

Case No. : GTS20220704019-1-4	
Ambient Condition: 24 °C, 52 %RH,	
Test Date: 2022.8.10	Test Engineer: Jenny zeng

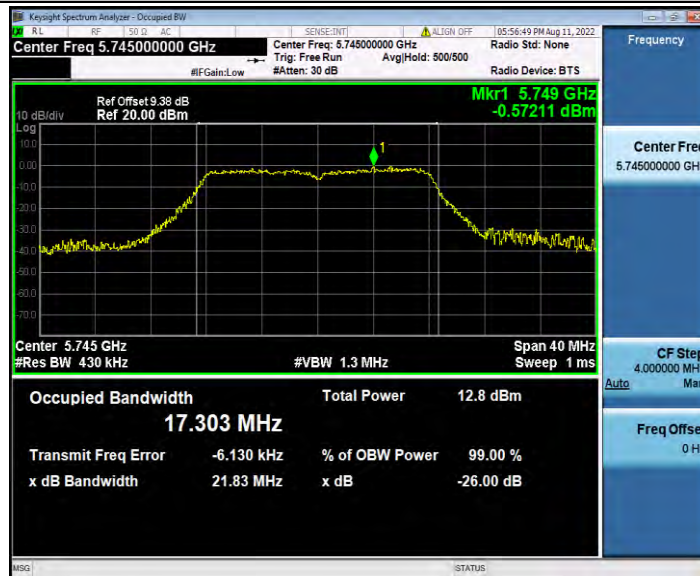
Appendix F.1: Occupied channel bandwidth

Test Result

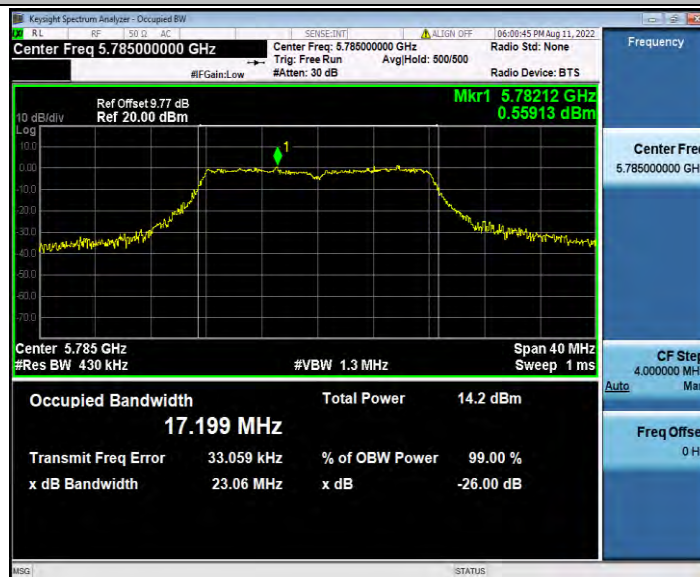
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.303	5736.342	5753.645	---	---
		5785	17.199	5776.434	5793.633	---	---
		5825	17.204	5816.361	5833.565	---	---
11N20SISO	Ant1	5745	18.142	5735.953	5754.095	---	---
		5785	18.090	5775.983	5794.073	---	---
		5825	18.009	5815.982	5833.991	---	---
11N40SISO	Ant1	5755	49.156	5731.080	5780.236	---	---
		5795	36.772	5776.697	5813.469	---	---
11AC20SISO	Ant1	5745	18.113	5735.953	5754.066	---	---
		5785	18.082	5775.959	5794.041	---	---
		5825	18.101	5815.900	5834.001	---	---
11AC40SISO	Ant1	5755	40.918	5736.594	5777.512	---	---
		5795	41.536	5776.550	5818.086	---	---
11AC80SISO	Ant1	5775	76.402	5737.202	5813.604	---	---

