

Case No. : <u>GTS20220723004-1-36</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022.9.3</u>	Test Engineer: <u>Jenny zeng</u>

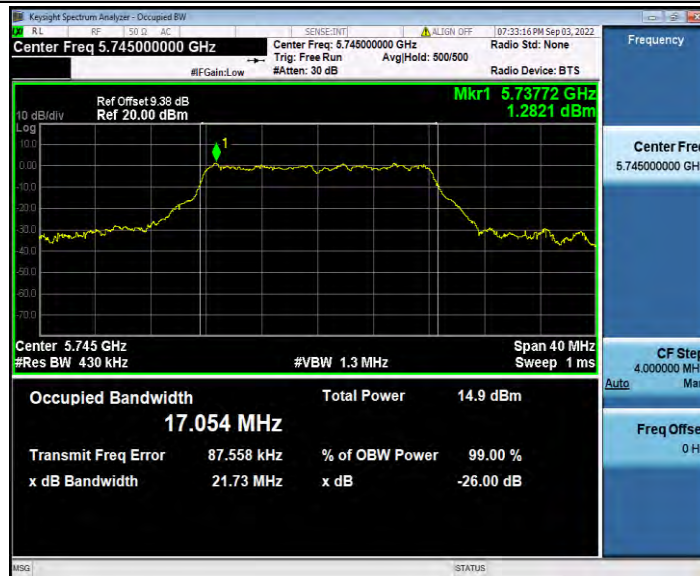
Appendix G.1: Occupied channel bandwidth

Test Result B4

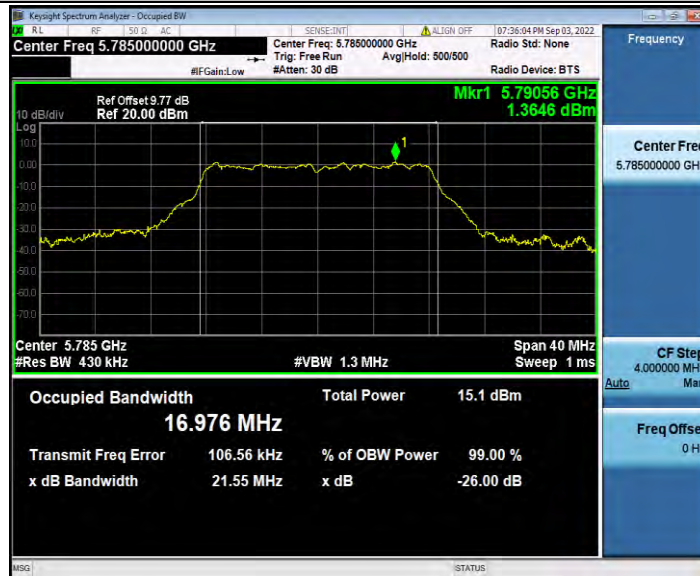
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.054	5736.561	5753.615	---	---
		5785	16.976	5776.619	5793.595	---	---
		5825	16.949	5816.644	5833.593	---	---
11N20SISO	Ant1	5745	18.336	5735.906	5754.242	---	---
		5785	18.393	5775.868	5794.261	---	---
		5825	18.306	5815.937	5834.243	---	---
11N40SISO	Ant1	5755	36.833	5736.651	5773.484	---	---
		5795	36.795	5776.749	5813.544	---	---
11AC20SISO	Ant1	5745	18.416	5735.787	5754.203	---	---
		5785	18.393	5775.835	5794.228	---	---
		5825	18.399	5815.858	5834.257	---	---
11AC40SISO	Ant1	5755	37.043	5736.452	5773.495	---	---
		5795	37.056	5776.460	5813.516	---	---
11AC80SISO	Ant1	5775	76.082	5737.236	5813.318	---	---

