

Case No. : <u>GTS20211218008-1-36</u>	
Ambient Condition: <u>25.5</u> °C, <u>50</u> %RH, Atmos100.1Kpa	
Test Date: <u>2022.8.5</u>	Test Engineer: <u>Jenny zeng</u>

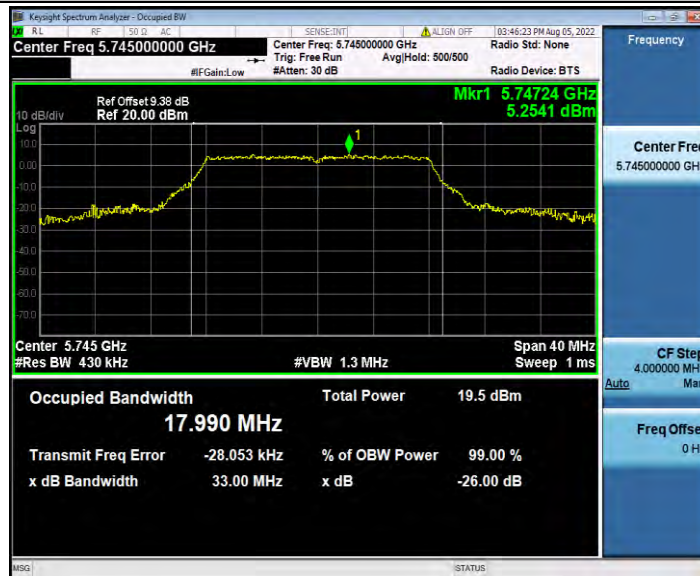
Appendix G.1: Occupied channel bandwidth

Test Result

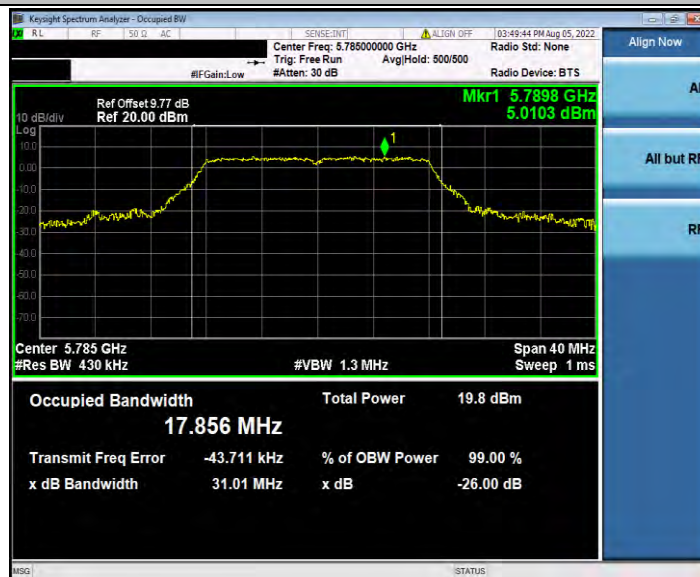
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.990	5735.977	5753.967	---	---
		5785	17.767	5776.073	5793.840	---	---
		5825	17.805	5816.113	5833.918	---	---
11N20SISO	Ant1	5745	18.343	5735.792	5754.135	---	---
		5785	18.258	5775.867	5794.125	---	---
		5825	18.232	5815.906	5834.138	---	---
11N40SISO	Ant1	5755	36.600	5736.680	5773.280	---	---
		5795	36.633	5776.663	5813.296	---	---
11AC20SISO	Ant1	5745	18.358	5735.772	5754.130	---	---
		5785	18.336	5775.773	5794.109	---	---
		5825	18.329	5815.833	5834.162	---	---
11AC40SISO	Ant1	5755	36.897	5736.497	5773.394	---	---
		5795	36.849	5776.503	5813.352	---	---
11AC80SISO	Ant1	5775	75.900	5737.155	5813.055	---	---

Test Graphs

11A_Ant1_5745



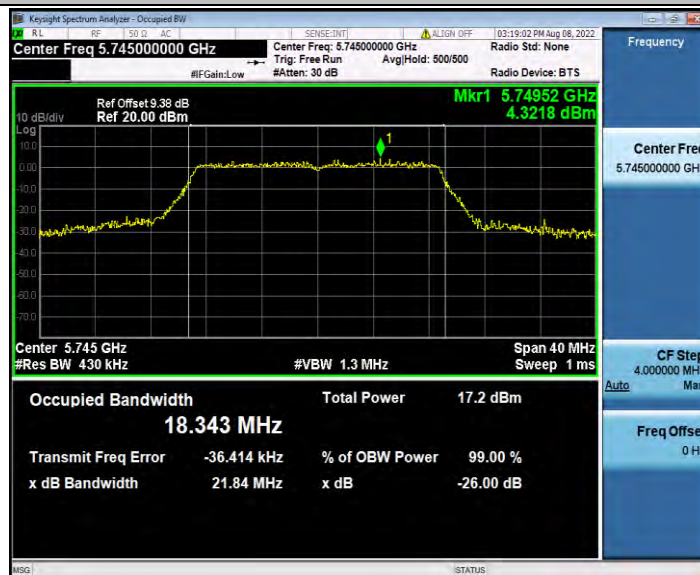
11A_Ant1_5785



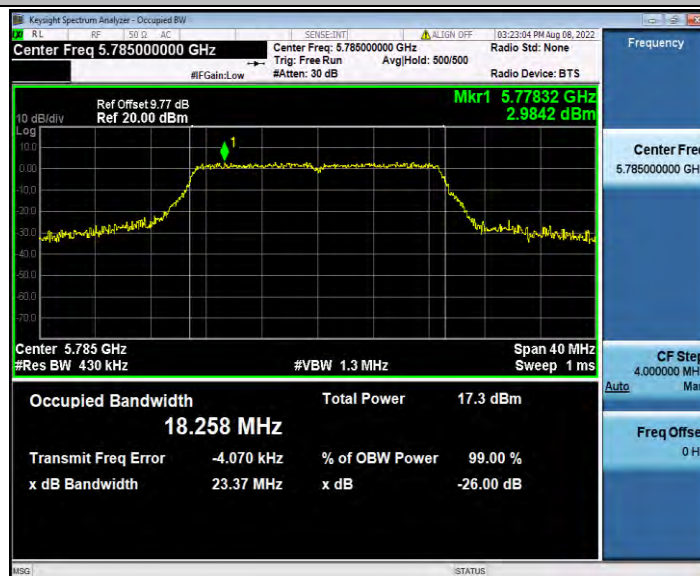
11A_Ant1_5825



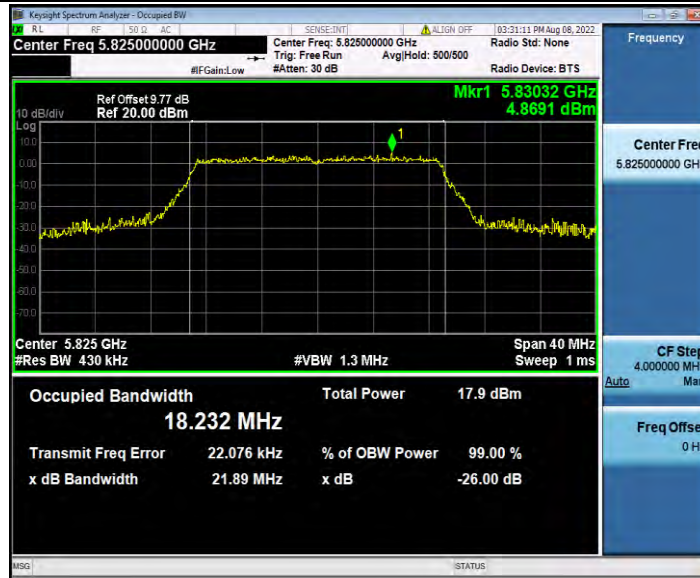
11N20SISO_Ant1_5745



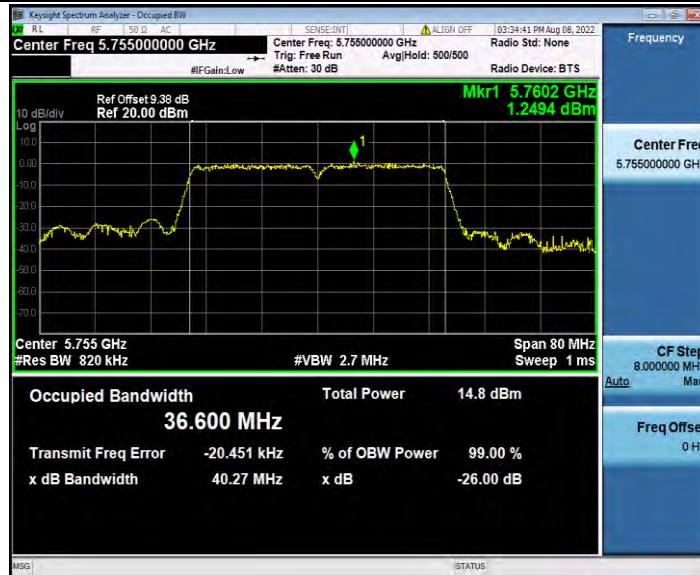
11N20SISO_Ant1_5785



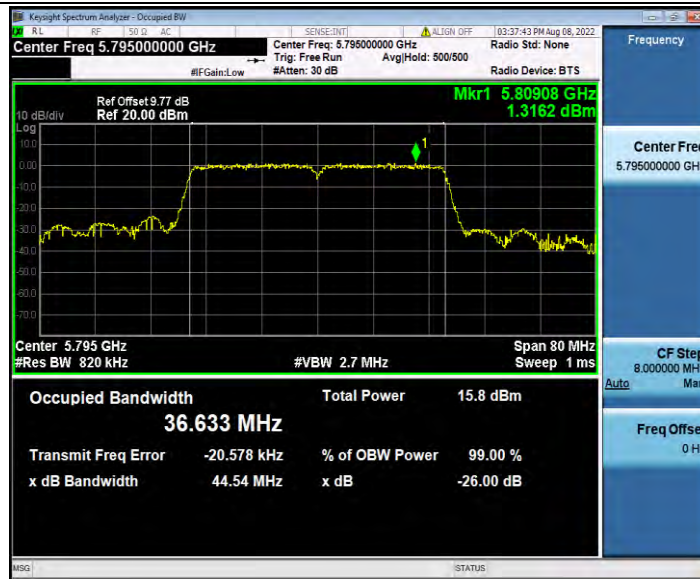
11N20SISO_Ant1_5825



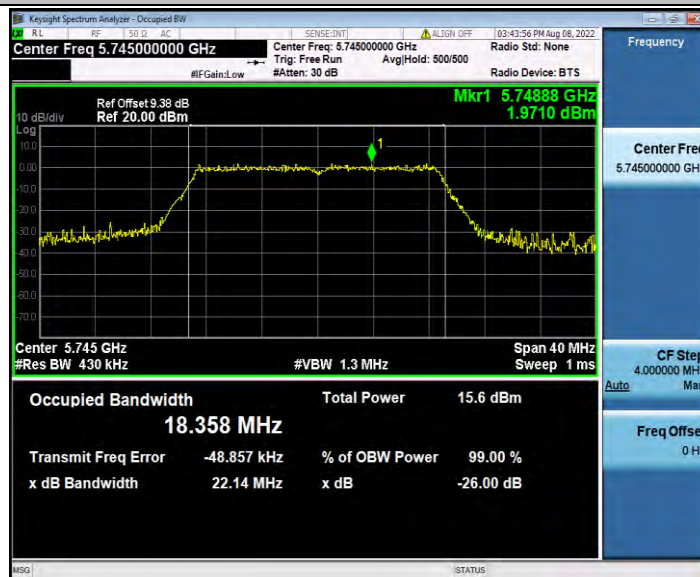
11N40SISO_Ant1_5755



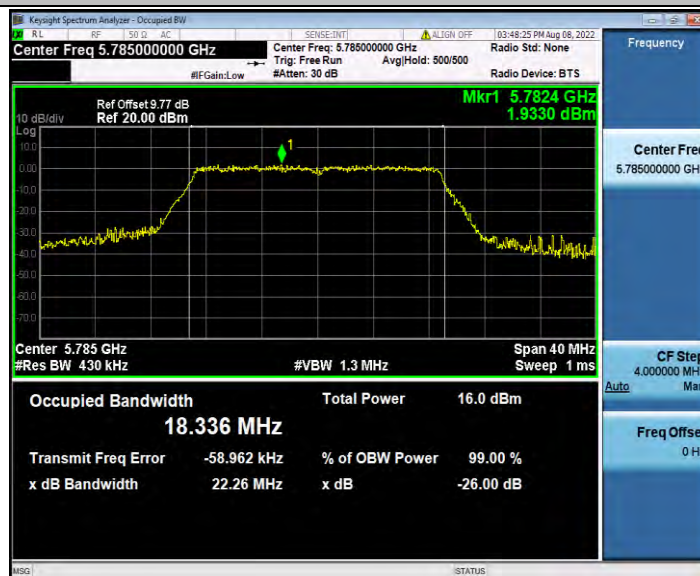
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