Test Graphs

11A_Ant1_5745



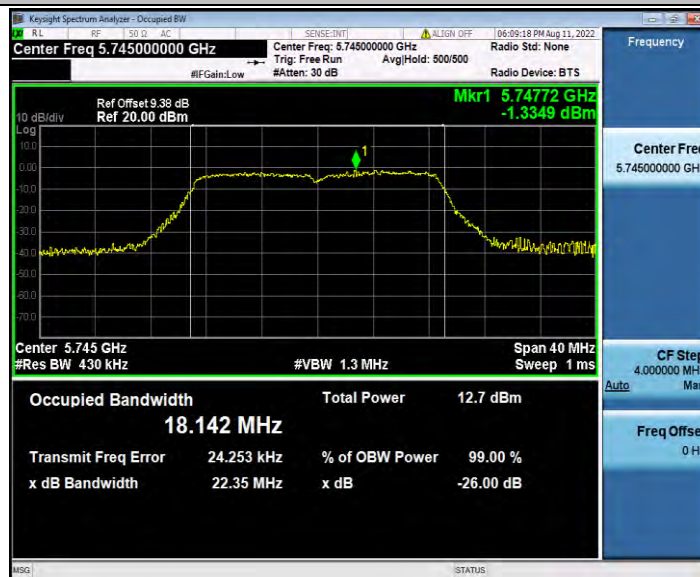
11A_Ant1_5785



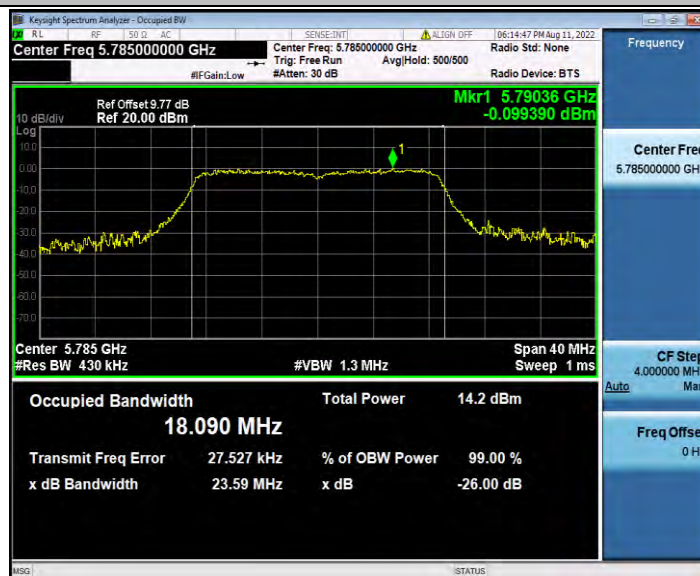
11A_Ant1_5825



11N20SISO_Ant1_5745



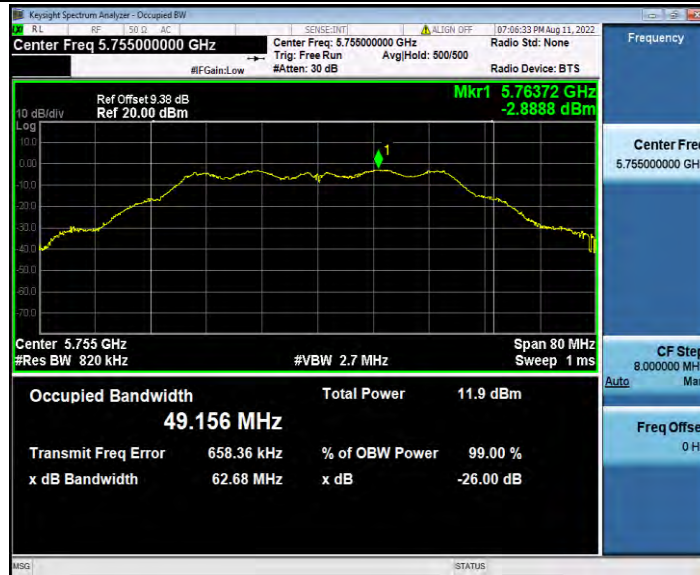
11N20SISO_Ant1_5785



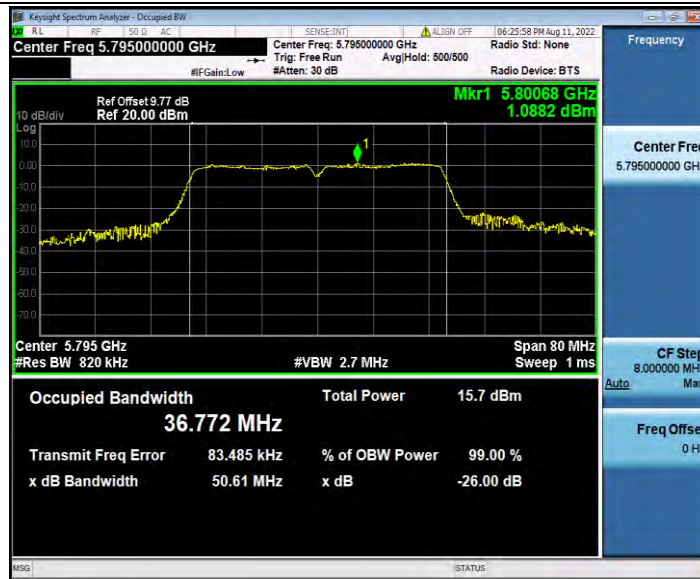
11N20SISO_Ant1_5825



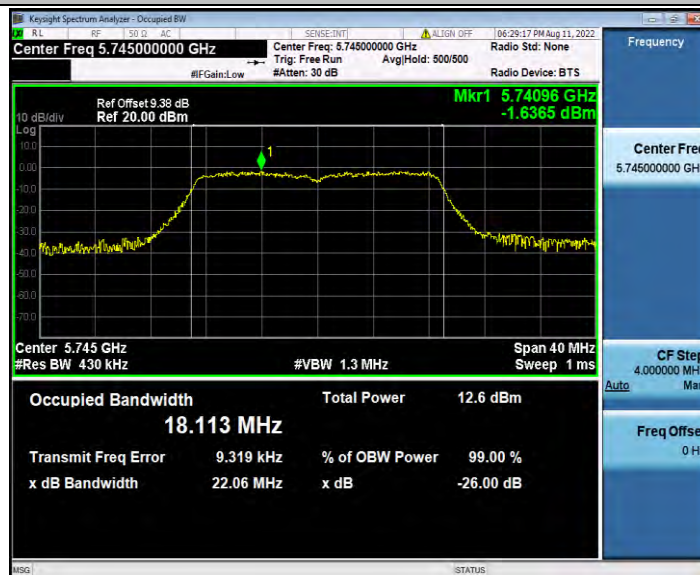
11N40SISO_Ant1_5755



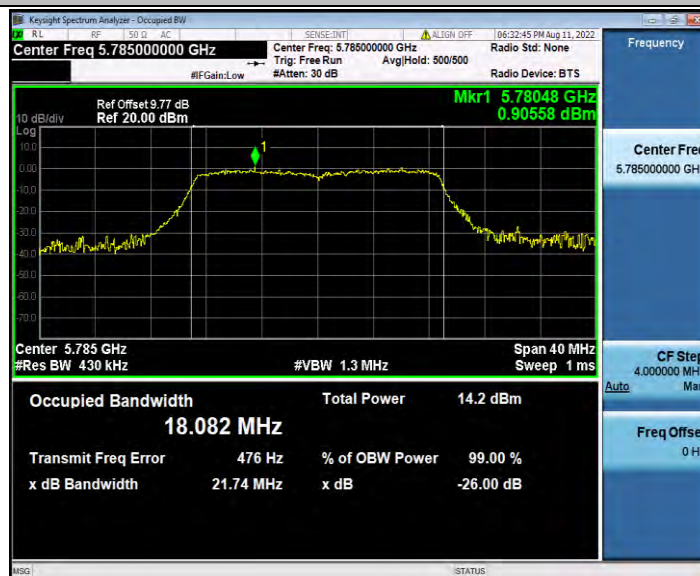
11N40SISO_Ant1_5795



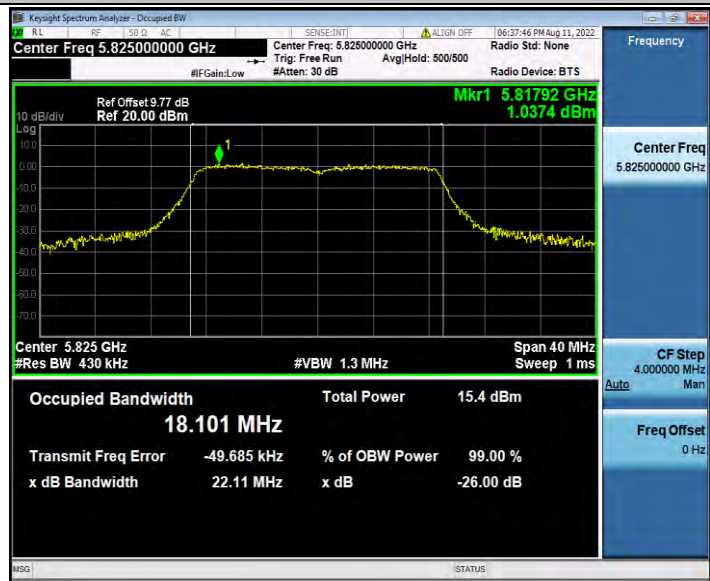
11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



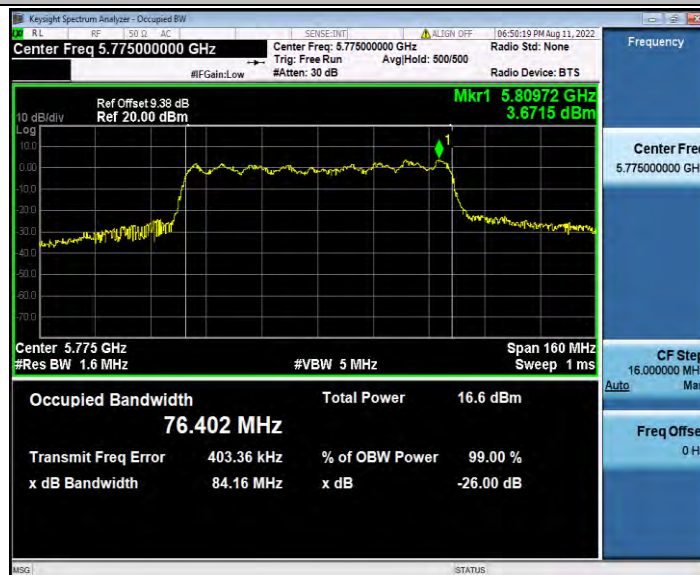
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



Appendix F.2: Min emission bandwidth

Test Result B4

TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.320	5736.840	5753.160	0.5	PASS
		5785	16.320	5776.840	5793.160	0.5	PASS
		5825	16.360	5816.800	5833.160	0.5	PASS
11N20SISO	Ant1	5745	17.320	5736.440	5753.760	0.5	PASS
		5785	17.280	5776.480	5793.760	0.5	PASS
		5825	17.160	5816.240	5833.400	0.5	PASS
11N40SISO	Ant1	5755	37.280	5736.520	5773.800	0.5	PASS
		5795	35.440	5777.400	5812.840	0.5	PASS
11AC20SISO	Ant1	5745	17.600	5736.200	5753.800	0.5	PASS
		5785	17.320	5776.440	5793.760	0.5	PASS
		5825	17.560	5816.200	5833.760	0.5	PASS
11AC40SISO	Ant1	5755	35.360	5737.400	5772.760	0.5	PASS
		5795	35.520	5777.400	5812.920	0.5	PASS
11AC80SISO	Ant1	5775	75.200	5737.400	5812.600	0.5	PASS