Test Graphs

11A_Ant1_5745



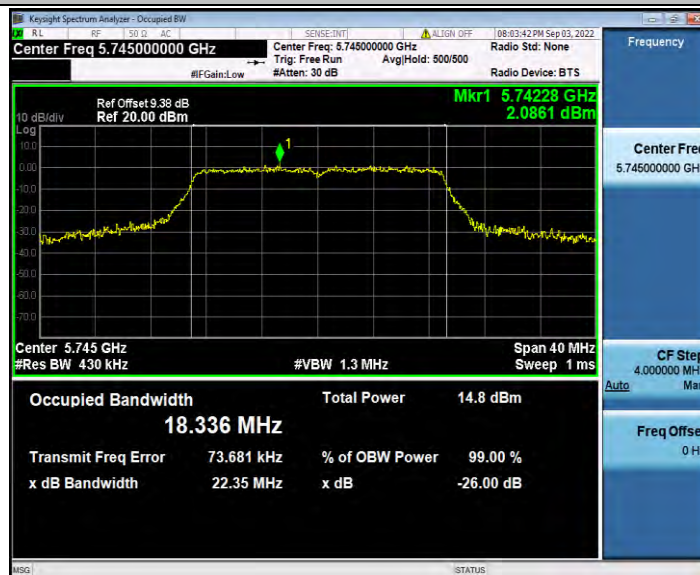
11A_Ant1_5785



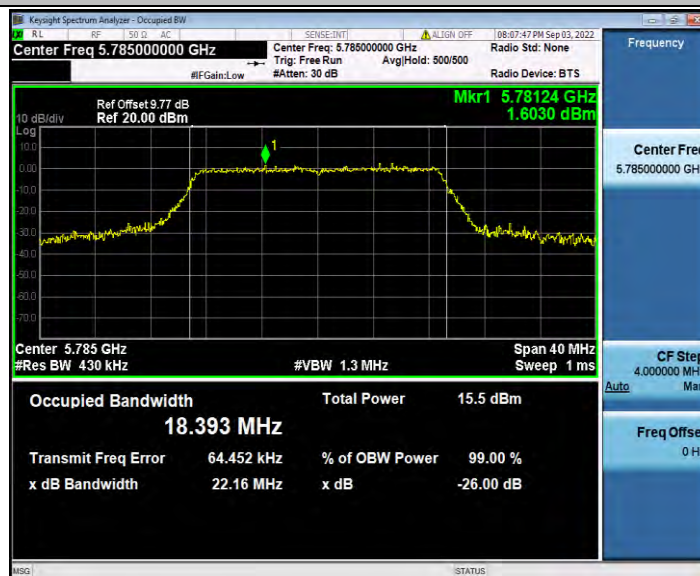
11A_Ant1_5825



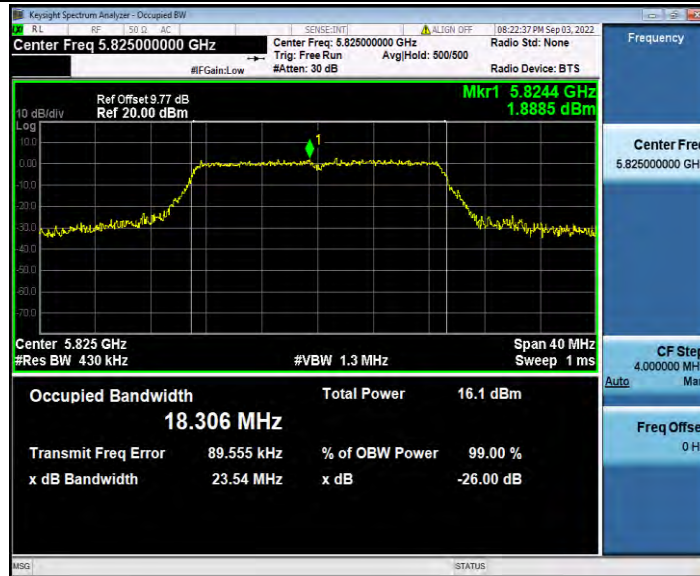
11N20SISO_Ant1_5745



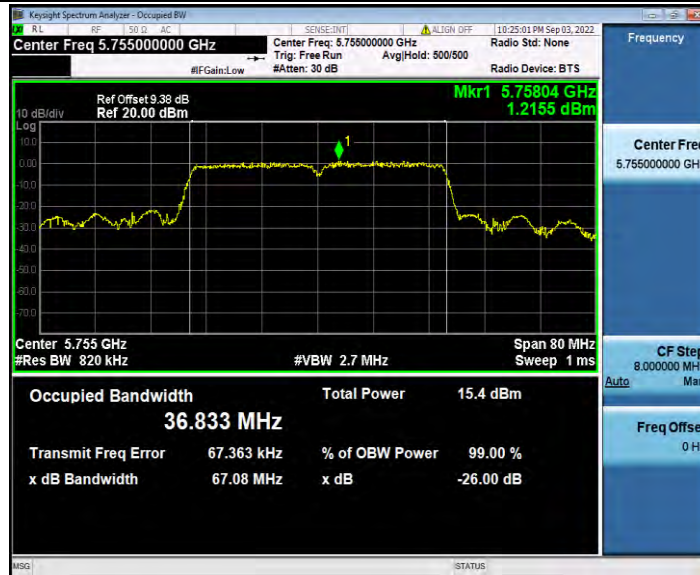
11N20SISO_Ant1_5785



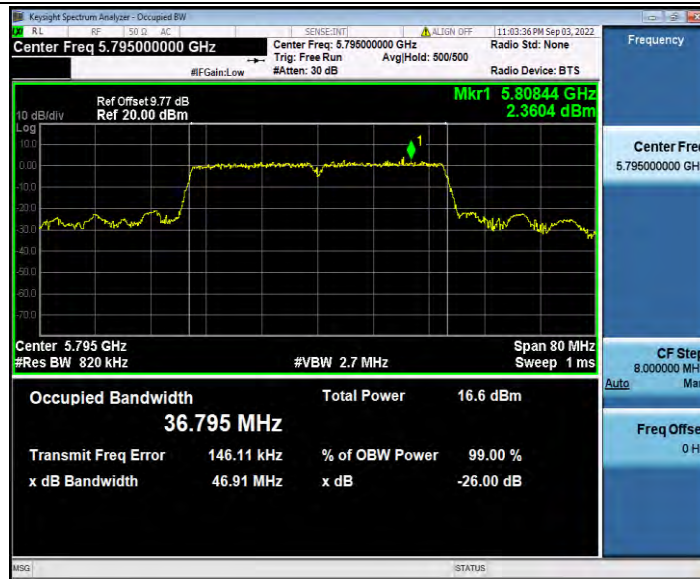
11N20SISO_Ant1_5825



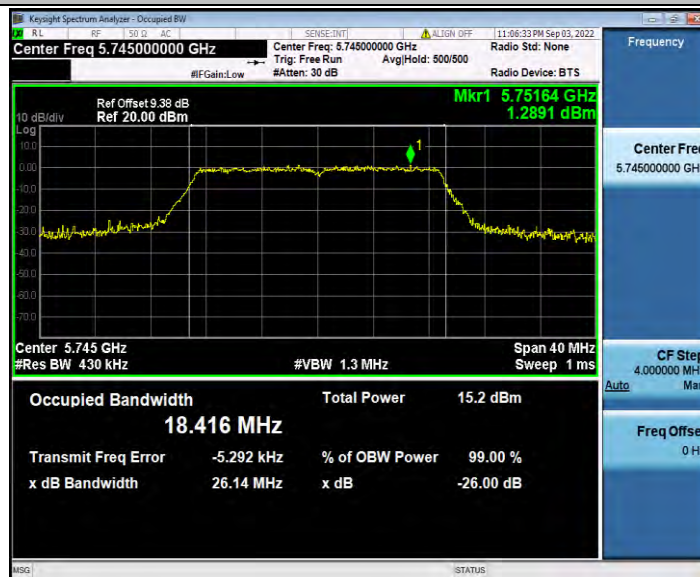
11N40SISO_Ant1_5755



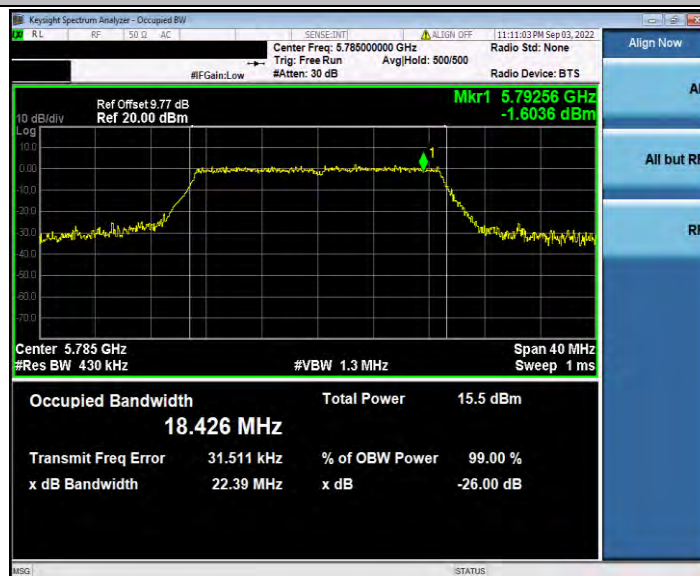
11N40SISO_Ant1_5795



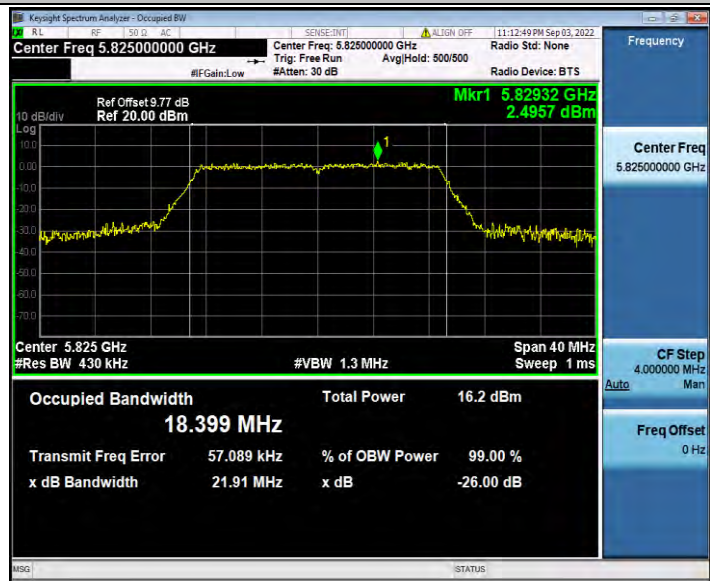
11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



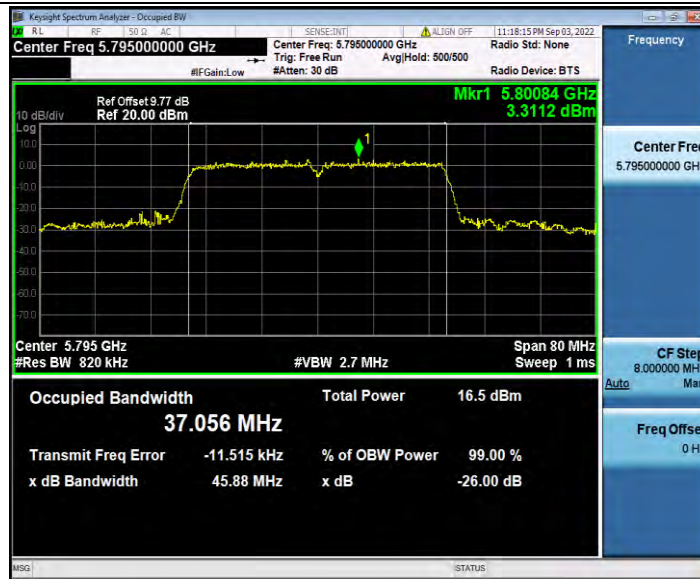
11AC20SISO_Ant1_5825



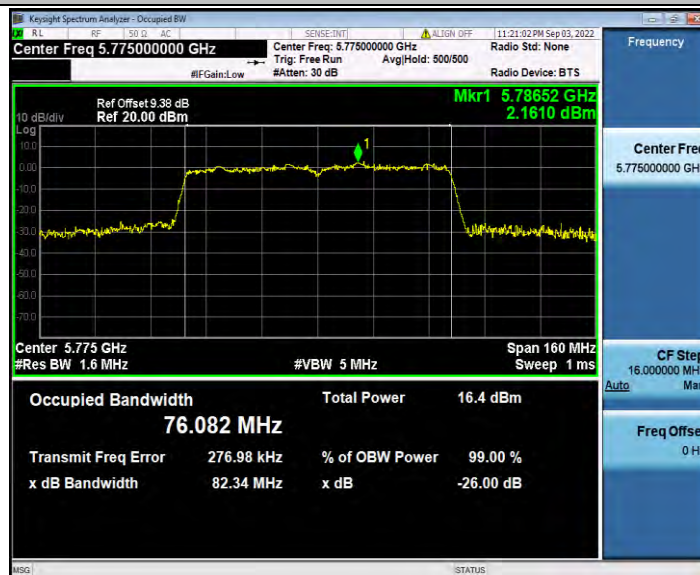
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



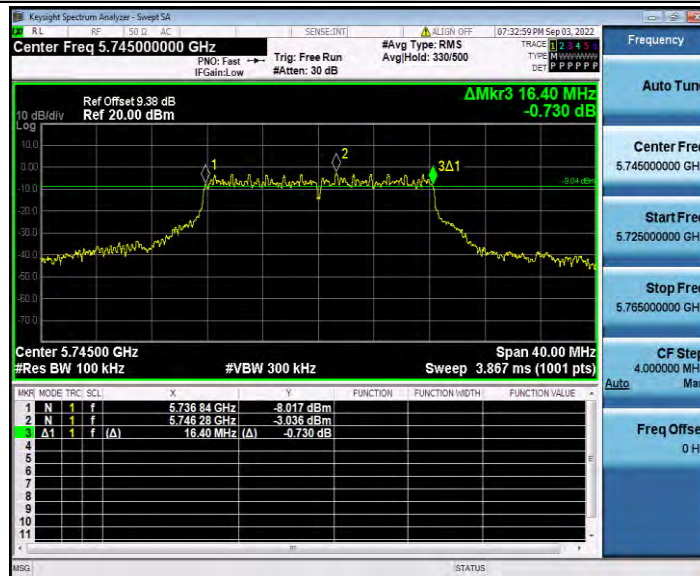
Appendix G.2: Min emission bandwidth

Test Result B4

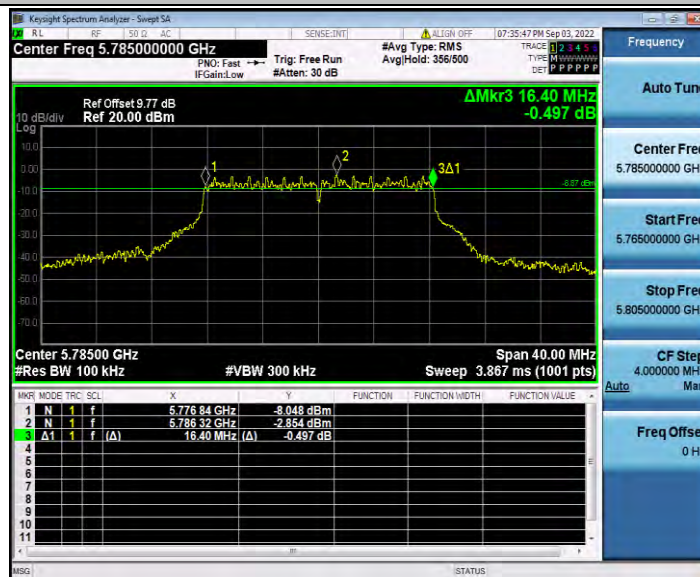
TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.400	5736.840	5753.240	0.5	PASS
		5785	16.400	5776.840	5793.240	0.5	PASS
		5825	16.320	5816.840	5833.160	0.5	PASS
11N20SISO	Ant1	5745	17.720	5736.160	5753.880	0.5	PASS
		5785	17.680	5776.200	5793.880	0.5	PASS
		5825	17.720	5816.200	5833.920	0.5	PASS
11N40SISO	Ant1	5755	36.320	5736.920	5773.240	0.5	PASS
		5795	36.400	5776.840	5813.240	0.5	PASS
11AC20SISO	Ant1	5745	17.680	5736.200	5753.880	0.5	PASS
		5785	17.640	5776.240	5793.880	0.5	PASS
		5825	17.680	5816.200	5833.880	0.5	PASS
11AC40SISO	Ant1	5755	36.400	5736.840	5773.240	0.5	PASS
		5795	36.400	5776.840	5813.240	0.5	PASS
11AC80SISO	Ant1	5775	75.840	5737.400	5813.240	0.5	PASS

