

Case No. : GTS20221008012-1-5	
Ambient Condition: 25 °C, 45 %RH, Atmos100.1Kpa,	
Test Date: 2022.10.28	Test Engineer: Jenny zeng

Appendix E.1: Occupied channel bandwidth

Test Result

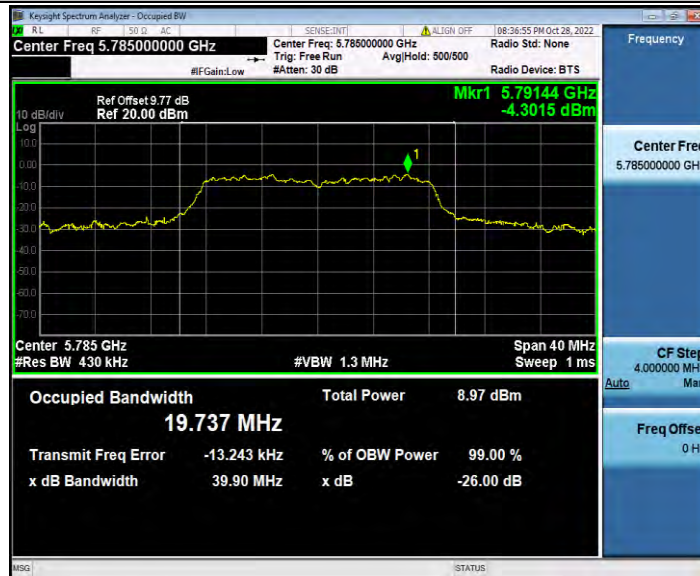
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	21.229	5734.628	5755.857	---	---
		5785	19.737	5775.118	5794.855	---	---
		5825	19.056	5815.512	5834.568	---	---
11N20SISO	Ant1	5745	22.108	5734.054	5756.162	---	---
		5785	19.507	5775.474	5794.981	---	---
		5825	18.981	5815.599	5834.580	---	---
11N40SISO	Ant1	5755	57.084	5726.283	5783.367	---	---
		5795	51.591	5769.177	5820.768	---	---
11AC20SISO	Ant1	5745	24.614	5732.741	5757.355	---	---
		5785	20.998	5774.512	5795.510	---	---
		5825	19.555	5815.475	5835.030	---	---
11AC40SISO	Ant1	5755	52.370	5728.232	5780.602	---	---
		5795	48.892	5770.285	5819.177	---	---
11AC80SISO	Ant1	5775	99.366	5719.250	5818.616	---	---

Test Graphs

11A_Ant1_5745



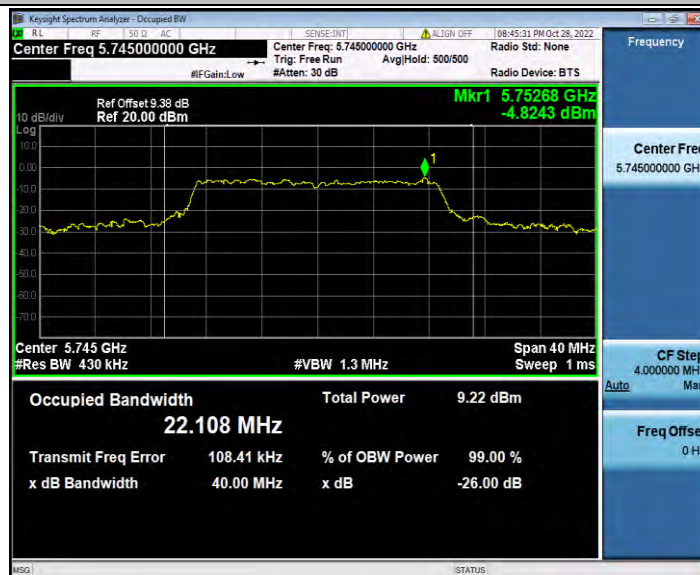
11A_Ant1_5785



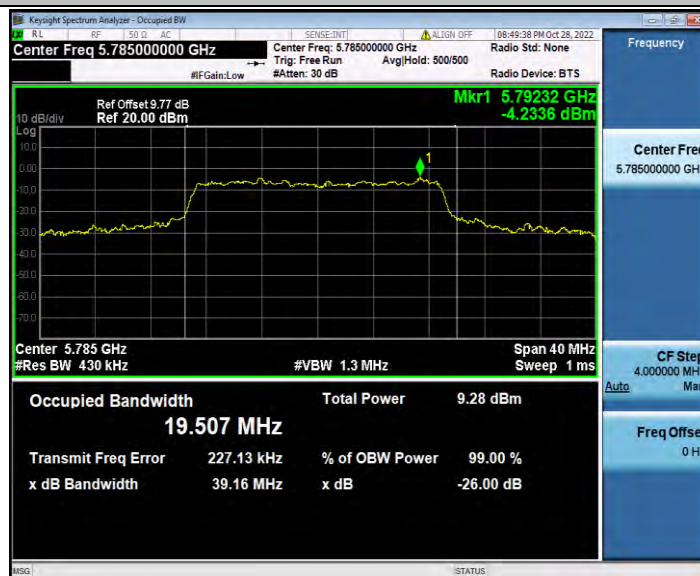
11A_Ant1_5825



11N20SISO_Ant1_5745



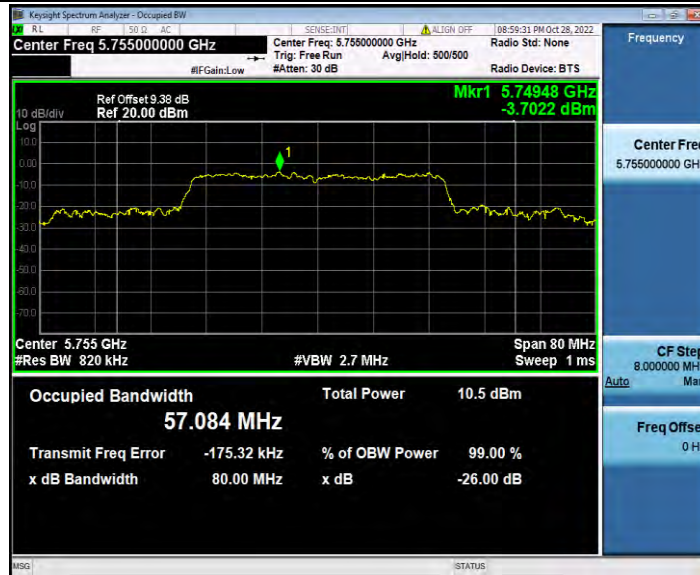
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



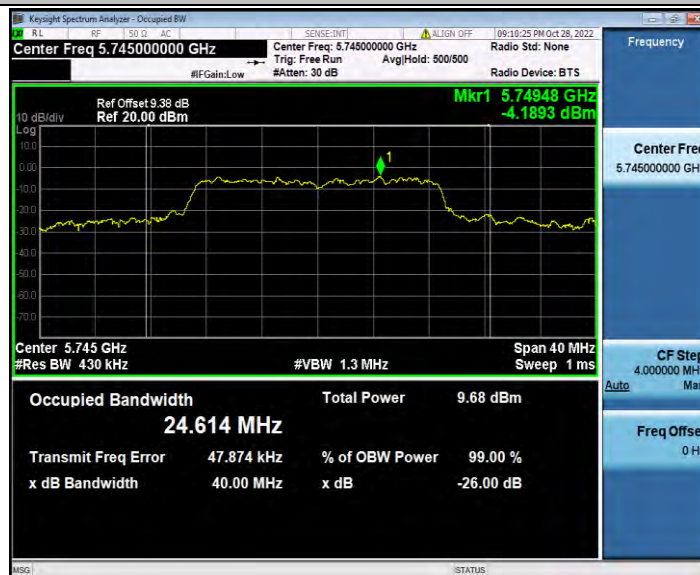
11N40SISO_Ant1_5755



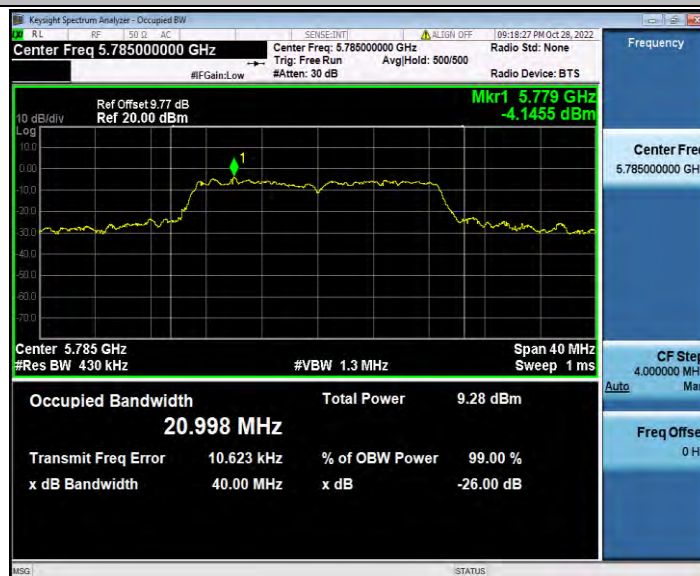
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



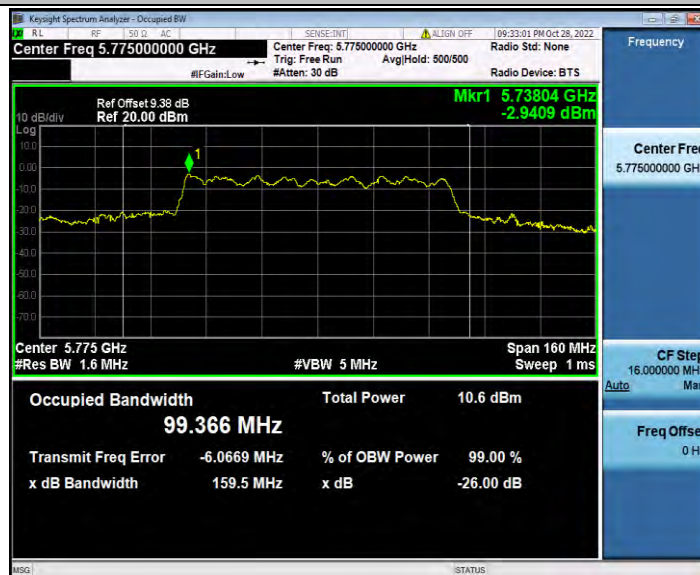
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



