

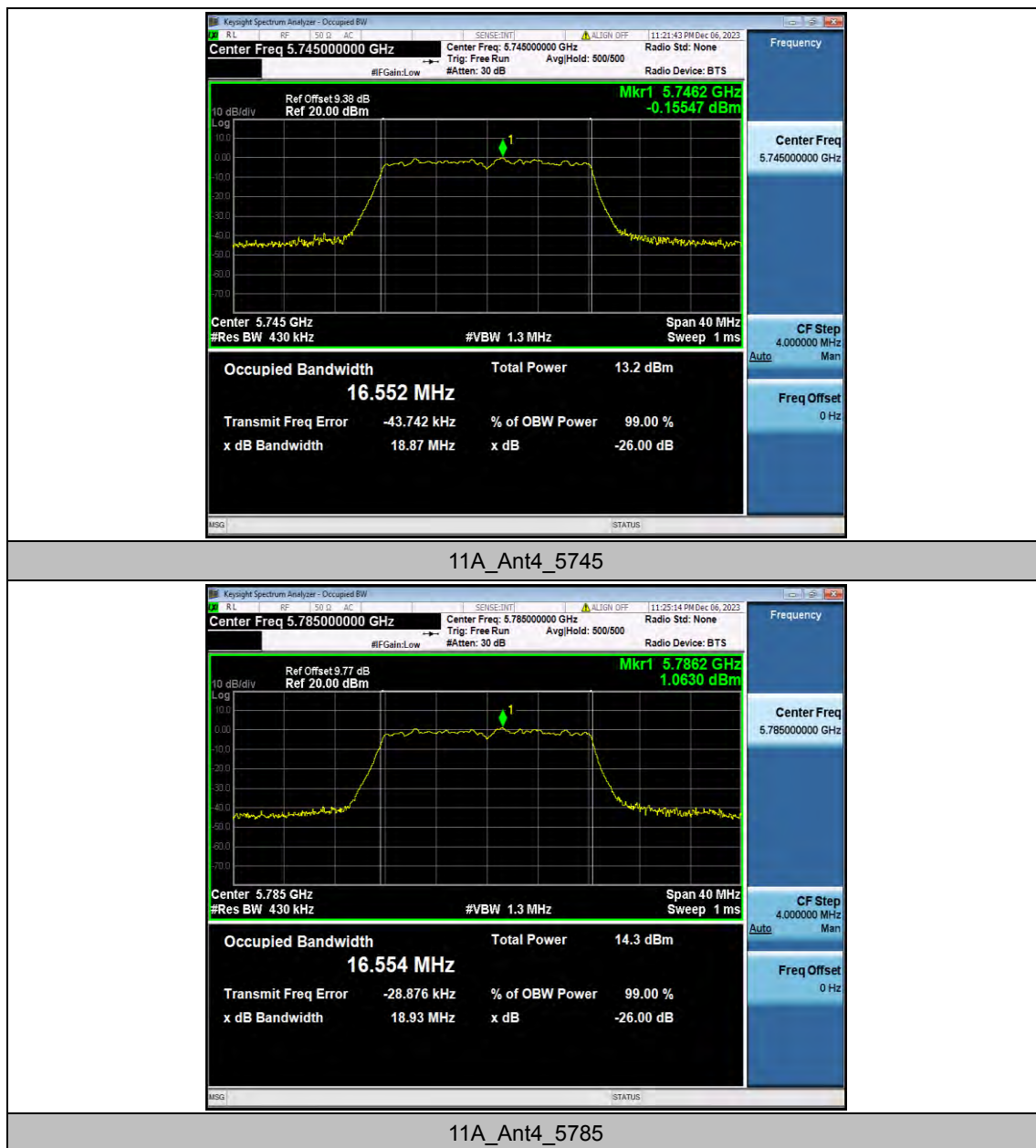
Case No. : <u>GTS20231012003-1-5</u>	
Ambient Condition: <u>24</u> °C, <u>48</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.12.6</u>	Test Engineer: <u>Evan ouyang</u>

Appendix E.1: Occupied channel bandwidth

Test Result

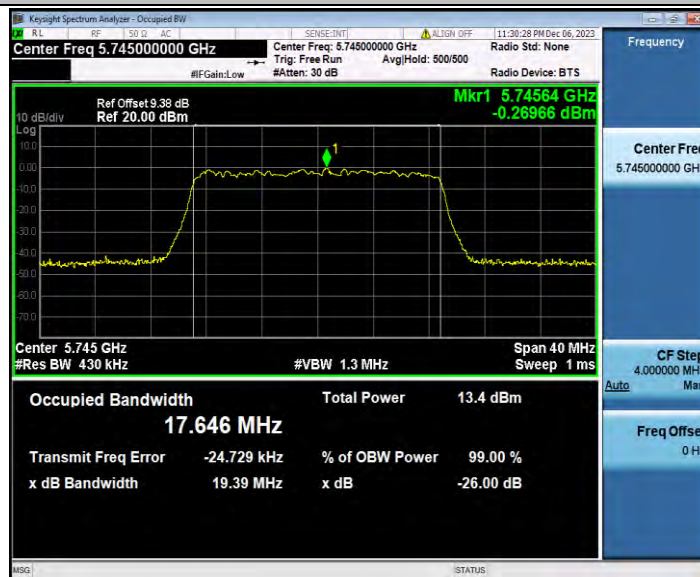
Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant4	5745	16.552	5736.680	5753.232	---	---
		5785	16.554	5776.694	5793.248	---	---
		5825	16.559	5816.685	5833.244	---	---
11N20SISO	Ant4	5745	17.646	5736.152	5753.798	---	---
		5785	17.642	5776.160	5793.802	---	---
		5825	17.643	5816.164	5833.807	---	---
11N40SISO	Ant4	5755	36.287	5736.809	5773.096	---	---
		5795	36.266	5776.817	5813.083	---	---
11AC20SISO	Ant4	5745	17.715	5736.094	5753.809	---	---
		5785	17.713	5776.100	5793.813	---	---
		5825	17.721	5816.098	5833.819	---	---
11AC40SISO	Ant4	5755	36.281	5736.823	5773.104	---	---
		5795	36.250	5776.835	5813.085	---	---
11AC80SISO	Ant4	5775	77.039	5736.397	5813.436	---	---

