

Case No. : <u>GTS20221202017-1-9</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022.12.27</u>	Test Engineer: <u>Jenny zeng</u>

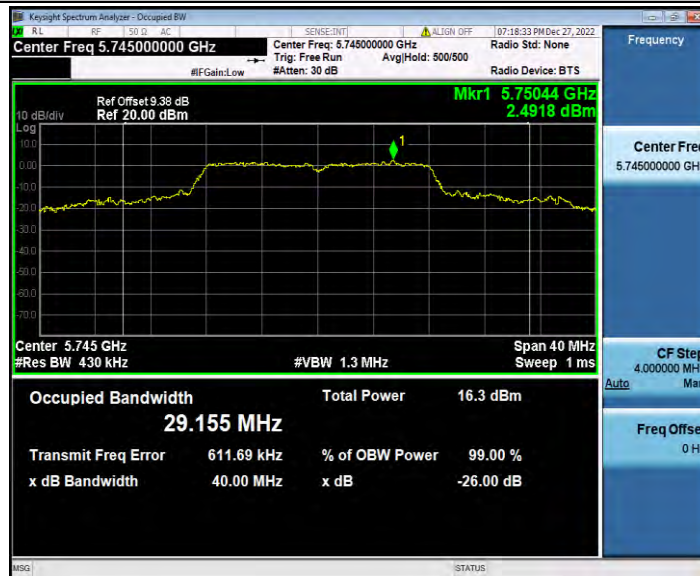
Appendix E.1: Occupied channel bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	29.155	5731.034	5760.189	---	---
		5785	26.233	5772.492	5798.725	---	---
		5825	30.712	5809.734	5840.446	---	---
11N20SISO	Ant1	5745	26.644	5732.725	5759.369	---	---
		5785	19.109	5775.590	5794.699	---	---
		5825	30.518	5810.042	5840.560	---	---
11N40SISO	Ant1	5755	60.826	5726.346	5787.172	---	---
		5795	55.511	5769.234	5824.745	---	---
11AC20SISO	Ant1	5745	31.741	5729.588	5761.329	---	---
		5785	25.036	5773.068	5798.104	---	---
		5825	27.665	5811.952	5839.617	---	---
11AC40SISO	Ant1	5755	55.808	5729.396	5785.204	---	---
		5795	55.127	5769.730	5824.857	---	---
11AC80SISO	Ant1	5775	75.022	5738.027	5813.049	---	---

Test Graphs

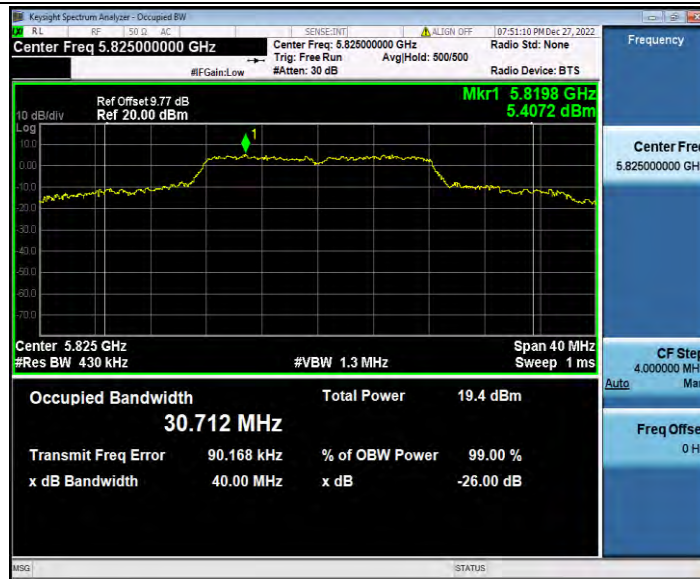
11A_Ant1_5745



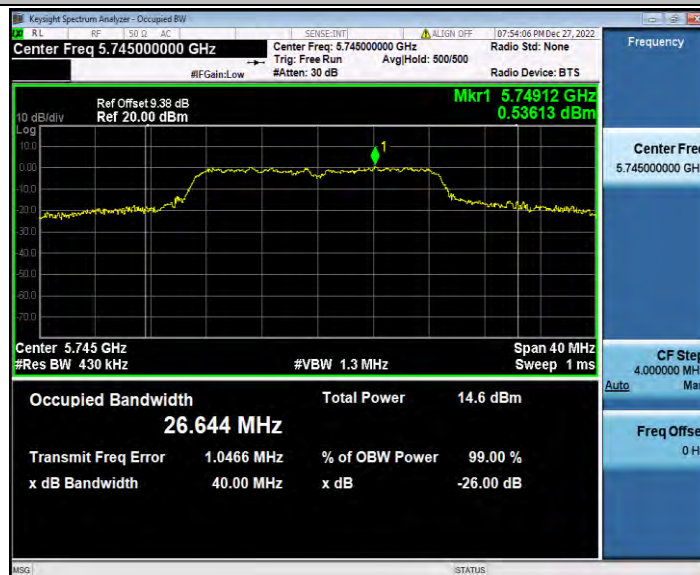
11A_Ant1_5785



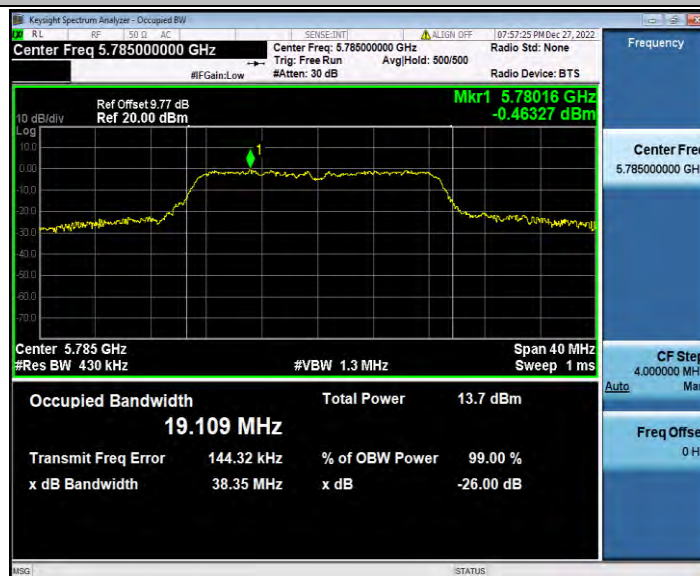
11A_Ant1_5825



11N20SISO_Ant1_5745



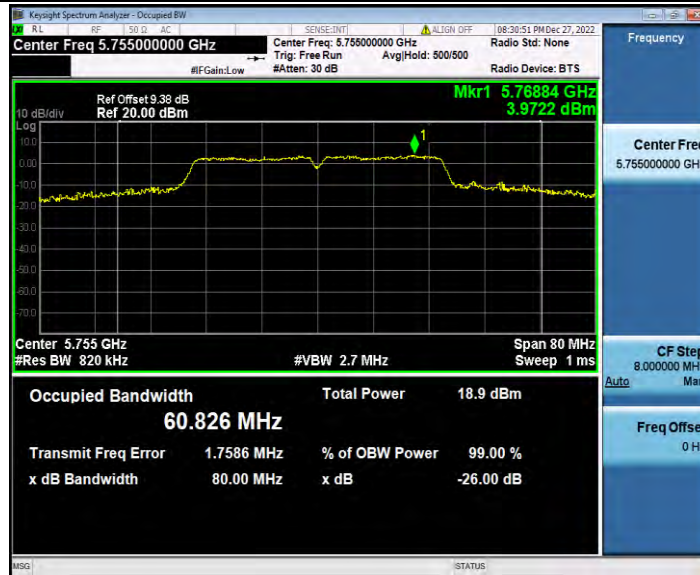
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



