

Case No. : <u>GTS20230111005-1-13</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.1.17</u>	Test Engineer: <u>Jenny zeng</u>

Appendix G.1: Occupied channel bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant0	5745	16.681	5736.669	5753.350	---	---
		5785	16.753	5776.650	5793.403	---	---
		5825	16.833	5816.571	5833.404	---	---
11N20SISO	Ant0	5745	17.686	5736.187	5753.873	---	---
		5785	17.700	5776.212	5793.912	---	---
		5825	17.747	5816.171	5833.918	---	---
11N40SISO	Ant0	5755	36.520	5736.955	5773.475	---	---
		5795	36.524	5776.963	5813.487	---	---
11AC20SISO	Ant0	5745	17.667	5736.207	5753.874	---	---
		5785	17.712	5776.199	5793.911	---	---
		5825	17.740	5816.189	5833.929	---	---
11AC40SISO	Ant0	5755	36.530	5736.936	5773.466	---	---
		5795	36.498	5776.982	5813.480	---	---
11AC80SISO	Ant0	5775	74.932	5738.006	5812.938	---	---

Test Graphs

11A_Ant0_5745



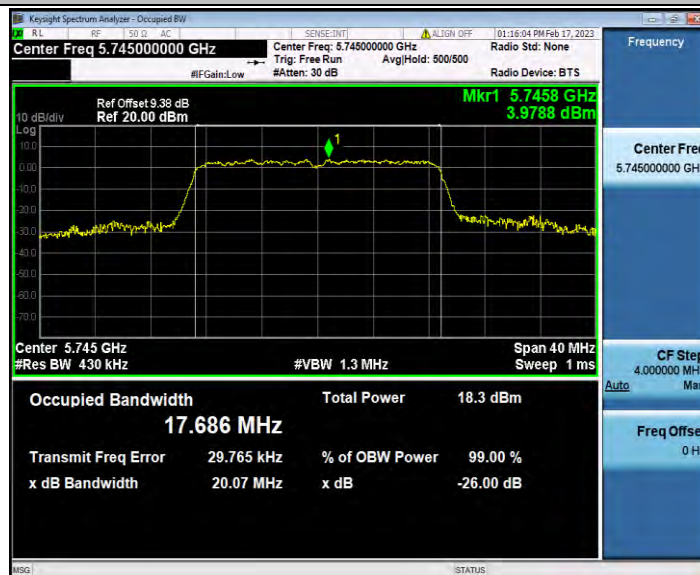
11A_Ant0_5785



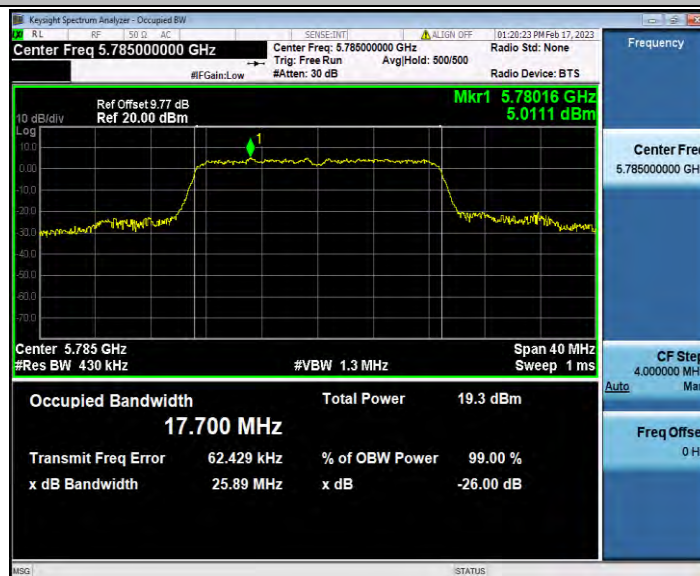
11A_Ant0_5825



11N20SISO_Ant0_5745



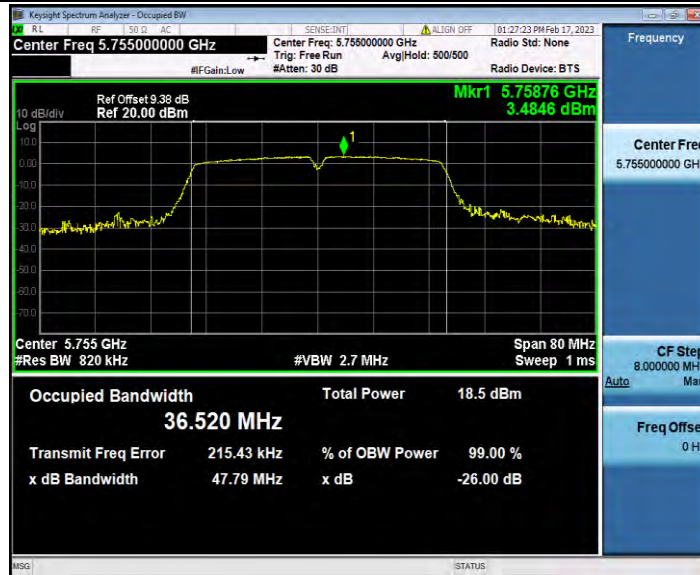
11N20SISO_Ant0_5785



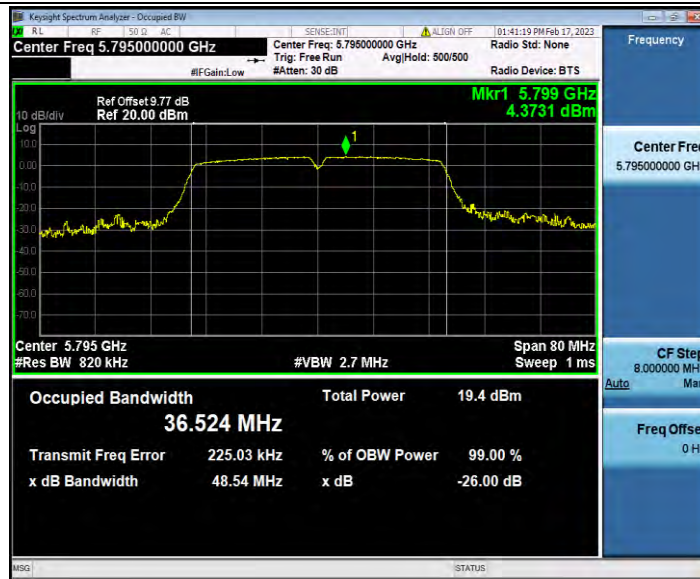
11N20SISO_Ant0_5825



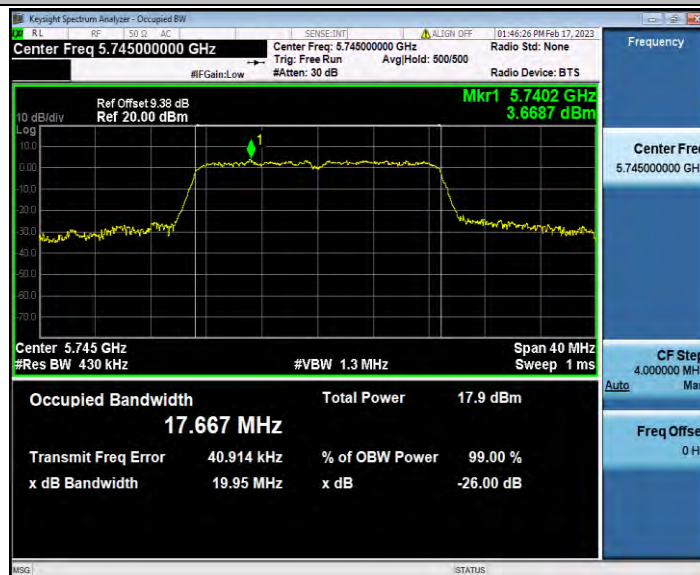
11N40SISO_Ant0_5755



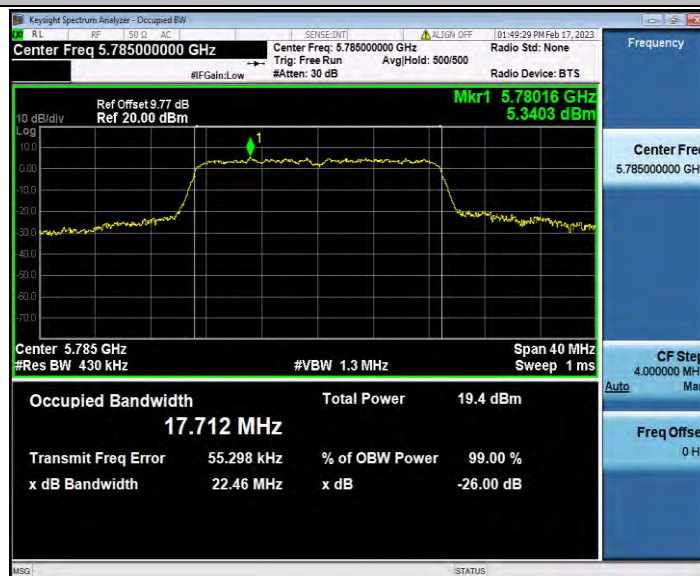
11N40SISO_Ant0_5795



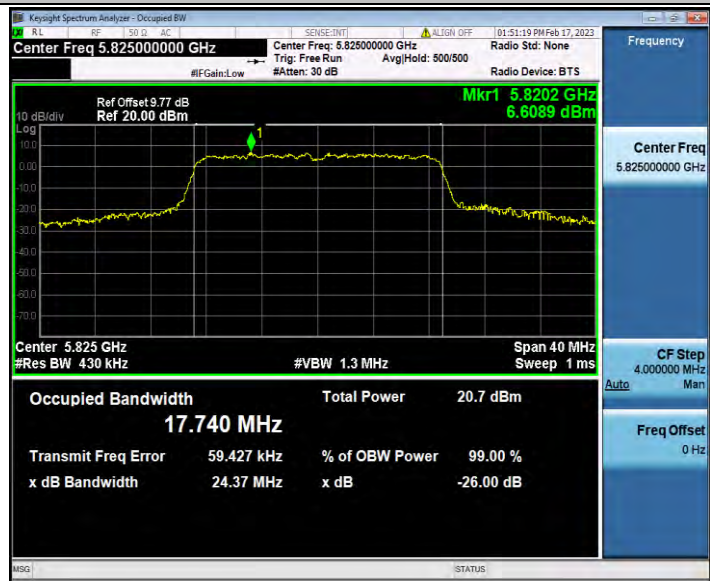
11AC20SISO_Ant0_5745



11AC20SISO_Ant0_5785



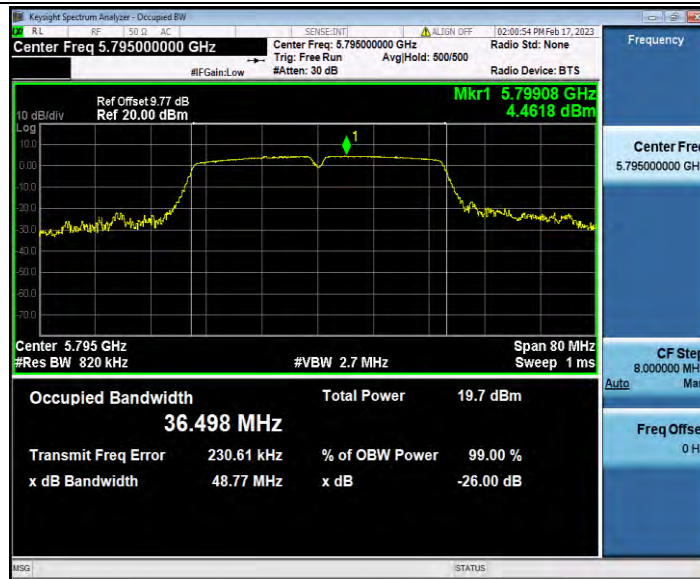
11AC20SISO_Ant0_5825



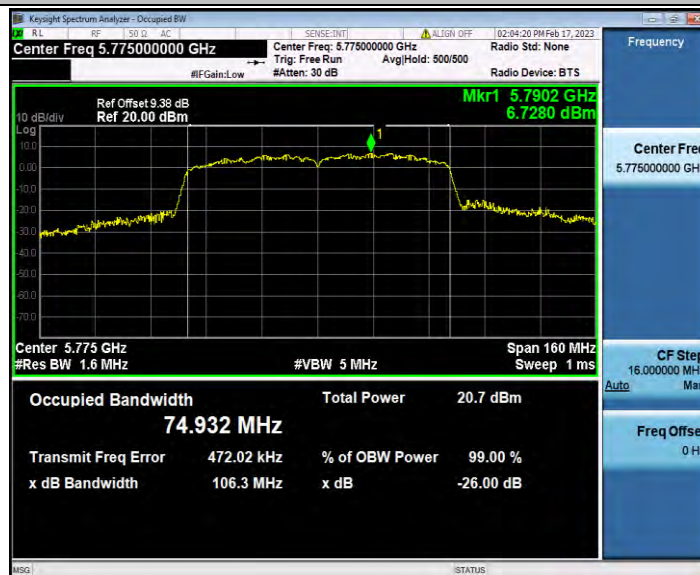
11AC40SISO_Ant0_5755



11AC40SISO_Ant0_5795



11AC80SISO_Ant0_5775



Appendix G.2: Min emission bandwidth

Test Result B4

TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant0	5745	16.480	5736.760	5753.240	0.5	PASS
		5785	16.480	5776.800	5793.280	0.5	PASS
		5825	16.480	5816.760	5833.240	0.5	PASS
11N20SISO	Ant0	5745	17.680	5736.160	5753.840	0.5	PASS
		5785	17.640	5776.200	5793.840	0.5	PASS
		5825	17.640	5816.200	5833.840	0.5	PASS
11N40SISO	Ant0	5755	36.400	5736.840	5773.240	0.5	PASS
		5795	36.400	5776.840	5813.240	0.5	PASS
11AC20SISO	Ant0	5745	17.640	5736.200	5753.840	0.5	PASS
		5785	17.640	5776.200	5793.840	0.5	PASS
		5825	17.640	5816.200	5833.840	0.5	PASS
11AC40SISO	Ant0	5755	36.320	5736.840	5773.160	0.5	PASS
		5795	36.400	5776.840	5813.240	0.5	PASS
11AC80SISO	Ant0	5775	73.600	5739.640	5813.240	0.5	PASS

