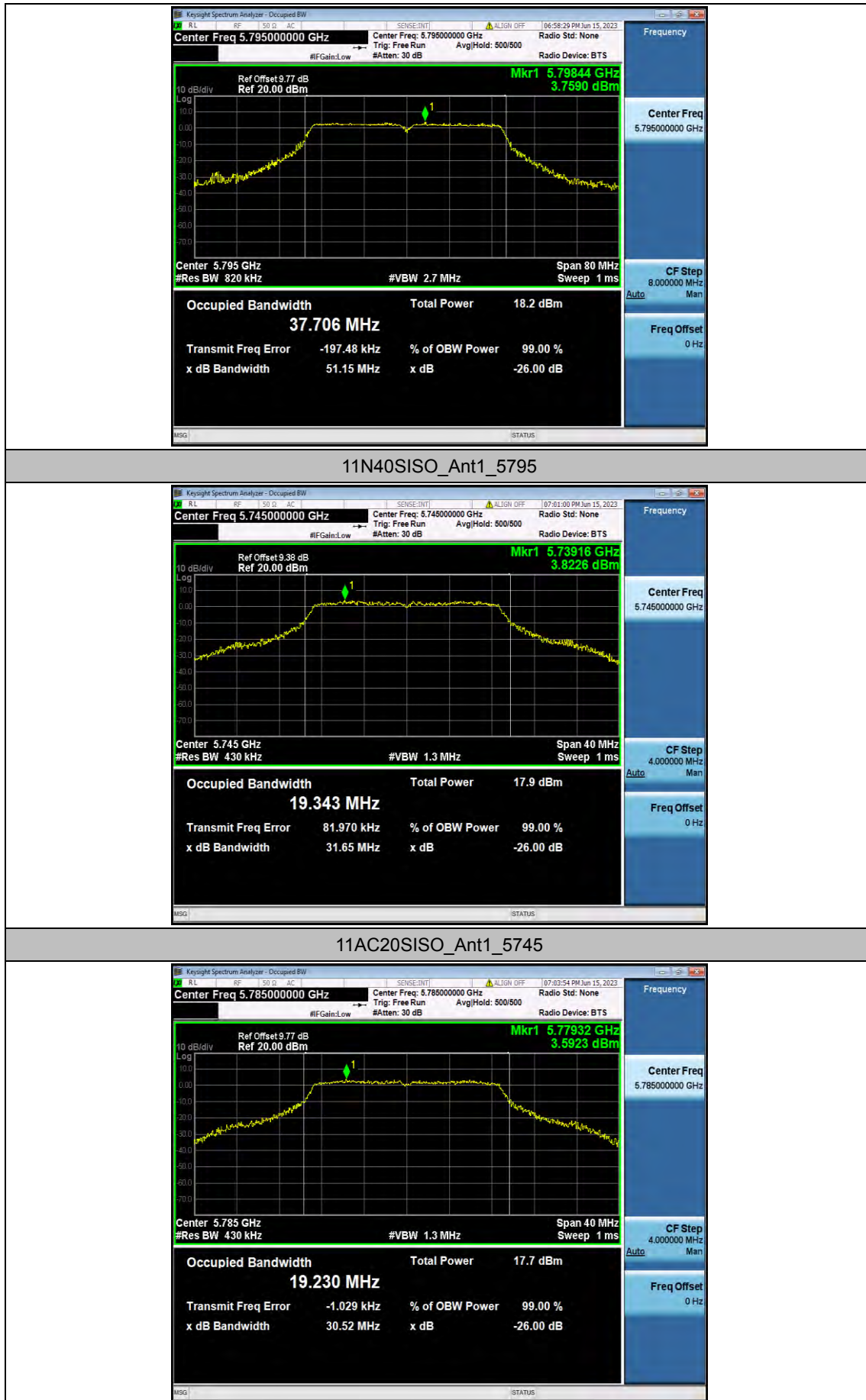
11N20SISO_Ant1_5785



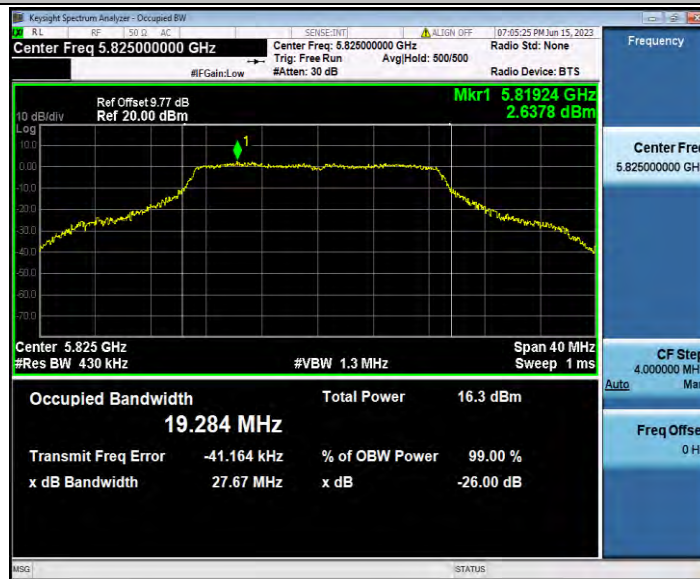
11N20SISO_Ant1_5825



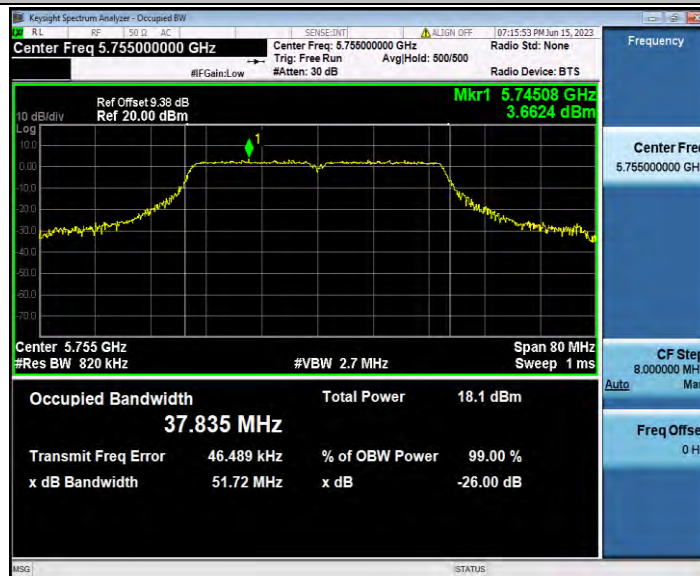
11N40SISO_Ant1_5755



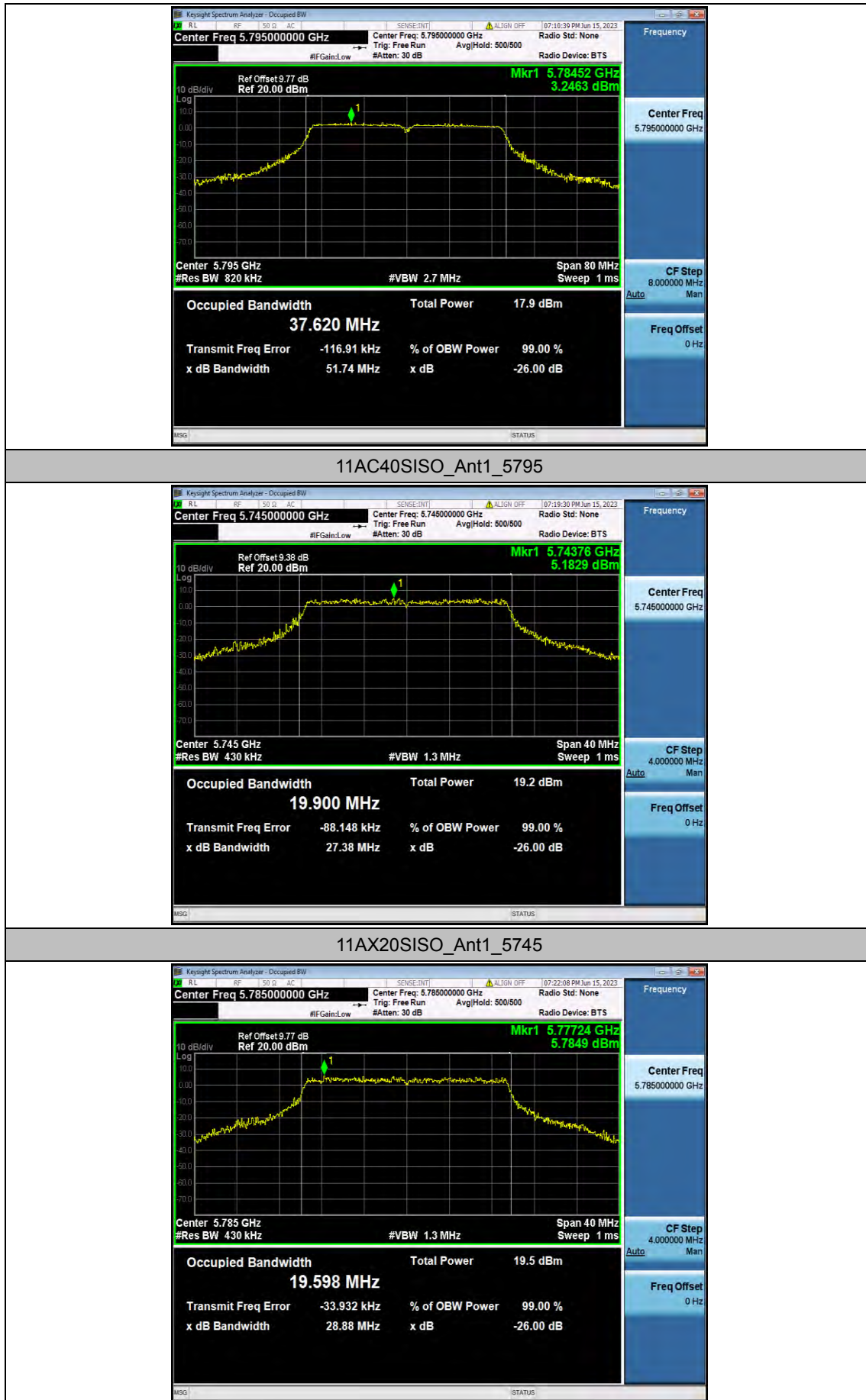
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



