

## 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	Ant1	5745	9.87	75.00	1.25	11.12	≤30.00	PASS
		5785	10.30	73.68	1.33	11.63	≤30.00	PASS
		5825	10.24	78.95	1.03	11.27	≤30.00	PASS
11N20SISO	Ant1	5745	9.92	77.27	1.12	11.04	≤30.00	PASS
		5785	10.52	77.27	1.12	11.64	≤30.00	PASS
		5825	10.33	78.26	1.06	11.39	≤30.00	PASS
11N40SISO	Ant1	5755	11.21	81.82	0.87	12.08	≤30.00	PASS
		5795	11.98	78.26	1.06	13.04	≤30.00	PASS
11AC20SISO	Ant1	5745	10.22	77.27	1.12	11.34	≤30.00	PASS
		5785	10.63	76.19	1.18	11.81	≤30.00	PASS
		5825	10.50	76.19	1.18	11.68	≤30.00	PASS
11AC40SISO	Ant1	5755	11.22	76.19	1.18	12.40	≤30.00	PASS
		5795	11.93	75.00	1.25	13.18	≤30.00	PASS
11AC80SISO	Ant1	5775	11.60	76.19	1.18	12.78	≤30.00	PASS
11AX20SISO	Ant1	5745	10.36	83.87	0.76	11.12	≤30.00	PASS
		5785	10.98	86.67	0.62	11.60	≤30.00	PASS
		5825	10.79	83.33	0.79	11.58	≤30.00	PASS
11AX40SISO	Ant1	5755	11.09	77.27	1.12	12.21	≤30.00	PASS
		5795	11.71	78.26	1.06	12.77	≤30.00	PASS
11AX80SISO	Ant1	5775	11.47	80.95	0.92	12.39	≤30.00	PASS

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

## Appendix E.5: Maximum power spectral density

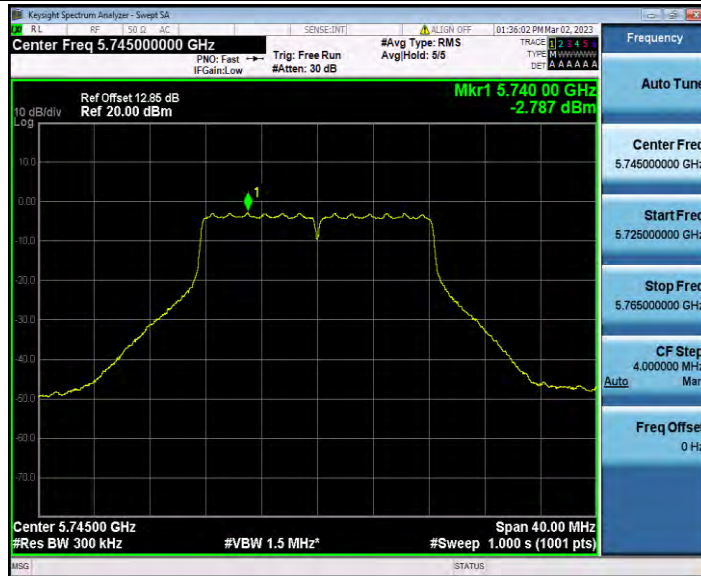
### Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-2.79	≤30.00	PASS
		5785	-2.09	≤30.00	PASS
		5825	-2.68	≤30.00	PASS
11N20SISO	Ant1	5745	-2.9	≤30.00	PASS
		5785	-2.16	≤30.00	PASS
		5825	-2.52	≤30.00	PASS
11N40SISO	Ant1	5755	-4.71	≤30.00	PASS
		5795	-3.74	≤30.00	PASS
11AC20SISO	Ant1	5745	-2.63	≤30.00	PASS
		5785	-2.1	≤30.00	PASS
		5825	-2.28	≤30.00	PASS
11AC40SISO	Ant1	5755	-4.44	≤30.00	PASS
		5795	-3.65	≤30.00	PASS
11AC80SISO	Ant1	5775	-6.24	≤30.00	PASS
11AX20SISO	Ant1	5745	-3.41	≤30.00	PASS
		5785	-3.02	≤30.00	PASS
		5825	-2.92	≤30.00	PASS
11AX40SISO	Ant1	5755	-4.89	≤30.00	PASS
		5795	-4.29	≤30.00	PASS
11AX80SISO	Ant1	5775	-7.25	≤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

