

Case No. : GTS20220224018-2-13	
Ambient Condition: 22 °C, 47 %RH,	
Test Date: 2022.5.12	Test Engineer: Jenny Zeng

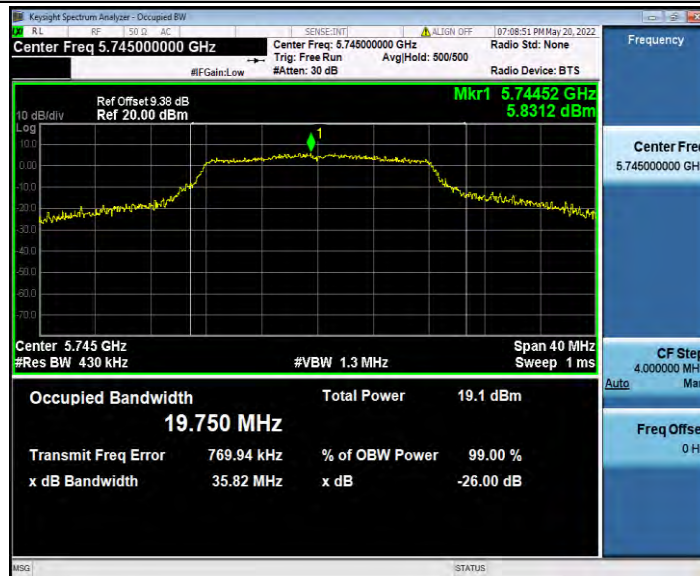
Appendix E.1: Occupied channel bandwidth

Test Result

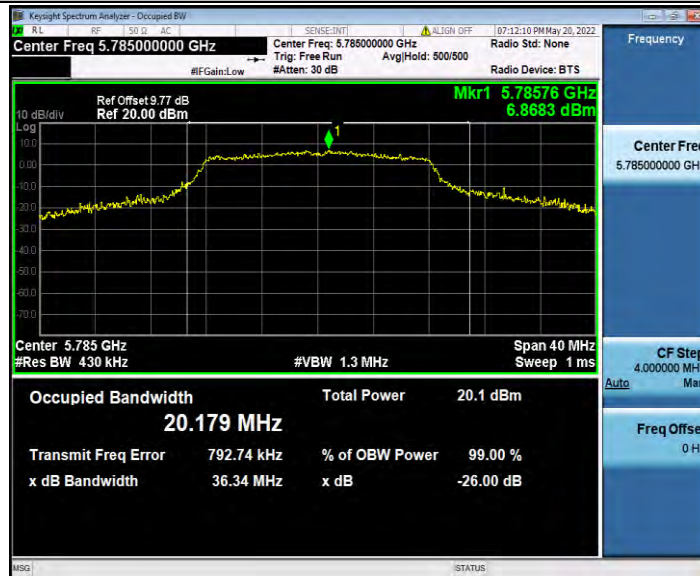
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	19.750	5735.895	5755.645	---	---
		5785	20.179	5775.703	5795.882	---	---
		5825	20.227	5815.547	5835.774	---	---
11N20SISO	Ant1	5745	21.711	5735.264	5756.975	---	---
		5785	22.105	5775.109	5797.214	---	---
		5825	22.250	5814.684	5836.934	---	---
11N40SISO	Ant1	5755	48.429	5732.871	5781.300	---	---
		5795	53.094	5769.955	5823.049	---	---
11AC20SISO	Ant1	5745	21.313	5735.340	5756.653	---	---
		5785	21.712	5775.177	5796.889	---	---
		5825	22.283	5814.581	5836.864	---	---
11AC40SISO	Ant1	5755	48.326	5733.154	5781.480	---	---
		5795	53.259	5769.758	5823.017	---	---
11AC80SISO	Ant1	5775	77.649	5736.686	5814.335	---	---

Test Graphs

11A_Ant1_5745



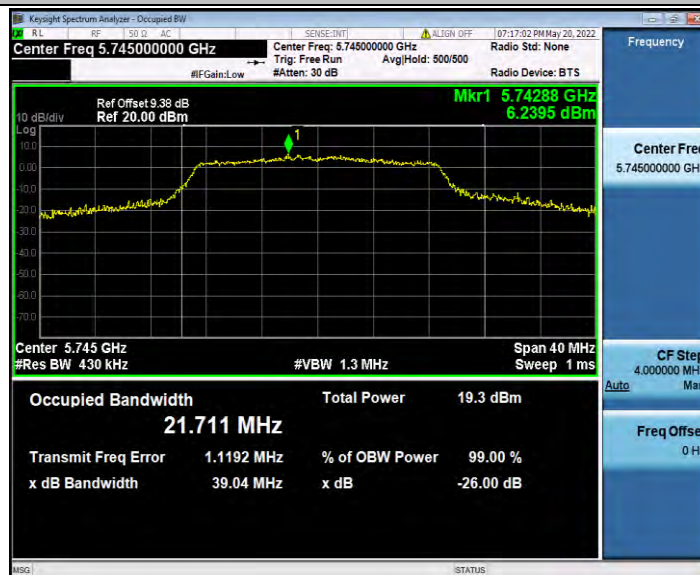
11A_Ant1_5785



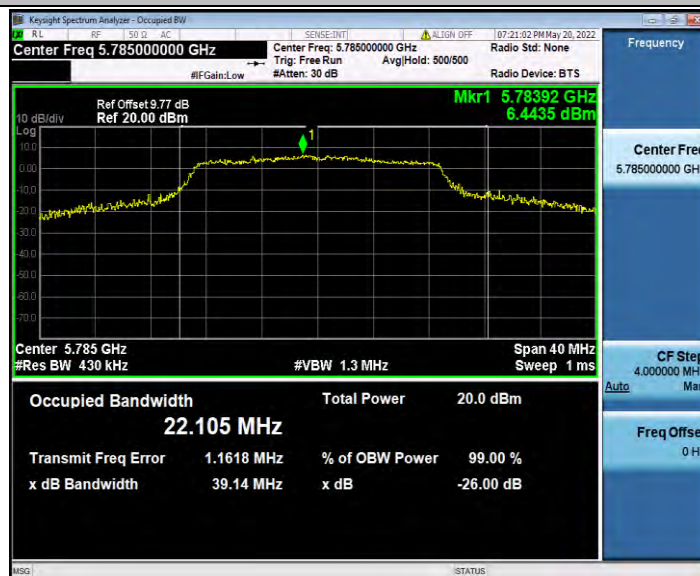
11A_Ant1_5825



11N20SISO_Ant1_5745



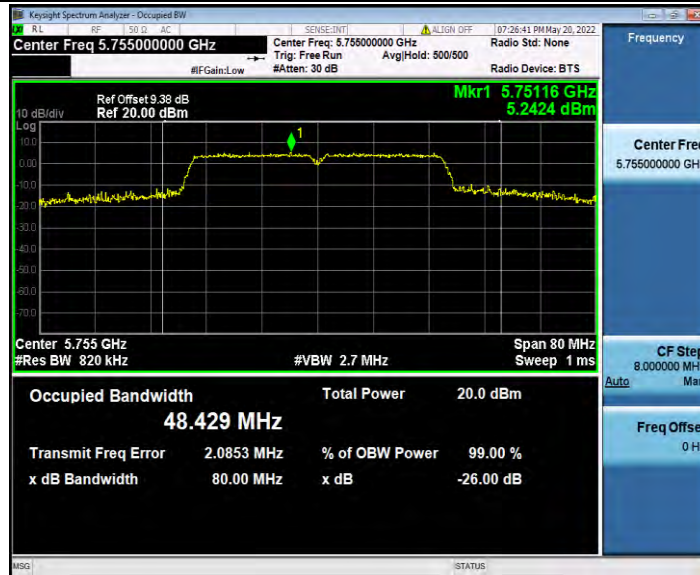
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



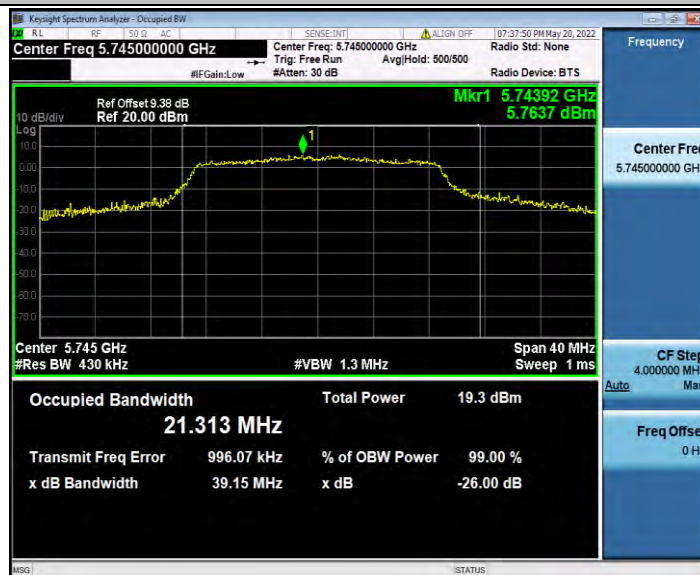
11N40SISO_Ant1_5755



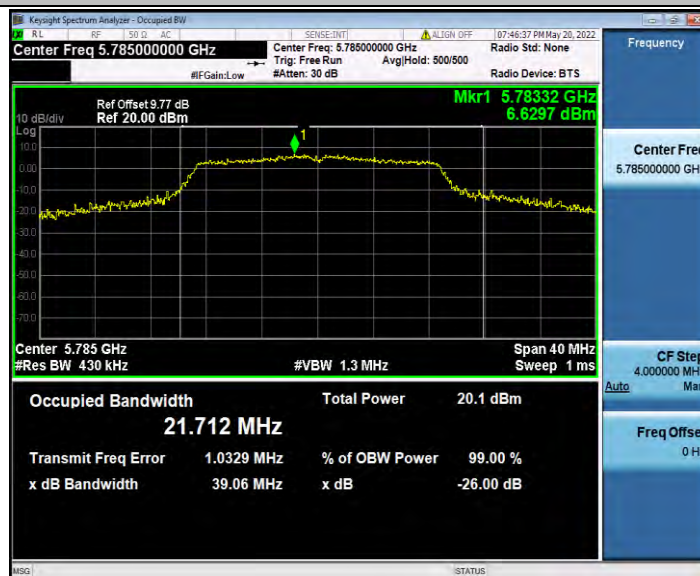
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