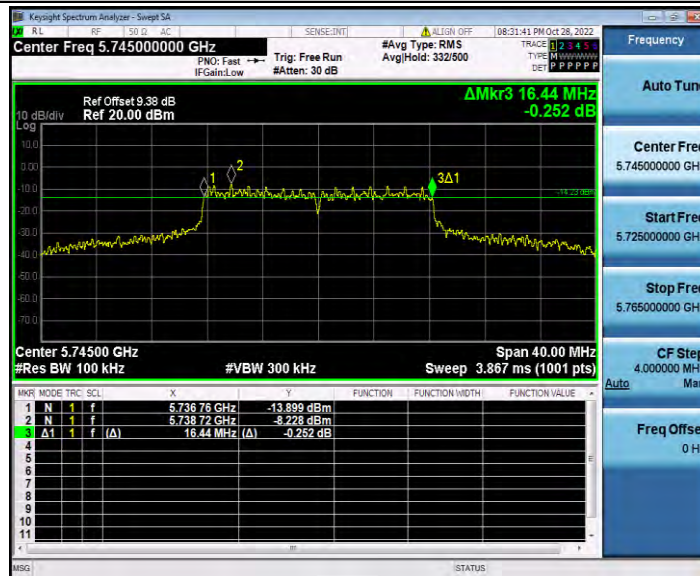
Appendix E.2: Min emission bandwidth

Test Result B4

TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.440	5736.760	5753.200	0.5	PASS
		5785	16.440	5776.760	5793.200	0.5	PASS
		5825	16.440	5816.760	5833.200	0.5	PASS
11N20SISO	Ant1	5745	17.600	5736.200	5753.800	0.5	PASS
		5785	17.600	5776.200	5793.800	0.5	PASS
		5825	17.560	5816.200	5833.760	0.5	PASS
11N40SISO	Ant1	5755	35.520	5737.160	5772.680	0.5	PASS
		5795	35.760	5777.080	5812.840	0.5	PASS
11AC20SISO	Ant1	5745	17.560	5736.200	5753.760	0.5	PASS
		5785	17.400	5776.240	5793.640	0.5	PASS
		5825	17.360	5816.200	5833.560	0.5	PASS
11AC40SISO	Ant1	5755	35.520	5737.080	5772.600	0.5	PASS
		5795	35.600	5777.000	5812.600	0.5	PASS
11AC80SISO	Ant1	5775	75.200	5737.400	5812.600	0.5	PASS

Test Graphs B4

11A_Ant1_5745



11A_Ant1_5785



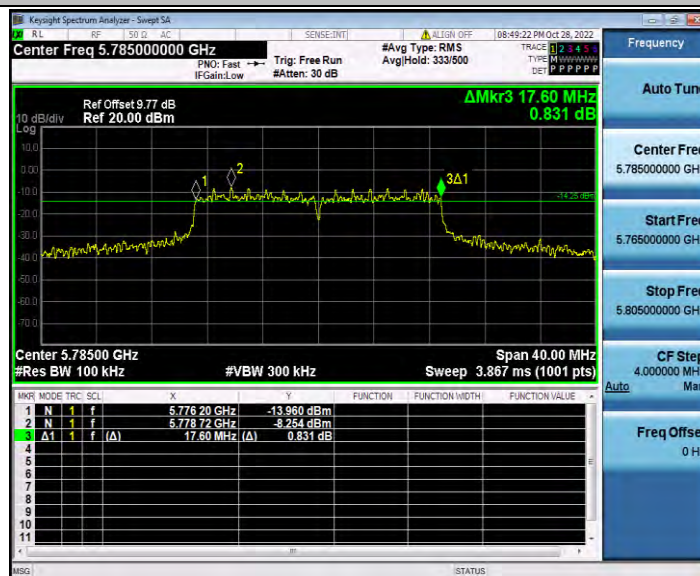
11A_Ant1_5825



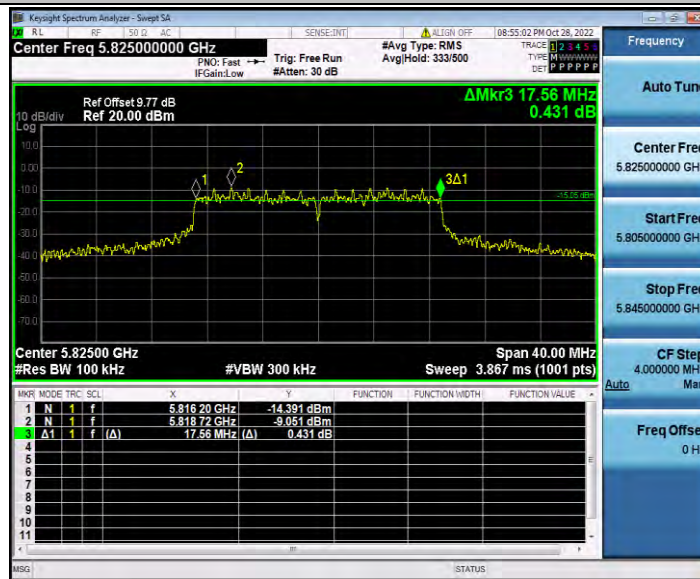
11N20SISO_Ant1_5745



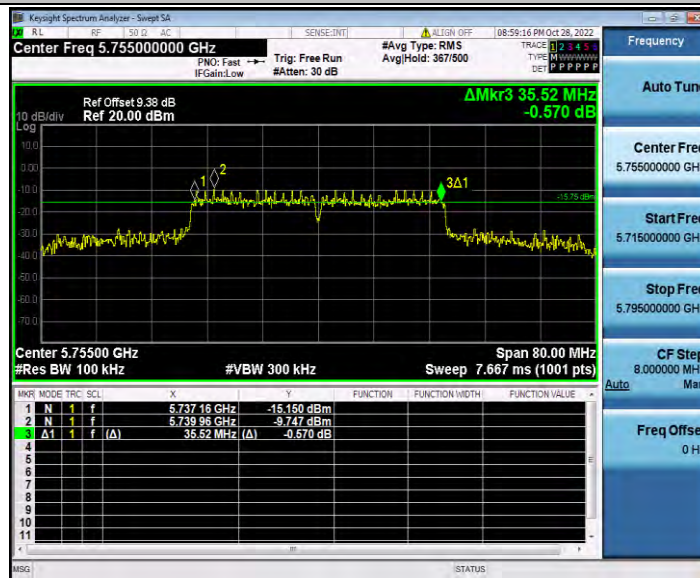
11N20SISO_Ant1_5785



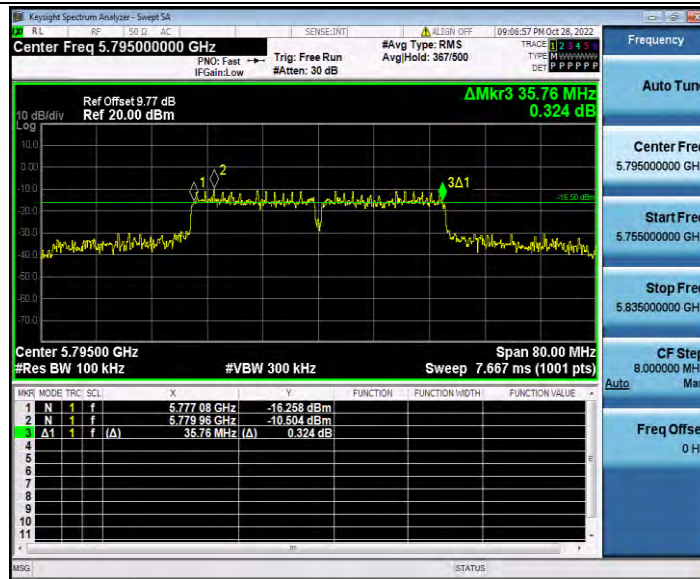
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