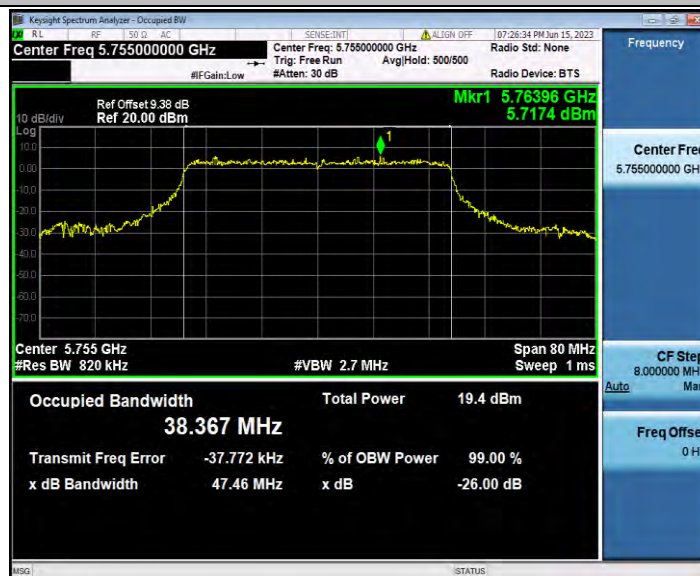
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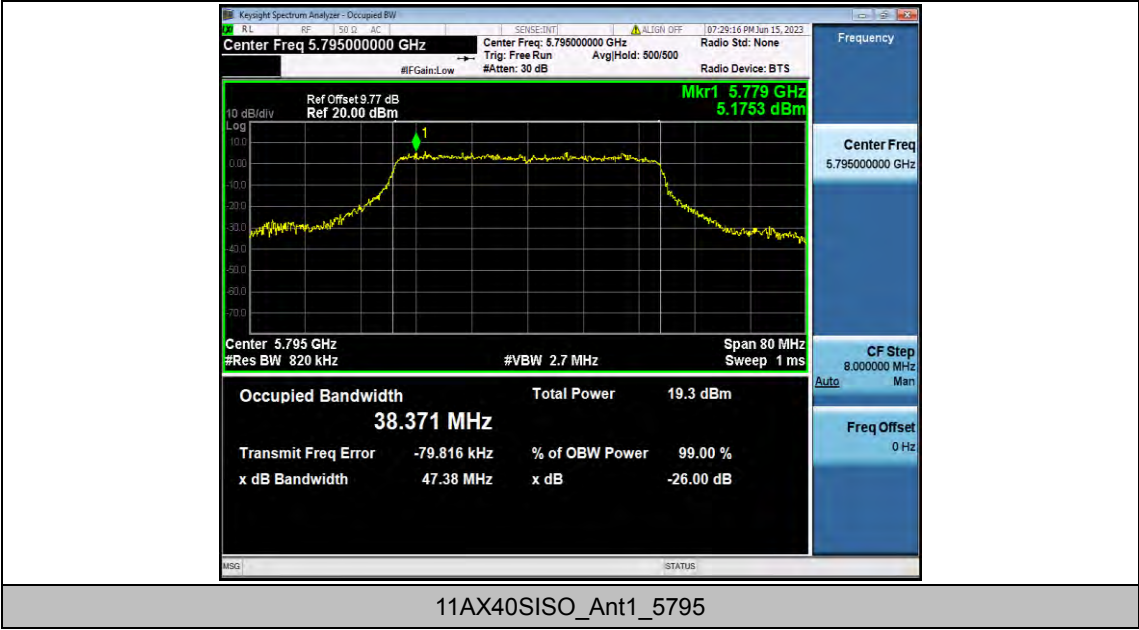
11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755

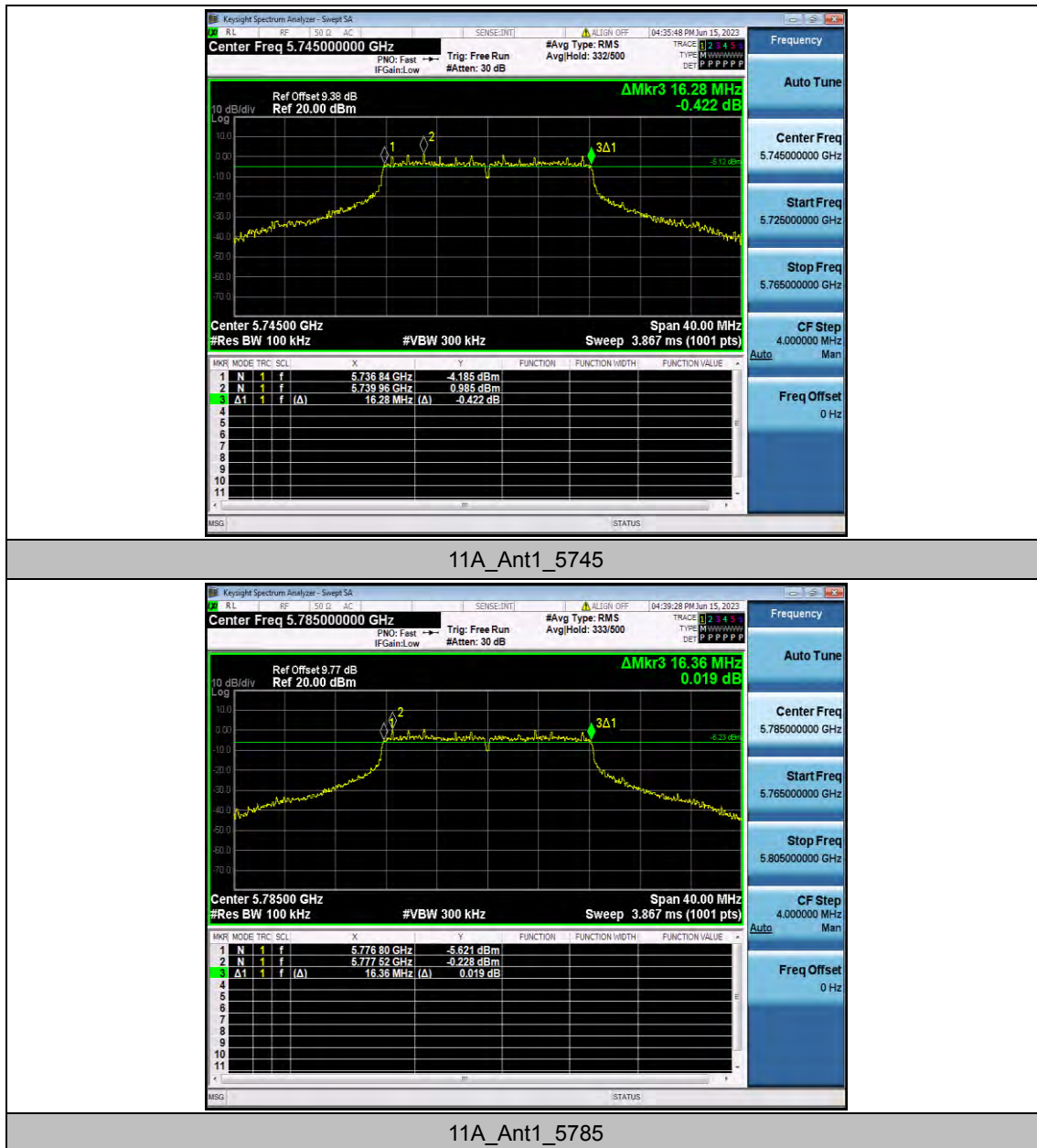


Appendix E.2: Min emission bandwidth

Test Result B4

Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.280	5736.840	5753.120	0.5	PASS
		5785	16.360	5776.800	5793.160	0.5	PASS
		5825	16.280	5816.840	5833.120	0.5	PASS
11N20SISO	Ant1	5745	17.560	5736.200	5753.760	0.5	PASS
		5785	17.560	5776.200	5793.760	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	35.920	5776.840	5812.760	0.5	PASS
11AC20SISO	Ant1	5745	17.560	5736.200	5753.760	0.5	PASS
		5785	17.560	5776.200	5793.760	0.5	PASS
		5825	17.560	5816.200	5833.760	0.5	PASS
11AC40SISO	Ant1	5755	36.320	5736.840	5773.160	0.5	PASS
		5795	35.920	5776.840	5812.760	0.5	PASS
11AX20SISO	Ant1	5745	18.880	5735.600	5754.480	0.5	PASS
		5785	18.960	5775.520	5794.480	0.5	PASS
		5825	18.960	5815.480	5834.440	0.5	PASS
11AX40SISO	Ant1	5755	37.840	5736.040	5773.880	0.5	PASS
		5795	37.840	5776.040	5813.880	0.5	PASS