Test Graphs B4

11A_Ant1_5745



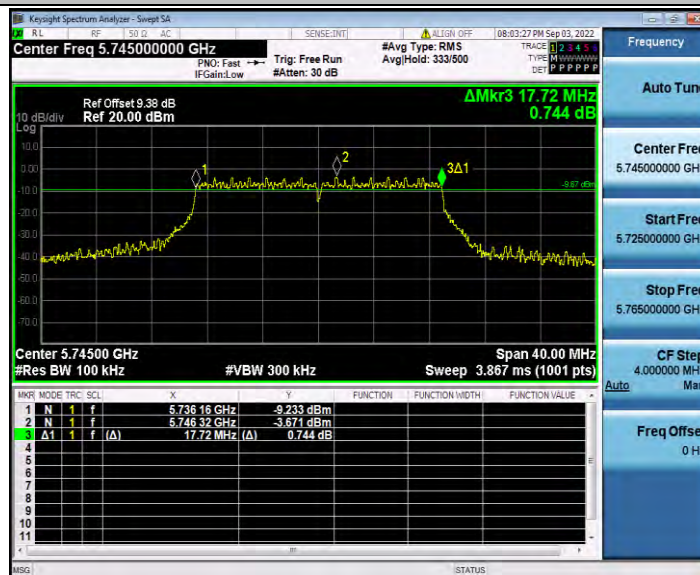
11A_Ant1_5785



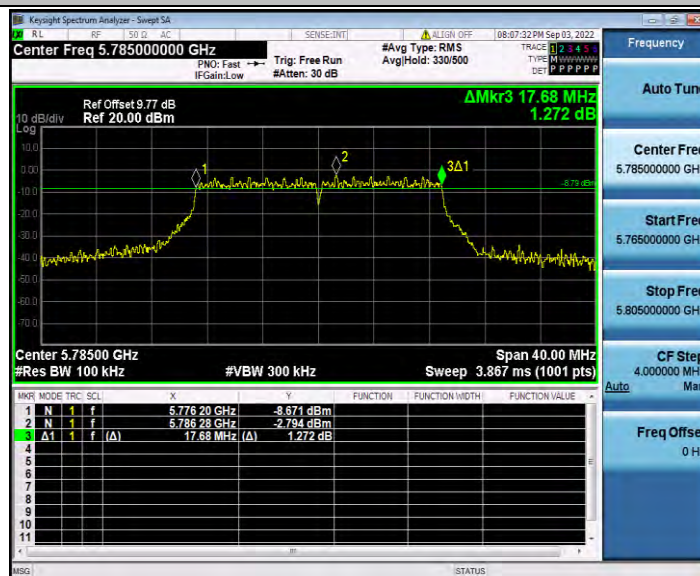
11A_Ant1_5825



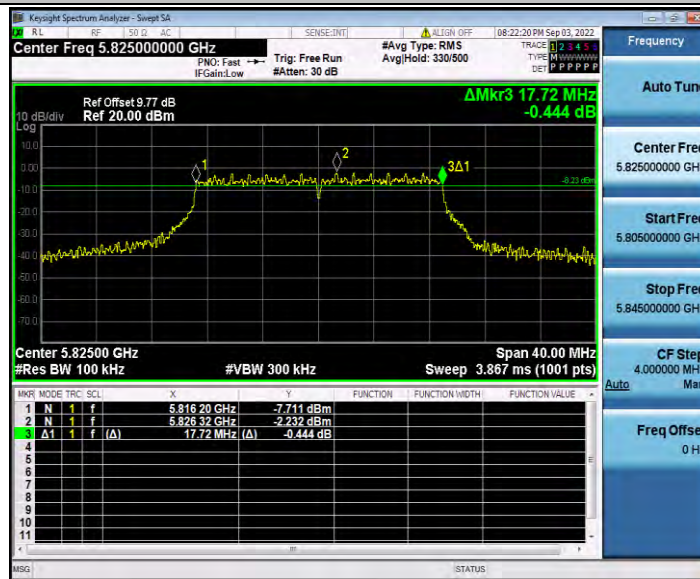
11N20SISO_Ant1_5745



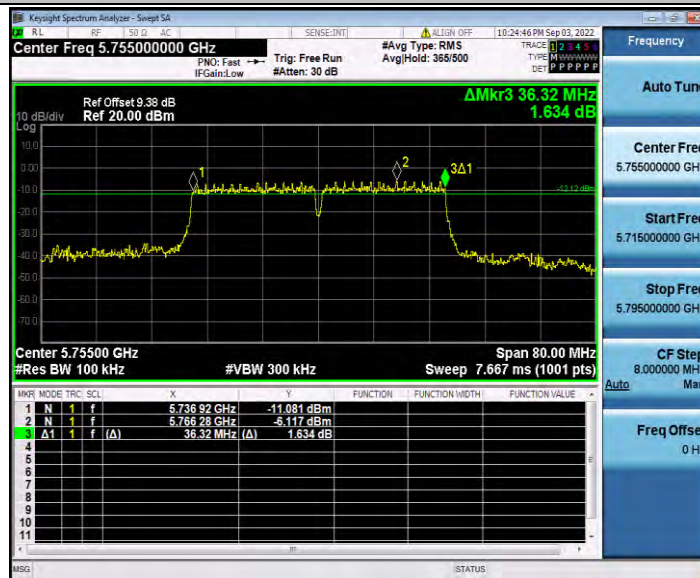
11N20SISO_Ant1_5785



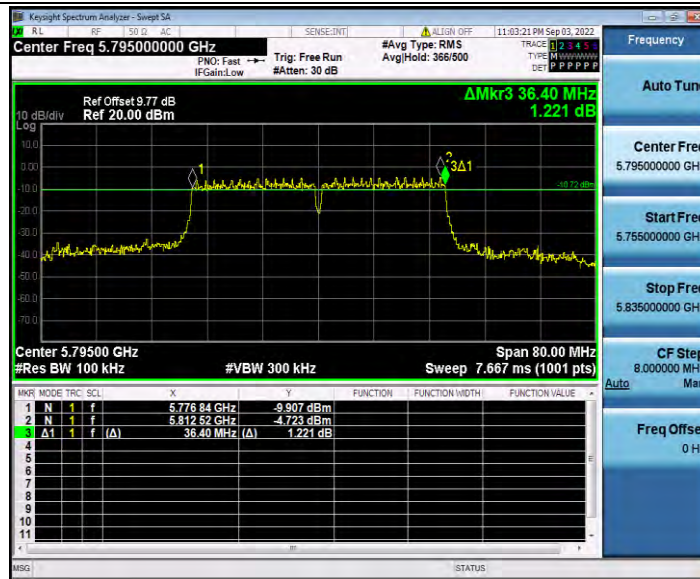
11N20SISO_Ant1_5825



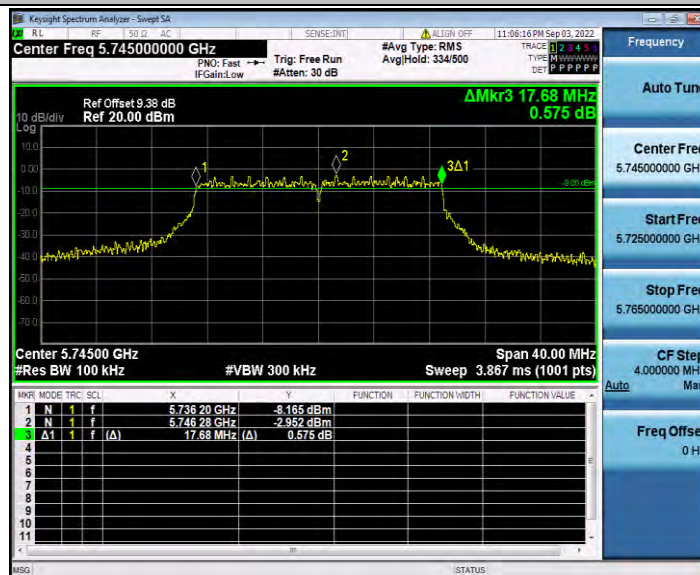
11N40SISO_Ant1_5755



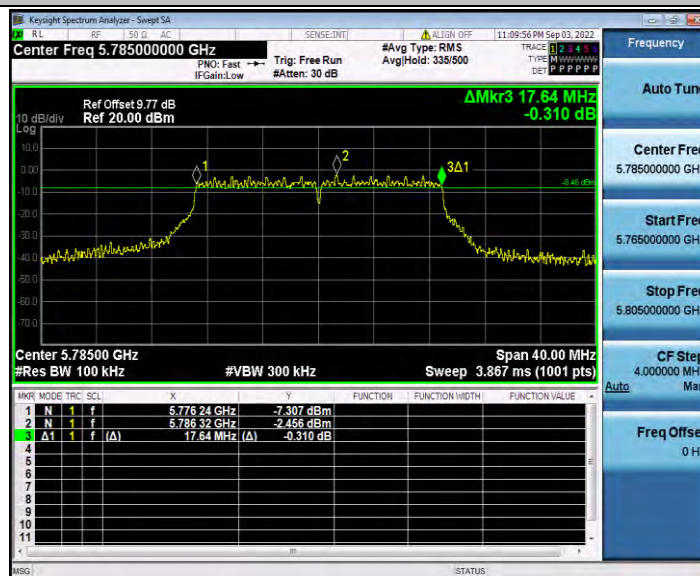
11N40SISO_Ant1_5795



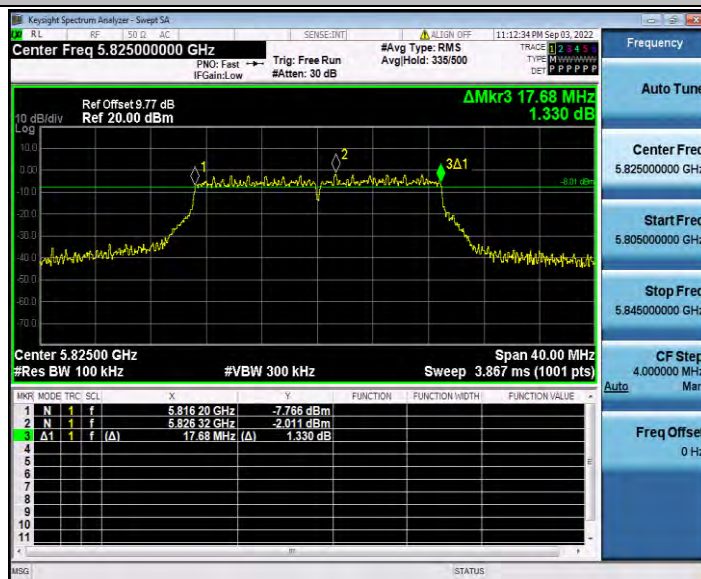
11AC20SISO_Ant1_5745



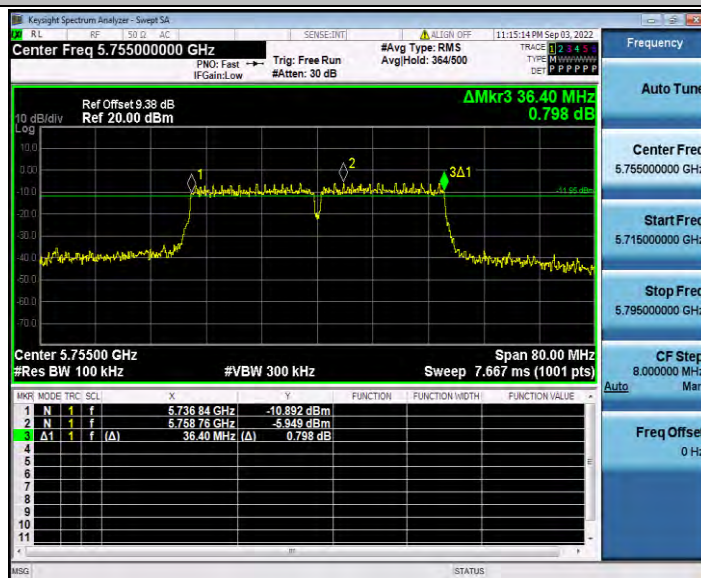
11AC20SISO_Ant1_5785



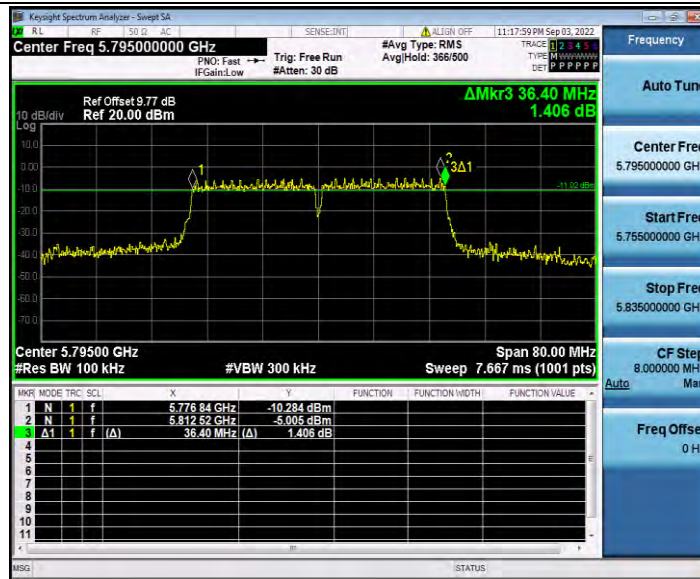
11AC20SISO_Ant1_5825



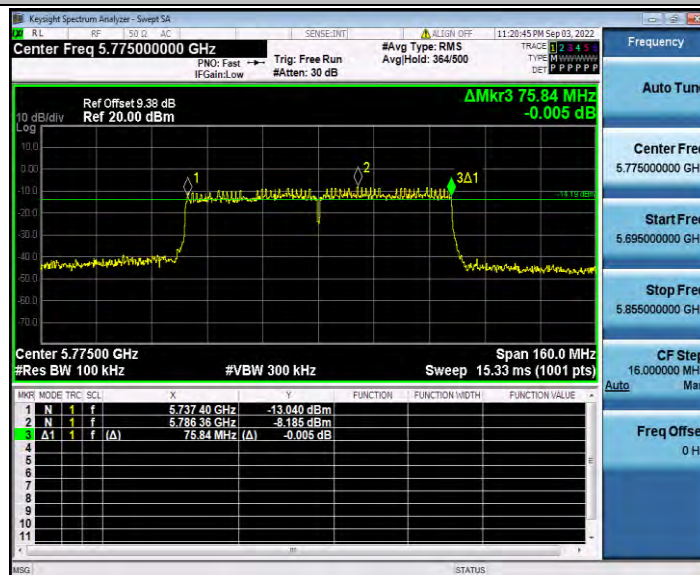
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



