

Case No. : GTS20221208007-1-13	
Ambient Condition: 25 °C, 45 %RH, Atmos100.1Kpa,	
Test Date: 2022.12.30	Test Engineer: Jenny zeng

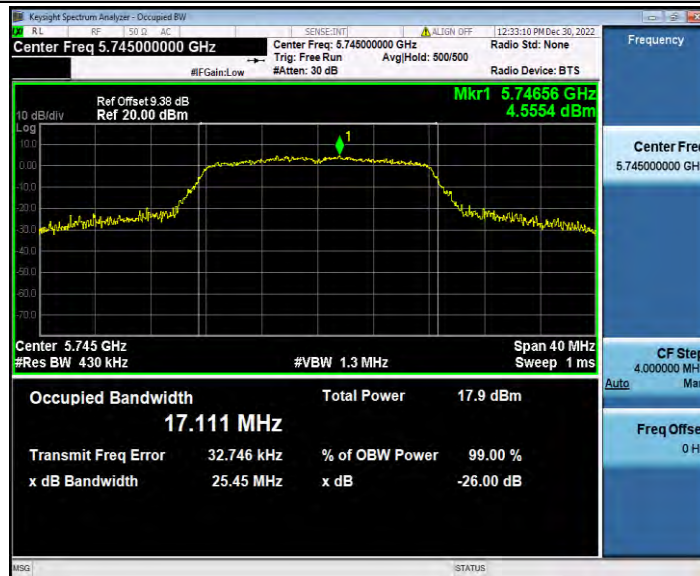
Appendix E.1: Occupied channel bandwidth

Test Result

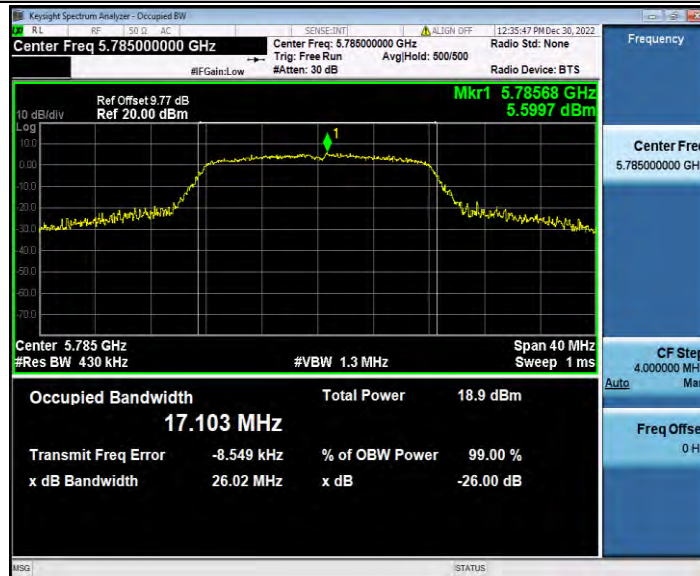
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.111	5736.477	5753.588	---	---
		5785	17.103	5776.440	5793.543	---	---
		5825	17.098	5816.430	5833.528	---	---
11N20SISO	Ant1	5745	17.974	5736.032	5754.006	---	---
		5785	17.948	5776.044	5793.992	---	---
		5825	17.993	5815.997	5833.990	---	---
11N40SISO	Ant1	5755	36.529	5736.772	5773.301	---	---
		5795	36.522	5776.767	5813.289	---	---
11AC20SISO	Ant1	5745	17.914	5736.052	5753.966	---	---
		5785	17.901	5776.067	5793.968	---	---
		5825	17.989	5816.008	5833.997	---	---
11AC40SISO	Ant1	5755	36.284	5736.914	5773.198	---	---
		5795	36.360	5776.869	5813.229	---	---
11AC80SISO	Ant1	5775	75.421	5737.397	5812.818	---	---

Test Graphs

11A_Ant1_5745



11A_Ant1_5785



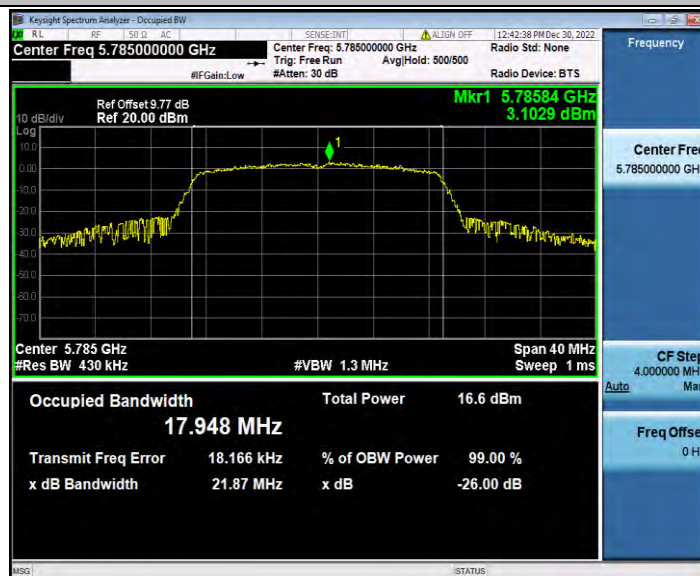
11A_Ant1_5825



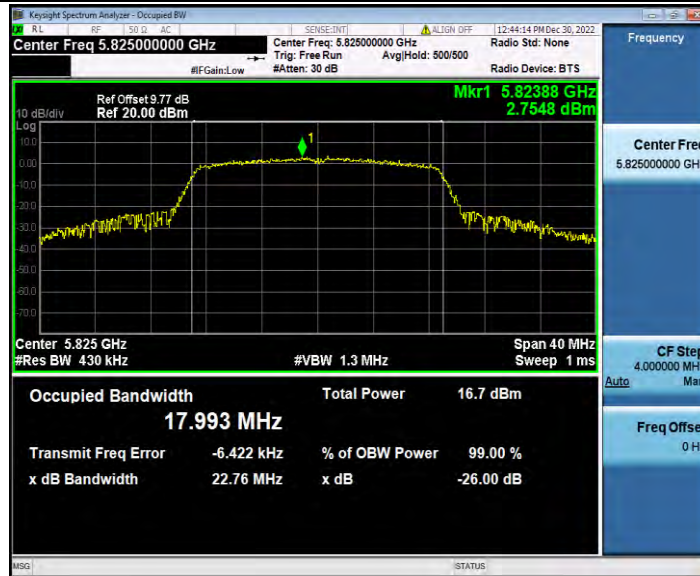
11N20SISO_Ant1_5745



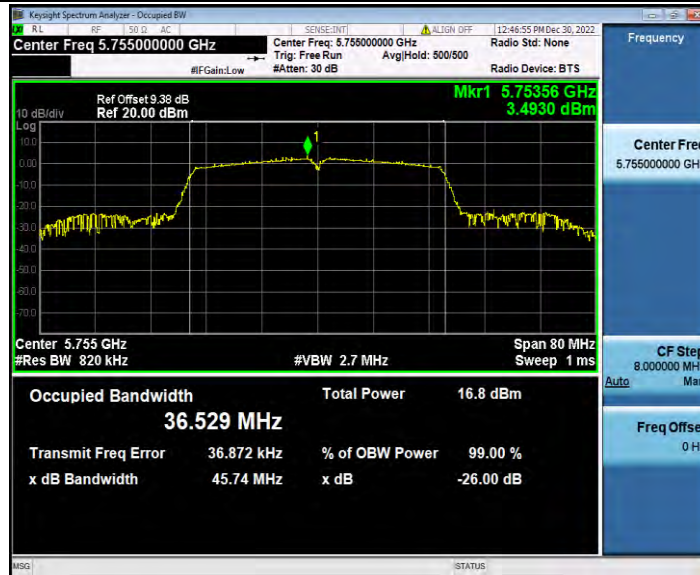
11N20SISO_Ant1_5785



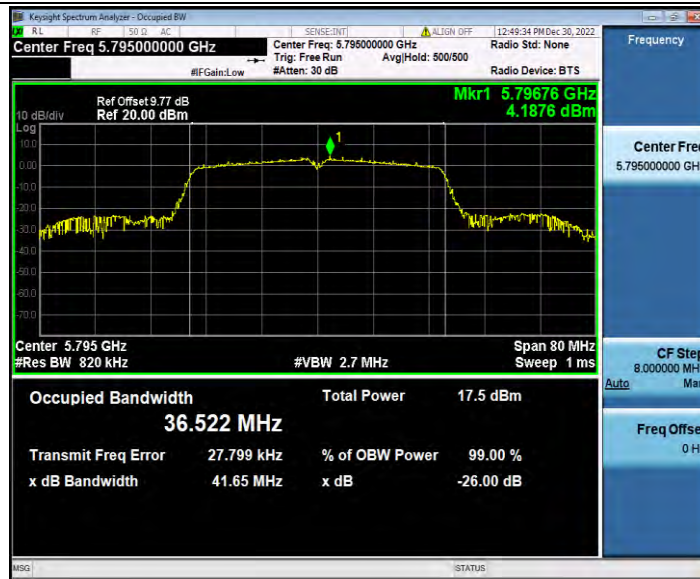
11N20SISO_Ant1_5825



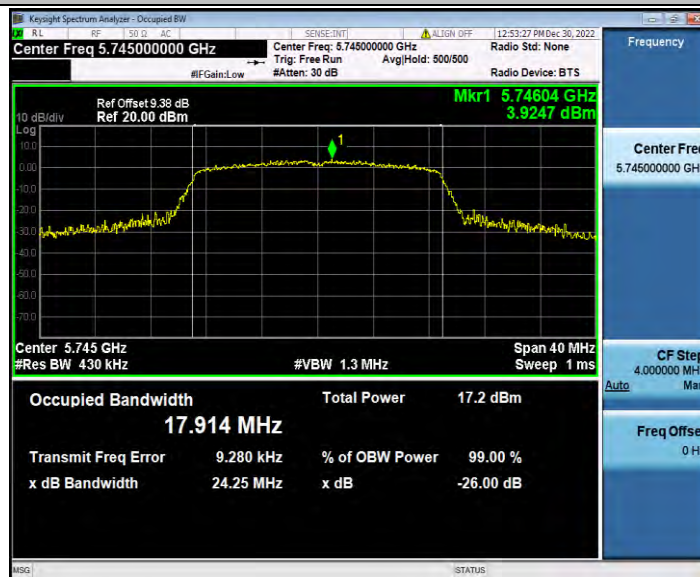
11N40SISO_Ant1_5755



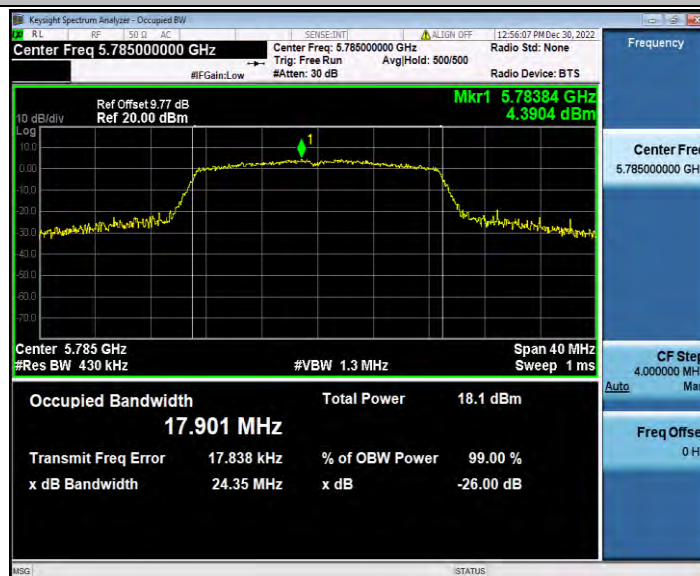
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