Test Graphs B4

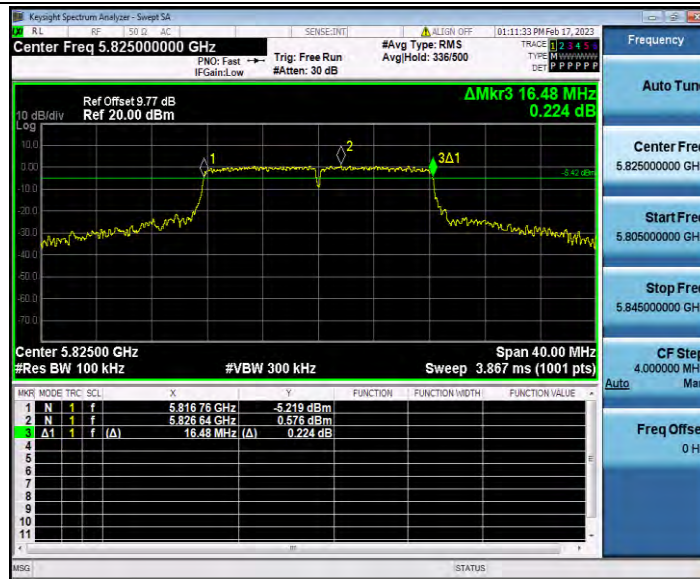
11A_Ant0_5745



11A_Ant0_5785



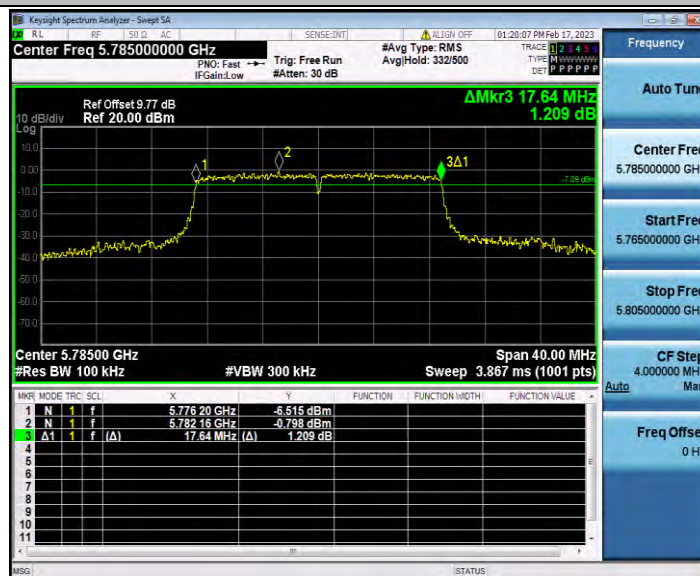
11A_Ant0_5825



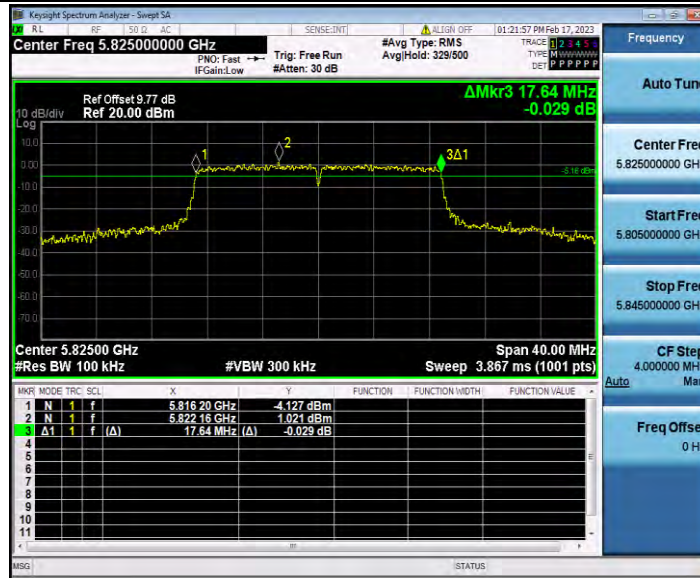
11N20SISO_Ant0_5745



11N20SISO_Ant0_5785



11N20SISO_Ant0_5825



11N40SISO_Ant0_5755



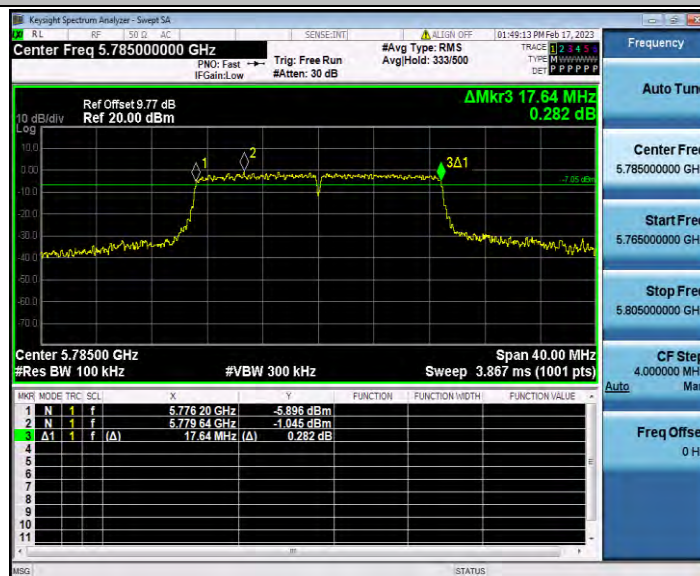
11N40SISO_Ant0_5795



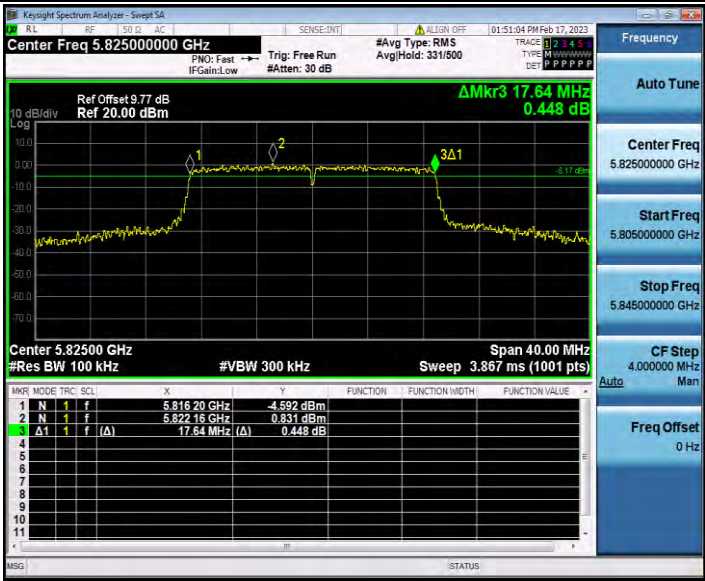
11AC20SISO_Ant0_5745



11AC20SISO_Ant0_5785



11AC20SISO_Ant0_5825



11AC40SISO_Ant0_5755



11AC40SISO_Ant0_5795



11AC80ISO_Ant0_5775



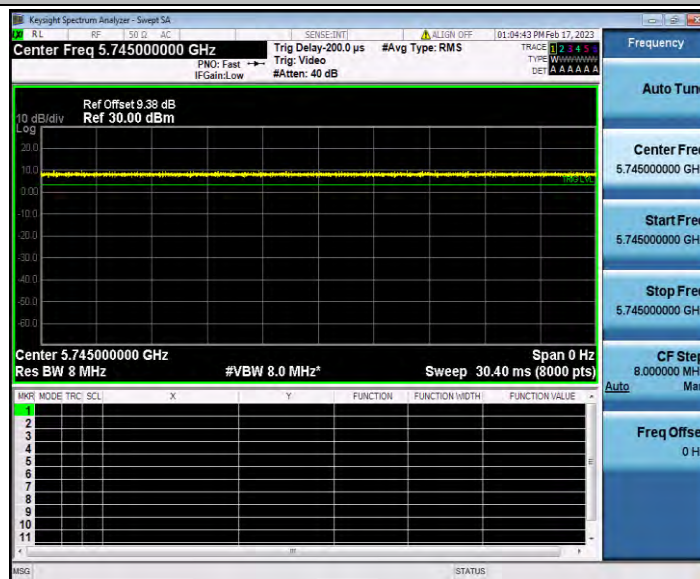
Appendix G.3: Duty Cycle

Test Result

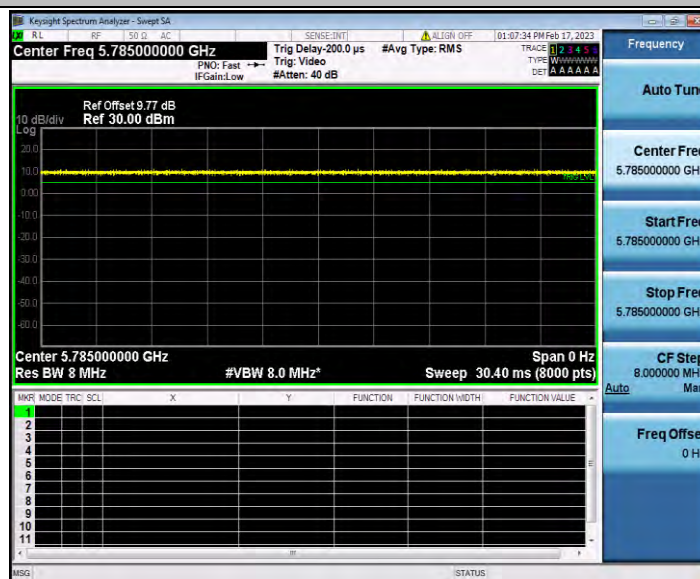
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant0	5745	30.00	30.00	100.00
		5785	30.00	30.00	100.00
		5825	30.00	30.00	100.00
11N20SISO	Ant0	5745	30.00	30.00	100.00
		5785	30.00	30.00	100.00
		5825	30.00	30.00	100.00
11N40SISO	Ant0	5755	30.00	30.00	100.00
		5795	30.00	30.00	100.00
11AC20SISO	Ant0	5745	30.00	30.00	100.00
		5785	30.00	30.00	100.00
		5825	30.00	30.00	100.00
11AC40SISO	Ant0	5755	30.00	30.00	100.00
		5795	30.00	30.00	100.00
11AC80SISO	Ant0	5775	30.00	30.00	100.00