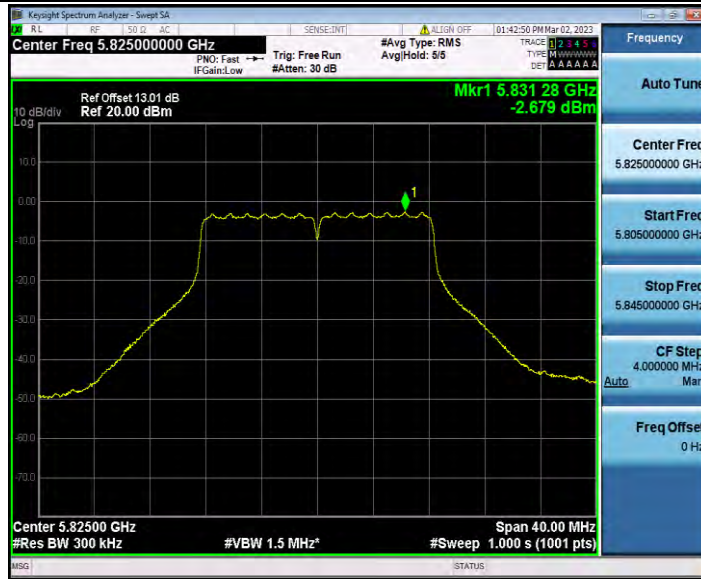
11A\_Ant1\_5745



11A\_Ant1\_5785



11A\_Ant1\_5825



11N20SISO\_Ant1\_5745



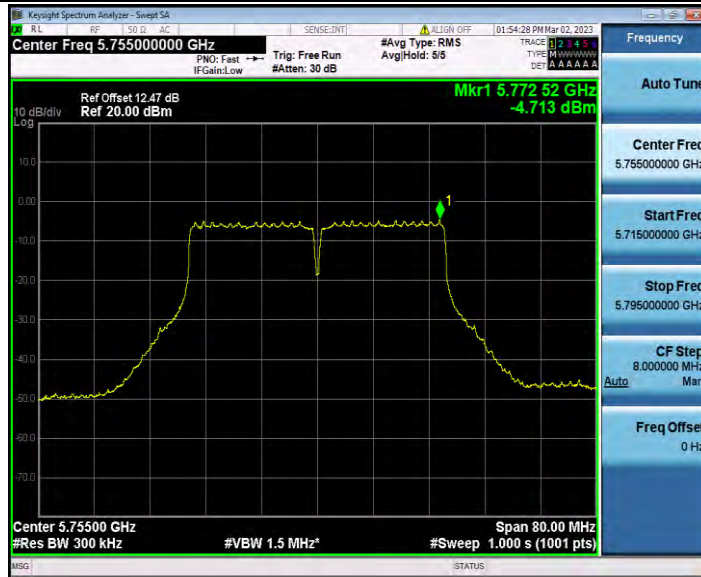
11N20SISO\_Ant1\_5785



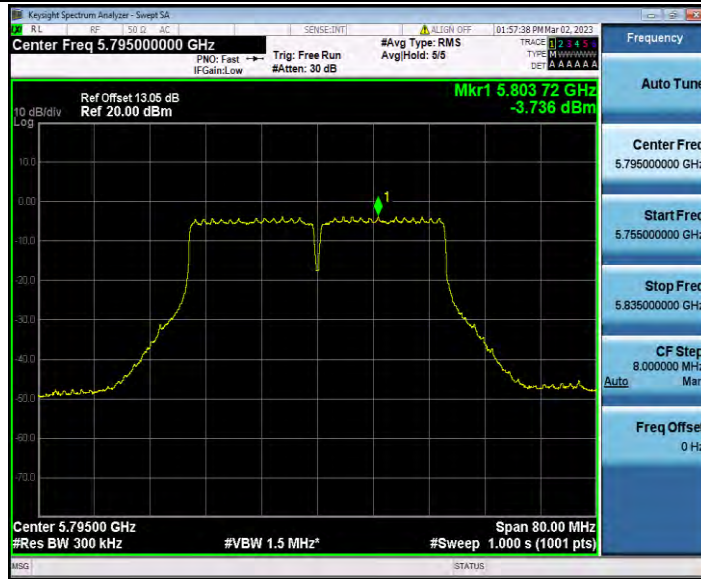
11N20SISO\_Ant1\_5825



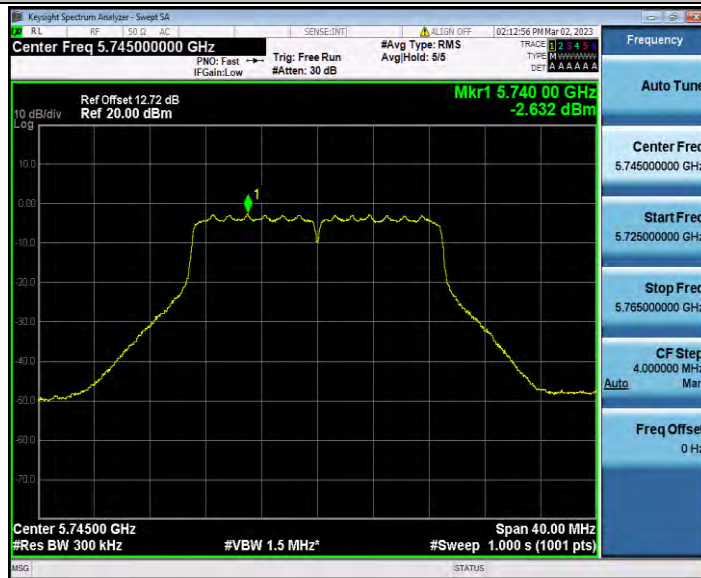
11N40SISO\_Ant1\_5755



11N40SISO\_Ant1\_5795



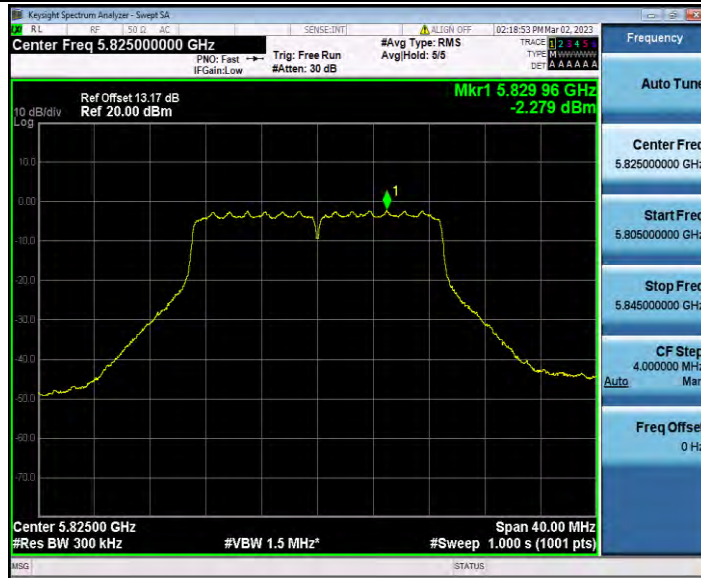
11AC20SISO\_Ant1\_5745



11AC20SISO\_Ant1\_5785



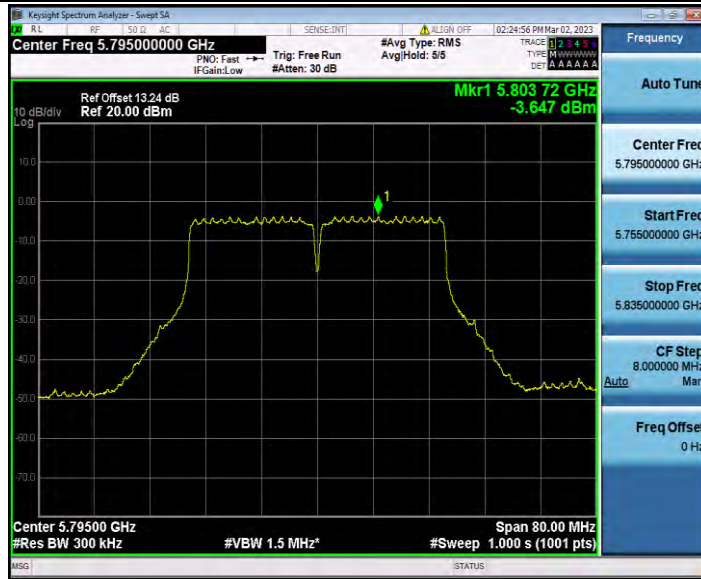
11AC20SISO\_Ant1\_5825



11AC40SISO\_Ant1\_5755



11AC40SISO\_Ant1\_5795



11AC80SISO\_Ant1\_5775

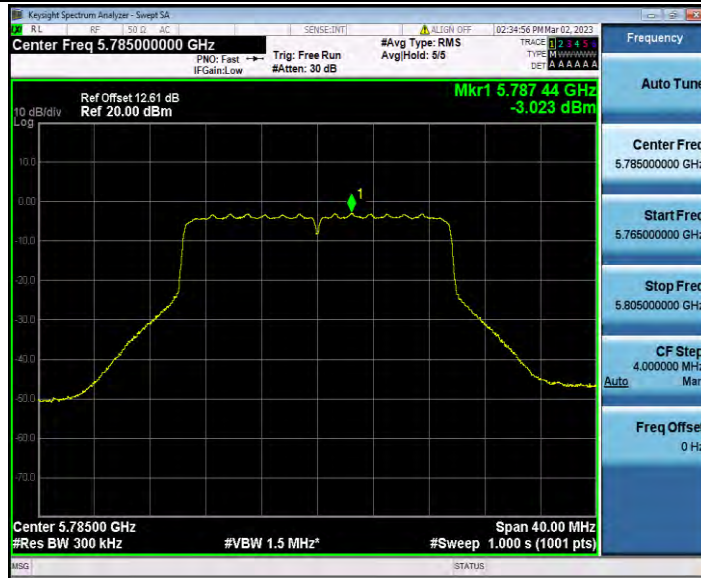


11AX20SISO\_Ant1\_5745

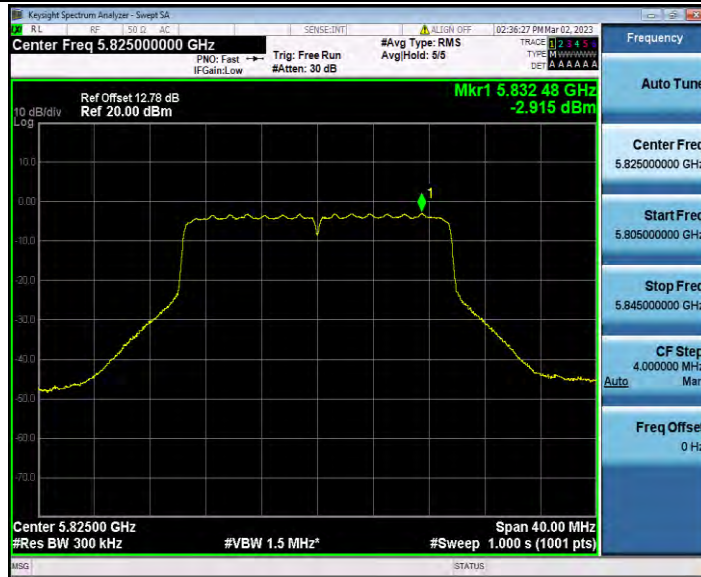




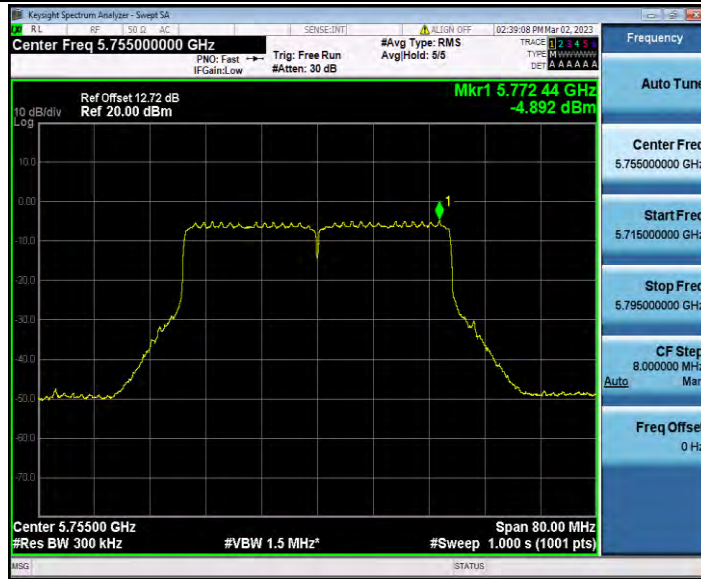
11AX20SISO\_Ant1\_5785



11AX20SISO\_Ant1\_5825



11AX40SISO\_Ant1\_5755



11AX40SISO\_Ant1\_5795



11AX80SISO\_Ant1\_5775



## Appendix E.6: Band edge measurements

### Test Result B4

TestMode	Antenna	ChName	Frequency[MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-39.37	≤8.36	PASS
				5700~5720	-39.24	≤11.25	PASS
				5720~5725	-37.03	≤23.94	PASS
				5760~5650	-40.39	≤-27	PASS
		High	5825	5850~5855	-36.97	≤23.80	PASS
				5855~5875	-38	≤10.70	PASS
				5875~5925	-38.51	≤-3.18	PASS
5925~5935	-38.53	≤-27	PASS				
11N20SI SO	Ant1	Low	5745	5650~5700	-39.09	≤-2.79	PASS
				5700~5720	-39.16	≤11.41	PASS
				5720~5725	-36.89	≤24.99	PASS
				5760~5650	-40.62	≤-27	PASS
		High	5825	5850~5855	-35.54	≤15.79	PASS
				5855~5875	-38.31	≤13.58	PASS
				5875~5925	-38.47	≤-21.36	PASS
5925~5935	-39.49	≤-27	PASS				
11N40SI SO	Ant1	Low	5755	5650~5700	-37.59	≤-1.93	PASS
				5700~5720	-35.97	≤15.58	PASS
				5720~5725	-35.95	≤24.66	PASS
				5780~5650	-39	≤-27	PASS
		High	5795	5850~5855	-37.39	≤16.03	PASS
				5855~5875	-37.63	≤13.97	PASS
				5875~5925	-38.18	≤-14.71	PASS
5925~5935	-38.52	≤-27	PASS				
11AC20S ISO	Ant1	Low	5745	5650~5700	-39.1	≤1.13	PASS
				5700~5720	-38.37	≤15.56	PASS