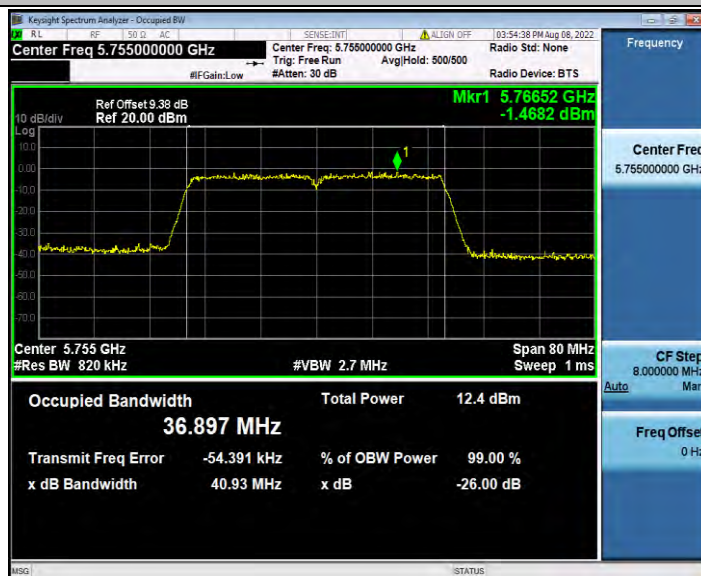
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



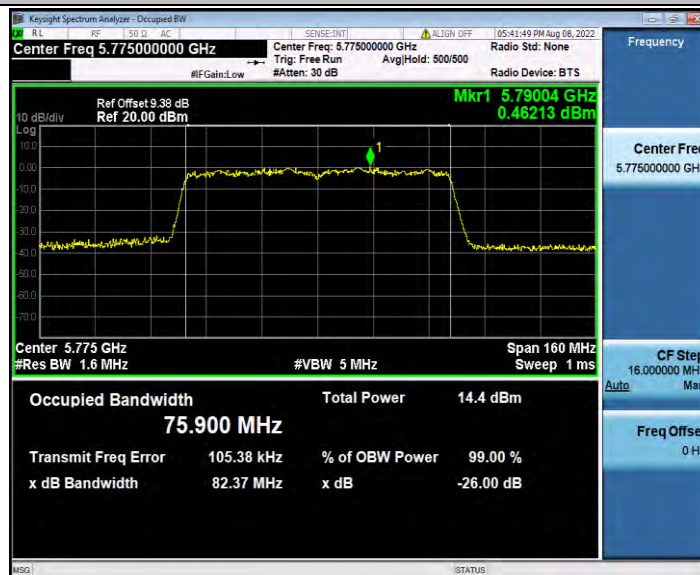
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



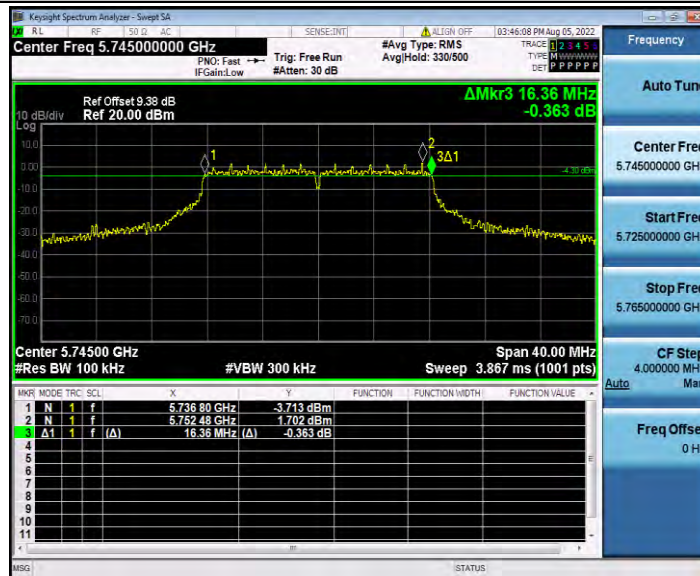
Appendix G.2: Min emission bandwidth

Test Result B4

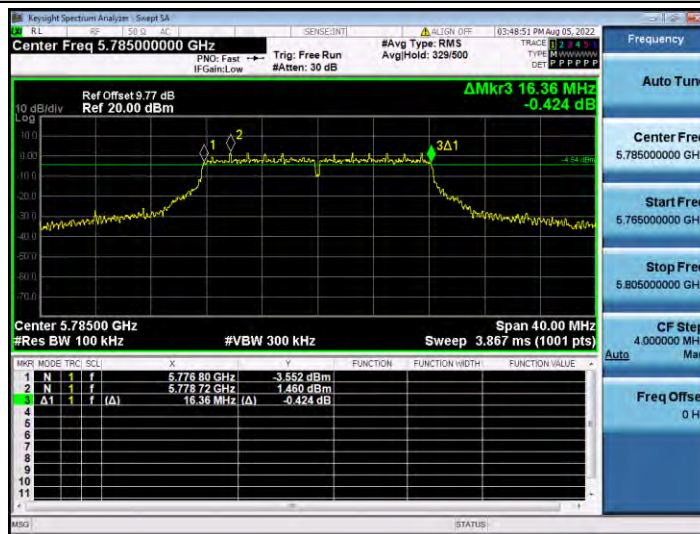
TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.360	5736.800	5753.160	0.5	PASS
		5785	16.360	5776.800	5793.160	0.5	PASS
		5825	16.360	5816.800	5833.160	0.5	PASS
11N20SISO	Ant1	5745	17.720	5736.120	5753.840	0.5	PASS
		5785	17.720	5776.120	5793.840	0.5	PASS
		5825	17.720	5816.120	5833.840	0.5	PASS
11N40SISO	Ant1	5755	36.320	5736.840	5773.160	0.5	PASS
		5795	36.400	5776.760	5813.160	0.5	PASS
11AC20SISO	Ant1	5745	17.680	5736.160	5753.840	0.5	PASS
		5785	17.680	5776.120	5793.800	0.5	PASS
		5825	17.680	5816.160	5833.840	0.5	PASS
11AC40SISO	Ant1	5755	36.480	5736.760	5773.240	0.5	PASS
		5795	36.400	5776.760	5813.160	0.5	PASS
11AC80SISO	Ant1	5775	75.680	5737.400	5813.080	0.5	PASS