Test Graphs

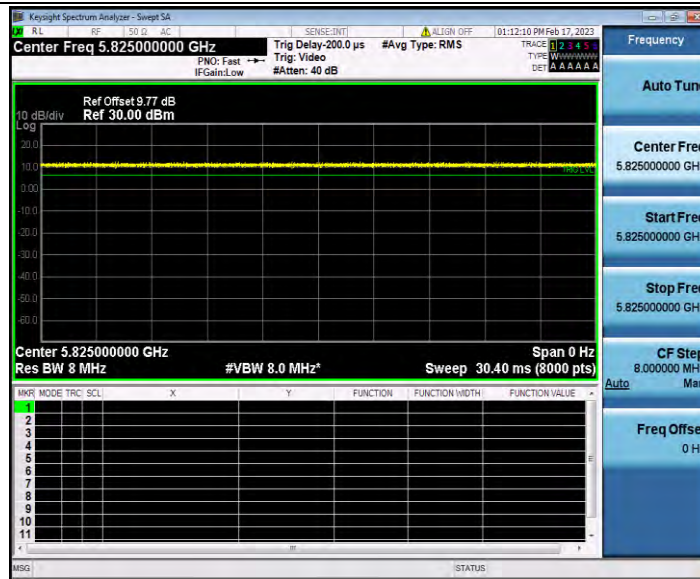
11A_Ant0_5745



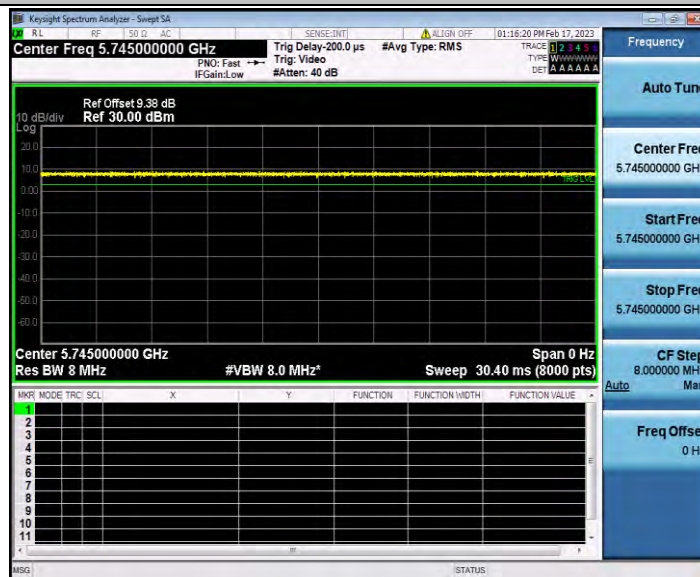
11A_Ant0_5785



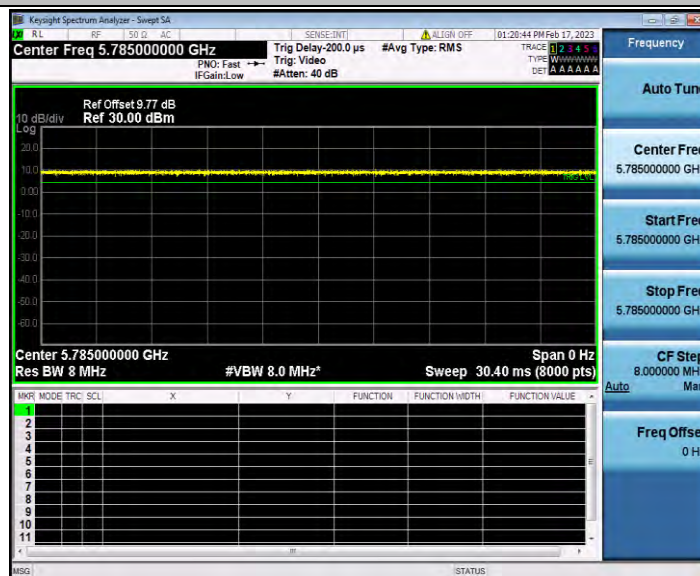
11A_Ant0_5825



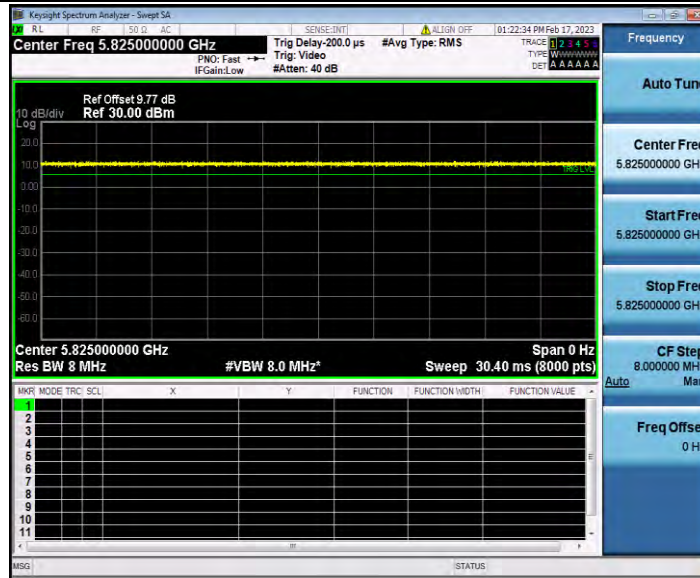
11N20SISO_Ant0_5745



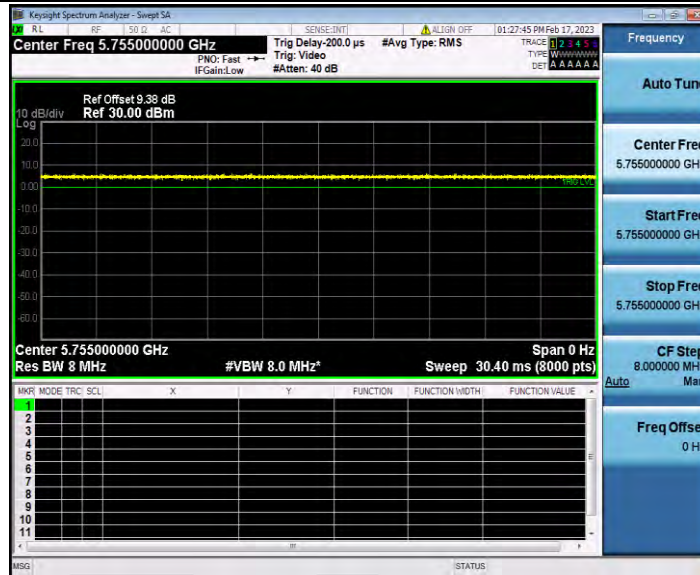
11N20SISO_Ant0_5785



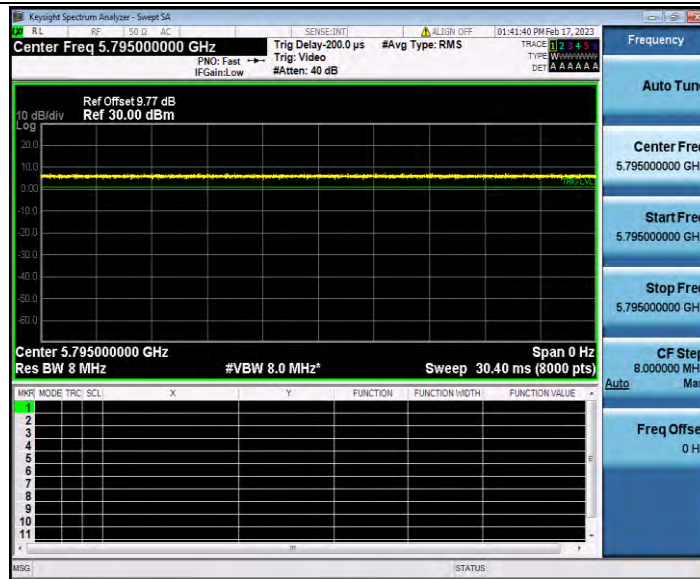
11N20SISO_Ant0_5825



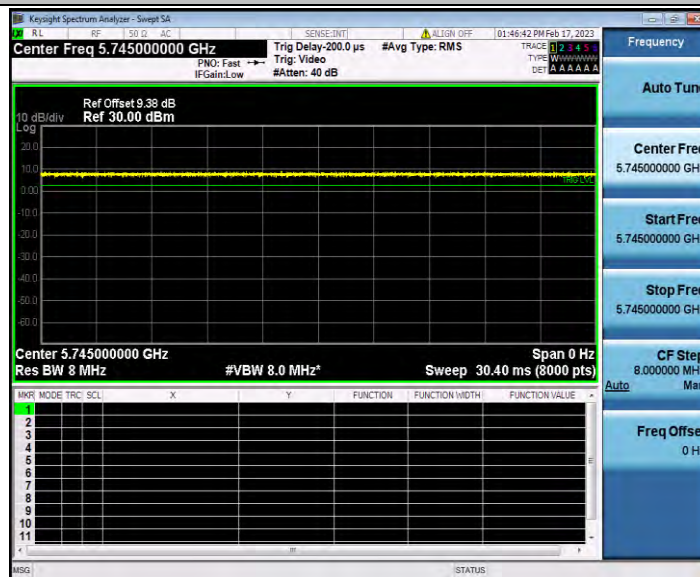
11N40SISO_Ant0_5755



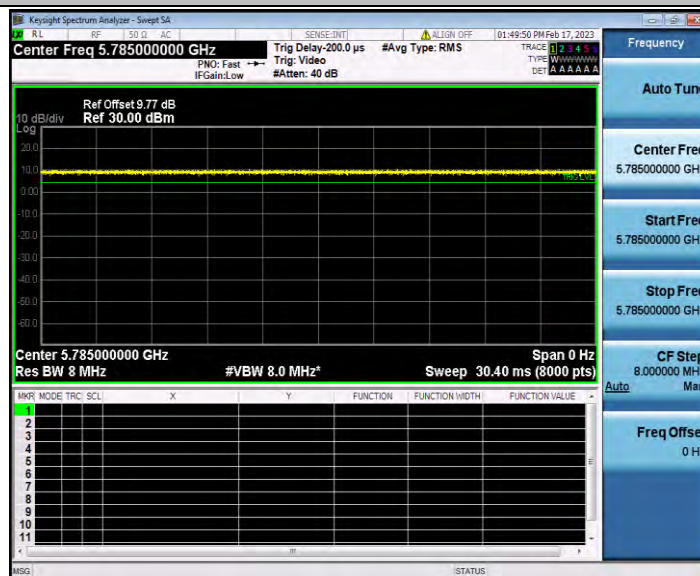
11N40SISO_Ant0_5795



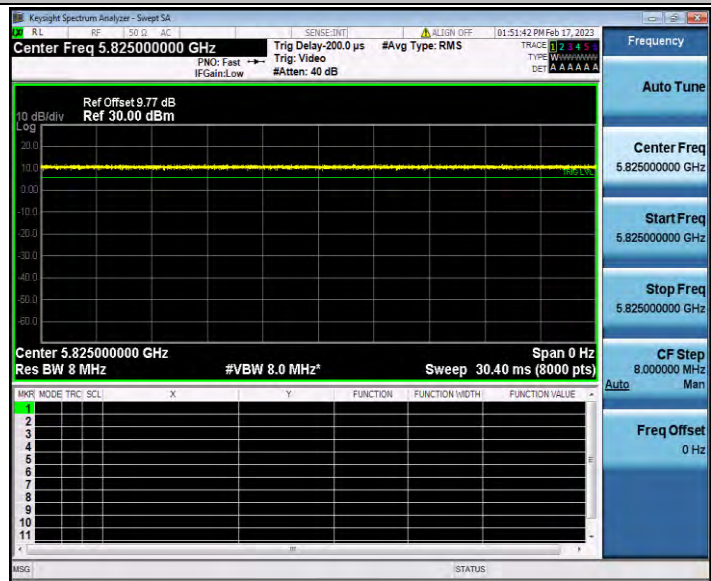
11AC20SISO_Ant0_5745



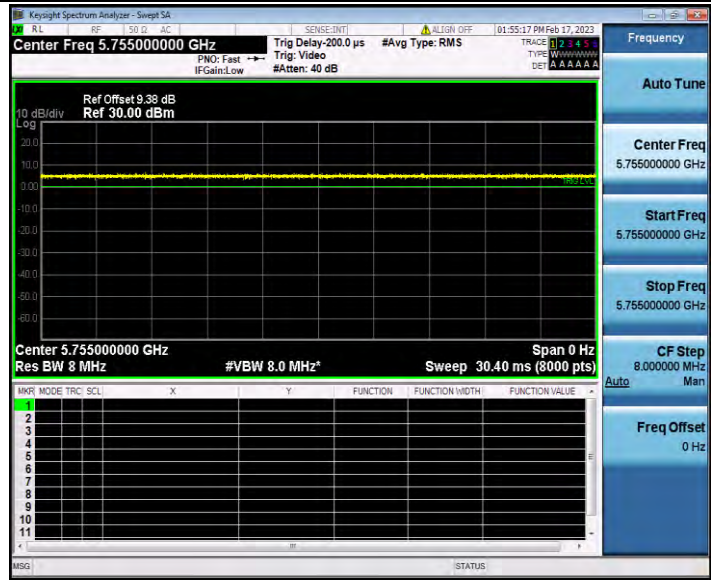
11AC20SISO_Ant0_5785



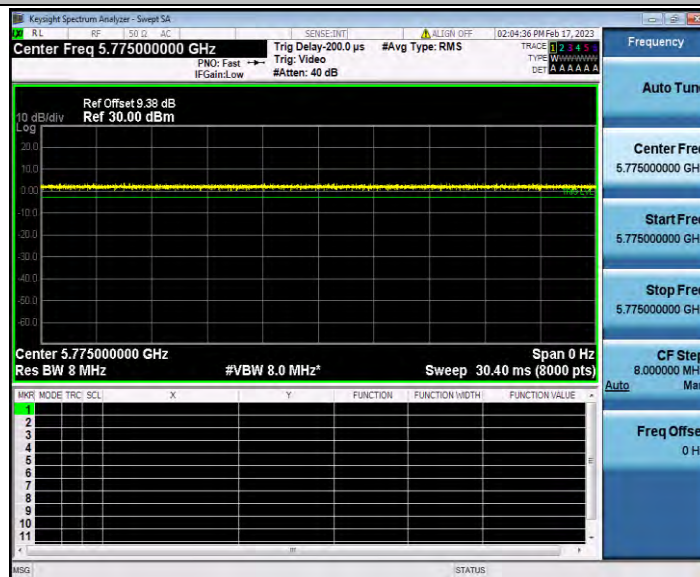
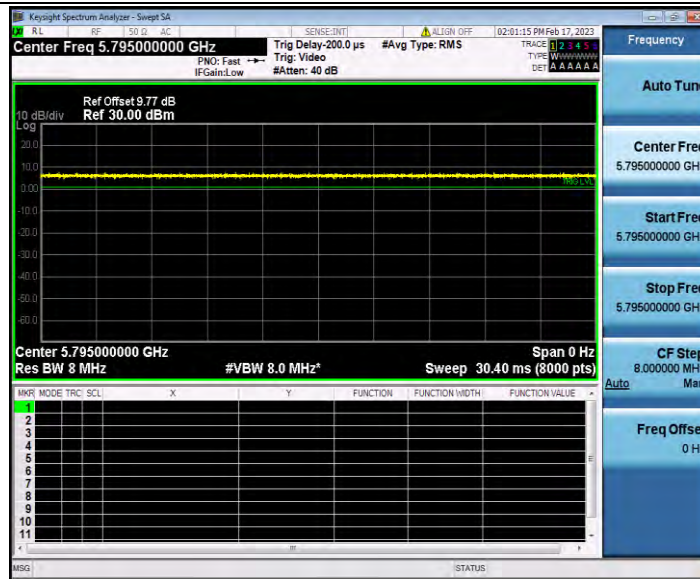
11AC20SISO_Ant0_5825