Test Graphs

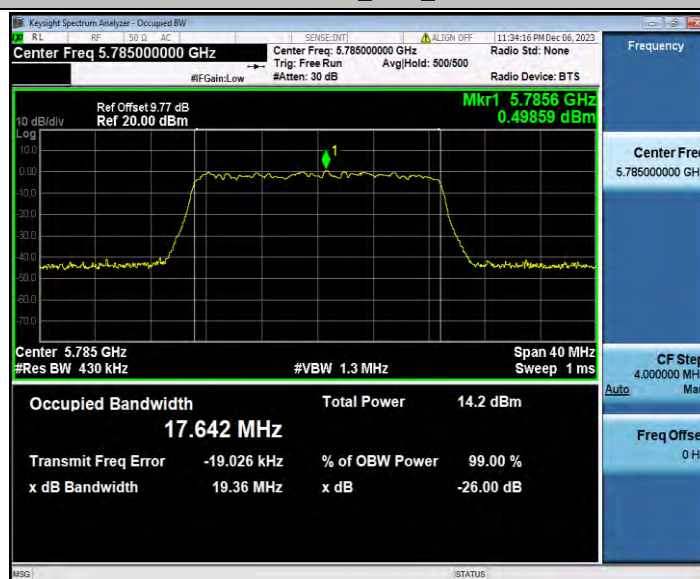




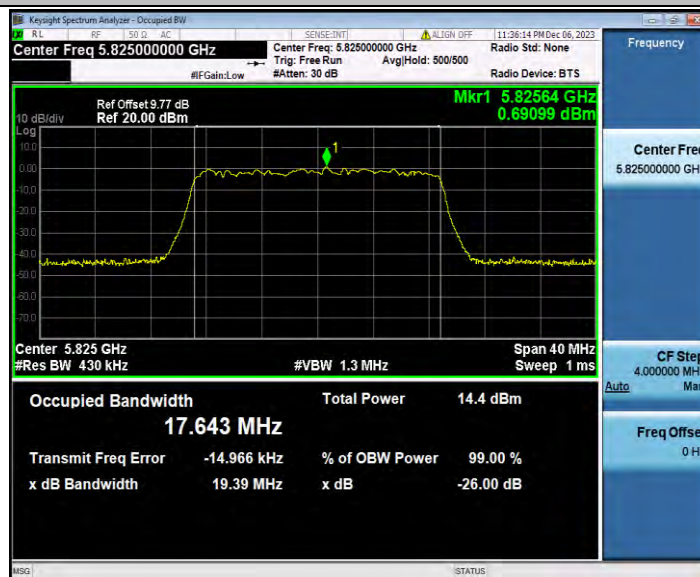
11A_Ant4_5825



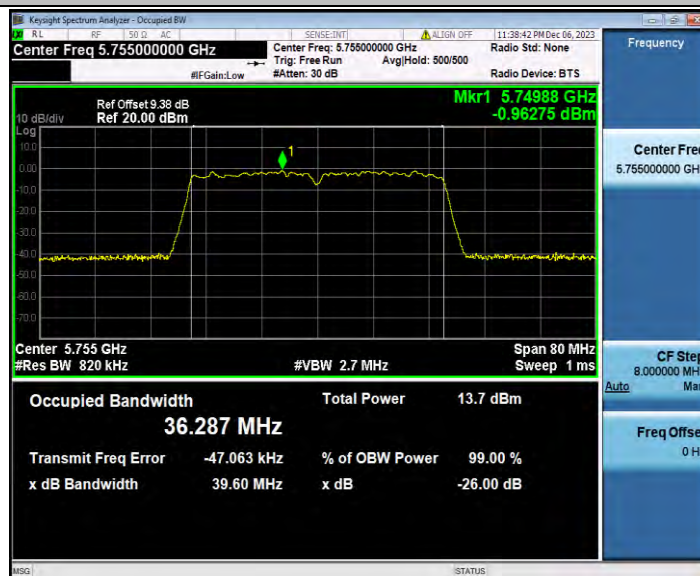
11N20SISO_Ant4_5745



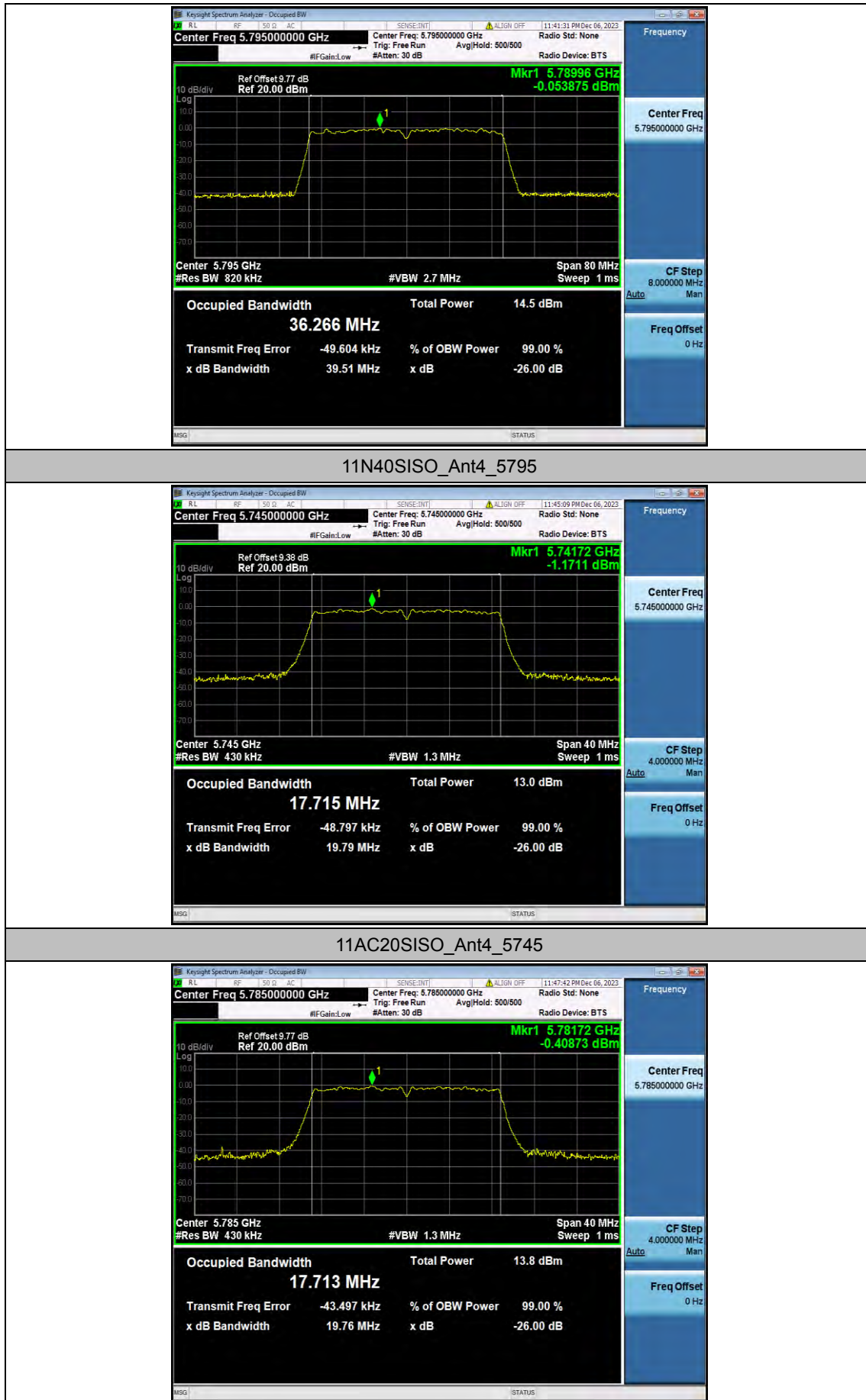
11N20SISO_Ant4_5785



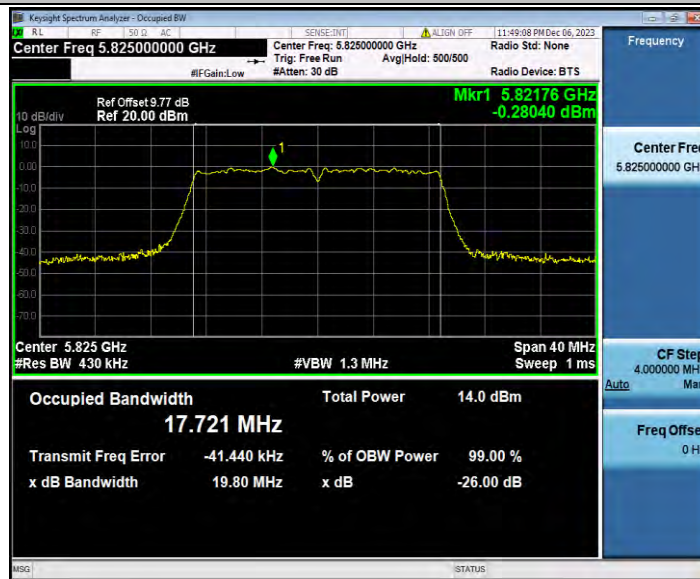
11N20SISO_Ant4_5825



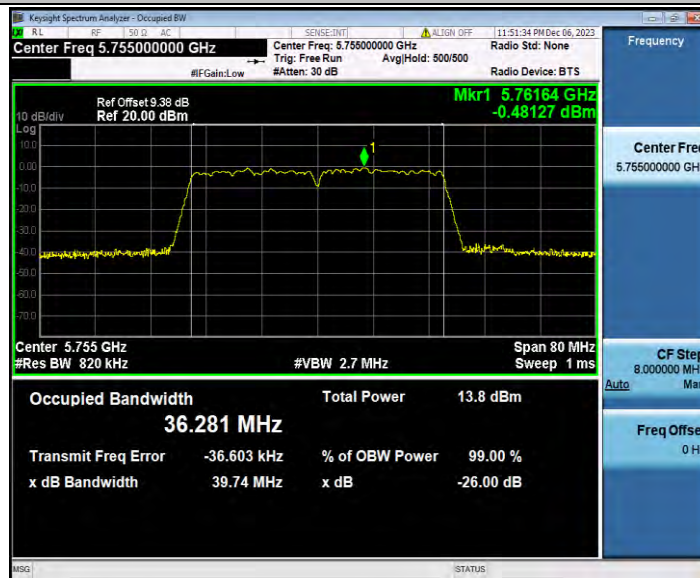
11N40SISO_Ant4_5755



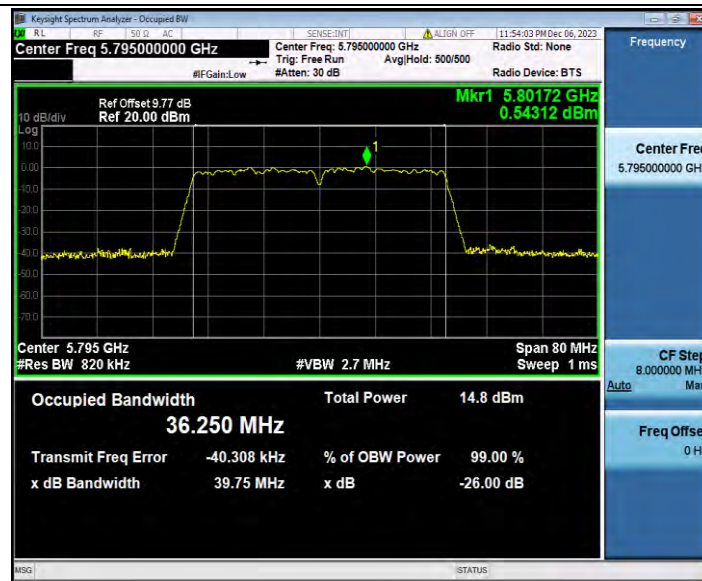
11AC20SISO_Ant4_5785



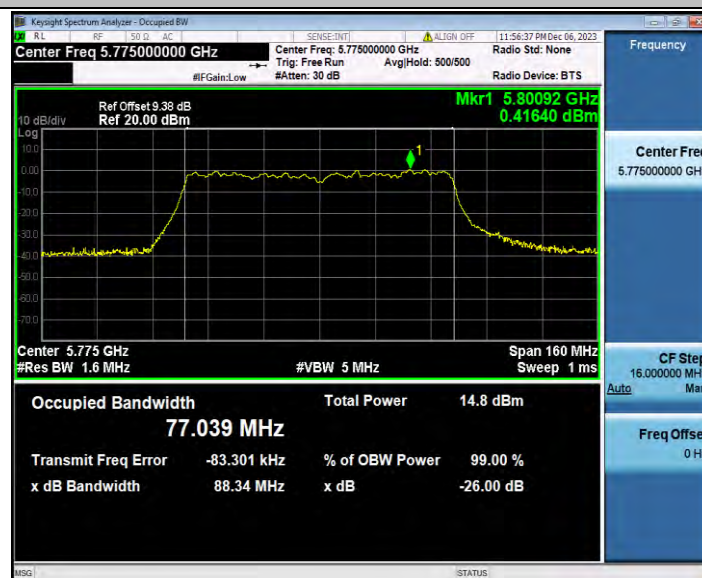
11AC20SISO_Ant4_5825



11AC40SISO_Ant4_5755



11AC40SISO_Ant4_5795



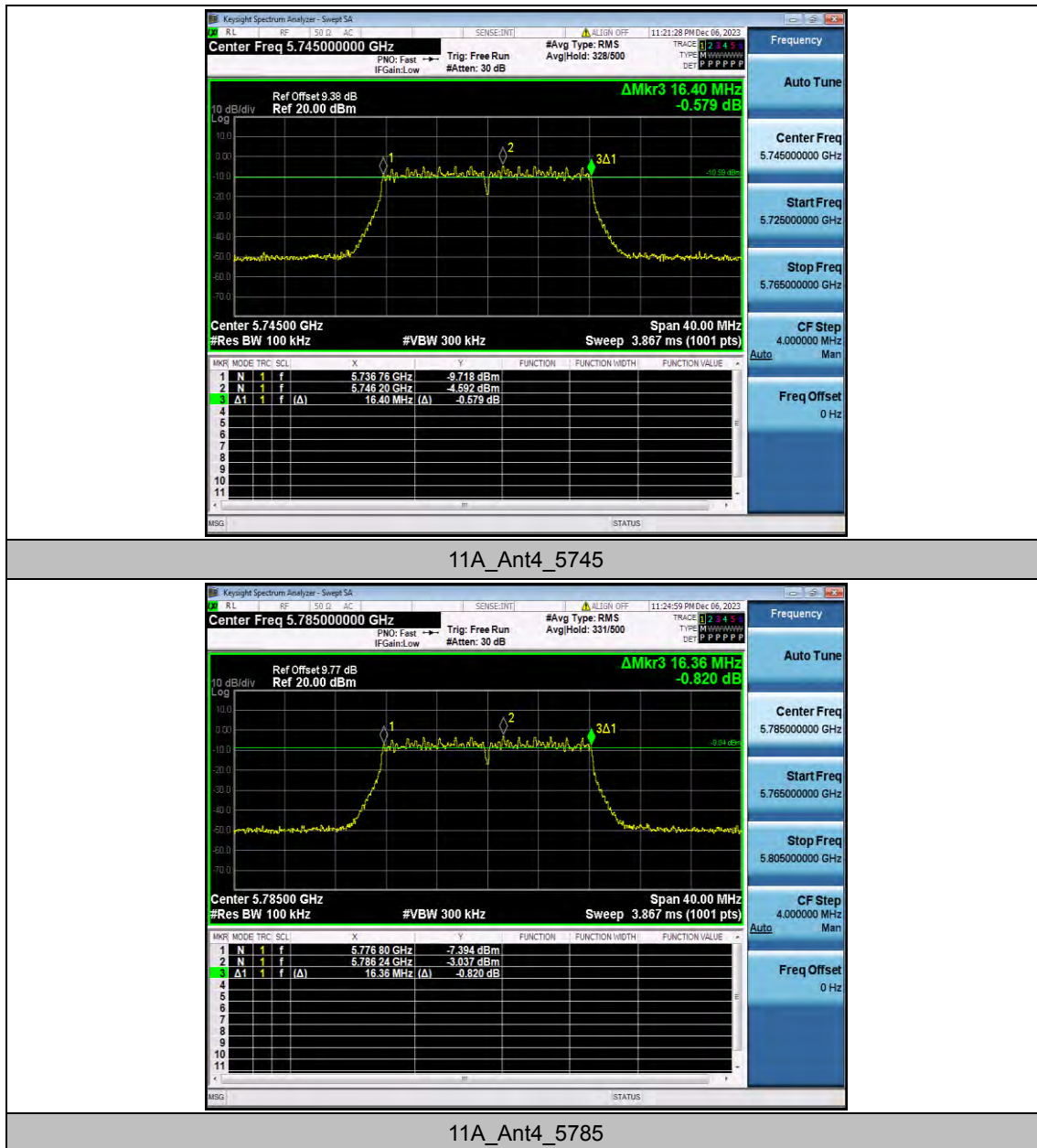
11AC80SISO_Ant4_5775

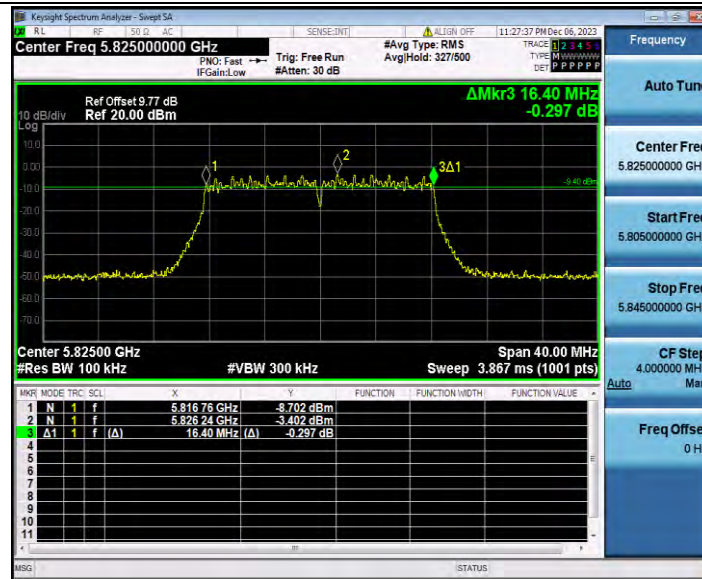
Appendix E.2: Min emission bandwidth

Test Result B4

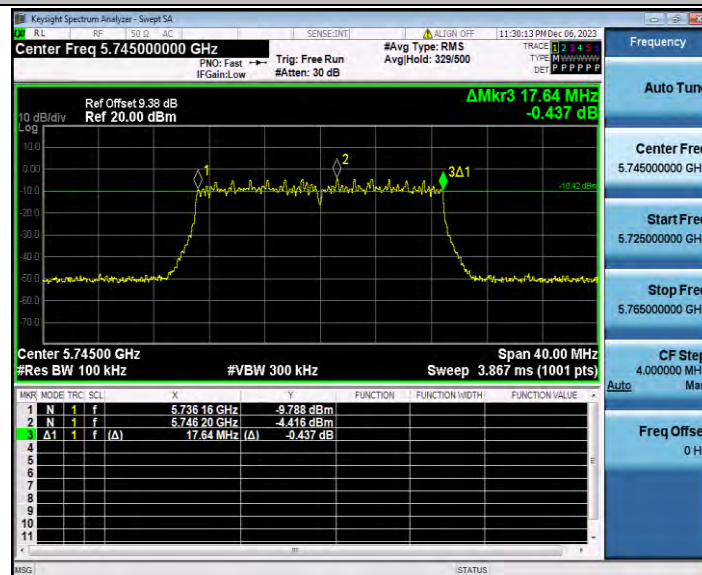
Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant4	5745	16.400	5736.760	5753.160	0.5	PASS
		5785	16.360	5776.800	5793.160	0.5	PASS
		5825	16.400	5816.760	5833.160	0.5	PASS
11N20SISO	Ant4	5745	17.640	5736.160	5753.800	0.5	PASS
		5785	17.600	5776.160	5793.760	0.5	PASS
		5825	17.640	5816.160	5833.800	0.5	PASS
11N40SISO	Ant4	5755	36.000	5736.840	5772.840	0.5	PASS
		5795	36.000	5776.840	5812.840	0.5	PASS
11AC20SISO	Ant4	5745	17.520	5736.160	5753.680	0.5	PASS
		5785	17.520	5776.160	5793.680	0.5	PASS
		5825	17.520	5816.160	5833.680	0.5	PASS
11AC40SISO	Ant4	5755	35.840	5736.760	5772.600	0.5	PASS
		5795	35.840	5776.760	5812.600	0.5	PASS
11AC80SISO	Ant4	5775	75.840	5737.240	5813.080	0.5	PASS