Test Graphs B4

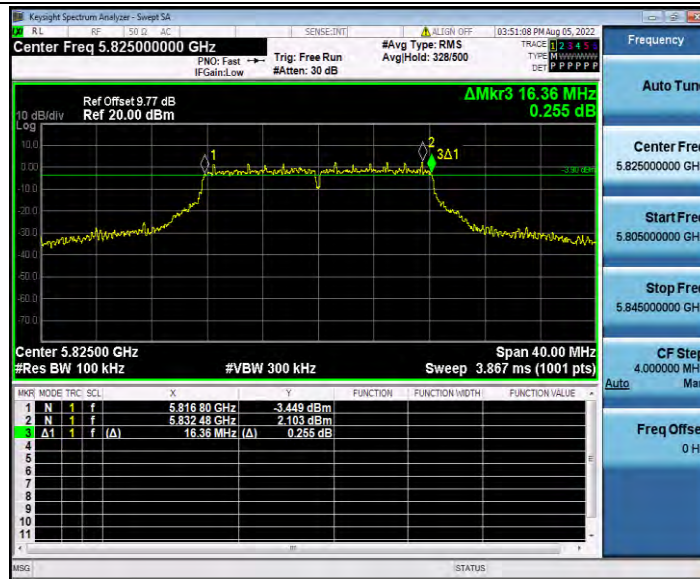
11A_Ant1_5745



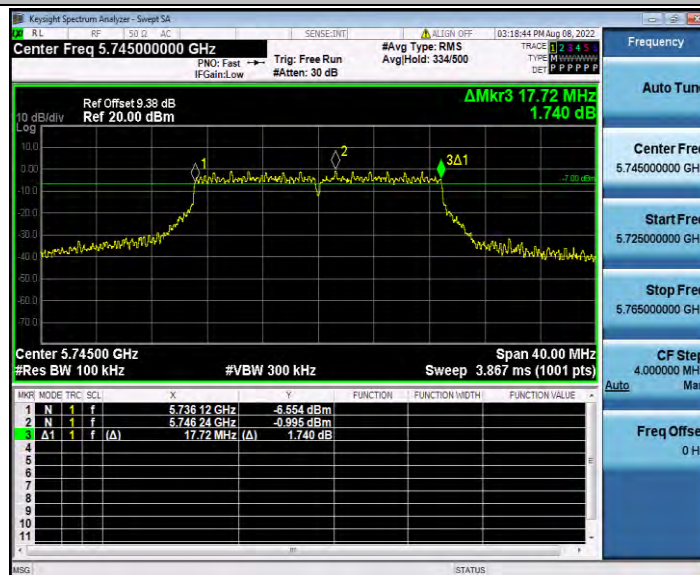
11A_Ant1_5785



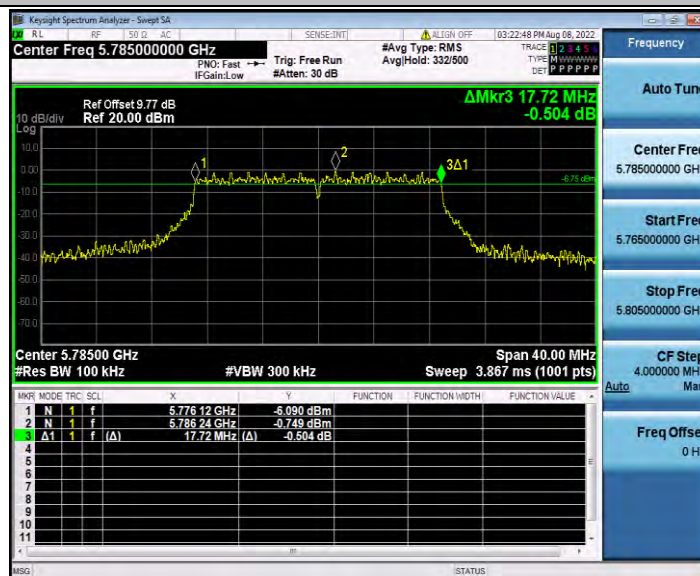
11A_Ant1_5825



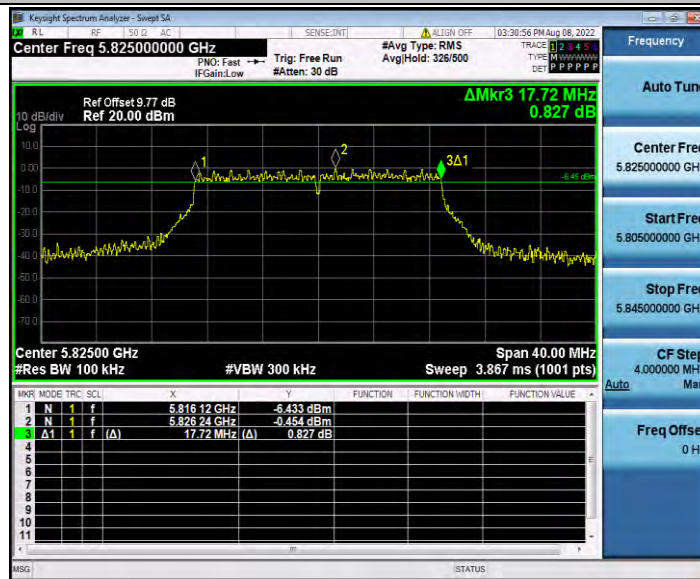
11N20SISO_Ant1_5745



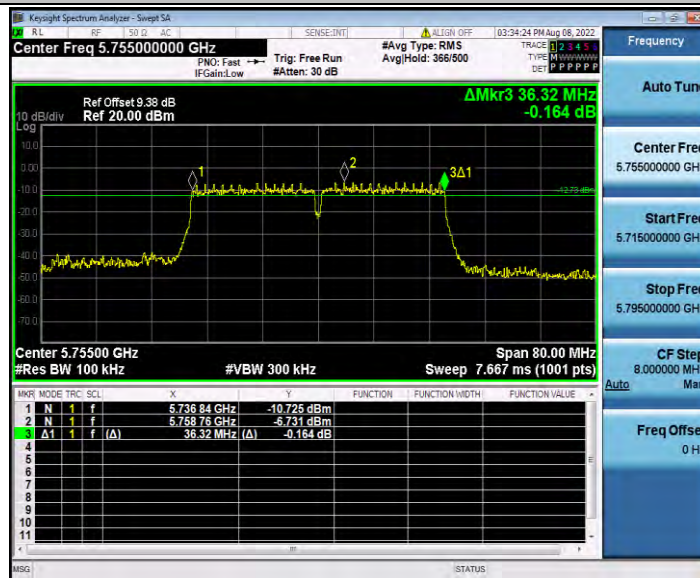
11N20SISO_Ant1_5785



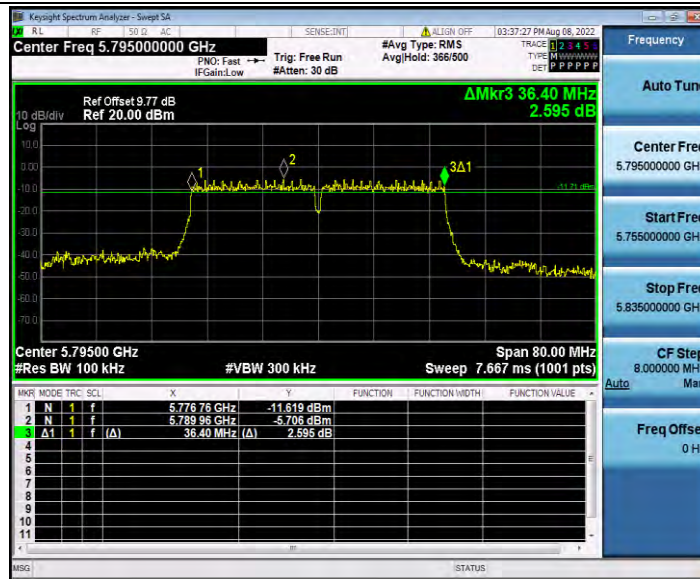
11N20SISO_Ant1_5825



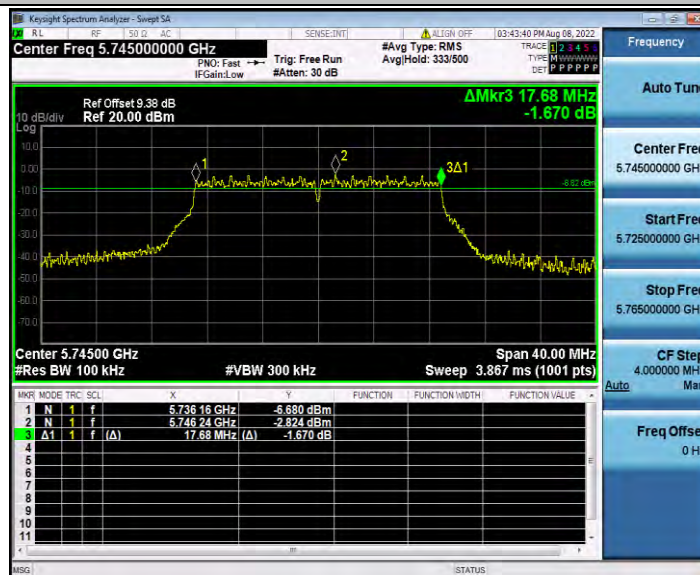
11N40SISO_Ant1_5755



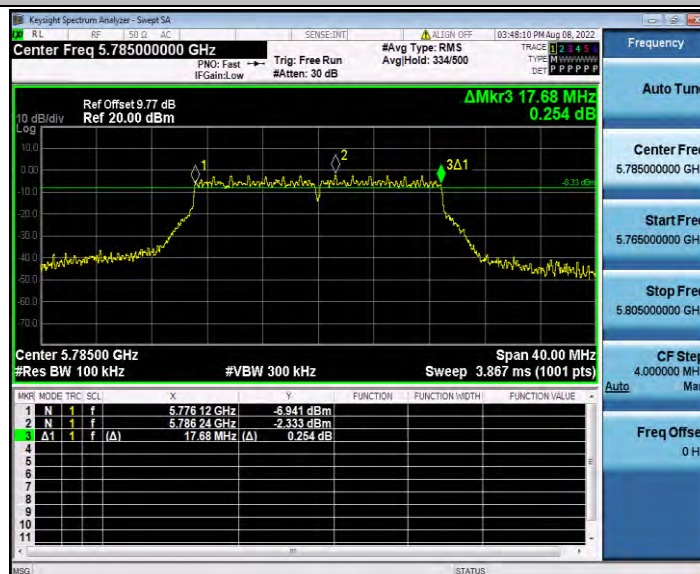
11N40SISO_Ant1_5795



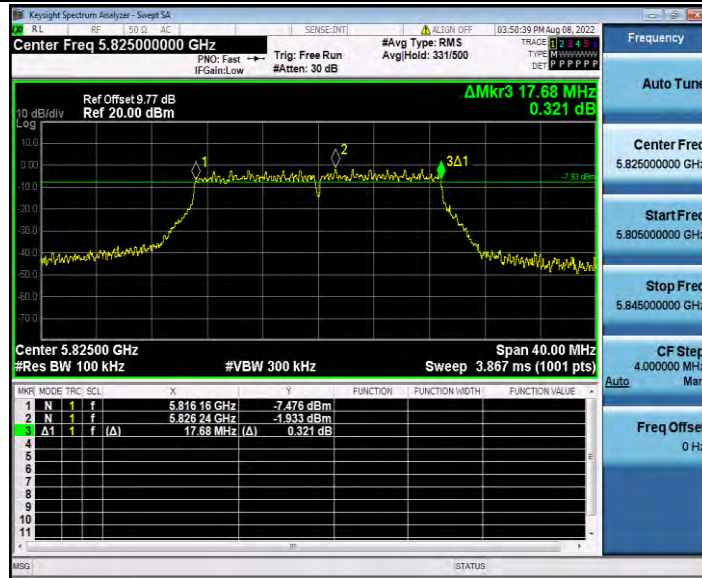
11AC20SISO_Ant1_5745



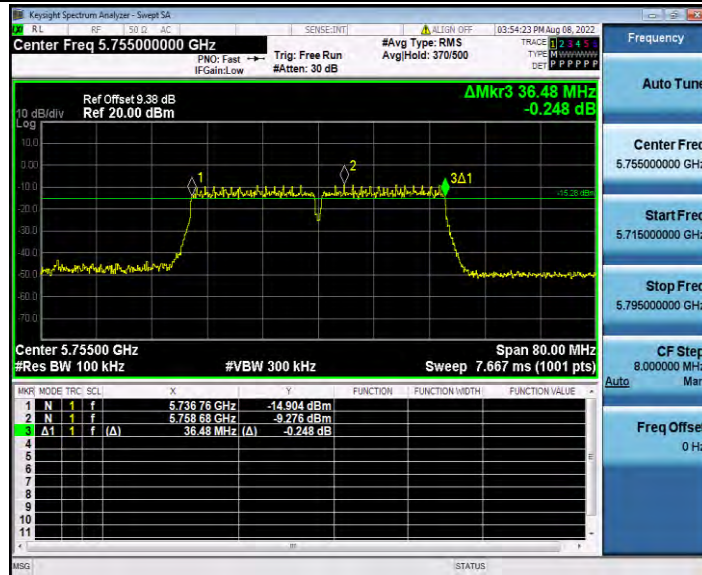
11AC20SISO_Ant1_5785



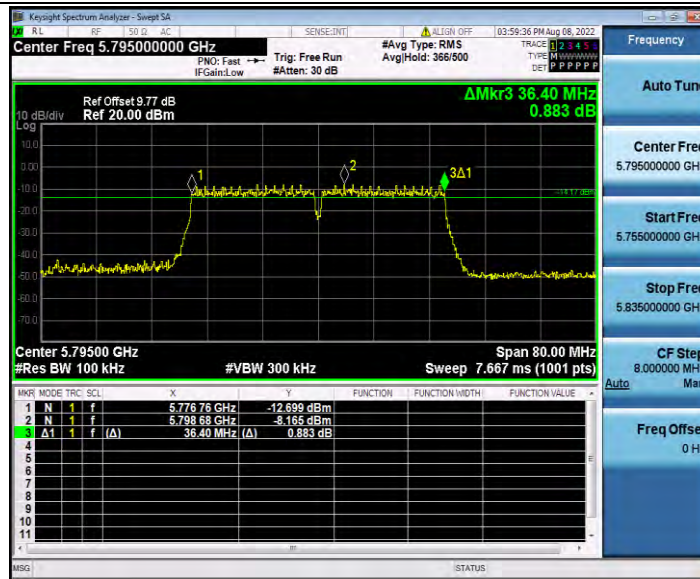
11AC20SISO_Ant1_5825



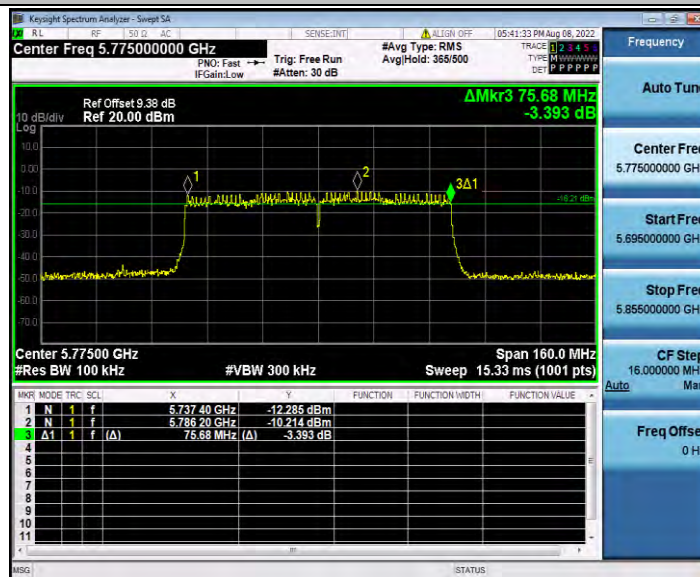
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