11AC40SISO_Ant0_5755



11AC40SISO_Ant0_5795



Appendix G.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	Ant0	5745	11.61	100.00	0.00	11.61	≤30.00	PASS
		5785	13.03	100.00	0.00	13.03	≤30.00	PASS
		5825	14.41	100.00	0.00	14.41	≤30.00	PASS
11N20SISO	Ant0	5745	11.43	100.00	0.00	11.43	≤30.00	PASS
		5785	12.75	100.00	0.00	12.75	≤30.00	PASS
		5825	14.39	100.00	0.00	14.39	≤30.00	PASS
11N40SISO	Ant0	5755	11.06	100.00	0.00	11.06	≤30.00	PASS
		5795	12.26	100.00	0.00	12.26	≤30.00	PASS
11AC20SISO	Ant0	5745	11.09	100.00	0.00	11.09	≤30.00	PASS
		5785	12.69	100.00	0.00	12.69	≤30.00	PASS
		5825	14.12	100.00	0.00	14.12	≤30.00	PASS
11AC40SISO	Ant0	5755	11.30	100.00	0.00	11.30	≤30.00	PASS
		5795	12.46	100.00	0.00	12.46	≤30.00	PASS
11AC80SISO	Ant0	5775	11.64	100.00	0.00	11.64	≤30.00	PASS

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

Appendix G.5: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant0	5745	-3.22	≤30.00	PASS
		5785	-1.78	≤30.00	PASS
		5825	-0.3	≤30.00	PASS
11N20SISO	Ant0	5745	-3.59	≤30.00	PASS
		5785	-2.26	≤30.00	PASS
		5825	-0.67	≤30.00	PASS
11N40SISO	Ant0	5755	-6.3	≤30.00	PASS
		5795	-5.14	≤30.00	PASS
11AC20SISO	Ant0	5745	-3.83	≤30.00	PASS
		5785	-2.35	≤30.00	PASS
		5825	-0.81	≤30.00	PASS
11AC40SISO	Ant0	5755	-6.08	≤30.00	PASS
		5795	-4.94	≤30.00	PASS
11AC80SISO	Ant0	5775	-8.58	≤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

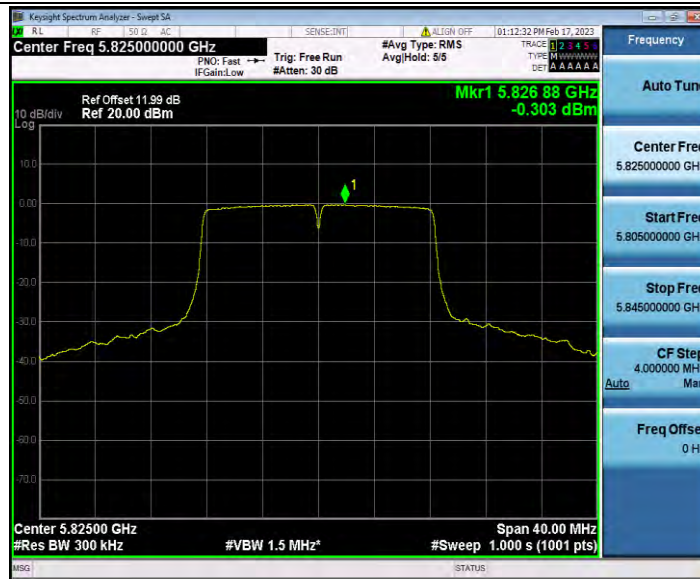
11A_Ant0_5745



11A_Ant0_5785



11A_Ant0_5825



11N20SISO_Ant0_5745



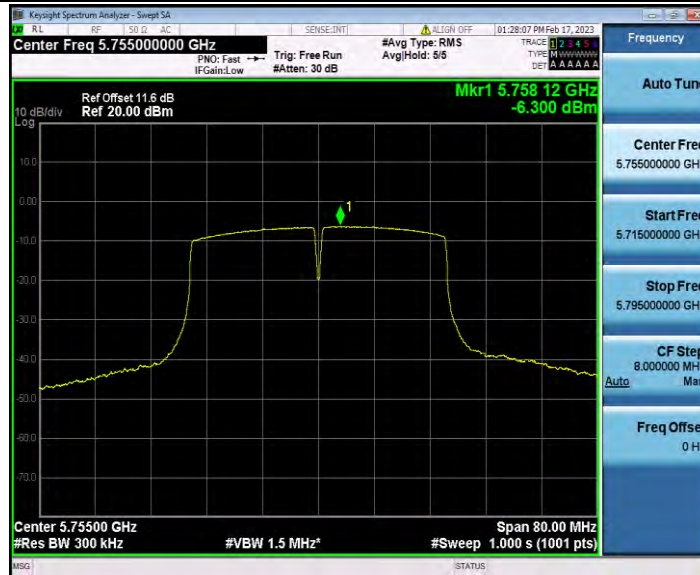
11N20SISO_Ant0_5785



11N20SISO_Ant0_5825



11N40SISO_Ant0_5755



11N40SISO_Ant0_5795



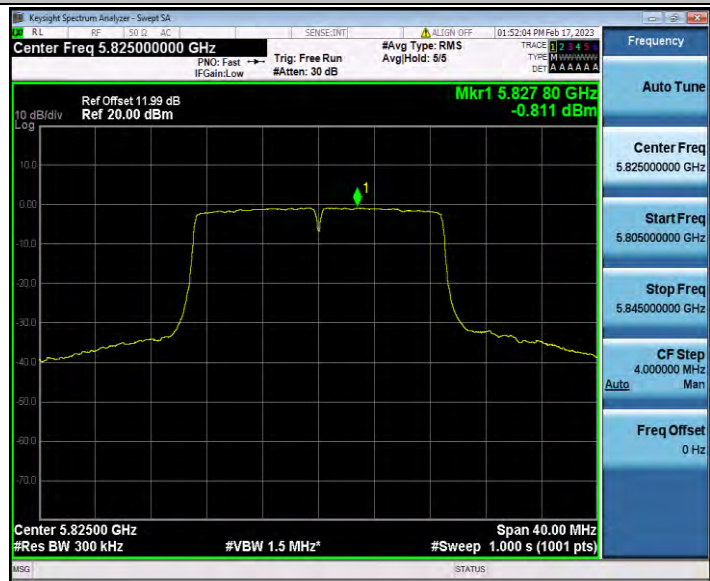
11AC20SISO_Ant0_5745



11AC20SISO_Ant0_5785



11AC20SISO_Ant0_5825



11AC40SISO_Ant0_5755



11AC40SISO_Ant0_5795



11AC80SISO_Ant0_5775



Appendix G.6: Band edge measurements

Test Result B4

TestMode	Antenna	ChName	Frequency[MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant0	Low	5745	5650~5700	-39.8	≤7.42	PASS
				5700~5720	-32.29	≤15.37	PASS
				5720~5725	-25.94	≤24.99	PASS
				5760~5650	-40.09	≤-27	PASS
		High	5825	5850~5855	-29.77	≤17.33	PASS
				5855~5875	-31.42	≤10.78	PASS
				5875~5925	-38.41	≤-2.78	PASS
				5925~5935	-37.59	≤-27	PASS
11N20SI SO	Ant0	Low	5745	5650~5700	-39.2	≤-13.42	PASS
				5700~5720	-30.8	≤15.37	PASS
				5720~5725	-27.34	≤21.32	PASS
				5760~5650	-40.19	≤-27	PASS
		High	5825	5850~5855	-26.83	≤15.79	PASS
				5855~5875	-30.94	≤10.29	PASS
				5875~5925	-38.59	≤-5.98	PASS
				5925~5935	-38.85	≤-27	PASS
11N40SI SO	Ant0	Low	5755	5650~5700	-37.57	≤9.96	PASS
				5700~5720	-29.87	≤14.52	PASS
				5720~5725	-27.77	≤26.20	PASS
				5780~5650	-41.01	≤-27	PASS
		High	5795	5850~5855	-33.88	≤17.16	PASS
				5855~5875	-36.19	≤11.29	PASS
				5875~5925	-37.22	≤-3.48	PASS
				5925~5935	-38.81	≤-27	PASS
11AC20S ISO	Ant0	Low	5745	5650~5700	-38.89	≤-17.94	PASS
				5700~5720	-29.74	≤15.01	PASS
				5720~5725	-28.6	≤24.73	PASS
				5760~5650	-39.81	≤-27	PASS
		High	5825	5850~5855	-26.72	≤15.79	PASS
				5855~5875	-30.65	≤10.14	PASS
				5875~5925	-37.34	≤5.31	PASS
				5925~5935	-38.03	≤-27	PASS
11AC40S ISO	Ant0	Low	5755	5650~5700	-36.82	≤7.56	PASS
				5700~5720	-26.38	≤15.28	PASS
				5720~5725	-25.75	≤25.28	PASS
				5780~5650	-40.51	≤-27	PASS