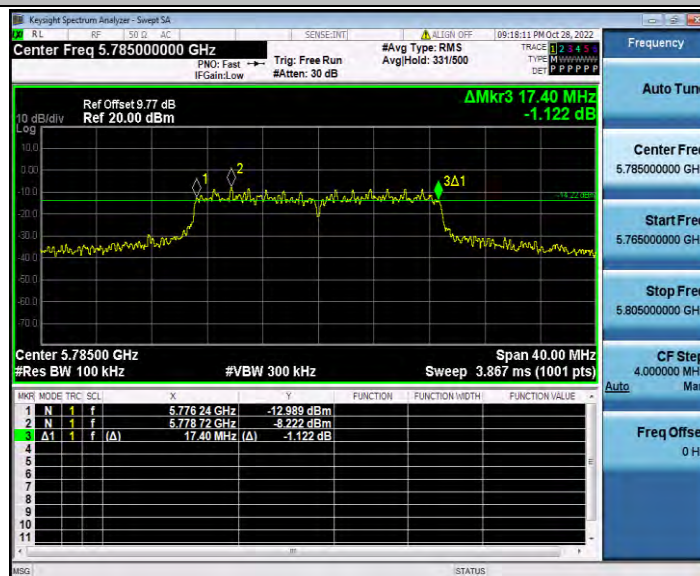
11N40SISO_Ant1_5795



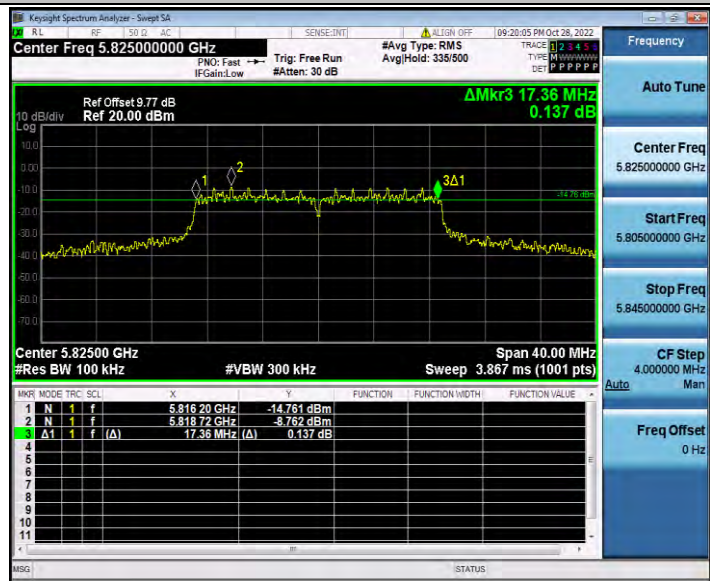
11AC20SISO_Ant1_5745



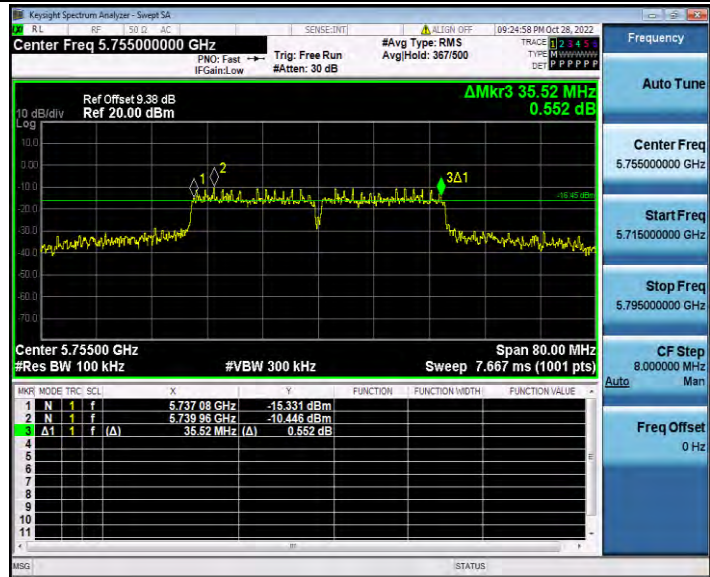
11AC20SISO_Ant1_5785



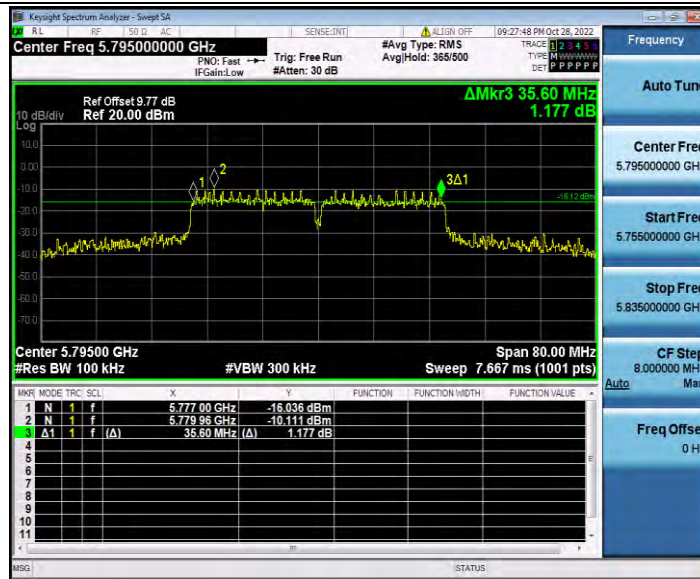
11AC20SISO_Ant1_5825



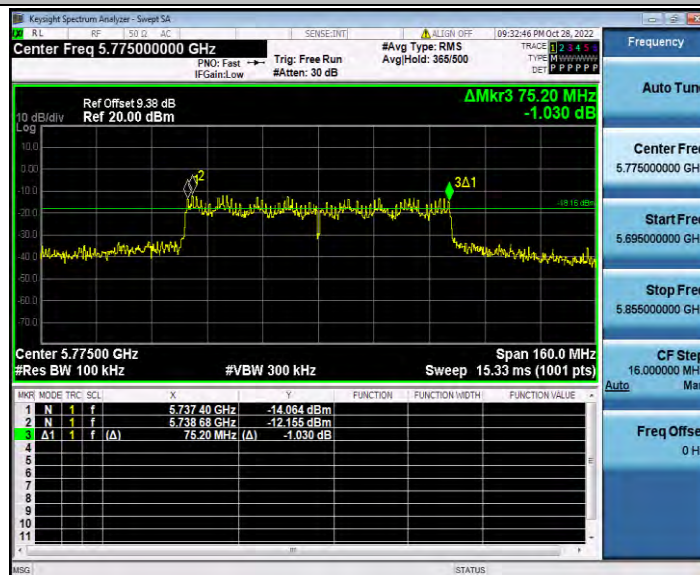
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80ISO_Ant1_5775



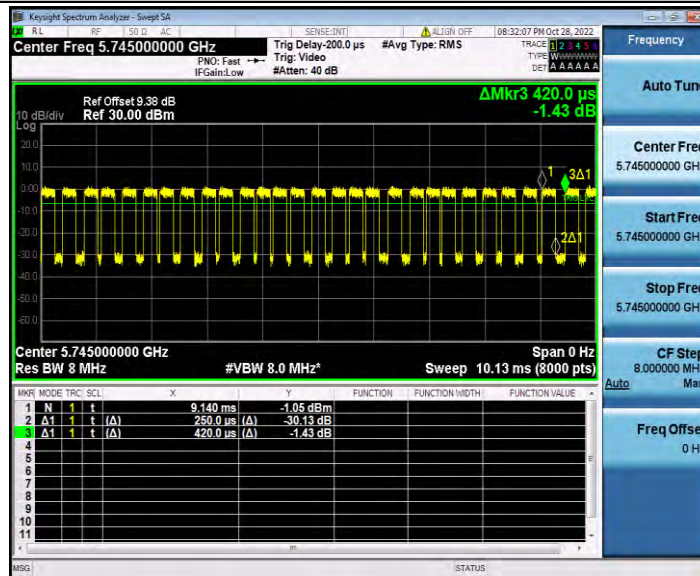
Appendix E.3: Duty Cycle

Test Result

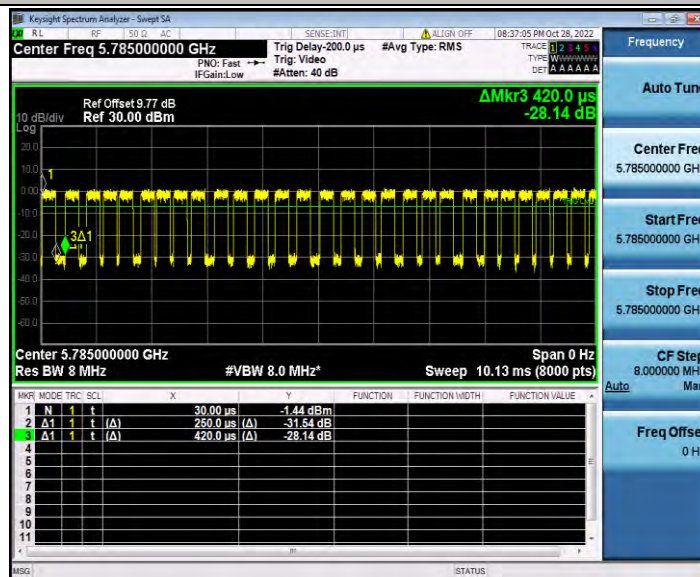
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5745	0.25	0.42	59.52
		5785	0.25	0.42	59.52
		5825	0.25	0.42	59.52
11N20SISO	Ant1	5745	0.22	0.39	56.41
		5785	0.23	0.40	57.50
		5825	0.22	0.40	55.00
11N40SISO	Ant1	5755	0.13	0.31	41.94
		5795	0.13	0.30	43.33
11AC20SISO	Ant1	5745	0.20	0.38	52.63
		5785	0.20	0.38	52.63
		5825	0.20	0.36	55.56
11AC40SISO	Ant1	5755	0.11	0.29	37.93
		5795	0.11	0.28	39.29
11AC80SISO	Ant1	5775	0.09	0.05	39.53