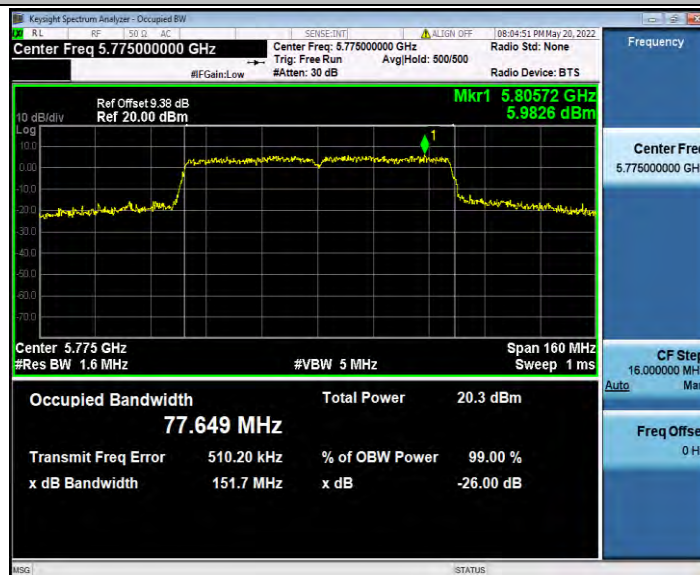
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



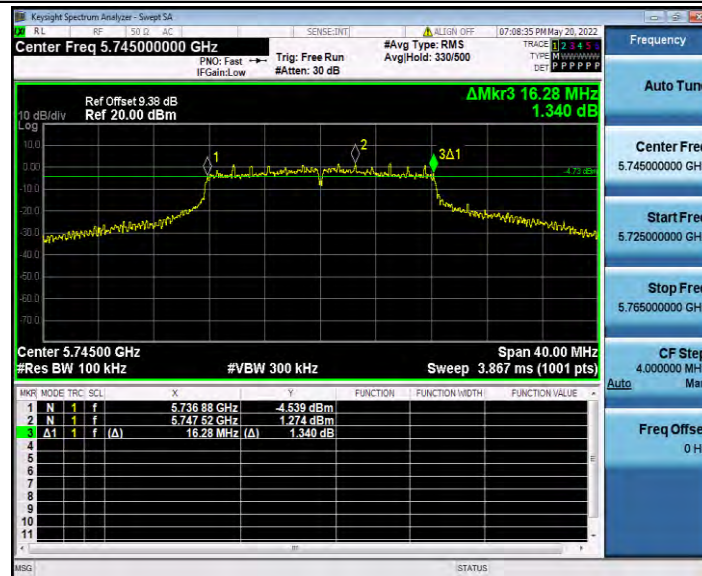
Appendix E.2: Min emission bandwidth

Test Result B4

TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.280	5736.880	5753.160	0.5	PASS
		5785	16.240	5776.880	5793.120	0.5	PASS
		5825	15.960	5816.840	5832.800	0.5	PASS
11N20SISO	Ant1	5745	17.560	5736.240	5753.800	0.5	PASS
		5785	17.560	5776.240	5793.800	0.5	PASS
		5825	17.240	5816.280	5833.520	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	17.320	5736.240	5753.560	0.5	PASS
		5785	17.320	5776.240	5793.560	0.5	PASS
		5825	16.920	5816.240	5833.160	0.5	PASS
11AC40SISO	Ant1	5755	36.320	5736.840	5773.160	0.5	PASS
		5795	35.840	5777.240	5813.080	0.5	PASS
11AC80SISO	Ant1	5775	76.000	5737.240	5813.240	0.5	PASS

Test Graphs B4

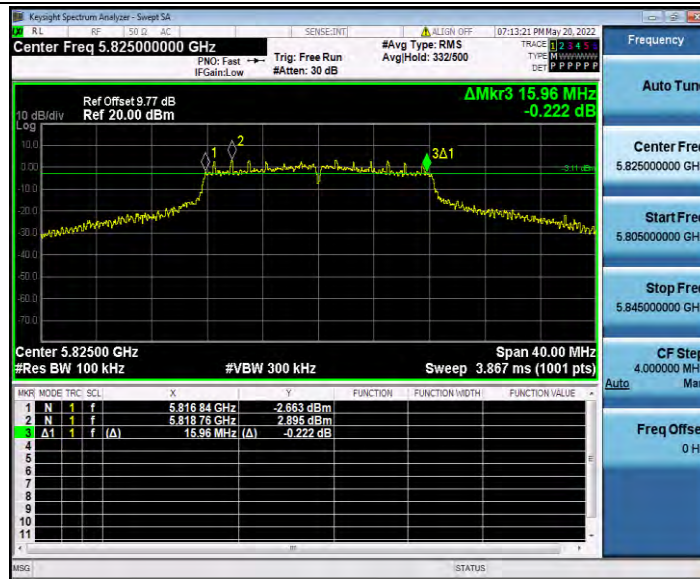
11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



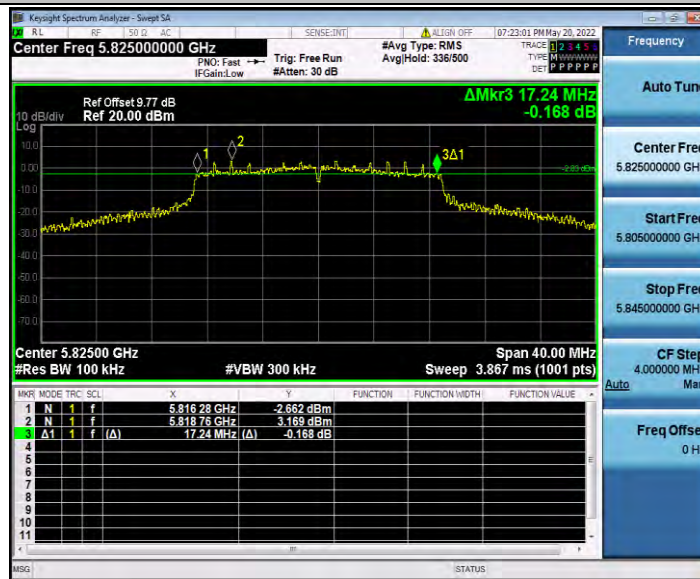
11N20SISO_Ant1_5745



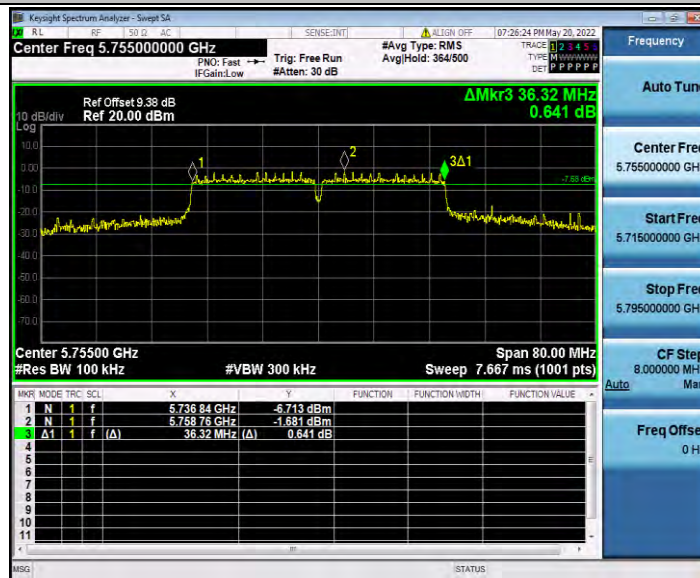
11N20SISO_Ant1_5785



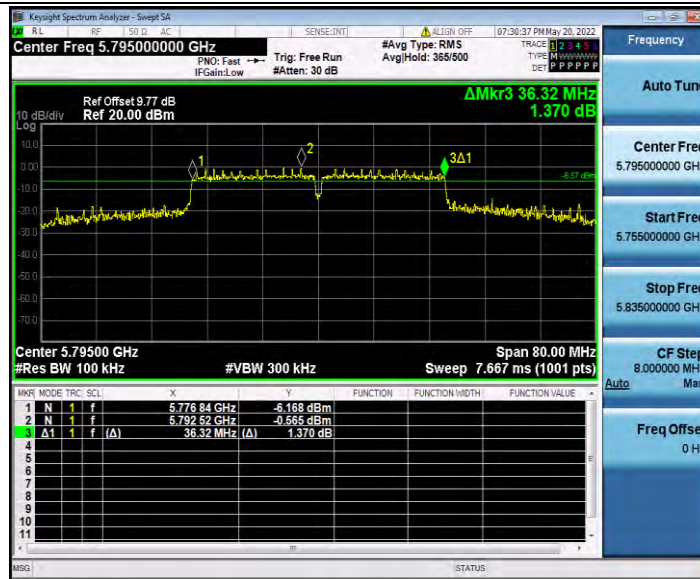
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