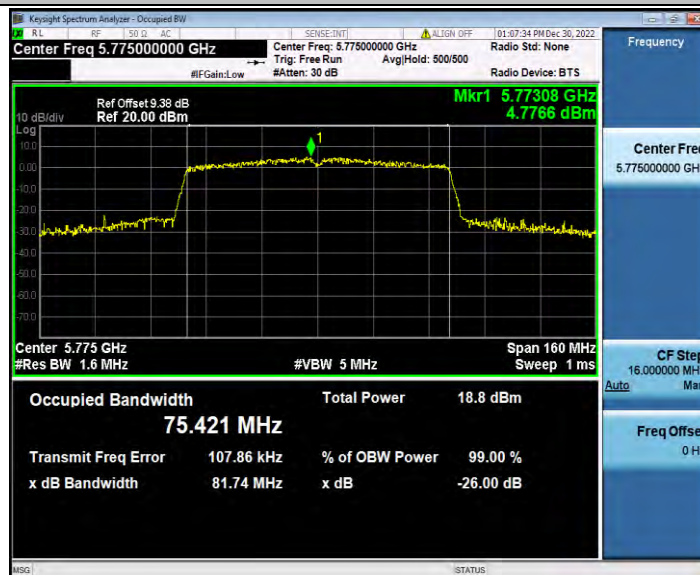
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



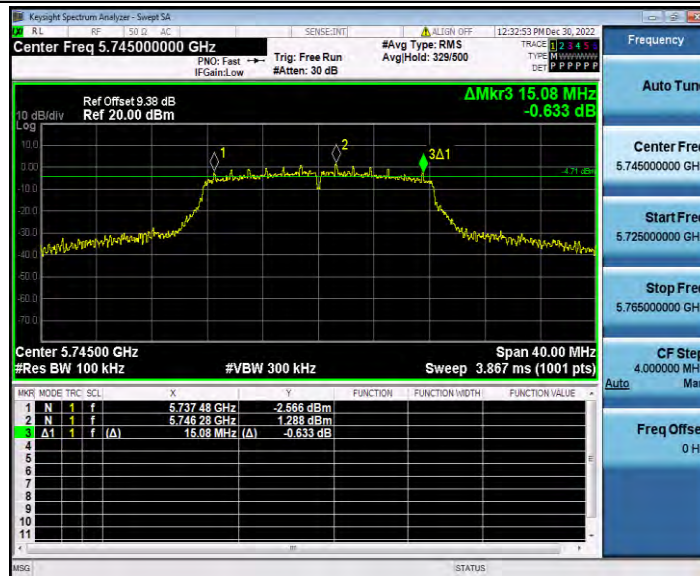
Appendix E.2: Min emission bandwidth

Test Result B4

TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.080	5737.480	5752.560	0.5	PASS
		5785	15.080	5777.480	5792.560	0.5	PASS
		5825	15.400	5817.120	5832.520	0.5	PASS
11N20SISO	Ant1	5745	15.080	5737.440	5752.520	0.5	PASS
		5785	15.120	5777.440	5792.560	0.5	PASS
		5825	15.040	5817.520	5832.560	0.5	PASS
11N40SISO	Ant1	5755	35.040	5737.480	5772.520	0.5	PASS
		5795	35.040	5777.480	5812.520	0.5	PASS
11AC20SISO	Ant1	5745	15.120	5737.440	5752.560	0.5	PASS
		5785	13.880	5777.440	5791.320	0.5	PASS
		5825	15.080	5817.480	5832.560	0.5	PASS
11AC40SISO	Ant1	5755	35.040	5737.480	5772.520	0.5	PASS
		5795	35.040	5777.480	5812.520	0.5	PASS
11AC80SISO	Ant1	5775	75.200	5737.400	5812.600	0.5	PASS

Test Graphs B4

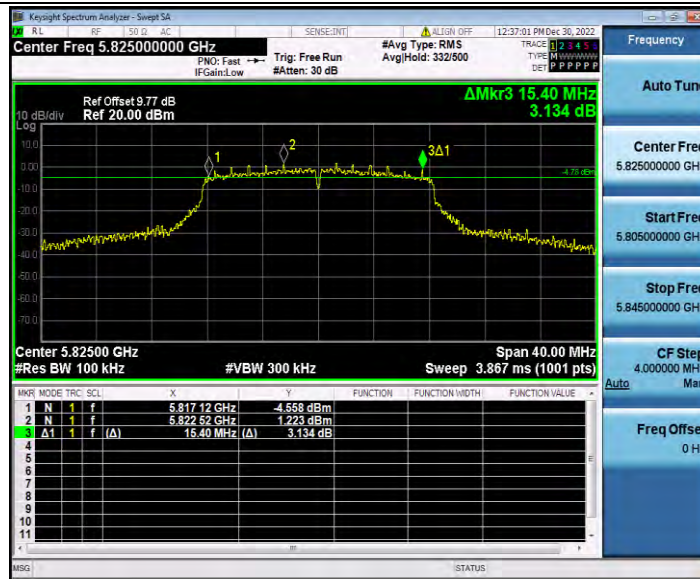
11A_Ant1_5745



11A_Ant1_5785



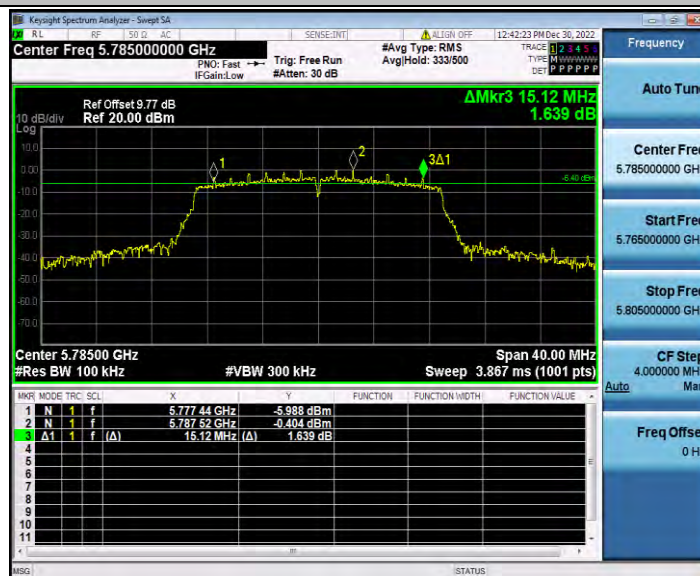
11A_Ant1_5825



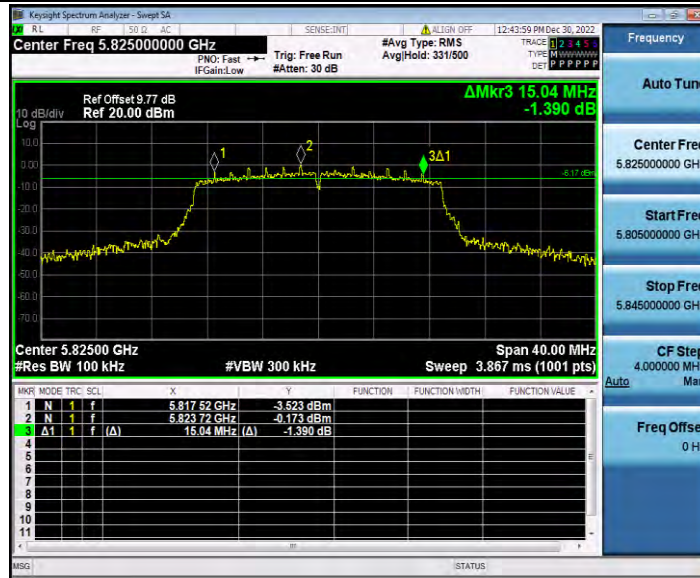
11N20SISO_Ant1_5745



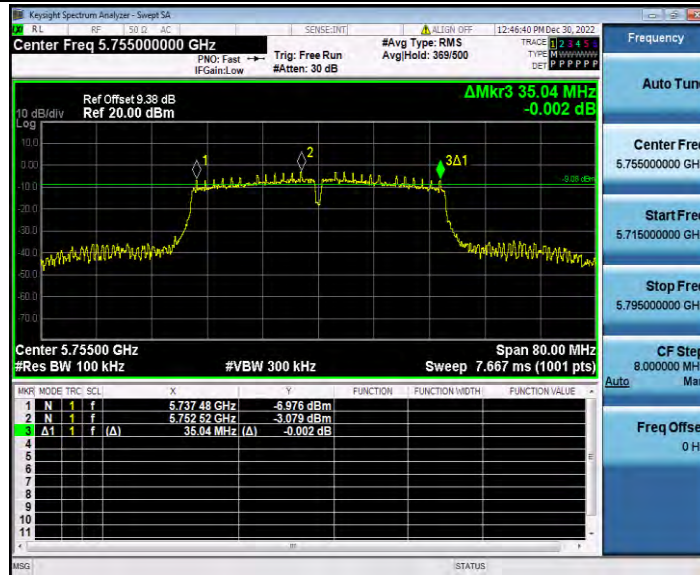
11N20SISO_Ant1_5785



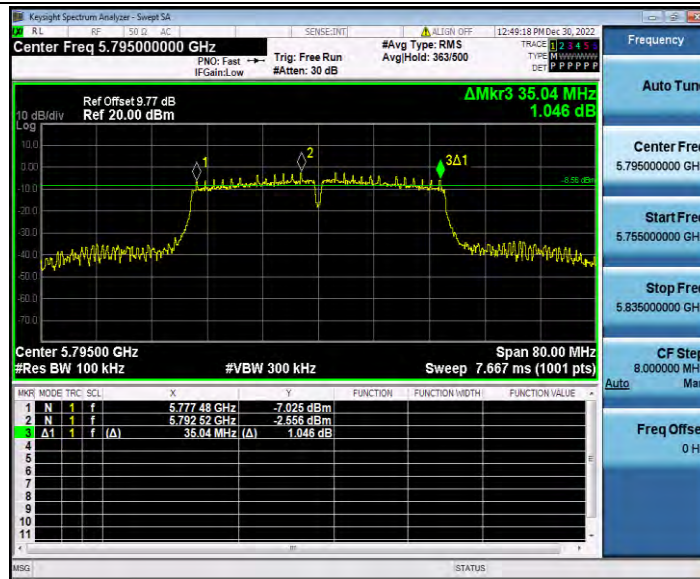
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