Test Graphs

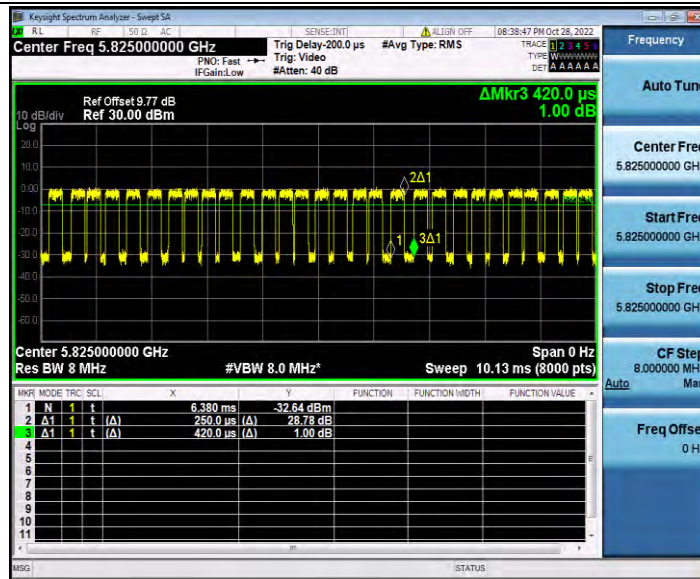
11A_Ant1_5745



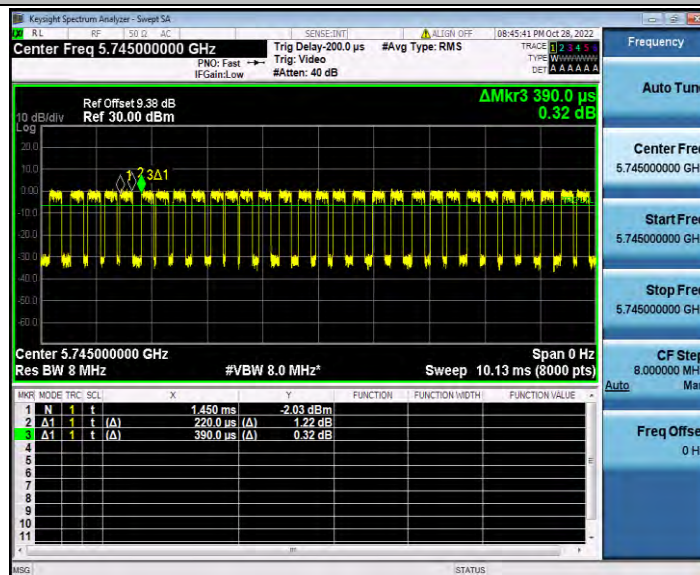
11A_Ant1_5785



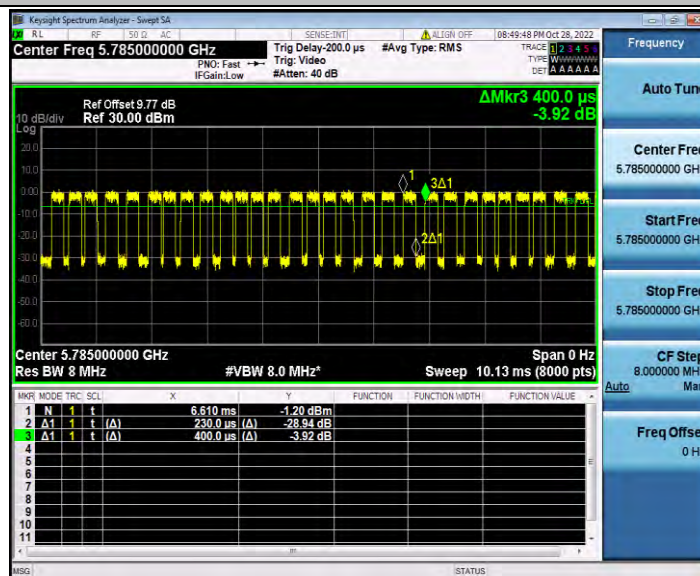
11A_Ant1_5825



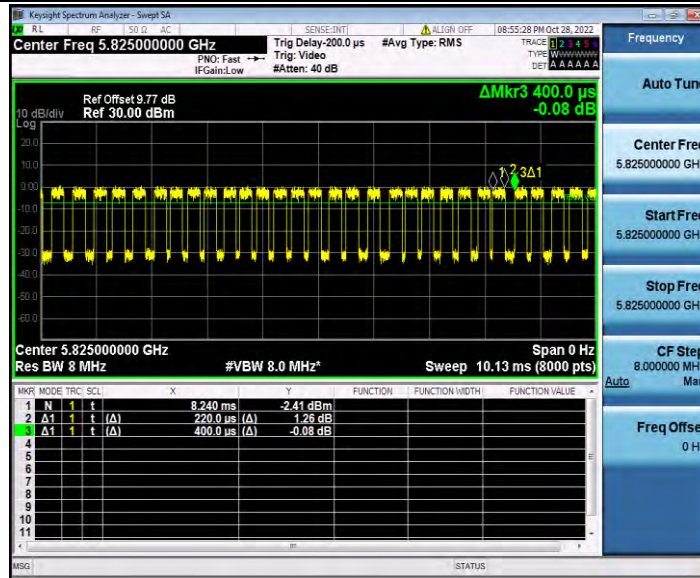
11N20SISO_Ant1_5745



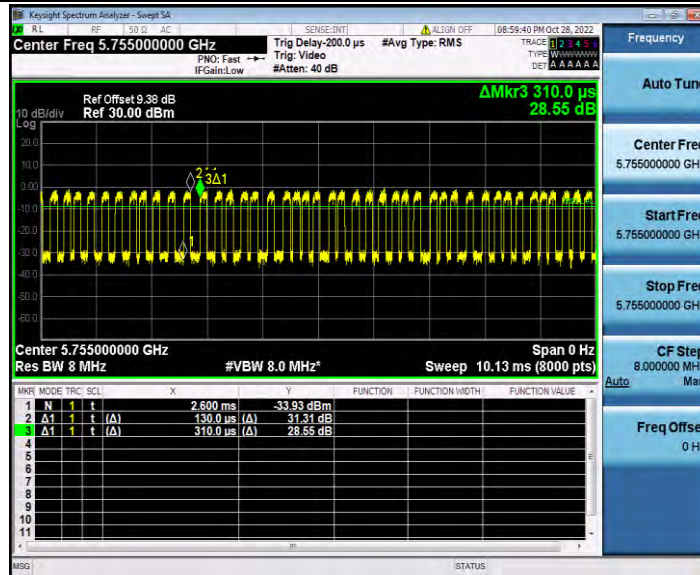
11N20SISO_Ant1_5785



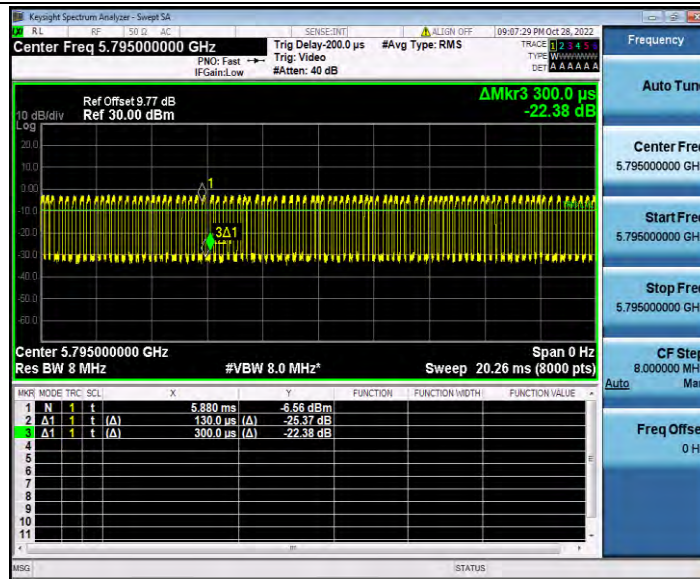
11N20SISO_Ant1_5825



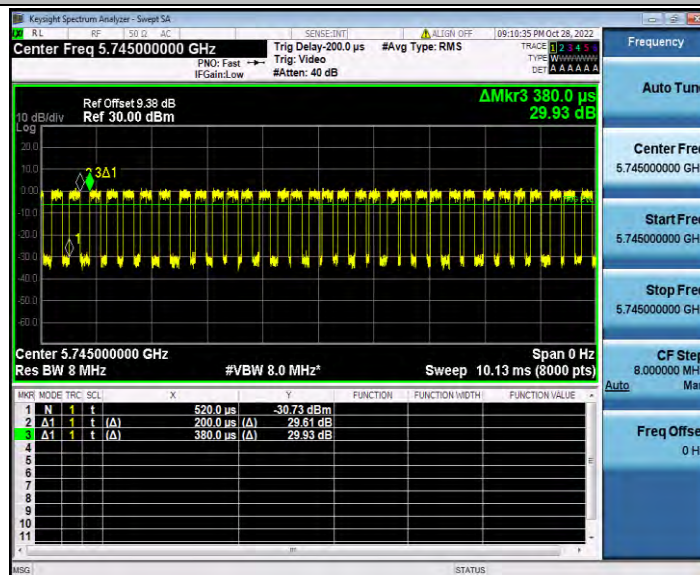
11N40SISO_Ant1_5755



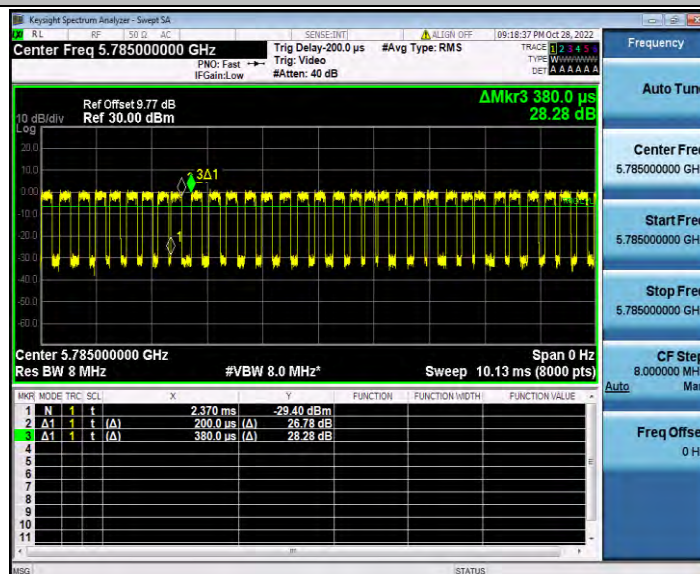
11N40SISO_Ant1_5795



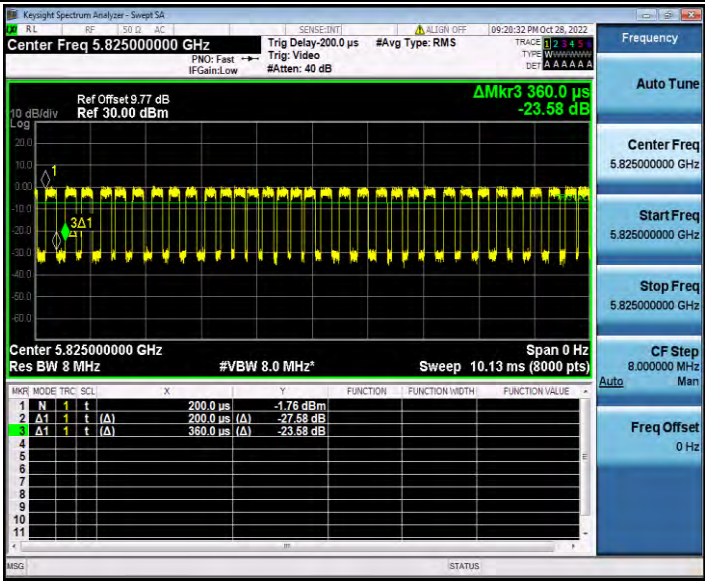
11AC20SISO_Ant1_5745



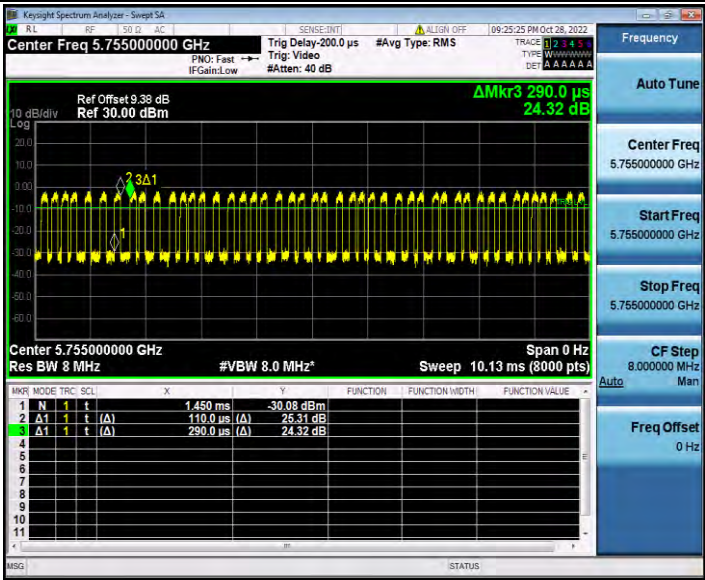
11AC20SISO_Ant1_5785



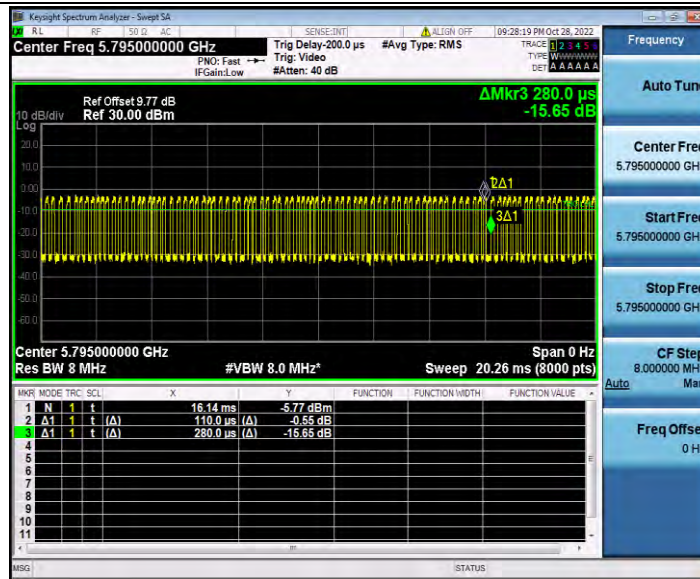
11AC20SISO_Ant1_5825



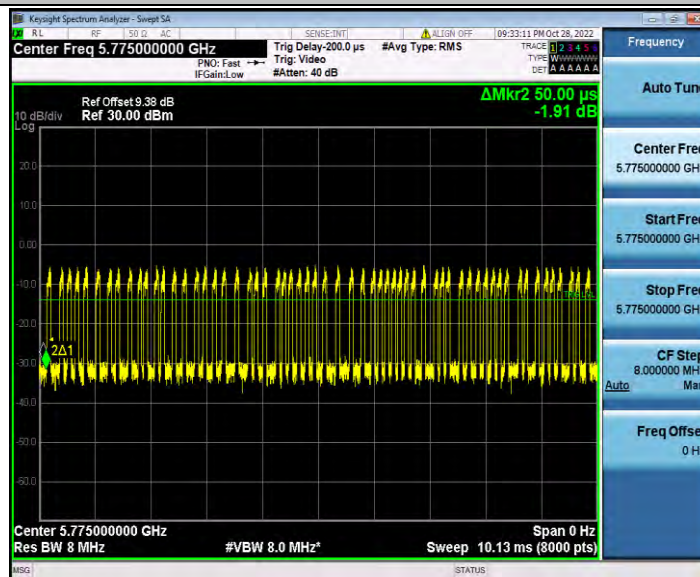
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



Appendix E.4: Maximum 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	8.57	59.52	2.25	10.82	≤30.00	PASS
		5785	9.62	59.52	2.25	11.87	≤30.00	PASS
		5825	9.69	59.52	2.25	11.94	≤30.00	PASS
11N20SISO	Ant1	5745	8.88	56.41	2.49	11.37	≤30.00	PASS
		5785	9.75	57.50	2.40	12.15	≤30.00	PASS
		5825	9.74	55.00	2.60	12.34	≤30.00	PASS
11N40SISO	Ant1	5755	8.70	41.94	3.77	12.47	≤30.00	PASS
		5795	9.63	43.33	3.63	13.26	≤30.00	PASS
11AC20SISO	Ant1	5745	9.18	52.63	2.79	11.97	≤30.00	PASS
		5785	12.25	52.63	2.79	15.04	≤30.00	PASS
		5825	12.32	55.56	2.55	14.87	≤30.00	PASS
11AC40SISO	Ant1	5755	10.14	37.93	4.21	14.35	≤30.00	PASS
		5795	11.04	39.29	4.06	15.10	≤30.00	PASS
11AC80SISO	Ant1	5775	10.40	39.53	4.03	14.43	≤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	-2.73	≤30.00	PASS
		5785	-1.91	≤30.00	PASS
		5825	-3.1	≤30.00	PASS
11N20SISO	Ant1	5745	-2.03	≤30.00	PASS
		5785	-2.41	≤30.00	PASS
		5825	-2.26	≤30.00	PASS
11N40SISO	Ant1	5755	-2.75	≤30.00	PASS
		5795	-4.24	≤30.00	PASS
11AC20SISO	Ant1	5745	-1.12	≤30.00	PASS
		5785	-1.37	≤30.00	PASS
		5825	-2.04	≤30.00	PASS
11AC40SISO	Ant1	5755	-3.69	≤30.00	PASS
		5795	-3.05	≤30.00	PASS
11AC80SISO	Ant1	5775	-10.82	≤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