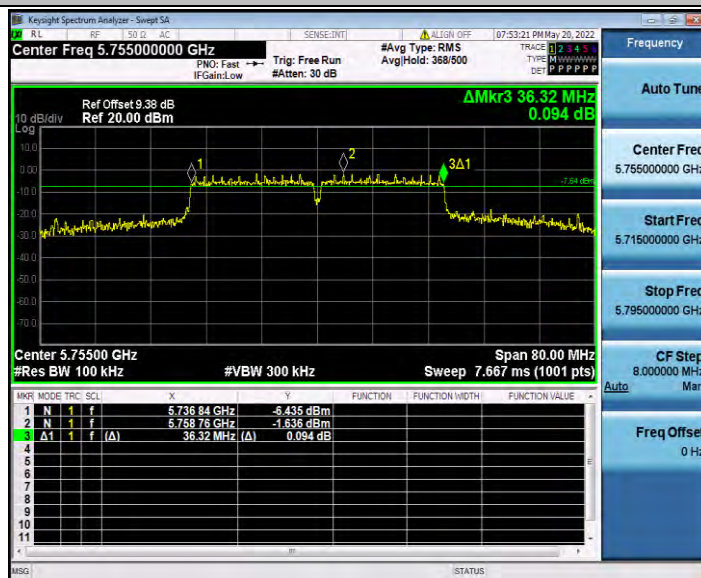
11AC20SISO_Ant1_5785



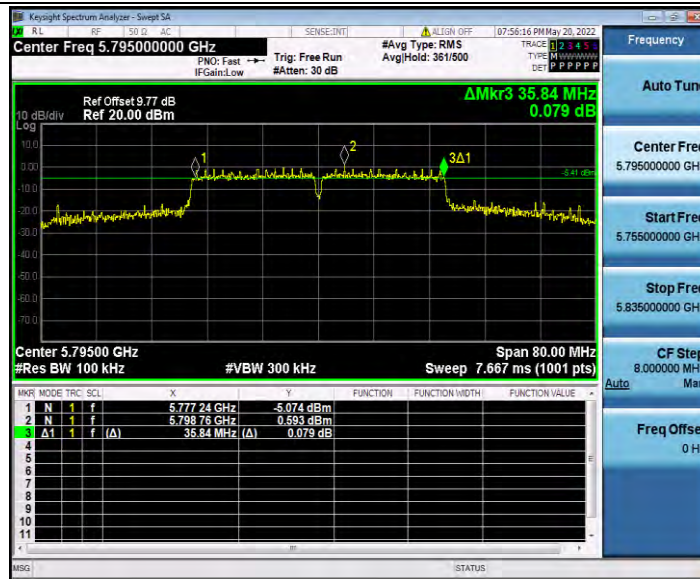
11AC20SISO_Ant1_5825



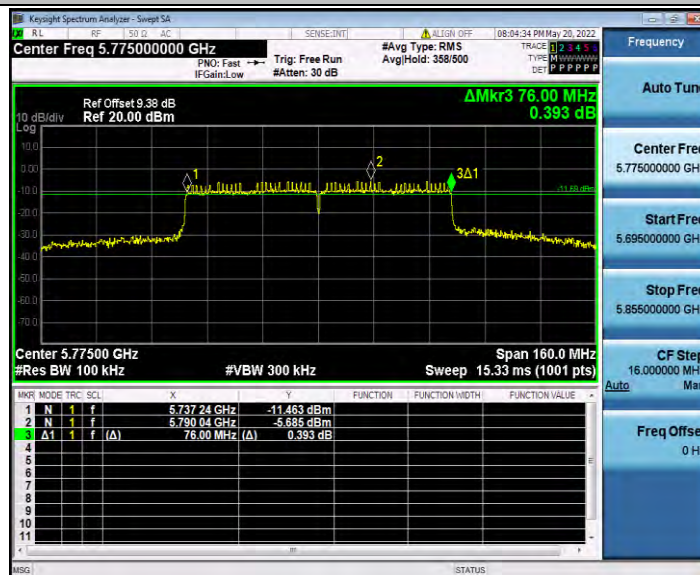
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



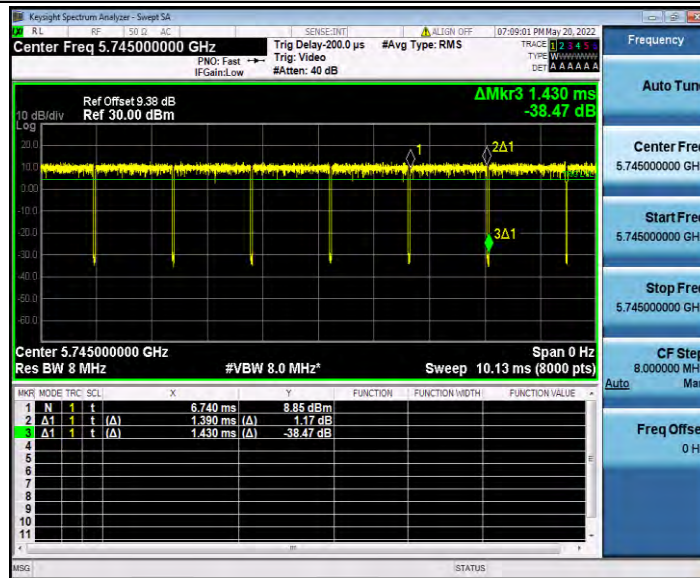
Appendix E.3: Duty Cycle

Test Result

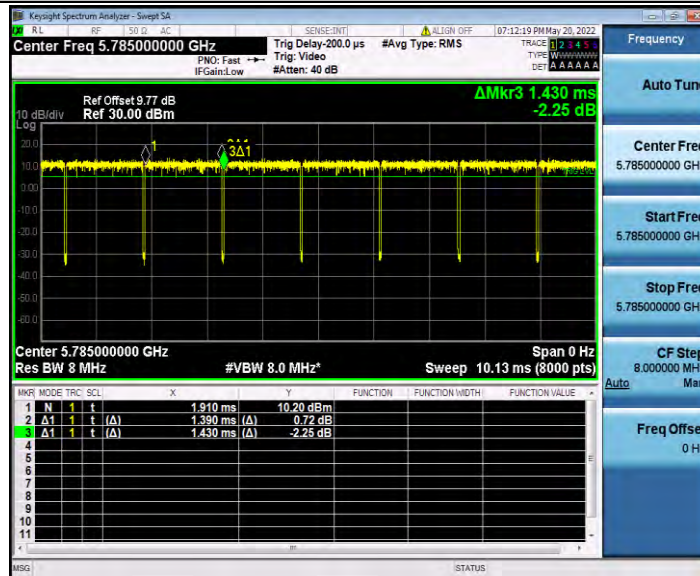
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle (dB)
11A	Ant1	5745	1.39	1.43	97.20	0.12
		5785	1.39	1.43	97.20	0.12
		5825	1.40	1.44	97.22	0.12
11N20SISO	Ant1	5745	1.31	1.73	75.72	1.21
		5785	1.31	2.64	49.62	3.04
		5825	1.31	2.63	49.81	3.03
11N40SISO	Ant1	5755	0.65	0.69	94.20	0.26
		5795	0.65	0.69	94.20	0.26
11AC20SISO	Ant1	5745	1.32	1.74	75.86	1.20
		5785	1.31	2.64	49.62	3.04
		5825	1.32	2.65	49.81	3.03
11AC40SISO	Ant1	5755	0.65	0.70	92.86	0.32
		5795	0.66	0.70	94.29	0.26
11AC80SISO	Ant1	5775	0.33	0.66	50.00	3.01