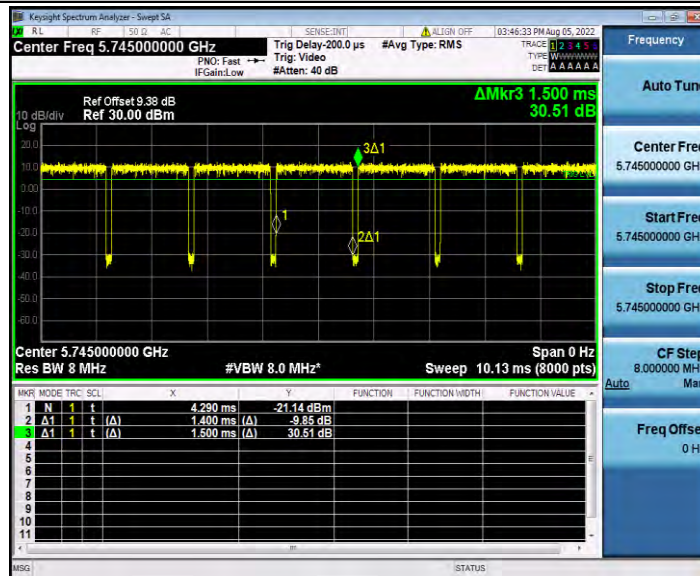
Appendix G.3: Duty Cycle

Test Result

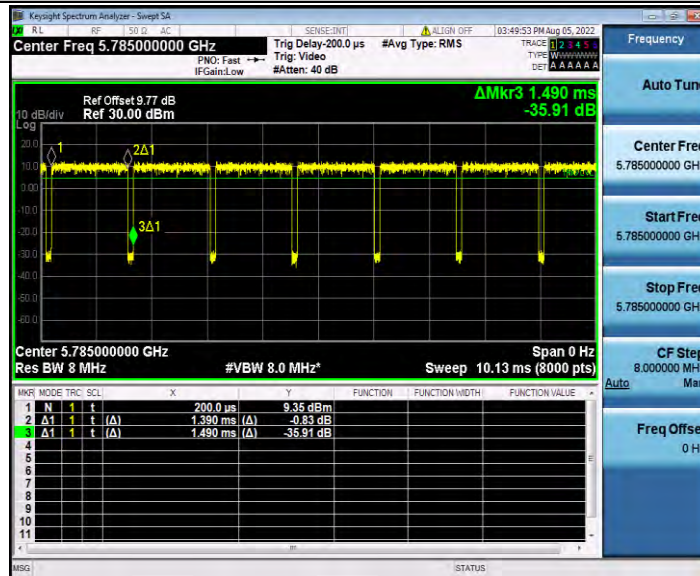
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5745	1.40	1.50	93.33
		5785	1.39	1.49	93.29
		5825	1.40	1.50	93.33
11N20SISO	Ant1	5745	0.16	0.26	61.54
		5785	0.16	0.27	59.26
		5825	0.16	0.26	61.54
11N40SISO	Ant1	5755	0.10	0.20	50.00
		5795	0.10	0.20	50.00
11AC20SISO	Ant1	5745	0.15	0.25	60.00
		5785	0.15	0.25	60.00
		5825	0.15	0.25	60.00
11AC40SISO	Ant1	5755	0.09	0.19	47.37
		5795	0.09	0.19	47.37
11AC80SISO	Ant1	5775	0.06	0.16	37.50