Test Graphs B4

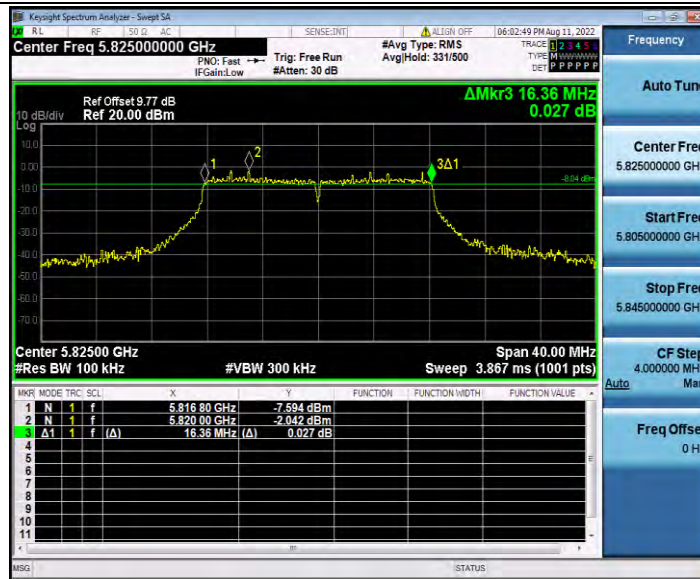
11A_Ant1_5745



11A_Ant1_5785



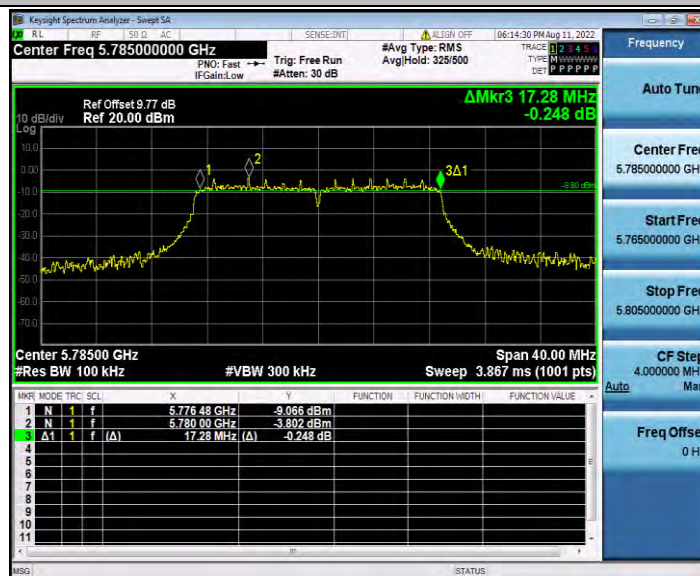
11A_Ant1_5825



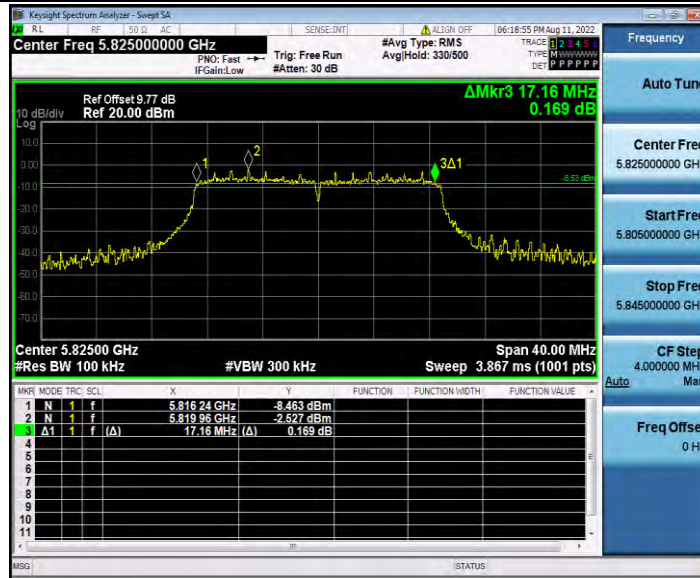
11N20SISO_Ant1_5745



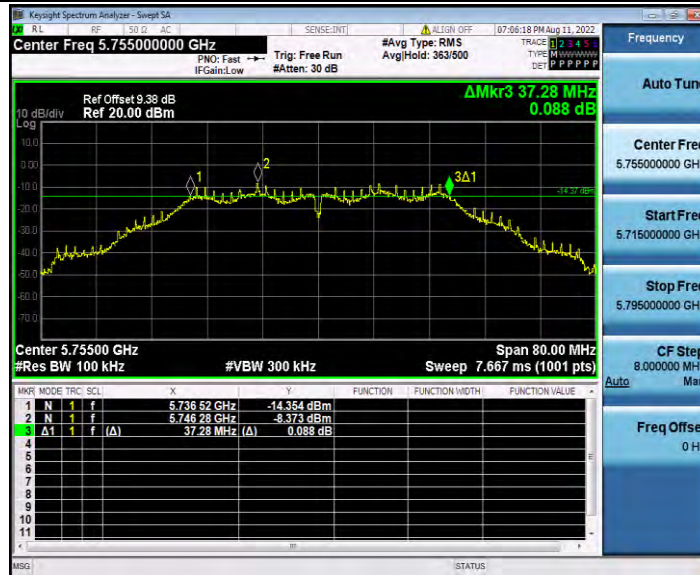
11N20SISO_Ant1_5785



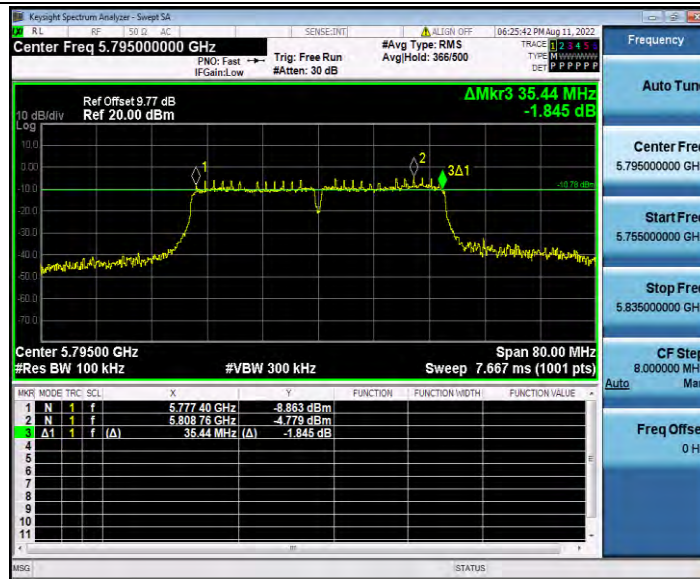
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



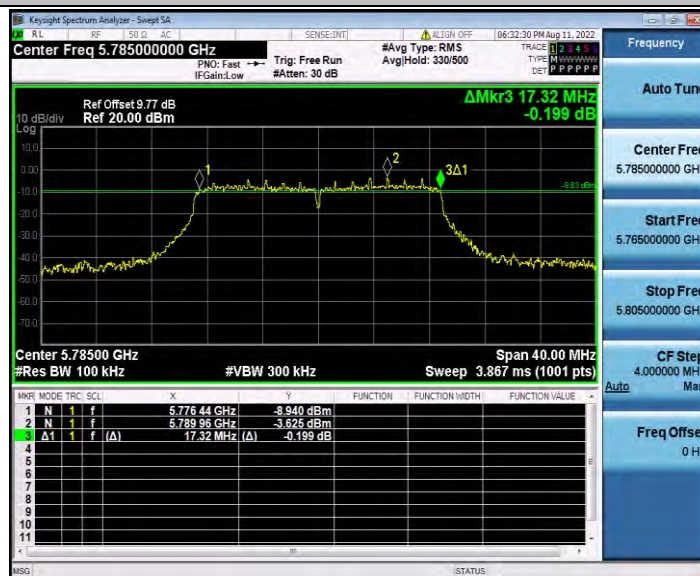
11N40SISO_Ant1_5795



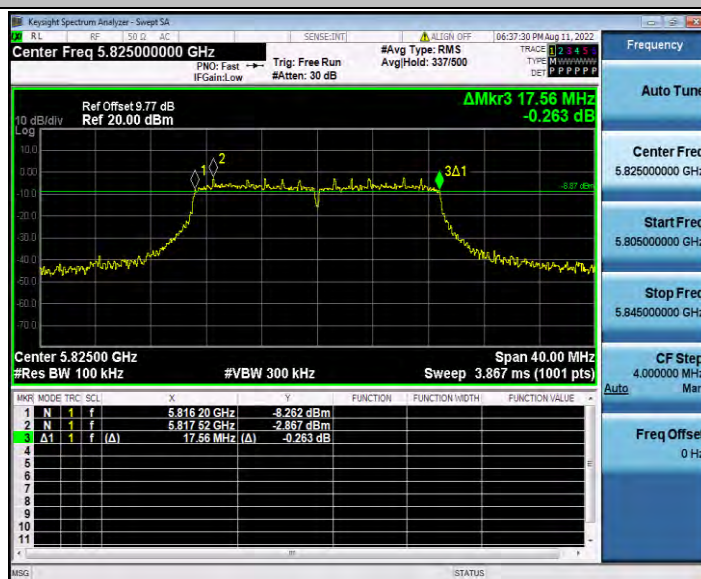
11AC20SISO_Ant1_5745



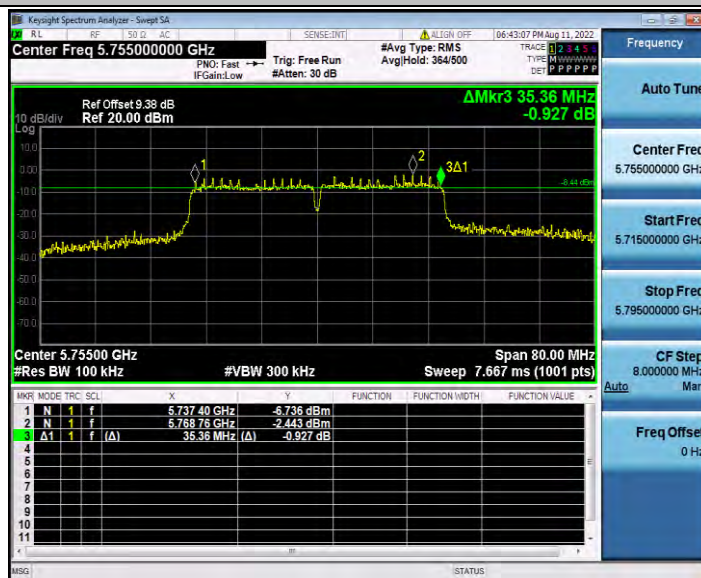
11AC20SISO_Ant1_5785



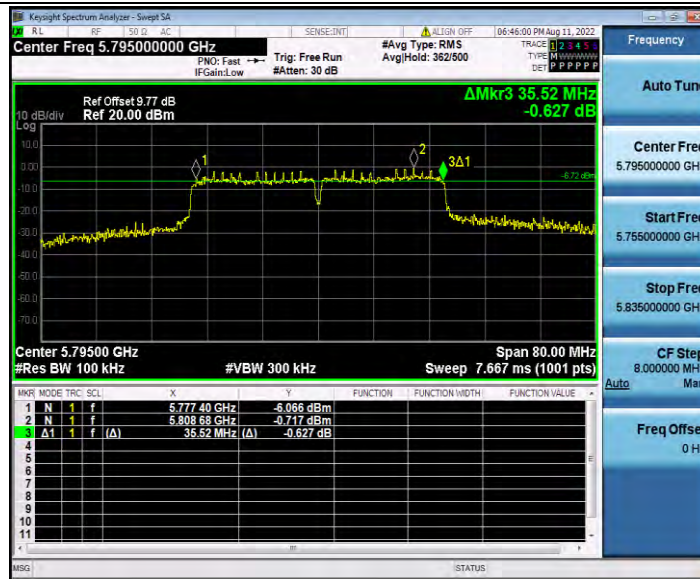
11AC20SISO_Ant1_5825



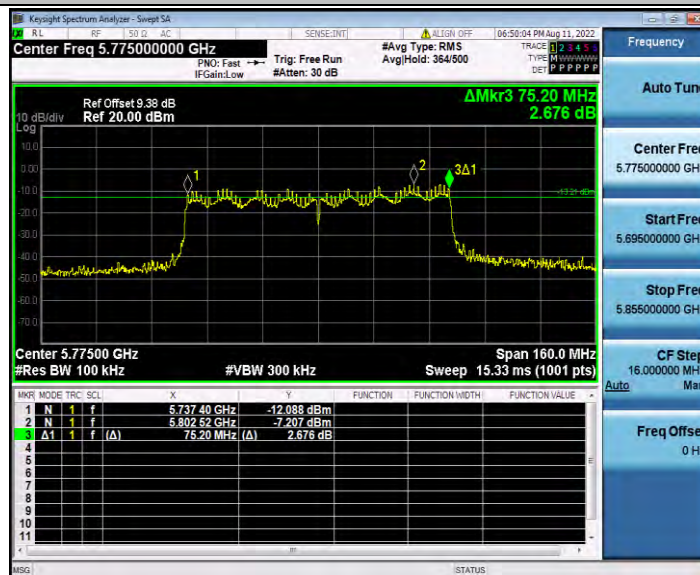
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