Test Graphs B4





11A_Ant1_5825



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



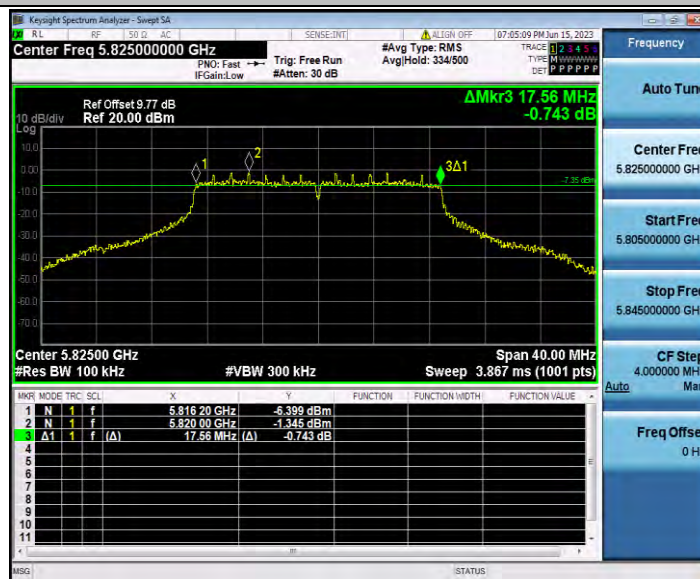
11N20SISO_Ant1_5825



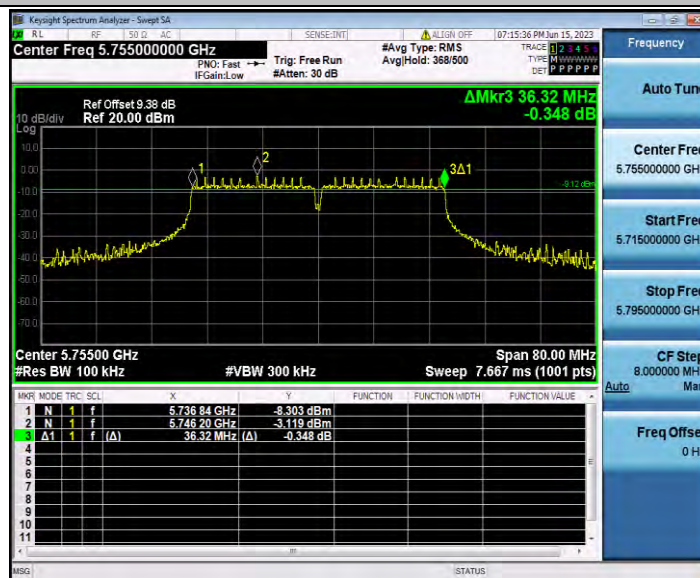
11N40SISO_Ant1_5755



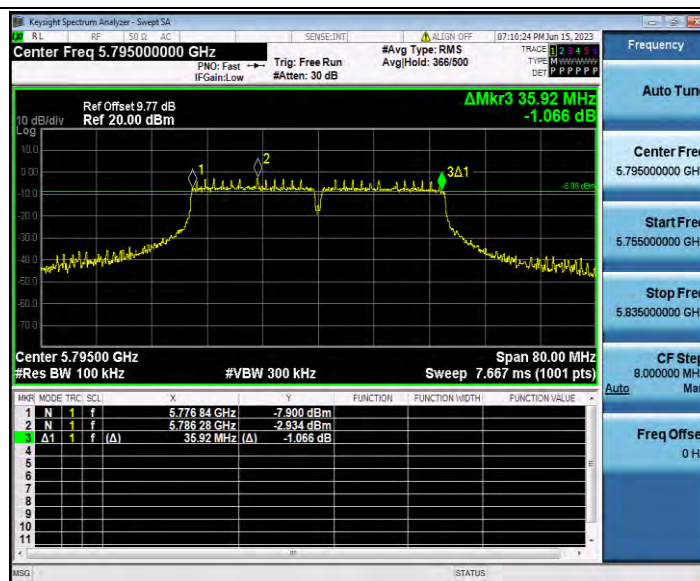
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



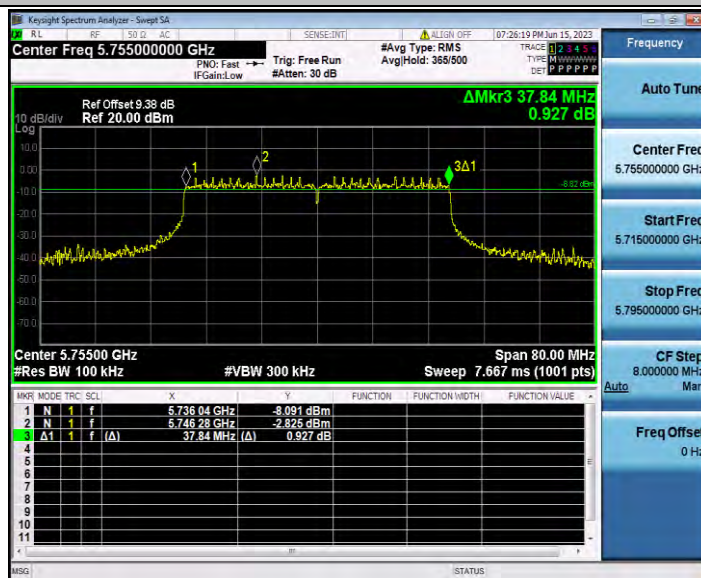
11AX20SISO_Ant1_5745



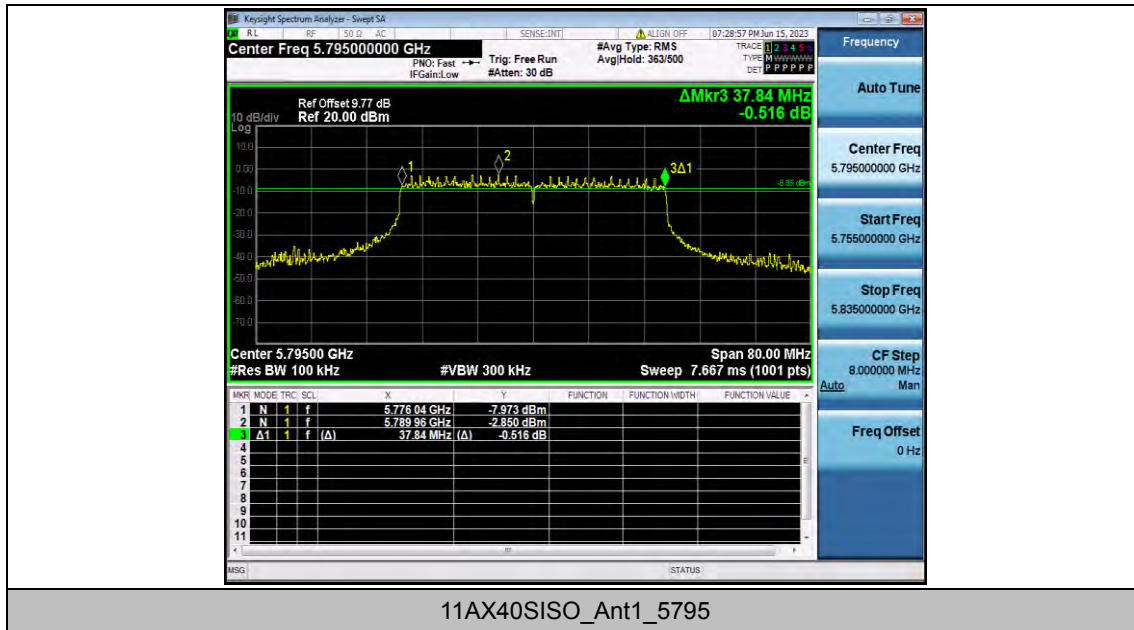
11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755