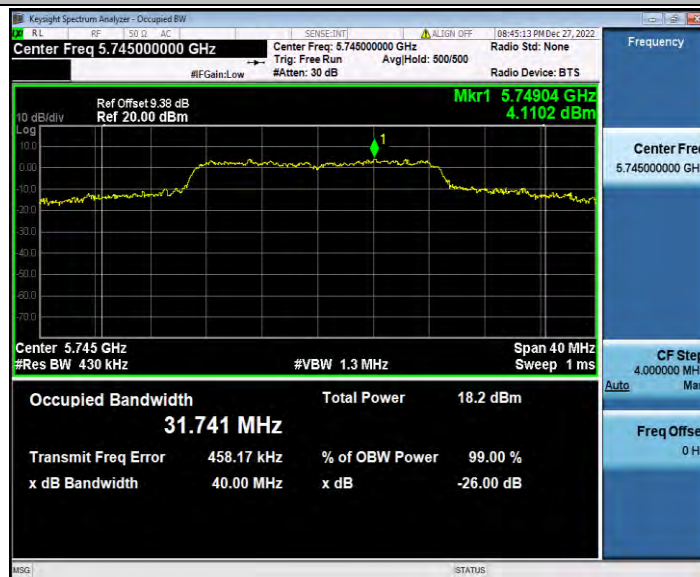
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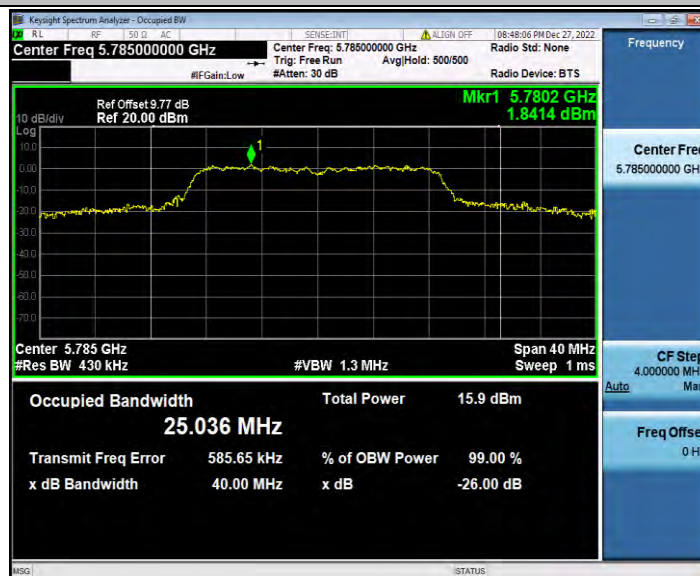
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11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



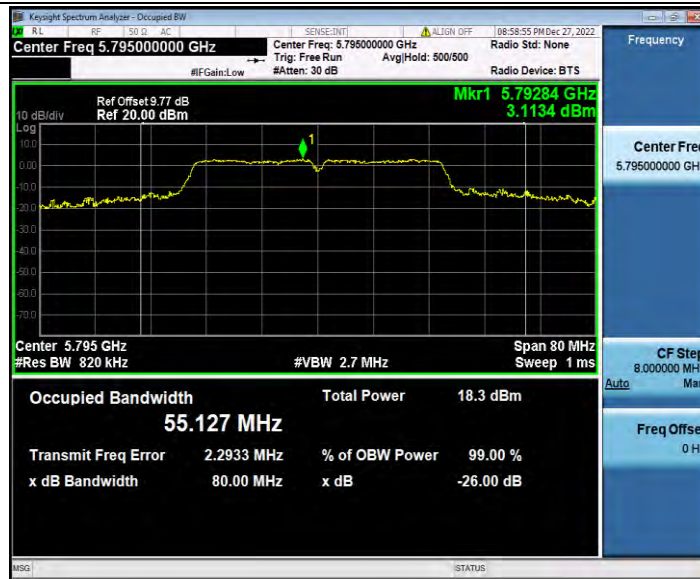
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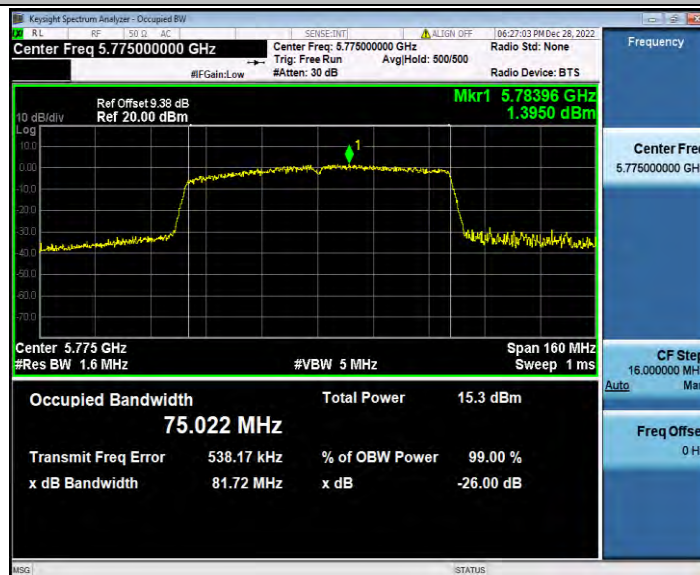
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



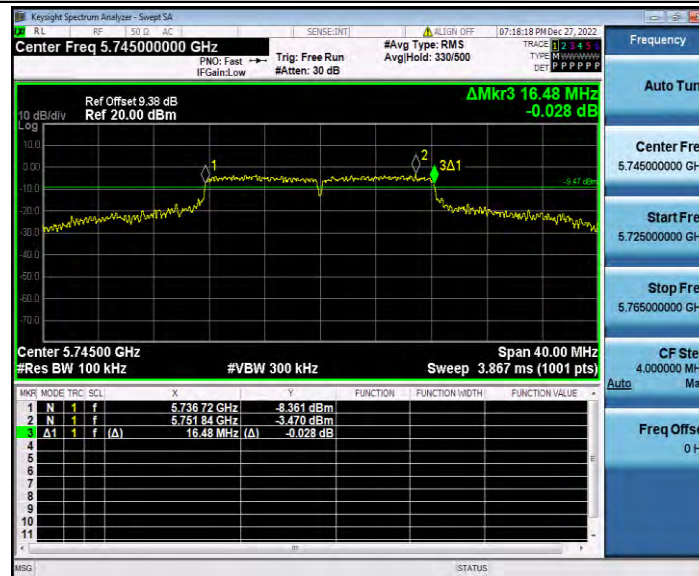
Appendix E.2: Min emission bandwidth

Test Result B4

TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.480	5736.720	5753.200	0.5	PASS
		5785	16.520	5776.760	5793.280	0.5	PASS
		5825	16.520	5816.720	5833.240	0.5	PASS
11N20SISO	Ant1	5745	17.720	5736.160	5753.880	0.5	PASS
		5785	17.640	5776.200	5793.840	0.5	PASS
		5825	17.640	5816.160	5833.800	0.5	PASS
11N40SISO	Ant1	5755	36.480	5736.760	5773.240	0.5	PASS
		5795	36.480	5776.840	5813.320	0.5	PASS
11AC20SISO	Ant1	5745	17.760	5736.080	5753.840	0.5	PASS
		5785	17.760	5776.120	5793.880	0.5	PASS
		5825	17.760	5816.120	5833.880	0.5	PASS
11AC40SISO	Ant1	5755	36.560	5736.760	5773.320	0.5	PASS
		5795	36.400	5776.840	5813.240	0.5	PASS
11AC80SISO	Ant1	5775	71.040	5742.200	5813.240	0.5	PASS