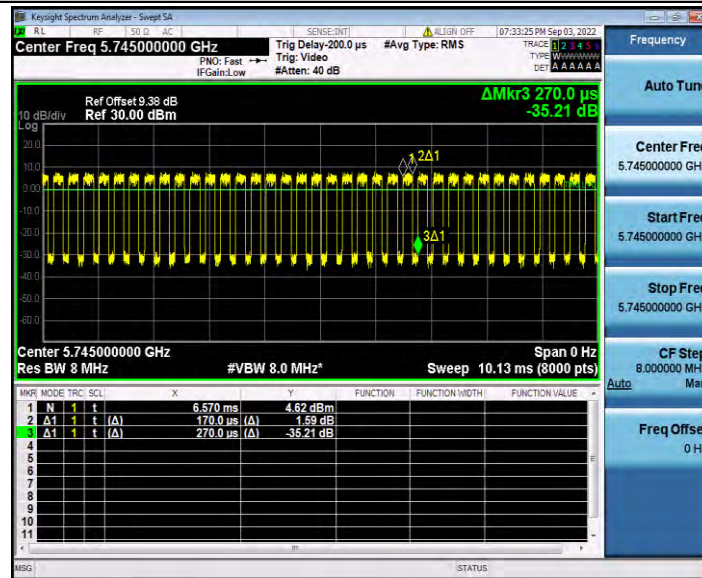
Appendix G.3: Duty Cycle

Test Result

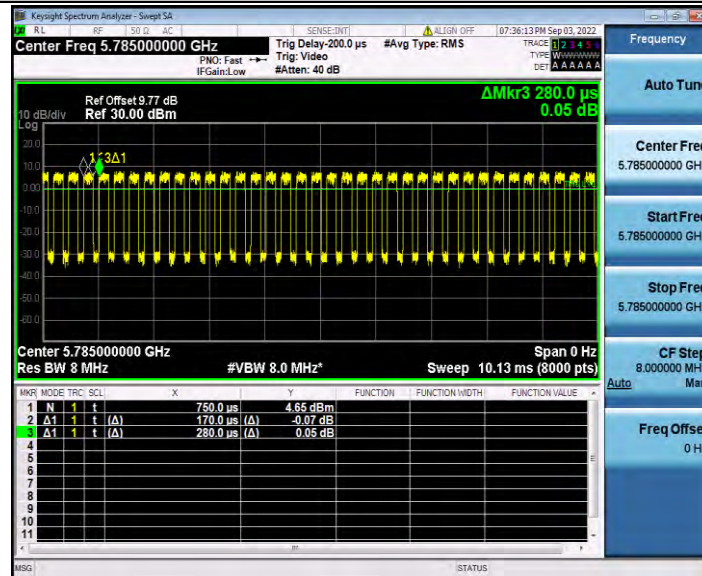
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5745	0.17	0.27	62.96
		5785	0.17	0.28	60.71
		5825	0.18	0.28	64.29
11N20SISO	Ant1	5745	0.16	0.26	61.54
		5785	0.16	0.26	61.54
		5825	0.17	0.27	62.96
11N40SISO	Ant1	5755	0.10	0.20	50.00
		5795	0.10	0.21	47.62
11AC20SISO	Ant1	5745	0.15	0.25	60.00
		5785	0.15	0.25	60.00
		5825	0.14	0.24	58.33
11AC40SISO	Ant1	5755	0.09	0.19	47.37
		5795	0.08	0.19	42.11
11AC80SISO	Ant1	5775	0.06	0.16	37.50