Test Graphs B4

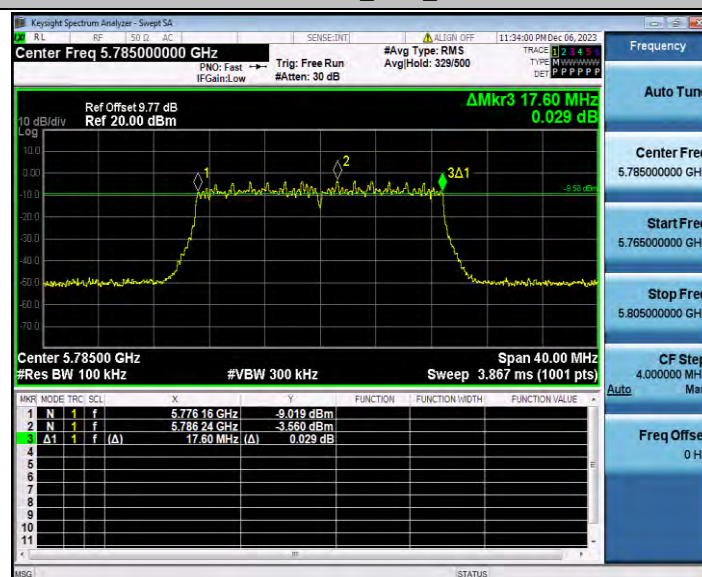




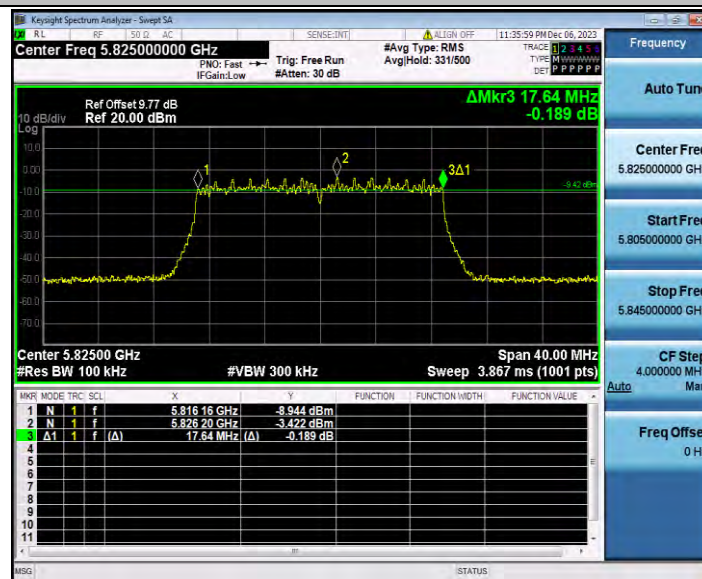
11A_Ant4_5825



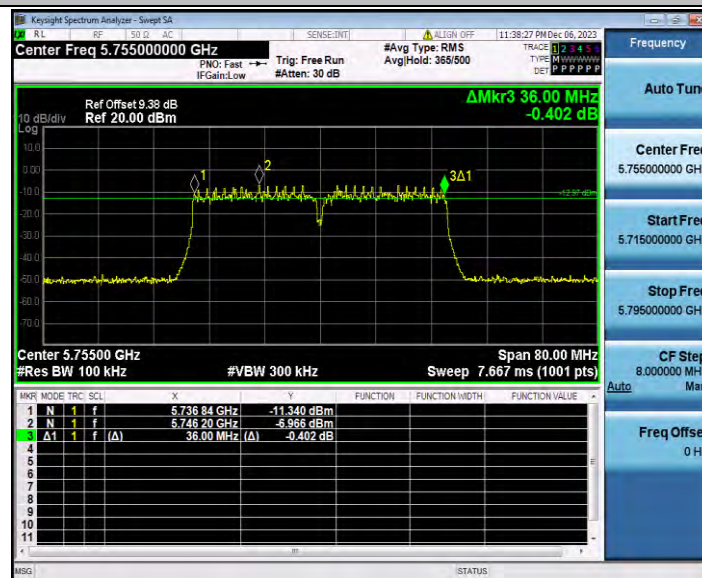
11N20SISO_Ant4_5745



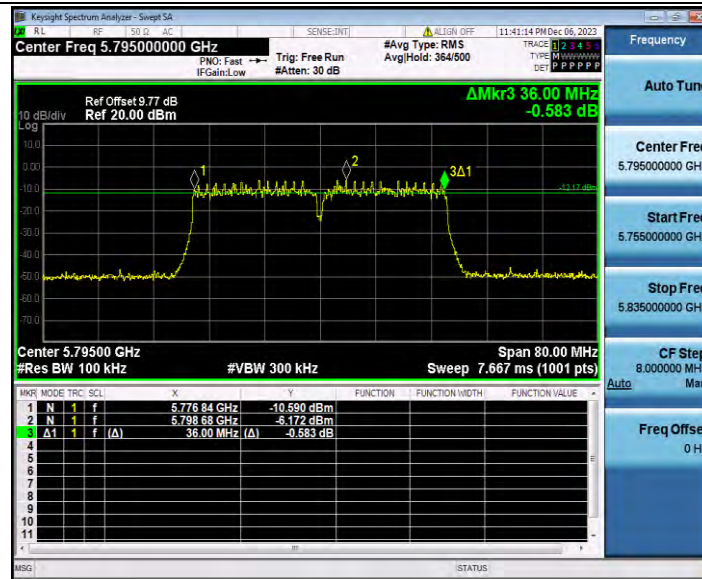
11N20SISO_Ant4_5785



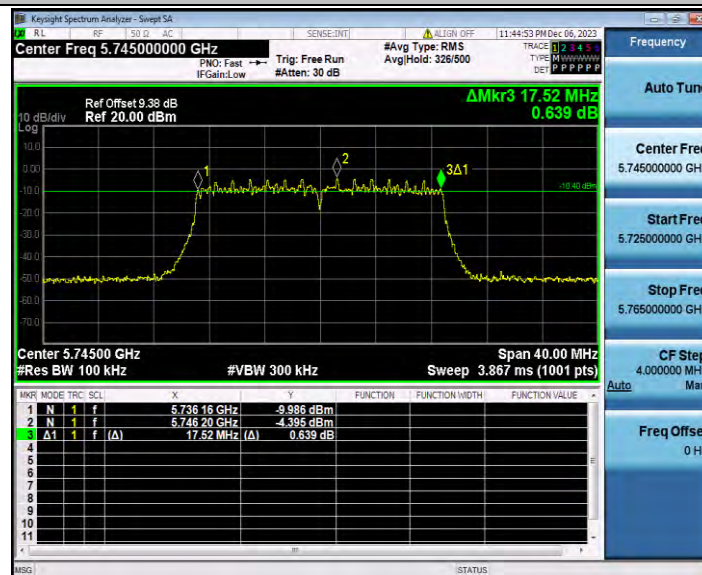
11N20SISO_Ant4_5825



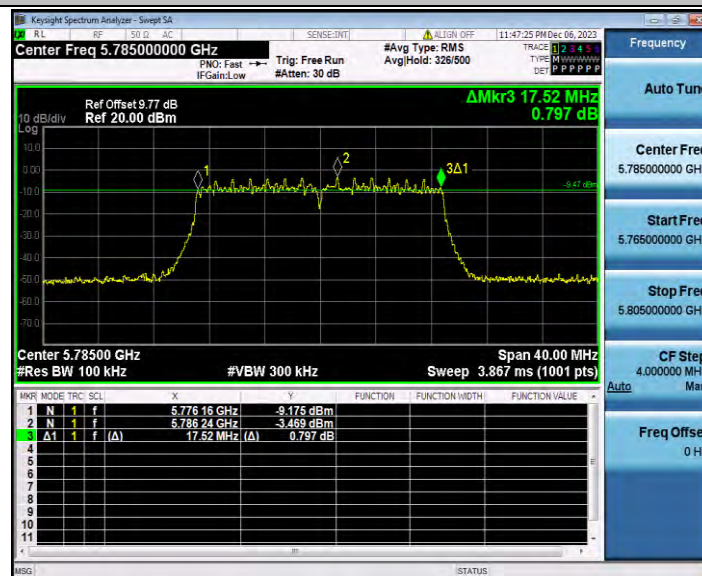
11N40SISO_Ant4_5755



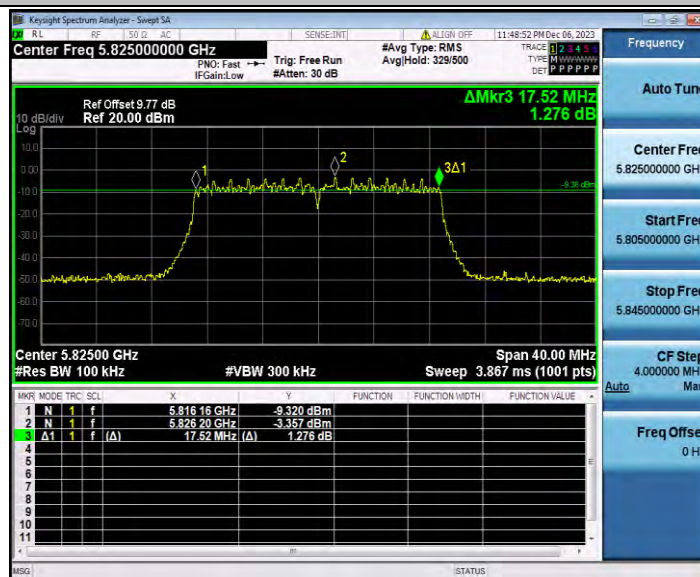
11N40SISO_Ant4_5795



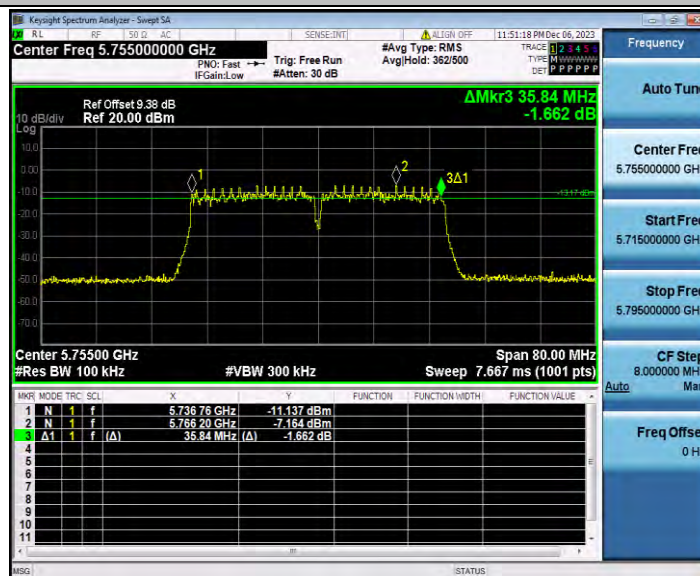
11AC20SISO_Ant4_5745



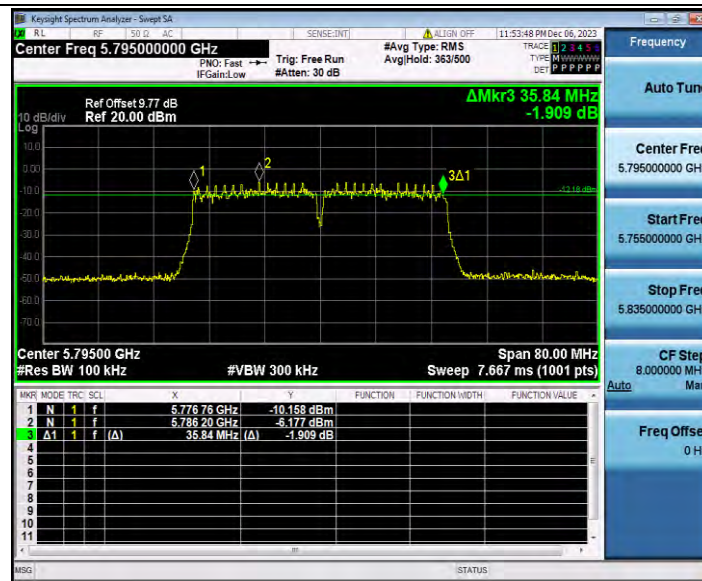
11AC20SISO_Ant4_5785



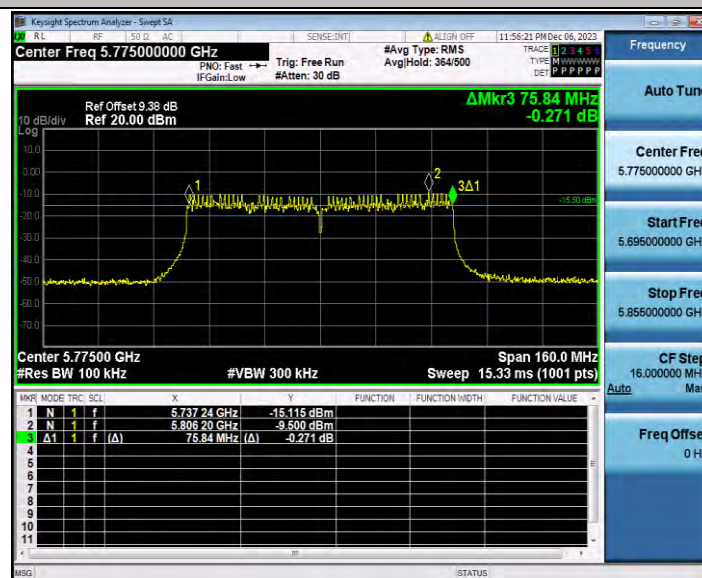
11AC20SISO_Ant4_5825



11AC40SISO_Ant4_5755