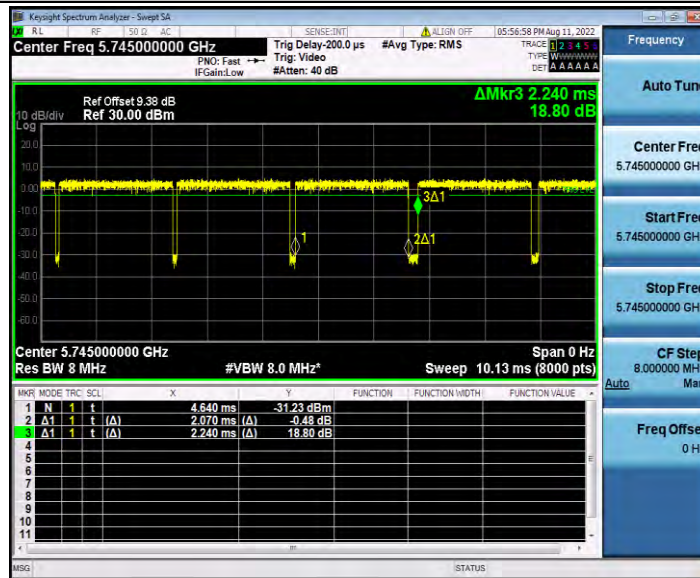
Appendix F.3: Duty Cycle

Test Result

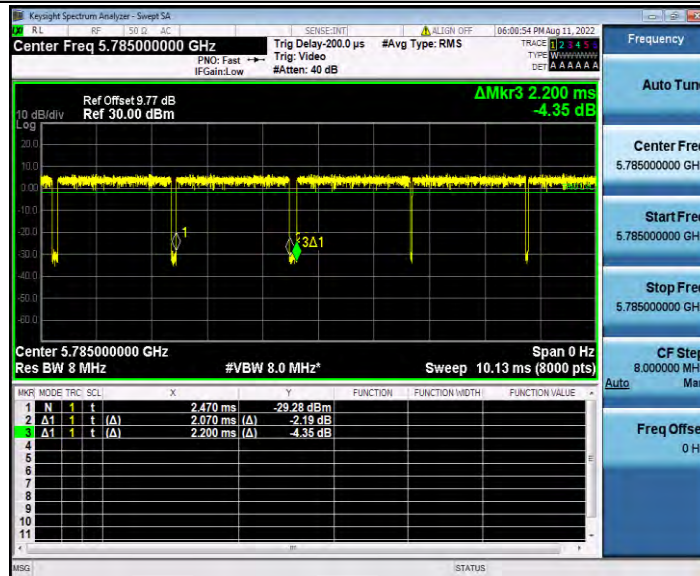
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5745	2.07	2.24	92.41
		5785	2.07	2.20	94.09
		5825	2.07	2.20	94.09
11N20SISO	Ant1	5745	1.92	2.08	92.31
		5785	1.92	2.09	91.87
		5825	1.92	2.09	91.87
11N40SISO	Ant1	5755	0.46	0.64	71.88
		5795	0.94	1.12	83.93
11AC20SISO	Ant1	5745	1.93	2.09	92.34
		5785	1.93	2.09	92.34
		5825	1.94	2.09	92.82
11AC40SISO	Ant1	5755	0.95	1.12	84.82
		5795	0.96	1.13	84.96
11AC80SISO	Ant1	5775	0.46	0.64	71.88