				5720~5725	-38.06	≤23.16	PASS
				5760~5650	-40.11	≤-27	PASS
		High	5825	5850~5855	-37.08	≤18.56	PASS
				5855~5875	-38.14	≤10.48	PASS
				5875~5925	-38.16	≤-3.88	PASS
5925~5935	-38.26	≤-27	PASS				
11AC40S ISO	Ant1	Low	5755	5650~5700	-37.2	≤9.56	PASS
				5700~5720	-35.89	≤15.47	PASS
				5720~5725	-34.71	≤17.58	PASS

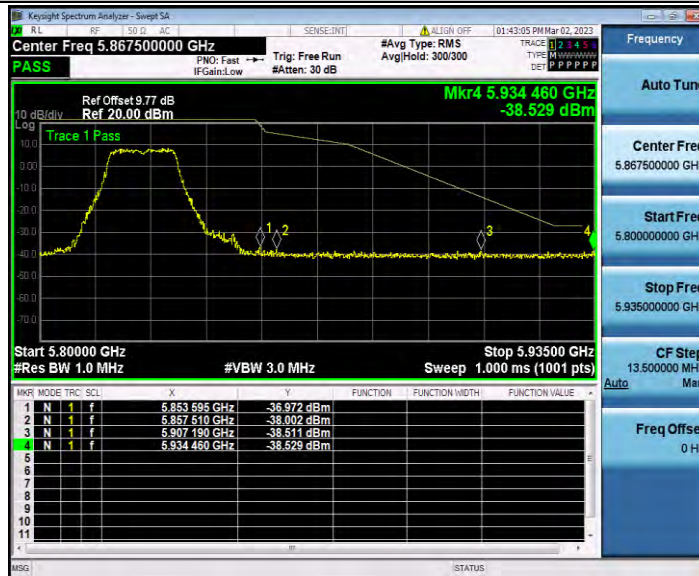
				5780~5650	-39.43	$\leq -27$	PASS
		High	5795	5850~5855	-36.95	$\leq 26.94$	PASS
				5855~5875	-37.02	$\leq 11.01$	PASS
				5875~5925	-38.4	$\leq -9.83$	PASS
				5925~5935	-38.1	$\leq -27$	PASS
11AC80S ISO	Ant1	Low	5775	5650~5700	-34.91	$\leq 4.97$	PASS
				5700~5720	-34.25	$\leq 15.30$	PASS
				5720~5725	-30.63	$\leq 23.42$	PASS
				5800~5650	-38.54	$\leq -27$	PASS
		High	5775	5850~5855	-33.94	$\leq 22.12$	PASS
				5855~5875	-34.76	$\leq 10.07$	PASS
				5875~5925	-36.33	$\leq -25.72$	PASS
				5925~5935	-38.07	$\leq -27$	PASS
11AX20SI SO	Ant1	Low	5745	5650~5700	-39.24	$\leq -8.32$	PASS
				5700~5720	-38.45	$\leq 12.28$	PASS
				5720~5725	-36.76	$\leq 26.04$	PASS
				5760~5650	-39.8	$\leq -27$	PASS
		High	5825	5850~5855	-33.81	$\leq 17.33$	PASS
				5855~5875	-37.85	$\leq 15.13$	PASS
				5875~5925	-38.44	$\leq -24.46$	PASS
				5925~5935	-38.12	$\leq -27$	PASS
11AX40SI SO	Ant1	Low	5755	5650~5700	-38.86	$\leq -10.22$	PASS
				5700~5720	-36.04	$\leq 15.47$	PASS
				5720~5725	-36.27	$\leq 19.74$	PASS
				5780~5650	-40.43	$\leq -27$	PASS
		High	5795	5850~5855	-38.12	$\leq 23.93$	PASS
				5855~5875	-37.11	$\leq 11.10$	PASS
				5875~5925	-38.15	$\leq -7.51$	PASS
				5925~5935	-39.45	$\leq -27$	PASS
11AX80SI SO	Ant1	Low	5775	5650~5700	-35.67	$\leq 4.40$	PASS
				5700~5720	-36.68	$\leq 14.95$	PASS
				5720~5725	-32.15	$\leq 25.54$	PASS
				5800~5650	-39.69	$\leq -27$	PASS
		High	5775	5850~5855	-33.35	$\leq 24.65$	PASS
				5855~5875	-36.83	$\leq 10.02$	PASS
				5875~5925	-37.79	$\leq -24.08$	PASS
				5925~5935	-38.62	$\leq -27$	PASS