11AC40SISO_Ant4_5795



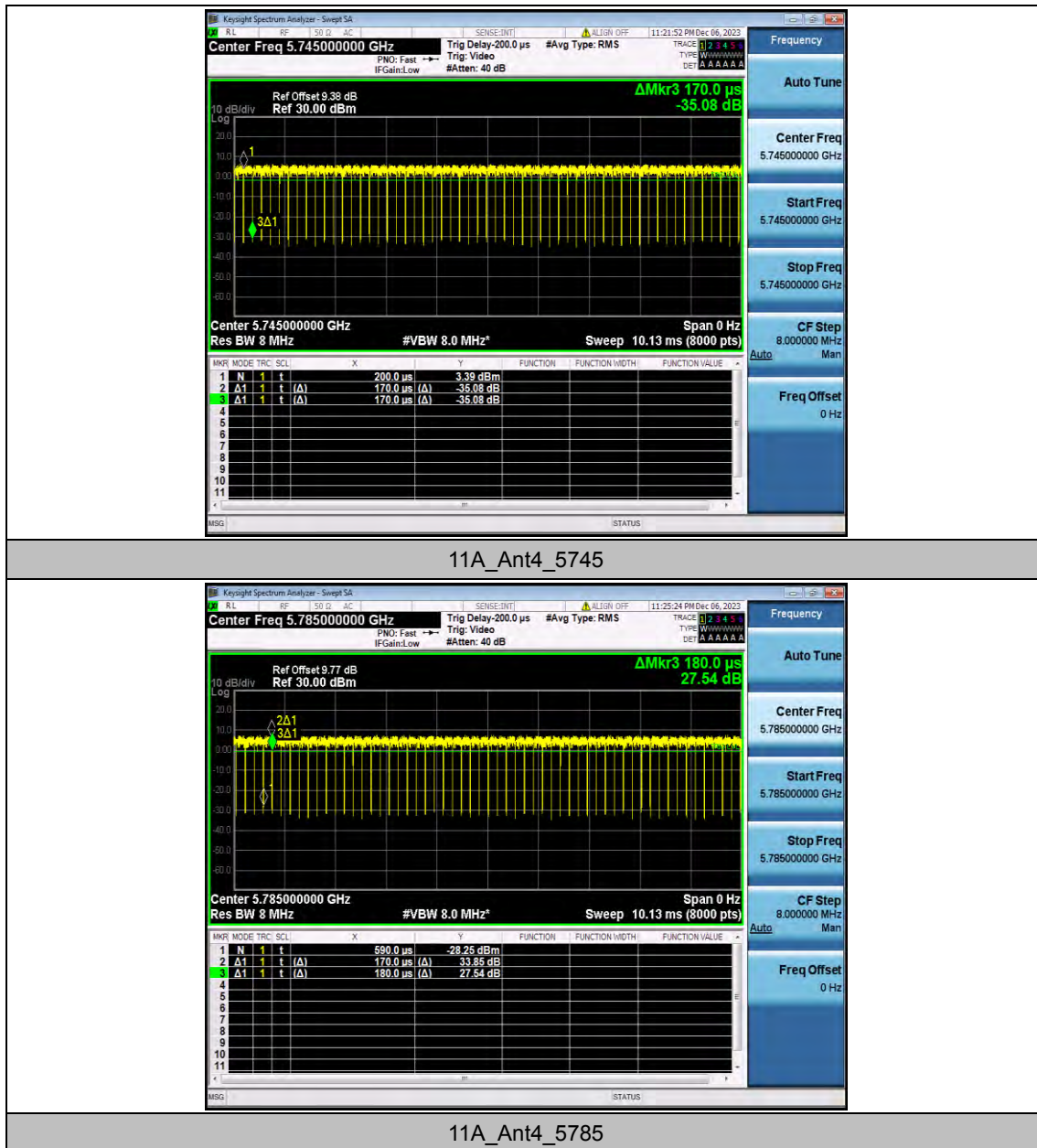
11AC80SISO_Ant4_5775

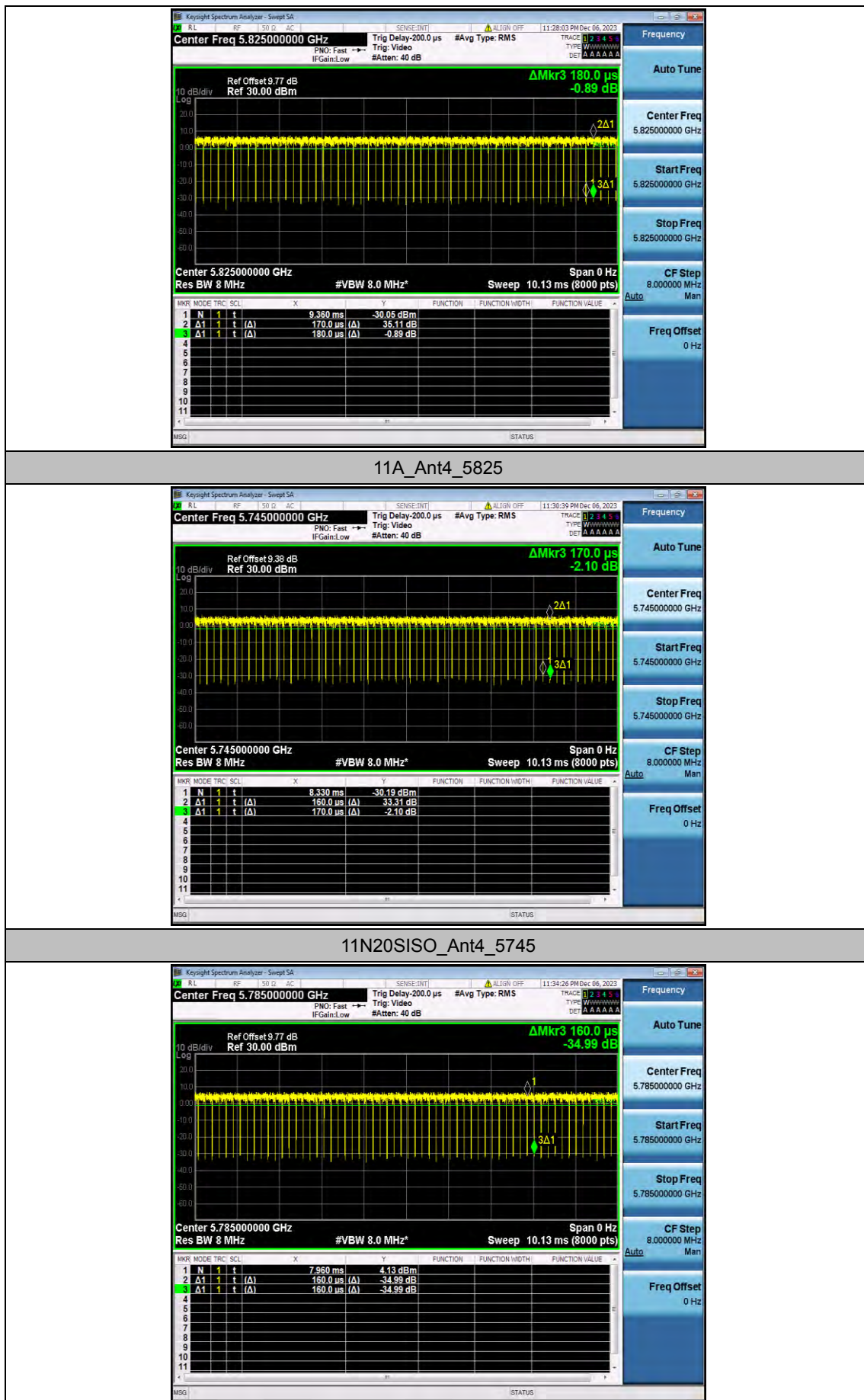
Appendix E.3: Duty Cycle

Test Result

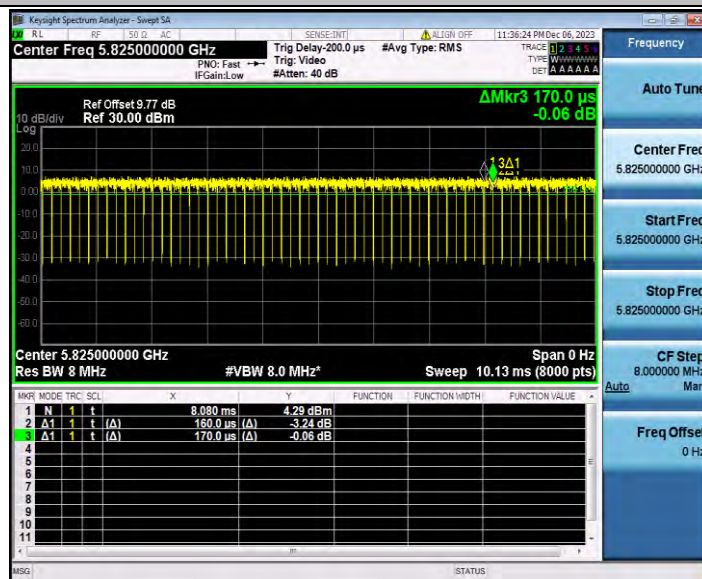
Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant4	5745	0.17	0.17	100.00
		5785	0.17	0.18	94.44
		5825	0.17	0.18	94.44
11N20SISO	Ant4	5745	0.16	0.17	94.12
		5785	0.16	0.16	100.00
		5825	0.16	0.17	94.12
11N40SISO	Ant4	5755	0.09	0.10	90.00
		5795	0.10	0.10	100.00
11AC20SISO	Ant4	5745	0.14	0.15	93.33
		5785	0.14	0.14	100.00
		5825	0.14	0.14	100.00
11AC40SISO	Ant4	5755	0.09	0.10	90.00
		5795	0.09	0.10	90.00
11AC80SISO	Ant4	5775	0.06	0.07	85.71