Test Graphs

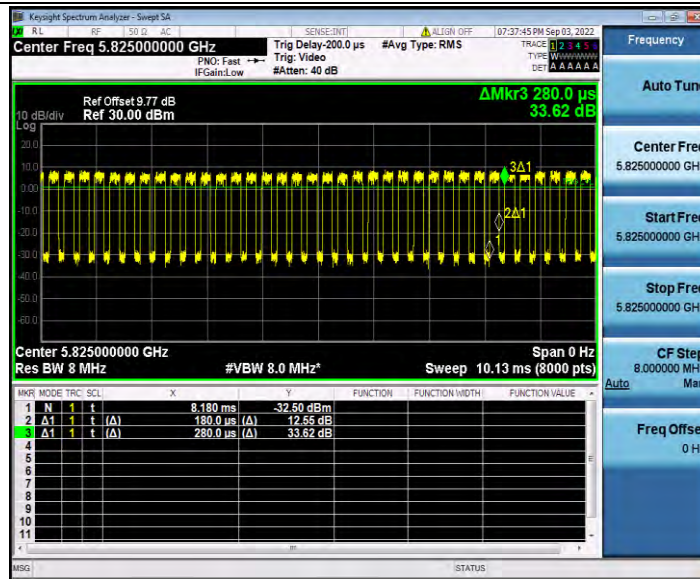
11A_Ant1_5745



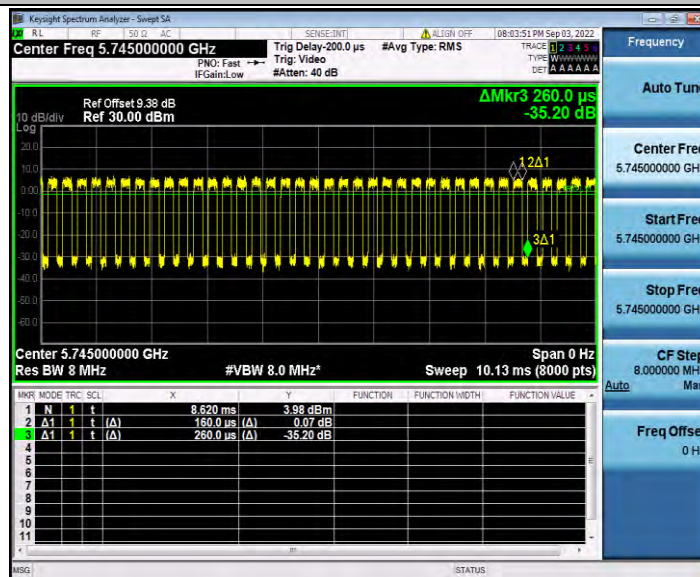
11A_Ant1_5785



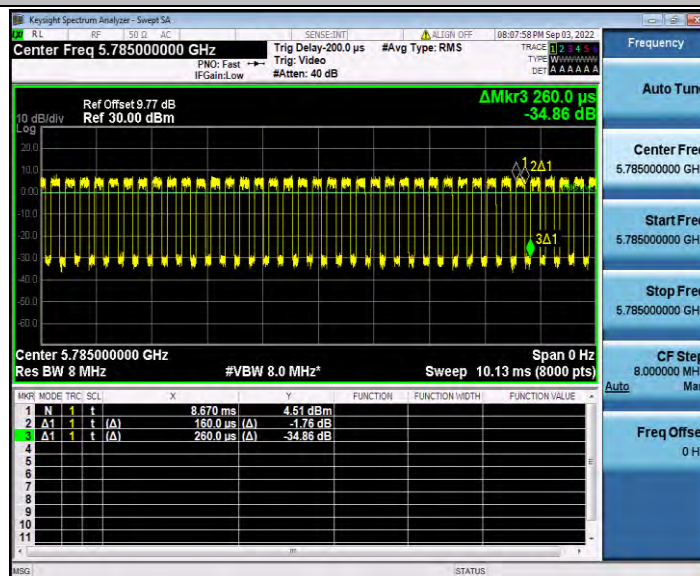
11A_Ant1_5825



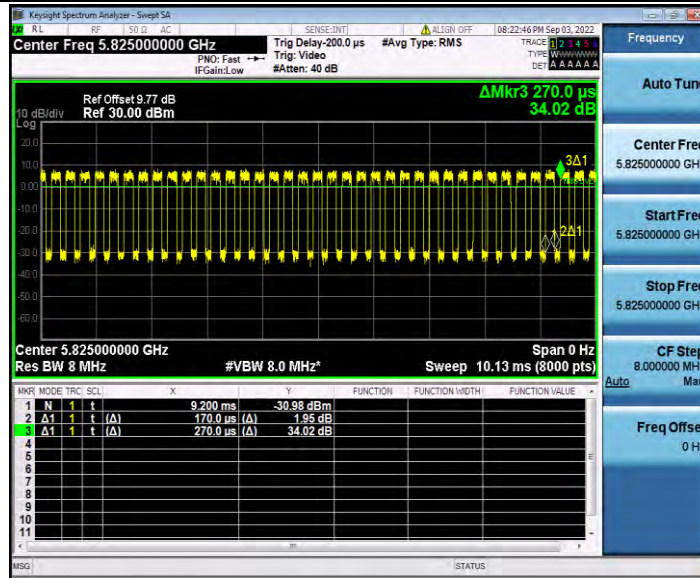
11N20SISO_Ant1_5745



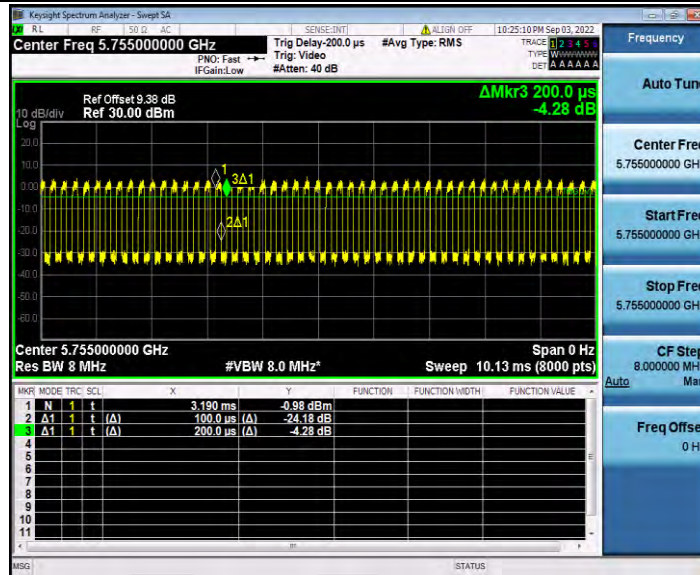
11N20SISO_Ant1_5785



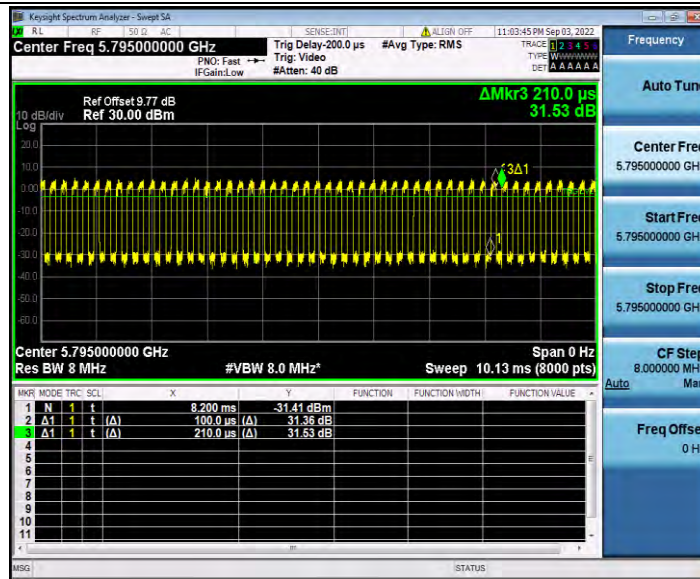
11N20SISO_Ant1_5825



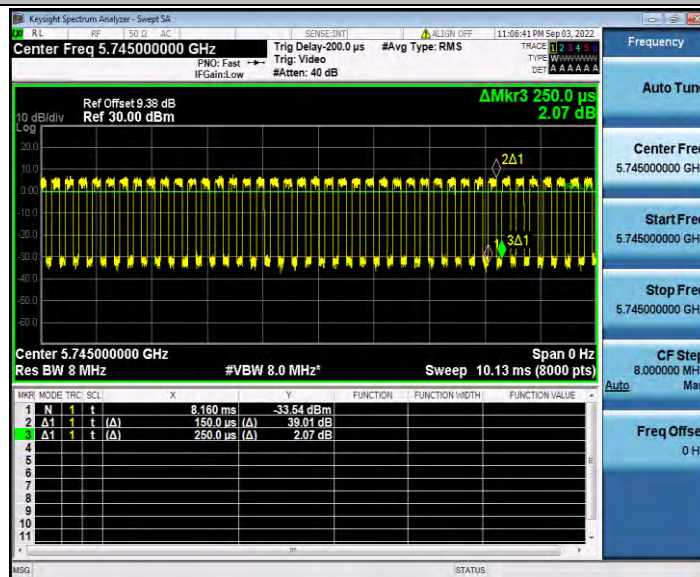
11N40SISO_Ant1_5755



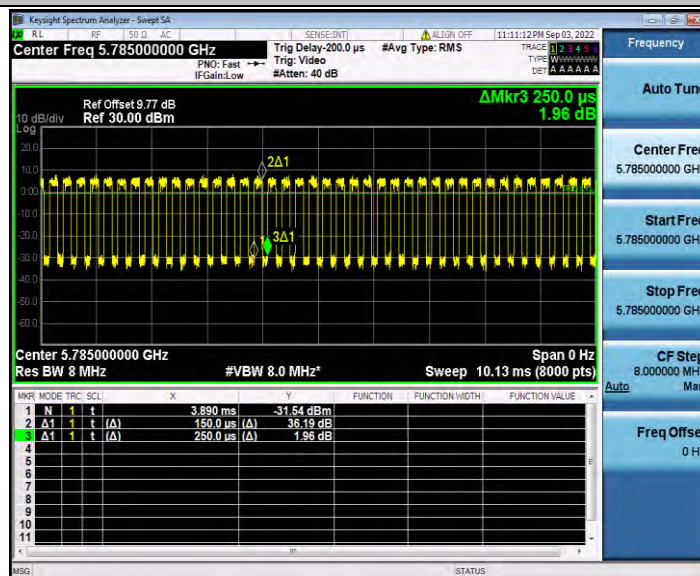
11N40SISO_Ant1_5795



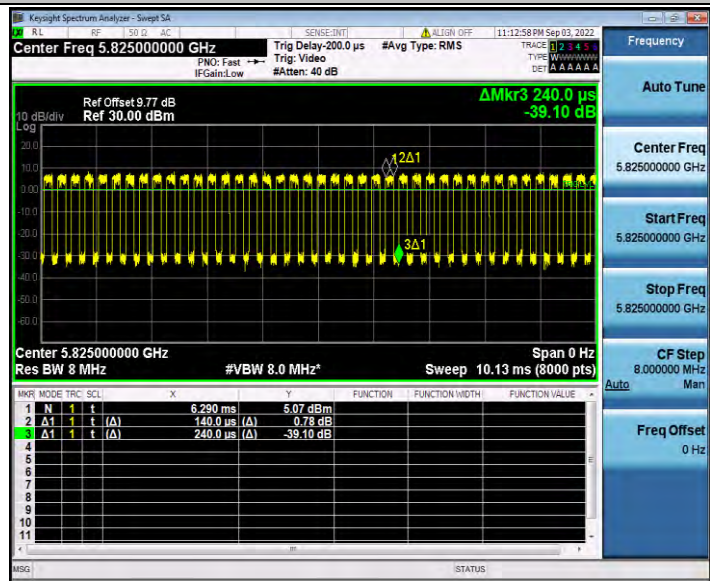
11AC20SISO_Ant1_5745



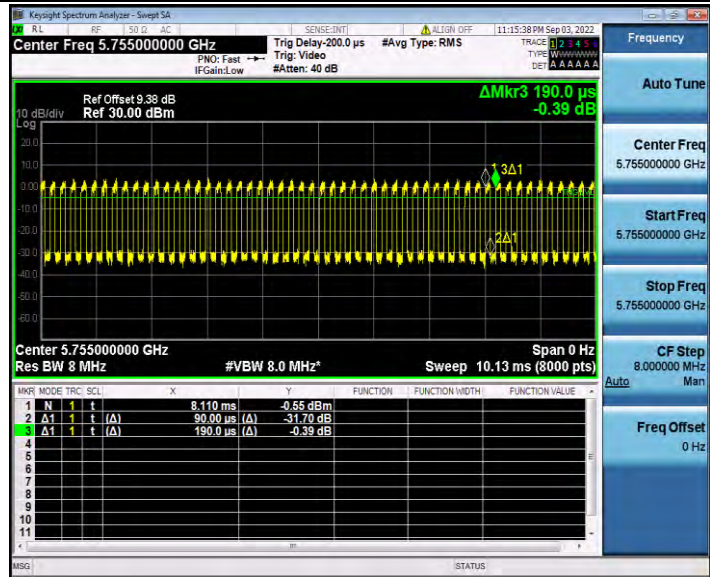
11AC20SISO_Ant1_5785



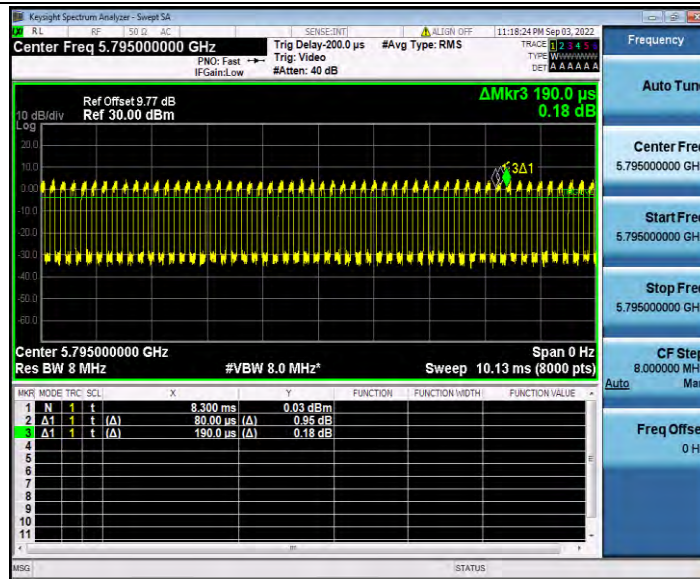
11AC20SISO_Ant1_5825



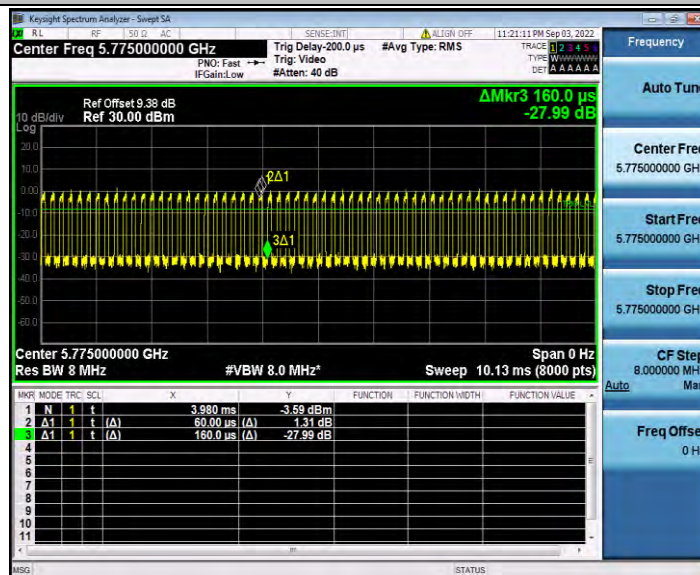
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



Appendix G.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[MHz]	Channel Powert [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	6.22	62.96	2.01	8.23	≤30.00	PASS
		5785	6.36	60.71	2.17	8.53	≤30.00	PASS
		5825	7.02	64.29	1.92	8.94	≤30.00	PASS
11N20SISO	Ant1	5745	5.53	61.54	2.11	7.64	≤30.00	PASS
		5785	6.33	61.54	2.11	8.44	≤30.00	PASS
		5825	6.89	62.96	2.01	8.90	≤30.00	PASS
11N40SISO	Ant1	5755	4.78	50.00	3.01	7.79	≤30.00	PASS
		5795	6.08	47.62	3.22	9.30	≤30.00	PASS
11AC20SISO	Ant1	5745	5.87	60.00	2.22	8.09	≤30.00	PASS
		5785	6.04	60.00	2.22	8.26	≤30.00	PASS
		5825	6.79	58.33	2.34	9.13	≤30.00	PASS
11AC40SISO	Ant1	5755	4.49	47.37	3.24	7.73	≤30.00	PASS
		5795	5.56	42.11	3.76	9.32	≤30.00	PASS
11AC80SISO	Ant1	5775	4.16	37.50	4.26	8.42	≤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	Ant1	5745	2.64	≤30.00	PASS
		5785	3.21	≤30.00	PASS
		5825	3.59	≤30.00	PASS
11N20SISO	Ant1	5745	3.57	≤30.00	PASS
		5785	3.24	≤30.00	PASS
		5825	4.25	≤30.00	PASS
11N40SISO	Ant1	5755	0.5	≤30.00	PASS
		5795	2.21	≤30.00	PASS
11AC20SISO	Ant1	5745	3.78	≤30.00	PASS
		5785	3.89	≤30.00	PASS
		5825	3.73	≤30.00	PASS
11AC40SISO	Ant1	5755	2.05	≤30.00	PASS
		5795	1.80	≤30.00	PASS
11AC80SISO	Ant1	5775	-1.55	≤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 G.6: Band edge measurements