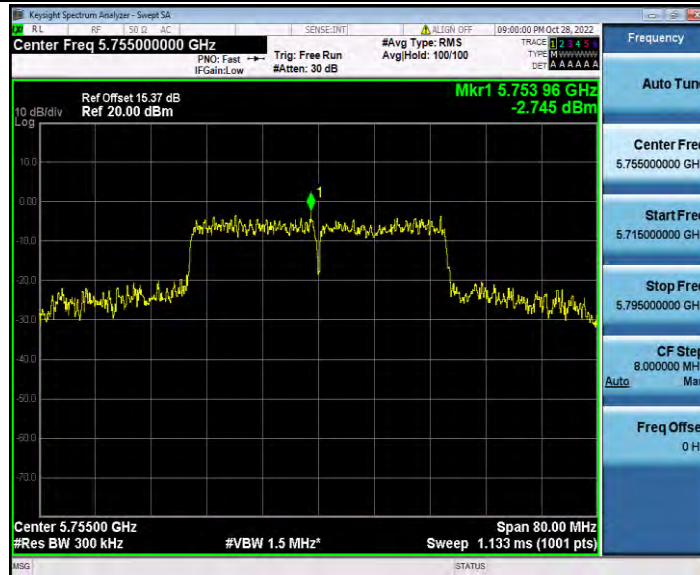
11N20SISO_Ant1_5785



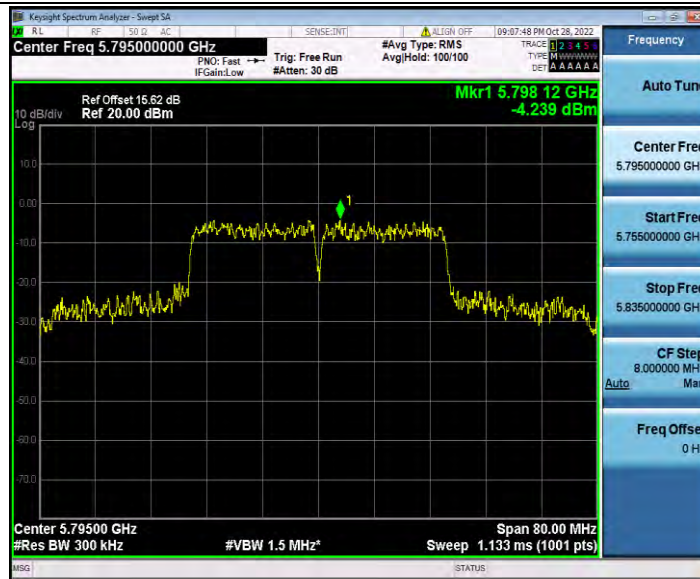
11N20SISO_Ant1_5825



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.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	-38.53	≤7.17	PASS
				5700~5720	-31.59	≤15.59	PASS
				5720~5725	-25.16	≤23.94	PASS
				5760~5650	-40.68	≤-27	PASS
		High	5825	5850~5855	-31.29	≤18.87	PASS
				5855~5875	-36.76	≤11.12	PASS
				5875~5925	-37.62	≤-2.78	PASS
				5925~5935	-38.79	≤-27	PASS
11N20SI SO	Ant1	Low	5745	5650~5700	-37.15	≤9.13	PASS
				5700~5720	-29.95	≤15.56	PASS
				5720~5725	-22.37	≤25.78	PASS
				5760~5650	-40.26	≤-27	PASS
		High	5825	5850~5855	-31.73	≤15.79	PASS
				5855~5875	-36.97	≤10.25	PASS
				5875~5925	-38.67	≤-22.06	PASS
				5925~5935	-39.22	≤-27	PASS
11N40SI SO	Ant1	Low	5755	5650~5700	-29.9	≤8.86	PASS
				5700~5720	-21.67	≤15.20	PASS
				5720~5725	-21.59	≤16.97	PASS
				5780~5650	-39.43	≤-27	PASS
		High	5795	5850~5855	-35.26	≤17.91	PASS
				5855~5875	-35.1	≤11.01	PASS
				5875~5925	-38.42	≤-22.53	PASS
				5925~5935	-38.85	≤-27	PASS
11AC20S ISO	Ant1	Low	5745	5650~5700	-37.68	≤2.66	PASS
				5700~5720	-29.98	≤15.59	PASS
				5720~5725	-23.23	≤22.11	PASS
				5760~5650	-40.21	≤-27	PASS
		High	5825	5850~5855	-33.51	≤15.79	PASS
				5855~5875	-34.94	≤10.02	PASS
				5875~5925	-38.16	≤-12.77	PASS
				5925~5935	-39.61	≤-27	PASS
11AC40S ISO	Ant1	Low	5755	5650~5700	-32.3	≤9.76	PASS
				5700~5720	-24.16	≤12.71	PASS
				5720~5725	-22.91	≤26.20	PASS

		High	5795	5780~5650	-37.06	≤ -27	PASS
				5850~5855	-34.08	≤ 17.54	PASS
				5855~5875	-35.86	≤ 10.41	PASS
				5875~5925	-37.97	≤ -22.53	PASS
				5925~5935	-37.9	≤ -27	PASS
11AC80S ISO	Ant1	Low	5775	5650~5700	-25.47	≤ -0.42	PASS
				5700~5720	-23.54	≤ 15.35	PASS
				5720~5725	-23.93	≤ 23.77	PASS
				5800~5650	-34.86	≤ -27	PASS
		High	5775	5850~5855	-29.35	≤ 22.96	PASS
				5855~5875	-28.15	≤ 12.35	PASS
				5875~5925	-33.69	≤ -24.63	PASS
				5925~5935	-38.62	≤ -27	PASS