Test Graphs

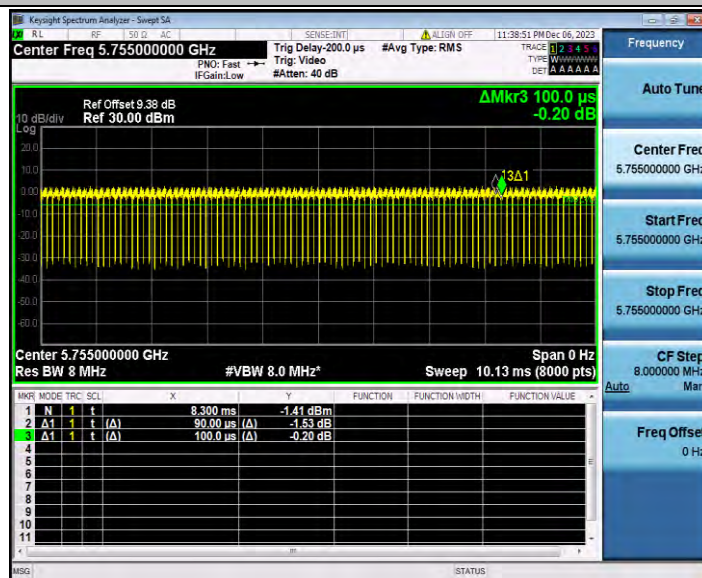




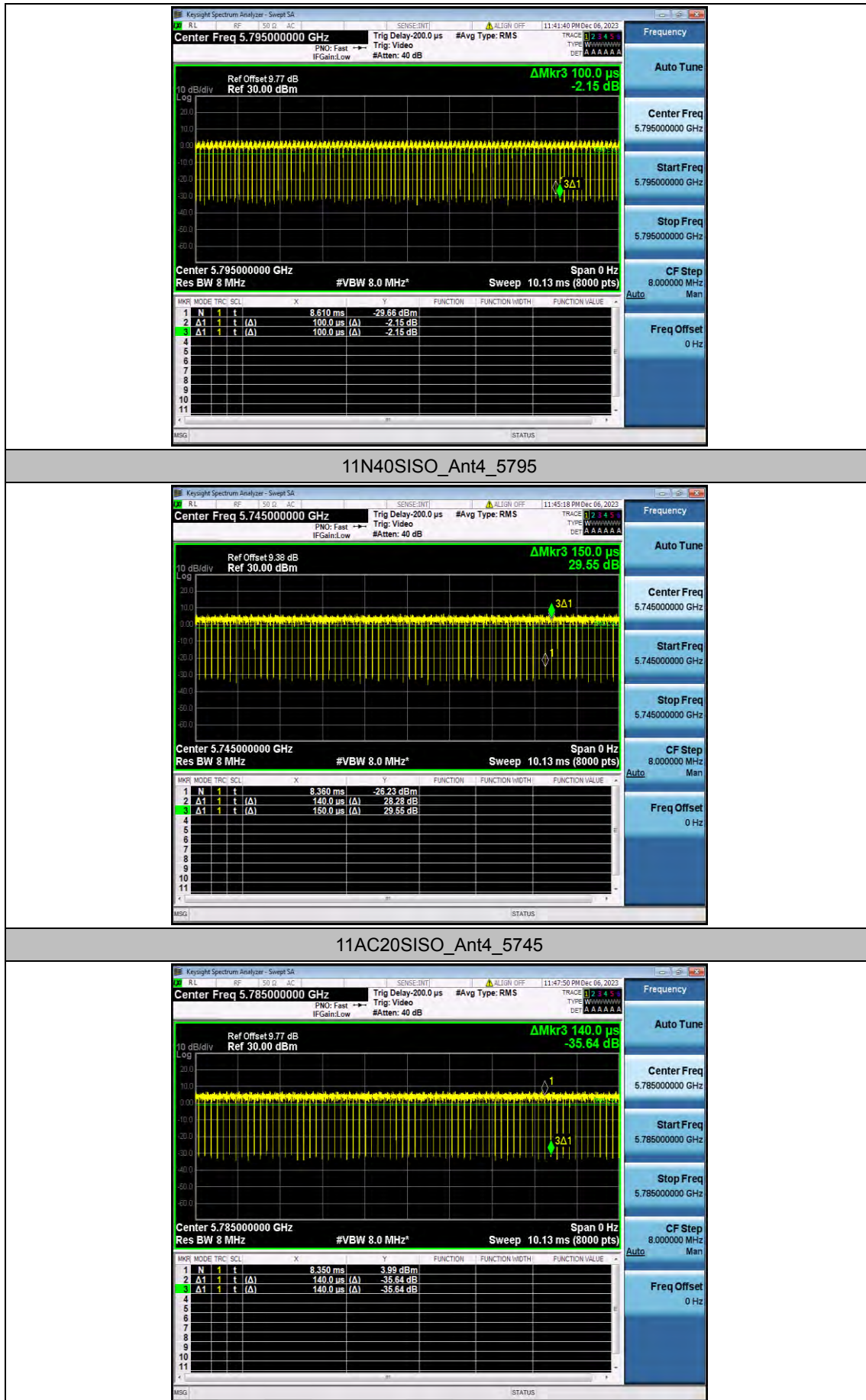
11N20SISO_Ant4_5785

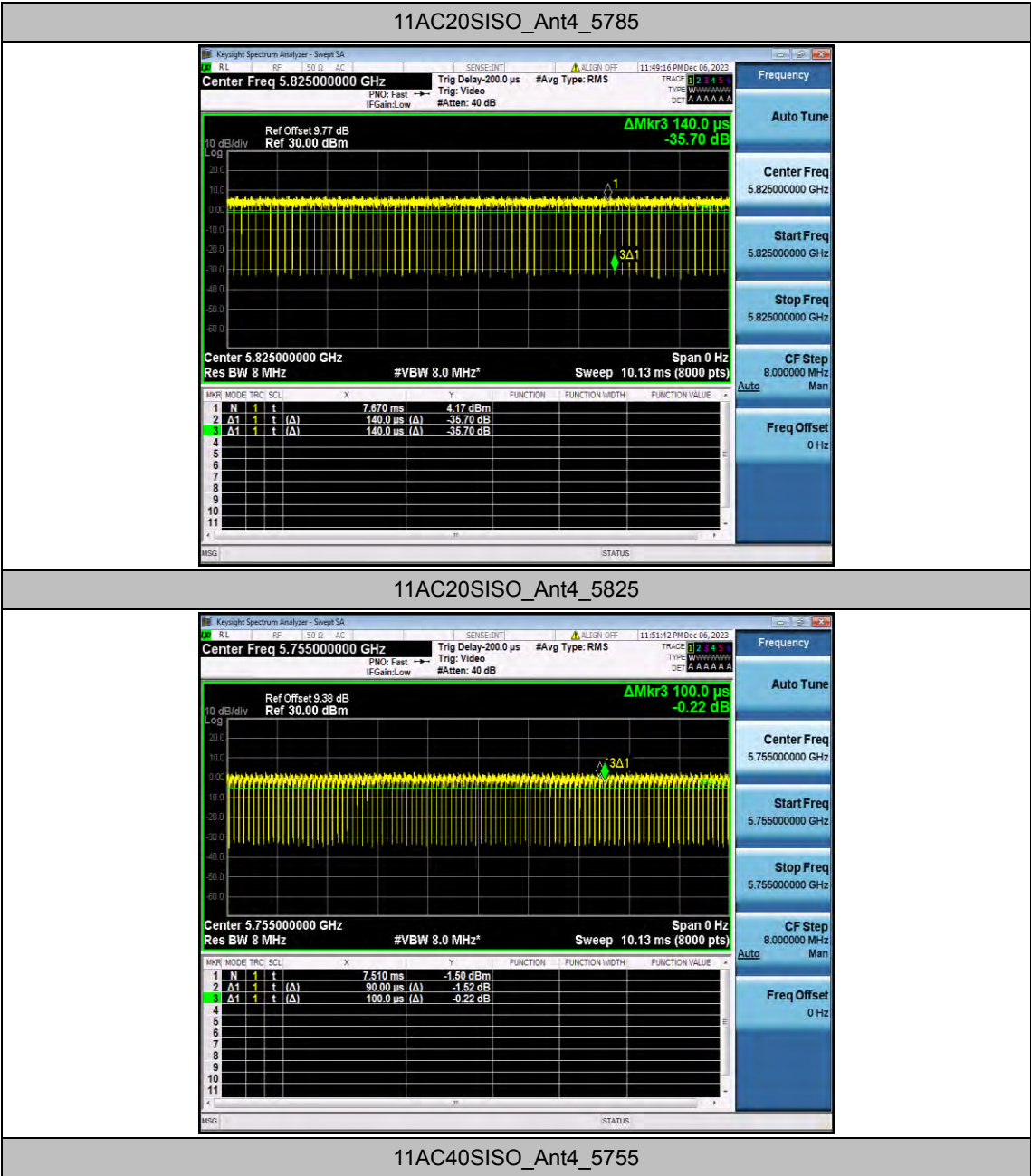


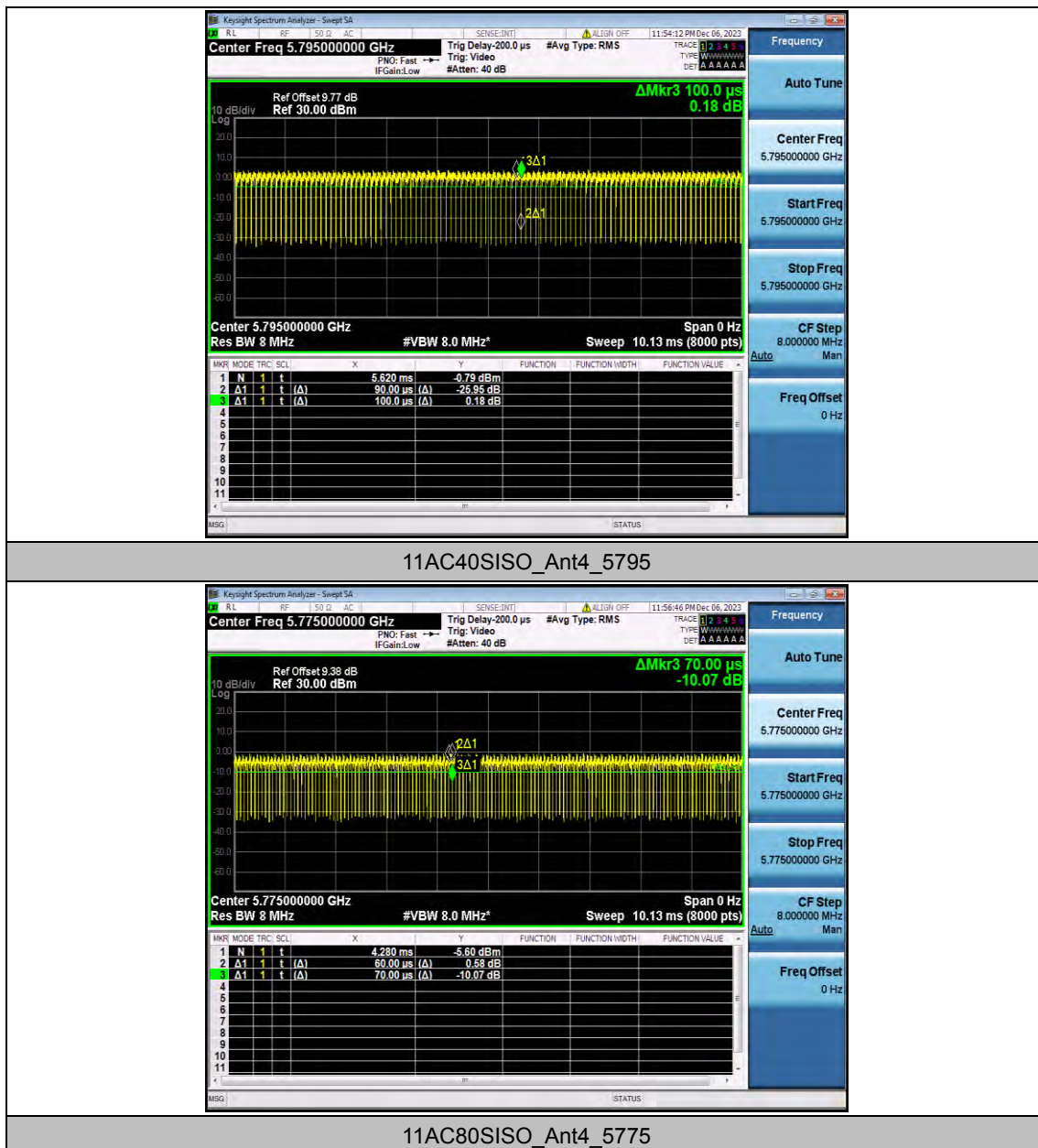
11N20SISO_Ant4_5825



11N40SISO_Ant4_5755







Appendix E.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[M Hz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant4	5745	6.16	100.00	0.00	6.16	≤30.00	PASS
		5785	7.21	94.44	0.25	7.46	≤30.00	PASS
		5825	7.26	94.44	0.25	7.51	≤30.00	PASS
11N20SISO	Ant4	5745	6.40	94.12	0.26	6.66	≤30.00	PASS
		5785	7.18	100.00	0.00	7.18	≤30.00	PASS
		5825	7.37	94.12	0.26	7.63	≤30.00	PASS
11N40SISO	Ant4	5755	6.38	90.00	0.46	6.84	≤30.00	PASS
		5795	7.31	100.00	0.00	7.31	≤30.00	PASS
11AC20SISO	Ant4	5745	6.34	93.33	0.30	6.64	≤30.00	PASS
		5785	7.23	100.00	0.00	7.23	≤30.00	PASS
		5825	7.41	100.00	0.00	7.41	≤30.00	PASS
11AC40SISO	Ant4	5755	6.33	90.00	0.46	6.79	≤30.00	PASS
		5795	7.28	90.00	0.46	7.74	≤30.00	PASS
11AC80SISO	Ant4	5775	6.66	85.71	0.67	7.33	≤30.00	PASS

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

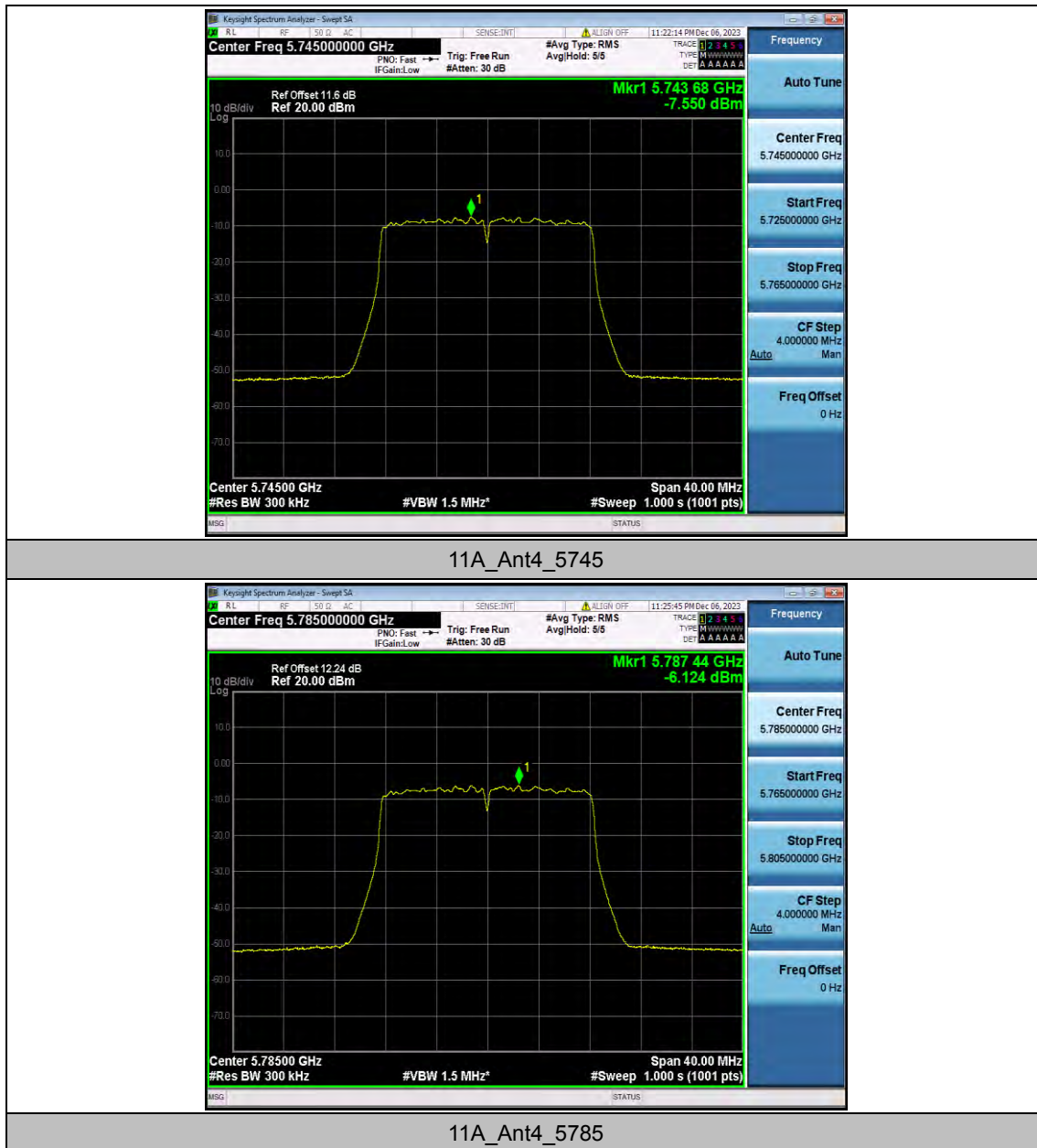
Appendix E.5: Maximum power spectral density

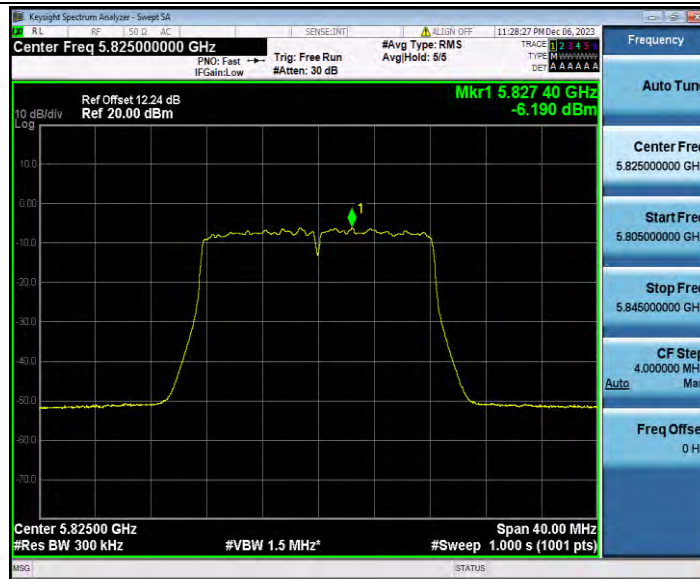
Test Result

Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant4	5745	-7.55	≤30.00	PASS
		5785	-6.12	≤30.00	PASS
		5825	-6.19	≤30.00	PASS
11N20SISO	Ant4	5745	-6.77	≤30.00	PASS
		5785	-6.04	≤30.00	PASS
		5825	-5.79	≤30.00	PASS
11N40SISO	Ant4	5755	-9.4	≤30.00	PASS
		5795	-8.81	≤30.00	PASS
11AC20SISO	Ant4	5745	-7.11	≤30.00	PASS
		5785	-6.44	≤30.00	PASS
		5825	-6.34	≤30.00	PASS
11AC40SISO	Ant4	5755	-8.95	≤30.00	PASS
		5795	-7.92	≤30.00	PASS
11AC80SISO	Ant4	5775	-11.13	≤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