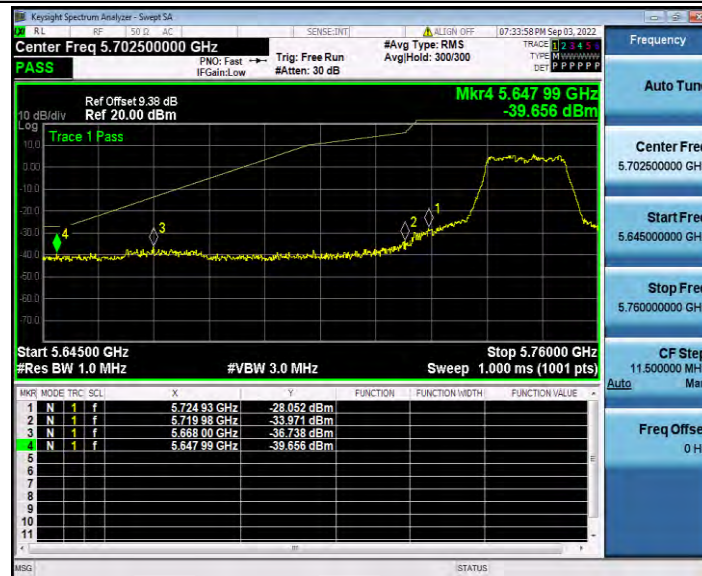
Test Result B4

TestMode	Antenna	ChName	Frequency[MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-36.74	≤-13.68	PASS
				5700~5720	-33.97	≤15.59	PASS
				5720~5725	-28.05	≤26.83	PASS
				5760~5650	-39.66	≤-27	PASS
		High	5825	5850~5855	-34.04	≤17.33	PASS
				5855~5875	-36.71	≤10.21	PASS
				5875~5925	-34.91	≤-4.88	PASS
				5925~5935	-38.1	≤-27	PASS
11N20SI SO	Ant1	Low	5745	5650~5700	-37.81	≤-12.49	PASS
				5700~5720	-30.02	≤14.85	PASS
				5720~5725	-27.32	≤22.11	PASS
				5760~5650	-39.85	≤-27	PASS
		High	5825	5850~5855	-29.03	≤16.10	PASS
				5855~5875	-32.46	≤10.40	PASS
				5875~5925	-35.23	≤-10.37	PASS
				5925~5935	-38.66	≤-27	PASS
11N40SI SO	Ant1	Low	5755	5650~5700	-32.75	≤7.66	PASS
				5700~5720	-23.57	≤14.90	PASS
				5720~5725	-21.87	≤22.20	PASS
				5780~5650	-38.85	≤-27	PASS
		High	5795	5850~5855	-32.53	≤21.30	PASS
				5855~5875	-33.71	≤10.69	PASS
				5875~5925	-34.79	≤-18.99	PASS
				5925~5935	-37.57	≤-27	PASS
11AC20S ISO	Ant1	Low	5745	5650~5700	-37.95	≤-14.53	PASS
				5700~5720	-31.45	≤15.53	PASS
				5720~5725	-26.52	≤18.44	PASS
				5760~5650	-40.84	≤-27	PASS
		High	5825	5850~5855	-28.79	≤18.56	PASS
				5855~5875	-33.96	≤10.21	PASS
				5875~5925	-35.33	≤-12.17	PASS
				5925~5935	-38.51	≤-27	PASS
11AC40S ISO	Ant1	Low	5755	5650~5700	-35.29	≤8.76	PASS
				5700~5720	-27.4	≤14.79	PASS
				5720~5725	-26.8	≤20.35	PASS

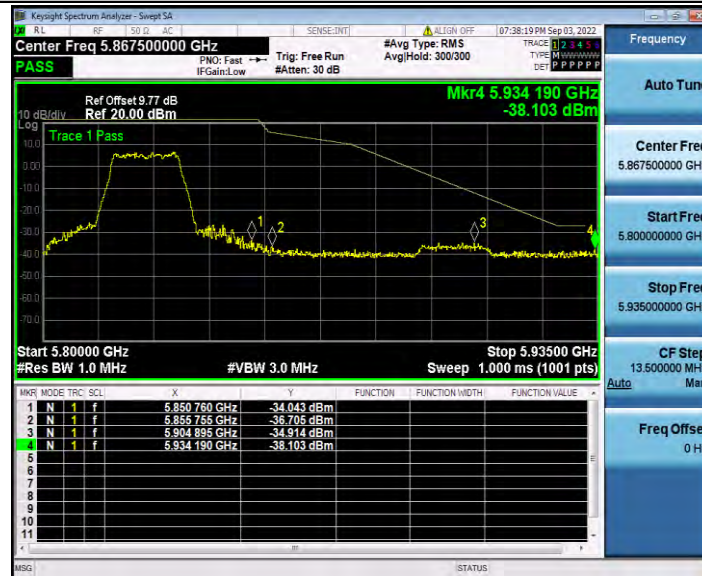
		High	5795	5780~5650	-40.2	≤ -27	PASS
				5850~5855	-33.26	≤ 26.19	PASS
				5855~5875	-33.62	≤ 15.26	PASS
				5875~5925	-35	≤ -26.80	PASS
				5925~5935	-37.19	≤ -27	PASS
11AC80S ISO	Ant1	Low	5775	5650~5700	-30.3	≤ -0.53	PASS
				5700~5720	-30.47	≤ 15.43	PASS
				5720~5725	-30.27	≤ 23.07	PASS
				5800~5650	-38.55	≤ -27	PASS
		High	5775	5850~5855	-33.58	≤ 15.79	PASS
				5855~5875	-29.07	≤ 10.33	PASS
				5875~5925	-35.35	≤ -25.31	PASS
				5925~5935	-38.63	≤ -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



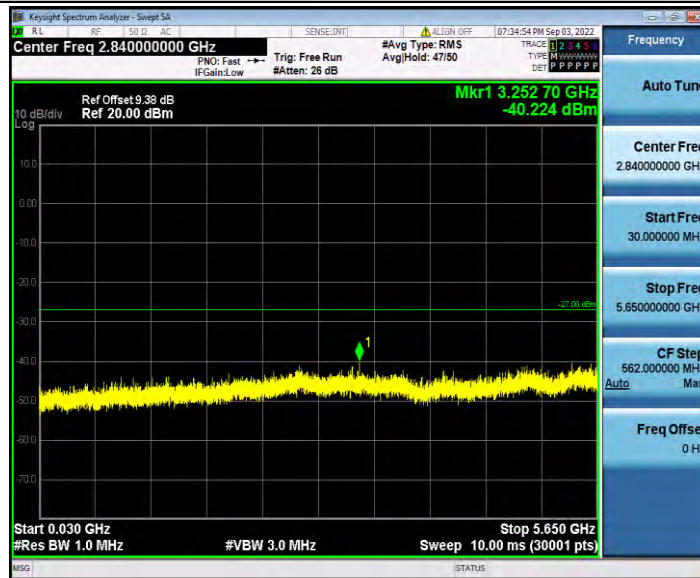
Appendix G.7: Conducted Spurious Emission

Test Result

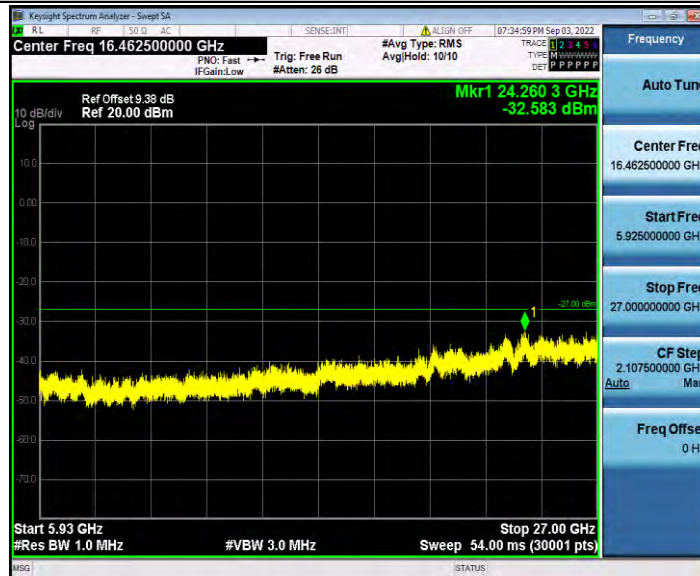
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	3252.7	-40.22	≤-27	PASS
			5925~40000	24260.25	-32.58	≤-27	PASS
		5785	30~5650	2642.36	-40.13	≤-27	PASS
			5925~40000	24105	-31.18	≤-27	PASS
		5825	30~5650	4905.72	-40.53	≤-27	PASS
			5925~40000	25068.83	-31.94	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	1751.22	-35.46	≤-27	PASS
			5925~40000	24291.86	-32.23	≤-27	PASS
		5785	30~5650	5378.74	-41.16	≤-27	PASS
			5925~40000	24210.37	-32.55	≤-27	PASS
		5825	30~5650	5505	-40.12	≤-27	PASS
			5925~40000	26925.54	-32.4	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	5494.14	-40.39	≤-27	PASS
			5925~40000	24218.8	-32.67	≤-27	PASS
		5795	30~5650	5488.71	-40.26	≤-27	PASS
			5925~40000	24343.15	-32.03	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	2663.34	-41.02	≤-27	PASS
			5925~40000	24270.09	-32.37	≤-27	PASS
		5785	30~5650	5475.97	-40.63	≤-27	PASS
			5925~40000	24218.1	-32.02	≤-27	PASS
		5825	30~5650	5473.34	-41.12	≤-27	PASS
			5925~40000	26057.95	-32.29	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	5458.17	-39.65	≤-27	PASS
			5925~40000	25994.02	-32.32	≤-27	PASS
		5795	30~5650	3126.81	-40.35	≤-27	PASS
			5925~40000	23571.1	-32.28	≤-27	PASS
11AC80SISO	Ant1	5775	30~5650	5490.77	-40.51	≤-27	PASS
			5925~40000	24957.83	-32.2	≤-27	PASS