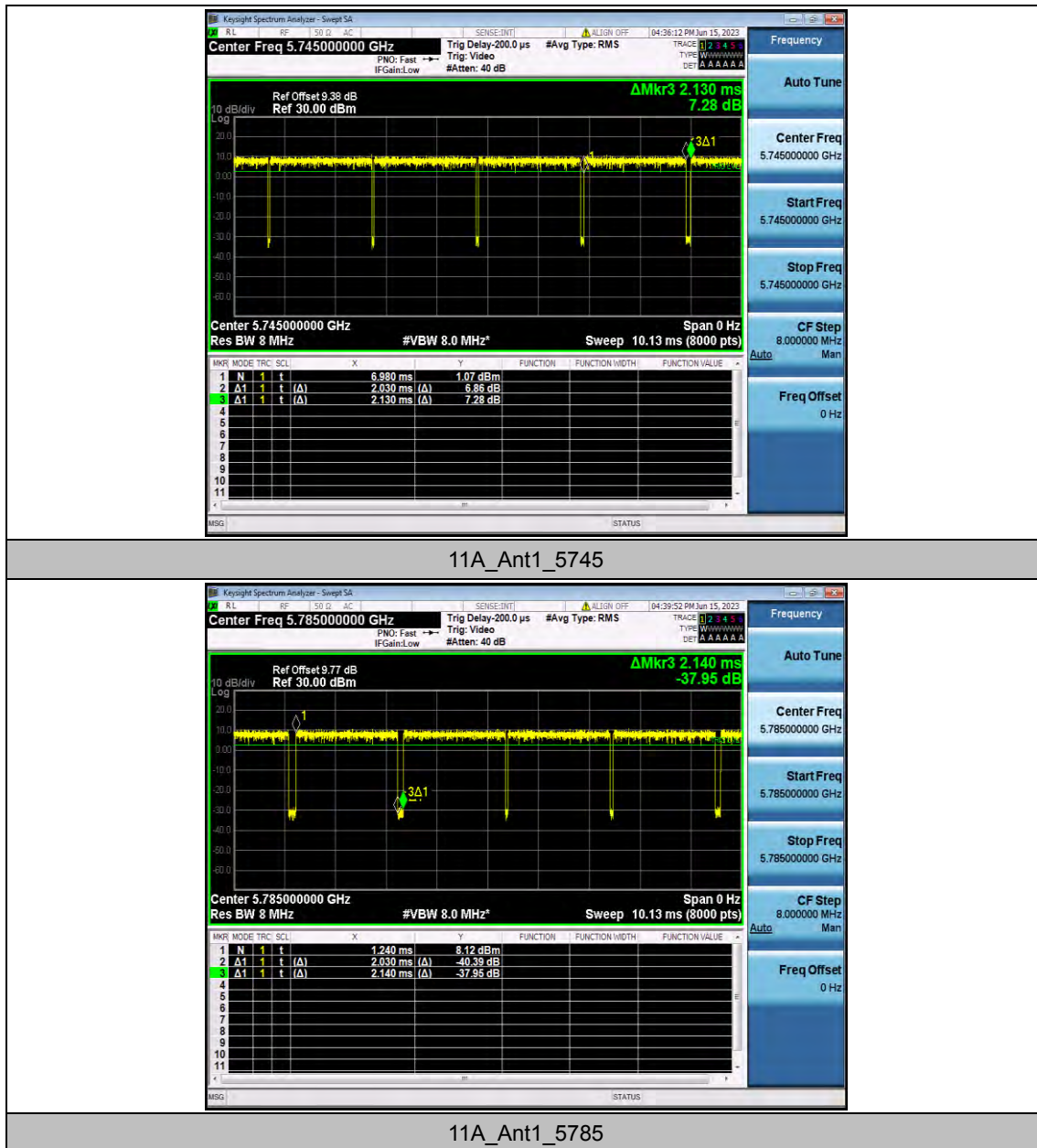


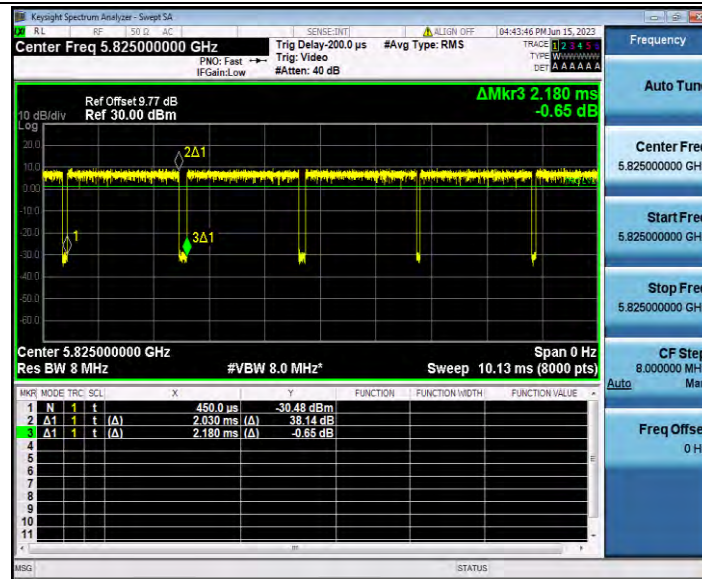
Appendix E.3: Duty Cycle

Test Result

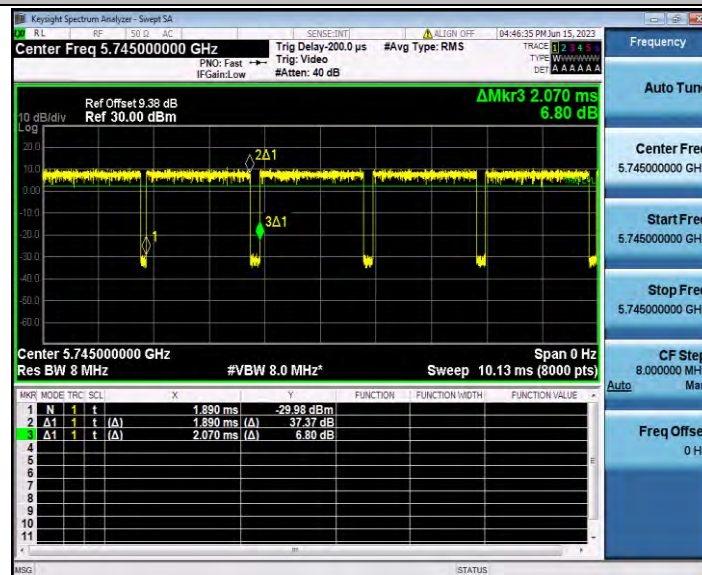
Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5745	2.03	2.13	95.31
		5785	2.03	2.14	94.86
		5825	2.03	2.18	93.12
11N20SISO	Ant1	5745	1.89	2.07	91.30
		5785	1.89	2.07	91.30
		5825	1.89	2.12	89.15
11N40SISO	Ant1	5755	0.93	1.17	79.49
		5795	0.93	1.09	85.32
11AC20SISO	Ant1	5745	1.90	2.04	93.14
		5785	1.90	1.99	95.48
		5825	1.90	2.08	91.35
11AC40SISO	Ant1	5755	0.93	1.06	87.74
		5795	0.93	1.10	84.55
11AX20SISO	Ant1	5745	1.45	1.61	90.06
		5785	1.46	1.63	89.57
		5825	1.45	1.59	91.19
11AX40SISO	Ant1	5755	0.74	0.91	81.32
		5795	0.75	0.92	81.52