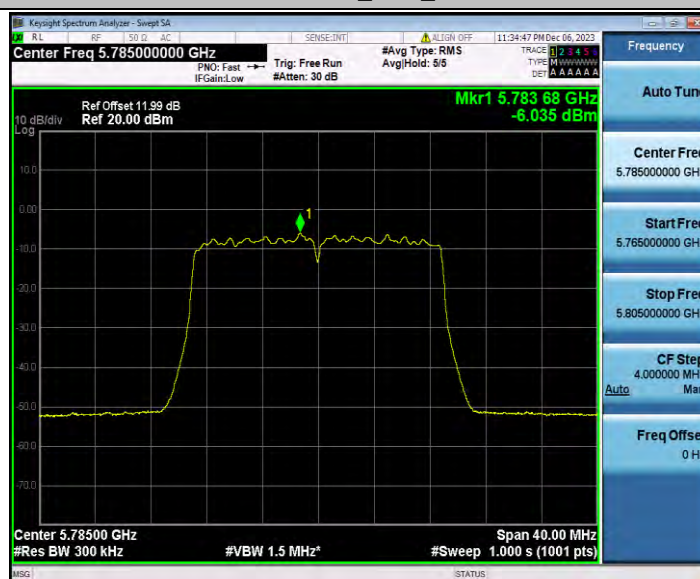




11A_Ant4_5825



11N20SISO_Ant4_5745



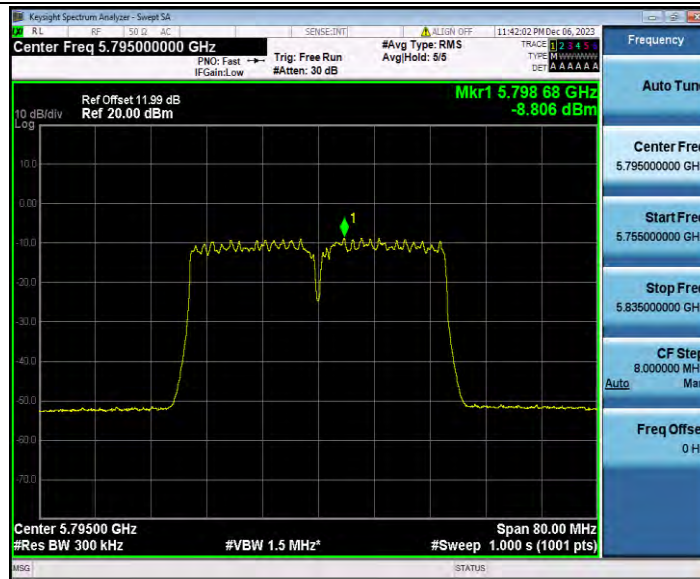
11N20SISO_Ant4_5785



11N20SISO_Ant4_5825



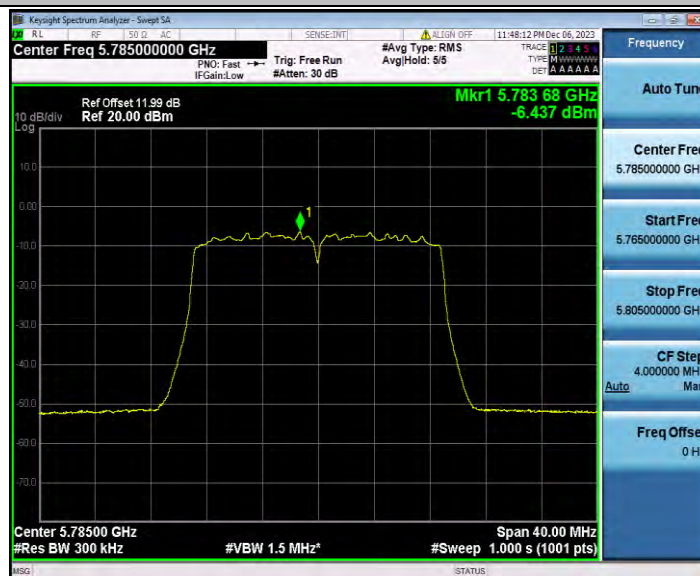
11N40SISO_Ant4_5755



11N40SISO_Ant4_5795



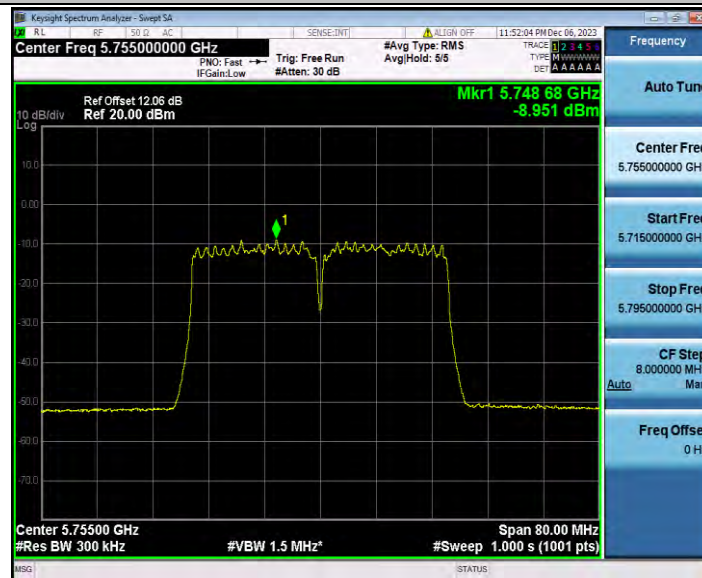
11AC20SISO_Ant4_5745



11AC20SISO_Ant4_5785



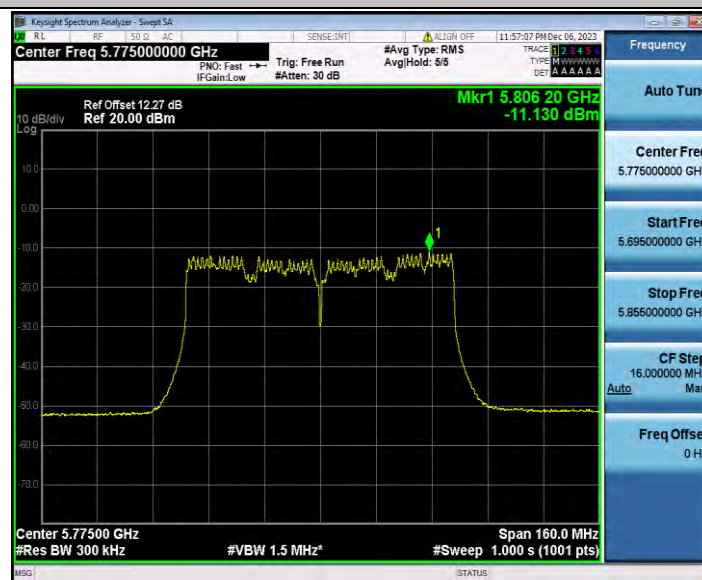
11AC20SISO_Ant4_5825



11AC40SISO_Ant4_5755



11AC40SISO_Ant4_5795



11AC80SISO_Ant4_5775

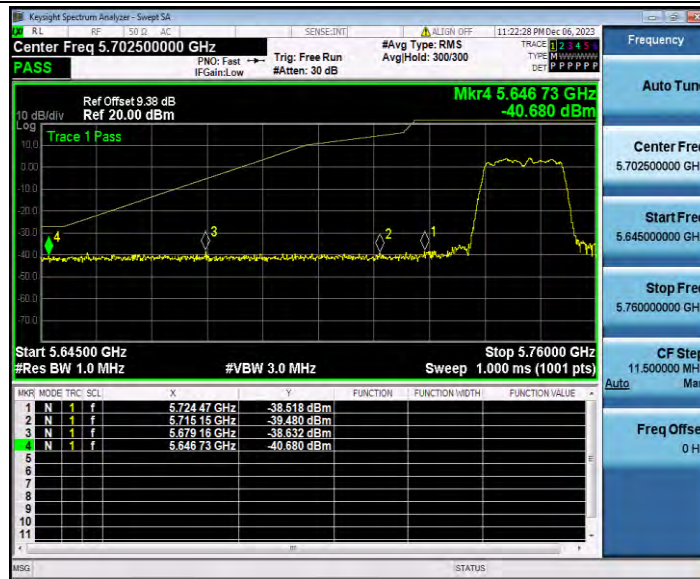
Appendix E.6: Band edge measurements

Test Result B4

TestMode	Antenna	ChName	Frequency[MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant4	Low	5745	5650~5700	-38.63	≤-5.43	PASS
				5700~5720	-39.48	≤14.24	PASS
				5720~5725	-38.52	≤25.78	PASS
				5760~5650	-40.68	≤-27	PASS
		High	5825	5850~5855	-38.43	≤15.79	PASS
				5855~5875	-37.6	≤10.74	PASS
				5875~5925	-37.1	≤9.91	PASS
				5925~5935	-38.98	≤-27	PASS
11N20SISO	Ant4	Low	5745	5650~5700	-38.58	≤-5.77	PASS
				5700~5720	-39.57	≤12.12	PASS
				5720~5725	-38.98	≤24.47	PASS
				5760~5650	-39.7	≤-27	PASS
		High	5825	5850~5855	-38.87	≤22.26	PASS
				5855~5875	-38.22	≤15.54	PASS
				5875~5925	-38.4	≤-16.67	PASS
				5925~5935	-38.26	≤-27	PASS
11N40SISO	Ant4	Low	5755	5650~5700	-38.77	≤-14.32	PASS
				5700~5720	-39.23	≤13.65	PASS
				5720~5725	-38.43	≤16.97	PASS
				5780~5650	-40.58	≤-27	PASS
		High	5795	5850~5855	-38.19	≤24.31	PASS
				5855~5875	-38.76	≤13.23	PASS
				5875~5925	-38.35	≤-11.90	PASS
				5925~5935	-38.23	≤-27	PASS
11AC20SISO	Ant4	Low	5745	5650~5700	-39.3	≤9.98	PASS
				5700~5720	-39.51	≤13.89	PASS
				5720~5725	-38.49	≤25.26	PASS
				5760~5650	-40.65	≤-27	PASS
		High	5825	5850~5855	-38.95	≤25.03	PASS
				5855~5875	-37.81	≤11.23	PASS
				5875~5925	-38.55	≤2.81	PASS
				5925~5935	-38.6	≤-27	PASS
11AC40SISO	Ant4	Low	5755	5650~5700	-39.19	≤-7.62	PASS
				5700~5720	-38.29	≤14.26	PASS
				5720~5725	-36.85	≤23.74	PASS

		High	5795	5780~5650	-39.79	≤ -27	PASS
				5850~5855	-39.42	≤ 18.29	PASS
				5855~5875	-38.86	≤ 10.04	PASS
				5875~5925	-38.08	≤ -17.89	PASS
				5925~5935	-38.82	≤ -27	PASS
11AC80SI SO	Ant4	Low	5775	5650~5700	-38.29	≤ -13.61	PASS
				5700~5720	-39.05	≤ 11.79	PASS
				5720~5725	-39	≤ 23.07	PASS
				5800~5650	-40.71	≤ -27	PASS
		High	5775	5850~5855	-38.06	≤ 22.96	PASS
				5855~5875	-37.96	≤ 14.74	PASS
				5875~5925	-38.04	≤ 1.93	PASS
				5925~5935	-38.47	≤ -27	PASS