# Test Graphs B4

11A\_Ant1\_Low\_5745



11A\_Ant1\_High\_5825



11N20SISO\_Ant1\_Low\_5745



11N20SISO\_Ant1\_High\_5825



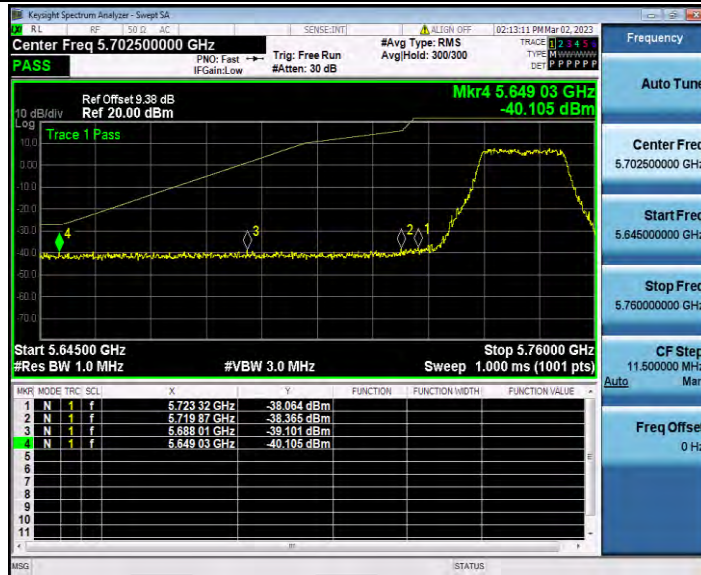
11N40SISO\_Ant1\_Low\_5755



11N40SISO\_Ant1\_High\_5795



11AC20SISO\_Ant1\_Low\_5745



11AC20SISO\_Ant1\_High\_5825



11AC40SISO\_Ant1\_Low\_5755



11AC40SISO\_Ant1\_High\_5795





11AC80SISO\_Ant1\_Low\_5775



11AC80SISO\_Ant1\_High\_5775



11AX20SISO\_Ant1\_Low\_5745



11AX20SISO\_Ant1\_High\_5825



11AX40SISO\_Ant1\_Low\_5755



11AX40SISO\_Ant1\_High\_5795



11AX80SISO\_Ant1\_Low\_5775



11AX80SISO\_Ant1\_High\_5775



## Appendix E.7: Conducted Spurious Emission

### Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	5466.79	-40.67	≤-27	PASS
			5925~40000	25252.88	-32.58	≤-27	PASS
		5785	30~5650	3503.72	-40.51	≤-27	PASS
			5925~40000	25599.22	-31.65	≤-27	PASS
		5825	30~5650	2659.6	-40.27	≤-27	PASS
			5925~40000	26034.77	-32.12	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	5425.2	-40.85	≤-27	PASS
			5925~40000	23501.55	-32.98	≤-27	PASS
		5785	30~5650	4931.39	-40.74	≤-27	PASS
			5925~40000	24261.66	-31.69	≤-27	PASS
		5825	30~5650	4935.32	-40.69	≤-27	PASS
			5925~40000	26932.56	-31.88	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	5528.05	-40.79	≤-27	PASS
			5925~40000	24251.12	-32.69	≤-27	PASS
		5795	30~5650	5334.53	-40.59	≤-27	PASS
			5925~40000	23455.89	-32.76	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	5074.7	-40.39	≤-27	PASS
			5925~40000	26099.4	-32.45	≤-27	PASS
		5785	30~5650	5489.46	-40.16	≤-27	PASS
			5925~40000	26074.81	-31.87	≤-27	PASS
		5825	30~5650	5426.32	-40.61	≤-27	PASS
			5925~40000	26027.04	-31.77	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	2656.79	-40.39	≤-27	PASS
			5925~40000	25273.26	-32.63	≤-27	PASS
		5795	30~5650	2770.31	-40.39	≤-27	PASS
			5925~40000	26828.59	-32.13	≤-27	PASS
11AC80SISO	Ant1	5775	30~5650	5624.15	-40.64	≤-27	PASS
			5925~40000	26866.53	-32.68	≤-27	PASS
11AX20SISO	Ant1	5745	30~5650	5434.38	-40.52	≤-27	PASS
			5925~40000	24279.22	-32.86	≤-27	PASS
		5785	30~5650	5431.19	-39.07	≤-27	PASS
			5925~40000	25248.67	-32.54	≤-27	PASS
		5825	30~5650	5419.77	-39.92	≤-27	PASS
			5925~40000	25130.65	-32.58	≤-27	PASS
11AX40SISO	Ant1	5755	30~5650	4970.54	-40.77	≤-27	PASS
			5925~40000	23493.12	-32.94	≤-27	PASS

		5795	30~5650	5460.23	-40.64	≤-27	PASS
			5925~40000	24213.89	-31.28	≤-27	PASS
11AX80SISO	Ant1	5775	30~5650	5612.53	-39.65	≤-27	PASS
			5925~40000	24913.58	-32.4	≤-27	PASS