Test Graphs

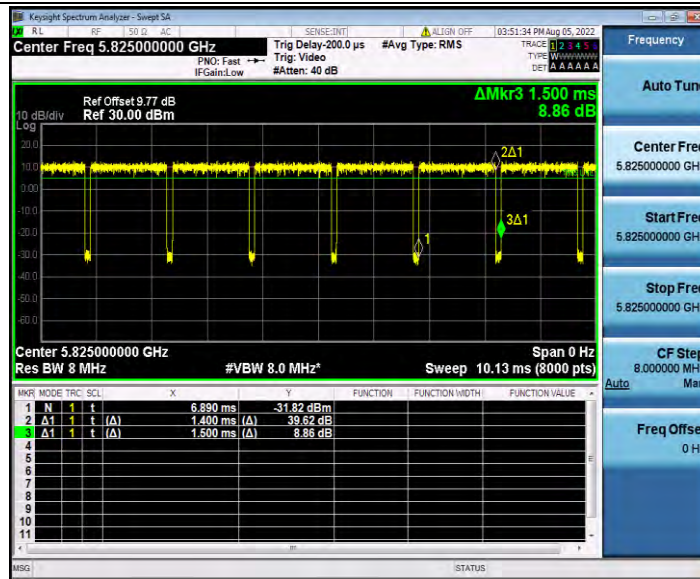
11A_Ant1_5745



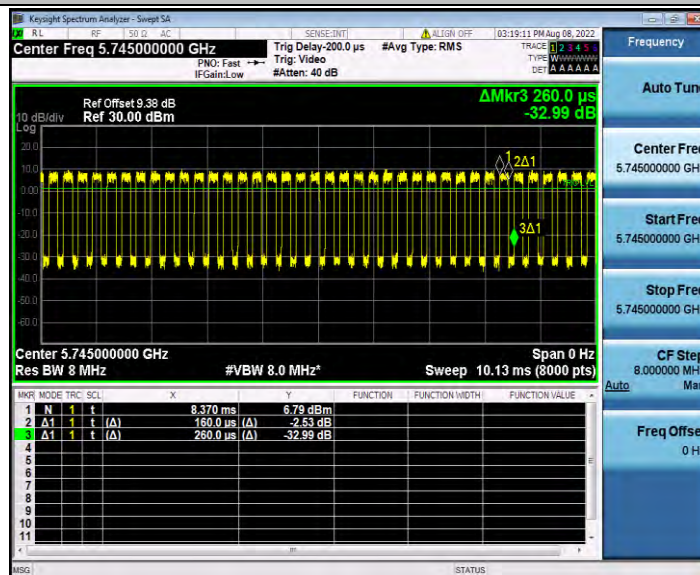
11A_Ant1_5785



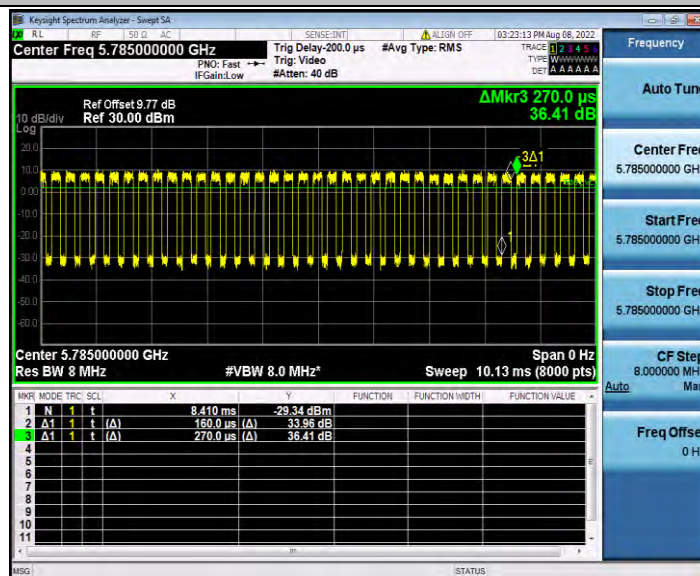
11A_Ant1_5825



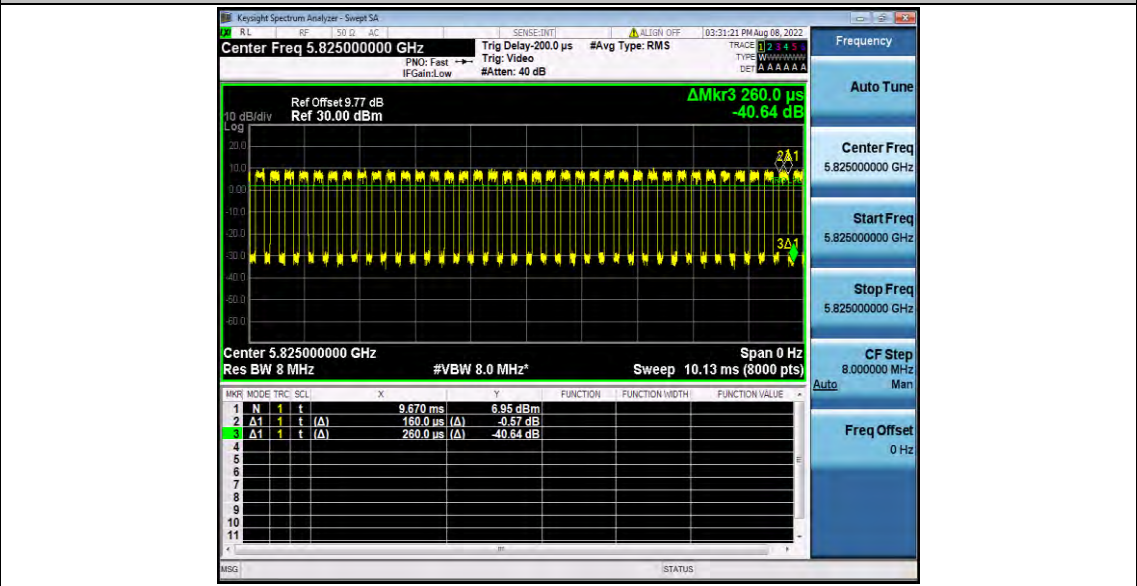
11N20SISO_Ant1_5745



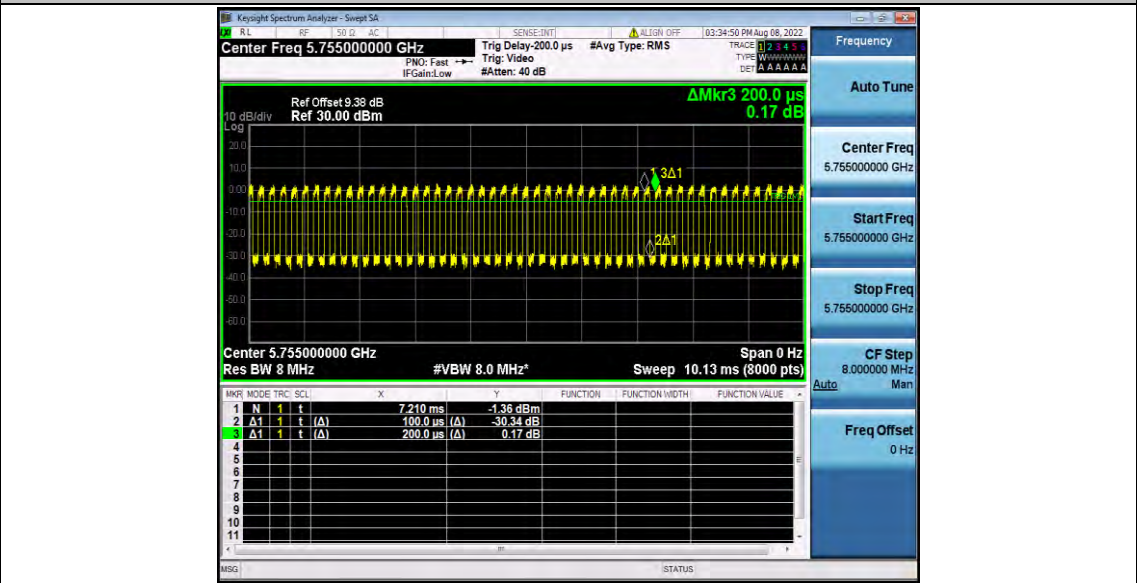
11N20SISO_Ant1_5785



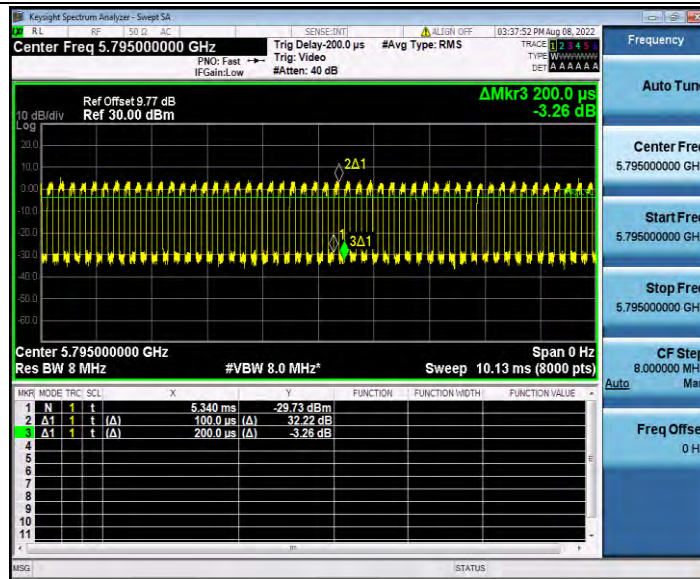
11N20SISO_Ant1_5825



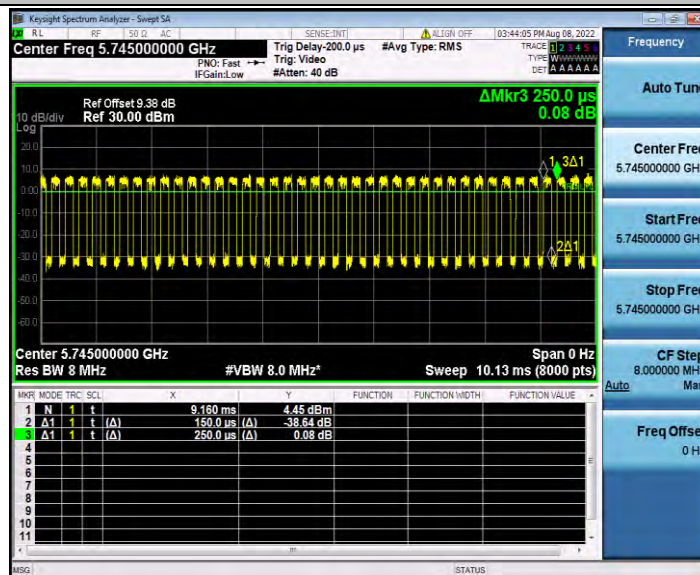
11N40SISO_Ant1_5755



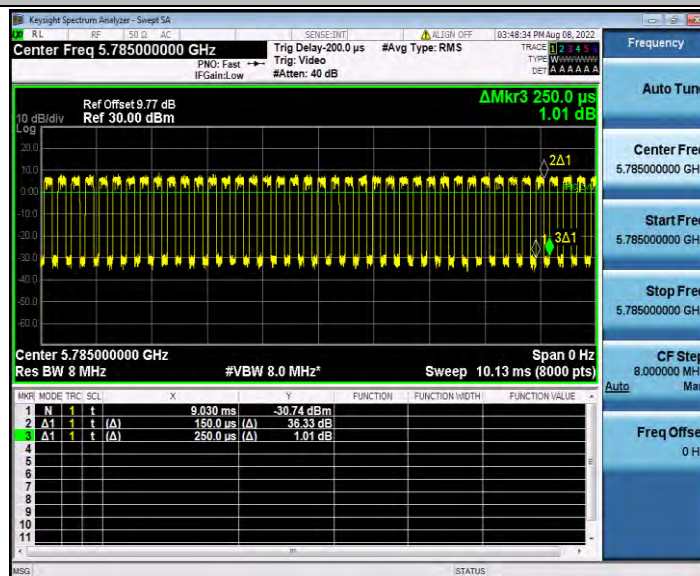
11N40SISO_Ant1_5795



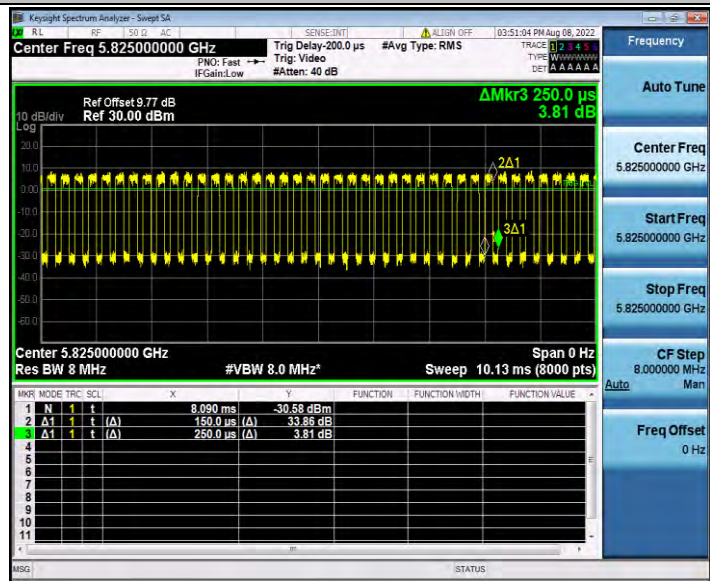
11AC20SISO_Ant1_5745



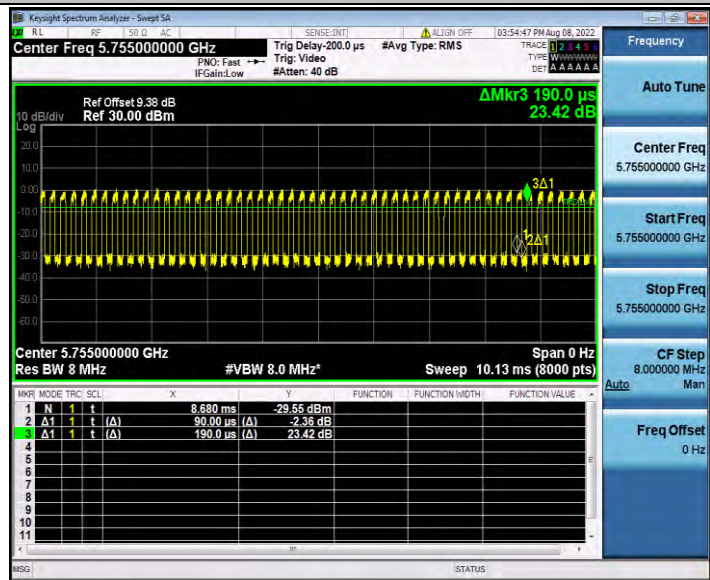
11AC20SISO_Ant1_5785



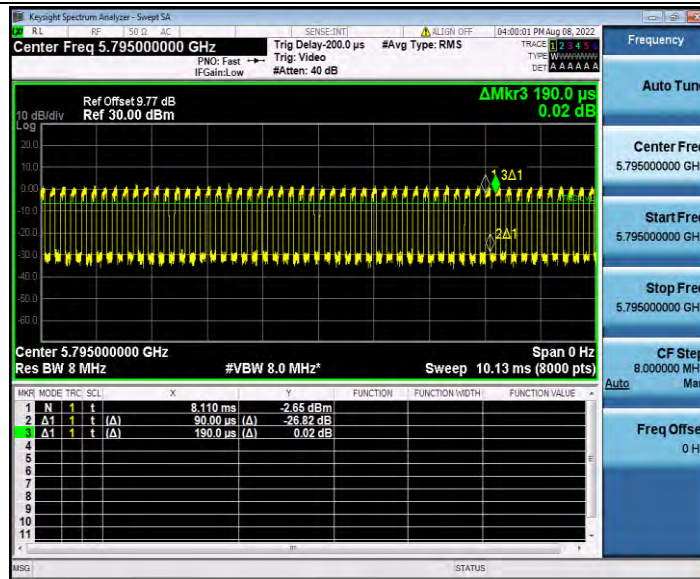
11AC20SISO_Ant1_5825



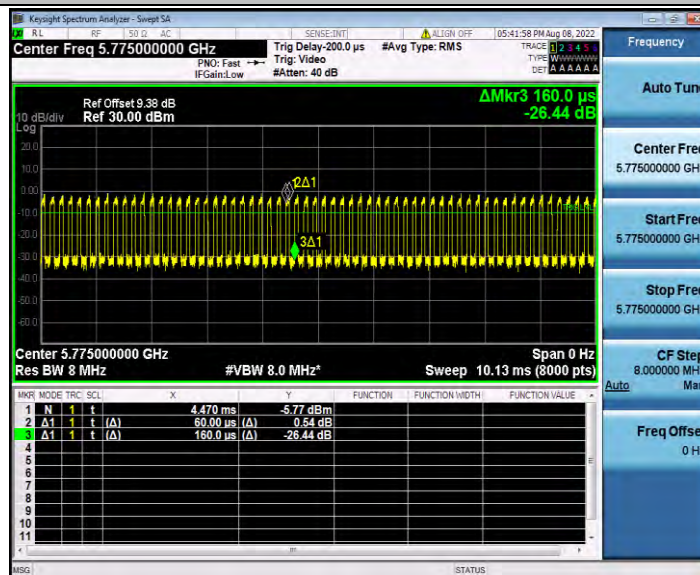
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