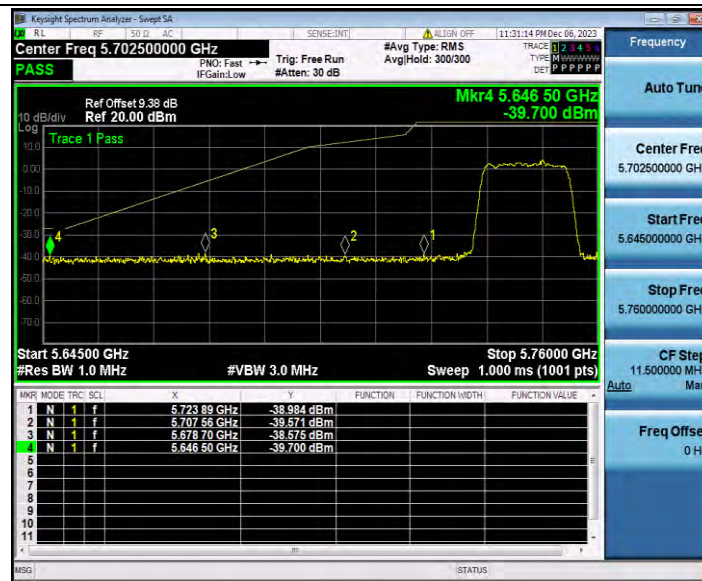
Test Graphs B4



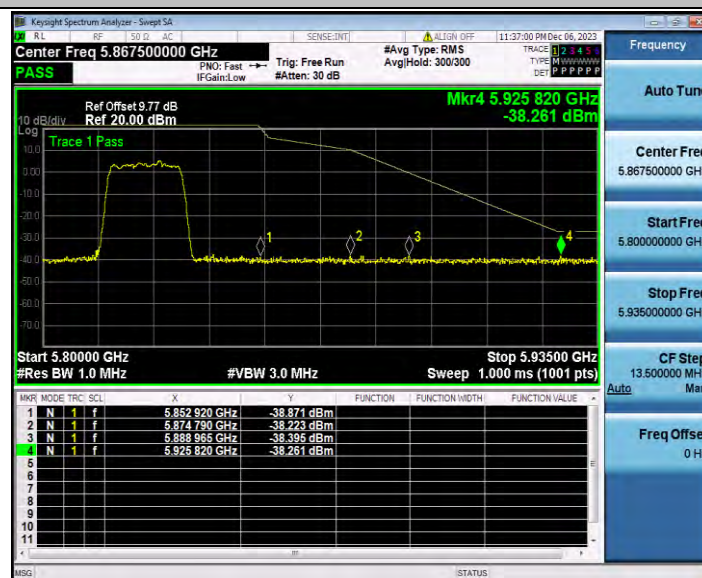
11A_Ant4_Low_5745



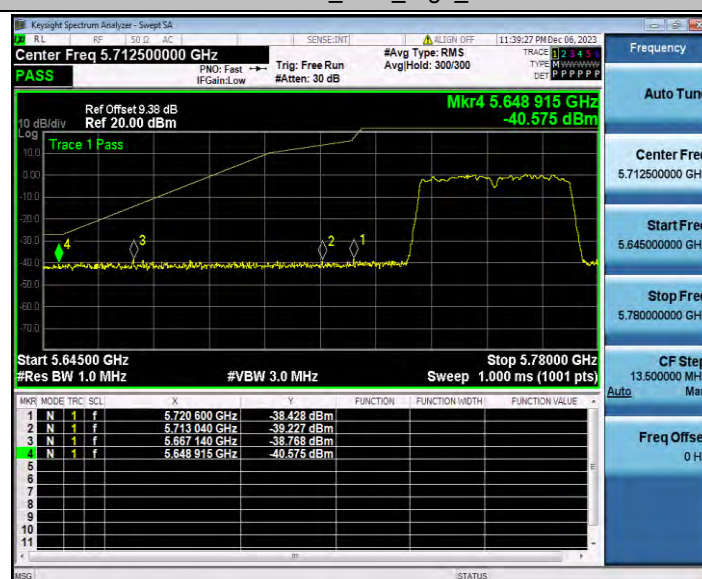
11A_Ant4_High_5825



11N20SISO_Ant4_Low_5745



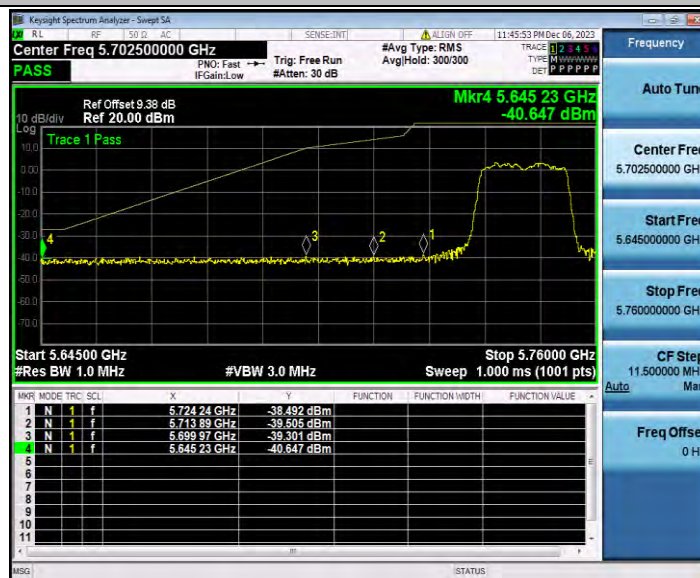
11N20SISO_Ant4_High_5825



11N40SISO_Ant4_Low_5755



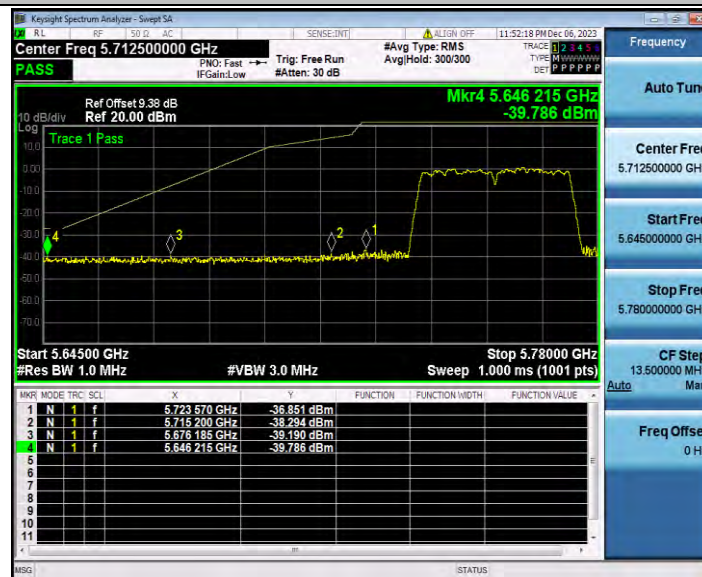
11N40SISO_Ant4_High_5795



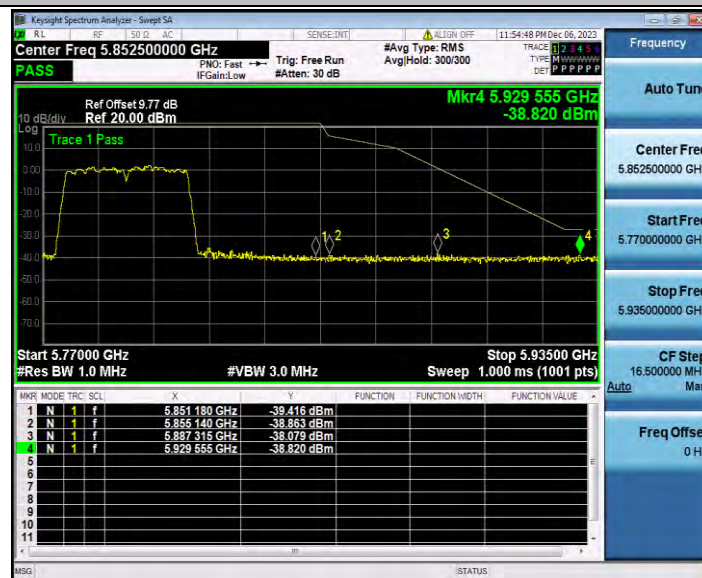
11AC20SISO_Ant4_Low_5745



11AC20SISO_Ant4_High_5825



11AC40SISO_Ant4_Low_5755



11AC40SISO_Ant4_High_5795



11AC80SISO_Ant4_Low_5775



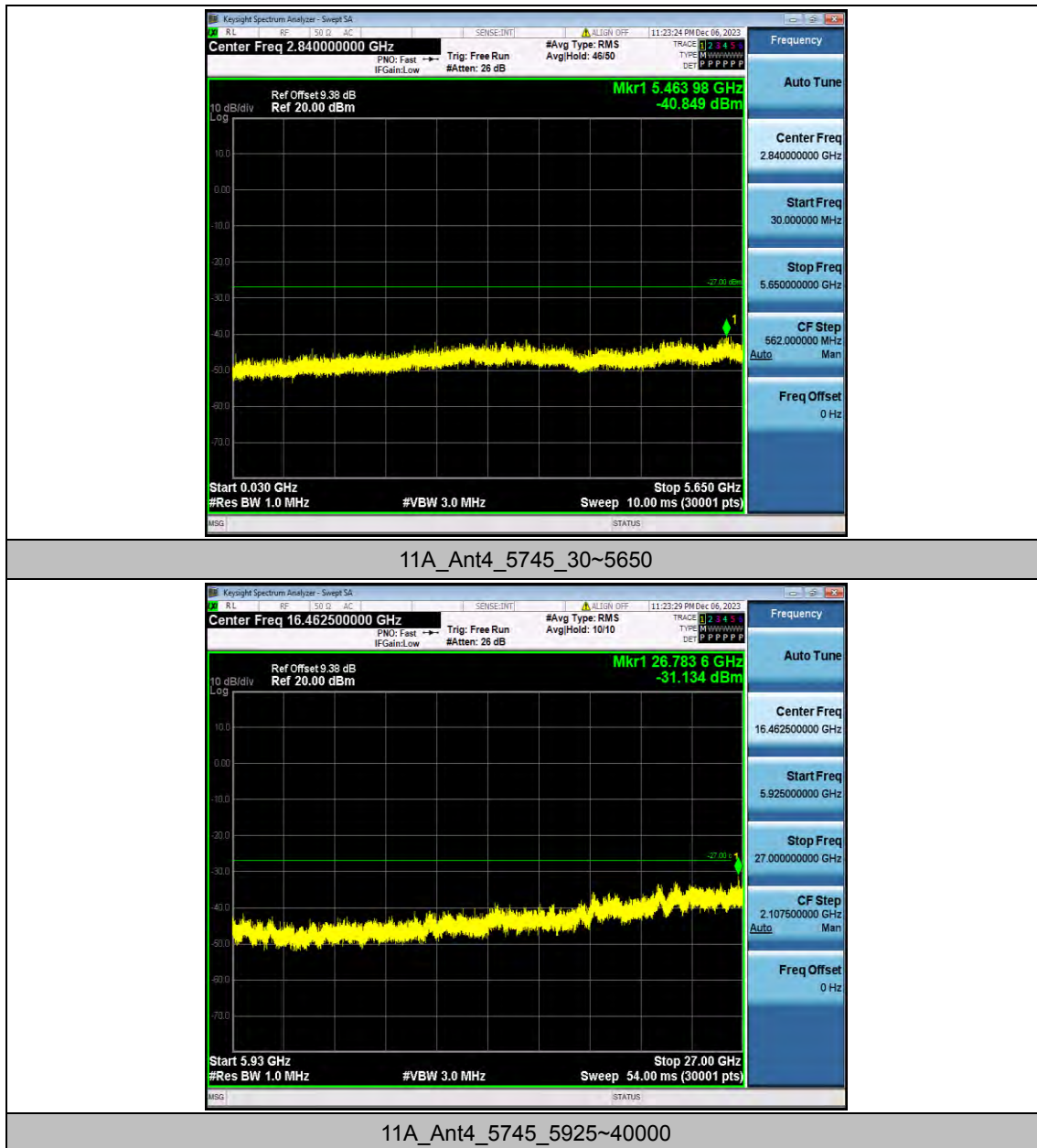
11AC80SISO_Ant4_High_5775

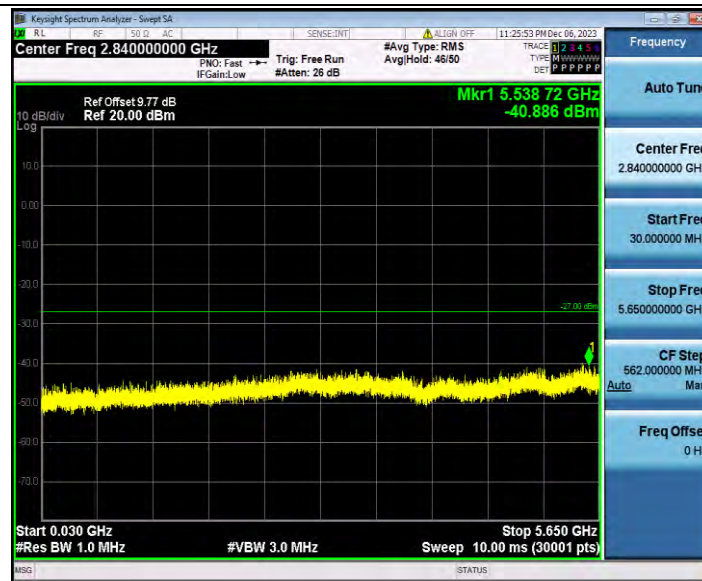
Appendix E.7: Conducted Spurious Emission

Test Result

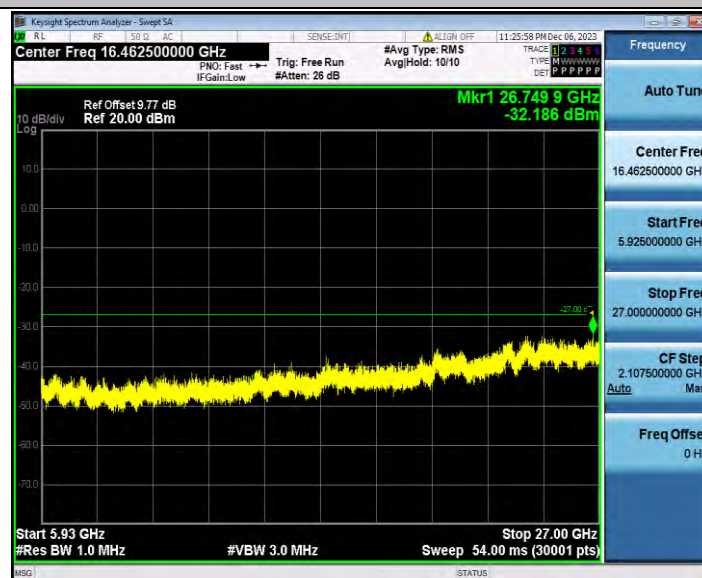
Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant4	5745	30~5650	5463.98	-40.85	≤-27	PASS
			5925~40000	26783.63	-31.13	≤-27	PASS
		5785	30~5650	5538.72	-40.89	≤-27	PASS
			5925~40000	26749.91	-32.19	≤-27	PASS
		5825	30~5650	5446.93	-40.96	≤-27	PASS
			5925~40000	24860.19	-32.19	≤-27	PASS
11N20SISO	Ant4	5745	30~5650	2670.65	-40.38	≤-27	PASS
			5925~40000	23557.05	-32.84	≤-27	PASS
		5785	30~5650	5593.99	-39.97	≤-27	PASS
			5925~40000	24178.06	-32.12	≤-27	PASS
		5825	30~5650	5370.12	-40.49	≤-27	PASS
			5925~40000	26974.01	-32.68	≤-27	PASS
11N40SISO	Ant4	5755	30~5650	4765.04	-40.54	≤-27	PASS
			5925~40000	24163.31	-32.06	≤-27	PASS
		5795	30~5650	5504.07	-40.26	≤-27	PASS
			5925~40000	26014.39	-32.03	≤-27	PASS
11AC20SISO	Ant4	5745	30~5650	5022.25	-39.96	≤-27	PASS
			5925~40000	24246.9	-31.23	≤-27	PASS
		5785	30~5650	5450.49	-41.01	≤-27	PASS
			5925~40000	26067.78	-32.34	≤-27	PASS
		5825	30~5650	5465.48	-40.52	≤-27	PASS
			5925~40000	24237.07	-31.58	≤-27	PASS
11AC40SISO	Ant4	5755	30~5650	4930.08	-40.55	≤-27	PASS
			5925~40000	26518.79	-32.85	≤-27	PASS
		5795	30~5650	5357.2	-40.59	≤-27	PASS
			5925~40000	24253.23	-30.96	≤-27	PASS
11AC80SISO	Ant4	5775	30~5650	5536.85	-40.8	≤-27	PASS
			5925~40000	24257.44	-32.22	≤-27	PASS

Test Graphs

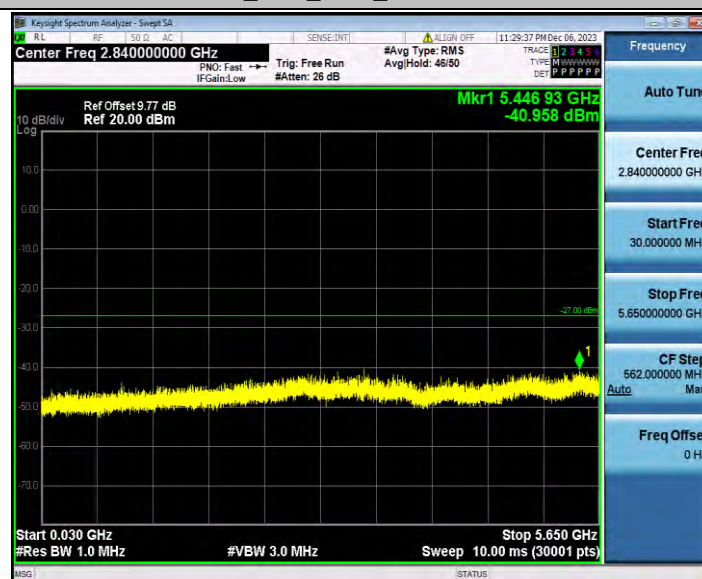




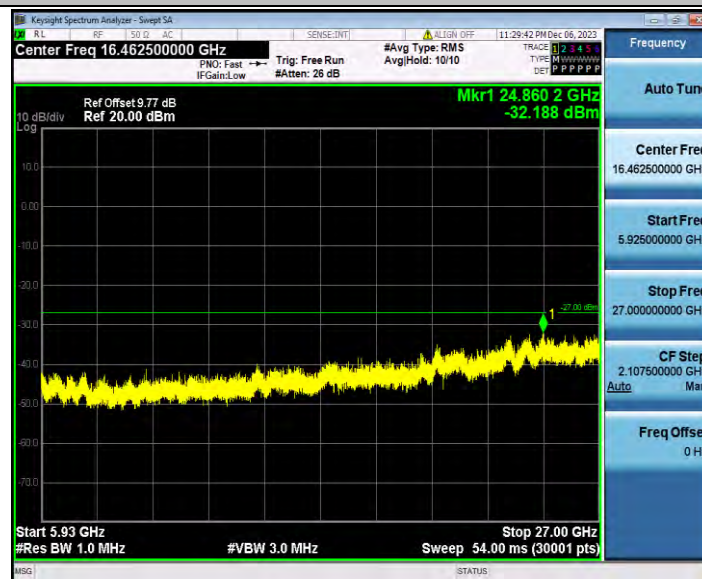
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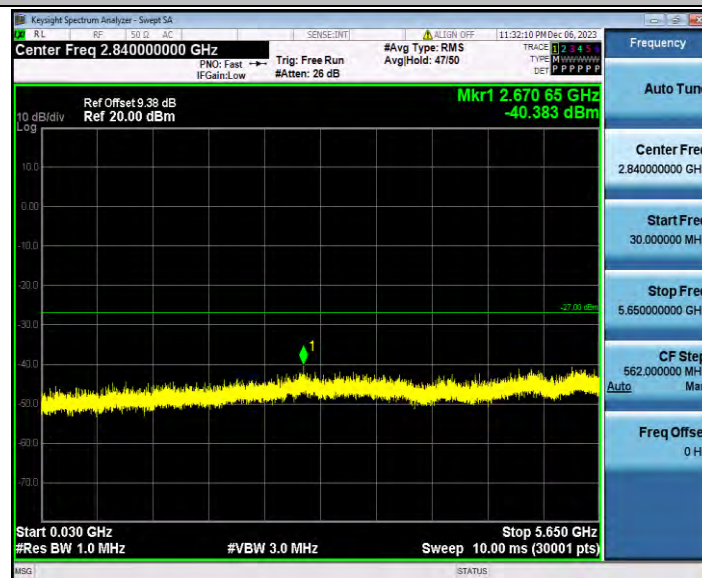
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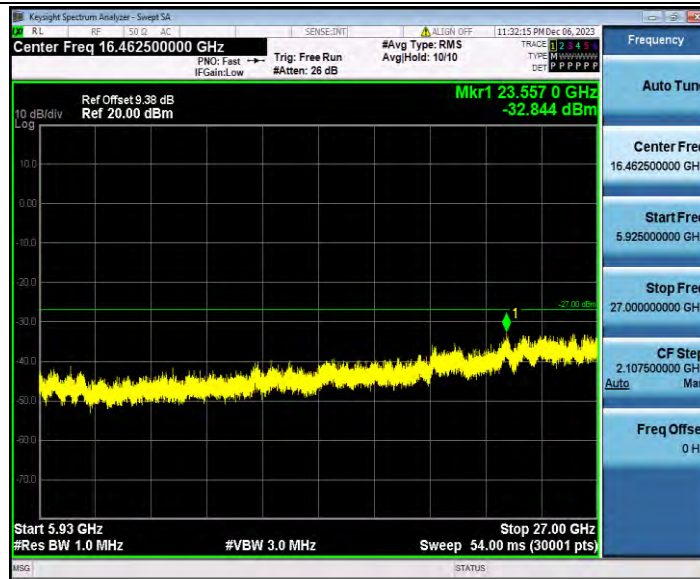
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11A_Ant4_5825_5925~40000