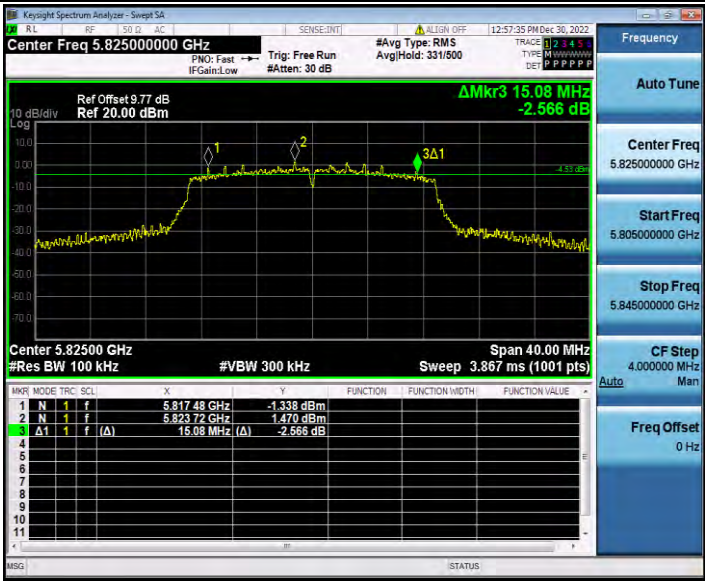
11AC20SISO_Ant1_5745



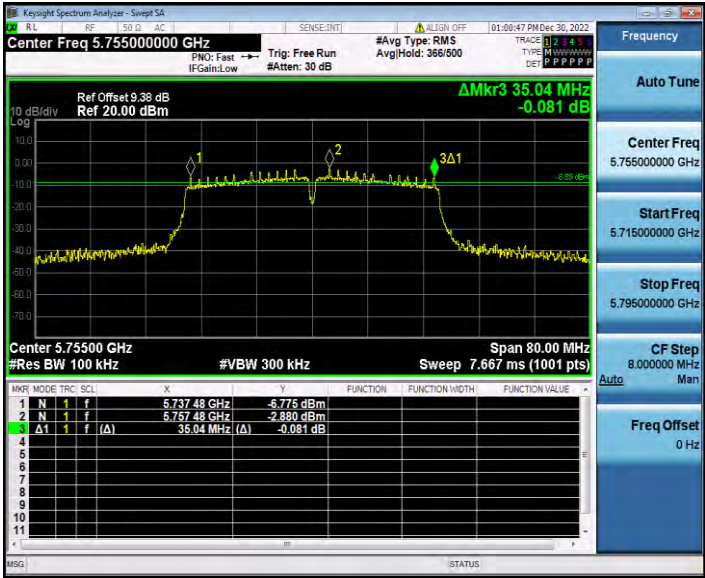
11AC20SISO_Ant1_5785



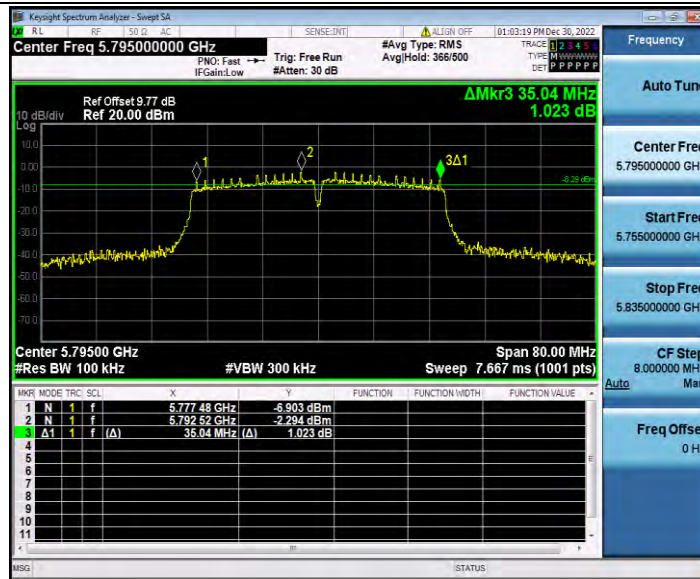
11AC20SISO_Ant1_5825



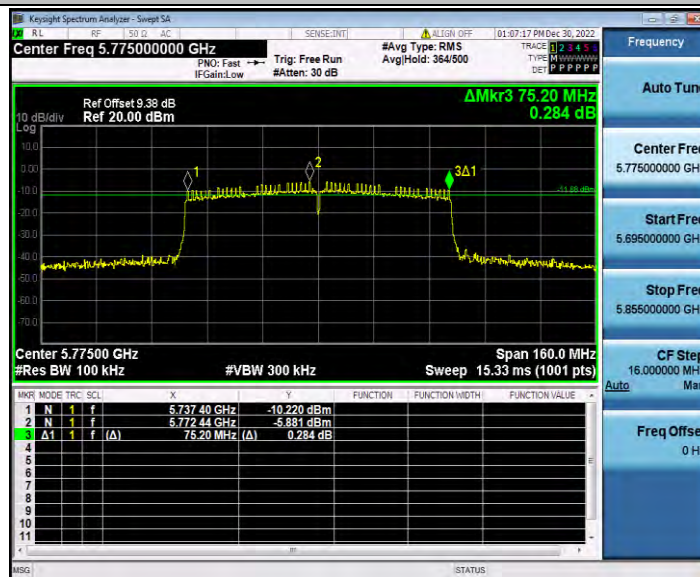
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



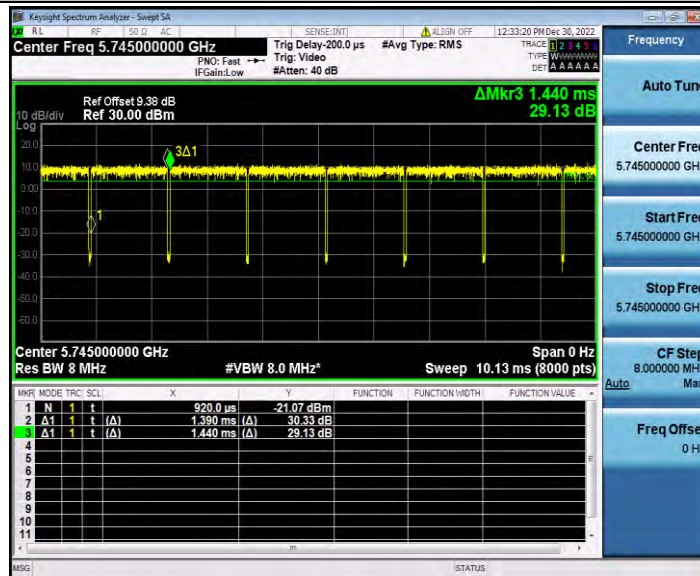
Appendix E.3: Duty Cycle

Test Result

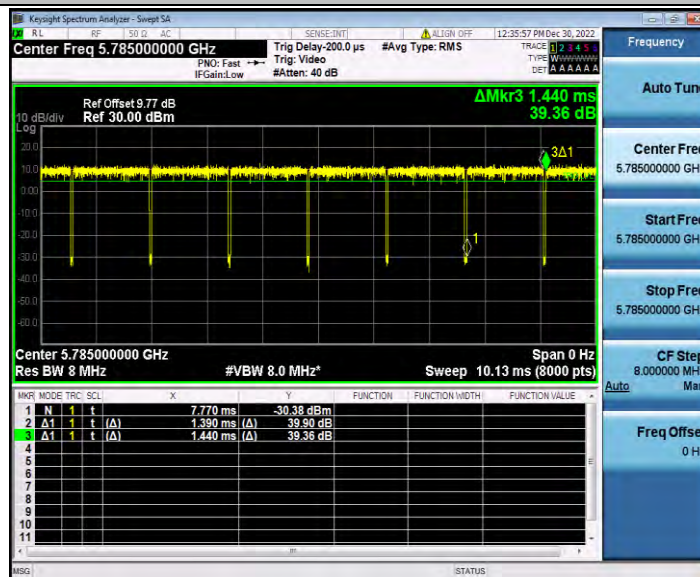
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5745	1.39	1.44	96.53
		5785	1.39	1.44	96.53
		5825	1.39	1.43	97.20
11N20SISO	Ant1	5745	1.30	1.35	96.30
		5785	1.30	1.34	97.01
		5825	1.30	1.34	97.01
11N40SISO	Ant1	5755	0.65	0.69	94.20
		5795	0.65	0.70	92.86
11AC20SISO	Ant1	5745	1.31	1.35	97.04
		5785	1.32	1.36	97.06
		5825	1.31	1.35	97.04
11AC40SISO	Ant1	5755	0.65	0.70	92.86
		5795	0.65	0.69	94.20
11AC80SISO	Ant1	5775	0.33	0.37	89.19