Appendix G.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[MHz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	12.45	93.33	0.30	12.75	≤30.00	PASS
		5785	12.81	93.29	0.30	13.11	≤30.00	PASS
		5825	13.11	93.33	0.30	13.41	≤30.00	PASS
11N20SISO	Ant1	5745	7.90	61.54	2.11	10.01	≤30.00	PASS
		5785	8.13	59.26	2.27	10.40	≤30.00	PASS
		5825	8.74	61.54	2.11	10.85	≤30.00	PASS
11N40SISO	Ant1	5755	7.13	50.00	3.01	10.14	≤30.00	PASS
		5795	6.22	50.00	3.01	9.23	≤30.00	PASS
11AC20SISO	Ant1	5745	7.19	60.00	2.22	9.41	≤30.00	PASS
		5785	7.61	60.00	2.22	9.83	≤30.00	PASS
		5825	7.98	60.00	2.22	10.20	≤30.00	PASS
11AC40SISO	Ant1	5755	5.53	47.37	3.24	8.77	≤30.00	PASS
		5795	5.78	47.37	3.24	9.02	≤30.00	PASS
11AC80SISO	Ant1	5775	4.28	37.50	4.26	8.54	≤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	5.39	≤30.00	PASS
		5785	5.95	≤30.00	PASS
		5825	5.97	≤30.00	PASS
11N20SISO	Ant1	5745	5.31	≤30.00	PASS
		5785	6.30	≤30.00	PASS
		5825	6.03	≤30.00	PASS
11N40SISO	Ant1	5755	0.24	≤30.00	PASS
		5795	1.28	≤30.00	PASS
11AC20SISO	Ant1	5745	3.68	≤30.00	PASS
		5785	3.63	≤30.00	PASS
		5825	3.92	≤30.00	PASS
11AC40SISO	Ant1	5755	-2.52	≤30.00	PASS
		5795	-1.19	≤30.00	PASS
11AC80SISO	Ant1	5775	-3.32	≤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



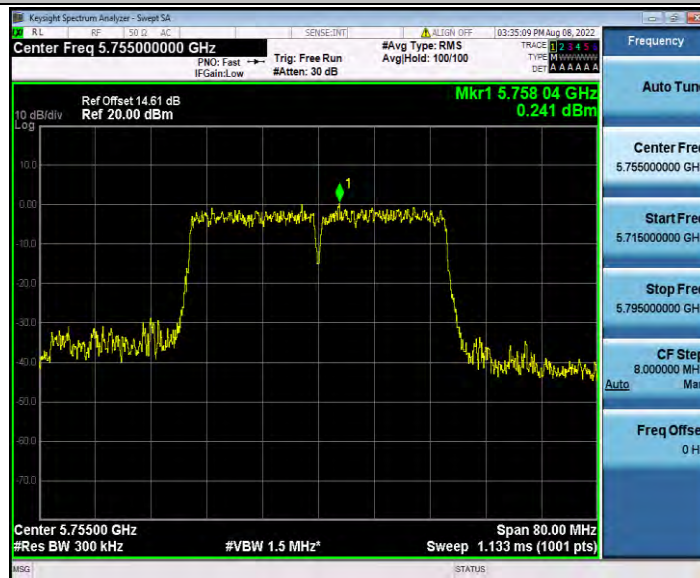
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



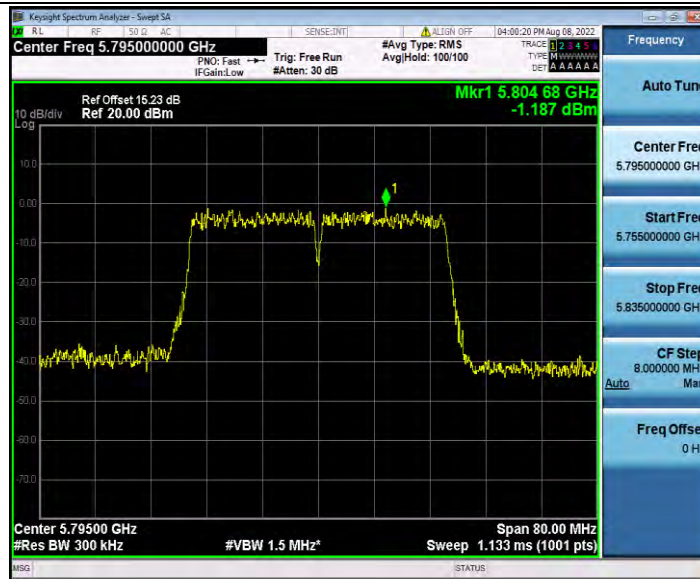
11AC20SISO_Ant1_5825



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	-35.14	≤6.32	PASS
				5700~5720	-24.58	≤14.85	PASS
				5720~5725	-18.04	≤26.83	PASS
				5760~5650	-40.29	≤-27	PASS
		High	5825	5850~5855	-24.29	≤17.64	PASS
				5855~5875	-27.99	≤10.66	PASS
				5875~5925	-34.86	≤-13.47	PASS
				5925~5935	-37.92	≤-27	PASS
11N20SI SO	Ant1	Low	5745	5650~5700	-36.88	≤-7.30	PASS
				5700~5720	-28.32	≤15.59	PASS
				5720~5725	-24.96	≤26.04	PASS
				5760~5650	-40.02	≤-27	PASS
		High	5825	5850~5855	-29.47	≤18.87	PASS
				5855~5875	-33.99	≤10.21	PASS
				5875~5925	-35.6	≤-4.68	PASS
				5925~5935	-37.5	≤-27	PASS
11N40SI SO	Ant1	Low	5755	5650~5700	-37.89	≤9.46	PASS
				5700~5720	-28.03	≤15.05	PASS
				5720~5725	-26.95	≤24.36	PASS
				5780~5650	-40.06	≤-27	PASS
		High	5795	5850~5855	-36.86	≤18.29	PASS
				5855~5875	-36.09	≤12.67	PASS
				5875~5925	-37.5	≤-24.60	PASS
				5925~5935	-38.86	≤-27	PASS
11AC20S ISO	Ant1	Low	5745	5650~5700	-36.59	≤-10.62	PASS
				5700~5720	-32.49	≤15.50	PASS
				5720~5725	-27.68	≤26.04	PASS
				5760~5650	-40.04	≤-27	PASS
		High	5825	5850~5855	-33.28	≤17.03	PASS
				5855~5875	-34.86	≤10.25	PASS
				5875~5925	-35.83	≤-11.27	PASS
				5925~5935	-38.57	≤-27	PASS
11AC40S ISO	Ant1	Low	5755	5650~5700	-38.87	≤7.76	PASS
				5700~5720	-34.32	≤14.41	PASS
				5720~5725	-35.23	≤24.97	PASS

		High	5795	5780~5650	-39.56	≤ -27	PASS
				5850~5855	-38.6	≤ 26.19	PASS
				5855~5875	-36.38	≤ 15.12	PASS
				5875~5925	-37.93	≤ -21.79	PASS
				5925~5935	-37.95	≤ -27	PASS
11AC80S ISO	Ant1	Low	5775	5650~5700	-35.93	≤ 1.07	PASS
				5700~5720	-35.75	≤ 15.17	PASS
				5720~5725	-34.34	≤ 19.18	PASS
				5800~5650	-40.12	≤ -27	PASS
		High	5775	5850~5855	-39	≤ 20.43	PASS
				5855~5875	-38.03	≤ 12.09	PASS
				5875~5925	-38.31	≤ -19.15	PASS
				5925~5935	-39.63	≤ -27	PASS

Test Graphs B4

11A_Ant1_Low_5745



11A_Ant1_High_5825



11N20SISO_Ant1_Low_5745



11N20SISO_Ant1_High_5825



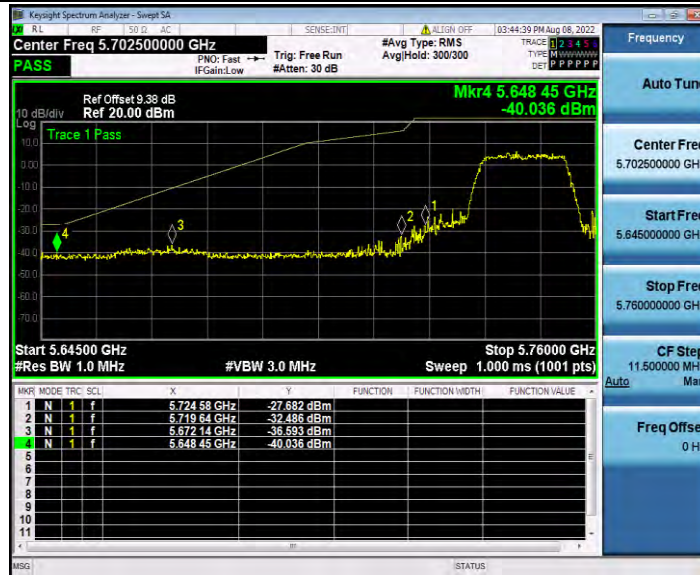
11N40SISO_Ant1_Low_5755



11N40SISO_Ant1_High_5795



11AC20SISO_Ant1_Low_5745



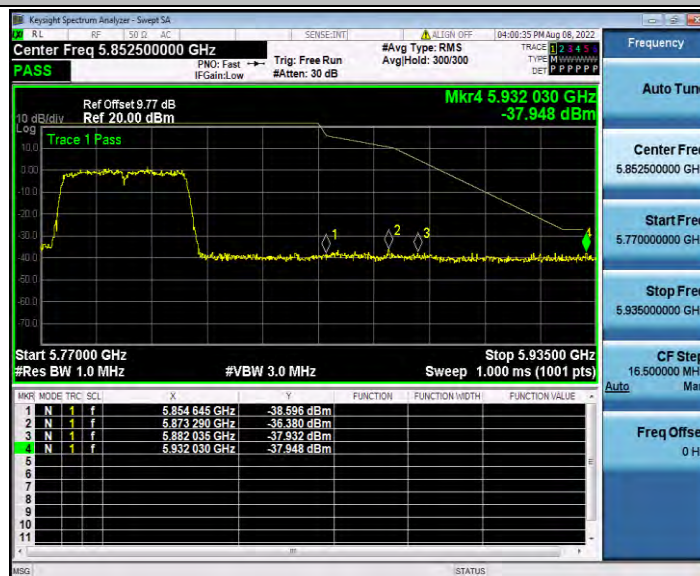
11AC20SISO_Ant1_High_5825



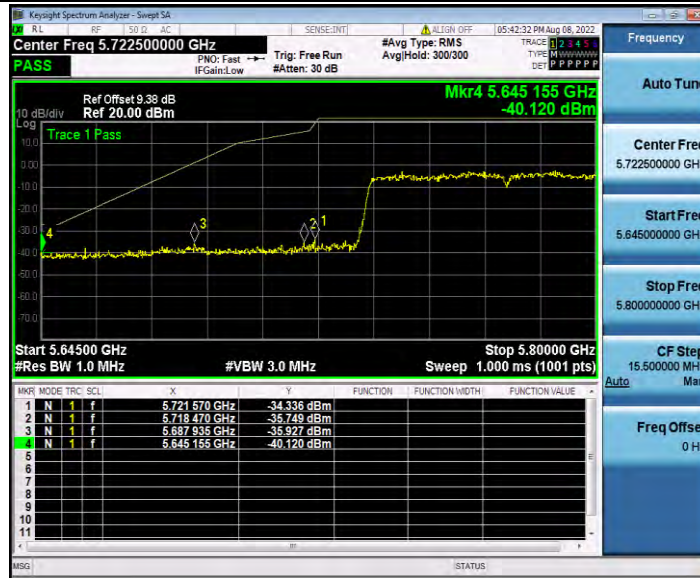
11AC40SISO_Ant1_Low_5755



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	5448.24	-39.81	≤-27	PASS
			5925~40000	23604.82	-33.16	≤-27	PASS
		5785	30~5650	5453.49	-40.08	≤-27	PASS
			5925~40000	24790.64	-31.9	≤-27	PASS
		5825	30~5650	5469.41	-40.37	≤-27	PASS
			5925~40000	26543.38	-31.31	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	5409.46	-40.22	≤-27	PASS
			5925~40000	24275	-31.94	≤-27	PASS
		5785	30~5650	4830.23	-40.56	≤-27	PASS
			5925~40000	24209.67	-31.83	≤-27	PASS
		5825	30~5650	2661.28	-40.55	≤-27	PASS
			5925~40000	25183.34	-32.4	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	3222.72	-40.66	≤-27	PASS
			5925~40000	25289.41	-32.69	≤-27	PASS
		5795	30~5650	4771.03	-40.85	≤-27	PASS
			5925~40000	25247.26	-32.09	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	5059.34	-40.54	≤-27	PASS
			5925~40000	24970.48	-32.33	≤-27	PASS
		5785	30~5650	5488.52	-40.36	≤-27	PASS
			5925~40000	26030.55	-31.9	≤-27	PASS
		5825	30~5650	5473.53	-40.44	≤-27	PASS
			5925~40000	24345.25	-32.39	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	5019.62	-41.02	≤-27	PASS
			5925~40000	24718.98	-32.63	≤-27	PASS
		5795	30~5650	4910.41	-39.7	≤-27	PASS
			5925~40000	26900.25	-32.24	≤-27	PASS
11AC80SISO	Ant1	5775	30~5650	4975.04	-41.28	≤-27	PASS
			5925~40000	24777.29	-32.72	≤-27	PASS