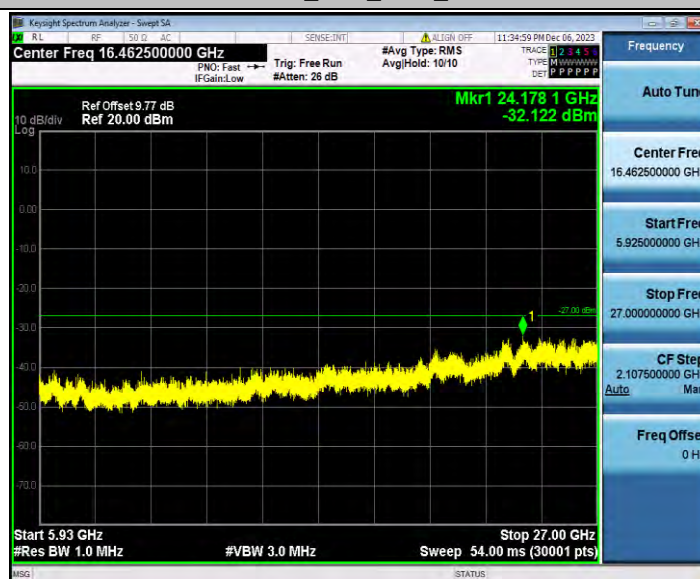
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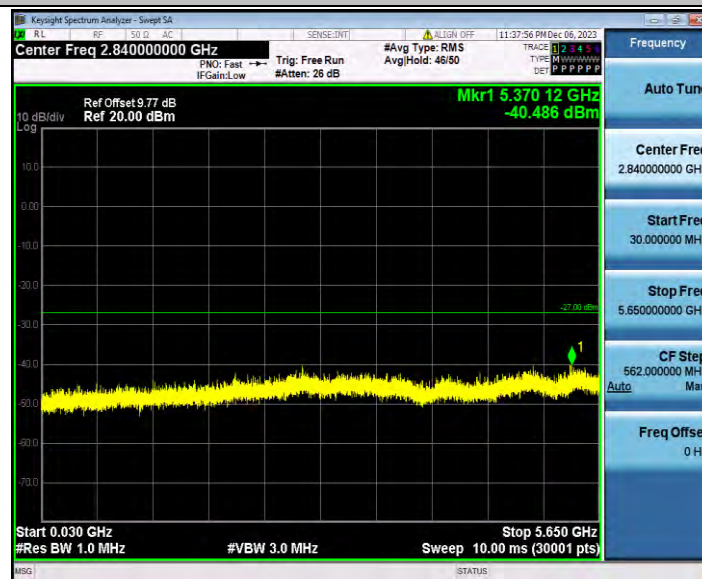
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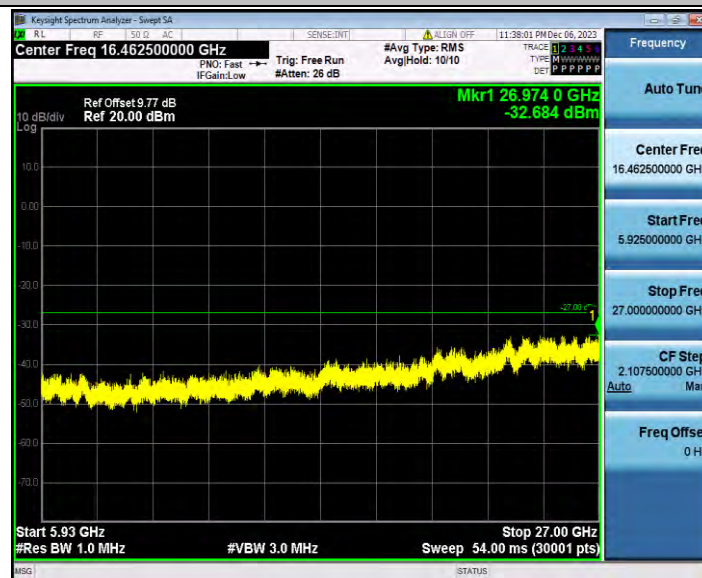
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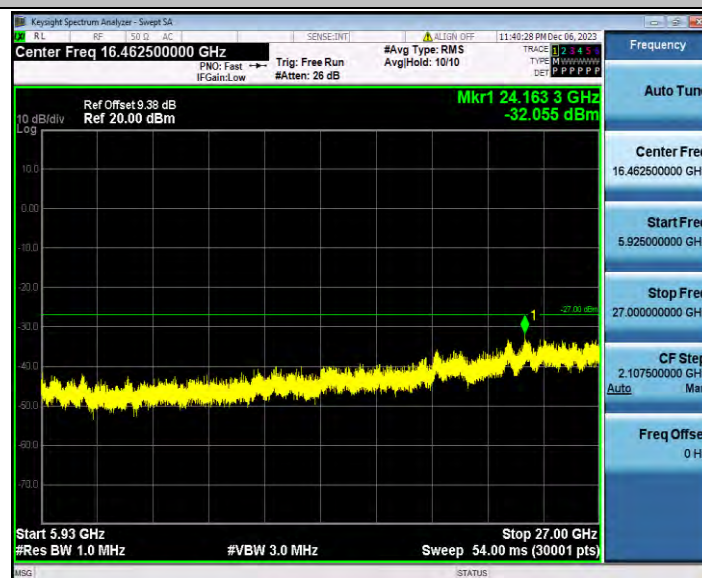
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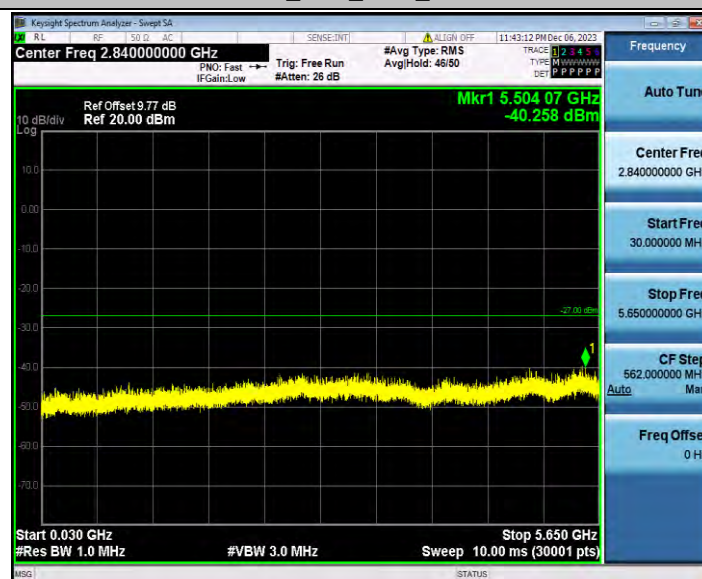
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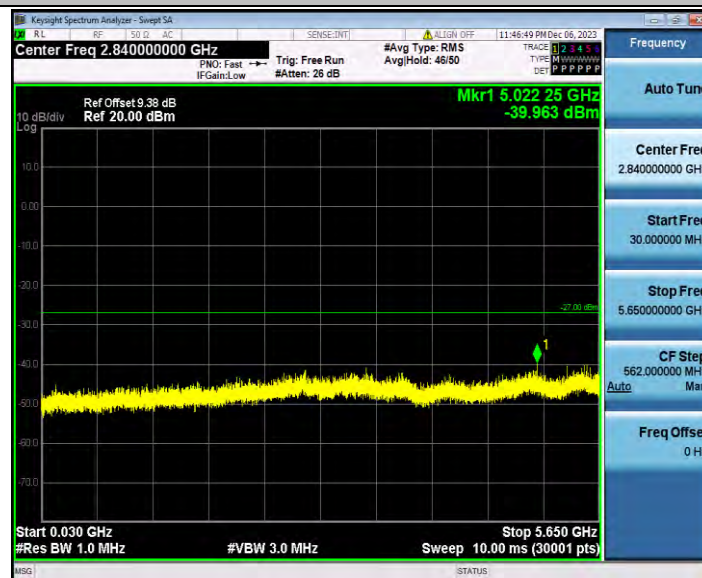
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11N40SISO_Ant4_5795_30~5650



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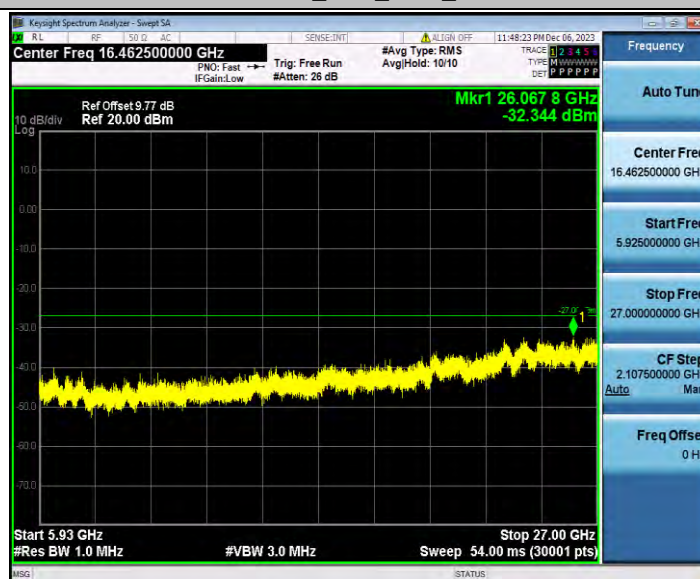
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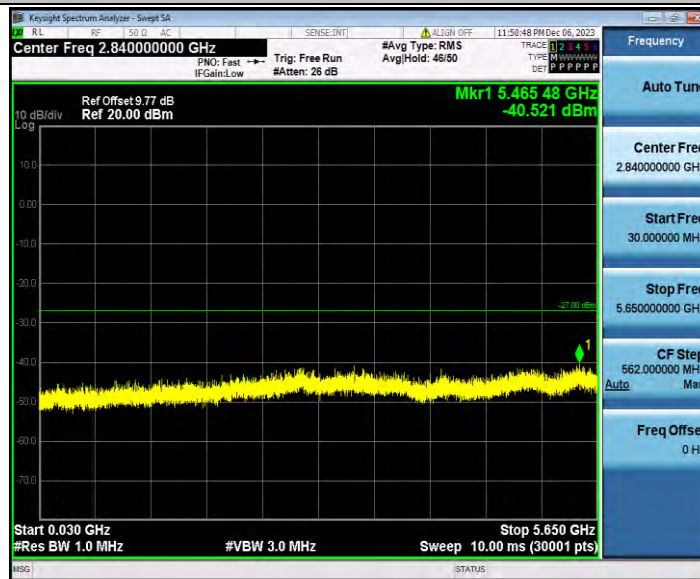
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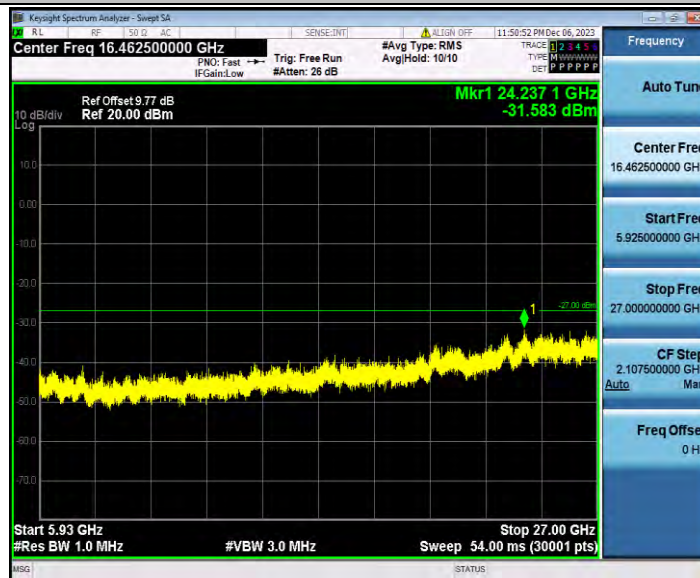
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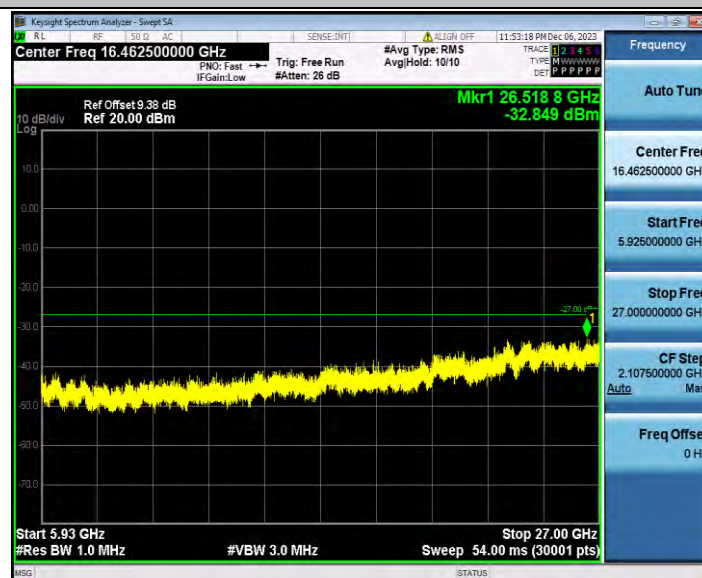
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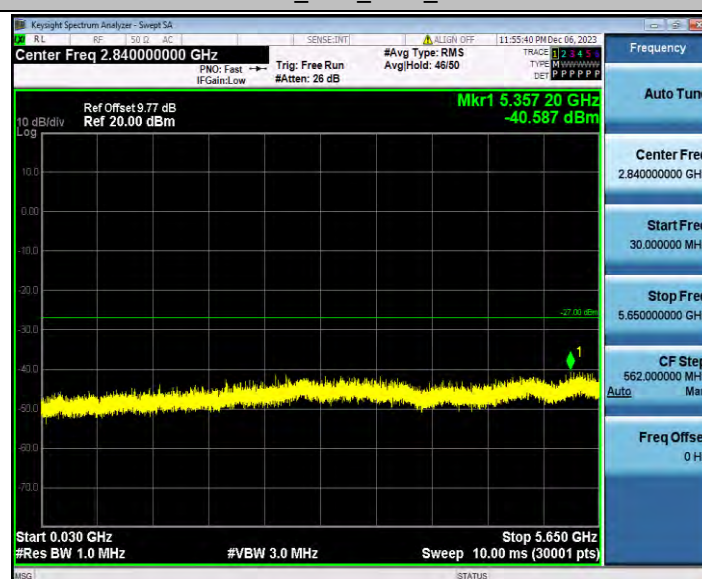
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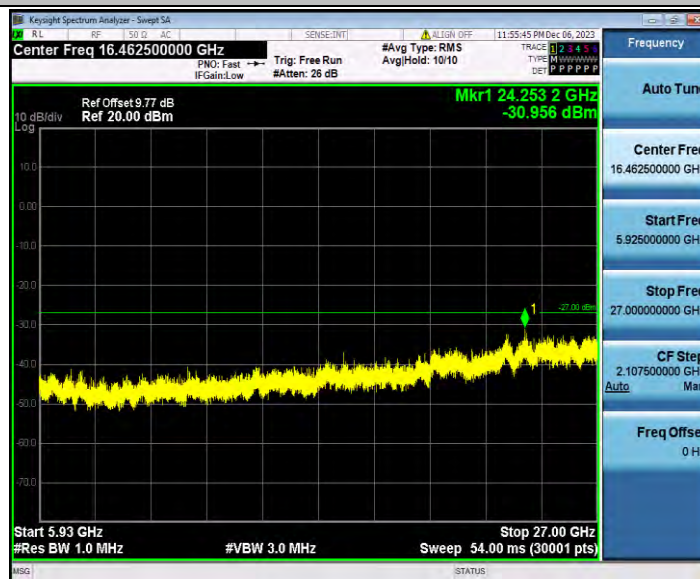
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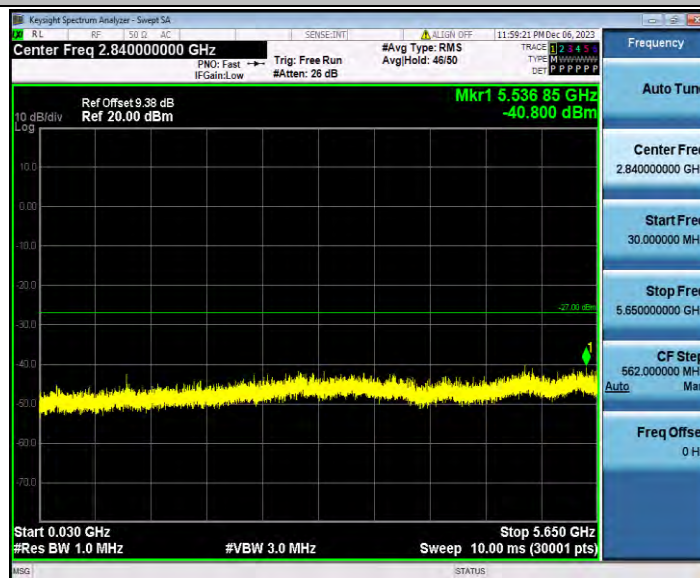
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11AC40SISO_Ant4_5795_30~5650



11AC40SISO_Ant4_5795_5925~40000



11AC80SISO_Ant4_5775_30~5650