Test Graphs

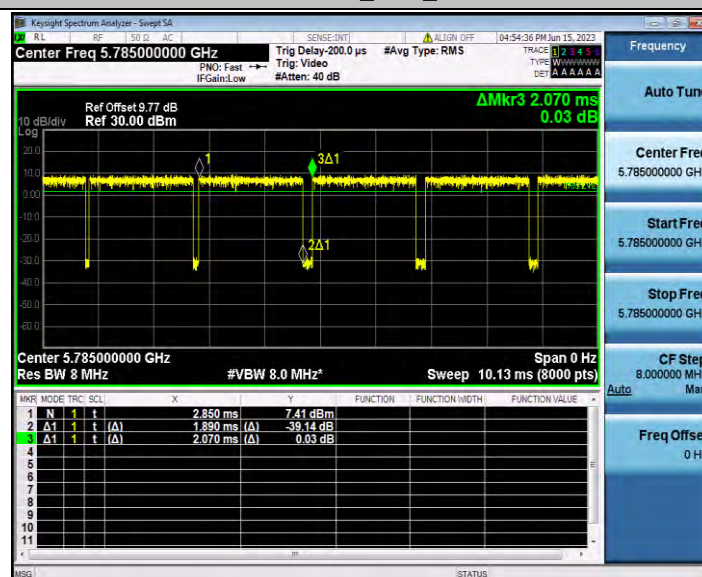




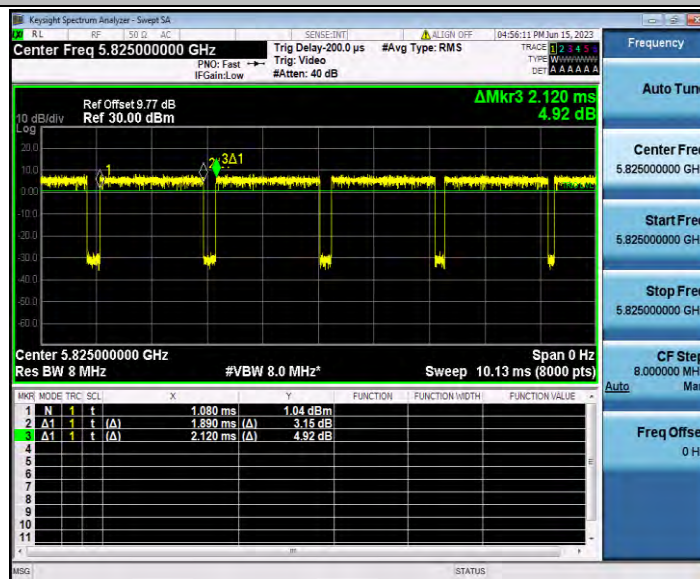
11A_Ant1_5825



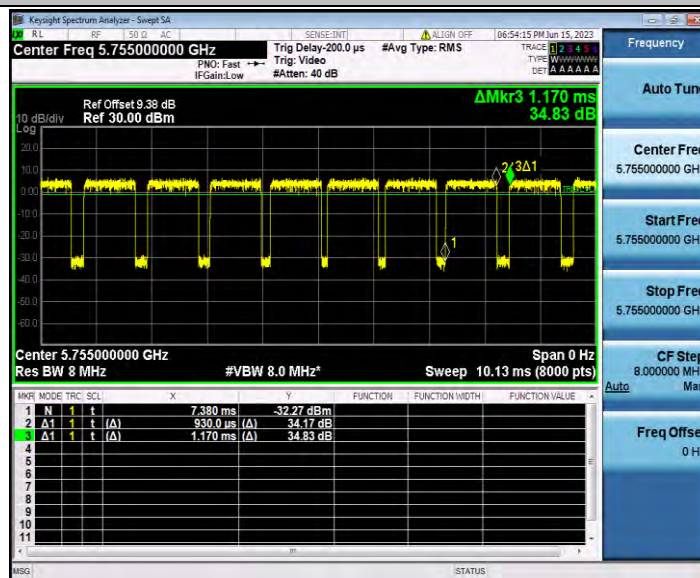
11N20SISO_Ant1_5745



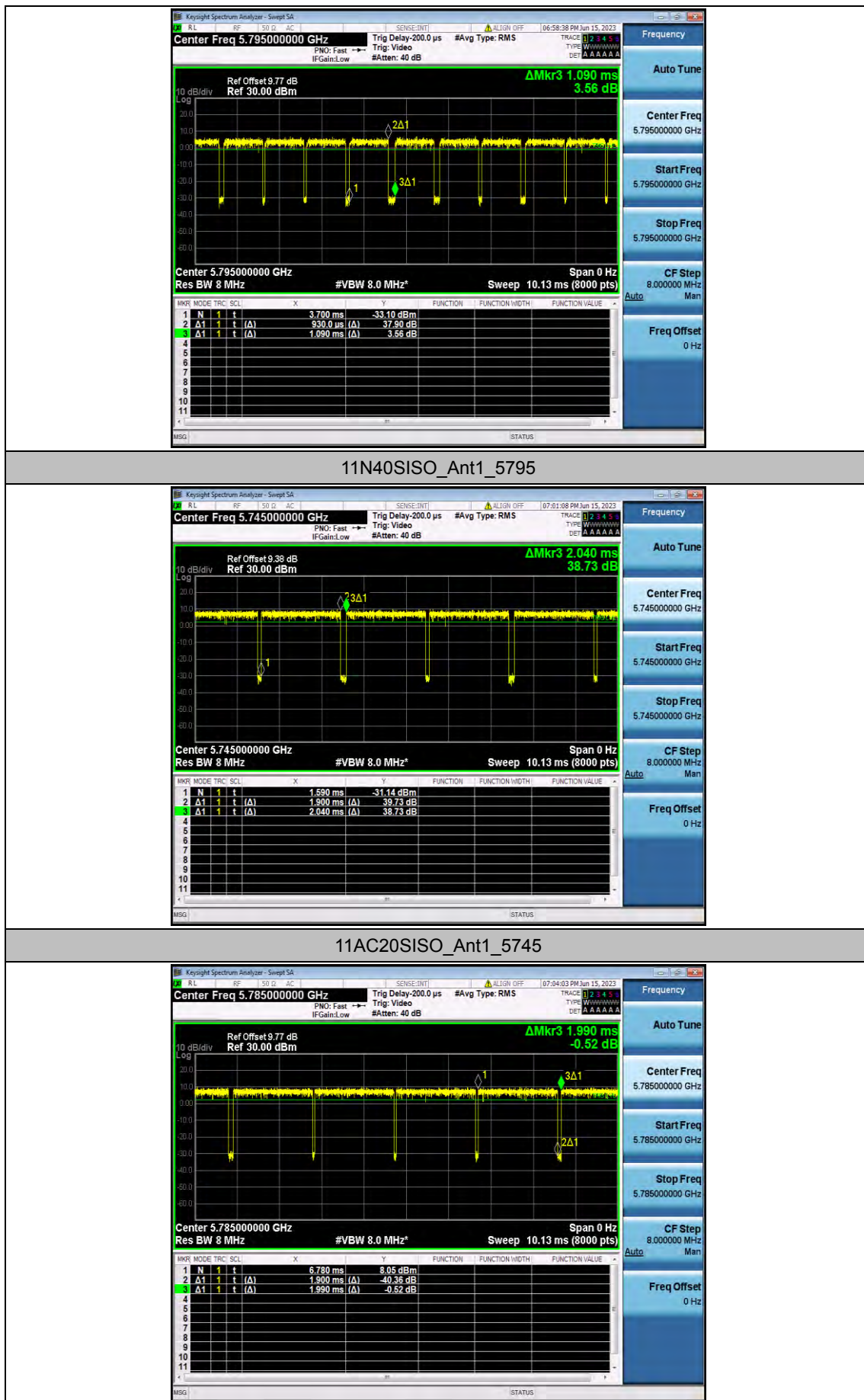
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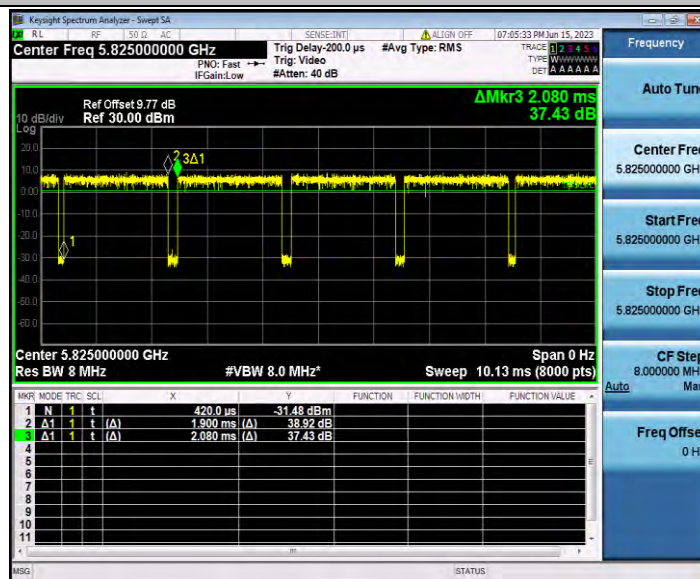
11N20SISO_Ant1_5825