Test Graphs

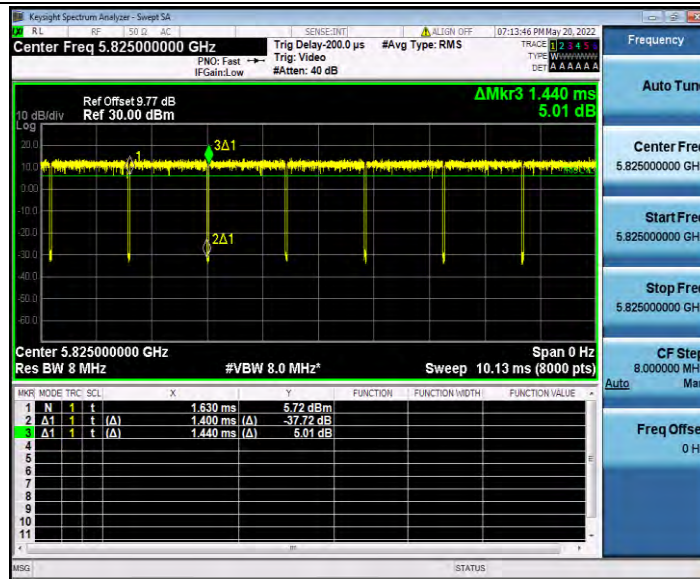
11A_Ant1_5745



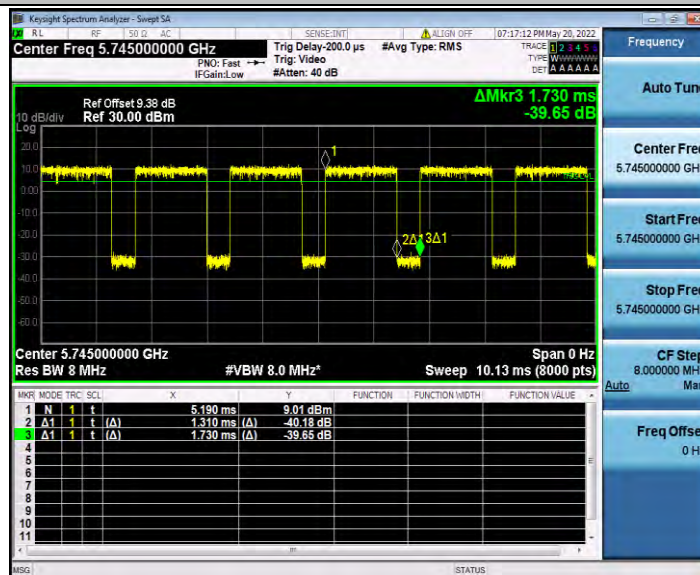
11A_Ant1_5785



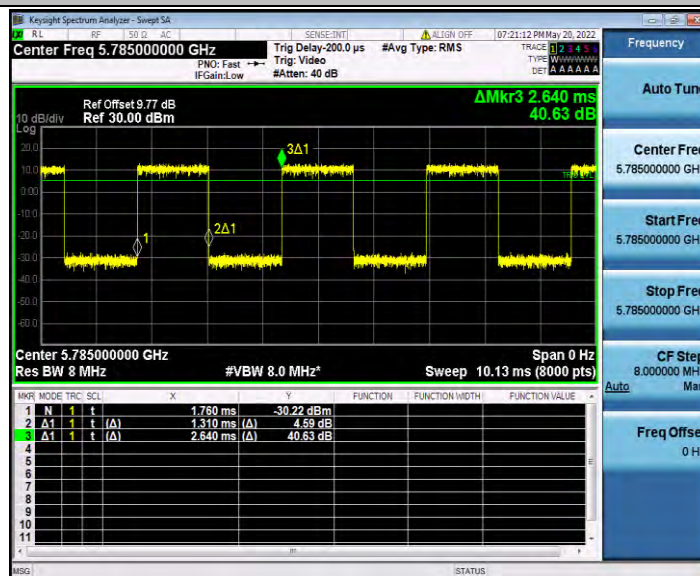
11A_Ant1_5825



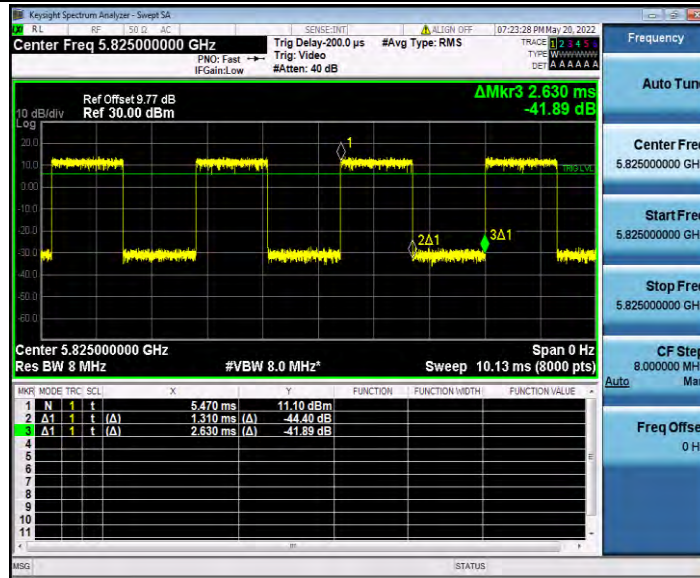
11N20SISO_Ant1_5745



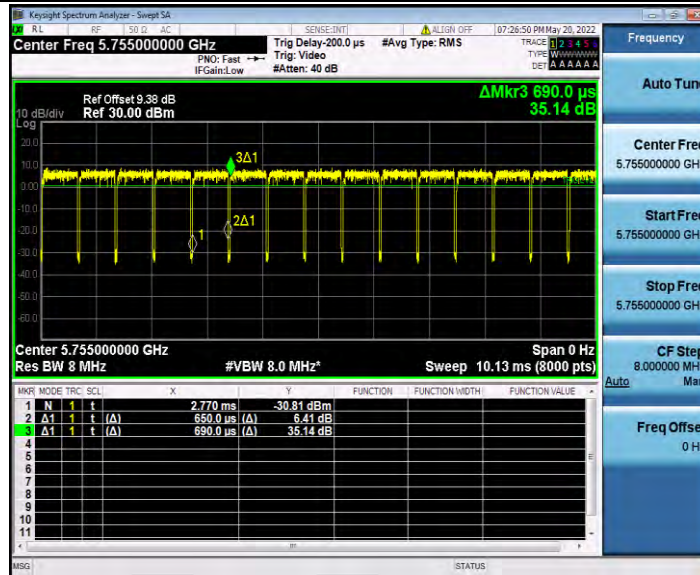
11N20SISO_Ant1_5785



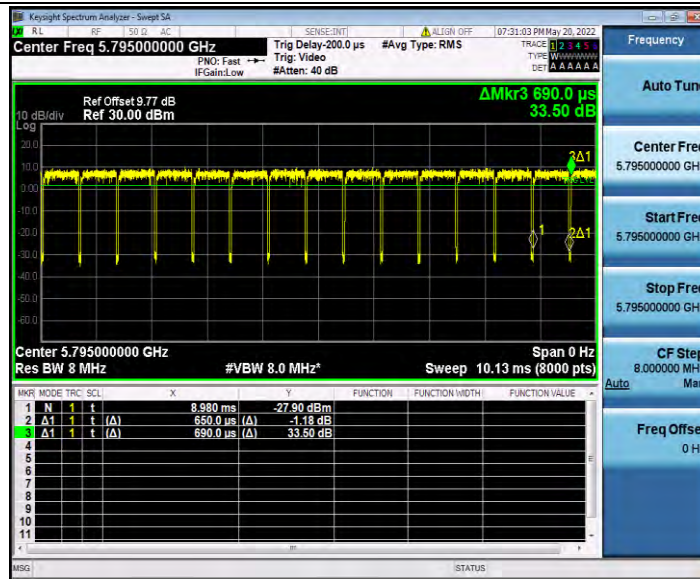
11N20SISO_Ant1_5825



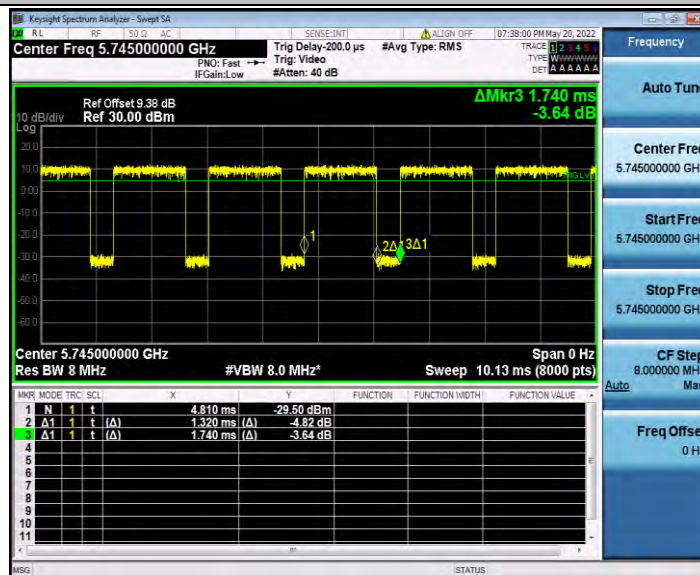
11N40SISO_Ant1_5755



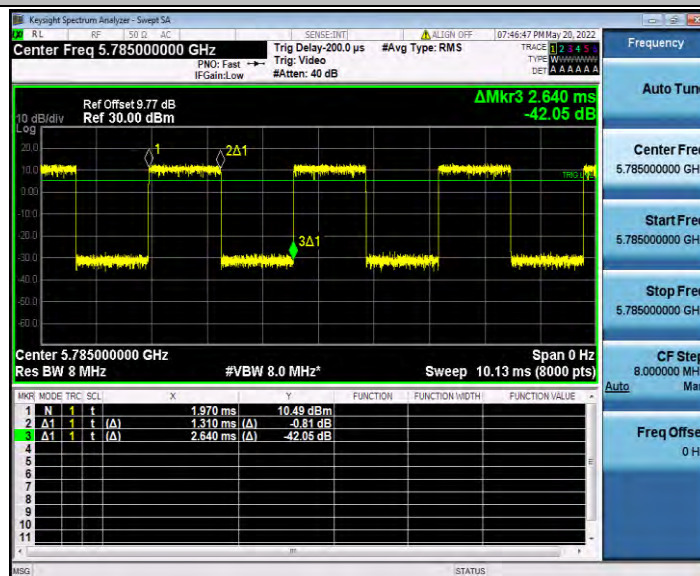
11N40SISO_Ant1_5795



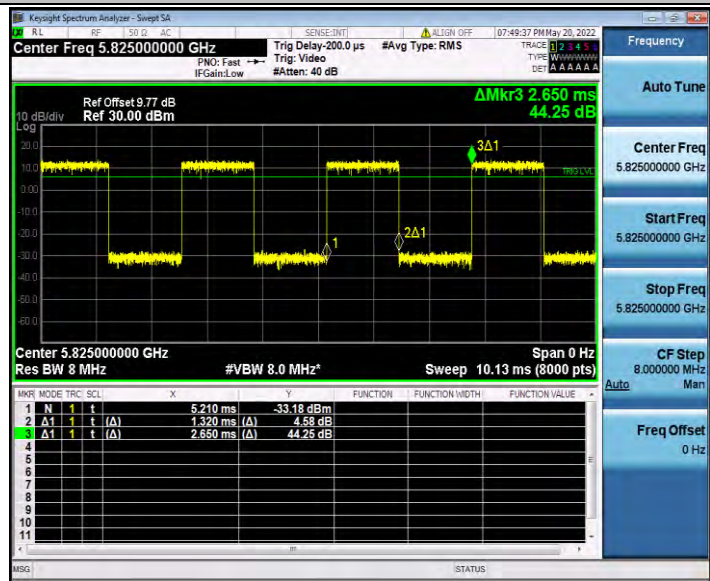
11AC20SISO_Ant1_5745



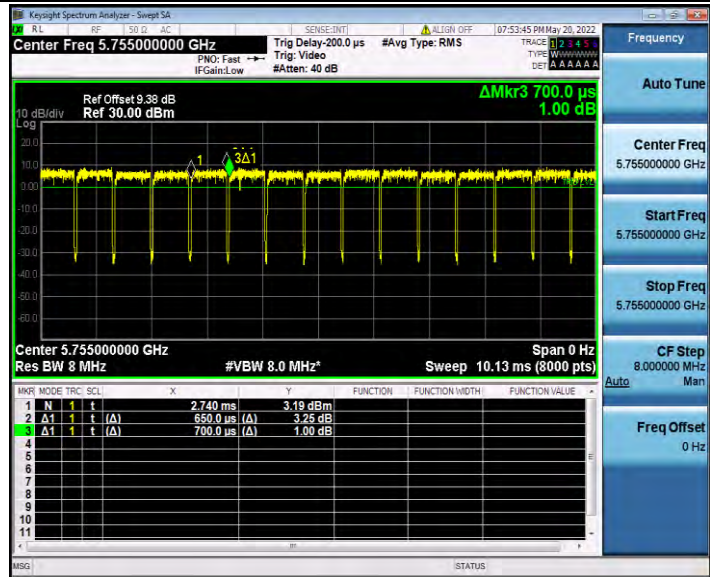
11AC20SISO_Ant1_5785



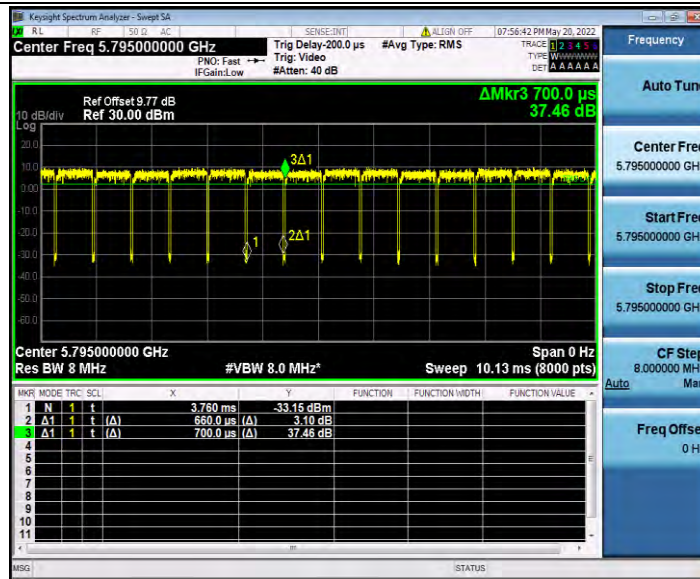
11AC20SISO_Ant1_5825



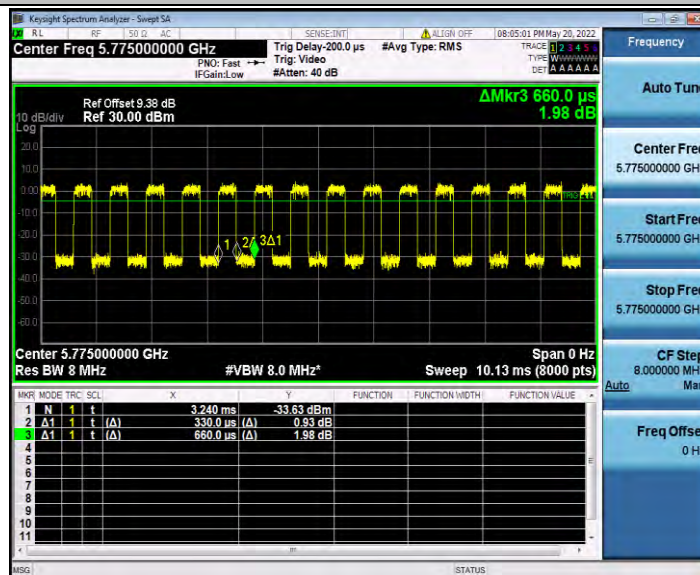
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



Appendix E.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	6.10	≤30.00	PASS
		5785	6.29	≤30.00	PASS
		5825	7.32	≤30.00	PASS
11N20SISO	Ant1	5745	6.16	≤30.00	PASS
		5785	9.57	≤30.00	PASS
		5825	10.27	≤30.00	PASS
11N40SISO	Ant1	5755	1.96	≤30.00	PASS
		5795	3.07	≤30.00	PASS
11AC20SISO	Ant1	5745	6.99	≤30.00	PASS
		5785	9.61	≤30.00	PASS
		5825	11.13	≤30.00	PASS
11AC40SISO	Ant1	5755	2.56	≤30.00	PASS
		5795	3.03	≤30.00	PASS
11AC80SISO	Ant1	5775	0.56	≤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

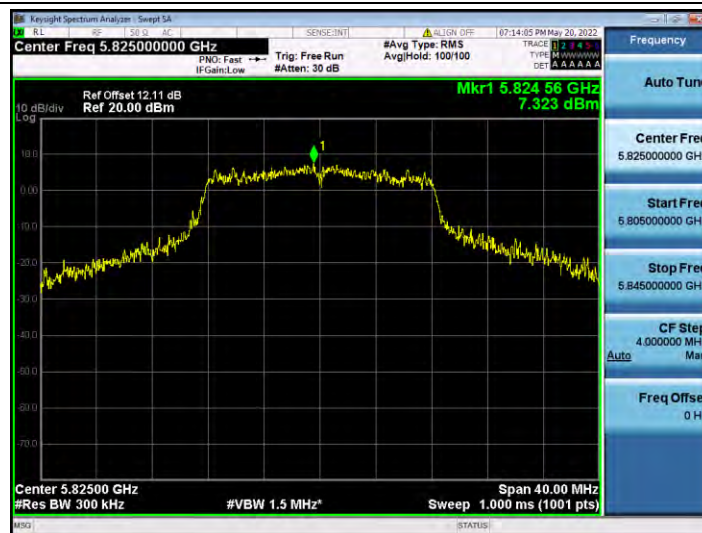
11A_Ant1_5745



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



Appendix E.5: Band edge measurements

Test Result B4

TestMode	Antenna	ChName	Frequency[MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-35.13	≤9.47	PASS
				5700~5720	-25.16	≤14.95	PASS
				5720~5725	-20.09	≤24.21	PASS
				5760~5650	-38.18	≤-27	PASS
		High	5825	5850~5855	-22.9	≤16.10	PASS
				5855~5875	-28.83	≤10.32	PASS
				5875~5925	-38.35	≤-16.87	PASS