Test Graphs

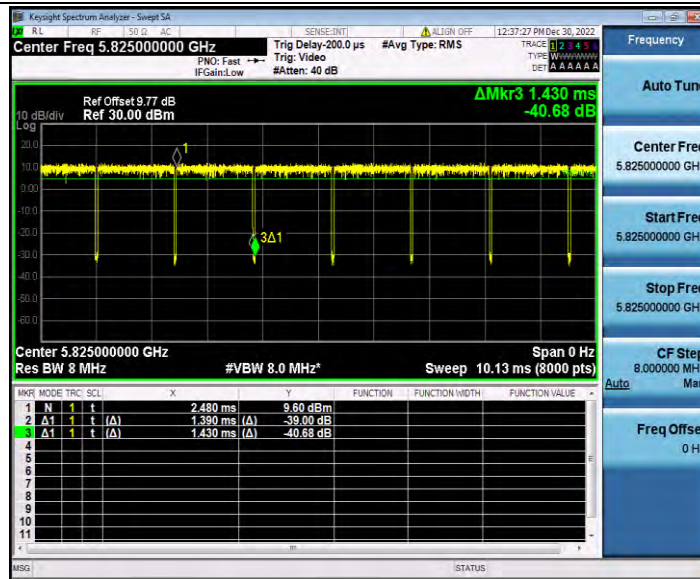
11A_Ant1_5745



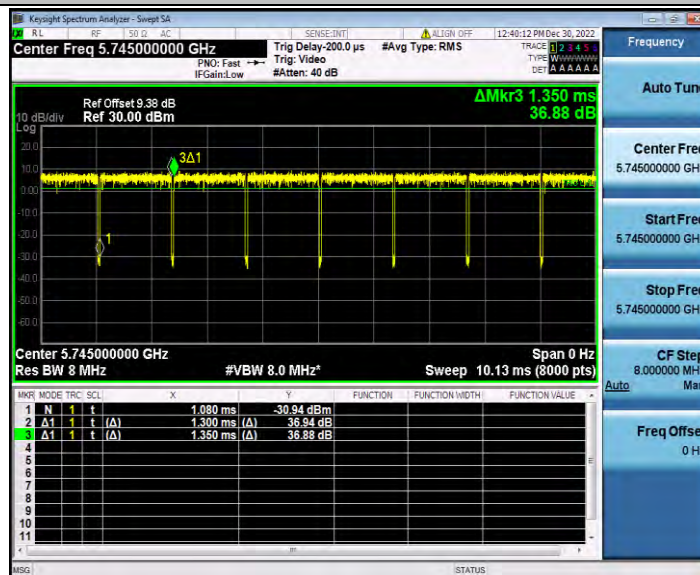
11A_Ant1_5785



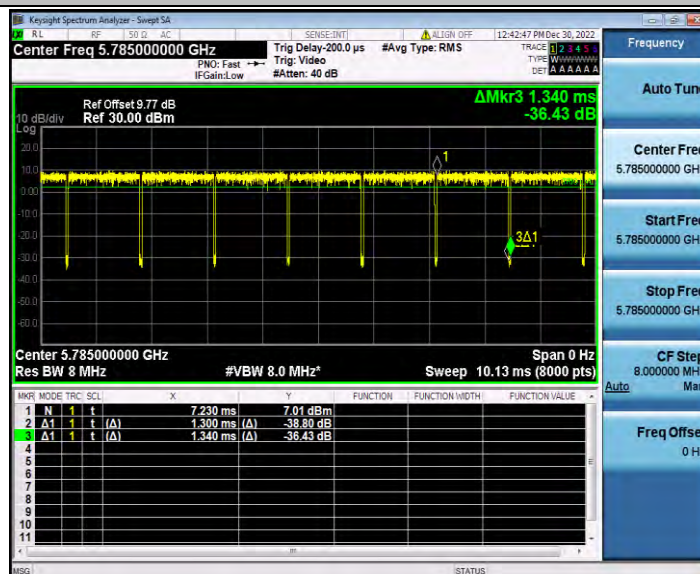
11A_Ant1_5825



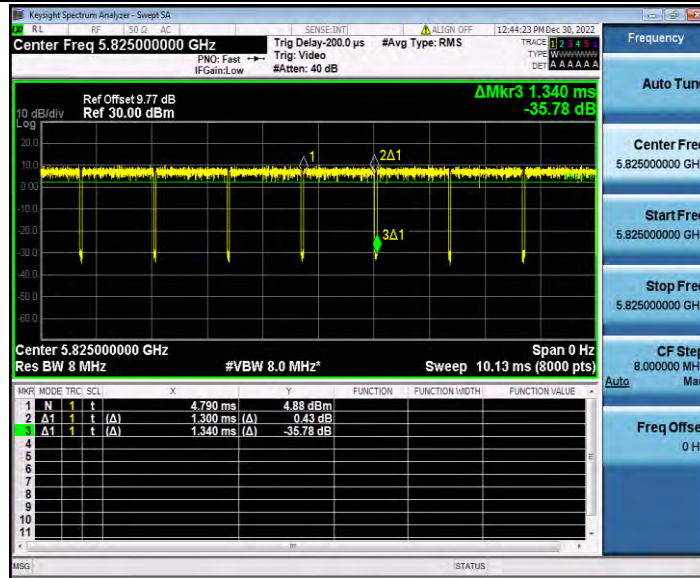
11N20SISO_Ant1_5745



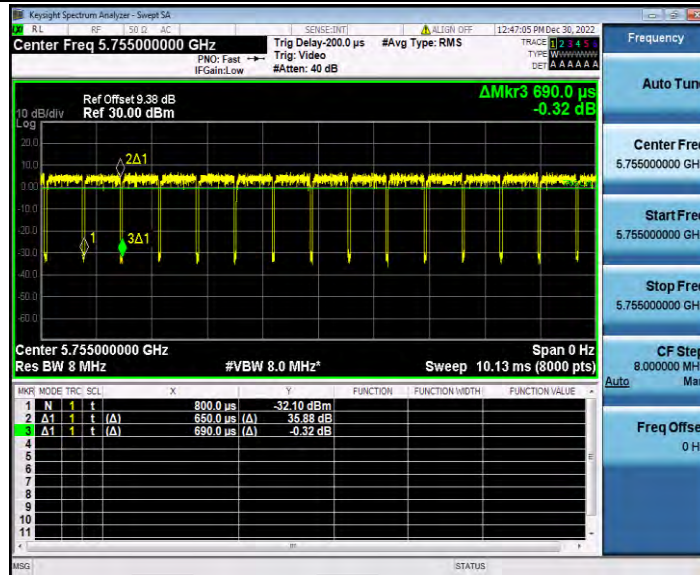
11N20SISO_Ant1_5785



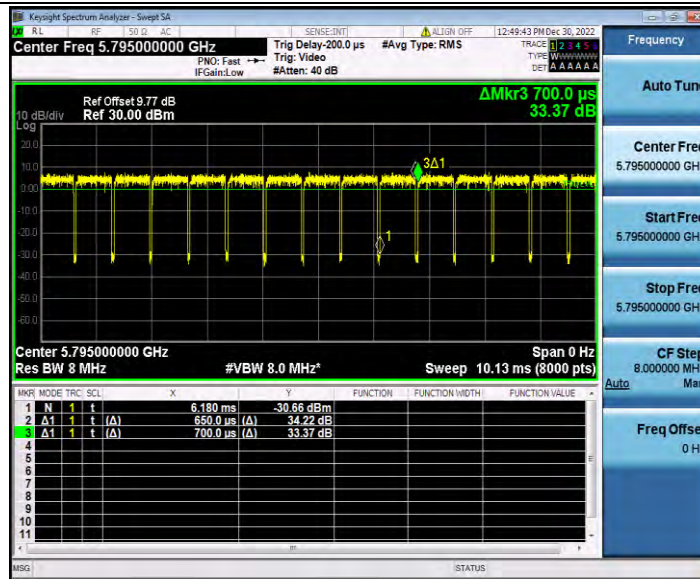
11N20SISO_Ant1_5825



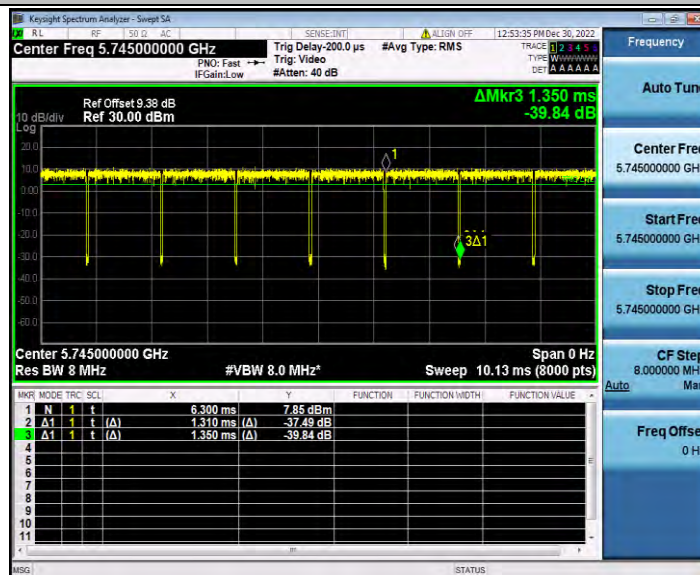
11N40SISO_Ant1_5755



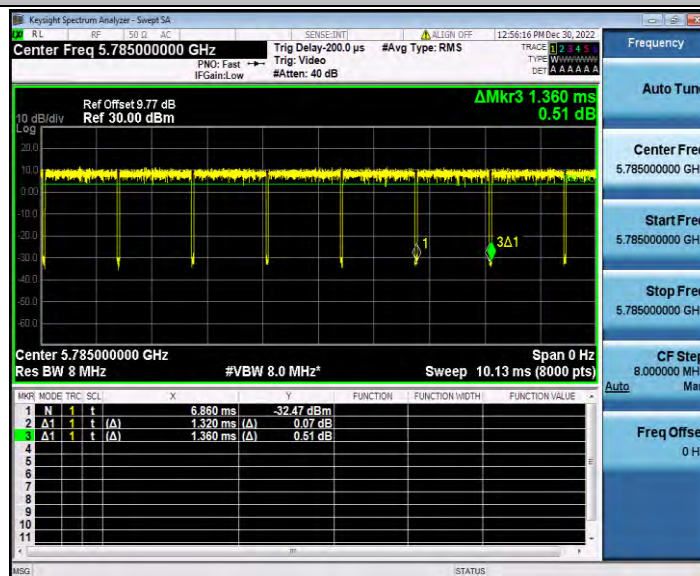
11N40SISO_Ant1_5795



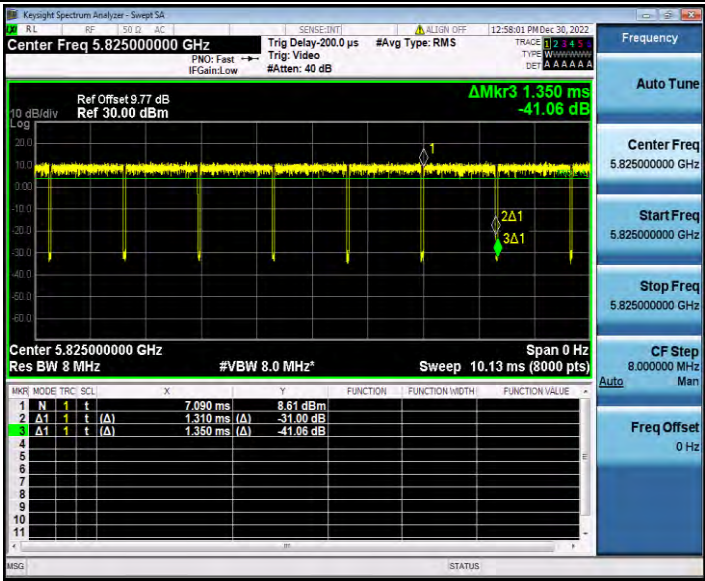
11AC20SISO_Ant1_5745



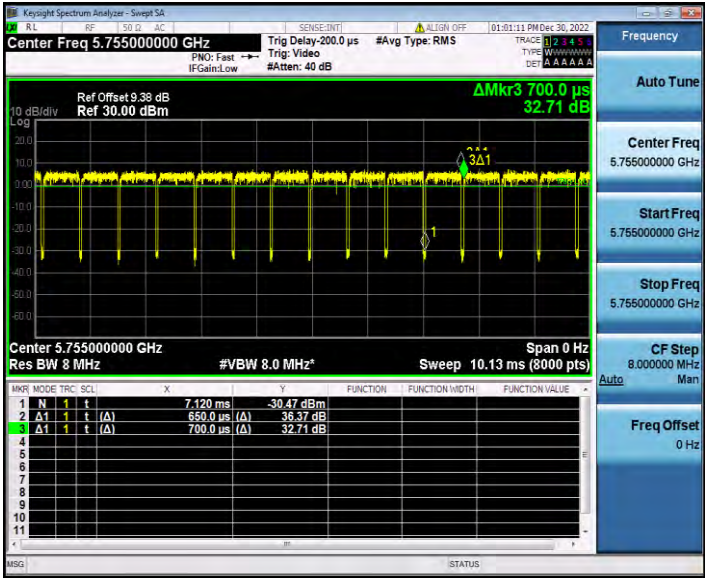
11AC20SISO_Ant1_5785



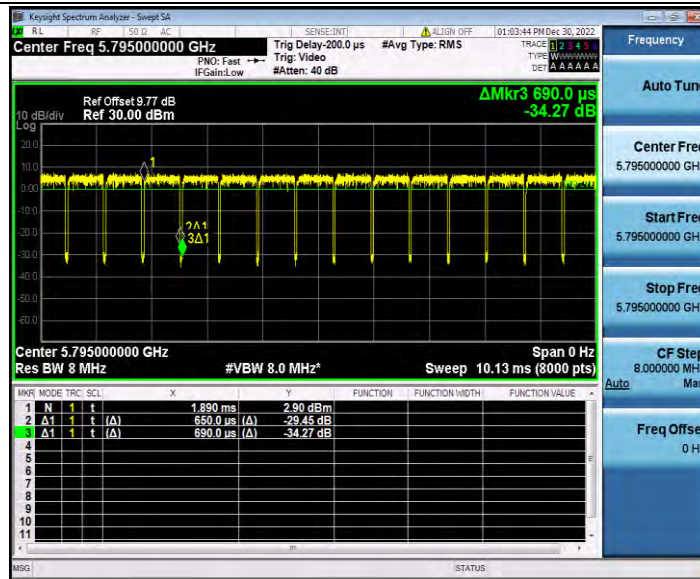
11AC20SISO_Ant1_5825



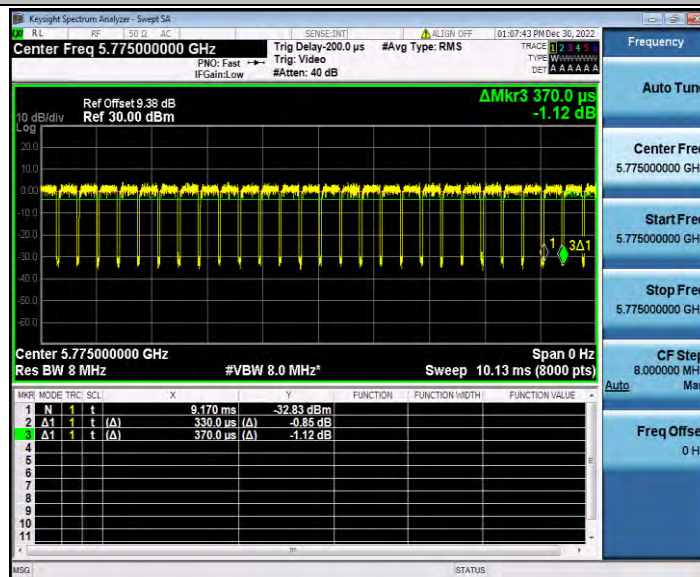
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



Appendix E.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[MHz]	Channel Powert [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	10.93	96.53	0.15	11.08	≤30.00	PASS
		5785	11.96	96.53	0.15	12.11	≤30.00	PASS
		5825	11.98	97.20	0.12	12.10	≤30.00	PASS
11N20SISO	Ant1	5745	8.94	96.30	0.16	9.10	≤30.00	PASS
		5785	9.75	97.01	0.13	9.88	≤30.00	PASS
		5825	9.90	97.01	0.13	10.03	≤30.00	PASS
11N40SISO	Ant1	5755	9.21	94.20	0.26	9.47	≤30.00	PASS
		5795	9.86	92.86	0.32	10.18	≤30.00	PASS
11AC20SISO	Ant1	5745	10.59	97.04	0.13	10.72	≤30.00	PASS
		5785	11.16	97.06	0.13	11.29	≤30.00	PASS
		5825	11.54	97.04	0.13	11.67	≤30.00	PASS
11AC40SISO	Ant1	5755	9.32	92.86	0.32	9.64	≤30.00	PASS
		5795	10.06	94.20	0.26	10.32	≤30.00	PASS
11AC80SISO	Ant1	5775	9.20	89.19	0.50	9.70	≤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	-2.23	≤30.00	PASS
		5785	-1.35	≤30.00	PASS
		5825	-1.41	≤30.00	PASS
11N20SISO	Ant1	5745	-4.69	≤30.00	PASS
		5785	-3.51	≤30.00	PASS
		5825	-3.69	≤30.00	PASS
11N40SISO	Ant1	5755	-6.82	≤30.00	PASS
		5795	-6.25	≤30.00	PASS
11AC20SISO	Ant1	5745	-2.75	≤30.00	PASS
		5785	-2.26	≤30.00	PASS
		5825	-1.97	≤30.00	PASS
11AC40SISO	Ant1	5755	-6.59	≤30.00	PASS
		5795	-6.08	≤30.00	PASS