Test Graphs

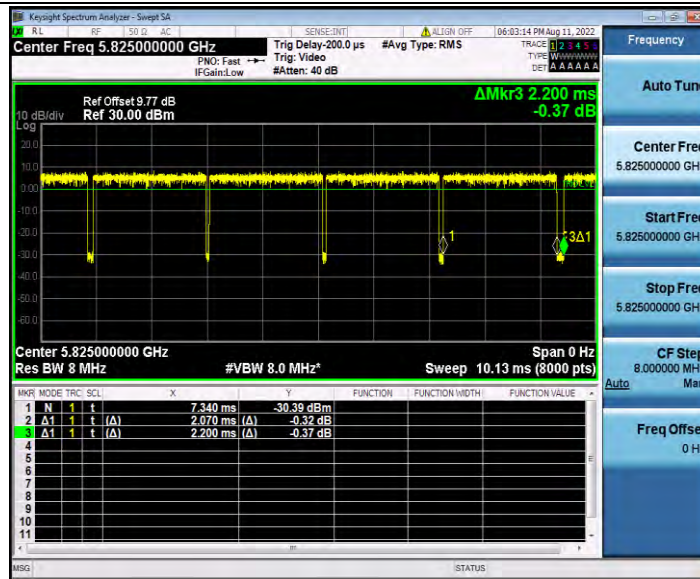
11A_Ant1_5745



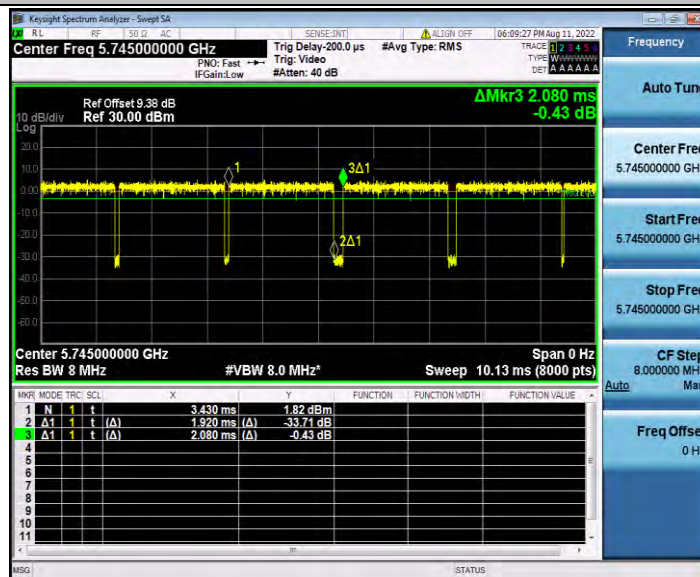
11A_Ant1_5785



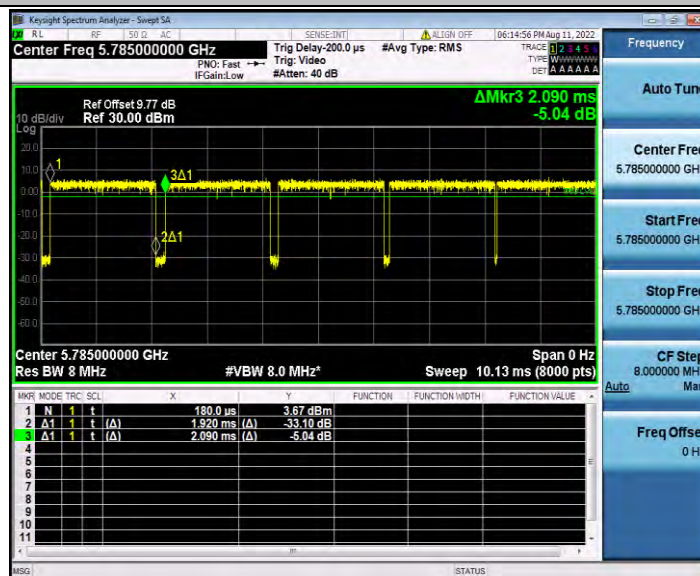
11A_Ant1_5825



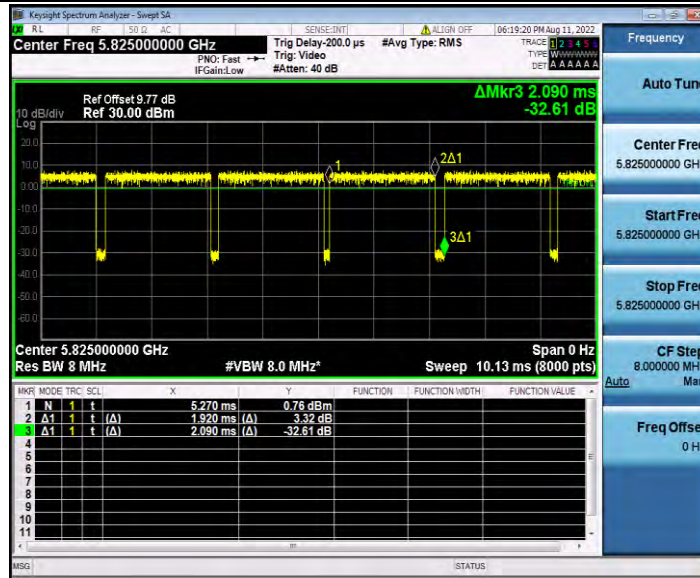
11N20SISO_Ant1_5745



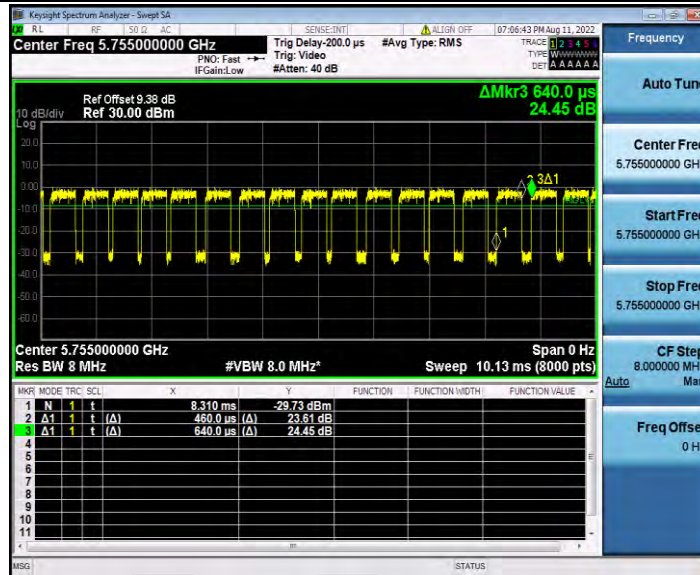
11N20SISO_Ant1_5785



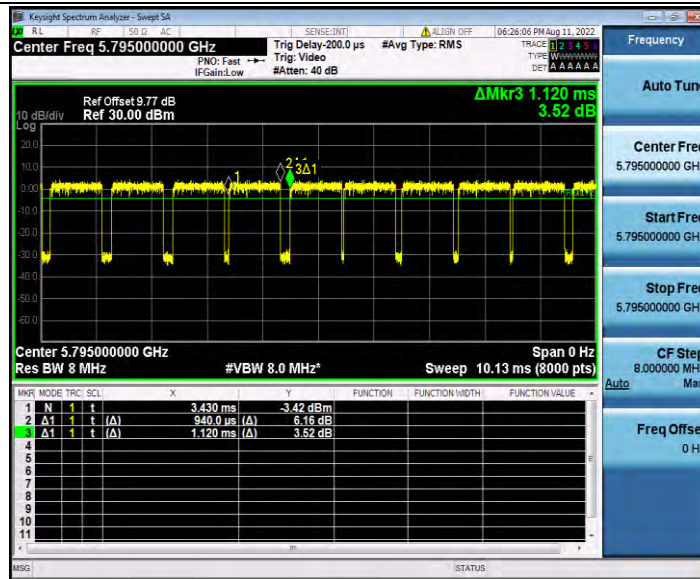
11N20SISO_Ant1_5825



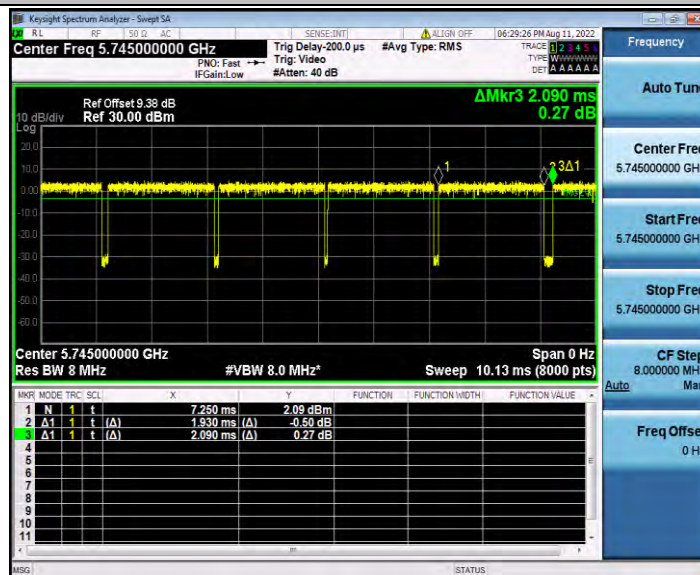
11N40SISO_Ant1_5755



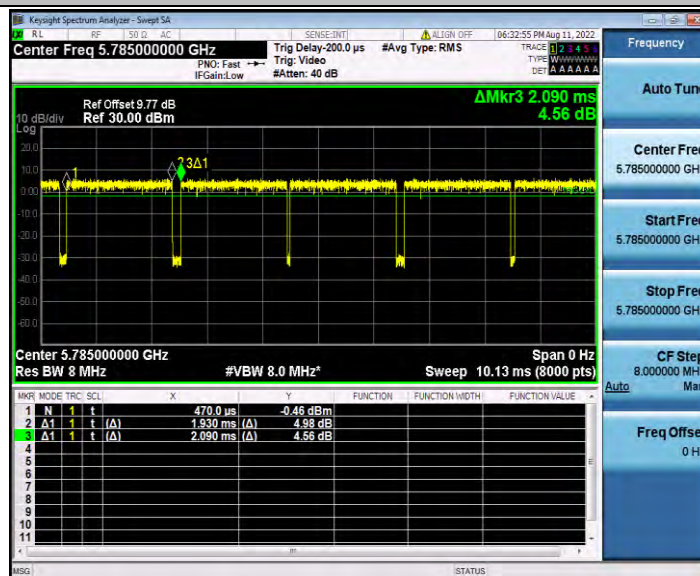
11N40SISO_Ant1_5795



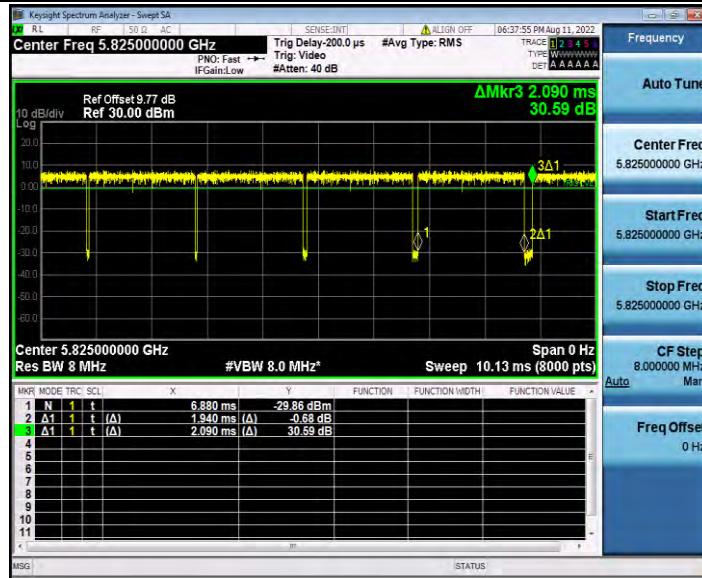
11AC20SISO_Ant1_5745



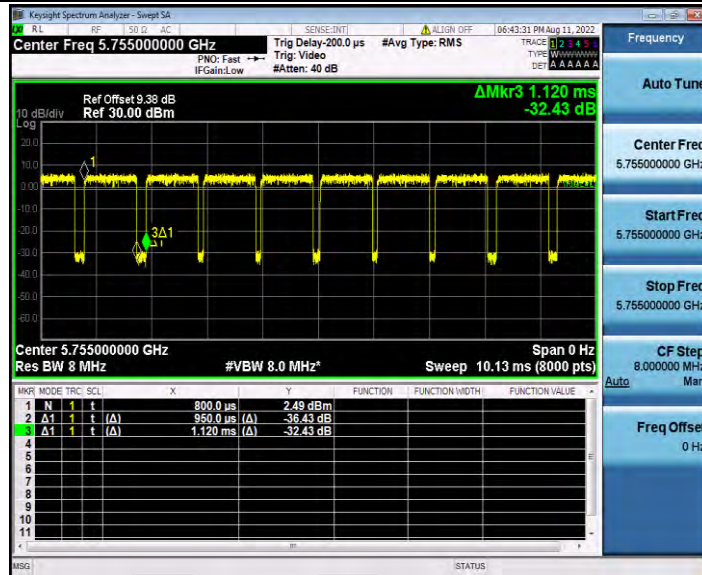
11AC20SISO_Ant1_5785



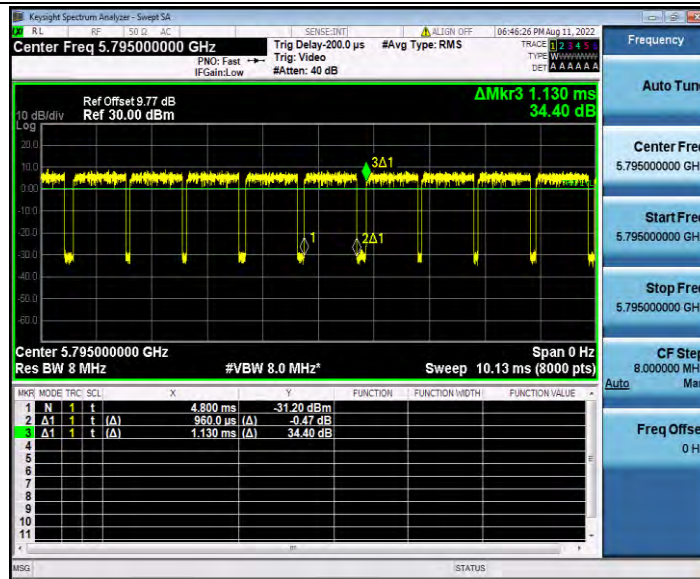
11AC20SISO_Ant1_5825



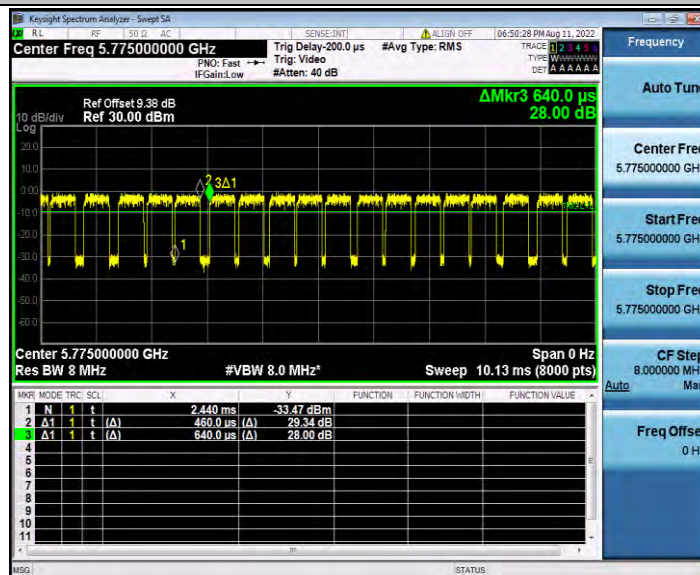
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



Appendix F.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	7.80	92.41	0.34	8.14	≤30.00	PASS
		5785	7.25	94.09	0.26	7.51	≤30.00	PASS
		5825	8.77	94.09	0.26	9.03	≤30.00	PASS
11N20SIS O	Ant1	5745	7.51	92.31	0.35	7.86	≤30.00	PASS
		5785	7.19	91.87	0.37	7.56	≤30.00	PASS
		5825	8.28	91.87	0.37	8.65	≤30.00	PASS
11N40SIS O	Ant1	5755	6.45	85.59	0.68	7.13	≤30.00	PASS
		5795	7.94	83.93	0.76	8.70	≤30.00	PASS
11AC20SIS O	Ant1	5745	5.58	92.34	0.35	5.93	≤30.00	PASS
		5785	7.22	92.34	0.35	7.57	≤30.00	PASS
		5825	8.43	92.82	0.32	8.75	≤30.00	PASS
11AC40SIS O	Ant1	5755	10.32	84.82	0.72	11.04	≤30.00	PASS
		5795	12.00	84.96	0.71	12.71	≤30.00	PASS
11AC80SIS O	Ant1	5775	7.10	71.88	1.43	8.53	≤30.00	PASS

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

Appendix F.5: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-0.38	≤30.00	PASS
		5785	1.06	≤30.00	PASS
		5825	1.12	≤30.00	PASS
11N20SISO	Ant1	5745	-1.04	≤30.00	PASS
		5785	-0.20	≤30.00	PASS
		5825	1.97	≤30.00	PASS
11N40SISO	Ant1	5755	-3.48	≤30.00	PASS
		5795	-1.67	≤30.00	PASS
11AC20SISO	Ant1	5745	-1.29	≤30.00	PASS
		5785	0.56	≤30.00	PASS
		5825	1.14	≤30.00	PASS
11AC40SISO	Ant1	5755	0.88	≤30.00	PASS
		5795	3.51	≤30.00	PASS
11AC80SISO	Ant1	5775	-2.79	≤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 F.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	-39.12	≤3.51	PASS
				5700~5720	-35.06	≤15.40	PASS
				5720~5725	-32.85	≤20.80	PASS
				5760~5650	-39.91	≤-27	PASS
		High	5825	5850~5855	-34.54	≤18.56	PASS
				5855~5875	-37.93	≤11.50	PASS
				5875~5925	-38.23	≤-8.97	PASS
				5925~5935	-38.98	≤-27	PASS
11N20SI SO	Ant1	Low	5745	5650~5700	-38.34	≤-12.66	PASS
				5700~5720	-37.03	≤14.34	PASS
				5720~5725	-34.65	≤19.75	PASS
				5760~5650	-40.19	≤-27	PASS
		High	5825	5850~5855	-33.98	≤17.33	PASS
				5855~5875	-37.38	≤10.48	PASS
				5875~5925	-38.49	≤-2.68	PASS
				5925~5935	-38.88	≤-27	PASS
11N40SI SO	Ant1	Low	5755	5650~5700	-38.86	≤6.26	PASS
				5700~5720	-28.96	≤15.58	PASS
				5720~5725	-26.12	≤26.82	PASS
				5780~5650	-39.48	≤-27	PASS
		High	5795	5850~5855	-34.12	≤17.91	PASS
				5855~5875	-37.61	≤10.73	PASS
				5875~5925	-38.13	≤-12.51	PASS
				5925~5935	-38.85	≤-27	PASS
11AC20S ISO	Ant1	Low	5745	5650~5700	-39.15	≤-13.00	PASS
				5700~5720	-34.49	≤15.50	PASS
				5720~5725	-30.23	≤26.30	PASS
				5760~5650	-40.16	≤-27	PASS
		High	5825	5850~5855	-34.38	≤18.26	PASS
				5855~5875	-37.48	≤10.32	PASS
				5875~5925	-38.34	≤-20.16	PASS
				5925~5935	-38.81	≤-27	PASS
11AC40S ISO	Ant1	Low	5755	5650~5700	-32.48	≤9.96	PASS
				5700~5720	-22.72	≤15.58	PASS
				5720~5725	-20.41	≤26.51	PASS