Test Graphs

11A_Ant1_5745_30~5650



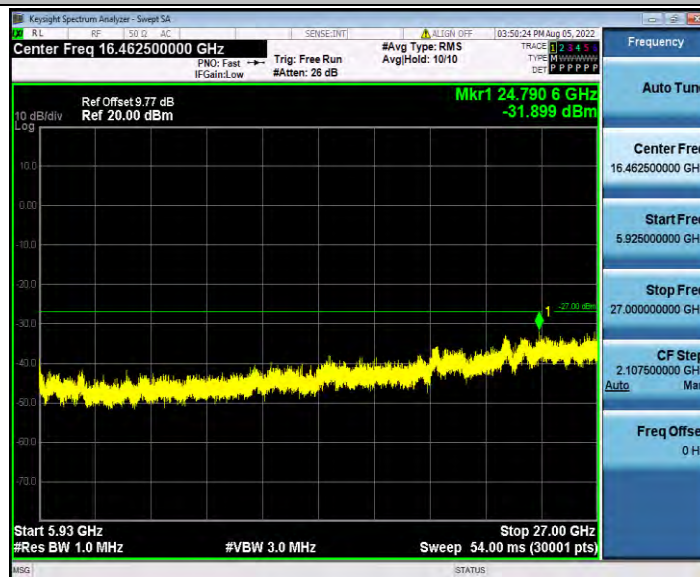
11A_Ant1_5745_5925~40000



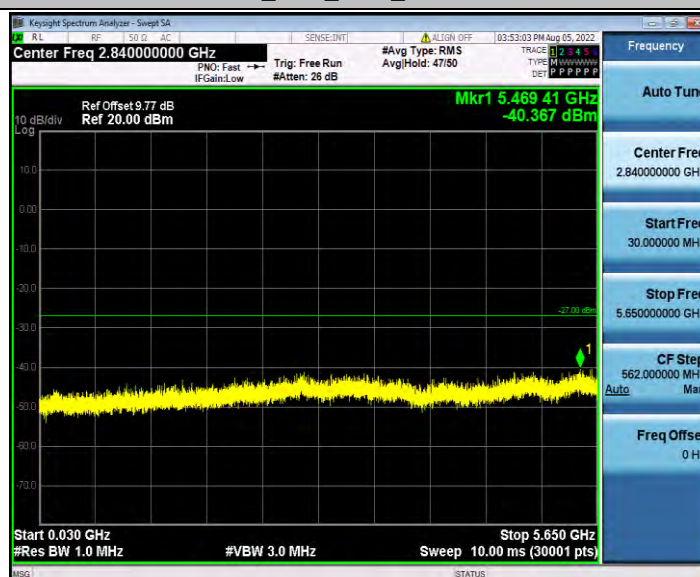
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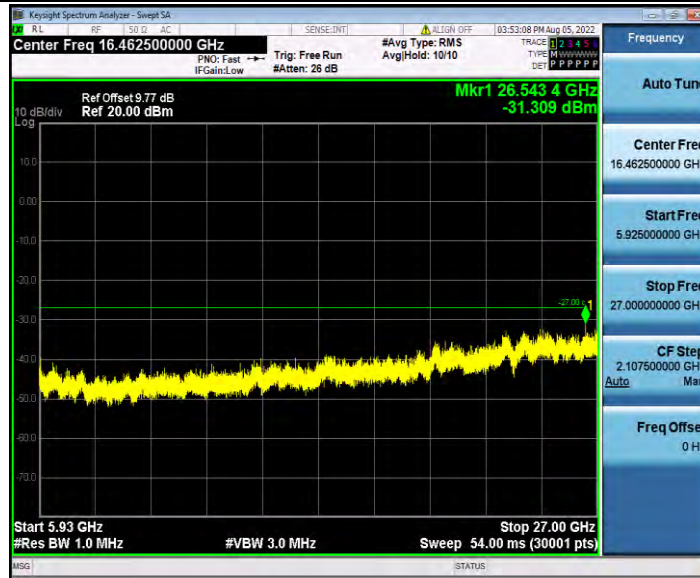
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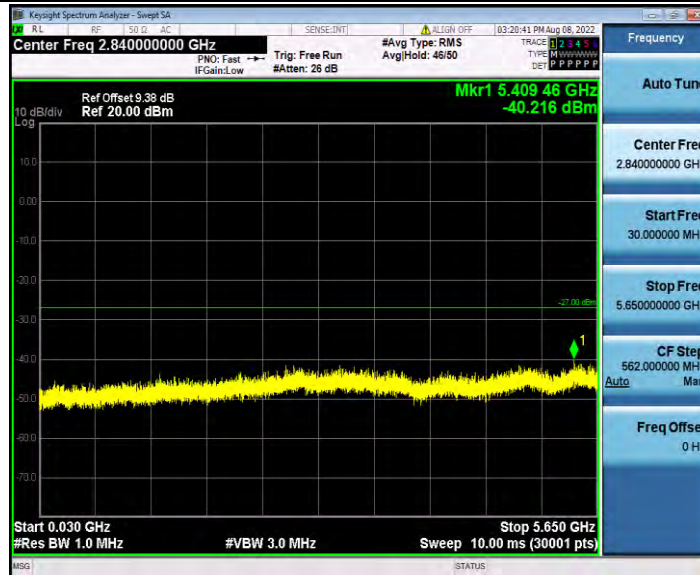
11A_Ant1_5825_30~5650



11A_Ant1_5825_5925~40000



11N20SISO_Ant1_5745_30~5650



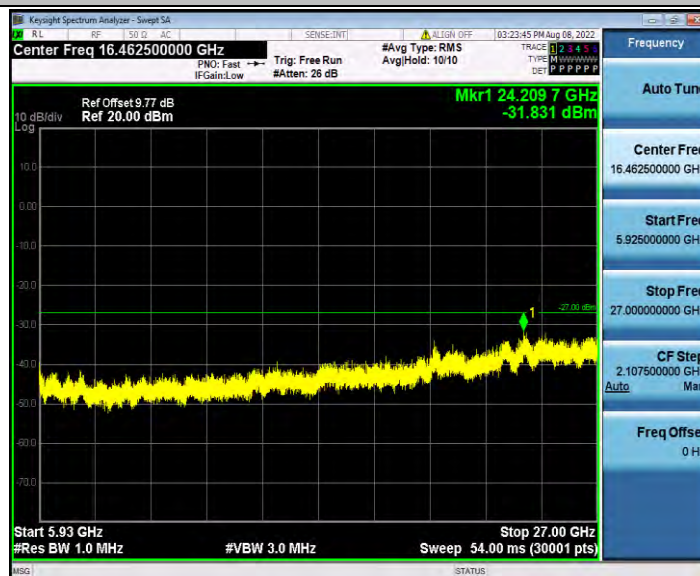
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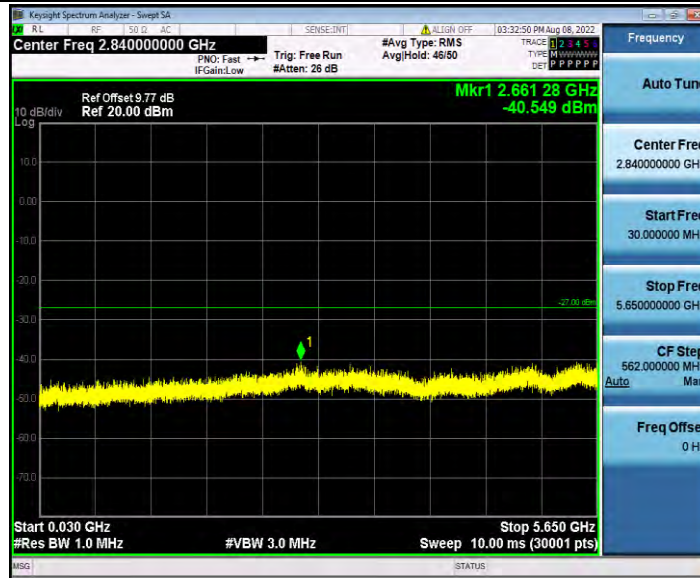
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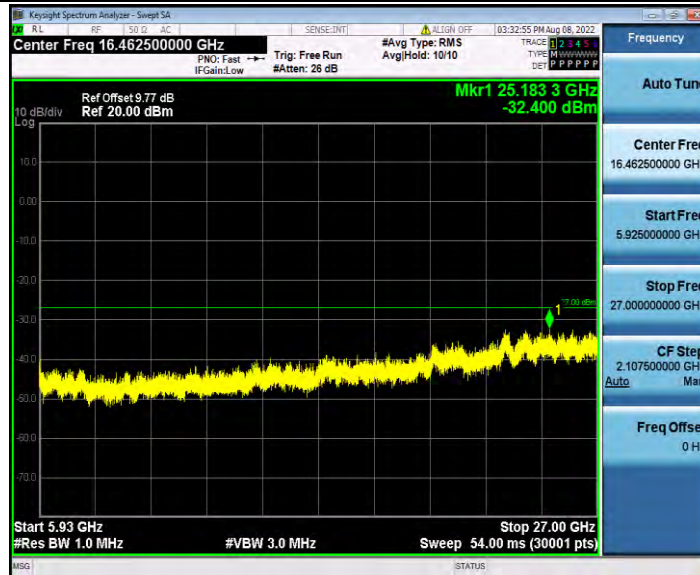
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11N20SISO_Ant1_5825_30~5650