		High	5795	5850~5855	-32.15	≤ 15.66	PASS
				5855~5875	-35.69	≤ 10.55	PASS
				5875~5925	-37.65	≤ -10.68	PASS
				5925~5935	-38.8	≤ -27	PASS
11AC80S ISO	Ant0	Low	5775	5650~5700	-33.21	≤ 7.50	PASS
				5700~5720	-28.66	≤ 14.52	PASS
				5720~5725	-27.49	≤ 24.83	PASS
				5800~5650	-39.78	≤ -27	PASS
		High	5775	5850~5855	-26.82	≤ 18.32	PASS
				5855~5875	-28.46	≤ 10.54	PASS
				5875~5925	-34.05	≤ -25.45	PASS
				5925~5935	-39.01	≤ -27	PASS

Test Graphs B4

11A_Ant0_Low_5745



11A_Ant0_High_5825



11N20SISO_Ant0_Low_5745



11N20SISO_Ant0_High_5825



11N40SISO_Ant0_Low_5755



11N40SISO_Ant0_High_5795



11AC20SISO_Ant0_Low_5745



11AC20SISO_Ant0_High_5825



11AC40SISO_Ant0_Low_5755



11AC40SISO_Ant0_High_5795



11AC80SISO_Ant0_Low_5775



11AC80SISO_Ant0_High_5775



Appendix G.7: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant0	5745	30~5650	5387.92	-40.28	≤-27	PASS
			5925~40000	24268.68	-32.49	≤-27	PASS
		5785	30~5650	3023.4	-40.57	≤-27	PASS
			5925~40000	24381.78	-32.13	≤-27	PASS
		5825	30~5650	5416.4	-40.77	≤-27	PASS
			5925~40000	26556.02	-32.67	≤-27	PASS
11N20SISO	Ant0	5745	30~5650	5603.17	-40.89	≤-27	PASS
			5925~40000	24256.04	-31.67	≤-27	PASS
		5785	30~5650	5383.05	-40.72	≤-27	PASS
			5925~40000	23517.71	-32.5	≤-27	PASS
		5825	30~5650	5457.05	-40.42	≤-27	PASS
			5925~40000	24211.78	-32.21	≤-27	PASS
11N40SISO	Ant0	5755	30~5650	5398.97	-40.91	≤-27	PASS
			5925~40000	25970.14	-32.78	≤-27	PASS
		5795	30~5650	3281.92	-40.43	≤-27	PASS
			5925~40000	26146.46	-32.6	≤-27	PASS
11AC20SISO	Ant0	5745	30~5650	1737.36	-40.18	≤-27	PASS
			5925~40000	23580.23	-31.51	≤-27	PASS
		5785	30~5650	1737.92	-31.85	≤-27	PASS
			5925~40000	26819.46	-32.48	≤-27	PASS
		5825	30~5650	5453.49	-39.6	≤-27	PASS
			5925~40000	26734.46	-31.69	≤-27	PASS
11AC40SISO	Ant0	5755	30~5650	5456.3	-39.94	≤-27	PASS
			5925~40000	24936.76	-32.71	≤-27	PASS
		5795	30~5650	1748.97	-33.31	≤-27	PASS
			5925~40000	25604.84	-31.68	≤-27	PASS
11AC80SISO	Ant0	5775	30~5650	5467.16	-40.7	≤-27	PASS
			5925~40000	24284.84	-32.4	≤-27	PASS