11AC80SISO	Ant1	5775	-9.58	≤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



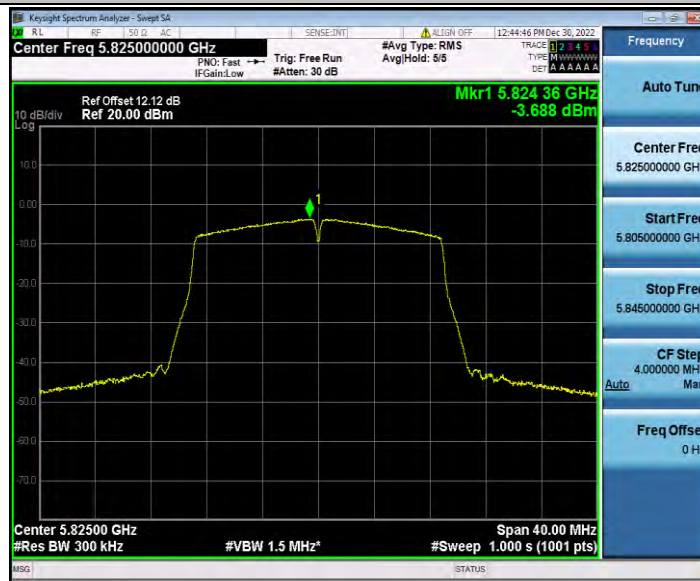
11N20SISO_Ant1_5745



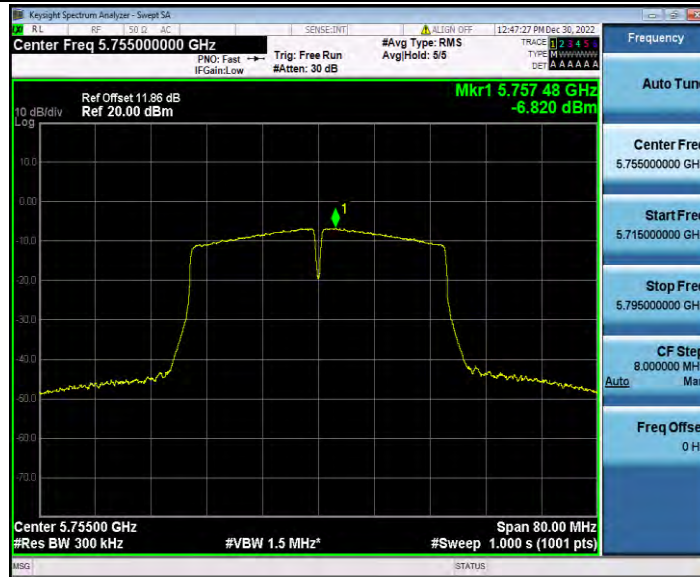
11N20SISO_Ant1_5785



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	-38.27	≤2.91	PASS
				5700~5720	-30.86	≤15.50	PASS
				5720~5725	-23.7	≤26.57	PASS
				5760~5650	-39.38	≤-27	PASS
		High	5825	5850~5855	-30.15	≤23.80	PASS
				5855~5875	-33.42	≤10.17	PASS
				5875~5925	-38.43	≤-14.87	PASS
				5925~5935	-38.49	≤-27	PASS
11N20SI SO	Ant1	Low	5745	5650~5700	-38.19	≤-2.02	PASS
				5700~5720	-32.46	≤15.24	PASS
				5720~5725	-28.23	≤25.52	PASS
				5760~5650	-39.88	≤-27	PASS
		High	5825	5850~5855	-33.6	≤20.10	PASS
				5855~5875	-37.96	≤10.25	PASS
				5875~5925	-38.55	≤6.51	PASS
				5925~5935	-39.48	≤-27	PASS
11N40SI SO	Ant1	Low	5755	5650~5700	-32.72	≤7.66	PASS
				5700~5720	-23.6	≤15.58	PASS
				5720~5725	-21.93	≤24.05	PASS
				5780~5650	-39.16	≤-27	PASS
		High	5795	5850~5855	-35.85	≤17.16	PASS
				5855~5875	-37.91	≤10.27	PASS
				5875~5925	-37.72	≤8.85	PASS
				5925~5935	-38.7	≤-27	PASS
11AC20S ISO	Ant1	Low	5745	5650~5700	-38.58	≤4.36	PASS
				5700~5720	-31.04	≤14.40	PASS
				5720~5725	-22.48	≤26.30	PASS
				5760~5650	-39.92	≤-27	PASS
		High	5825	5850~5855	-30.2	≤17.95	PASS
				5855~5875	-32.22	≤10.21	PASS
				5875~5925	-38.01	≤-5.68	PASS
				5925~5935	-39.6	≤-27	PASS
11AC40S ISO	Ant1	Low	5755	5650~5700	-35.41	≤9.46	PASS
				5700~5720	-27.92	≤15.43	PASS
				5720~5725	-27.16	≤23.12	PASS

		High	5795	5780~5650	-40.13	≤ -27	PASS
				5850~5855	-37.52	≤ 18.67	PASS
				5855~5875	-37.74	≤ 10.78	PASS
				5875~5925	-37.72	≤ -16.06	PASS
				5925~5935	-38.55	≤ -27	PASS
11AC80S ISO	Ant1	Low	5775	5650~5700	-30.4	≤ -0.30	PASS
				5700~5720	-27.69	≤ 13.31	PASS
				5720~5725	-26.2	≤ 16.00	PASS
				5800~5650	-39.87	≤ -27	PASS
		High	5775	5850~5855	-30.3	≤ 24.23	PASS
				5855~5875	-30.35	≤ 10.28	PASS
				5875~5925	-37.48	≤ -26.82	PASS
				5925~5935	-39.01	≤ -27	PASS