11N20SISO_Ant1_5825_5925~40000



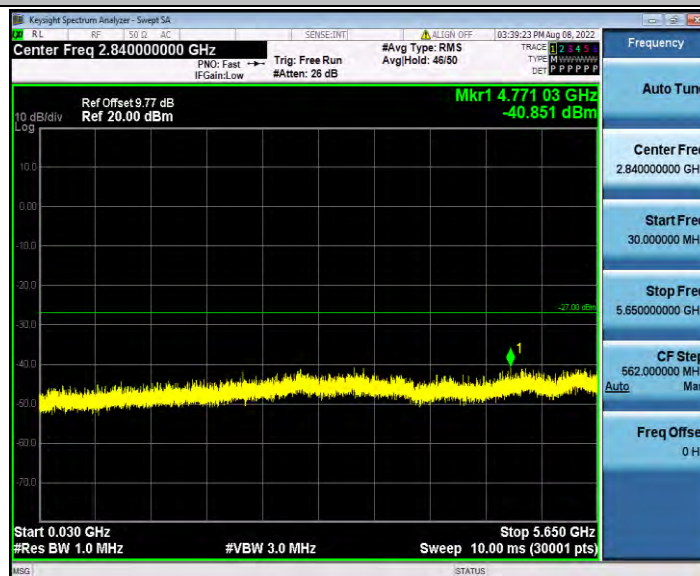
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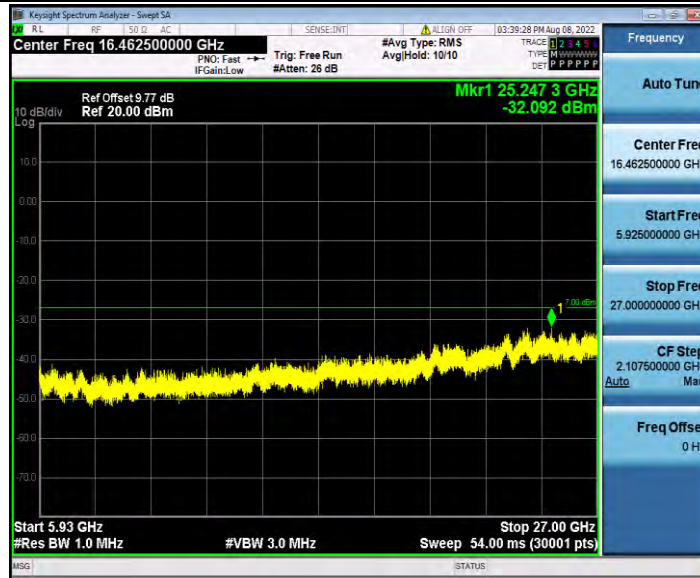
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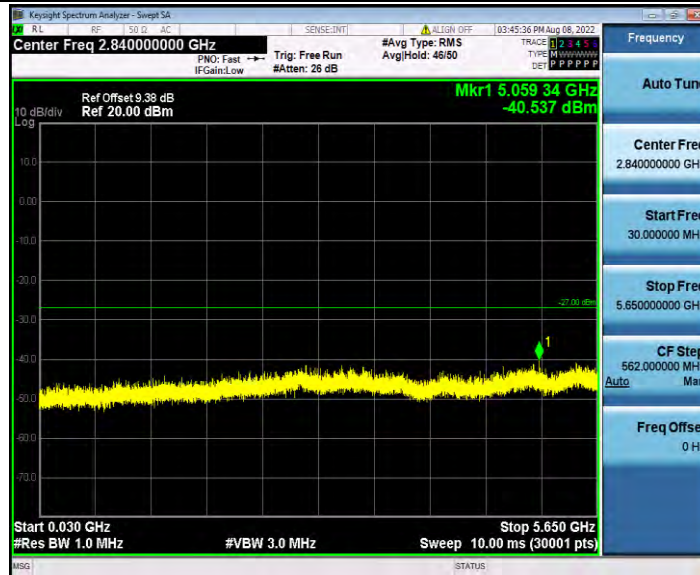
11N40SISO_Ant1_5795_30~5650



11N40SISO_Ant1_5795_5925~40000



11AC20SISO_Ant1_5745_30~5650



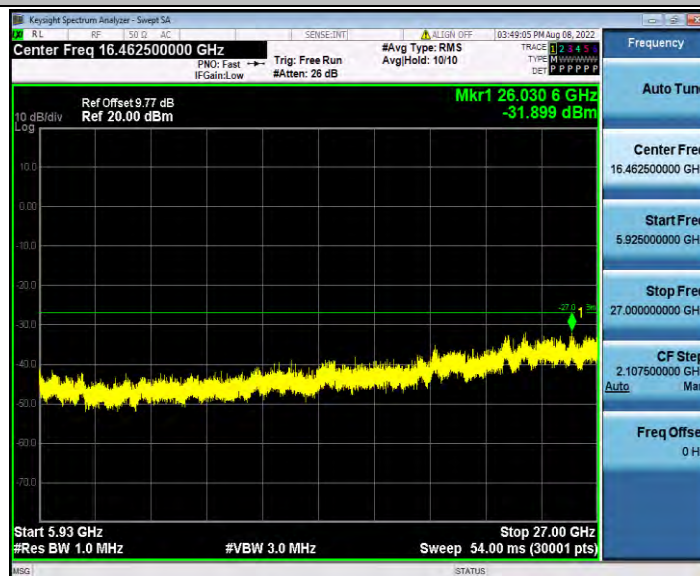
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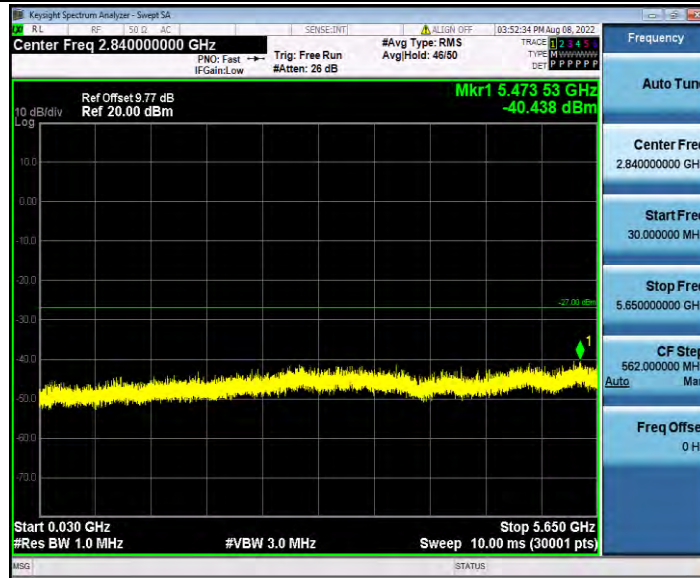
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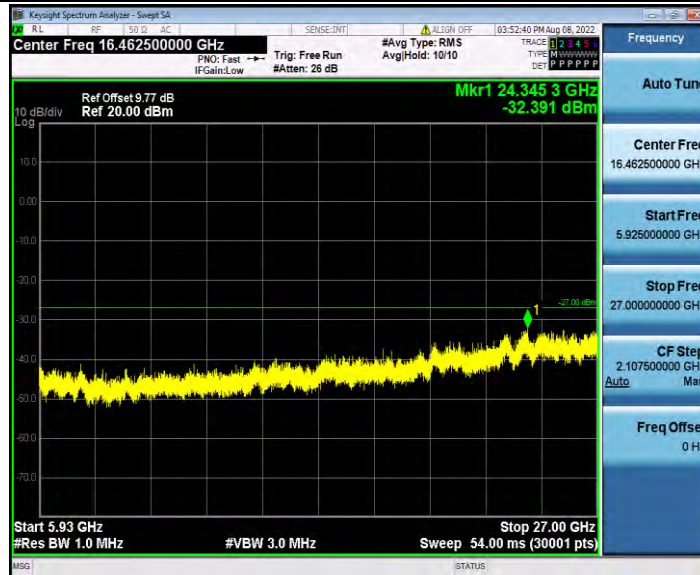
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11AC20SISO_Ant1_5825_30~5650



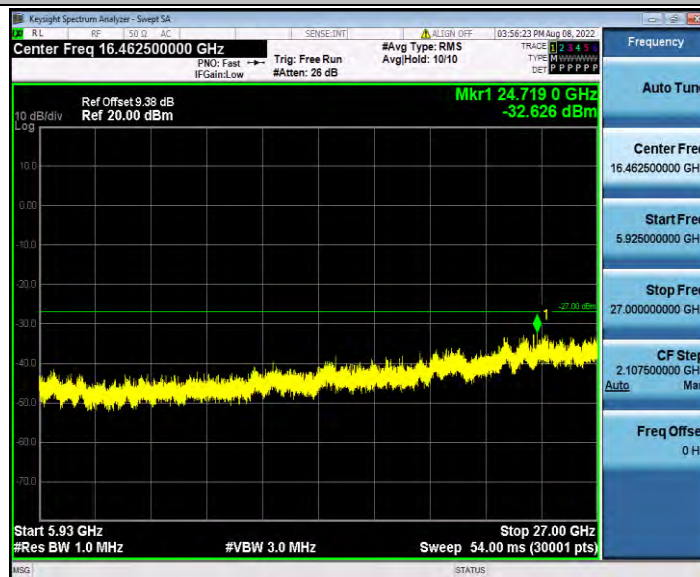
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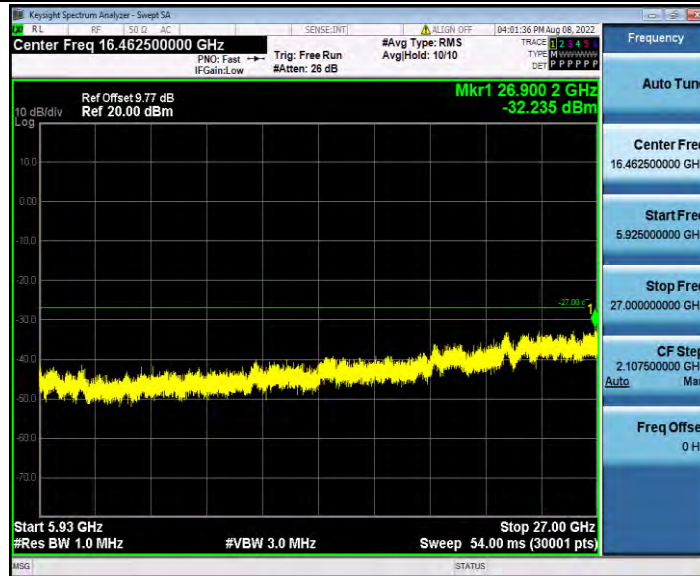
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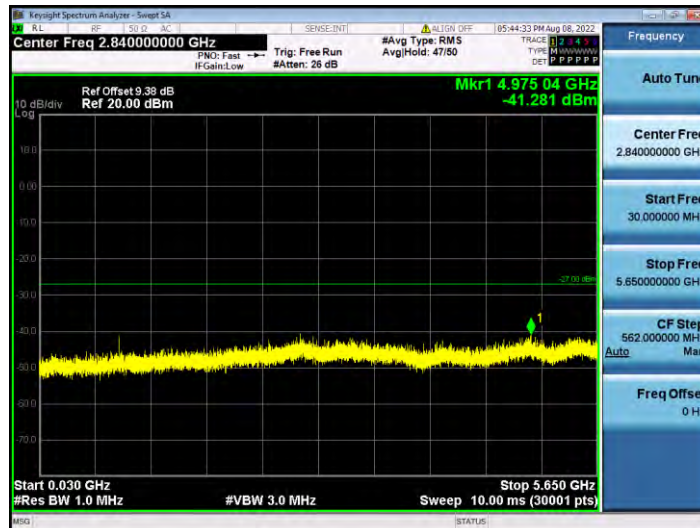
11AC40SISO_Ant1_5795_30~5650



11AC40SISO_Ant1_5795_5925~40000



11AC80SISO_Ant1_5775_30~5650



11AC80SISO_Ant1_5775_5925~40000