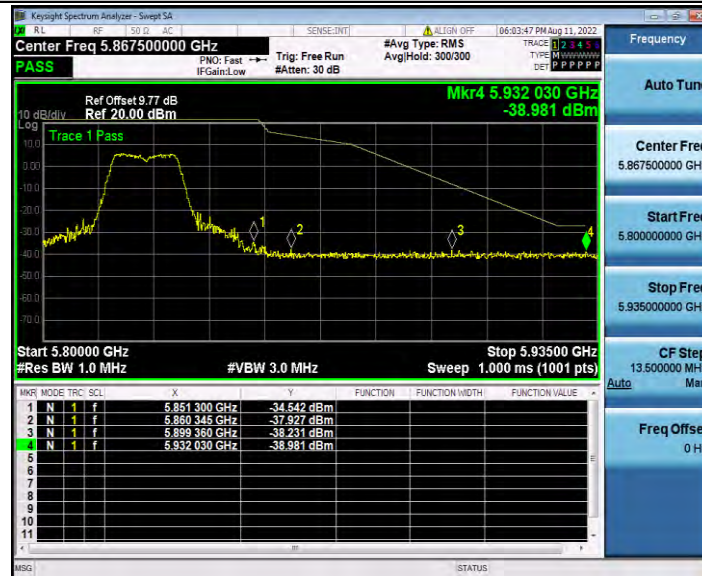
		High	5795	5780~5650	-40.05	≤ -27	PASS
				5850~5855	-25.19	≤ 16.03	PASS
				5855~5875	-30.59	≤ 10.13	PASS
				5875~5925	-34.58	≤ -25.46	PASS
				5925~5935	-38.74	≤ -27	PASS
11AC80S ISO	Ant1	Low	5775	5650~5700	-35.9	≤ 5.43	PASS
				5700~5720	-31.54	≤ 15.56	PASS
				5720~5725	-30.72	≤ 23.42	PASS
				5800~5650	-39.58	≤ -27	PASS
		High	5775	5850~5855	-30.35	≤ 16.64	PASS
				5855~5875	-27.07	≤ 12.72	PASS
				5875~5925	-32.24	≤ -26.68	PASS
				5925~5935	-39.36	≤ -27	PASS

Test Graphs B4

11A_Ant1_Low_5745



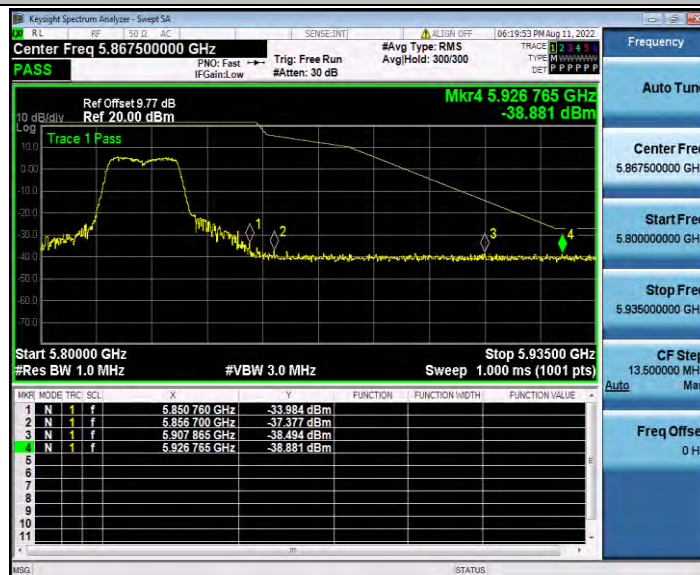
11A_Ant1_High_5825



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 F.7: Conducted Spurious Emission

Test Result

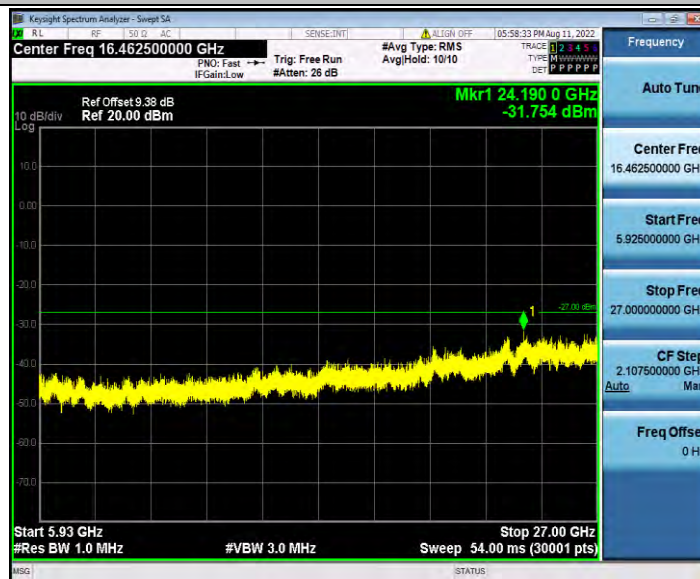
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	3045.69	-42.1	≤-27	PASS
			5925~40000	24190	-31.75	≤-27	PASS
		5785	30~5650	5472.6	-40.19	≤-27	PASS
			5925~40000	24219.51	-31.82	≤-27	PASS
		5825	30~5650	5421.83	-40.76	≤-27	PASS
			5925~40000	24232.85	-32.4	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	3294.47	-40.84	≤-27	PASS
			5925~40000	24237.07	-32.34	≤-27	PASS
		5785	30~5650	5440	-40.96	≤-27	PASS
			5925~40000	24374.06	-32.51	≤-27	PASS
		5825	30~5650	2662.78	-41.01	≤-27	PASS
			5925~40000	24299.59	-31.8	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	5481.96	-40.36	≤-27	PASS
			5925~40000	26688.09	-32.98	≤-27	PASS
		5795	30~5650	4975.79	-41	≤-27	PASS
			5925~40000	24956.43	-32.35	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	4955.37	-40.87	≤-27	PASS
			5925~40000	26608.01	-32.16	≤-27	PASS
		5785	30~5650	4917.9	-40.9	≤-27	PASS
			5925~40000	26526.52	-31.5	≤-27	PASS
		5825	30~5650	5338.46	-41.1	≤-27	PASS
			5925~40000	25169.99	-32.3	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	5419.95	-40.83	≤-27	PASS
			5925~40000	26849.67	-32.13	≤-27	PASS
		5795	30~5650	5446.74	-40.14	≤-27	PASS
			5925~40000	24824.36	-32.41	≤-27	PASS
11AC80SISO	Ant1	5775	30~5650	5382.3	-40.92	≤-27	PASS
			5925~40000	24318.56	-32.13	≤-27	PASS