Test Graphs B4

11A_Ant1_Low_5745



11A_Ant1_High_5825



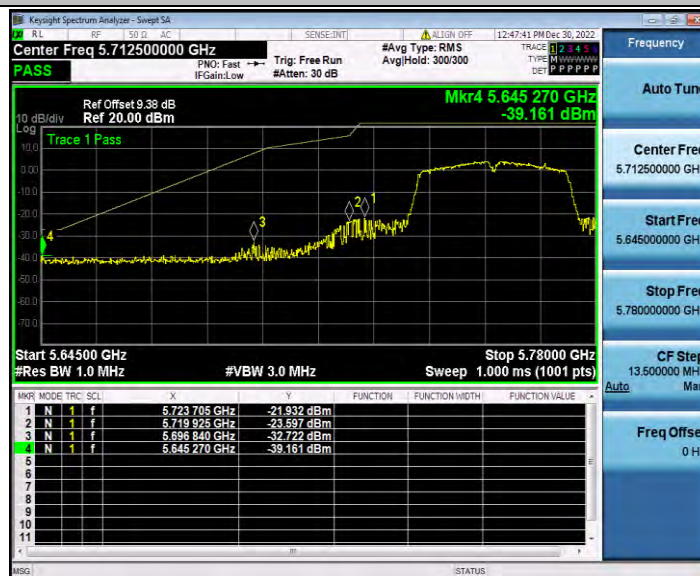
11N20SISO_Ant1_Low_5745



11N20SISO_Ant1_High_5825



11N40SISO_Ant1_Low_5755



11N40SISO_Ant1_High_5795



11AC20SISO_Ant1_Low_5745



11AC20SISO_Ant1_High_5825



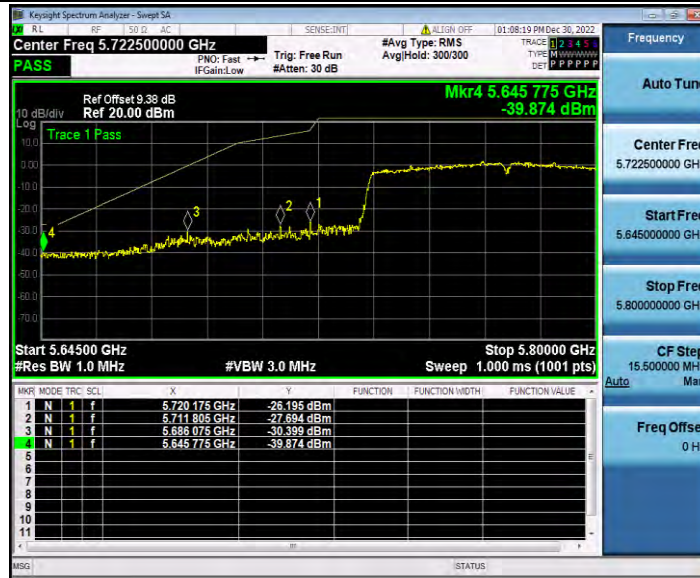
11AC40SISO_Ant1_Low_5755



11AC40SISO_Ant1_High_5795



11AC80SISO_Ant1_Low_5775



11AC80SISO_Ant1_High_5775



Appendix E.7: Conducted Spurious Emission

Test Result

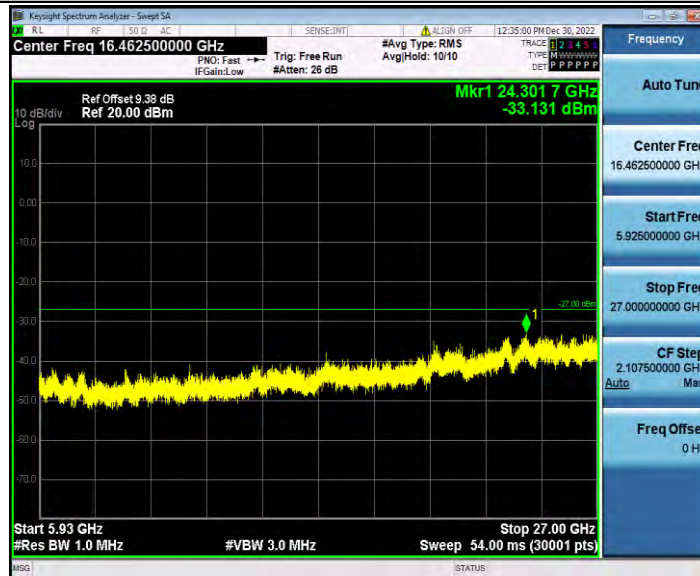
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	3166.71	-40.69	≤-27	PASS
			5925~40000	24301.7	-33.13	≤-27	PASS
		5785	30~5650	3156.78	-40.82	≤-27	PASS
			5925~40000	25619.59	-32.48	≤-27	PASS
		5825	30~5650	1763.77	-36.4	≤-27	PASS
			5925~40000	24271.49	-32.23	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	2659.6	-40.76	≤-27	PASS
			5925~40000	26562.34	-32.41	≤-27	PASS
		5785	30~5650	1746.72	-34.89	≤-27	PASS
			5925~40000	25243.75	-32.25	≤-27	PASS
		5825	30~5650	2671.59	-40.51	≤-27	PASS
			5925~40000	23528.95	-32.12	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	2648.17	-41.28	≤-27	PASS
			5925~40000	26583.42	-32.52	≤-27	PASS
		5795	30~5650	5014.57	-40.9	≤-27	PASS
			5925~40000	24218.8	-32.87	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	5460.42	-40.55	≤-27	PASS
			5925~40000	24240.58	-33.1	≤-27	PASS
		5785	30~5650	2690.32	-40.49	≤-27	PASS
			5925~40000	24247.61	-32.27	≤-27	PASS
		5825	30~5650	5466.04	-40.84	≤-27	PASS
			5925~40000	24833.49	-32.3	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	1747.85	-33.05	≤-27	PASS
			5925~40000	23586.55	-33.17	≤-27	PASS
		5795	30~5650	1746.91	-37.85	≤-27	PASS
			5925~40000	24813.82	-32.55	≤-27	PASS
11AC80SISO	Ant1	5775	30~5650	5342.59	-40.57	≤-27	PASS
			5925~40000	25042.13	-32.86	≤-27	PASS

Test Graphs

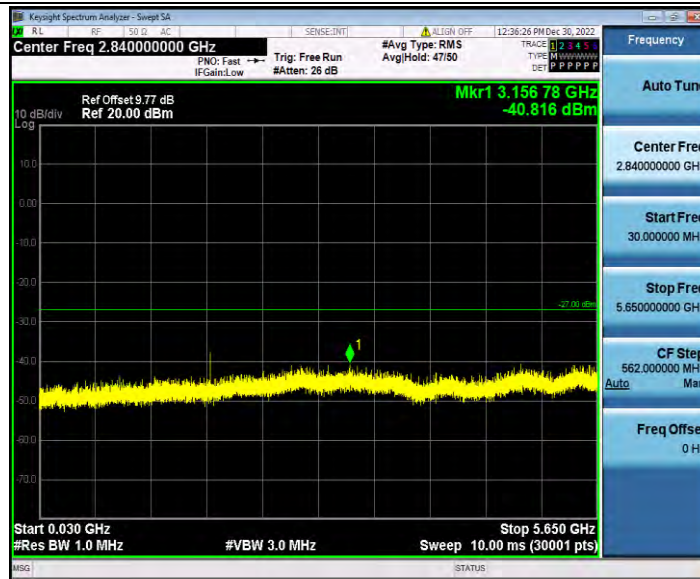
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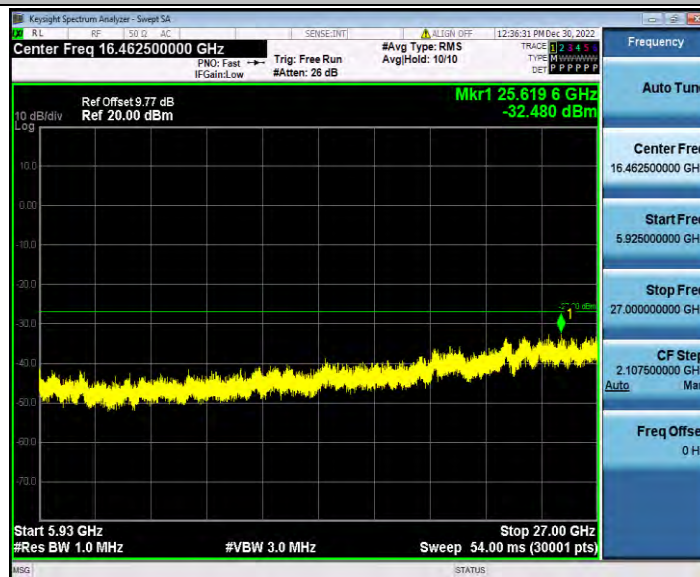
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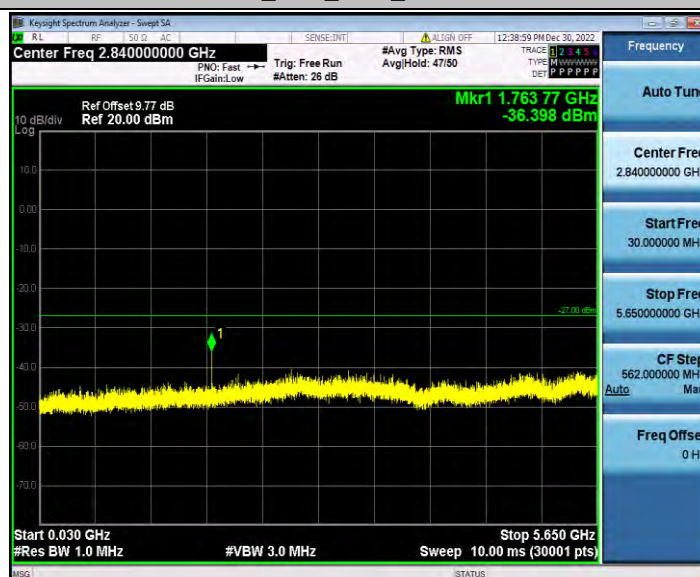
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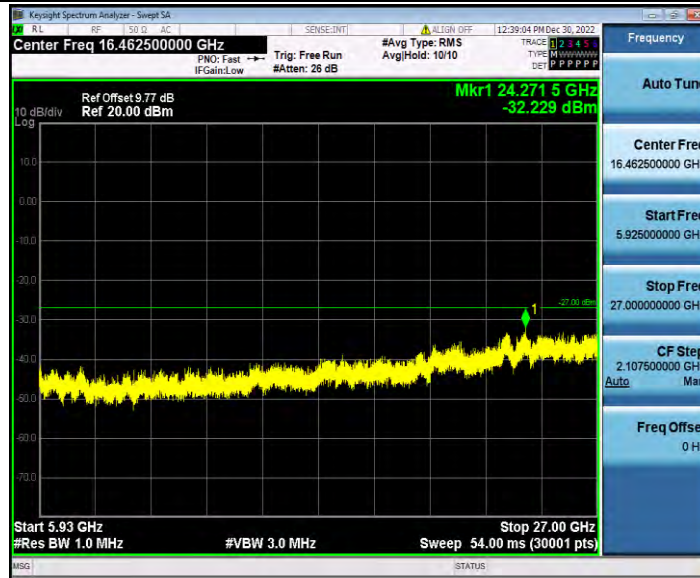
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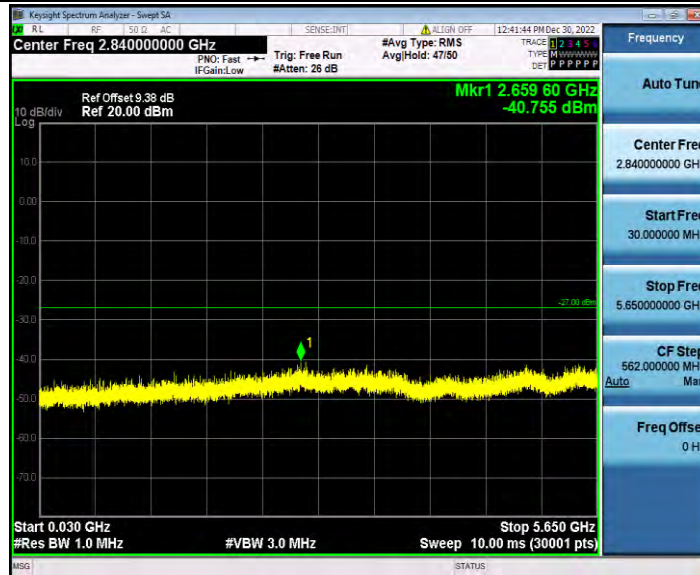
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11A_Ant1_5825_5925~40000