# Test Graphs

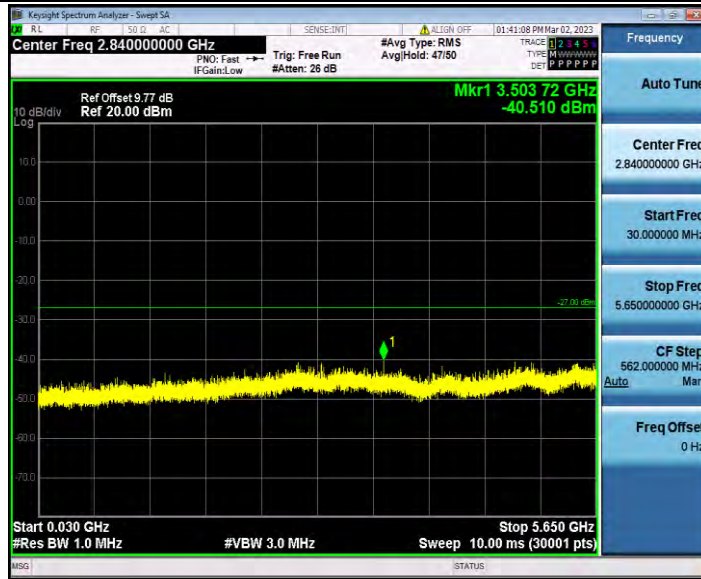
11A\_Ant1\_5745\_30~5650



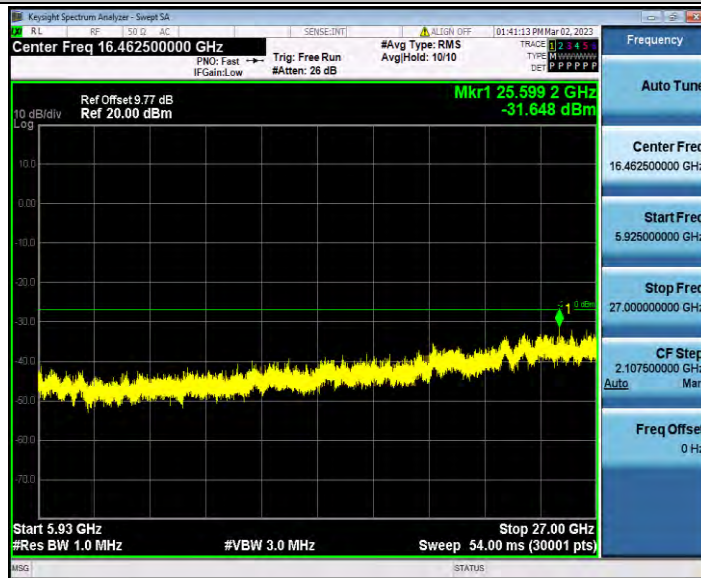
11A\_Ant1\_5745\_5925~40000



11A\_Ant1\_5785\_30~5650



11A\_Ant1\_5785\_5925~40000



11A\_Ant1\_5825\_30~5650





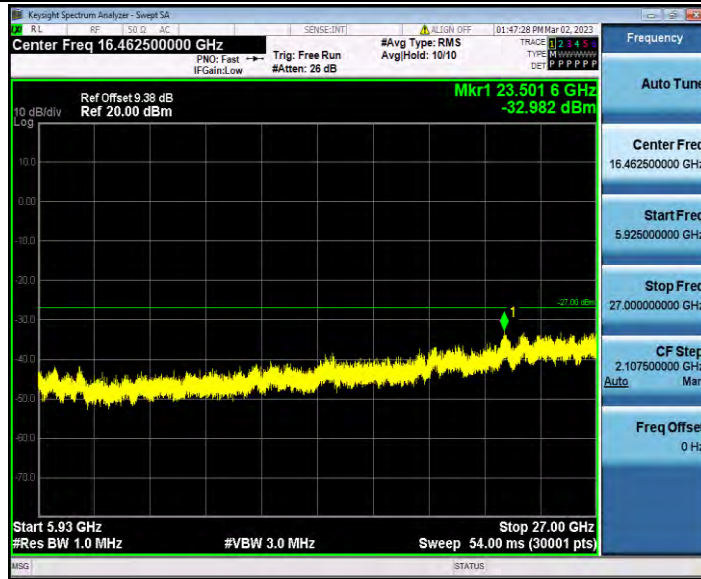
11A\_Ant1\_5825\_5925~40000



11N20SISO\_Ant1\_5745\_30~5650



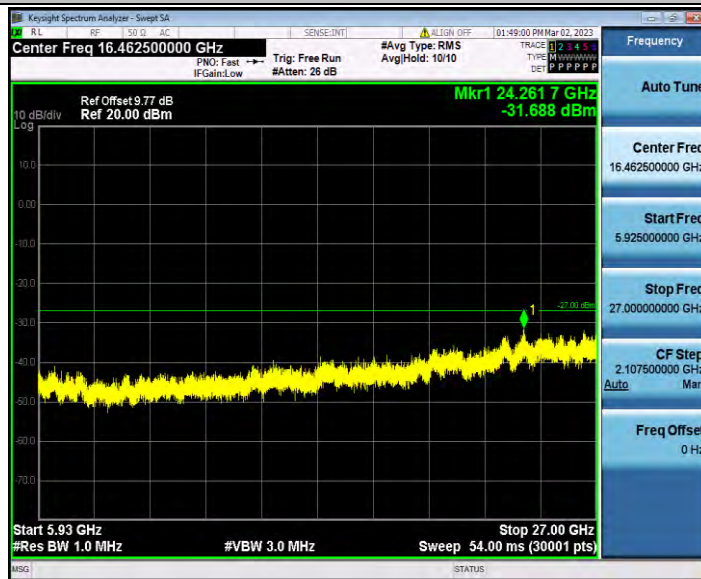
11N20SISO\_Ant1\_5745\_5925~40000



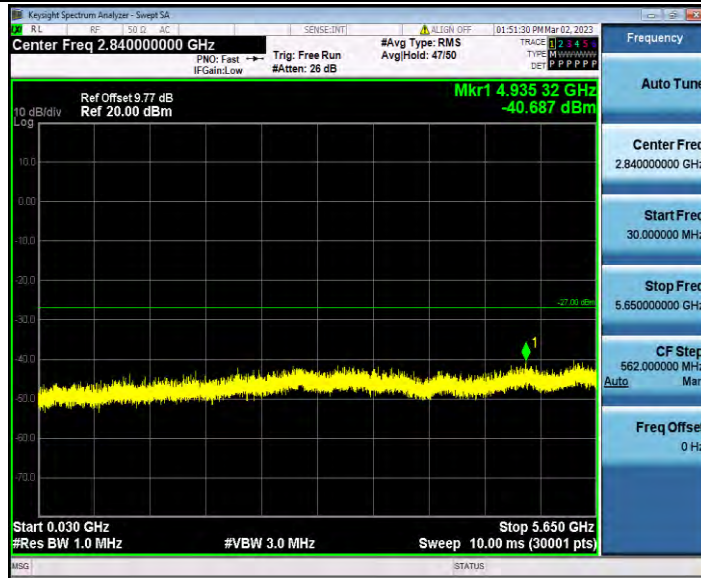
11N20SISO\_Ant1\_5785\_30~5650



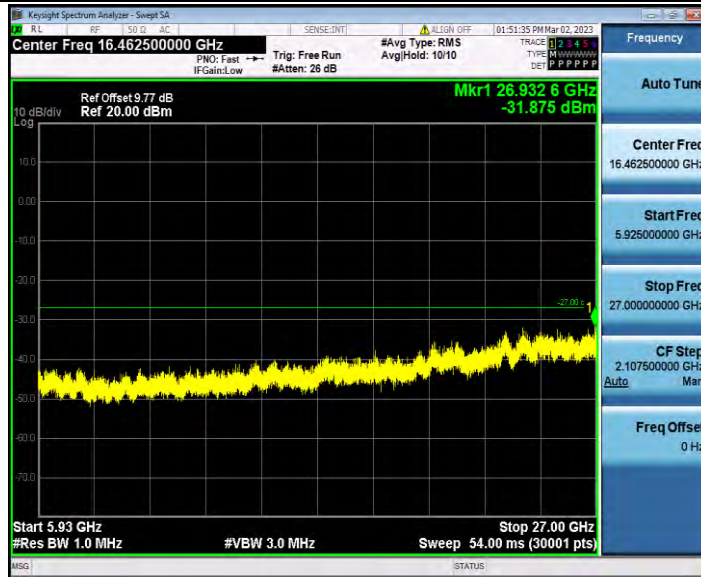
11N20SISO\_Ant1\_5785\_5925~40000



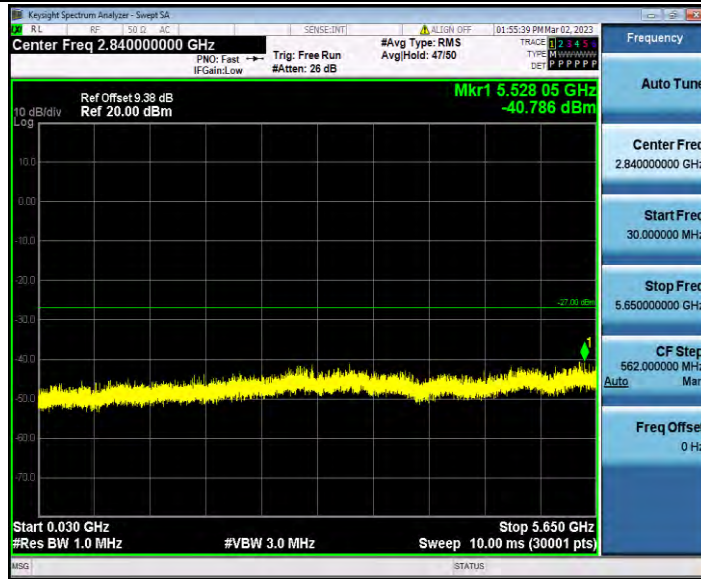