Test Graphs

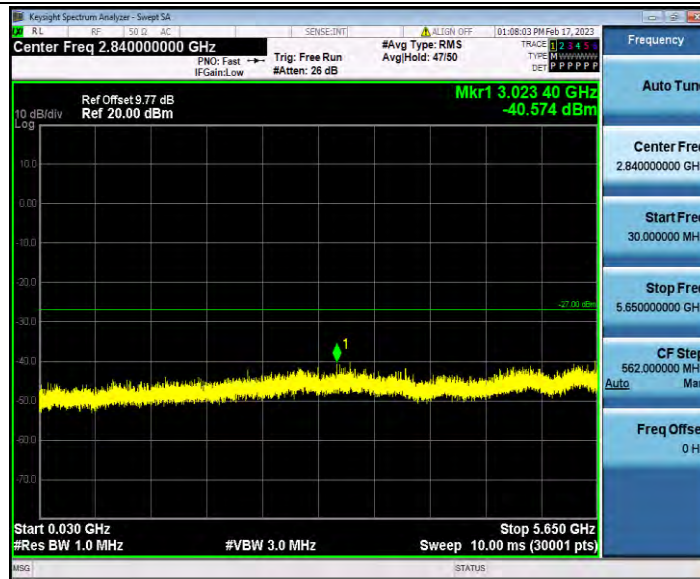
11A_Ant0_5745_30~5650



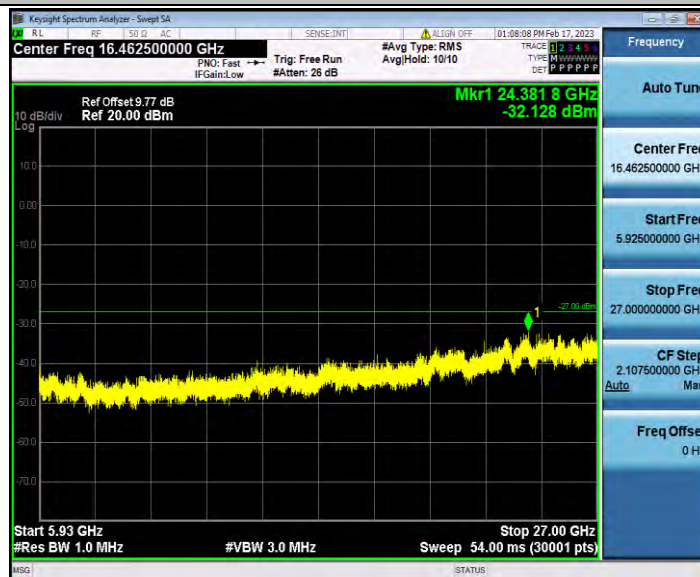
11A_Ant0_5745_5925~40000



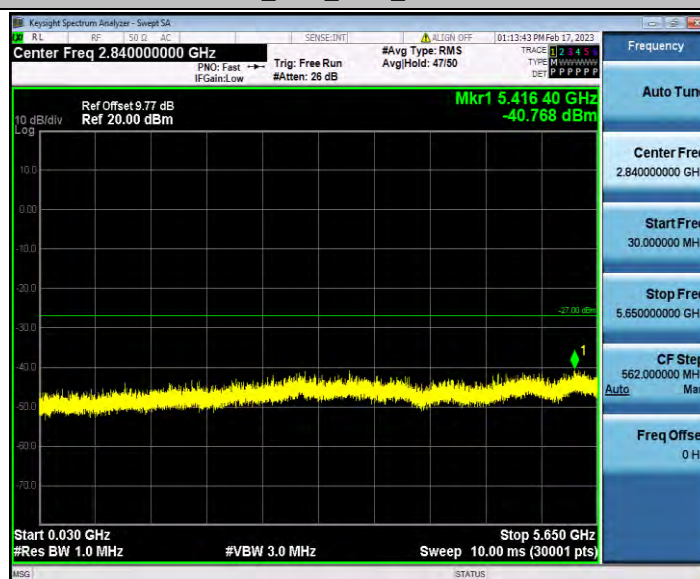
11A_Ant0_5785_30~5650



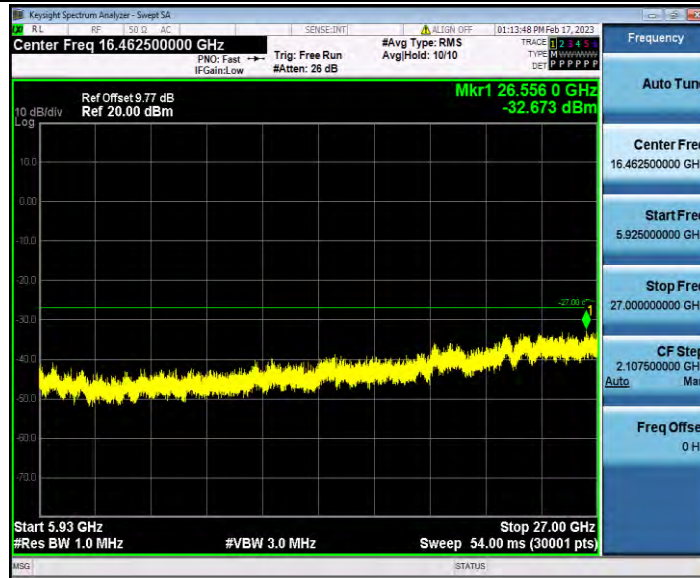
11A_Ant0_5785_5925~40000



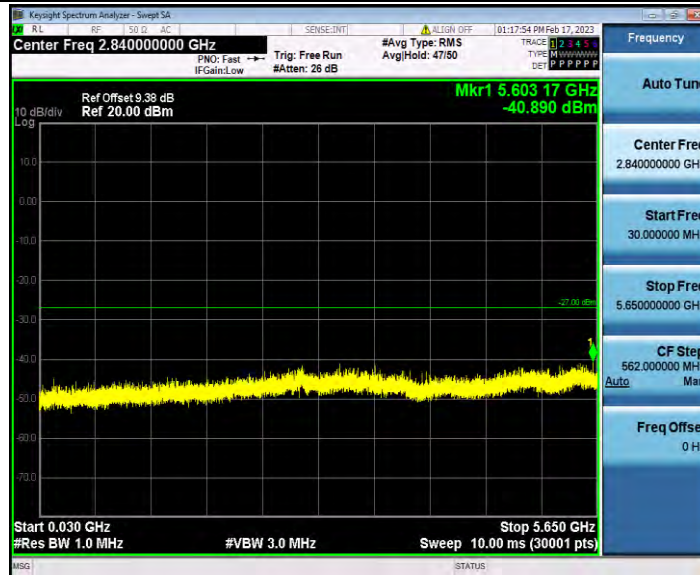
11A_Ant0_5825_30~5650



11A_Ant0_5825_5925~40000



11N20SISO_Ant0_5745_30~5650



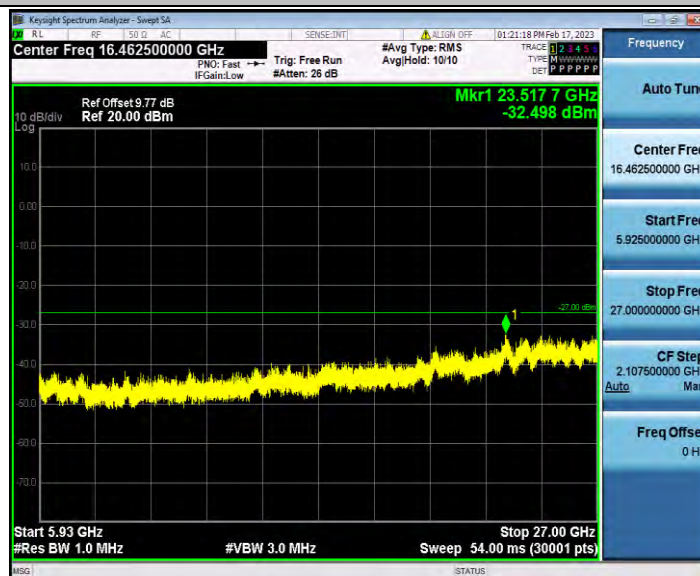
11N20SISO_Ant0_5745_5925~40000



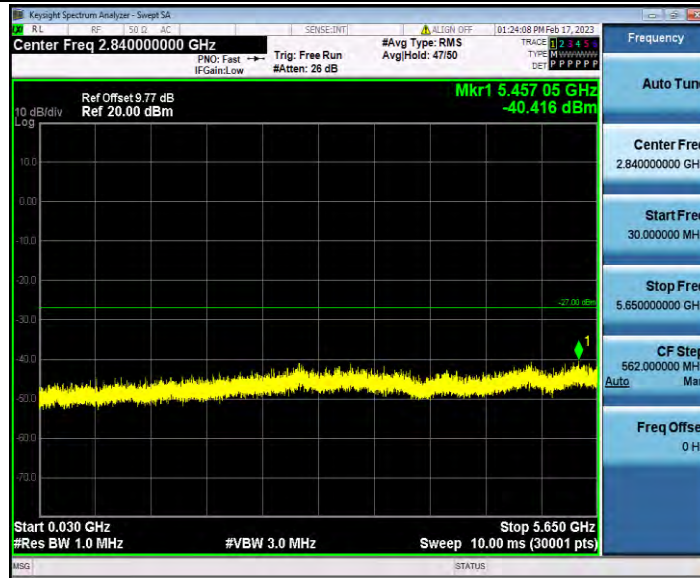
11N20SISO_Ant0_5785_30~5650