				5925~5935	-38.34	≤-27	PASS
11N20SI SO	Ant1	Low	5745	5650~5700	-31.7	≤9.13	PASS
				5700~5720	-24.05	≤15.59	PASS
				5720~5725	-16.93	≤25.78	PASS
				5760~5650	-39.8	≤-27	PASS
		High	5825	5850~5855	-18.25	≤16.41	PASS
				5855~5875	-23.62	≤10.21	PASS
				5875~5925	-37.77	≤-0.58	PASS
				5925~5935	-39.21	≤-27	PASS
11N40SI SO	Ant1	Low	5755	5650~5700	-26.45	≤8.06	PASS
				5700~5720	-14.43	≤15.58	PASS
				5720~5725	-13.28	≤20.05	PASS
				5780~5650	-38.09	≤-27	PASS
		High	5795	5850~5855	-21.87	≤20.55	PASS
				5855~5875	-23.22	≤10.59	PASS
				5875~5925	-30.4	≤-26.07	PASS
				5925~5935	-38.08	≤-27	PASS
11AC20S ISO	Ant1	Low	5745	5650~5700	-34.54	≤8.79	PASS
				5700~5720	-24.6	≤15.43	PASS
				5720~5725	-14.64	≤25.26	PASS
				5760~5650	-40.18	≤-27	PASS
		High	5825	5850~5855	-17.59	≤16.10	PASS
				5855~5875	-24.9	≤11.01	PASS
				5875~5925	-38.08	≤-18.96	PASS
				5925~5935	-38.18	≤-27	PASS
11AC40S ISO	Ant1	Low	5755	5650~5700	-24.3	≤3.67	PASS
				5700~5720	-13.21	≤14.14	PASS
				5720~5725	-13.17	≤26.51	PASS
				5780~5650	-38.52	≤-27	PASS

		High	5795	5850~5855	-22.14	≤ 17.16	PASS
				5855~5875	-23.58	≤ 11.33	PASS
				5875~5925	-28.6	≤ -21.18	PASS
				5925~5935	-39.32	≤ -27	PASS
11AC80S ISO	Ant1	Low	5775	5650~5700	-22.88	≤ 8.53	PASS
				5700~5720	-20.15	≤ 12.87	PASS
				5720~5725	-19.64	≤ 18.12	PASS
				5800~5650	-31.61	≤ -27	PASS
		High	5775	5850~5855	-20.52	≤ 17.90	PASS
				5855~5875	-22.88	≤ 11.37	PASS
				5875~5925	-29.85	≤ -24.77	PASS
				5925~5935	-36.65	≤ -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



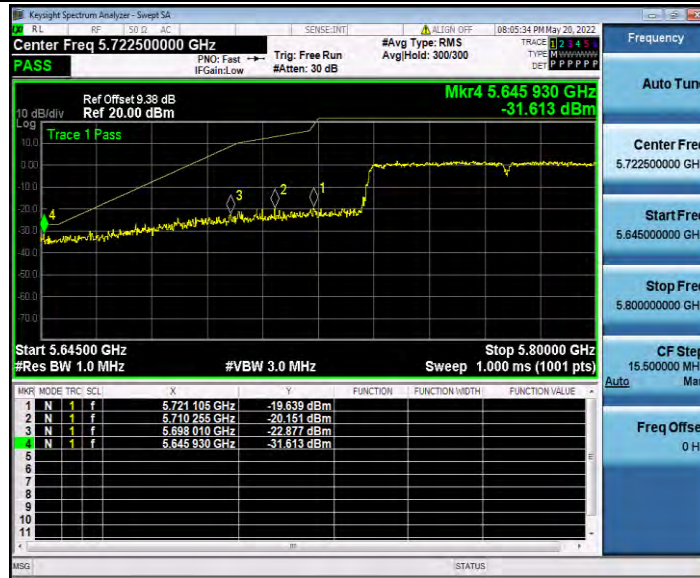
11AC40SISO_Ant1_Low_5755



11AC40SISO_Ant1_High_5795



11AC80SISO_Ant1_Low_5775



11AC80SISO_Ant1_High_5775



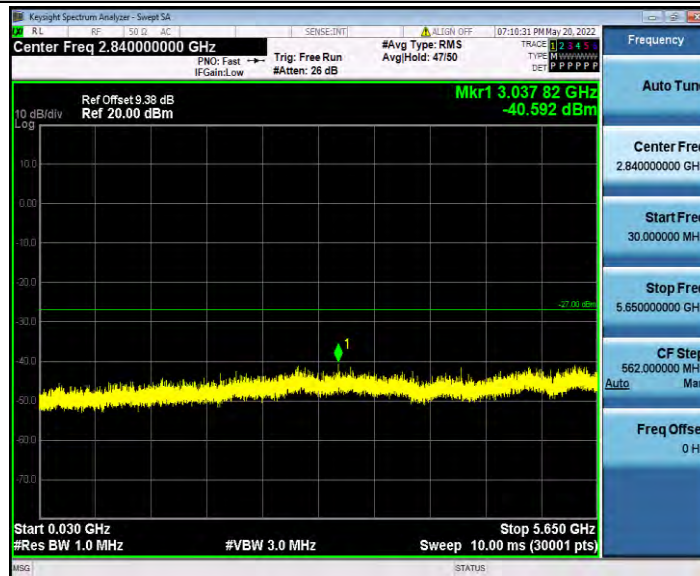
Appendix E.6: Conducted Spurious Emission