Test Graphs B4

11A_Ant1_Low_5745



11A_Ant1_High_5825



11N20SISO_Ant1_Low_5745



11N20SISO_Ant1_High_5825



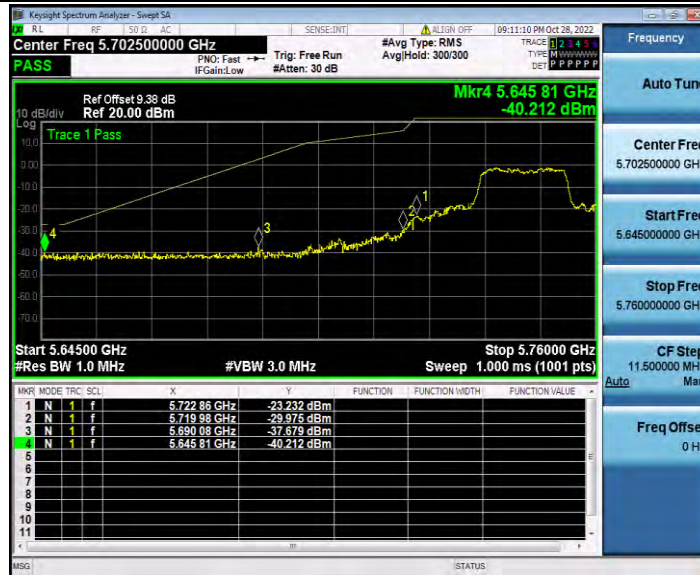
11N40SISO_Ant1_Low_5755



11N40SISO_Ant1_High_5795



11AC20SISO_Ant1_Low_5745



11AC20SISO_Ant1_High_5825



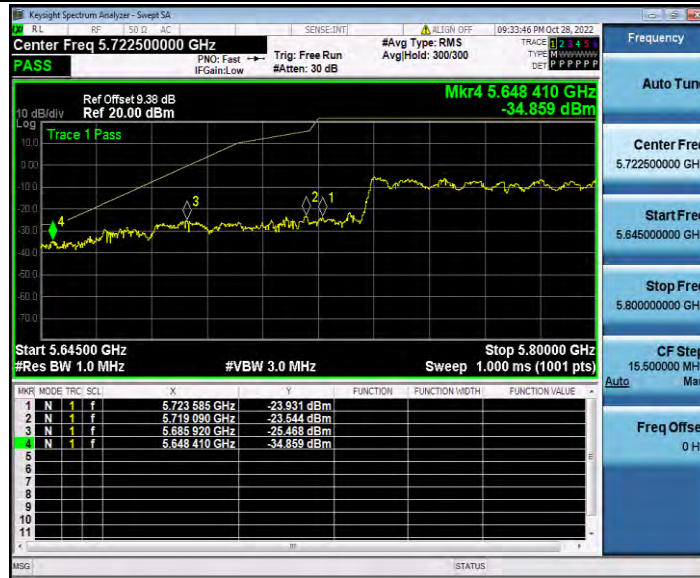
11AC40SISO_Ant1_Low_5755



11AC40SISO_Ant1_High_5795



11AC80SISO_Ant1_Low_5775



11AC80SISO_Ant1_High_5775



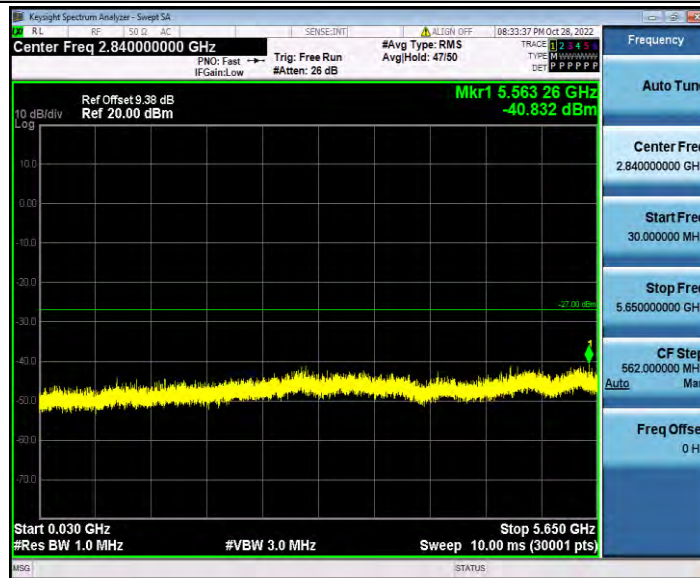
Appendix E.7: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	5563.26	-40.83	≤-27	PASS
			5925~40000	24255.33	-32.36	≤-27	PASS
		5785	30~5650	3300.47	-40.24	≤-27	PASS
			5925~40000	25677.19	-32.64	≤-27	PASS
		5825	30~5650	2800.66	-40.8	≤-27	PASS
			5925~40000	24929.03	-32.48	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	3085.22	-41.43	≤-27	PASS
			5925~40000	23549.32	-32.07	≤-27	PASS
		5785	30~5650	5454.61	-40.38	≤-27	PASS
			5925~40000	24181.57	-32.49	≤-27	PASS
		5825	30~5650	5451.8	-40.47	≤-27	PASS
			5925~40000	25235.32	-32	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	5512.5	-41.39	≤-27	PASS
			5925~40000	24267.98	-32.78	≤-27	PASS
		5795	30~5650	5468.47	-39.41	≤-27	PASS
			5925~40000	24211.78	-32.45	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	3295.59	-40.84	≤-27	PASS
			5925~40000	24215.99	-32.68	≤-27	PASS
		5785	30~5650	5407.78	-40.6	≤-27	PASS
			5925~40000	25176.31	-32.75	≤-27	PASS
		5825	30~5650	5505.75	-40.74	≤-27	PASS
			5925~40000	24265.17	-32.34	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	5649.25	-41.28	≤-27	PASS
			5925~40000	24782.91	-33.35	≤-27	PASS
		5795	30~5650	5429.32	-40.83	≤-27	PASS
			5925~40000	26898.14	-32.1	≤-27	PASS
11AC80SISO	Ant1	5775	30~5650	5623.77	-35.47	≤-27	PASS
			5925~40000	26907.97	-32.04	≤-27	PASS

Test Graphs

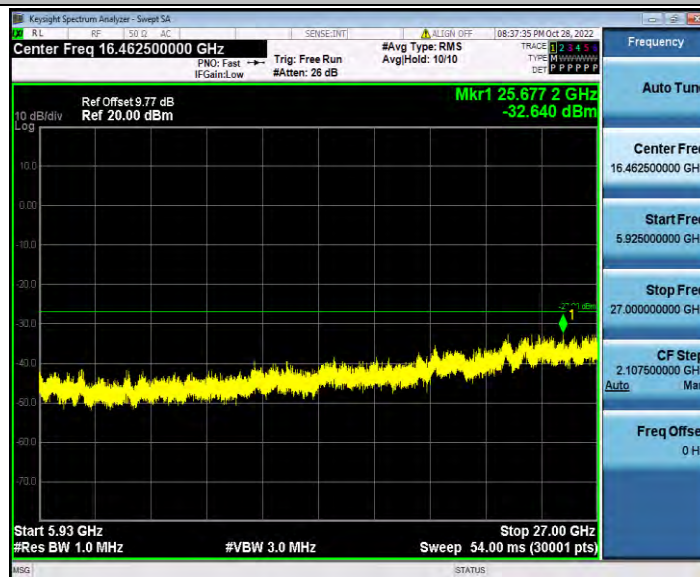
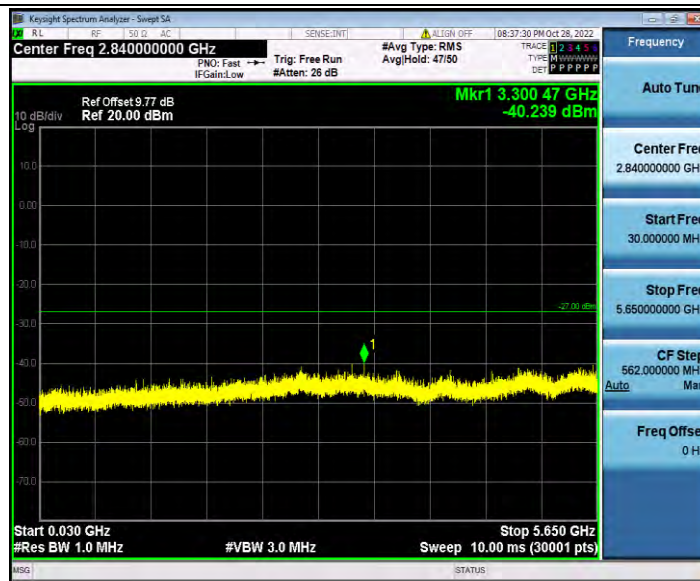
11A_Ant1_5745_30~5650