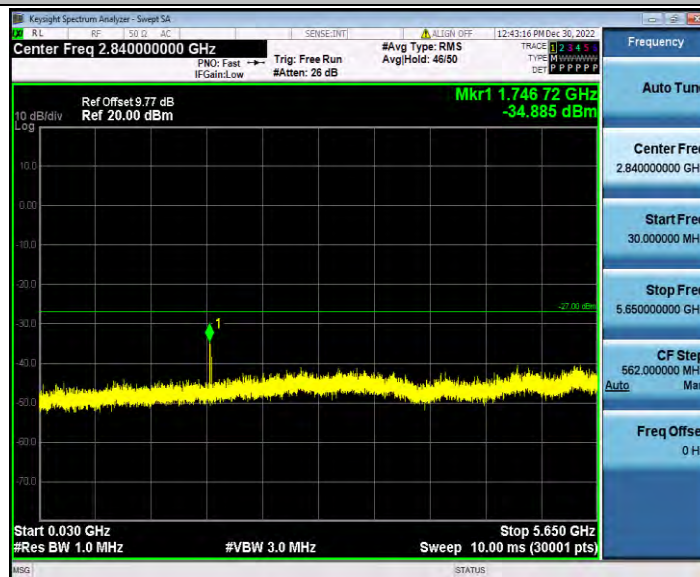
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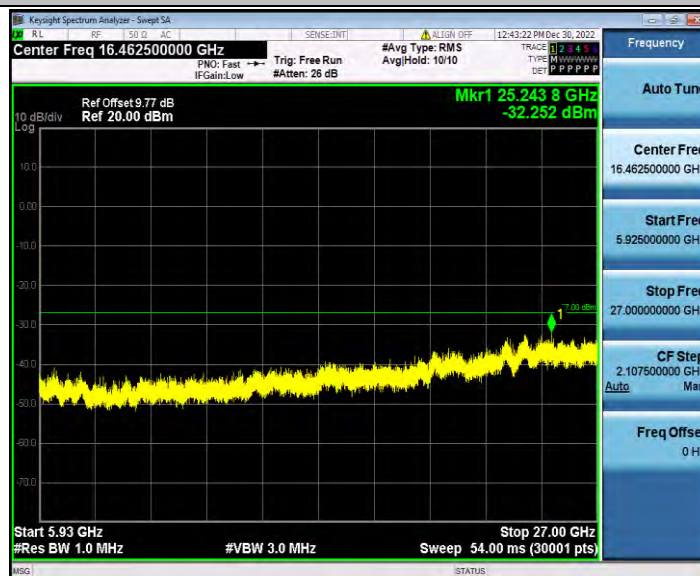
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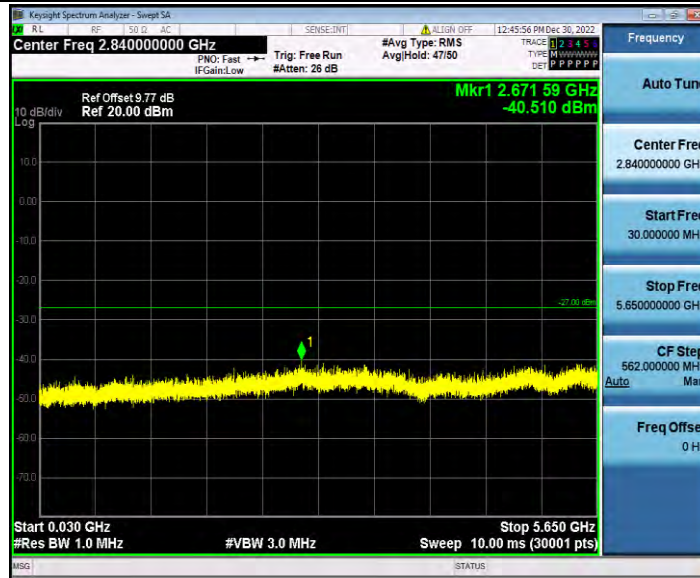
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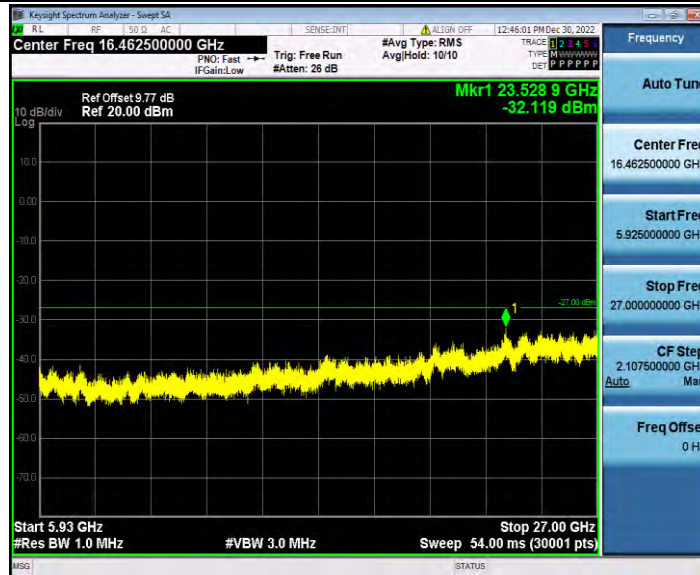
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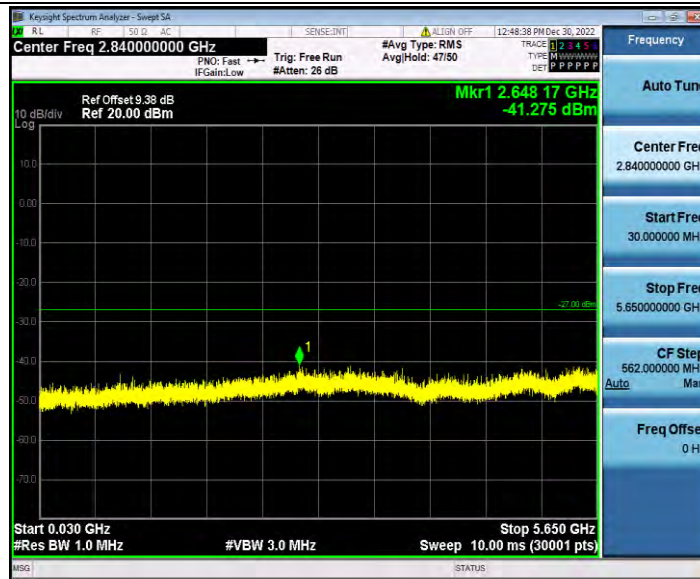
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11N20SISO_Ant1_5825_5925~40000