Test Graphs B4

11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



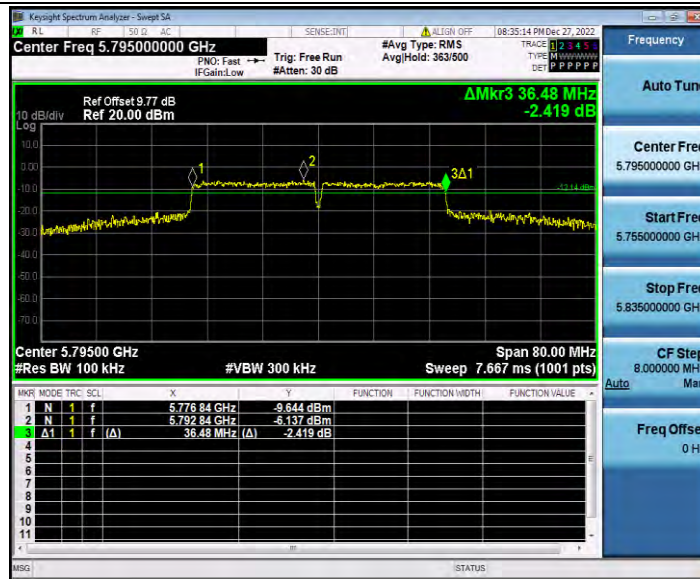
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



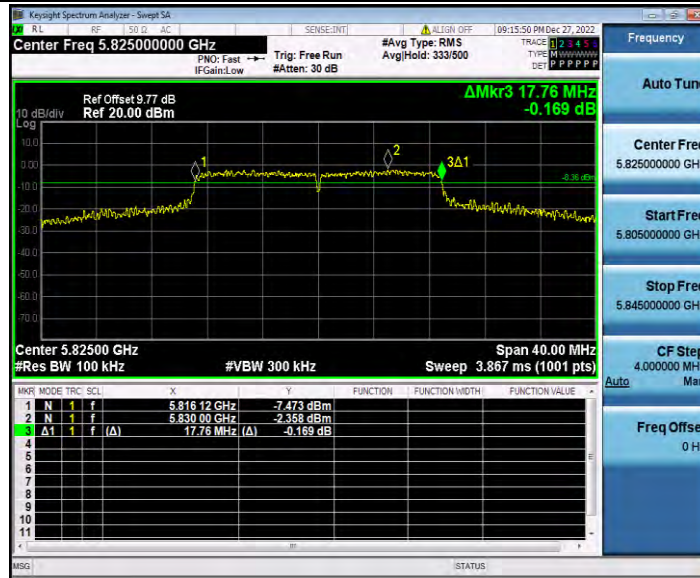
11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



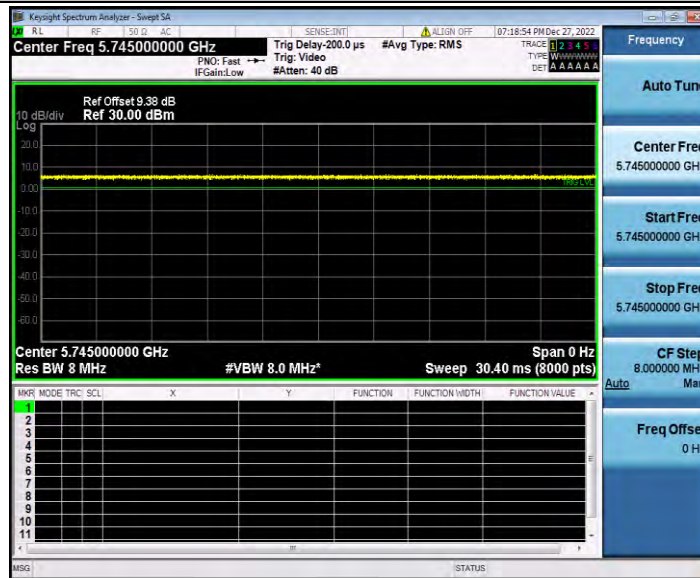
Appendix E.3: Duty Cycle

Test Result

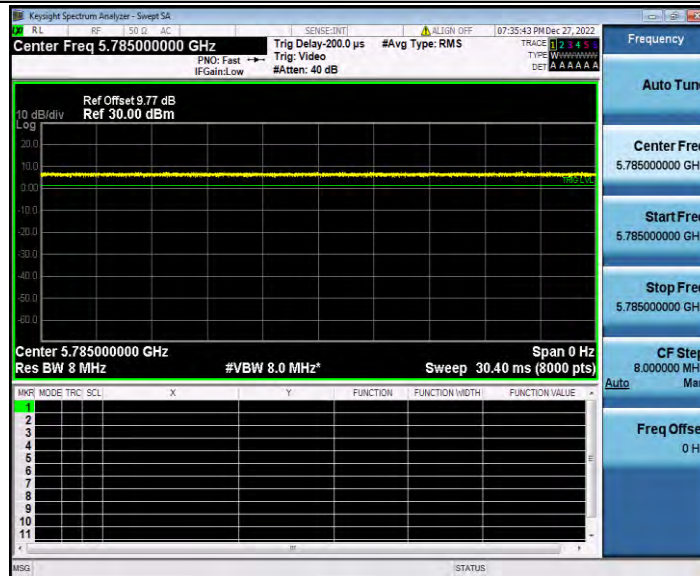
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5745	30.00	30.00	100.00
		5785	30.00	30.00	100.00
		5825	30.00	30.00	100.00
11N20SISO	Ant1	5745	30.00	30.00	100.00
		5785	30.00	30.00	100.00
		5825	30.00	30.00	100.00
11N40SISO	Ant1	5755	30.00	30.00	100.00
		5795	30.00	30.00	100.00
11AC20SISO	Ant1	5745	30.00	30.00	100.00
		5785	30.00	30.00	100.00
		5825	30.00	30.00	100.00
11AC40SISO	Ant1	5755	30.00	30.00	100.00
		5795	30.00	30.00	100.00
11AC80SISO	Ant1	5775	30.00	30.00	100.00