Test Graphs

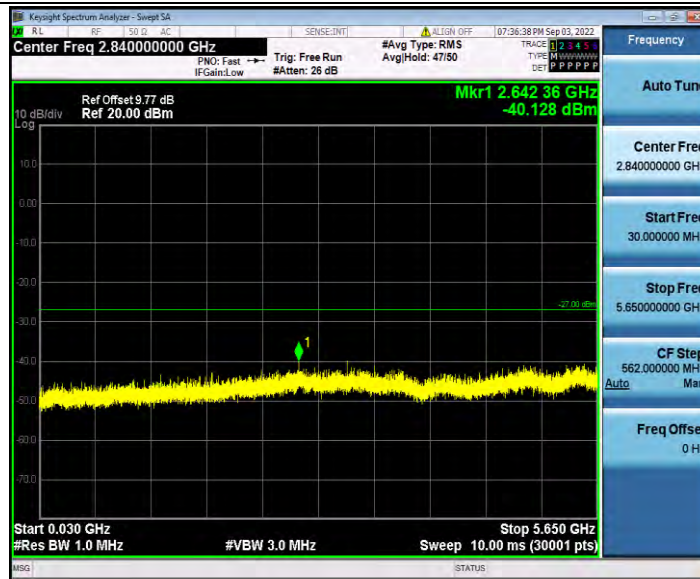
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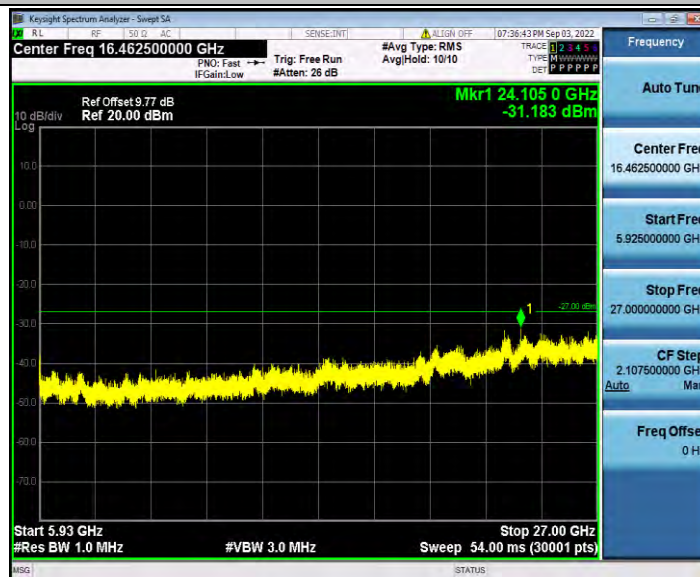
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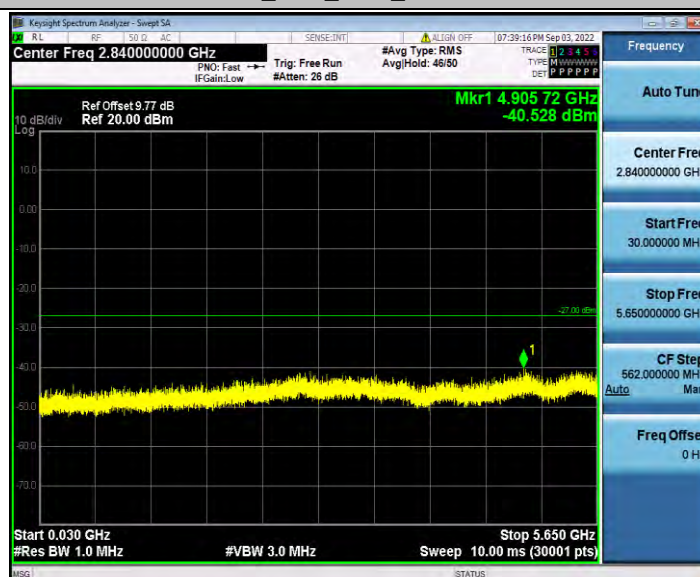
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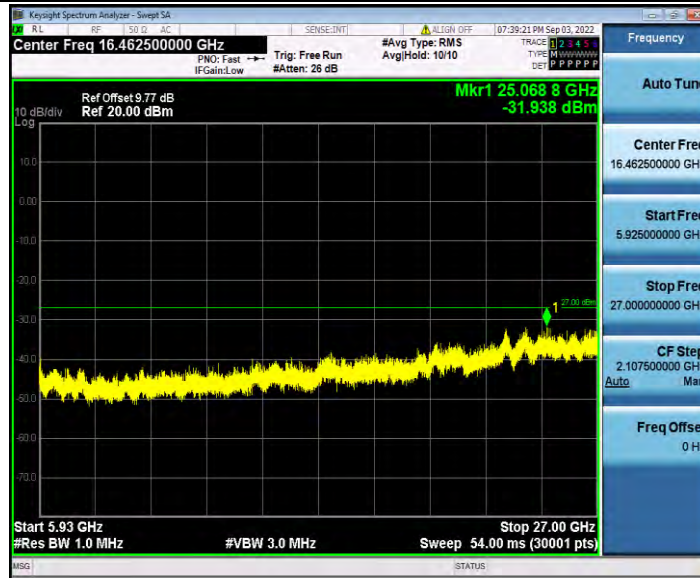
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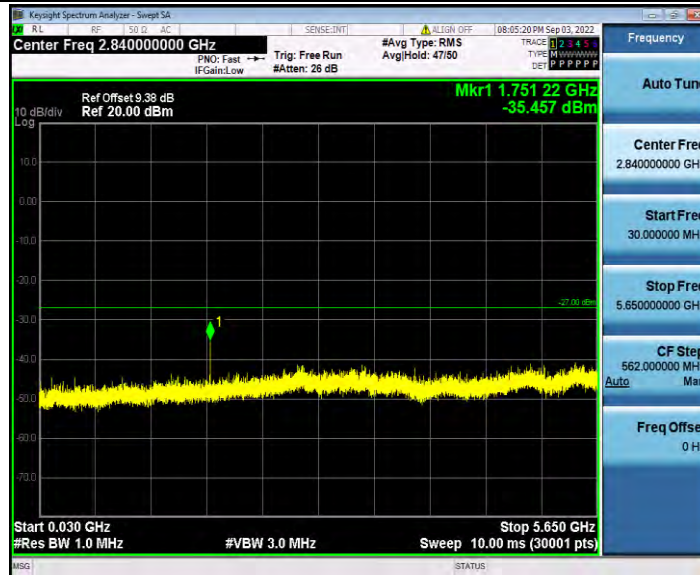
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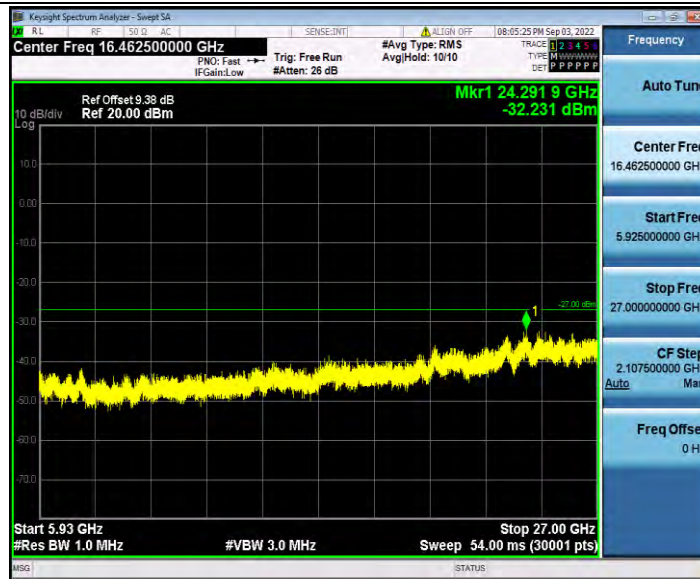
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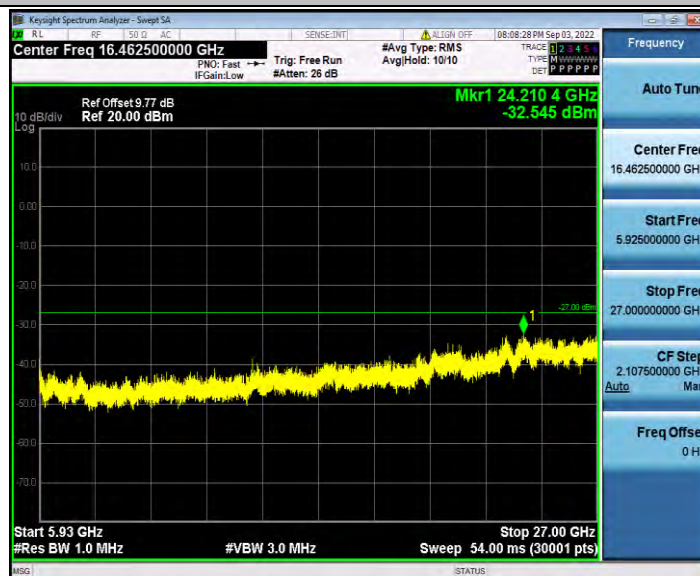
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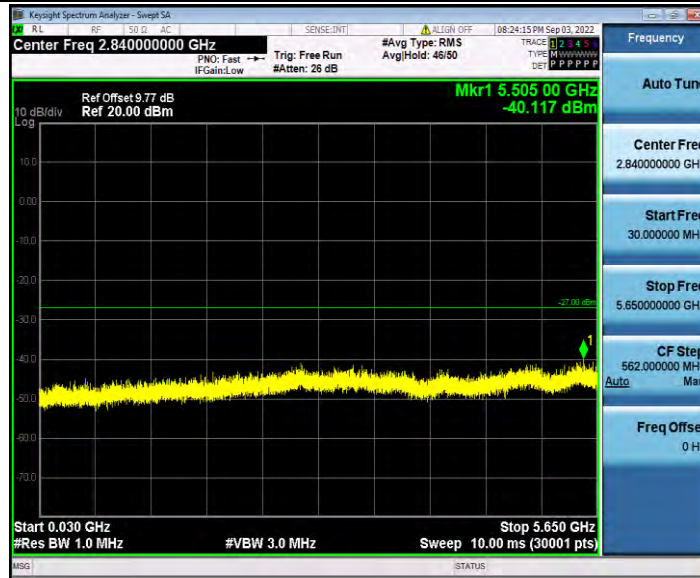
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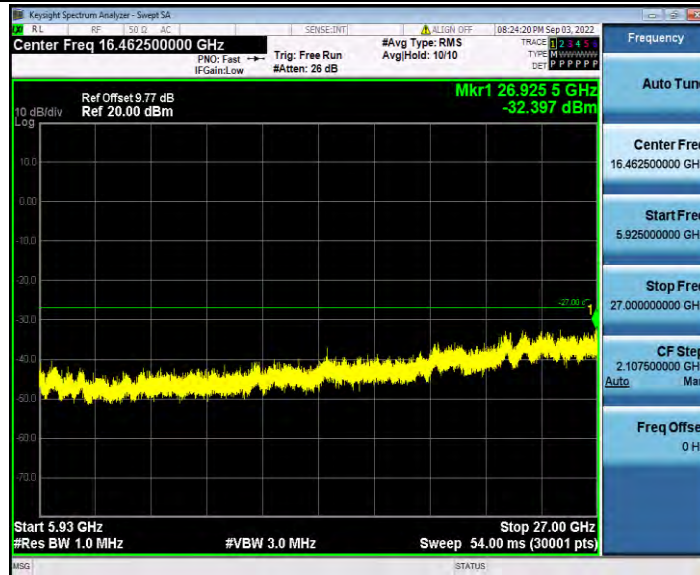
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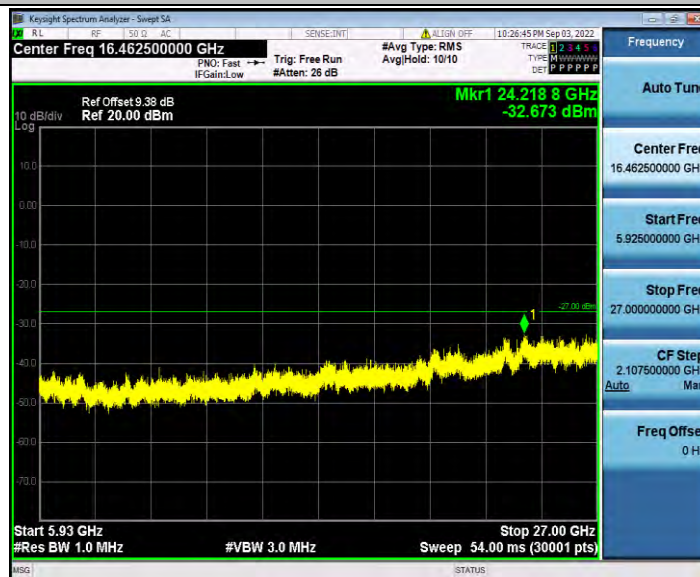