Test Graphs

11A_Ant1_5745_30~5650



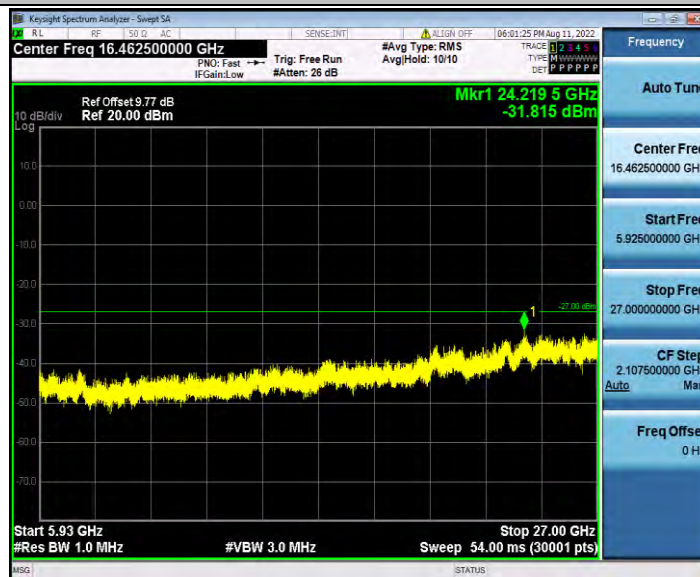
11A_Ant1_5745_5925~40000



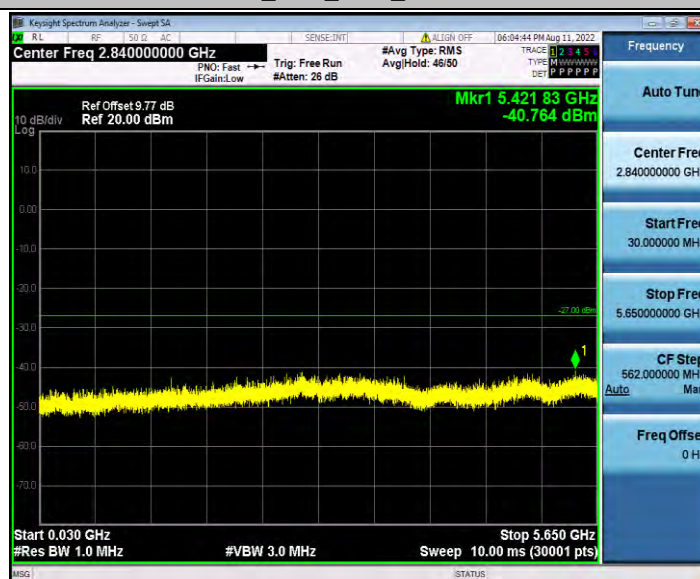
11A_Ant1_5785_30~5650



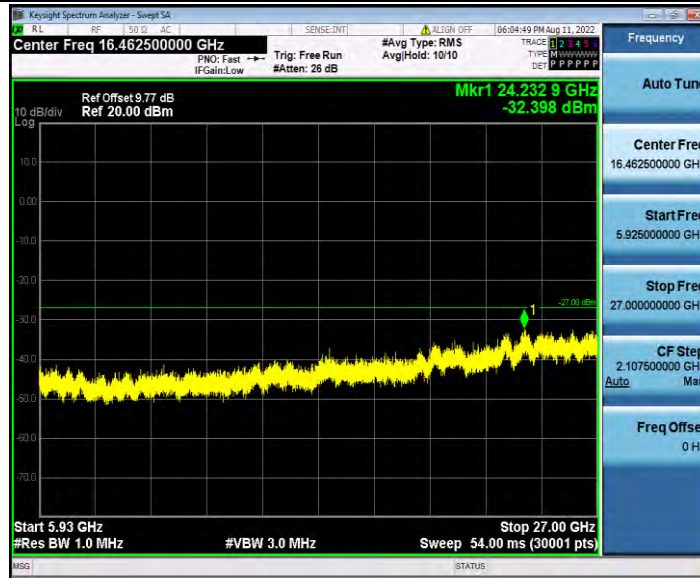
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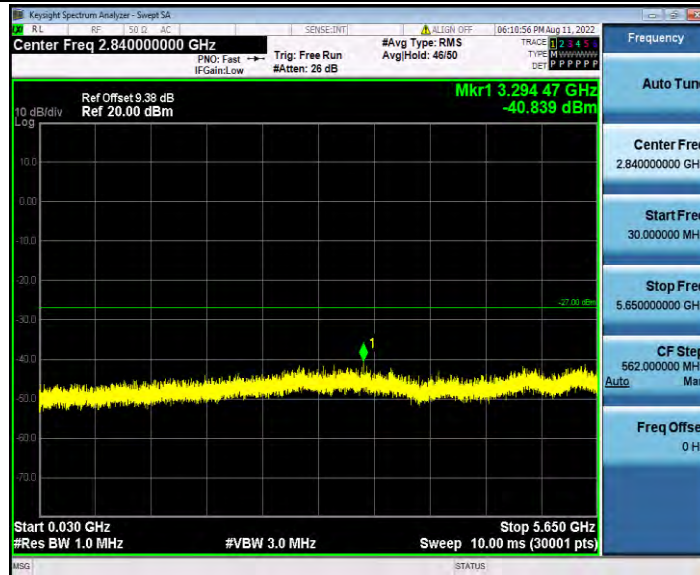
11A_Ant1_5825_30~5650



11A_Ant1_5825_5925~40000



11N20SISO_Ant1_5745_30~5650



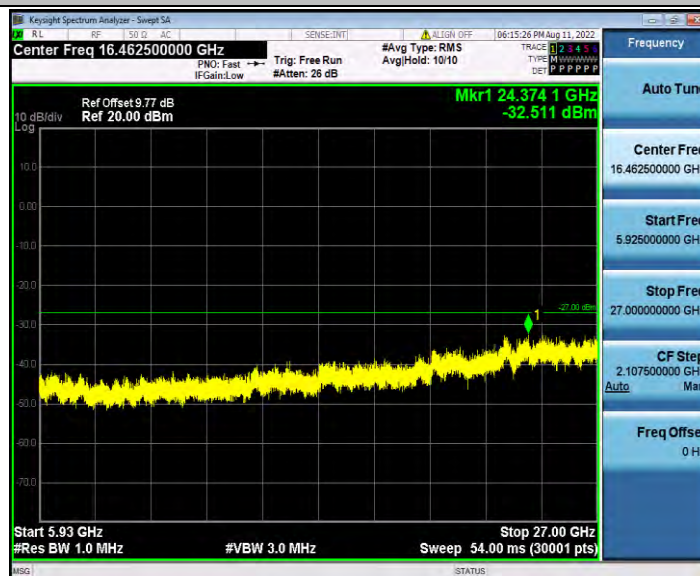
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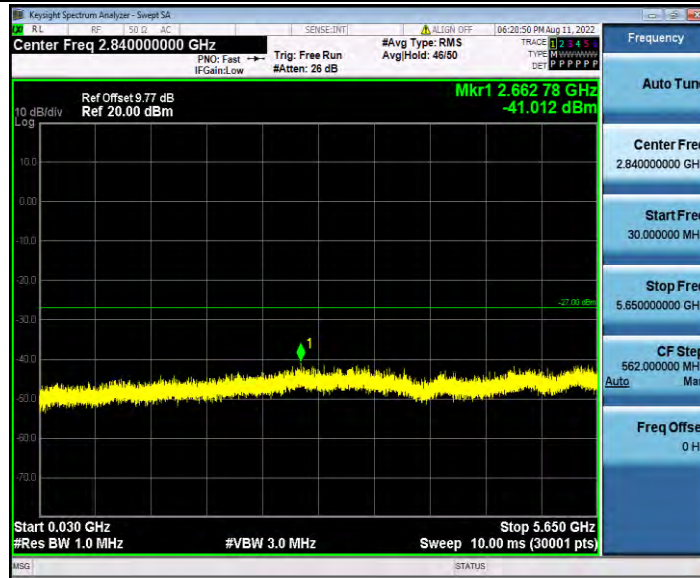
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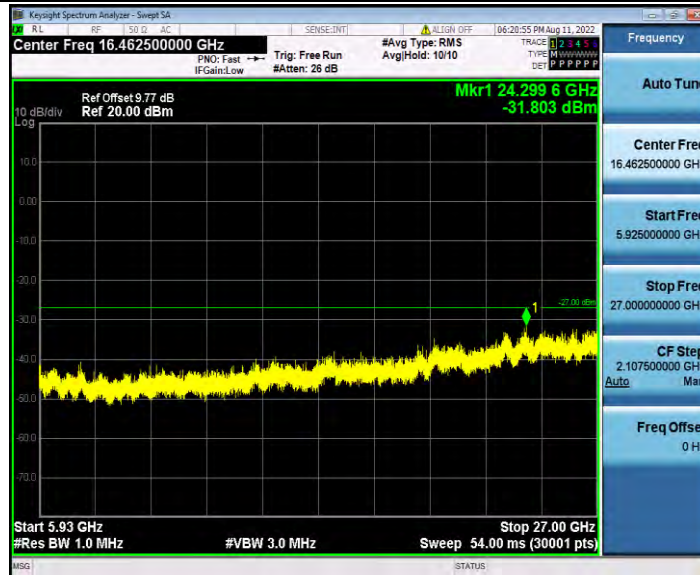
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11N20SISO_Ant1_5825_30~5650



11N20SISO_Ant1_5825_5925~40000



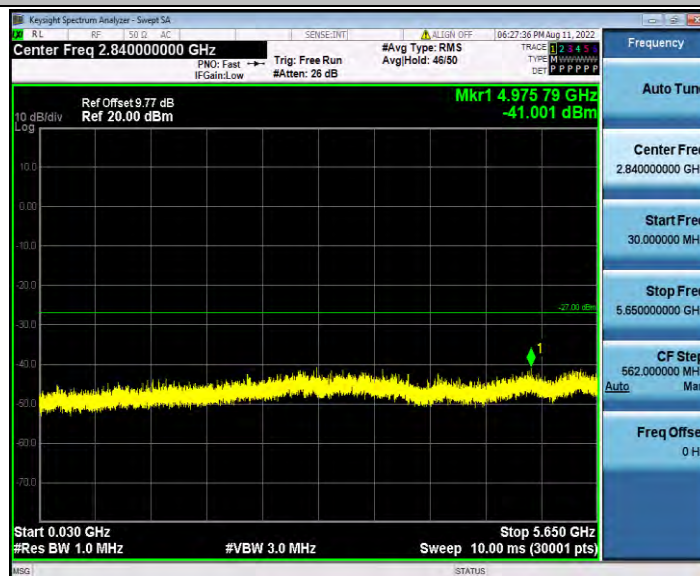
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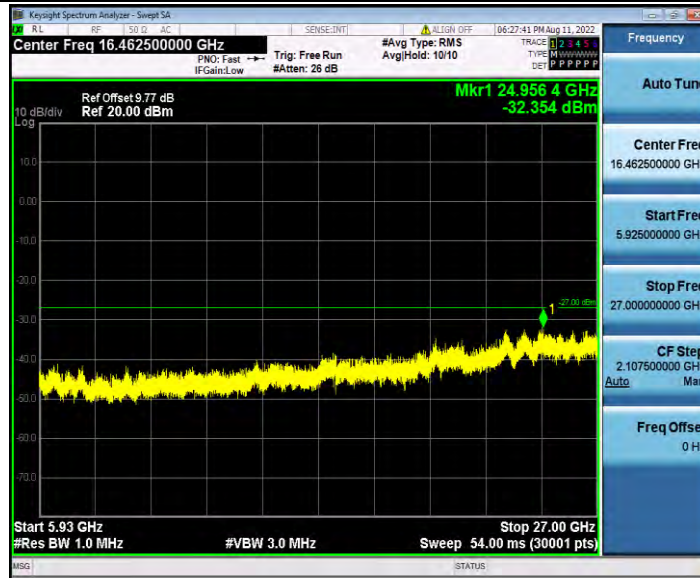
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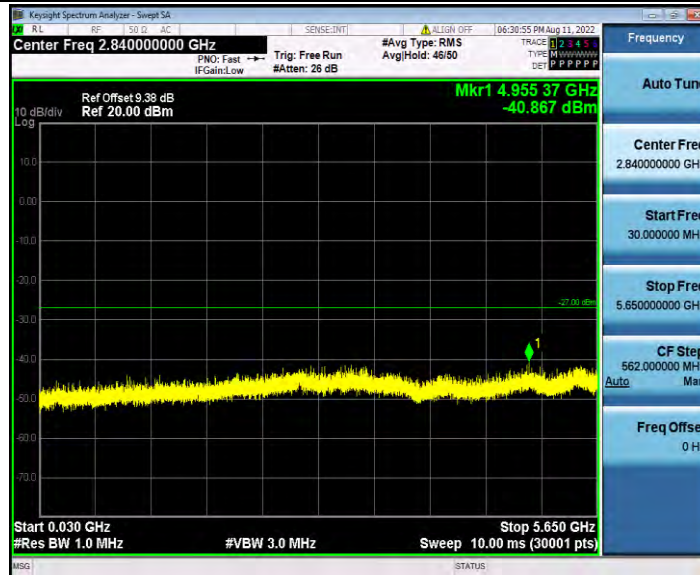
11N40SISO_Ant1_5795_30~5650