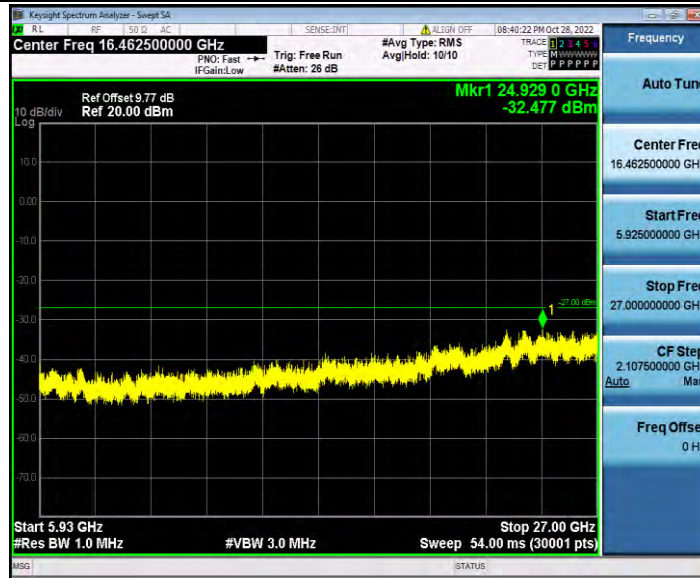
11A_Ant1_5745_5925~40000



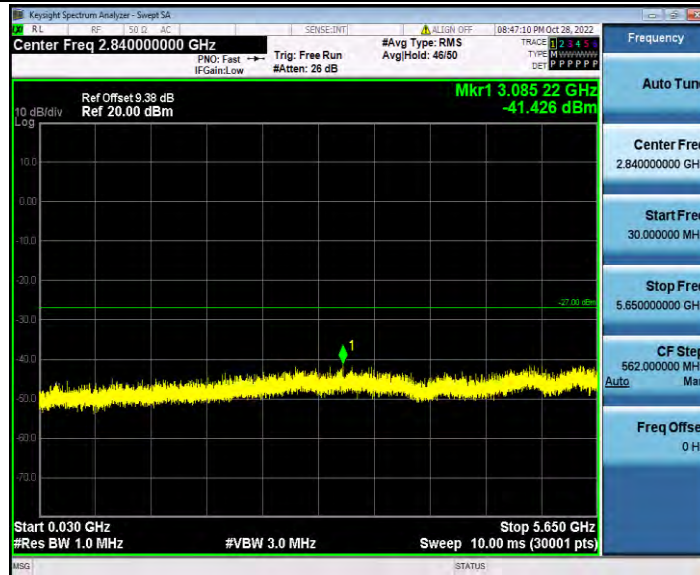
11A_Ant1_5785_30~5650



11A_Ant1_5825_5925~40000



11N20SISO_Ant1_5745_30~5650



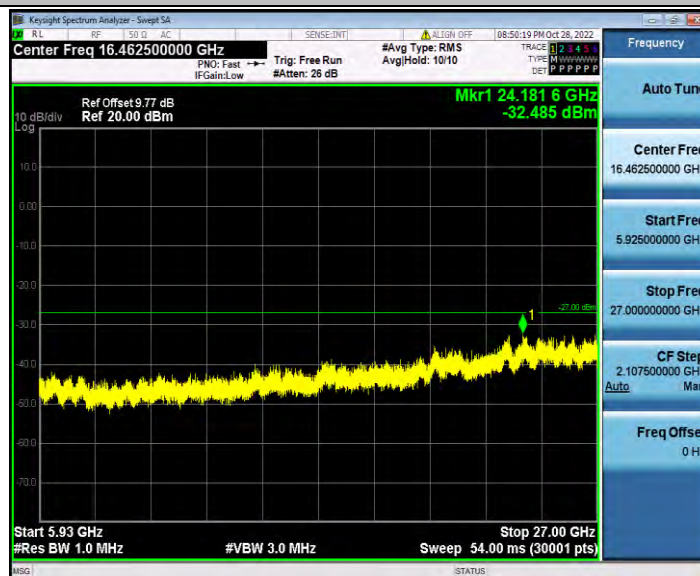
11N20SISO_Ant1_5745_5925~40000



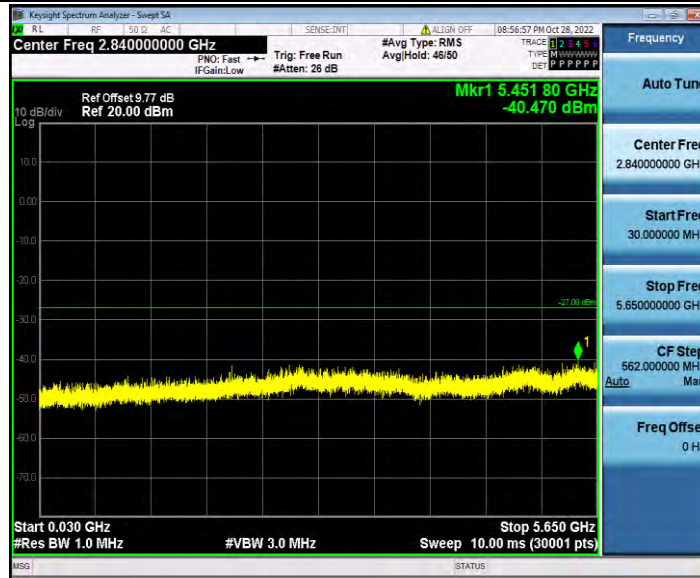
11N20SISO_Ant1_5785_30~5650



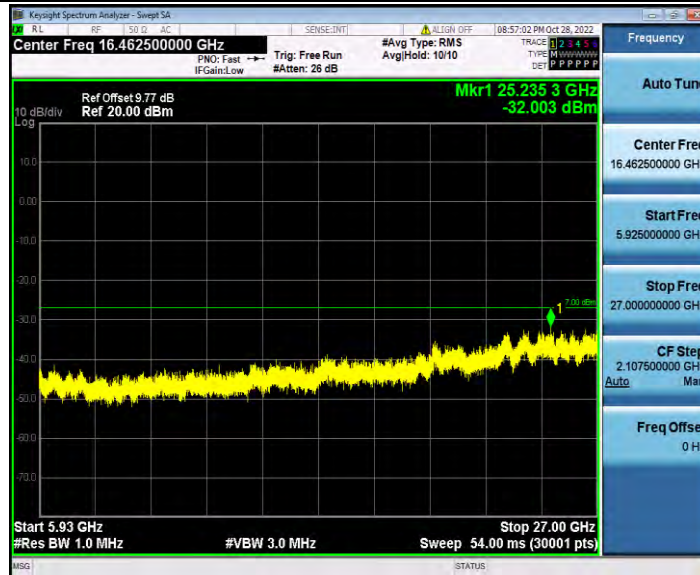
11N20SISO_Ant1_5785_5925~40000



11N20SISO_Ant1_5825_30~5650



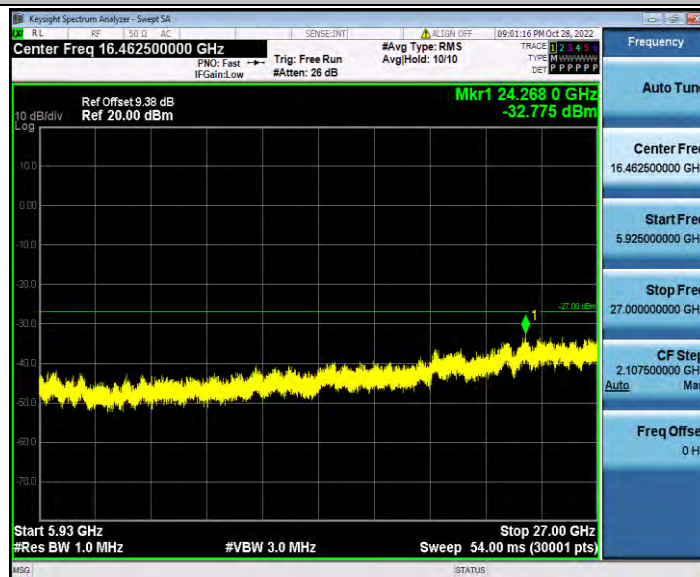
11N20SISO_Ant1_5825_5925~40000



11N40SISO_Ant1_5755_30~5650



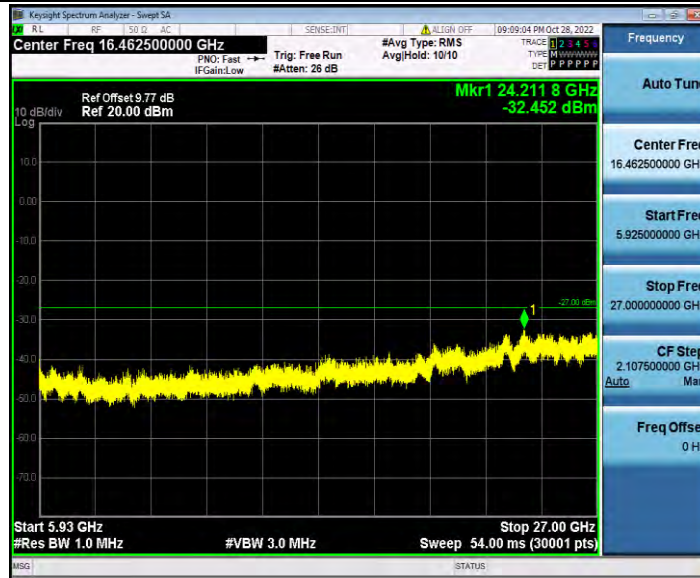
11N40SISO_Ant1_5755_5925~40000



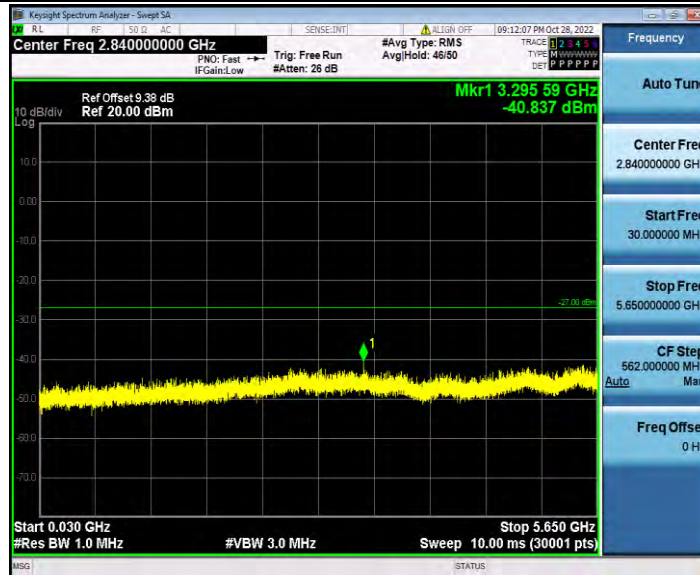
11N40SISO_Ant1_5795_30~5650



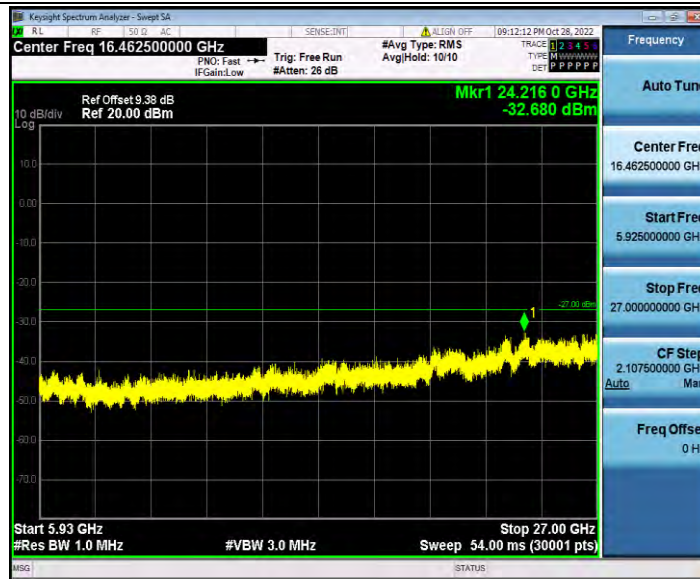