11N20SISO\_Ant1\_5825\_30~5650



11N20SISO\_Ant1\_5825\_5925~40000



11N40SISO\_Ant1\_5755\_30~5650



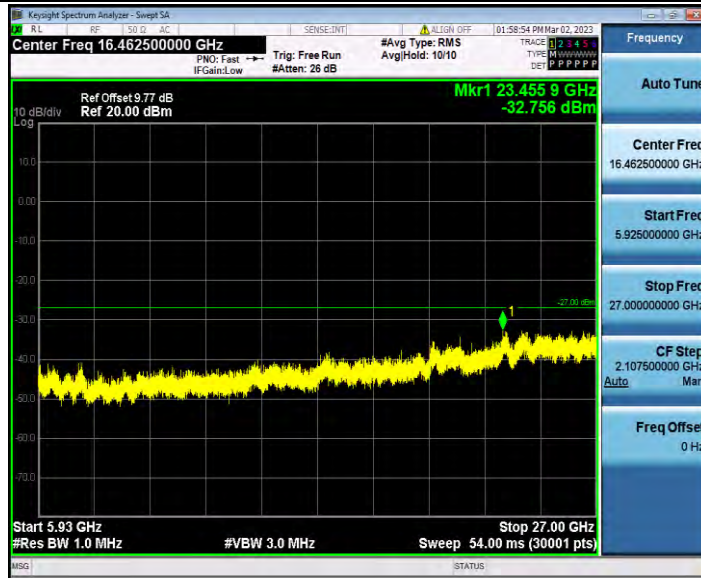
11N40SISO\_Ant1\_5755\_5925~40000



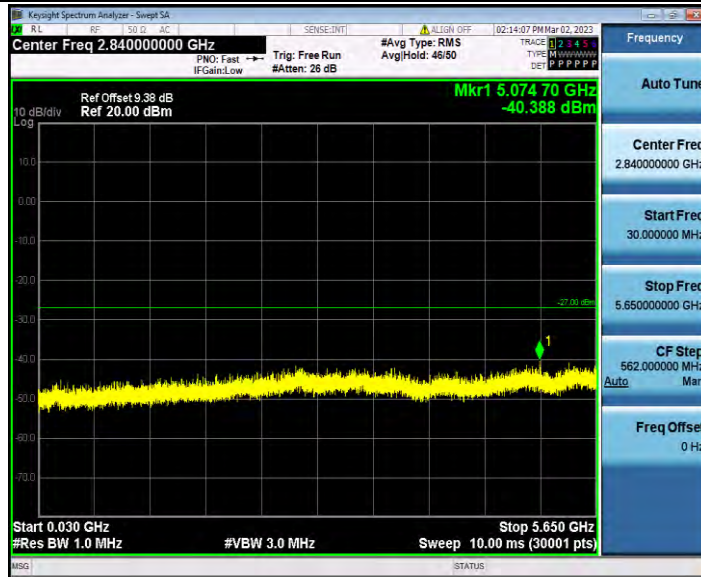
11N40SISO\_Ant1\_5795\_30~5650



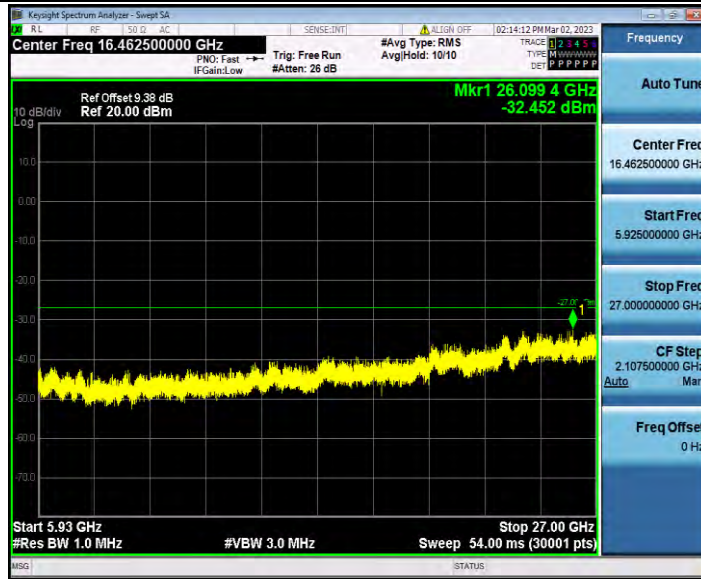
11N40SISO\_Ant1\_5795\_5925~40000



11AC20SISO\_Ant1\_5745\_30~5650



11AC20SISO\_Ant1\_5745\_5925~40000



11AC20SISO\_Ant1\_5785\_30~5650



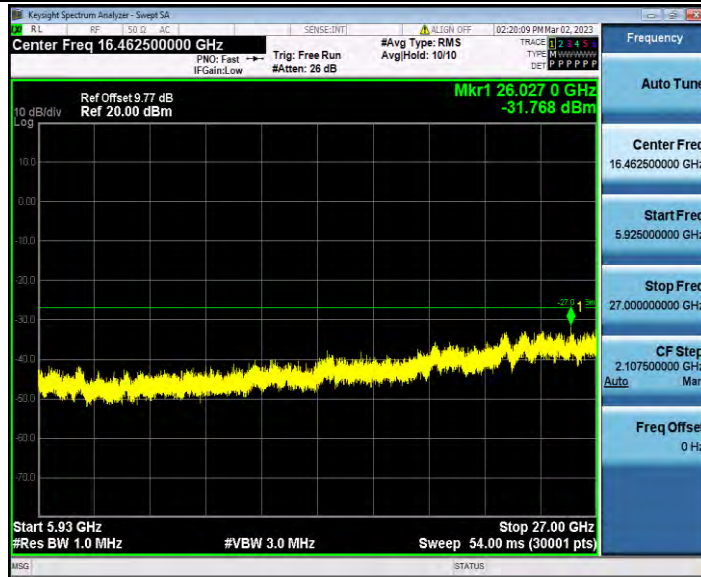
11AC20SISO\_Ant1\_5785\_5925~40000



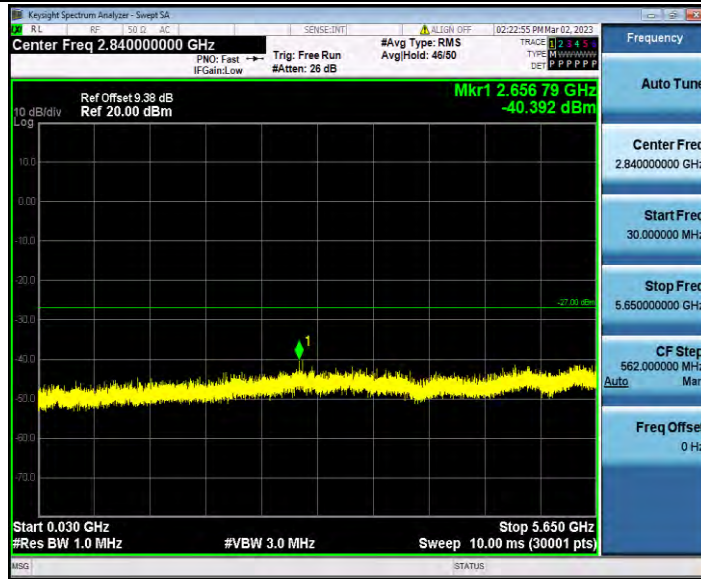
11AC20SISO\_Ant1\_5825\_30~5650