Test Result

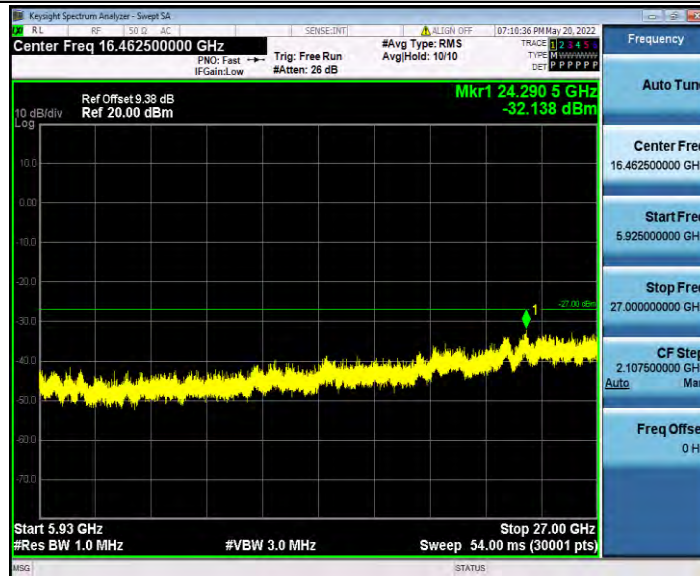
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	3037.82	-40.59	≤-27	PASS
			5925~40000	24290.46	-32.14	≤-27	PASS
		5785	30~5650	5423.33	-40.15	≤-27	PASS
			5925~40000	24270.79	-31.33	≤-27	PASS
		5825	30~5650	2646.86	-40.4	≤-27	PASS
			5925~40000	26728.84	-32.01	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	5446.74	-40.62	≤-27	PASS
			5925~40000	24249.01	-32.57	≤-27	PASS
		5785	30~5650	5358.32	-40.41	≤-27	PASS
			5925~40000	24230.75	-32.45	≤-27	PASS
		5825	30~5650	4923.15	-39.84	≤-27	PASS
			5925~40000	25701.08	-32.47	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	5473.53	-40.28	≤-27	PASS
			5925~40000	24226.53	-31.31	≤-27	PASS
		5795	30~5650	5543.78	-40.39	≤-27	PASS
			5925~40000	26919.21	-31.35	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	5451.61	-40.46	≤-27	PASS
			5925~40000	26768.18	-32.78	≤-27	PASS
		5785	30~5650	5508.75	-40.64	≤-27	PASS
			5925~40000	23507.17	-31.39	≤-27	PASS
		5825	30~5650	5437.56	-39.81	≤-27	PASS
			5925~40000	26970.5	-31.79	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	5487.58	-41.23	≤-27	PASS
			5925~40000	23529.65	-32.85	≤-27	PASS
		5795	30~5650	4939.44	-40.79	≤-27	PASS
			5925~40000	24215.29	-32.4	≤-27	PASS
11AC80SISO	Ant1	5775	30~5650	5647.94	-33.99	≤-27	PASS
			5925~40000	23580.93	-31.79	≤-27	PASS