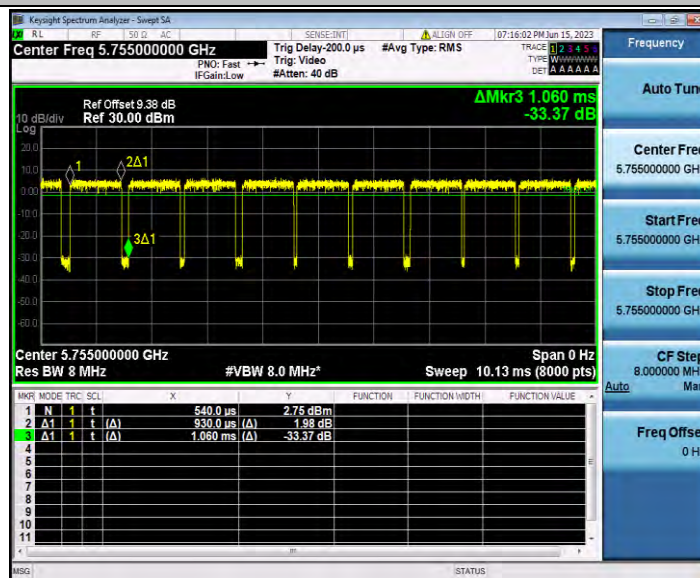
11N40SISO_Ant1_5755



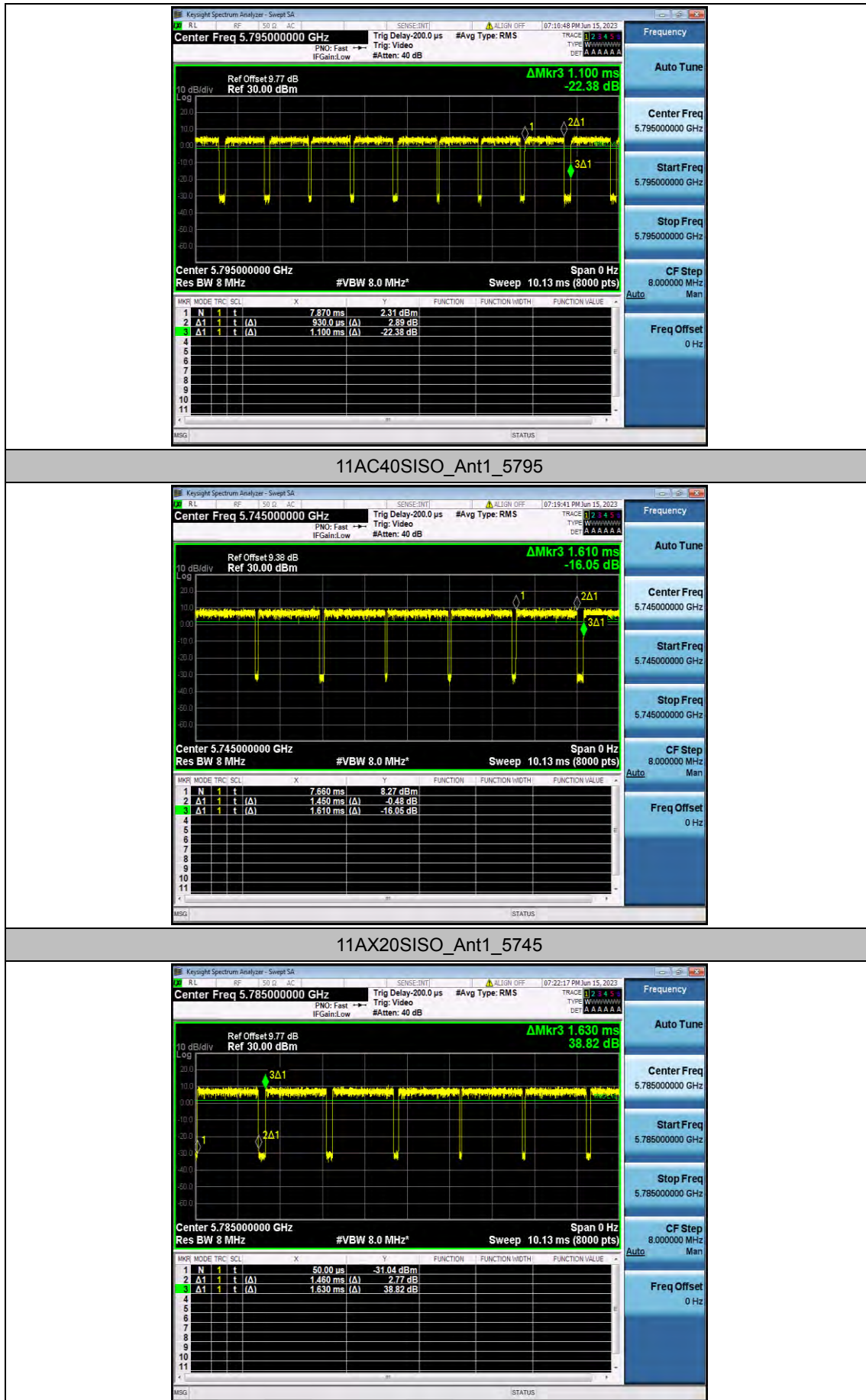
11AC20SISO_Ant1_5785



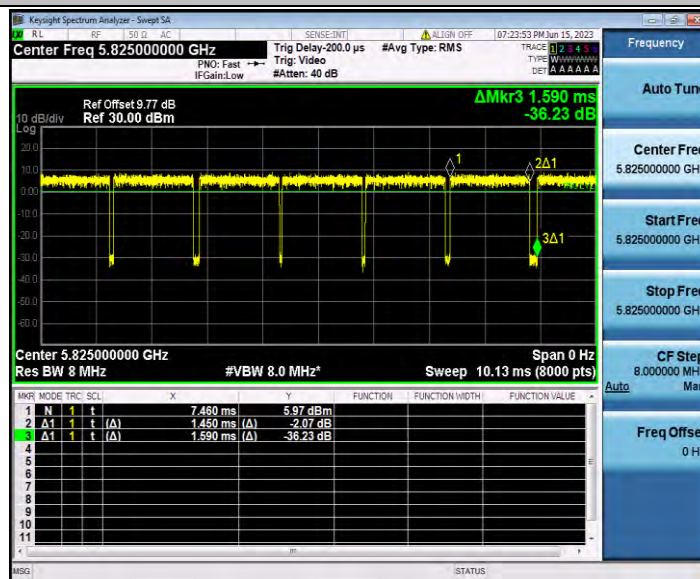
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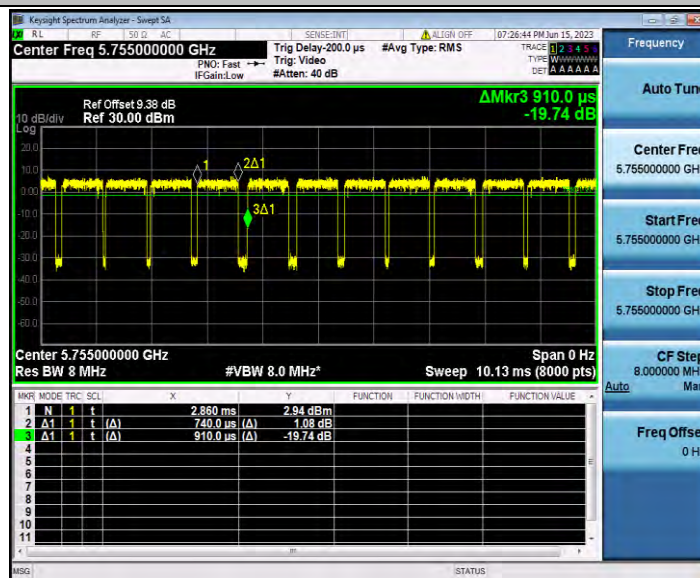
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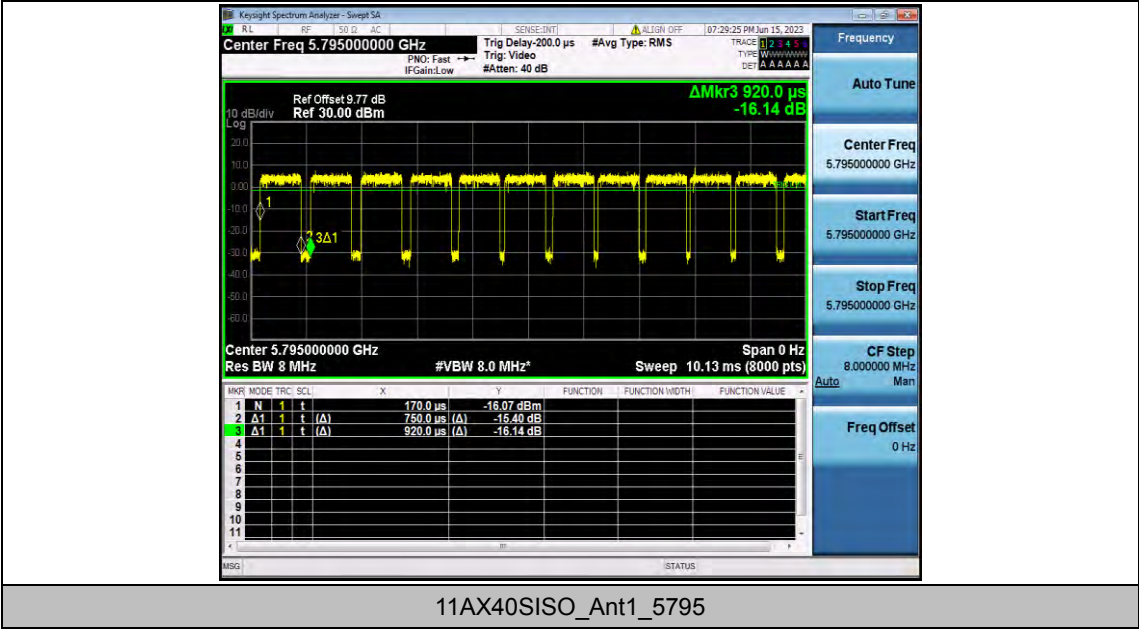
11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



Appendix E.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[MHz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	11.16	95.31	0.21	11.37	≤30.00	PASS
		5785	10.94	94.86	0.23	11.17	≤30.00	PASS
		5825	9.86	93.12	0.31	10.17	≤30.00	PASS
11N20SISO	Ant1	5745	10.97	91.30	0.40	11.37	≤30.00	PASS
		5785	10.40	91.30	0.40	10.80	≤30.00	PASS
		5825	9.23	89.15	0.50	9.73	≤30.00	PASS
11N40SISO	Ant1	5755	10.43	79.49	1.00	11.43	≤30.00	PASS
		5795	10.26	85.32	0.69	10.95	≤30.00	PASS
11AC20SISO	Ant1	5745	10.87	93.14	0.31	11.18	≤30.00	PASS
		5785	10.67	95.48	0.20	10.87	≤30.00	PASS
		5825	9.31	91.35	0.39	9.70	≤30.00	PASS
11AC40SISO	Ant1	5755	10.27	87.74	0.57	10.84	≤30.00	PASS
		5795	10.01	84.55	0.73	10.74	≤30.00	PASS
11AX20SISO	Ant1	5745	10.58	90.06	0.45	11.03	≤30.00	PASS
		5785	10.75	89.57	0.48	11.23	≤30.00	PASS
		5825	9.34	91.19	0.40	9.74	≤30.00	PASS
11AX40SISO	Ant1	5755	10.21	81.32	0.90	11.11	≤30.00	PASS
		5795	10.08	81.52	0.89	10.97	≤30.00	PASS

Note: The Duty Cycle Factor is compensated in the graph.