11N40SISO_Ant1_5795_5925~40000



11AC20SISO_Ant1_5745_30~5650



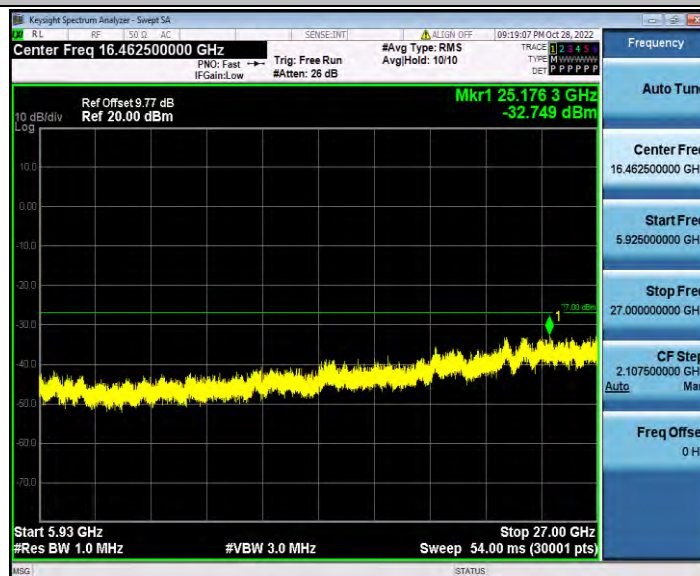
11AC20SISO_Ant1_5745_5925~40000



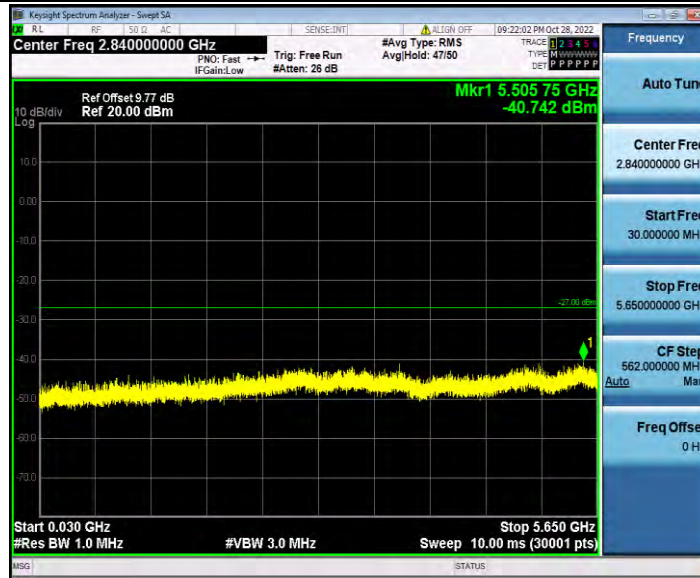
11AC20SISO_Ant1_5785_30~5650



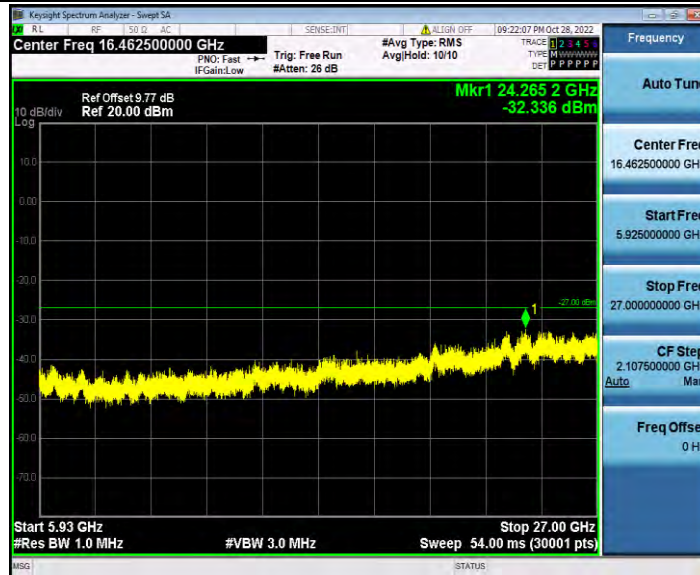
11AC20SISO_Ant1_5785_5925~40000



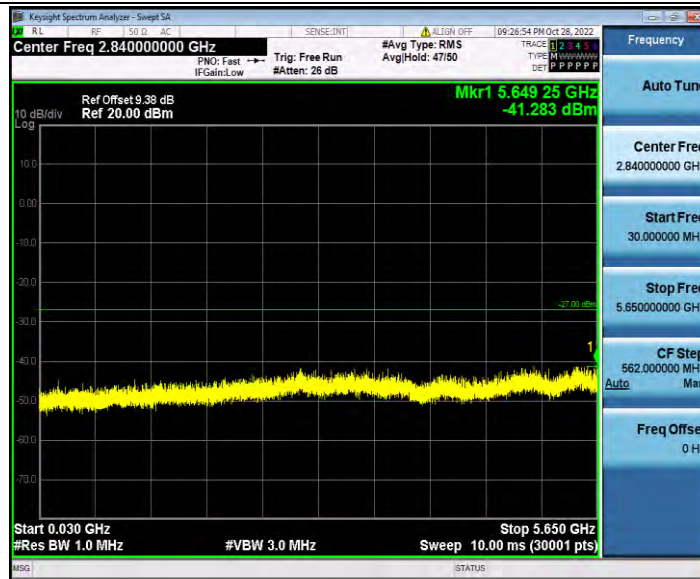
11AC20SISO_Ant1_5825_30~5650



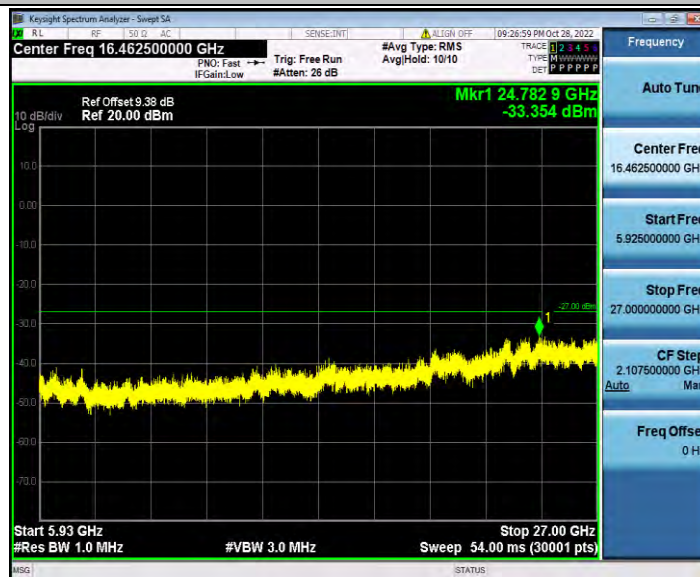
11AC20SISO_Ant1_5825_5925~40000



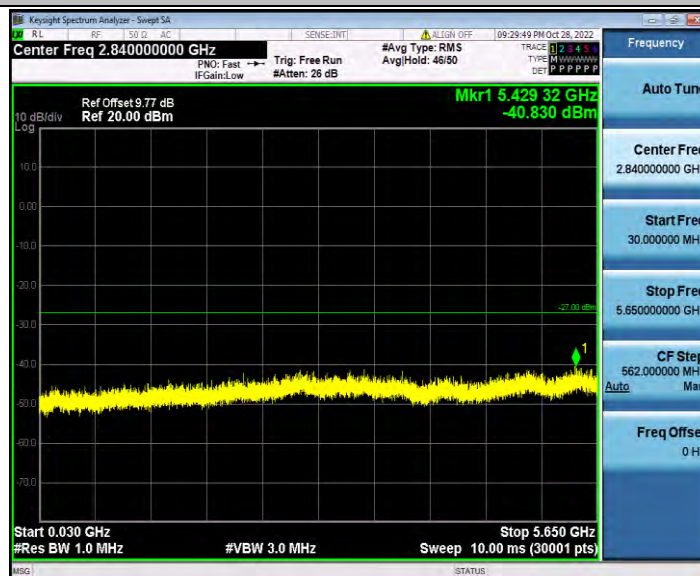
11AC40SISO_Ant1_5755_30~5650



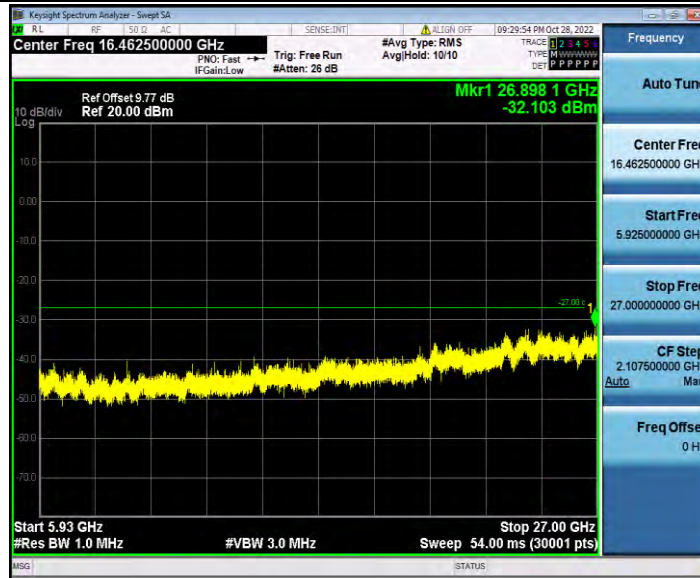
11AC40SISO_Ant1_5755_5925~40000



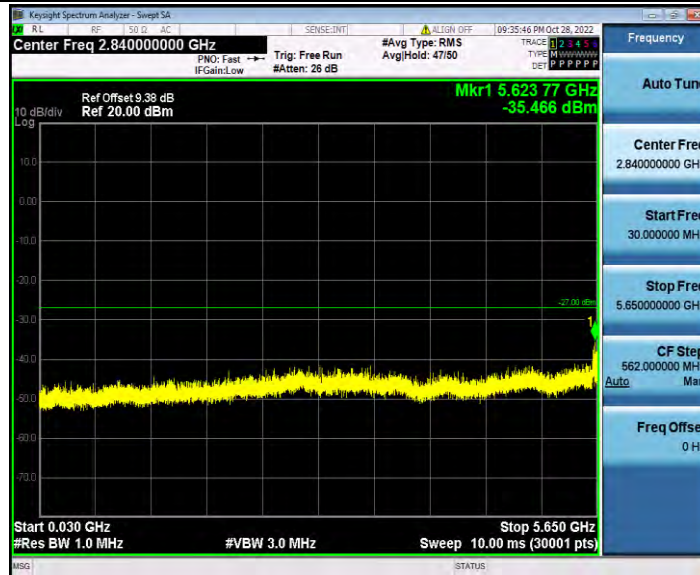
11AC40SISO_Ant1_5795_30~5650



11AC40SISO_Ant1_5795_5925~40000



11AC80SISO_Ant1_5775_30~5650



11AC80SISO_Ant1_5775_5925~40000