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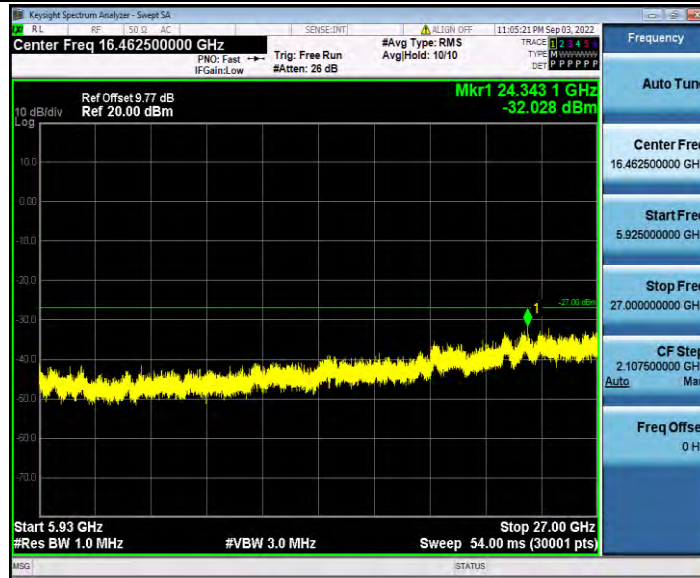
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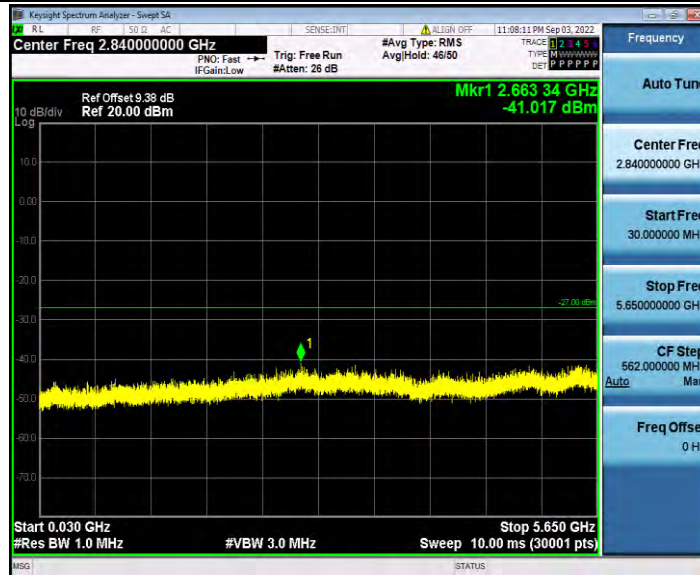
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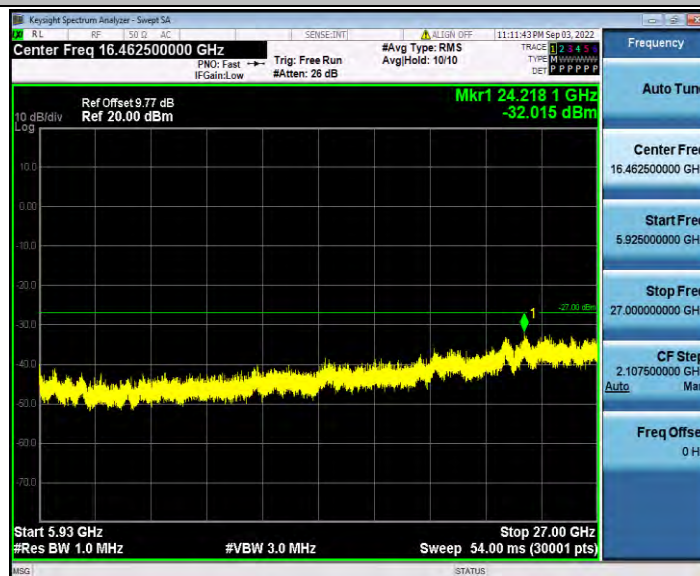
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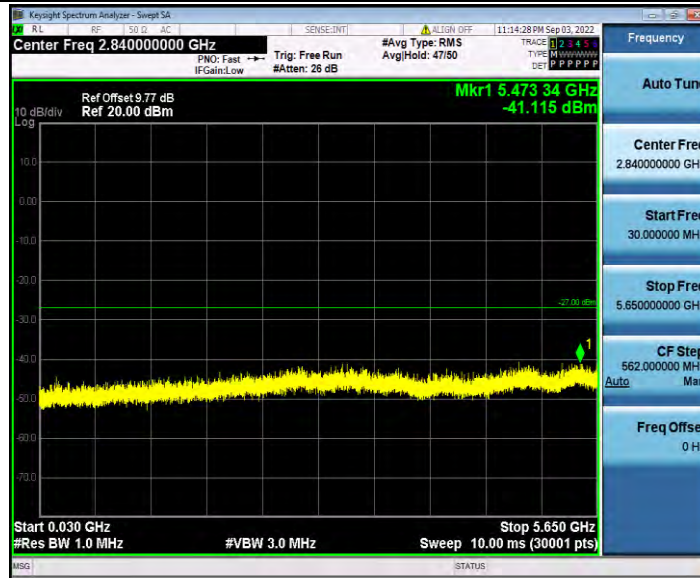
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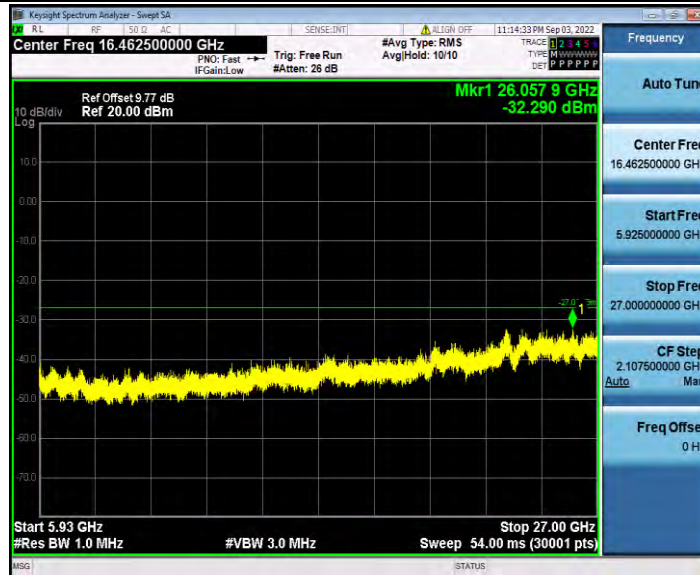
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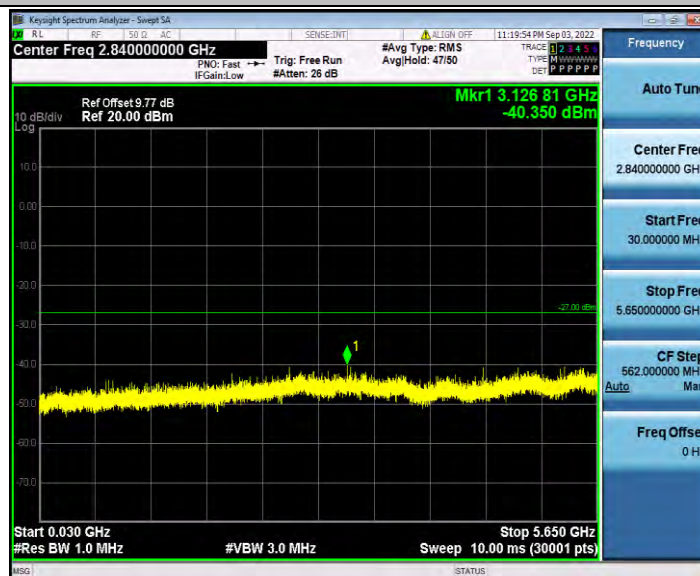
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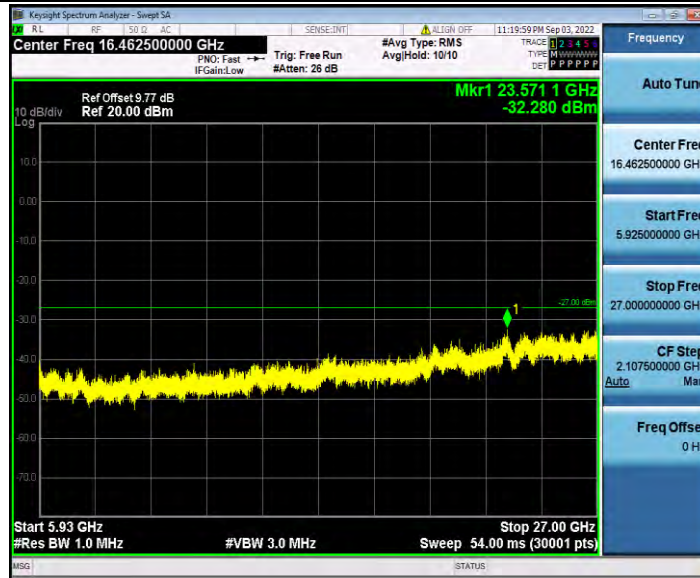
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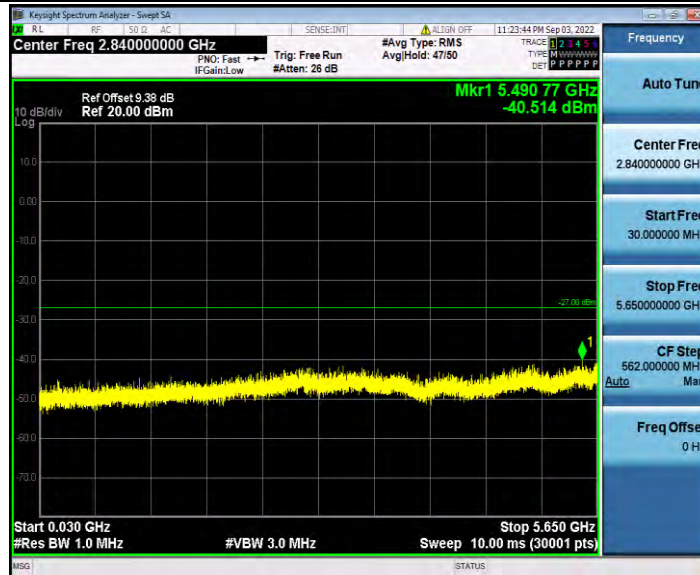
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11AC40SISO_Ant1_5795_5925~40000



11AC80SISO_Ant1_5775_30~5650



11AC80SISO_Ant1_5775_5925~40000