Test Graphs

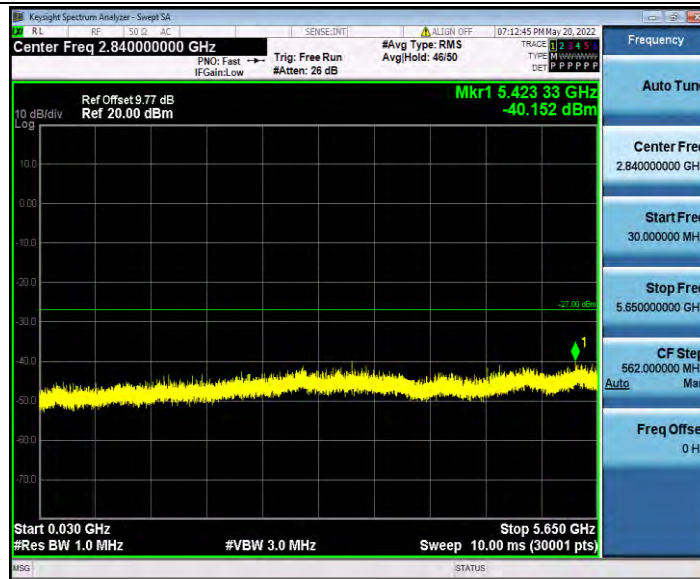
11A_Ant1_5745_30~5650



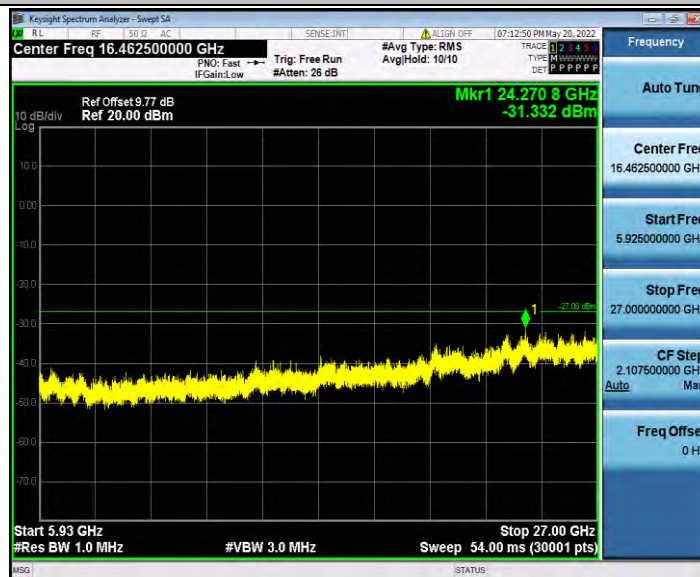
11A_Ant1_5745_5925~40000



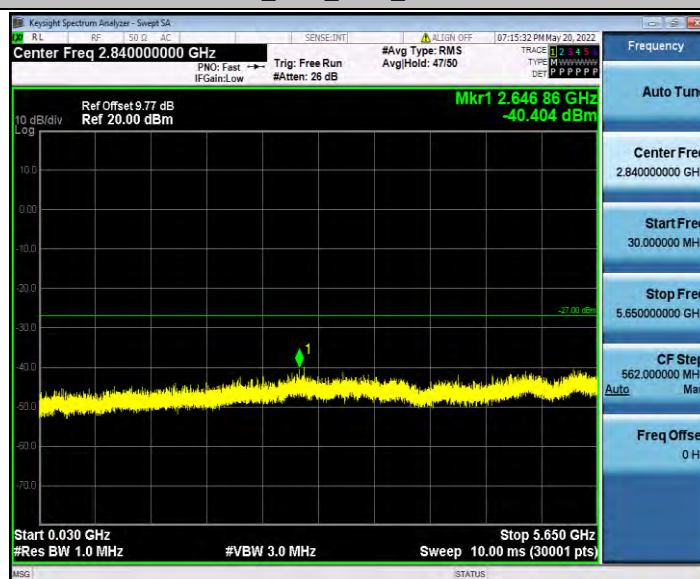
11A_Ant1_5785_30~5650



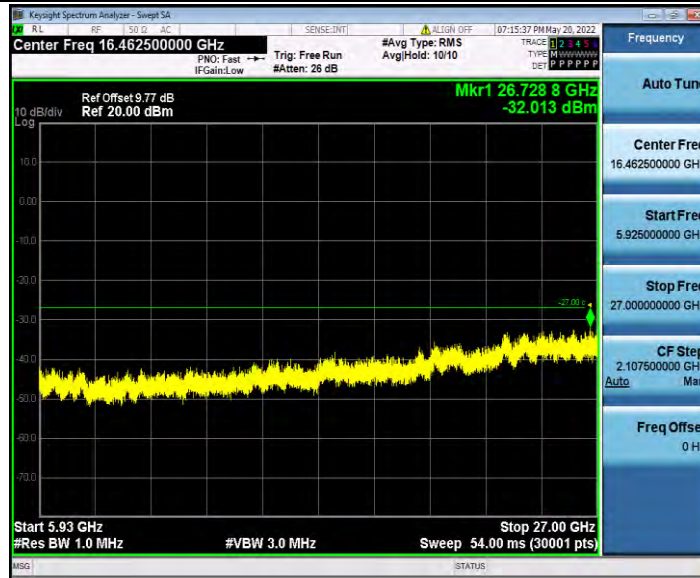
11A_Ant1_5785_5925~40000



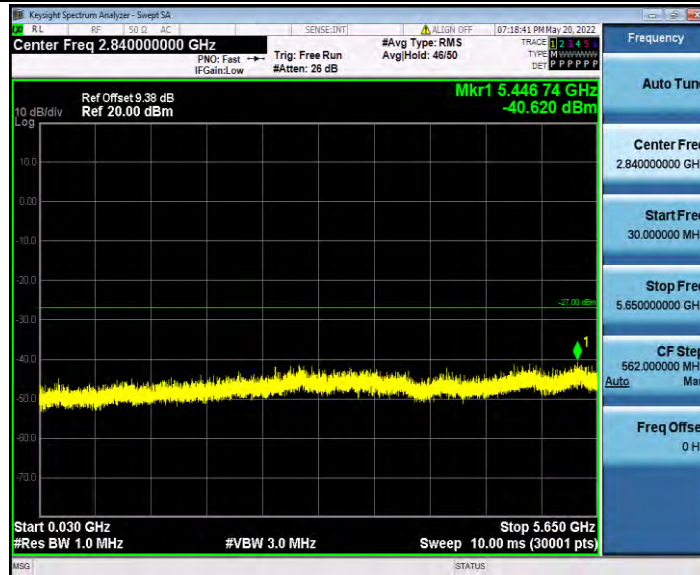
11A_Ant1_5825_30~5650



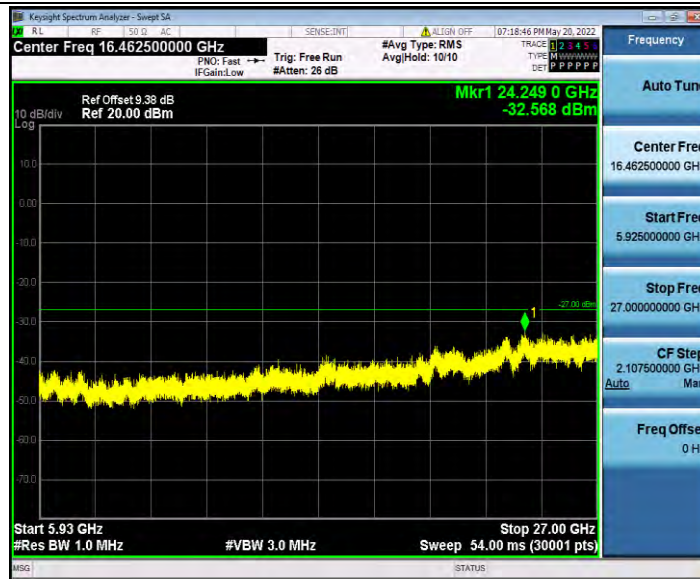
11A_Ant1_5825_5925~40000



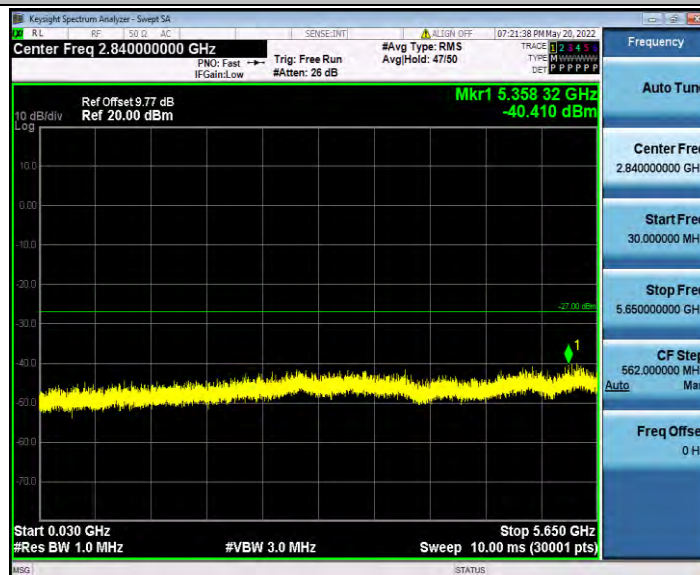
11N20SISO_Ant1_5745_30~5650



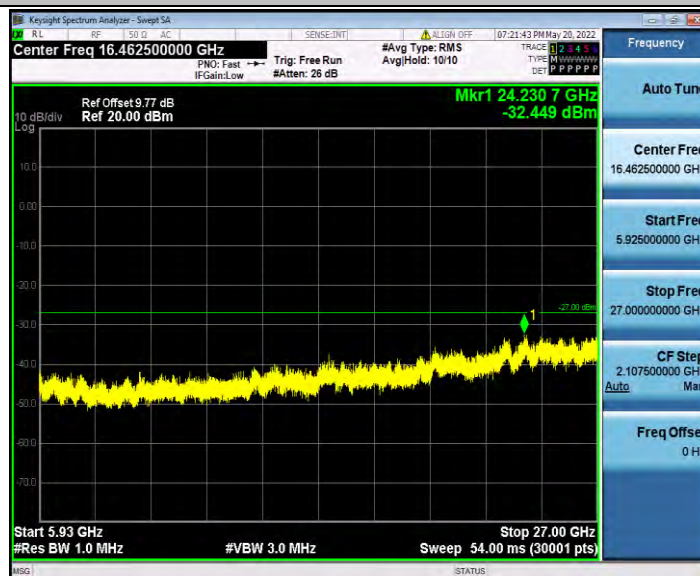
11N20SISO_Ant1_5745_5925~40000



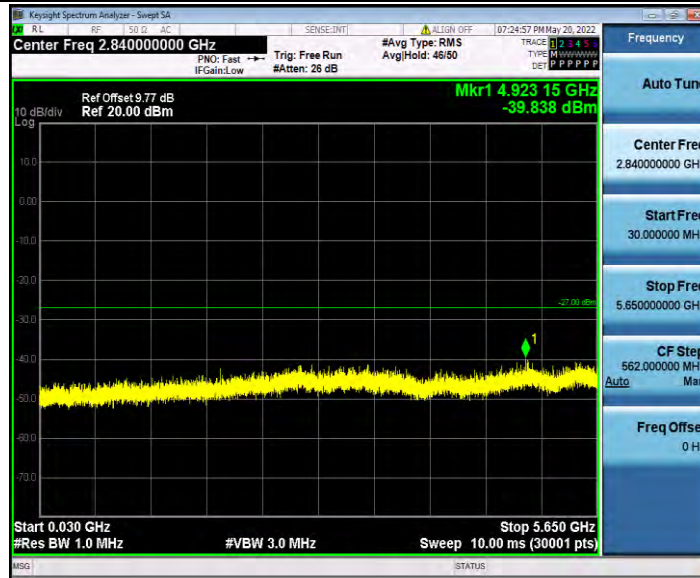
11N20SISO_Ant1_5785_30~5650



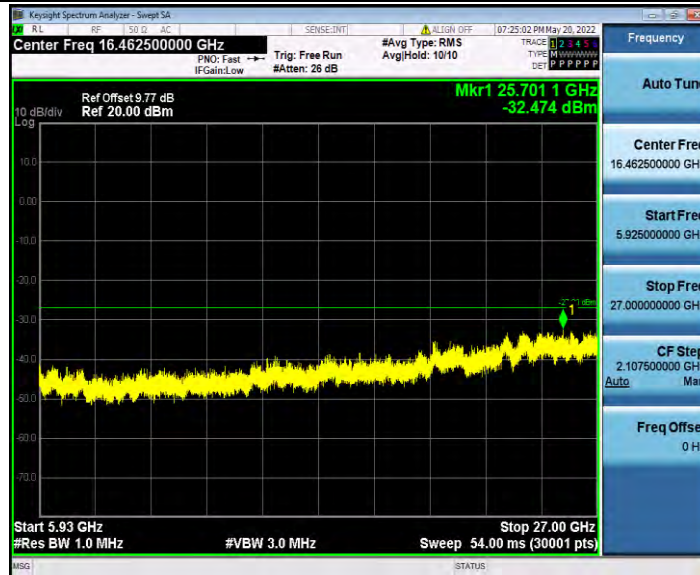
11N20SISO_Ant1_5785_5925~40000



11N20SISO_Ant1_5825_30~5650



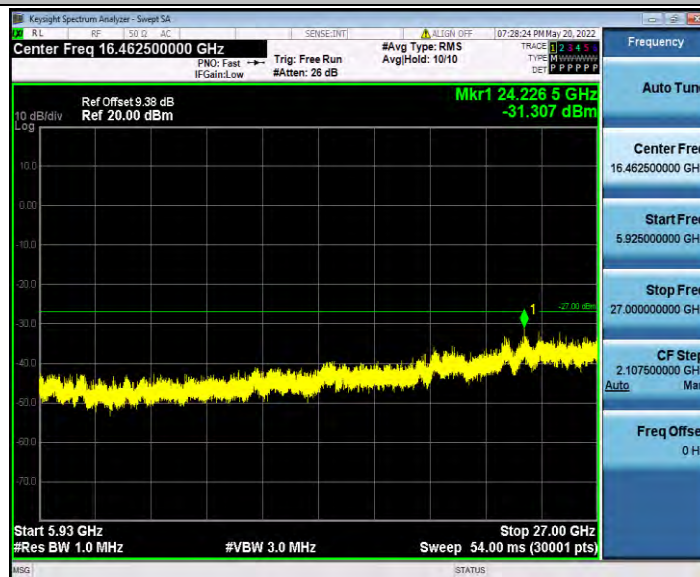
11N20SISO_Ant1_5825_5925~40000



11N40SISO_Ant1_5755_30~5650