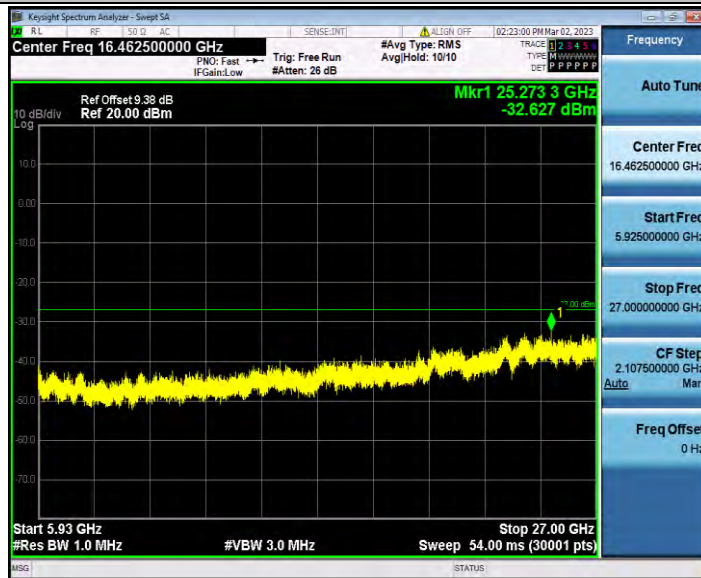
11AC20SISO\_Ant1\_5825\_5925~40000



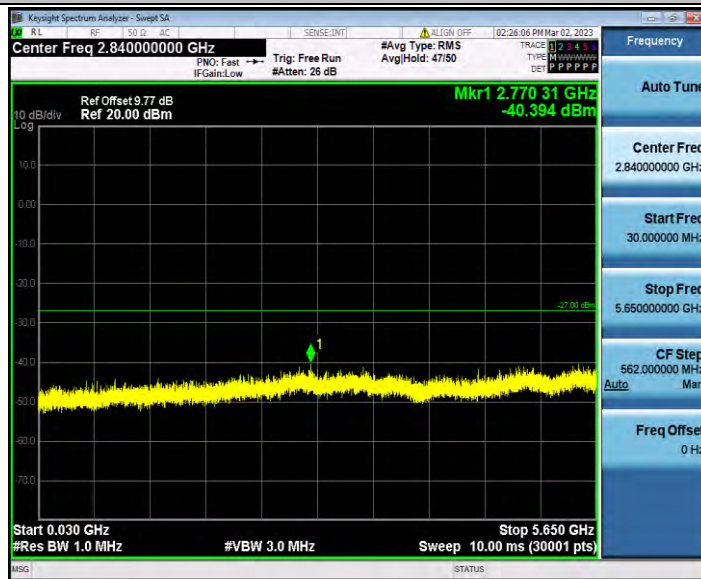
11AC40SISO\_Ant1\_5755\_30~5650



11AC40SISO\_Ant1\_5755\_5925~4000

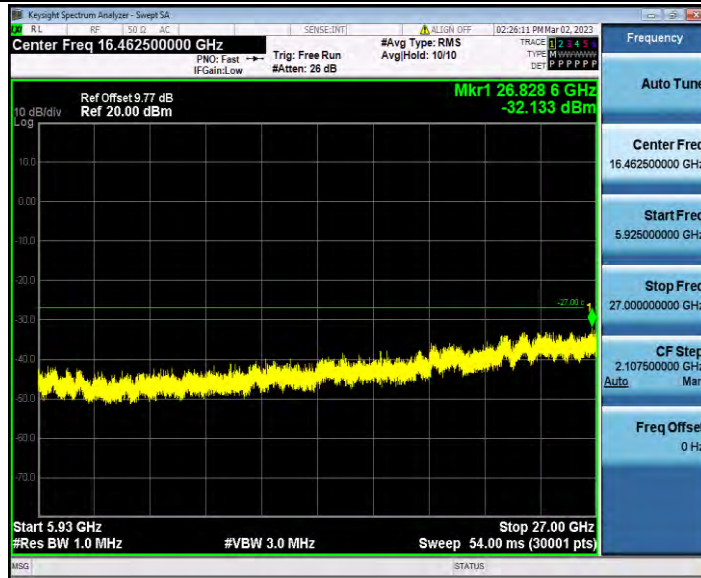


11AC40SISO\_Ant1\_5795\_30~5650

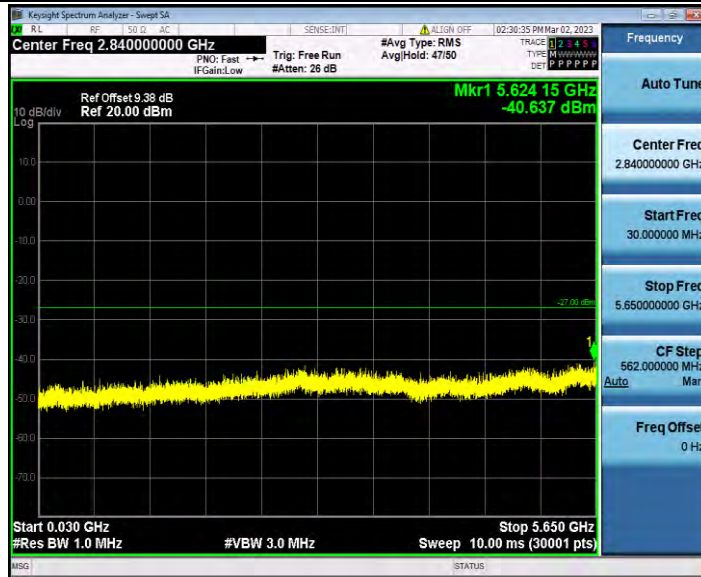




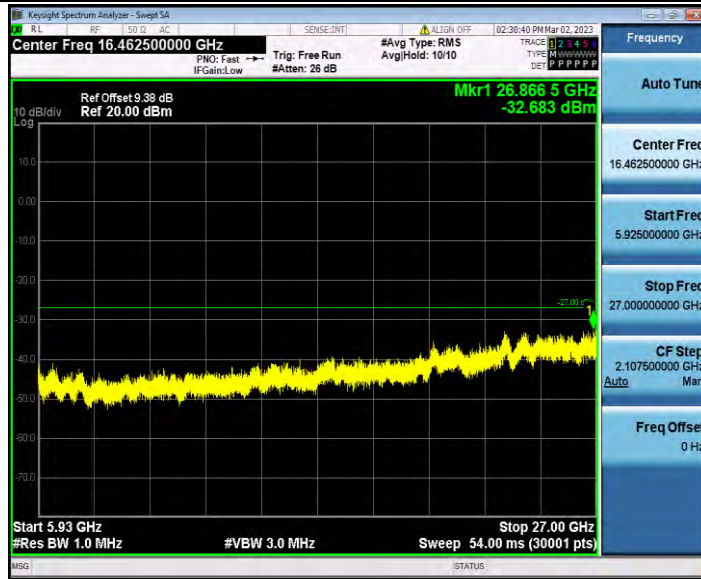
11AC40SISO\_Ant1\_5795\_5925~40000



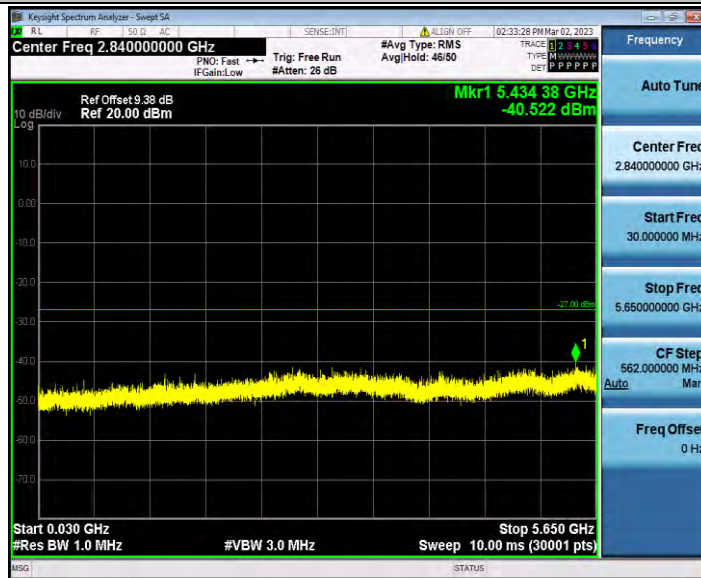
11AC80SISO\_Ant1\_5775\_30~5650



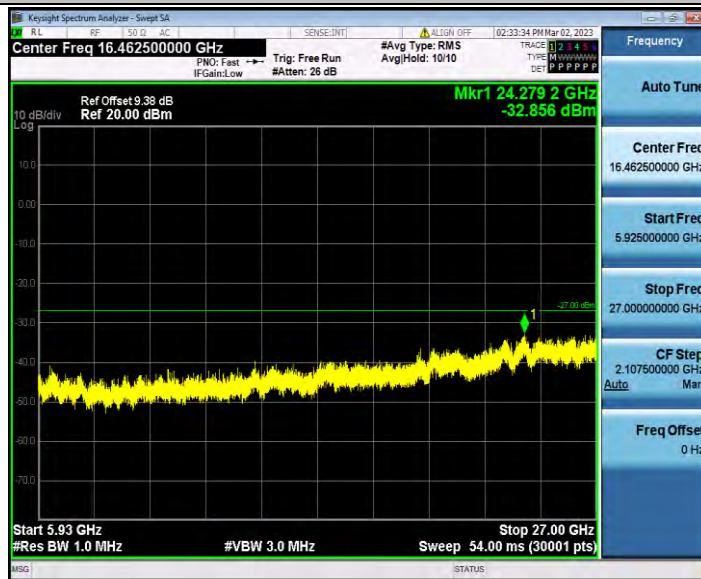
11AC80SISO\_Ant1\_5775\_5925~40000



11AX20SISO\_Ant1\_5745\_30~5650



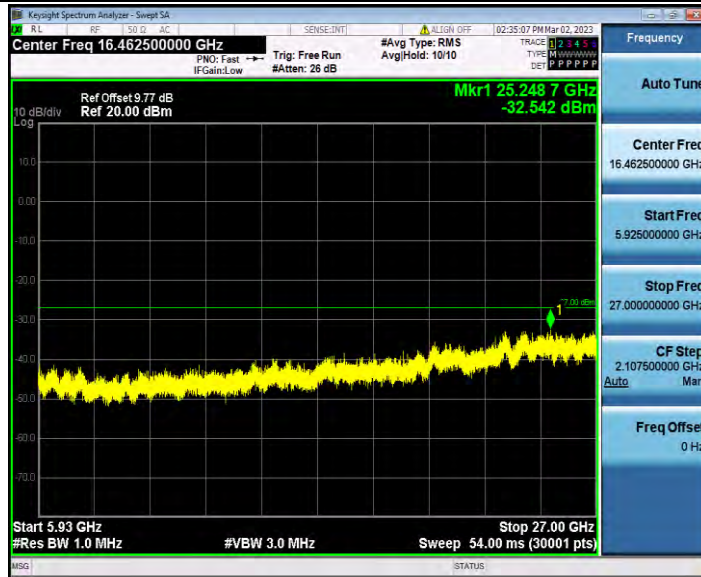