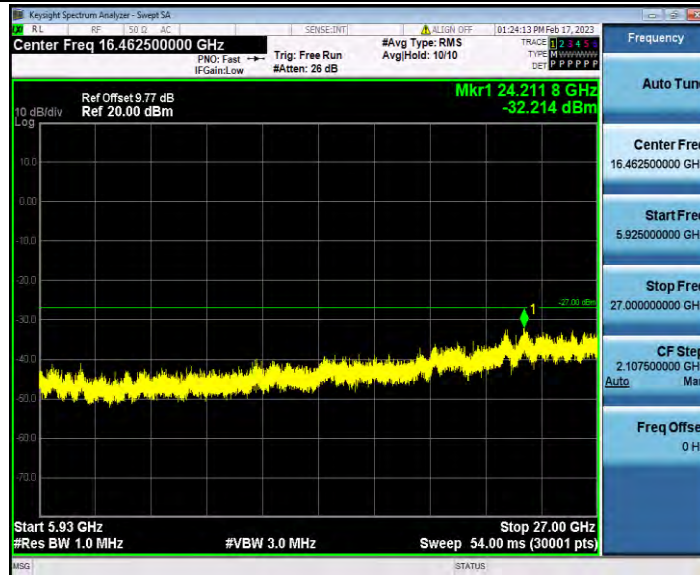
11N20SISO_Ant0_5785_5925~40000



11N20SISO_Ant0_5825_30~5650



11N20SISO_Ant0_5825_5925~40000



11N40SISO_Ant0_5755_30~5650



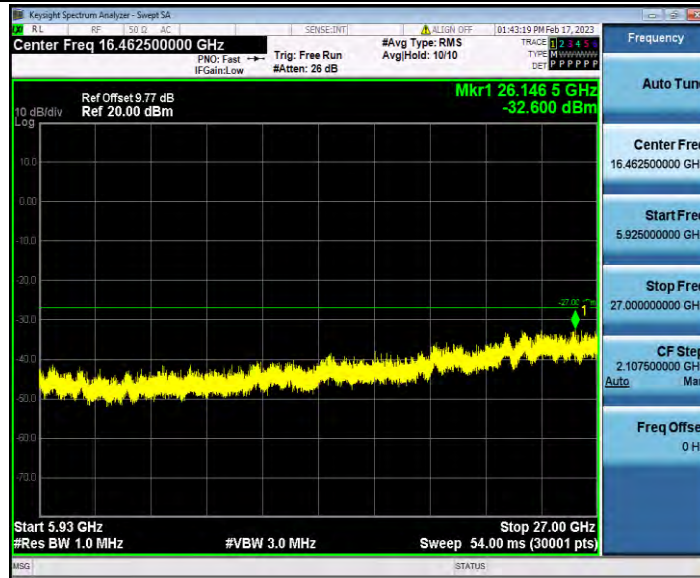
11N40SISO_Ant0_5755_5925~40000



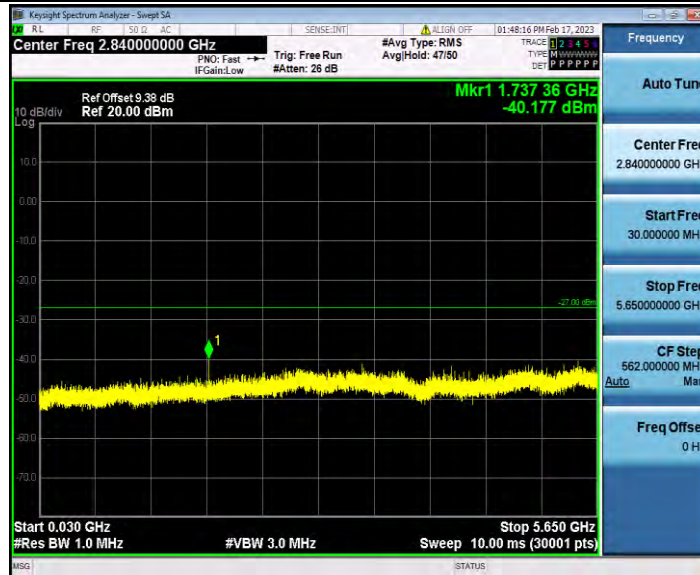
11N40SISO_Ant0_5795_30~5650



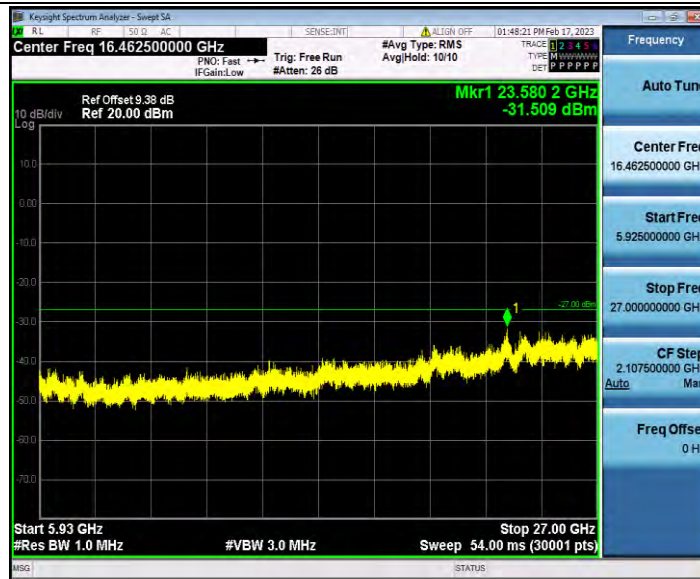
11N40SISO_Ant0_5795_5925~40000



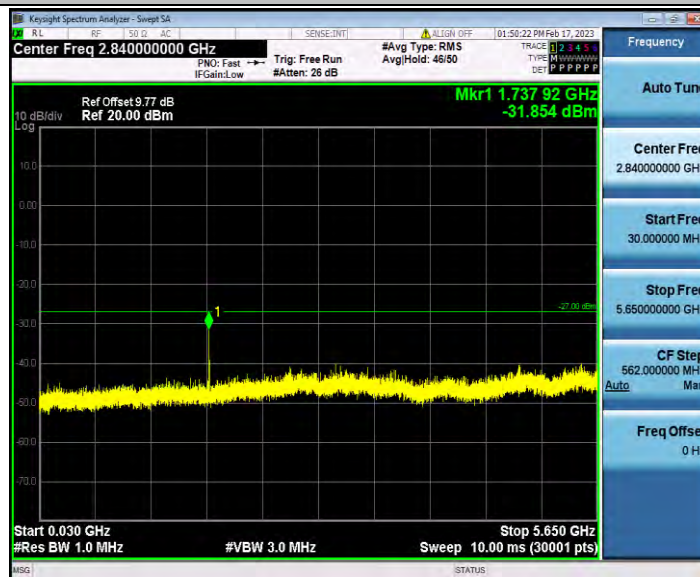
11AC20SISO_Ant0_5745_30~5650



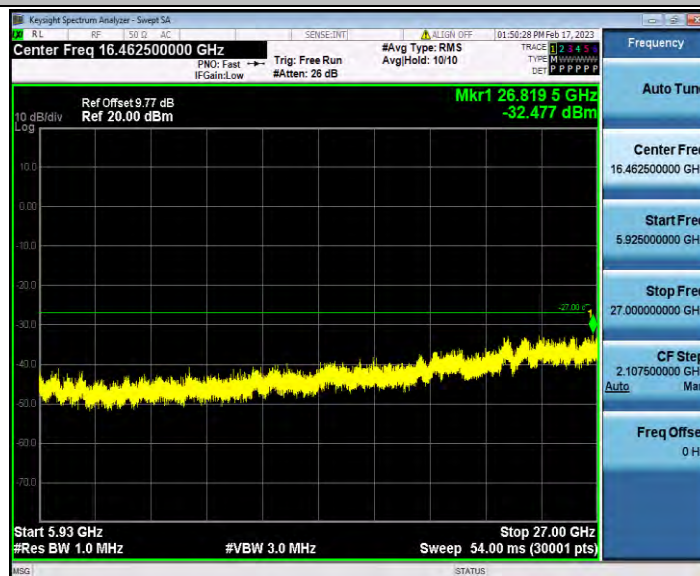
11AC20SISO_Ant0_5745_5925~40000