Test Graphs

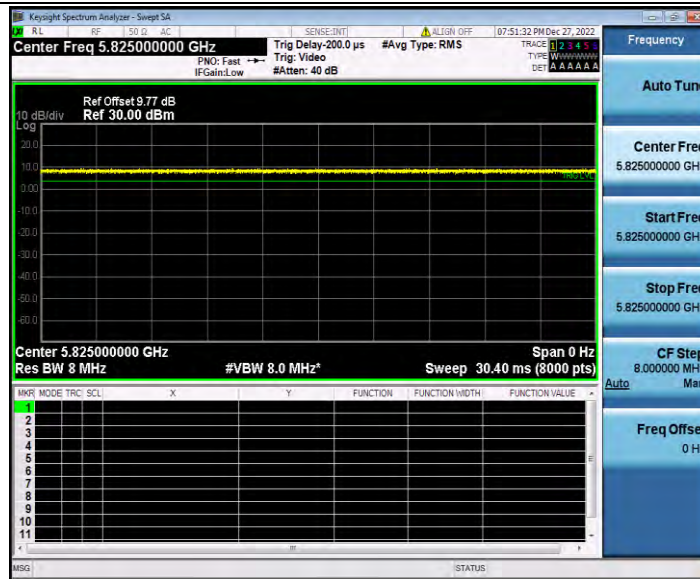
11A_Ant1_5745



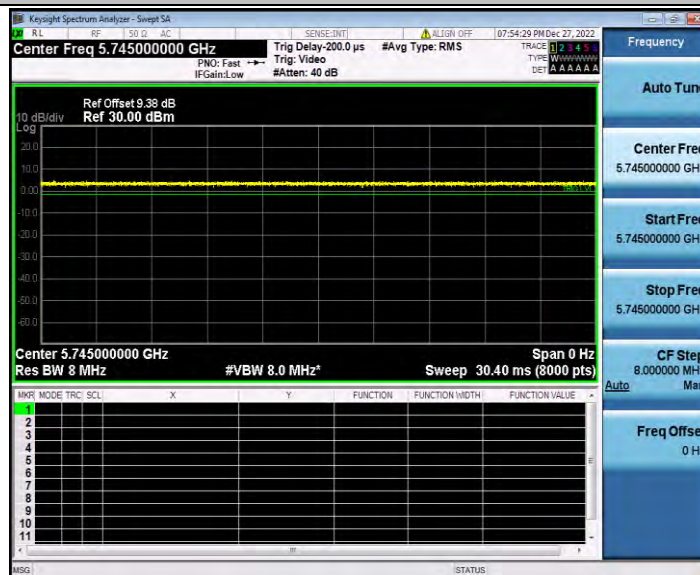
11A_Ant1_5785



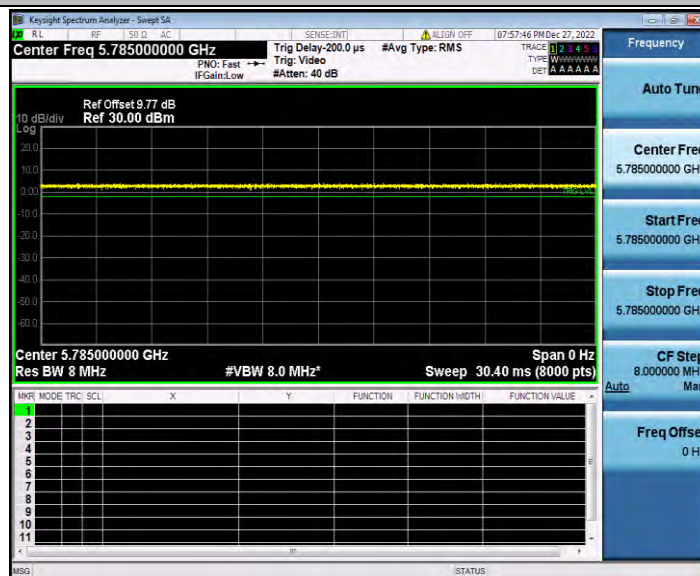
11A_Ant1_5825



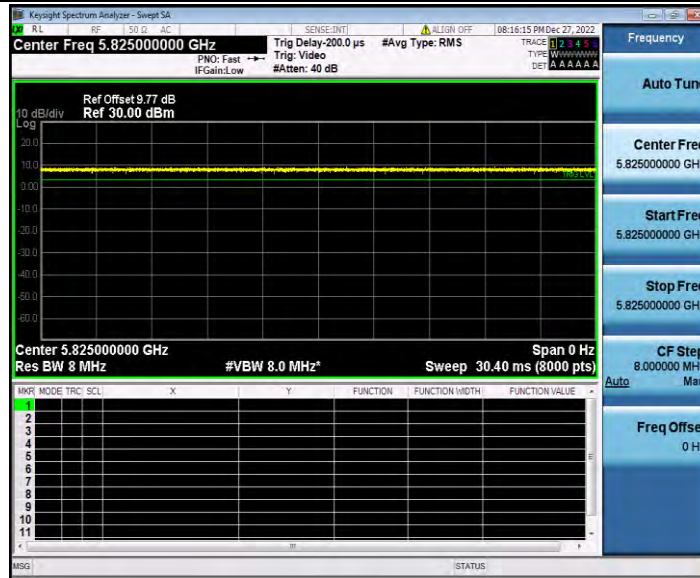
11N20SISO_Ant1_5745



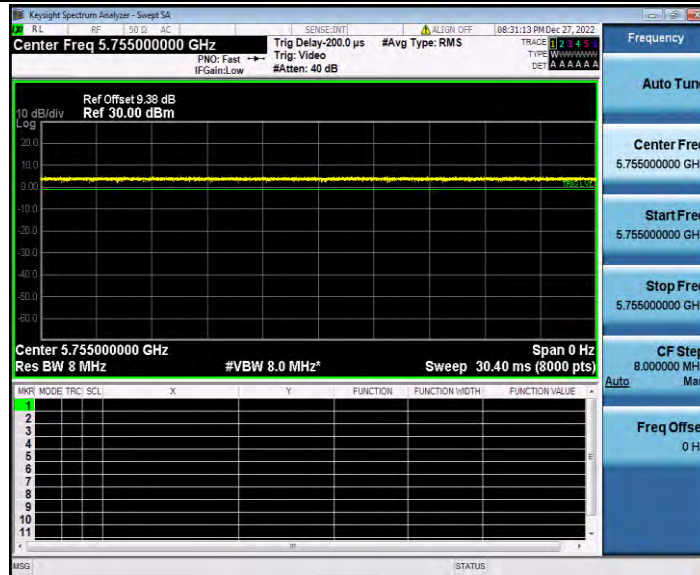
11N20SISO_Ant1_5785



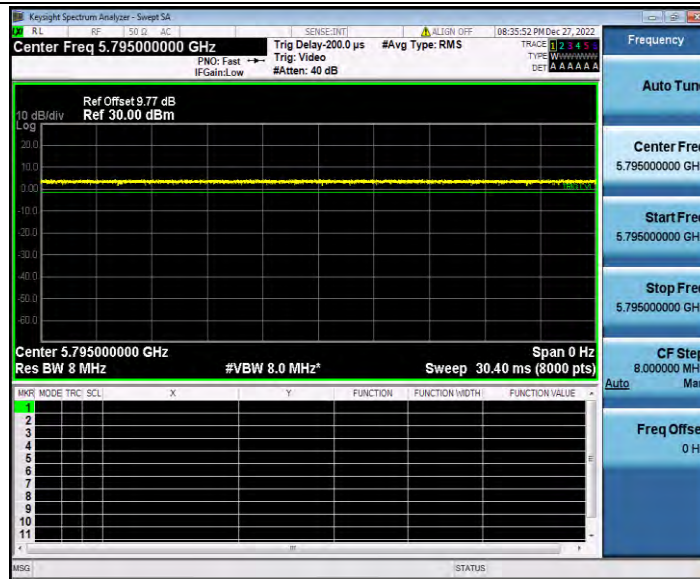
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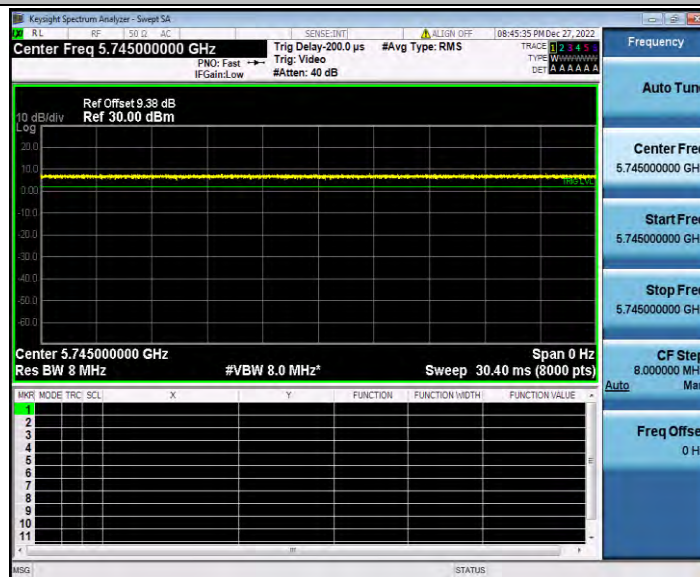
11N40SISO_Ant1_5755