11AX20SISO\_Ant1\_5745\_5925~40000



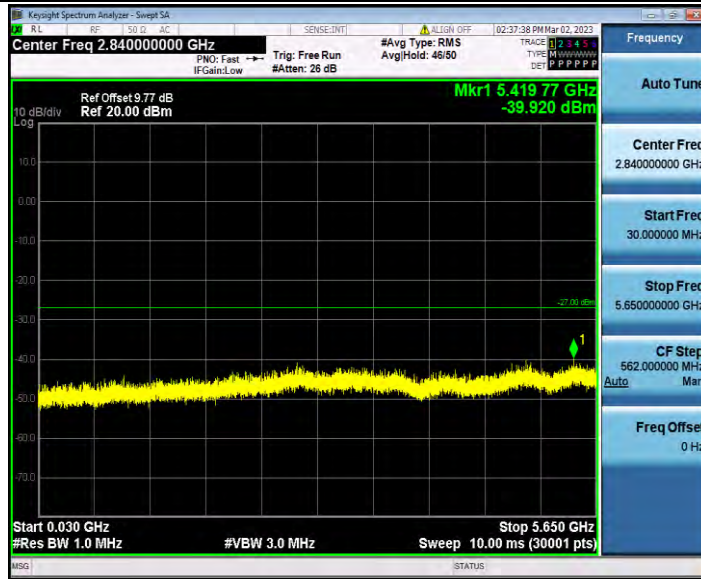
11AX20SISO\_Ant1\_5785\_30~5650



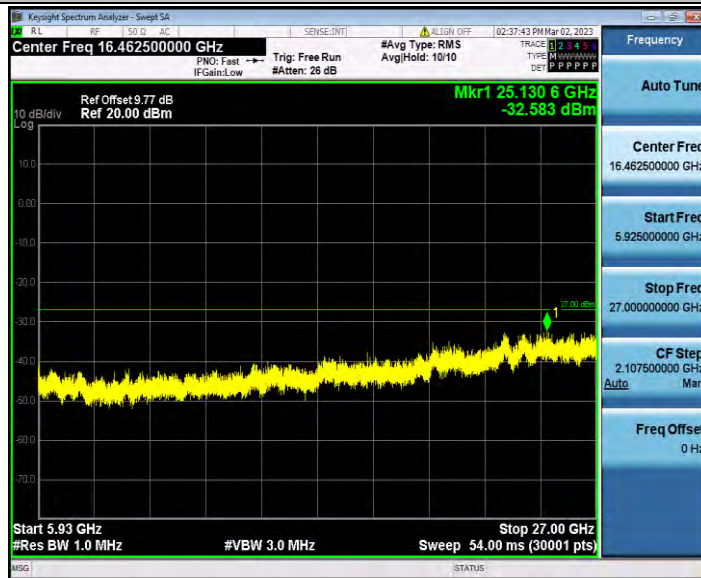
11AX20SISO\_Ant1\_5785\_5925~40000



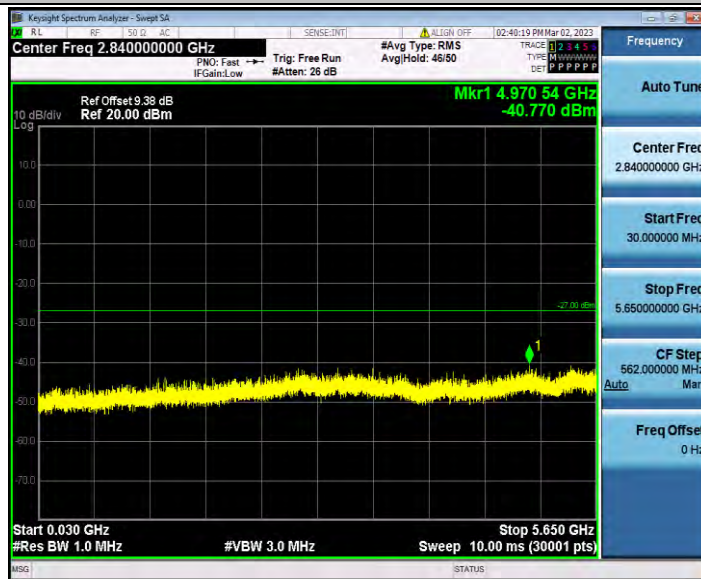
11AX20SISO\_Ant1\_5825\_30~5650



11AX20SISO\_Ant1\_5825\_5925~4000



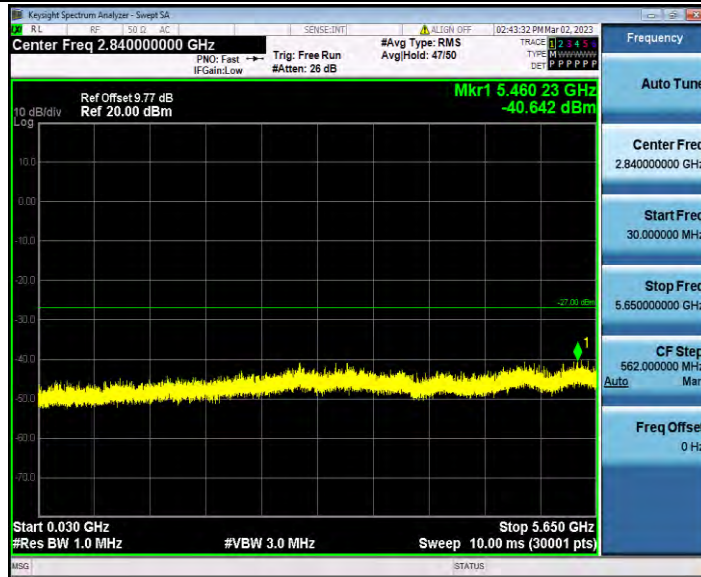
11AX40SISO\_Ant1\_5755\_30~5650



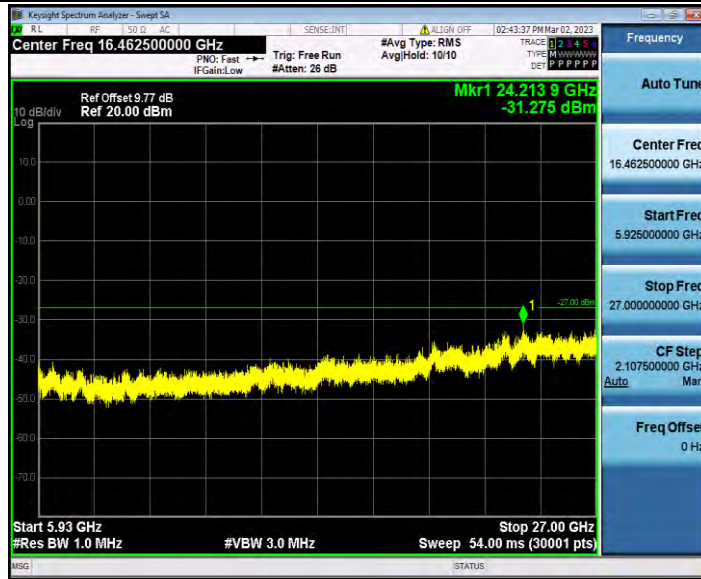
11AX40SISO\_Ant1\_5755\_5925~40000



11AX40SISO\_Ant1\_5795\_30~5650



11AX40SISO\_Ant1\_5795\_5925~40000



11AX80SISO\_Ant1\_5775\_30~5650



11AX80SISO\_Ant1\_5775\_5925~40000