Appendix E.5: Maximum power spectral density

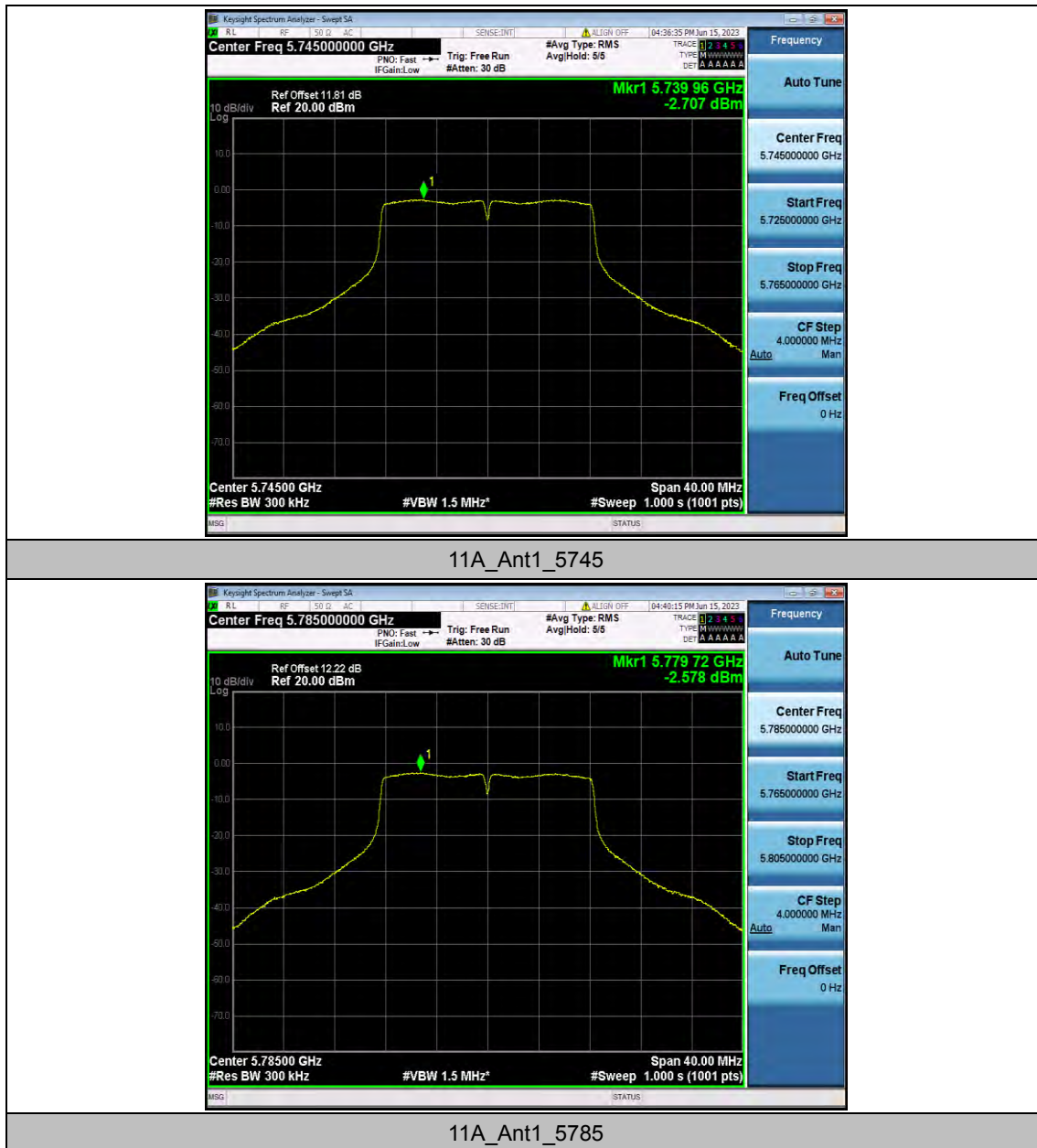
Test Result

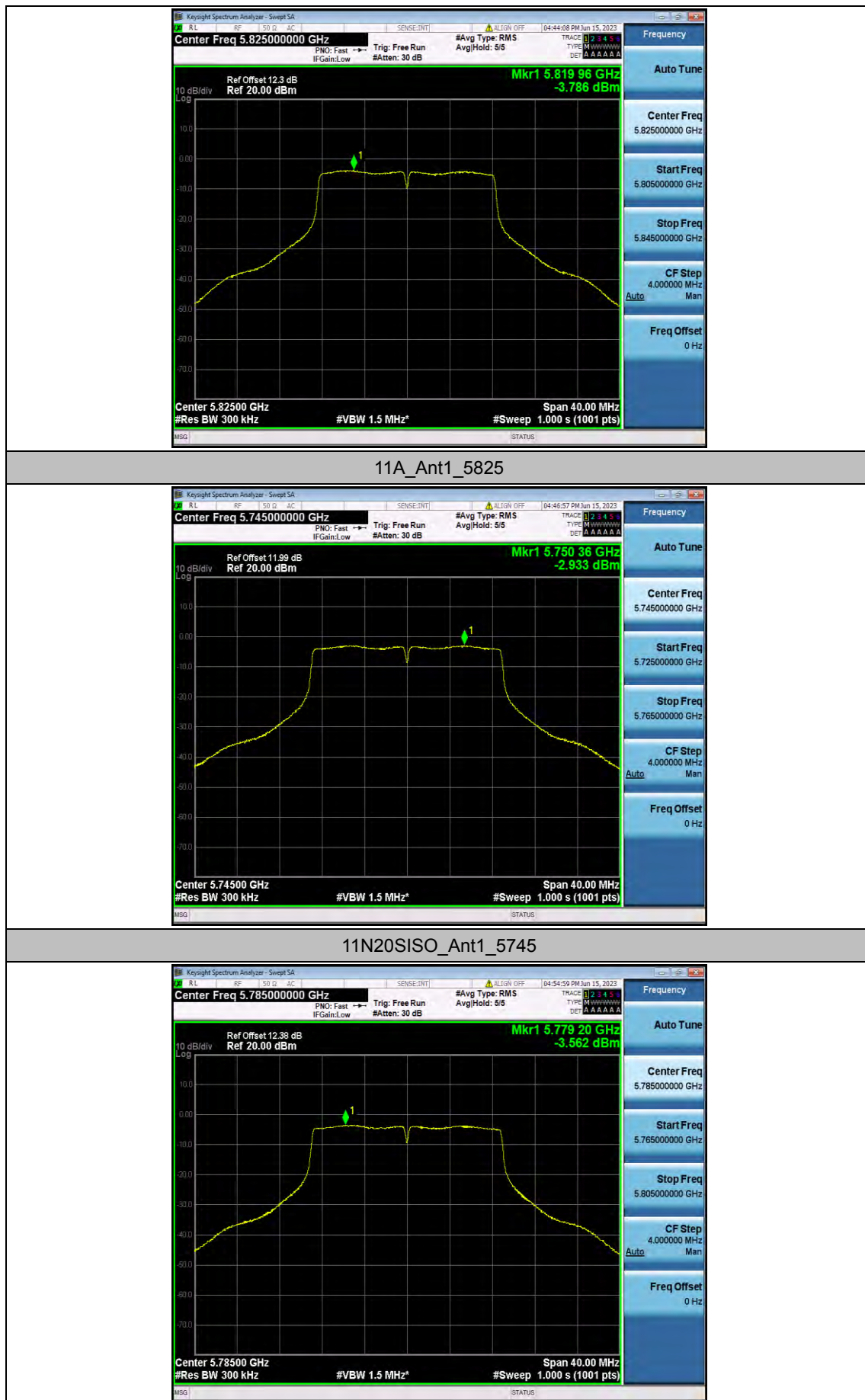
Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-2.71	≤30.00	PASS
		5785	-2.58	≤30.00	PASS
		5825	-3.79	≤30.00	PASS
11N20SISO	Ant1	5745	-2.93	≤30.00	PASS
		5785	-3.56	≤30.00	PASS
		5825	-4.61	≤30.00	PASS
11N40SISO	Ant1	5755	-6.09	≤30.00	PASS
		5795	-6.41	≤30.00	PASS
11AC20SISO	Ant1	5745	-3.27	≤30.00	PASS
		5785	-3.15	≤30.00	PASS
		5825	-4.5	≤30.00	PASS
11AC40SISO	Ant1	5755	-6.82	≤30.00	PASS
		5795	-6.55	≤30.00	PASS
11AX20SISO	Ant1	5745	-3.59	≤30.00	PASS
		5785	-3.44	≤30.00	PASS
		5825	-4.74	≤30.00	PASS
11AX40SISO	Ant1	5755	-6.68	≤30.00	PASS
		5795	-6.51	≤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