11N40SISO_Ant1_5755_30~5650



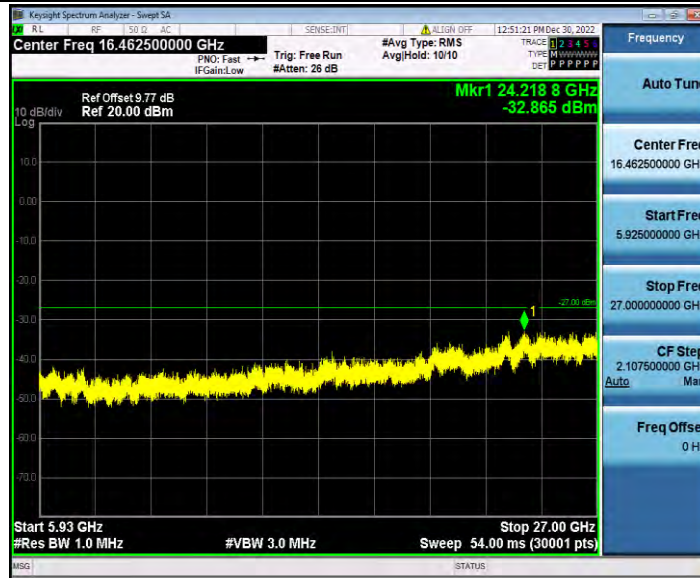
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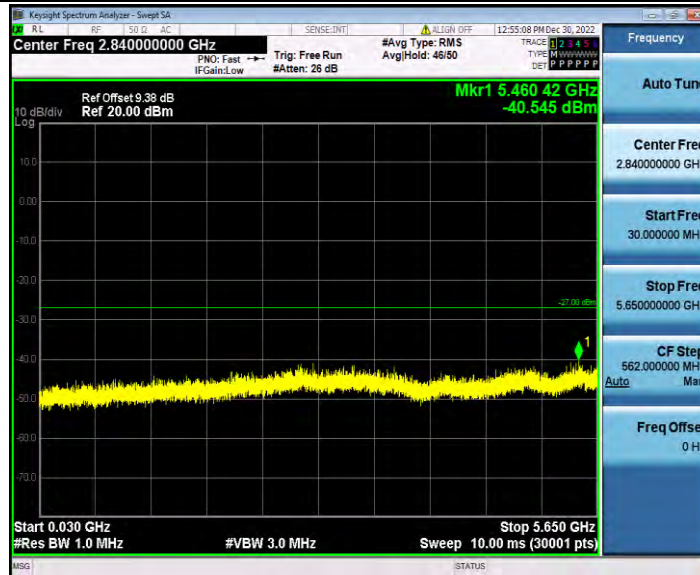
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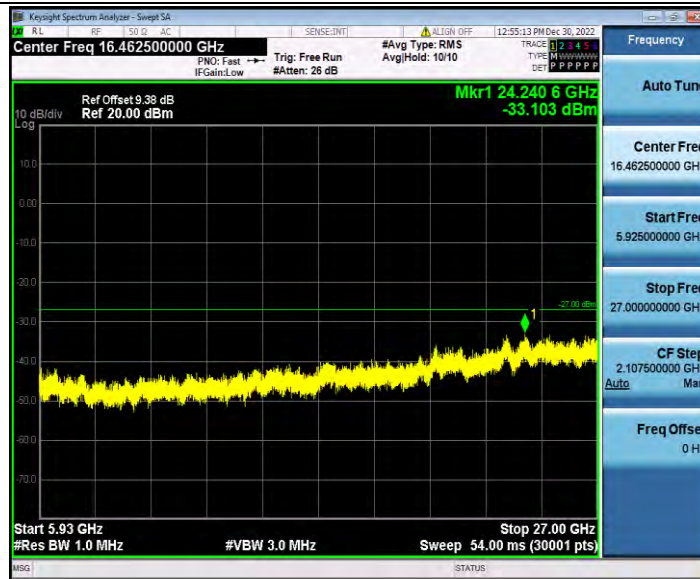
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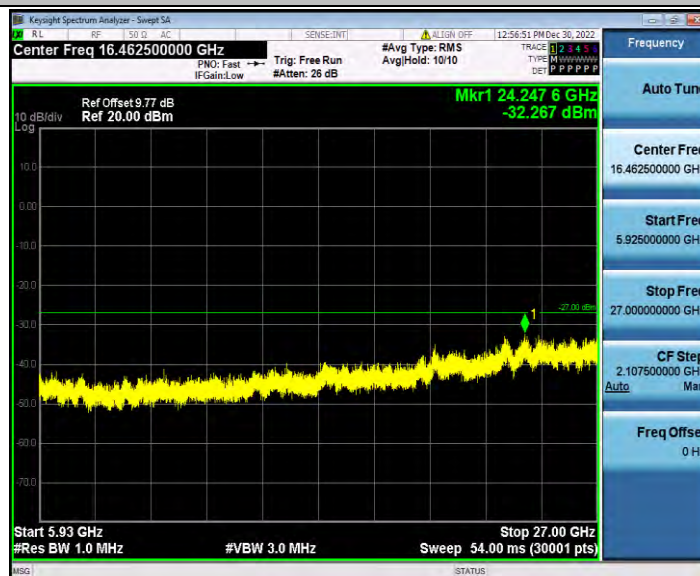
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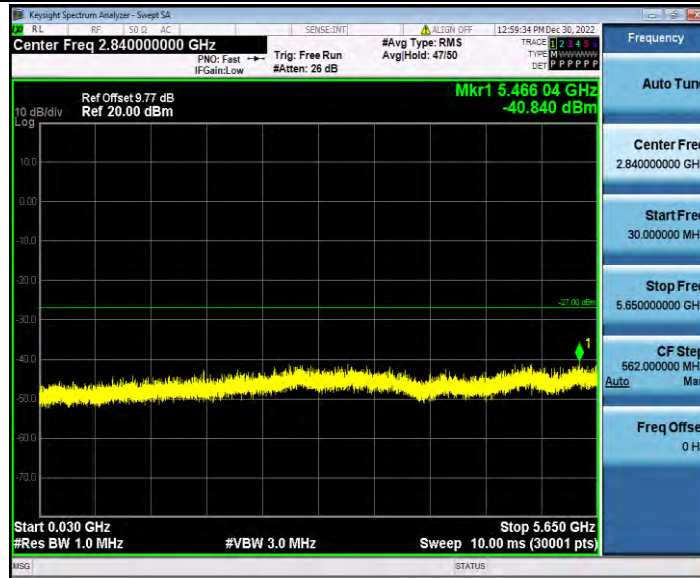
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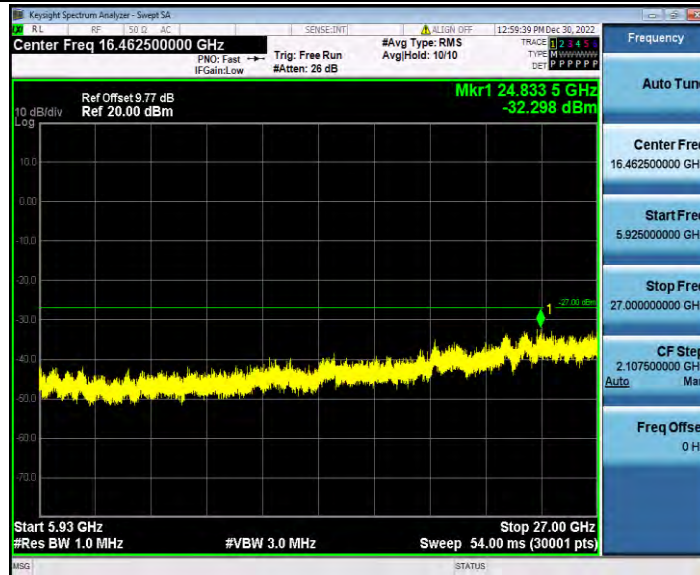
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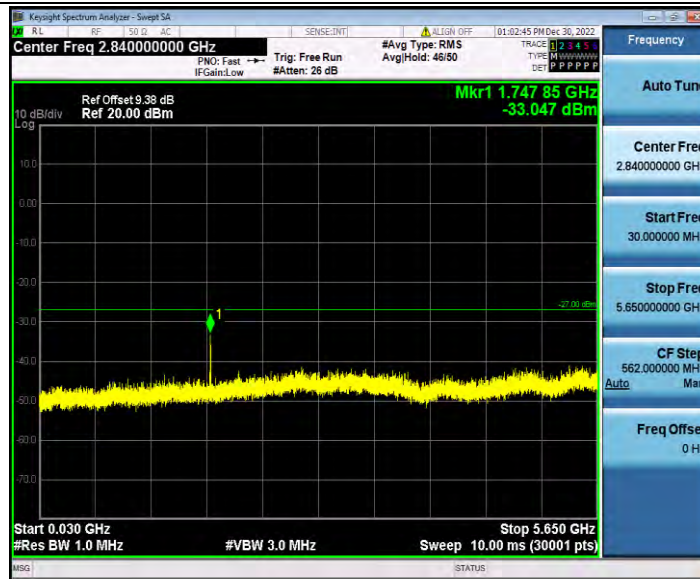
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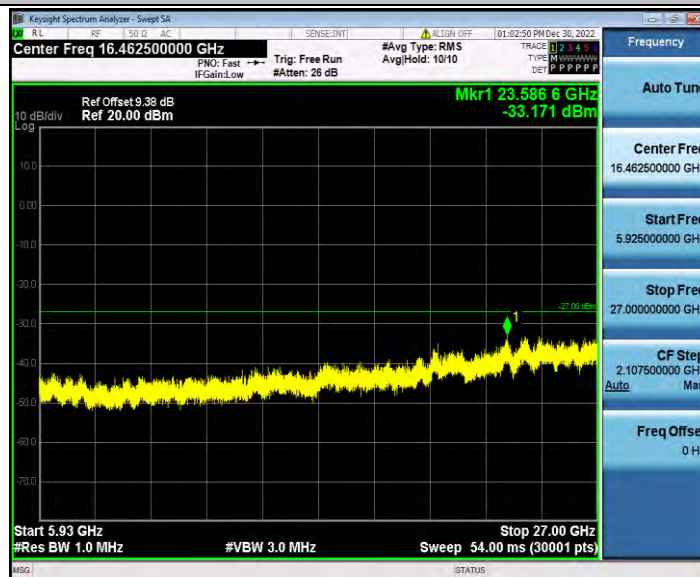
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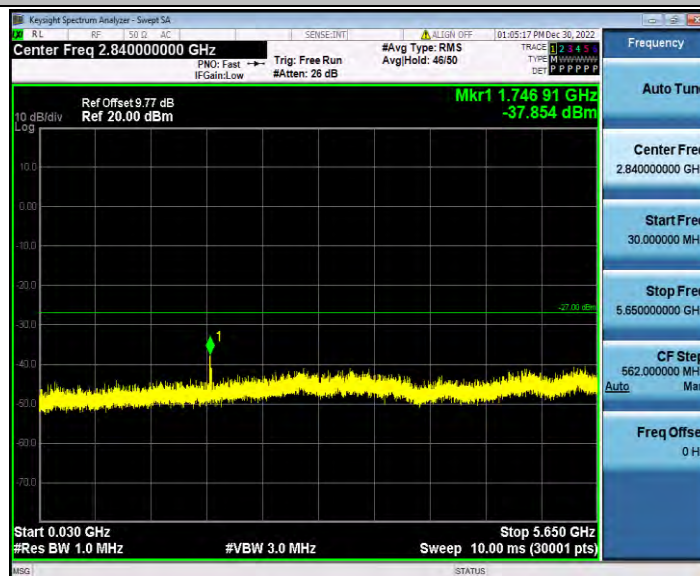
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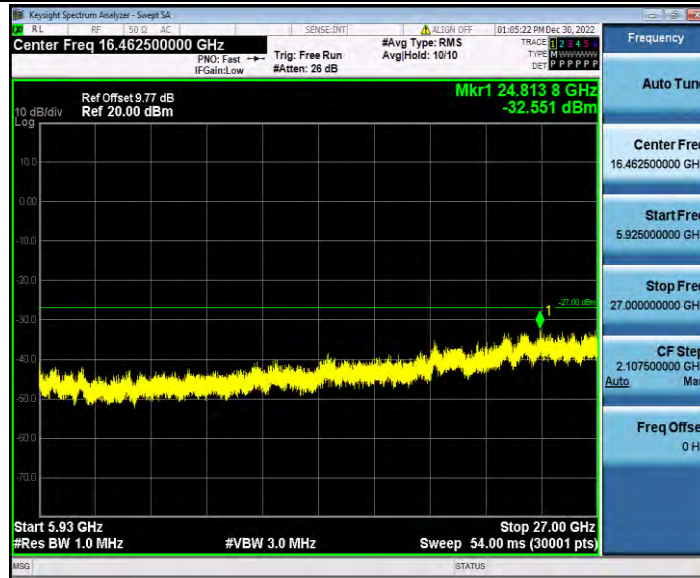
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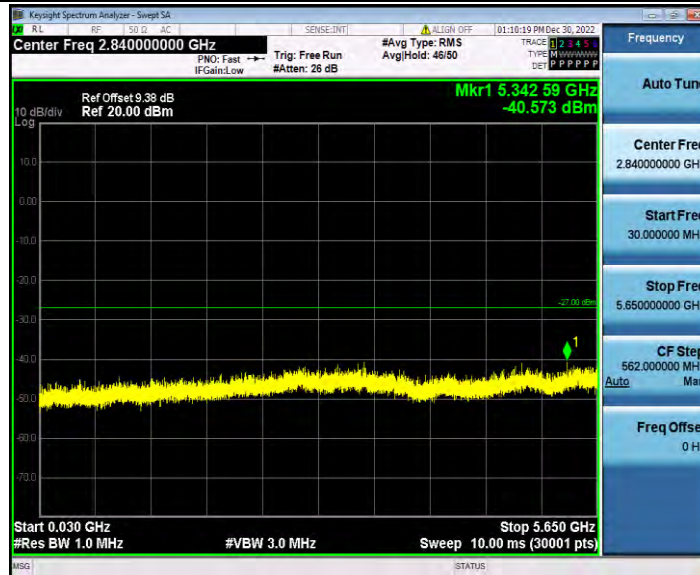
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11AC40SISO_Ant1_5795_5925~40000



11AC80SISO_Ant1_5775_30~5650



11AC80SISO_Ant1_5775_5925~40000