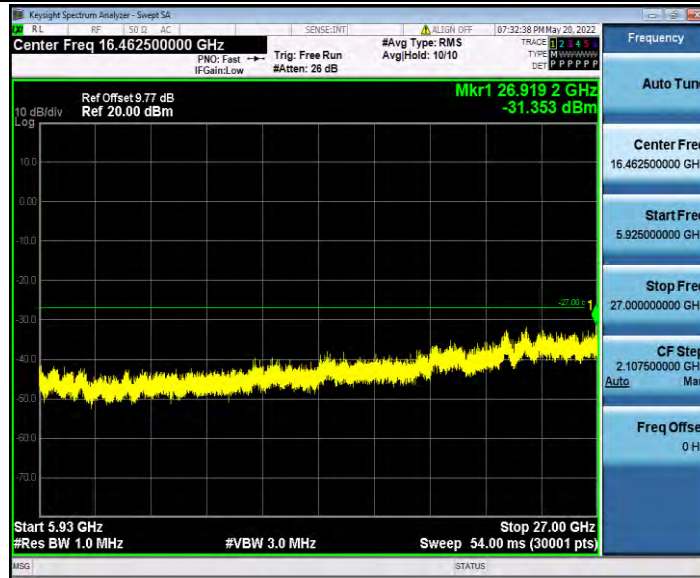
11N40SISO_Ant1_5755_5925~40000



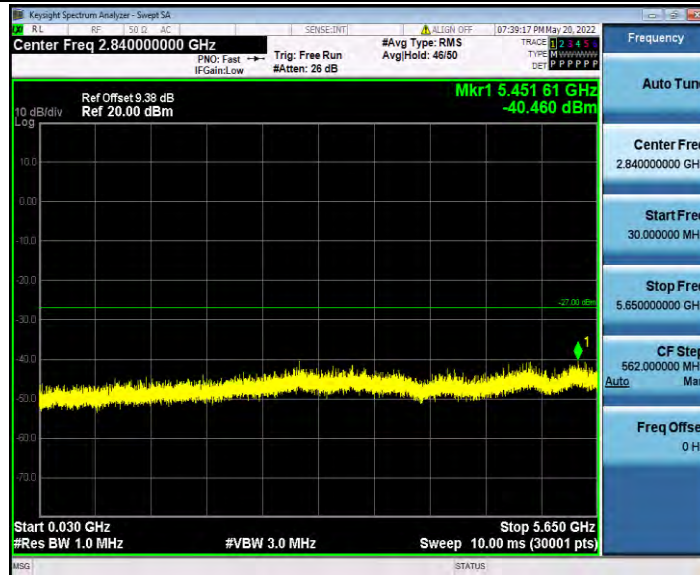
11N40SISO_Ant1_5795_30~5650



11N40SISO_Ant1_5795_5925~40000



11AC20SISO_Ant1_5745_30~5650



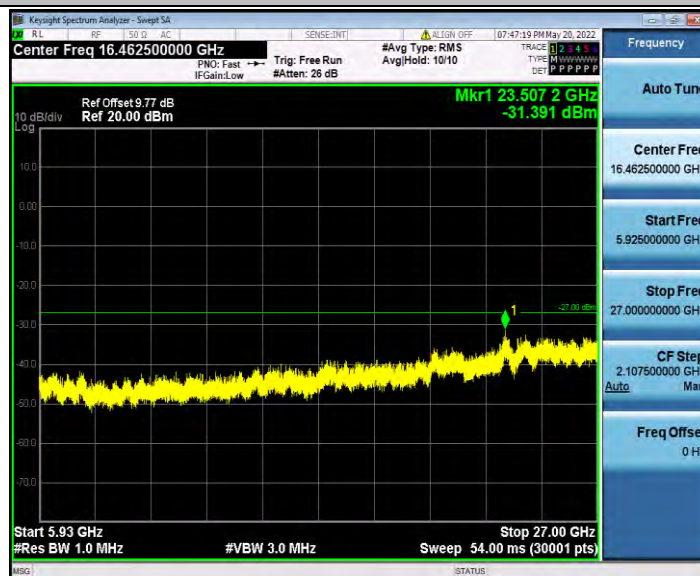
11AC20SISO_Ant1_5745_5925~40000



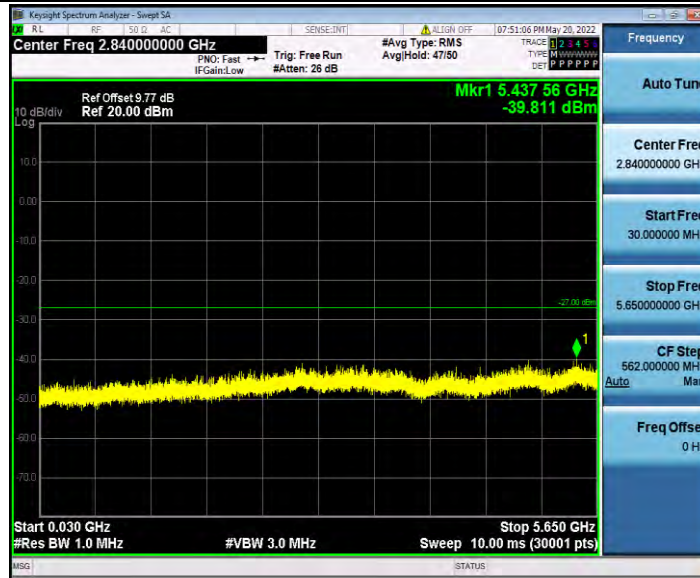
11AC20SISO_Ant1_5785_30~5650



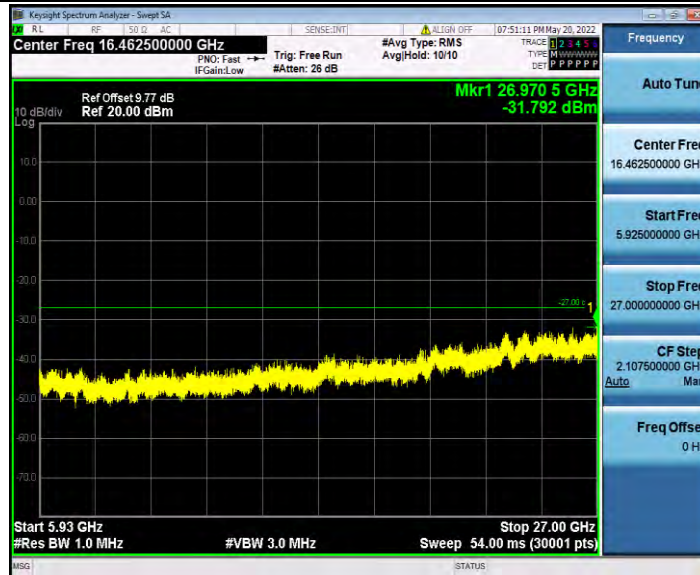
11AC20SISO_Ant1_5785_5925~40000



11AC20SISO_Ant1_5825_30~5650



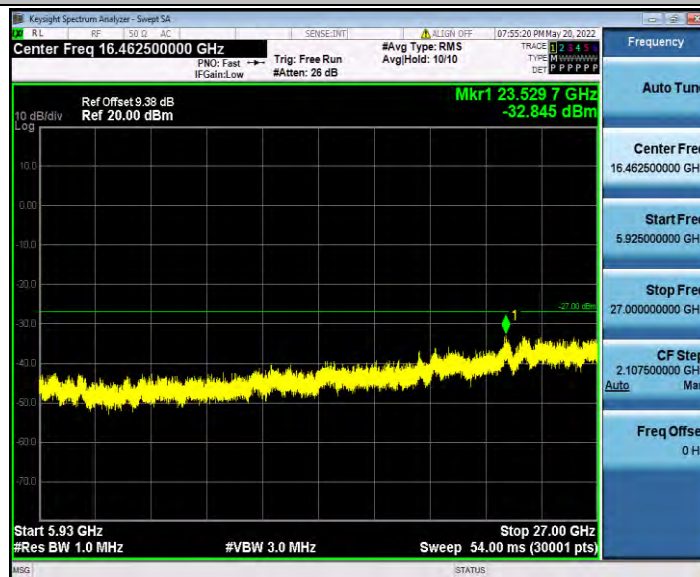
11AC20SISO_Ant1_5825_5925~40000



11AC40SISO_Ant1_5755_30~5650



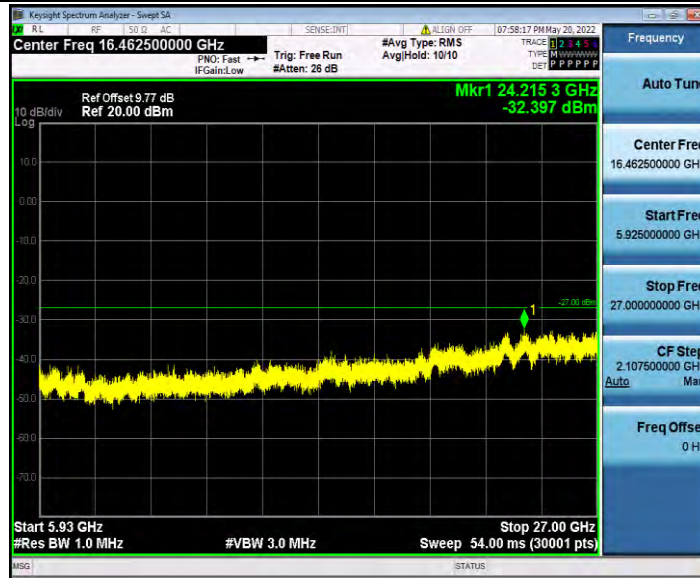
11AC40SISO_Ant1_5755_5925~40000



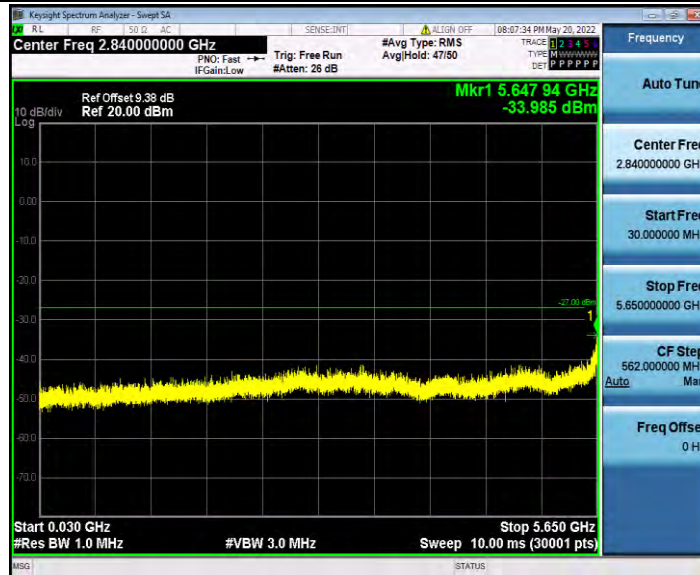
11AC40SISO_Ant1_5795_30~5650



11AC40SISO_Ant1_5795_5925~40000



11AC80SISO_Ant1_5775_30~5650



11AC80SISO_Ant1_5775_5925~40000