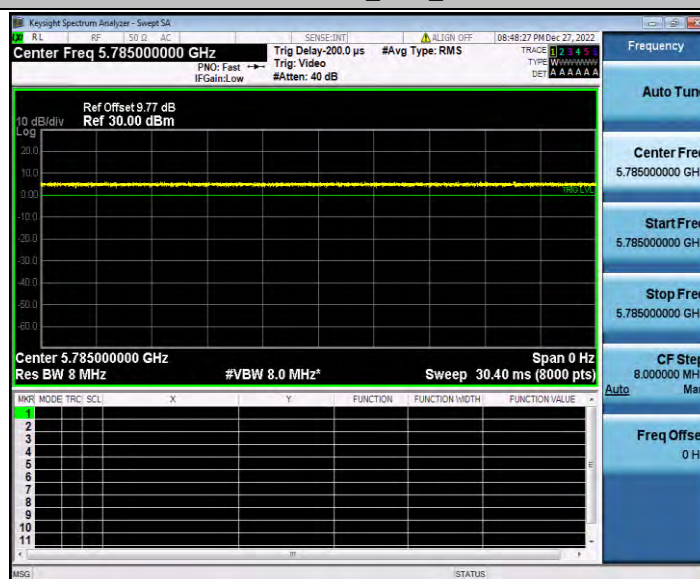
11N40SISO_Ant1_5795



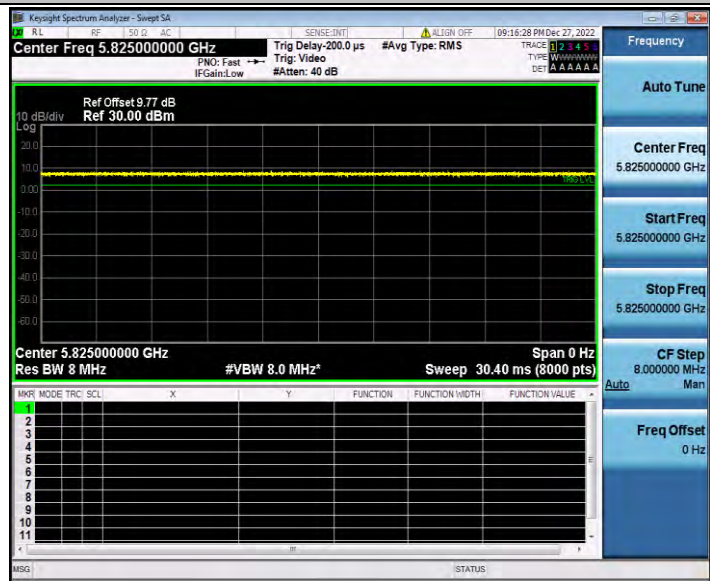
11AC20SISO_Ant1_5745



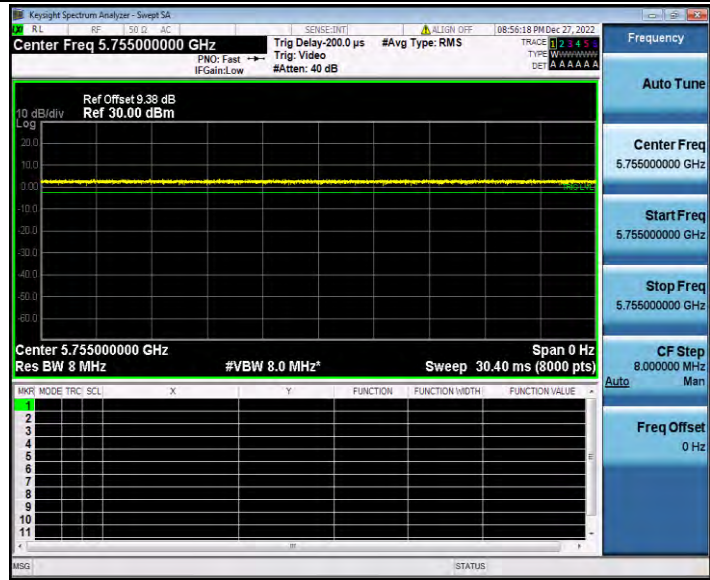
11AC20SISO_Ant1_5785



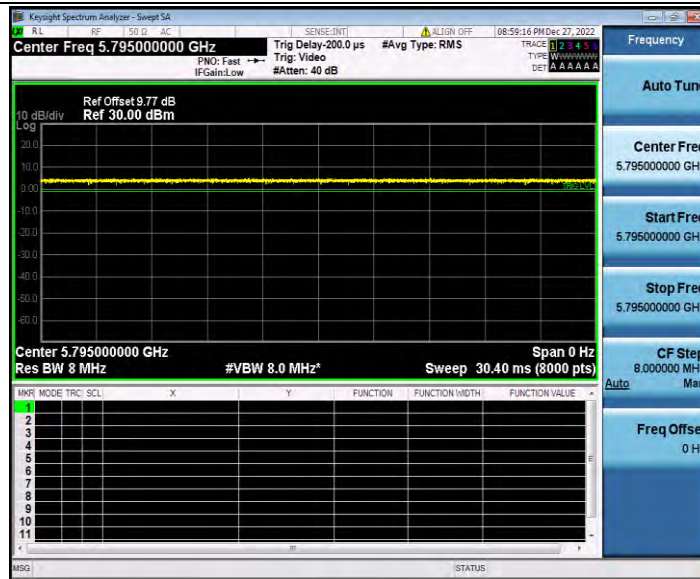
11AC20SISO_Ant1_5825



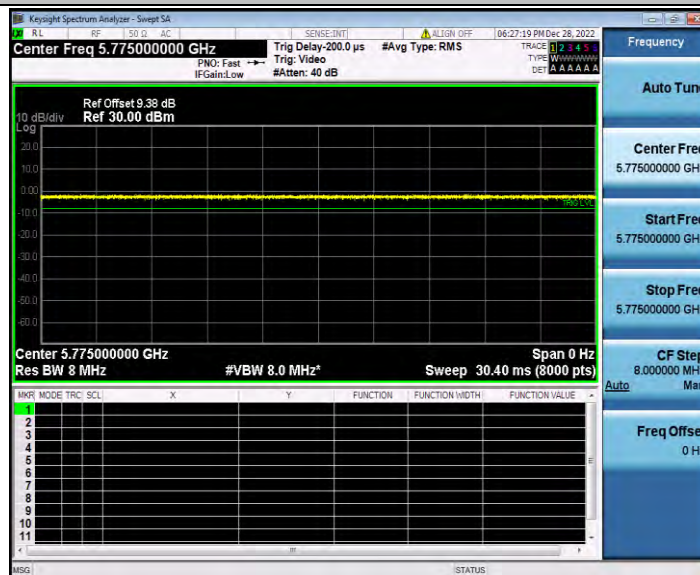
11AC40SISO_Ant1_5755



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	9.02	100.00	0.00	9.02	≤30.00	PASS
		5785	10.18	100.00	0.00	10.18	≤30.00	PASS
		5825	12.12	100.00	0.00	12.12	≤30.00	PASS
11N20SISO	Ant1	5745	7.60	100.00	0.00	7.60	≤30.00	PASS
		5785	7.00	100.00	0.00	7.00	≤30.00	PASS
		5825	12.11	100.00	0.00	12.11	≤30.00	PASS
11N40SISO	Ant1	5755	10.56	100.00	0.00	10.56	≤30.00	PASS
		5795	10.43	100.00	0.00	10.43	≤30.00	PASS
11AC20SISO	Ant1	5745	10.56	100.00	0.00	10.56	≤30.00	PASS
		5785	9.09	100.00	0.00	9.09	≤30.00	PASS
		5825	11.45	100.00	0.00	11.45	≤30.00	PASS
11AC40SISO	Ant1	5755	9.41	100.00	0.00	9.41	≤30.00	PASS
		5795	10.75	100.00	0.00	10.75	≤30.00	PASS
11AC80SISO	Ant1	5775	6.30	100.00	0.00	6.30	≤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	-5.52	≤30.00	PASS
		5785	-4.28	≤30.00	PASS
		5825	-2.88	≤30.00	PASS
11N20SISO	Ant1	5745	-7.07	≤30.00	PASS
		5785	-7.8	≤30.00	PASS
		5825	-2.97	≤30.00	PASS
11N40SISO	Ant1	5755	-7.03	≤30.00	PASS
		5795	-7.24	≤30.00	PASS
11AC20SISO	Ant1	5745	-4.03	≤30.00	PASS
		5785	-3.69	≤30.00	PASS
		5825	-3.61	≤30.00	PASS
11AC40SISO	Ant1	5755	-8.13	≤30.00	PASS
		5795	-7.12	≤30.00	PASS
11AC80SISO	Ant1	5775	-13.41	≤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	-35.9	≤9.98	PASS
				5700~5720	-25.15	≤15.27	PASS
				5720~5725	-17.32	≤25.78	PASS
				5760~5650	-40.47	≤-27	PASS
		High	5825	5850~5855	-18.45	≤21.03	PASS
				5855~5875	-20.47	≤10.78	PASS
				5875~5925	-36.48	≤-26.36	PASS
				5925~5935	-39.18	≤-27	PASS
11N20SI SO	Ant1	Low	5745	5650~5700	-35.46	≤8.11	PASS
				5700~5720	-26.4	≤15.47	PASS
				5720~5725	-17.71	≤26.30	PASS
				5760~5650	-40.57	≤-27	PASS
		High	5825	5850~5855	-17.34	≤17.95	PASS
				5855~5875	-19.68	≤11.04	PASS
				5875~5925	-34.16	≤-24.56	PASS
				5925~5935	-38.08	≤-27	PASS
11N40SI SO	Ant1	Low	5755	5650~5700	-25.45	≤9.86	PASS
				5700~5720	-16.87	≤15.24	PASS
				5720~5725	-14.46	≤19.43	PASS
				5780~5650	-37.19	≤-27	PASS
		High	5795	5850~5855	-24.75	≤16.03	PASS