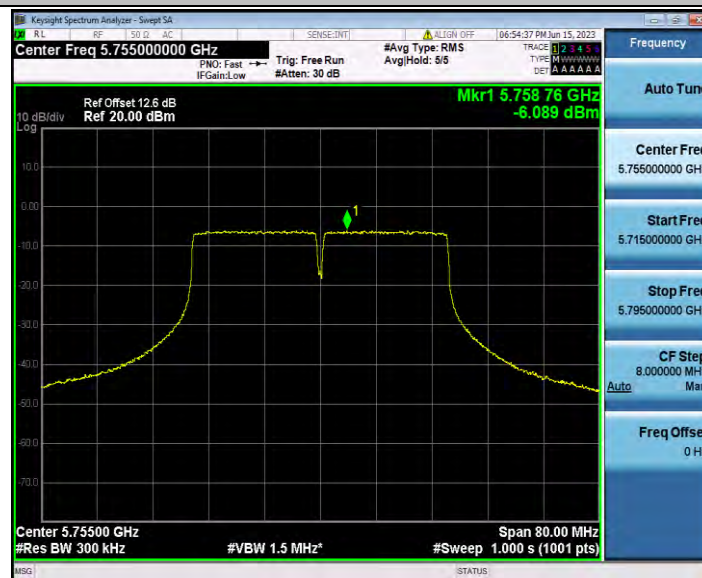




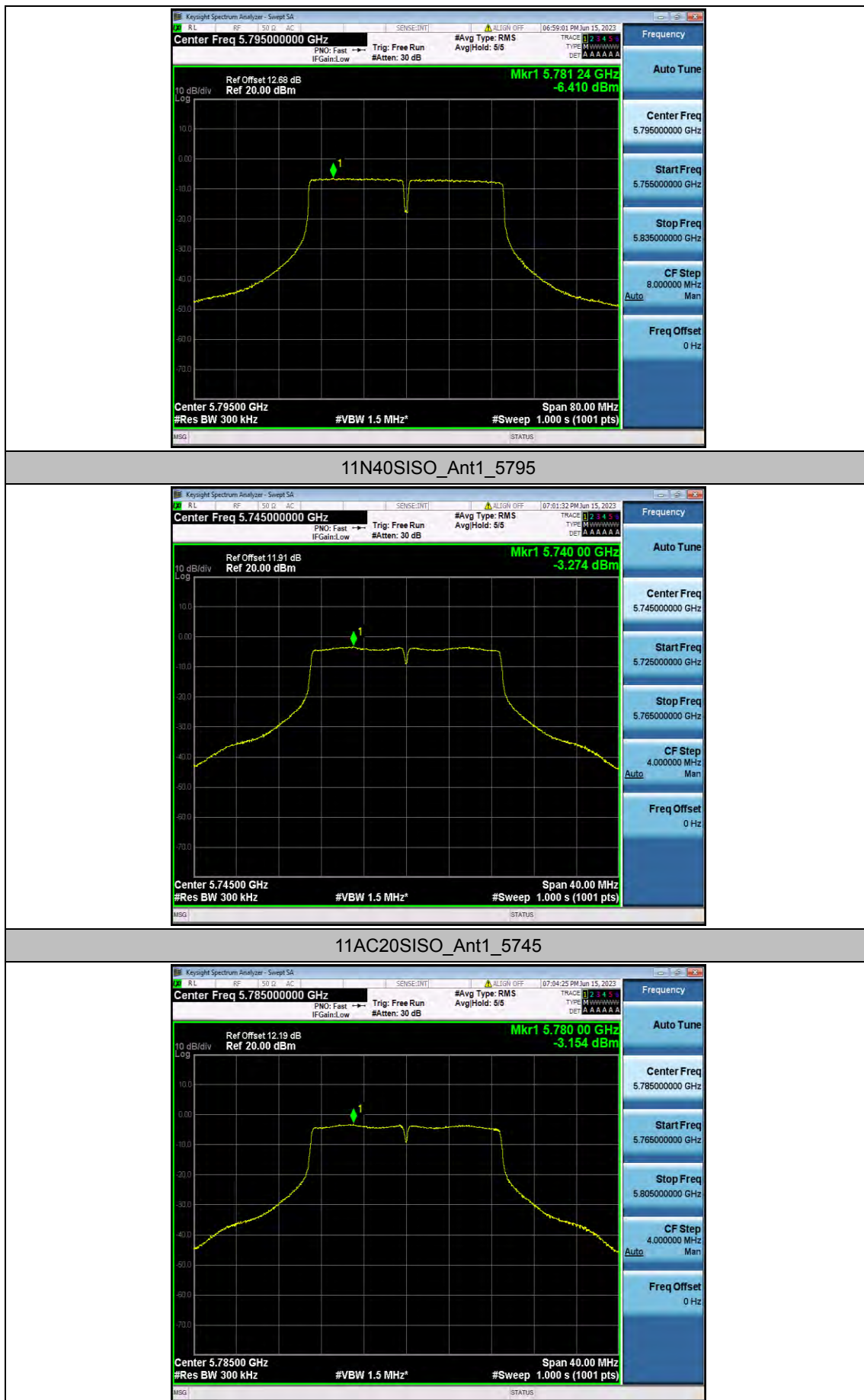
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



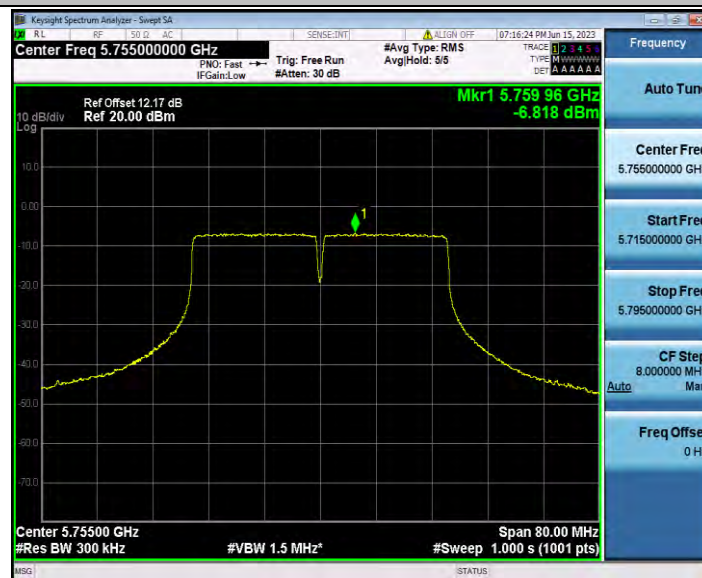
11N40SISO_Ant1_5755



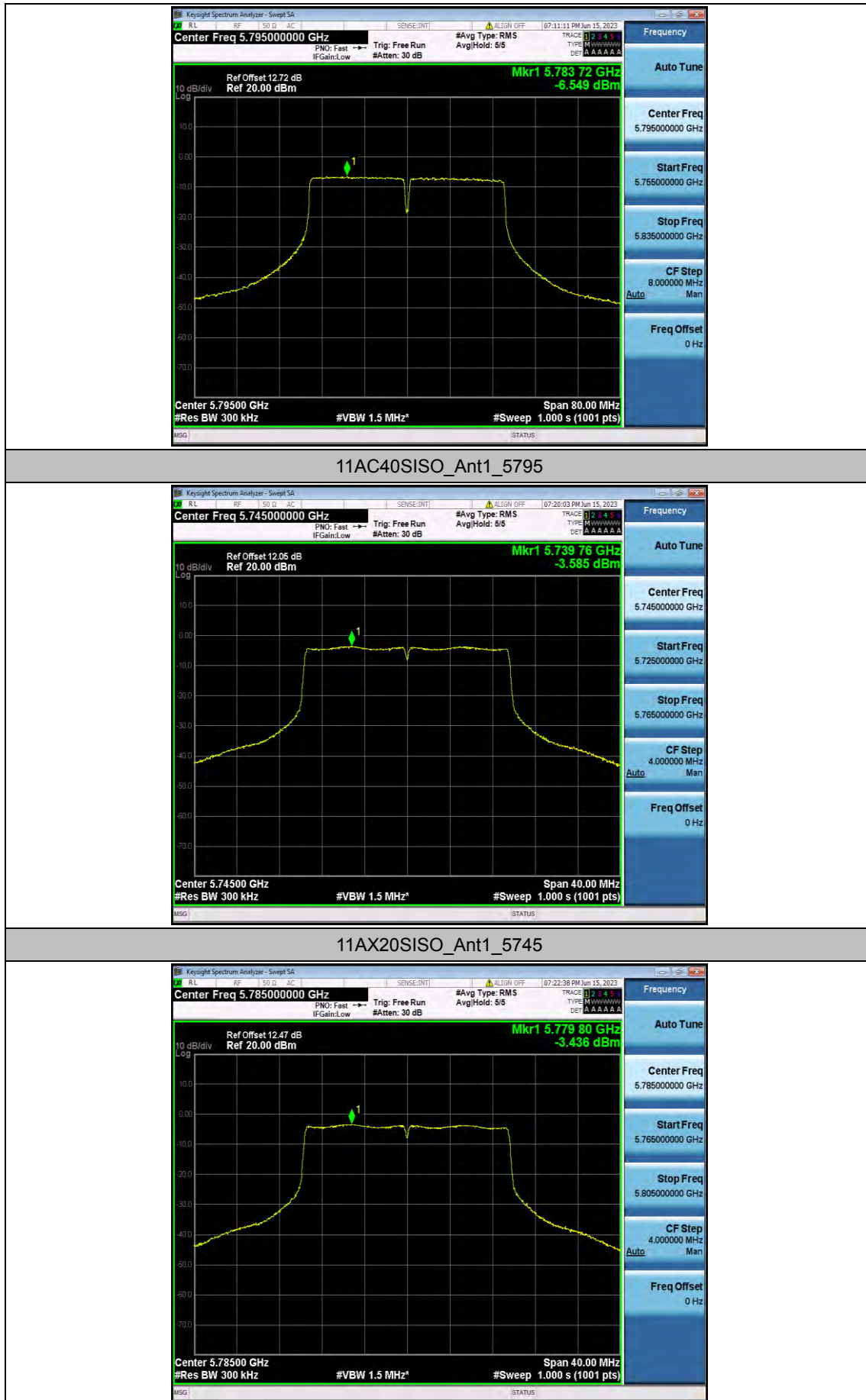
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755