11N40SISO_Ant1_5795_5925~40000



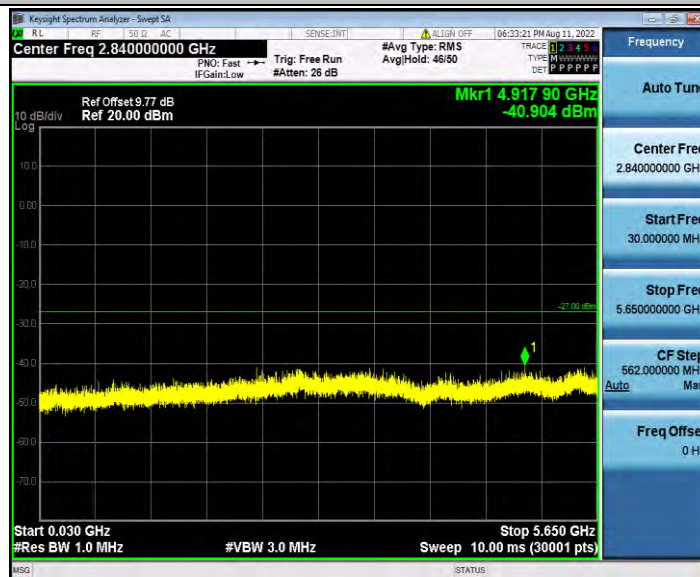
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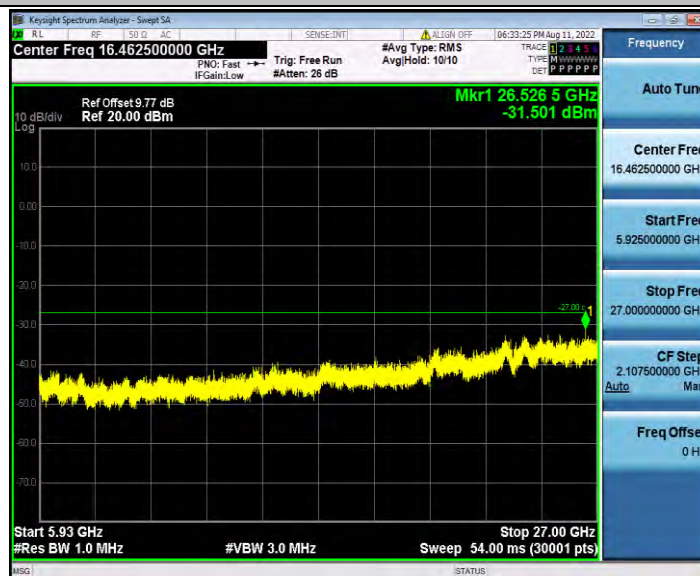
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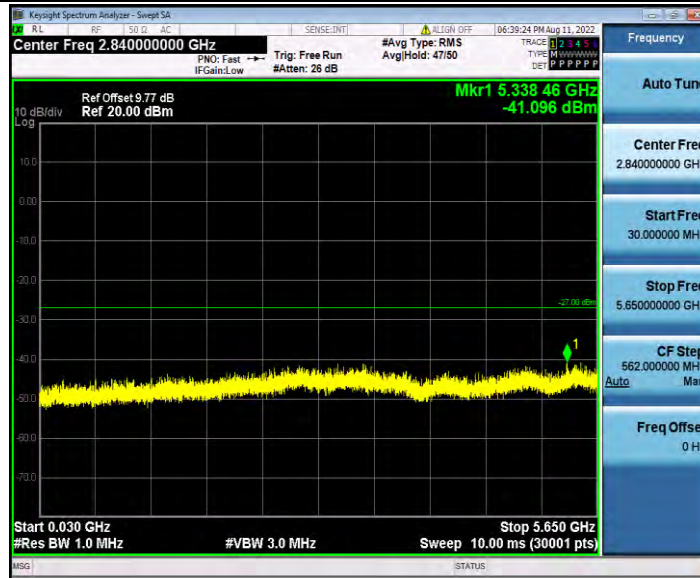
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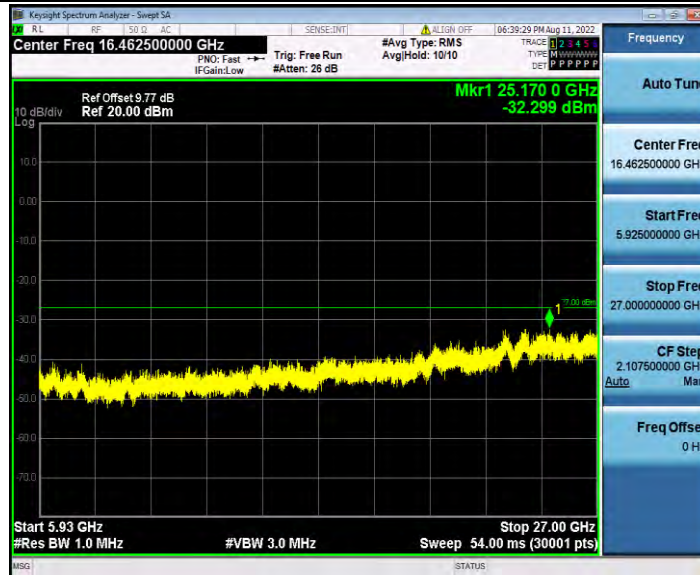
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11AC20SISO_Ant1_5825_30~5650



11AC20SISO_Ant1_5825_5925~40000



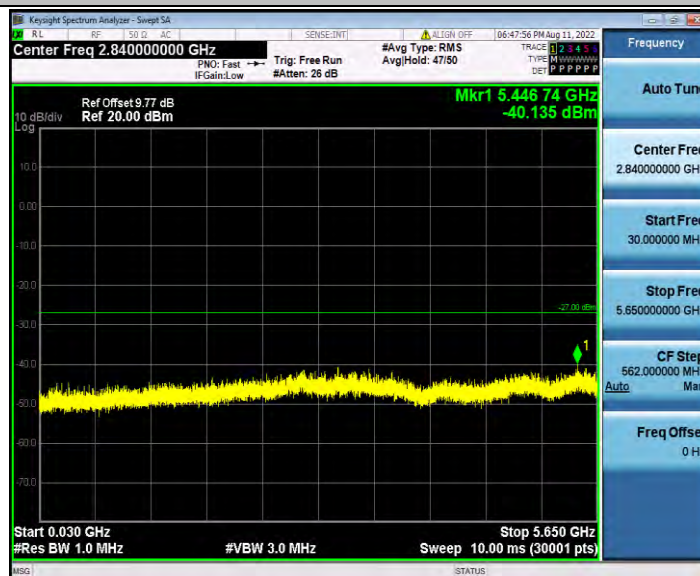
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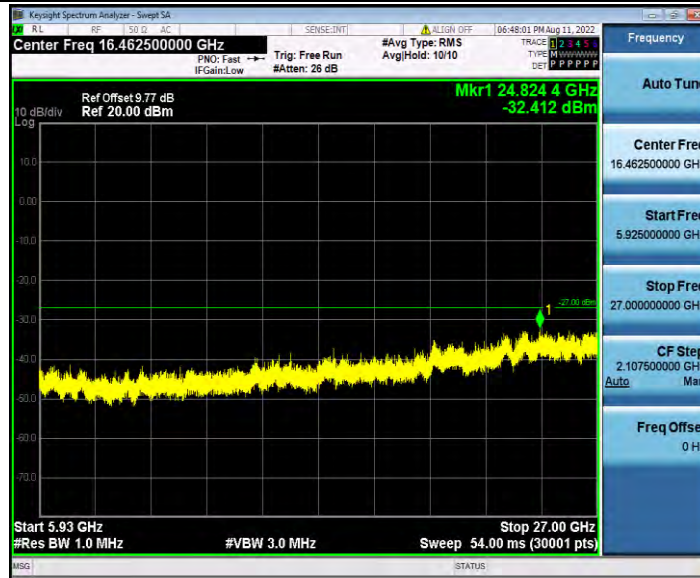
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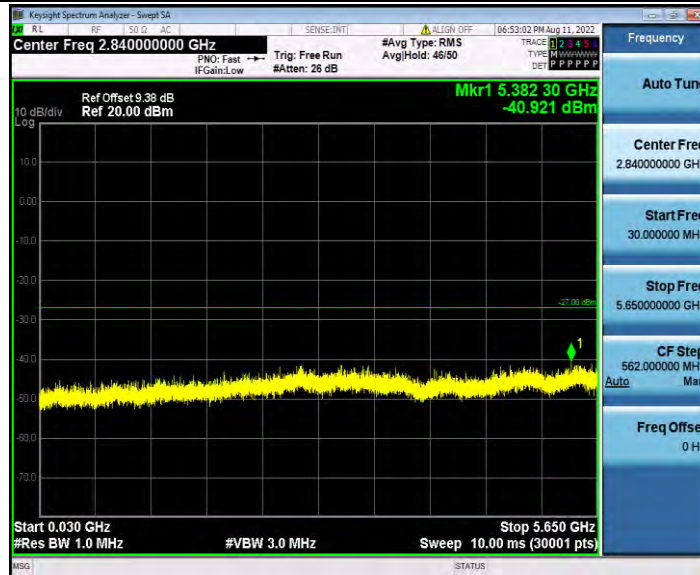
11AC40SISO_Ant1_5795_30~5650



11AC40SISO_Ant1_5795_5925~40000



11AC80SISO_Ant1_5775_30~5650



11AC80SISO_Ant1_5775_5925~40000