				5855~5875	-26.19	≤10.13	PASS
				5875~5925	-31.1	≤-26.43	PASS
				5925~5935	-38.59	≤-27	PASS
11AC20S ISO	Ant1	Low	5745	5650~5700	-29.67	≤8.53	PASS
				5700~5720	-18.09	≤15.53	PASS
				5720~5725	-12.36	≤24.21	PASS
				5760~5650	-39.68	≤-27	PASS
		High	5825	5850~5855	-21.5	≤15.79	PASS
				5855~5875	-22.85	≤11.04	PASS
				5875~5925	-36.39	≤-26.66	PASS
				5925~5935	-39.4	≤-27	PASS
11AC40S ISO	Ant1	Low	5755	5650~5700	-28.44	≤9.06	PASS
				5700~5720	-17.51	≤15.31	PASS
				5720~5725	-16.64	≤26.20	PASS

		High	5795	5780~5650	-38.61	≤ -27	PASS
				5850~5855	-25.06	≤ 17.91	PASS
				5855~5875	-27.1	≤ 10.04	PASS
				5875~5925	-32.7	≤ -26.92	PASS
				5925~5935	-38.45	≤ -27	PASS
11AC80S ISO	Ant1	Low	5775	5650~5700	-37.85	≤ 8.18	PASS
				5700~5720	-35.56	≤ 15.56	PASS
				5720~5725	-35.28	≤ 18.47	PASS
				5800~5650	-40.64	≤ -27	PASS
		High	5775	5850~5855	-35.62	≤ 17.90	PASS
				5855~5875	-35.97	≤ 11.32	PASS
				5875~5925	-38.22	≤ -21.75	PASS
				5925~5935	-38.21	≤ -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	2453.16	-41.25	≤-27	PASS
			5925~40000	24935.35	-32.58	≤-27	PASS
		5785	30~5650	5447.68	-38.68	≤-27	PASS
			5925~40000	24760.43	-31.73	≤-27	PASS
		5825	30~5650	1737.36	-35.8	≤-27	PASS
			5925~40000	23635.03	-32.61	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	5558.02	-41.09	≤-27	PASS
			5925~40000	26521.6	-32.95	≤-27	PASS
		5785	30~5650	5446.56	-39.73	≤-27	PASS
			5925~40000	24276.41	-32.64	≤-27	PASS
		5825	30~5650	2668.4	-40.49	≤-27	PASS
			5925~40000	26537.76	-32.36	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	5641.94	-40.37	≤-27	PASS
			5925~40000	26769.58	-32.09	≤-27	PASS
		5795	30~5650	4910.03	-40.52	≤-27	PASS
			5925~40000	24206.16	-32.24	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	4914.15	-41.03	≤-27	PASS
			5925~40000	24336.82	-33.03	≤-27	PASS
		5785	30~5650	2667.47	-40.68	≤-27	PASS
			5925~40000	25660.33	-31.07	≤-27	PASS
		5825	30~5650	1763.4	-37.51	≤-27	PASS
			5925~40000	24237.07	-32.31	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	5647.38	-40.44	≤-27	PASS
			5925~40000	24736.55	-32.67	≤-27	PASS
		5795	30~5650	5464.35	-41	≤-27	PASS
			5925~40000	24278.52	-31.67	≤-27	PASS
11AC80SISO	Ant1	5775	30~5650	2640.49	-40.91	≤-27	PASS
			5925~40000	24218.8	-32.95	≤-27	PASS