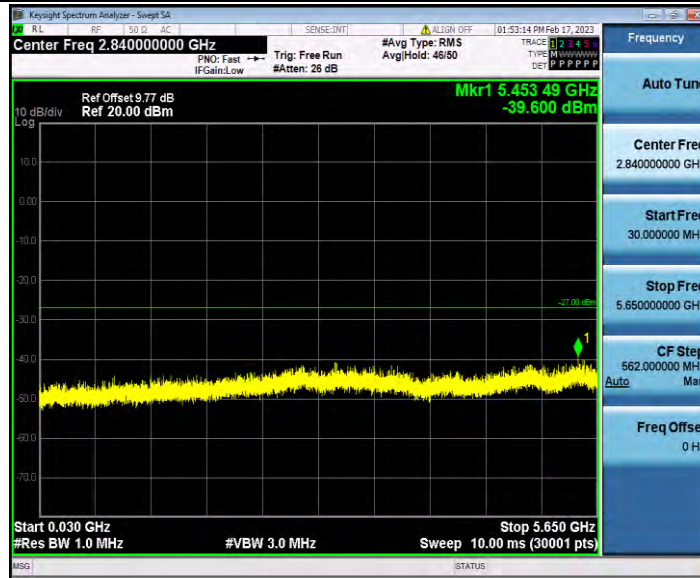
11AC20SISO_Ant0_5785_30~5650



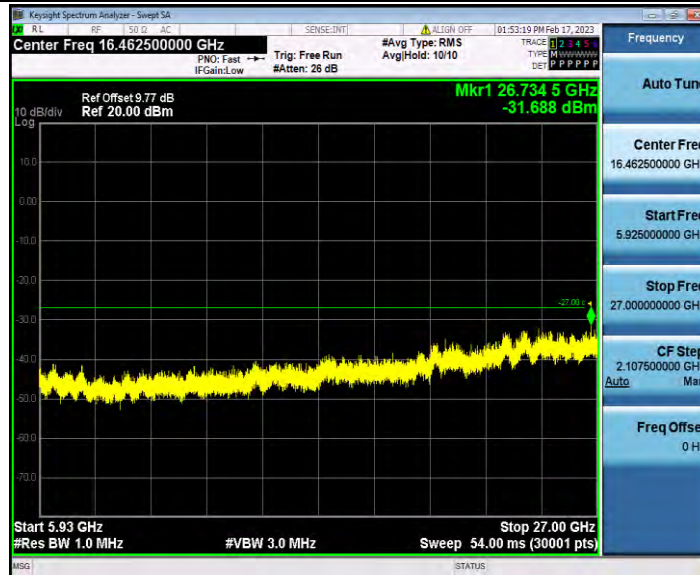
11AC20SISO_Ant0_5785_5925~40000



11AC20SISO_Ant0_5825_30~5650



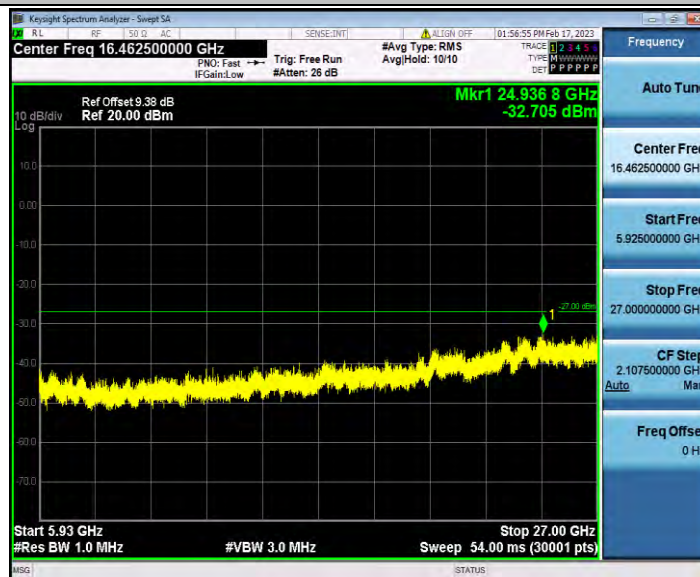
11AC20SISO_Ant0_5825_5925~40000



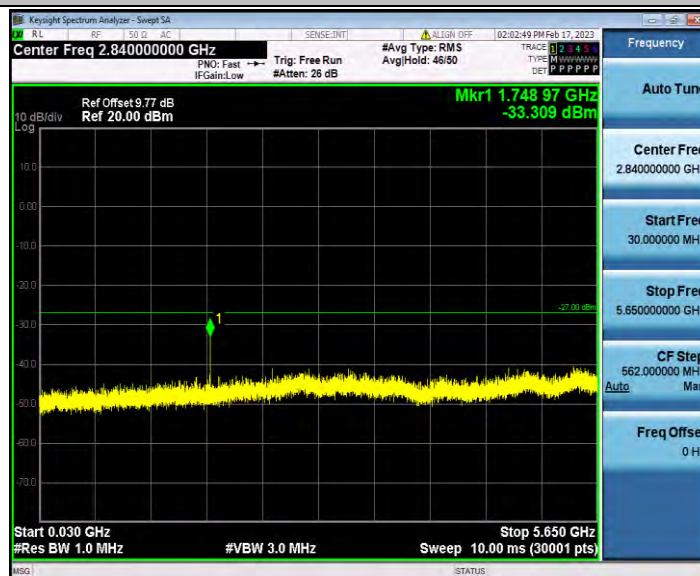
11AC40SISO_Ant0_5755_30~5650



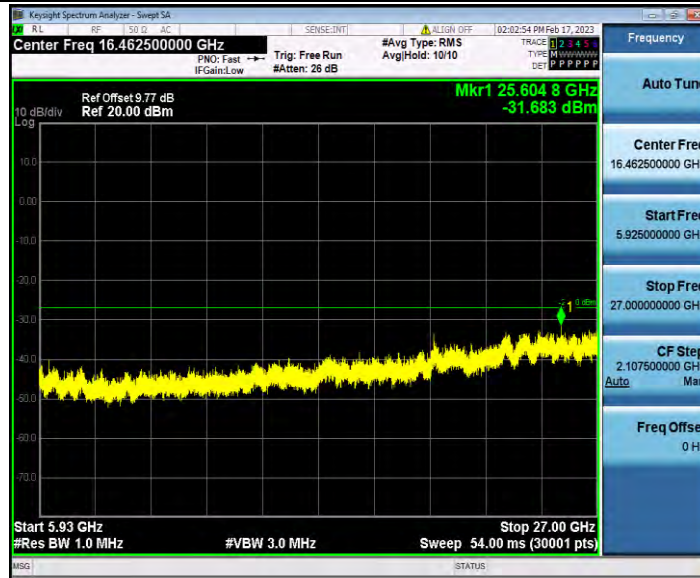
11AC40SISO_Ant0_5755_5925~40000



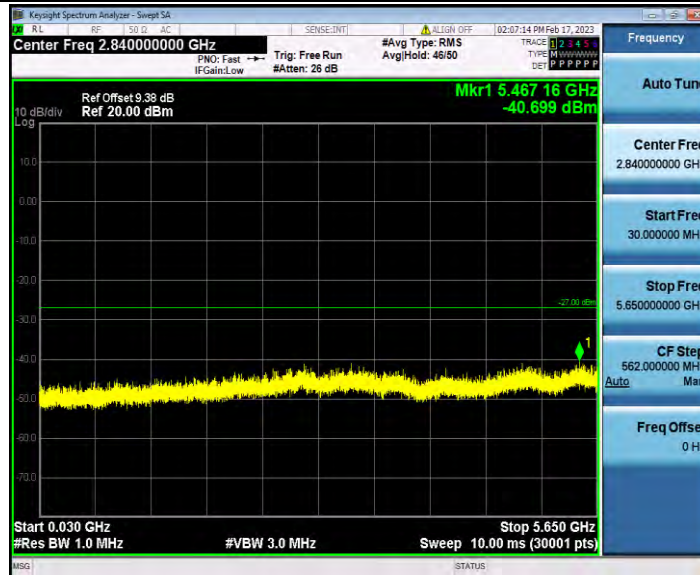
11AC40SISO_Ant0_5795_30~5650



11AC40SISO_Ant0_5795_5925~40000



11AC80SISO_Ant0_5775_30~5650



11AC80SISO_Ant0_5775_5925~40000