Test Graphs

11A_Ant1_5745_30~5650



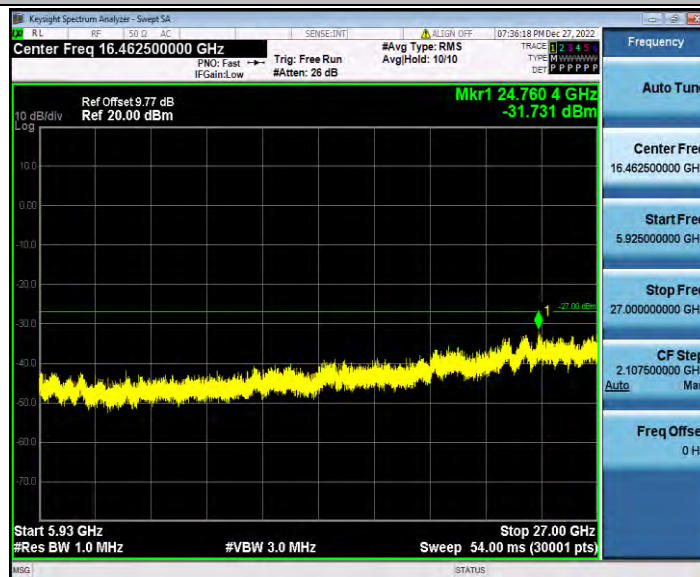
11A_Ant1_5745_5925~40000



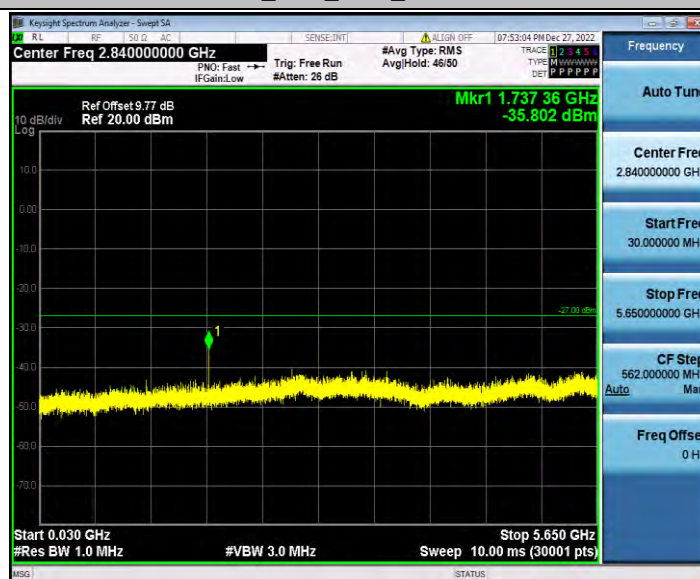
11A_Ant1_5785_30~5650



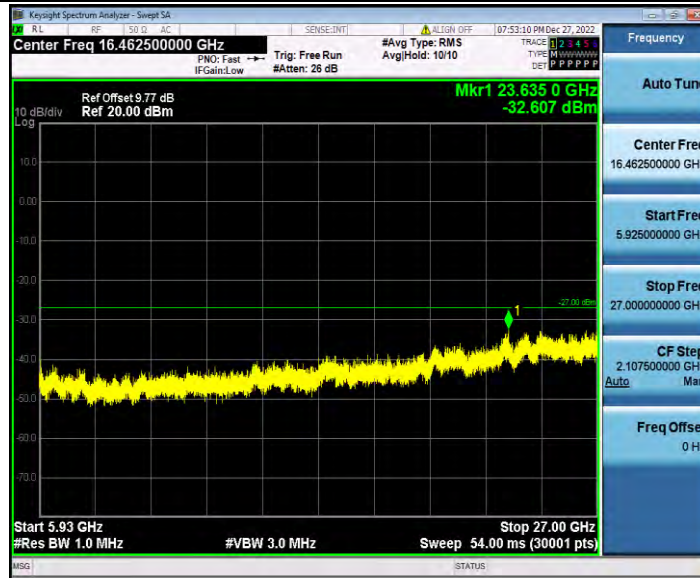
11A_Ant1_5785_5925~40000



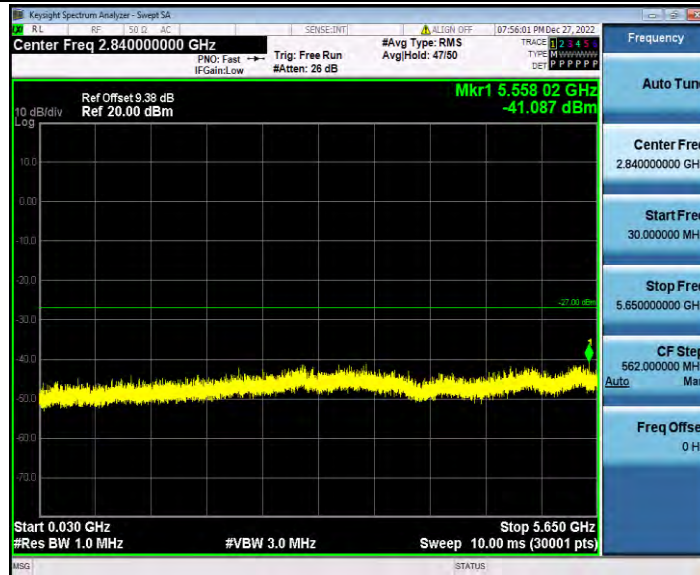
11A_Ant1_5825_30~5650



11A_Ant1_5825_5925~40000



11N20SISO_Ant1_5745_30~5650



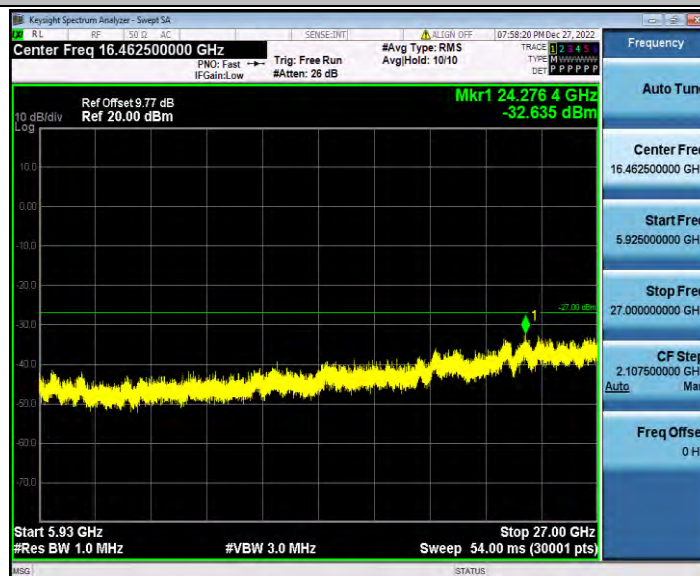
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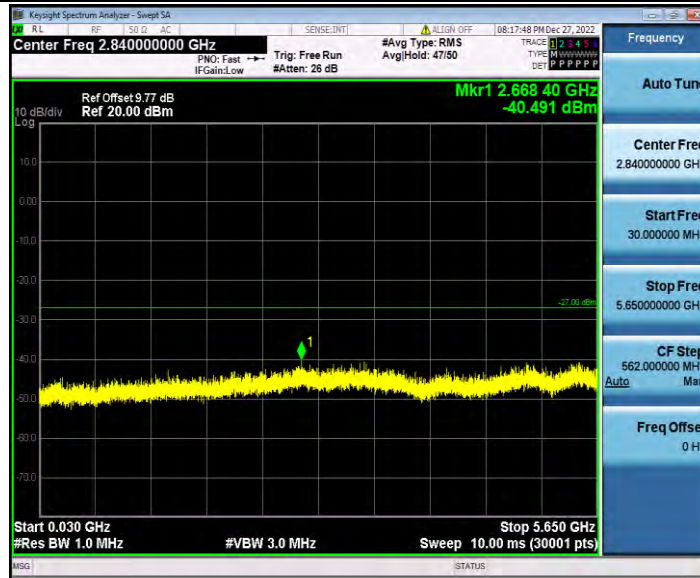
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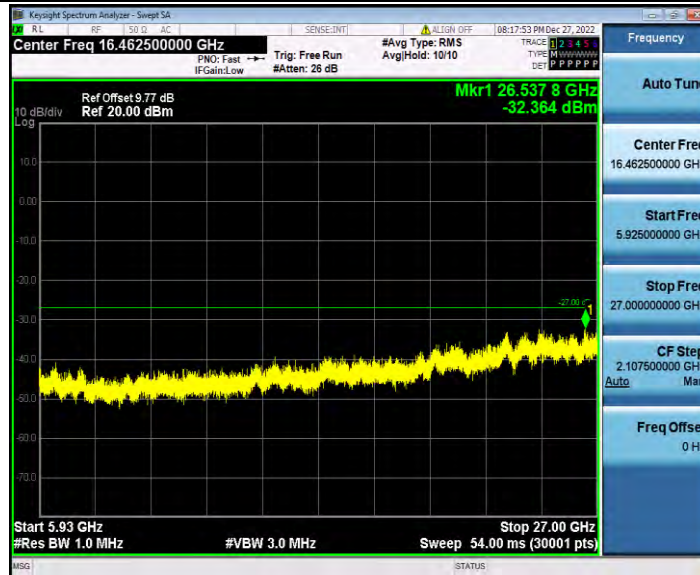
11N20SISO_Ant1_5785_5925~40000



11N20SISO_Ant1_5825_30~5650



11N20SISO_Ant1_5825_5925~40000



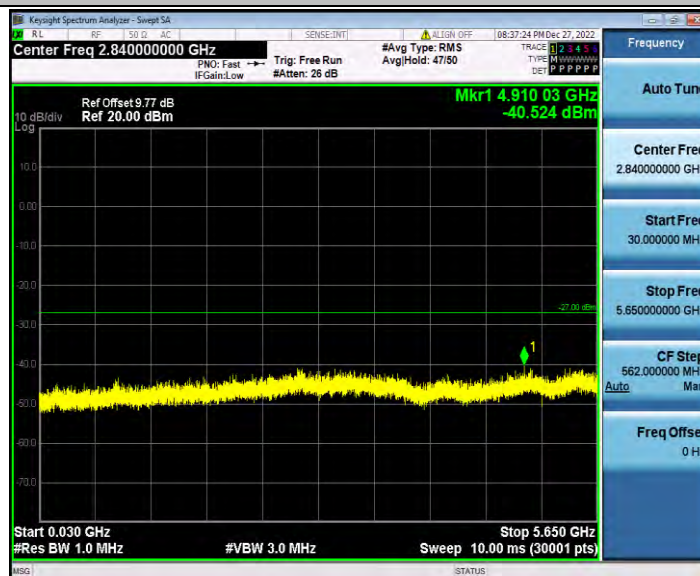
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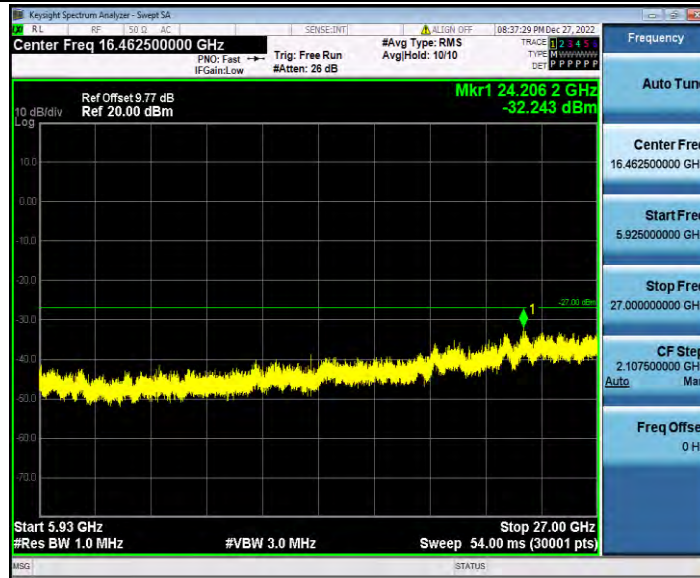
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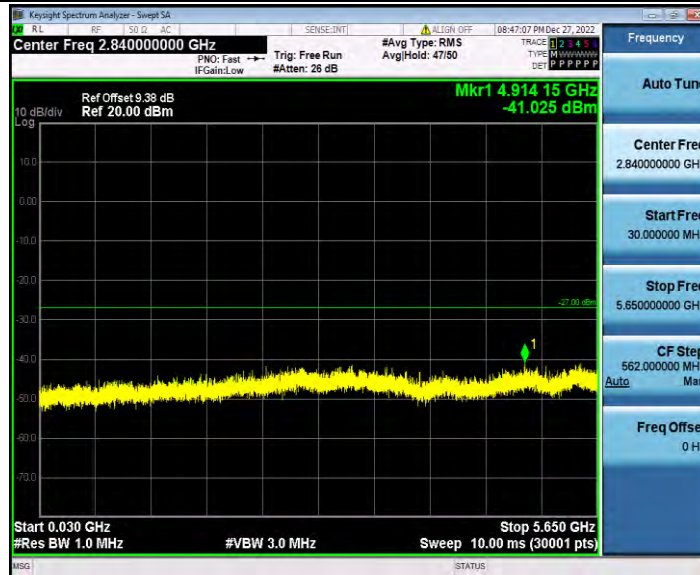
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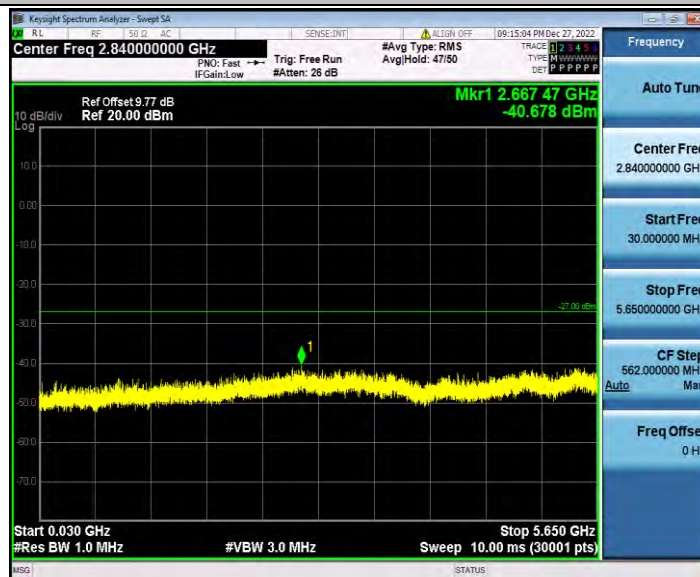
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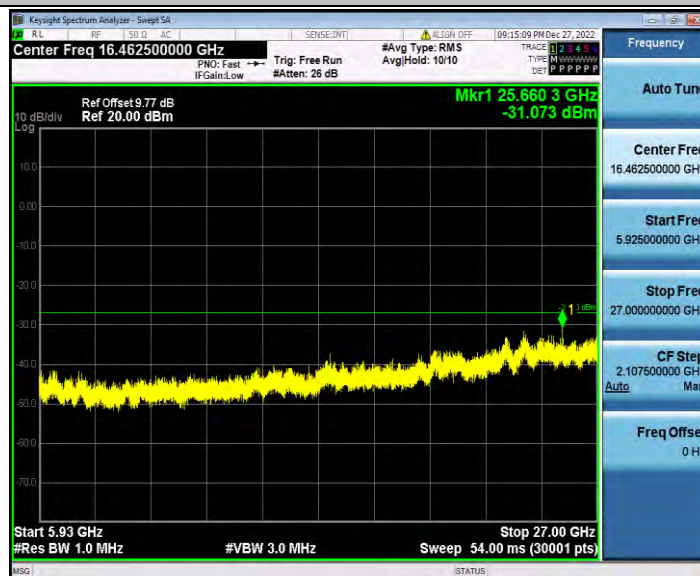
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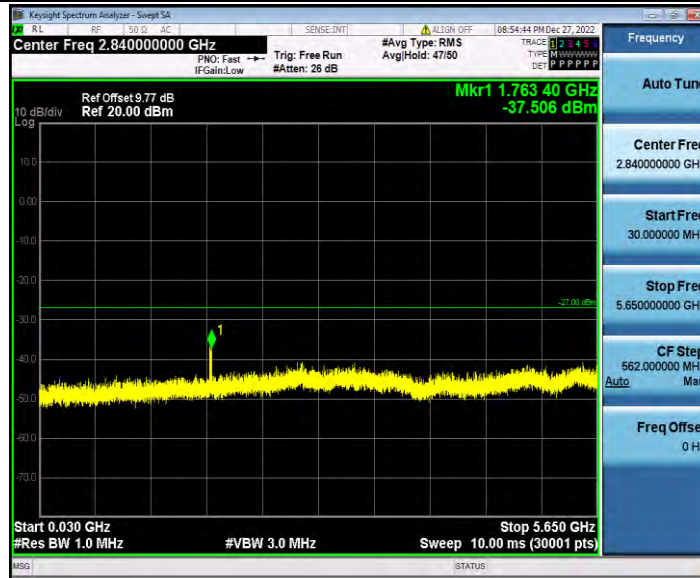
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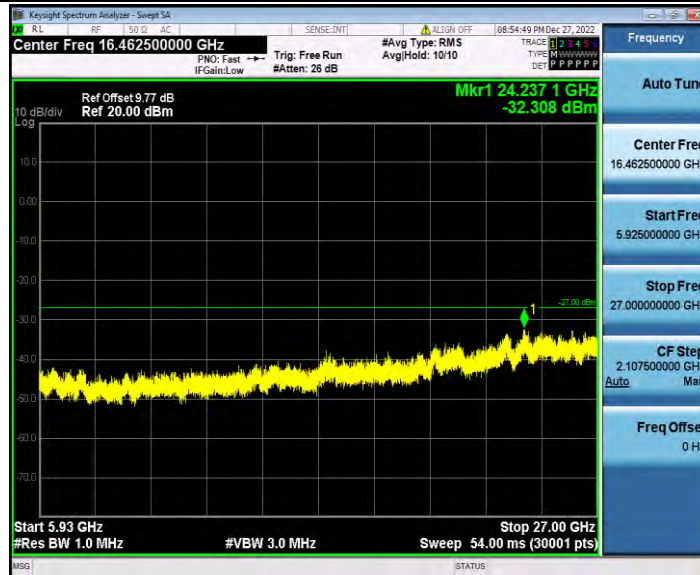
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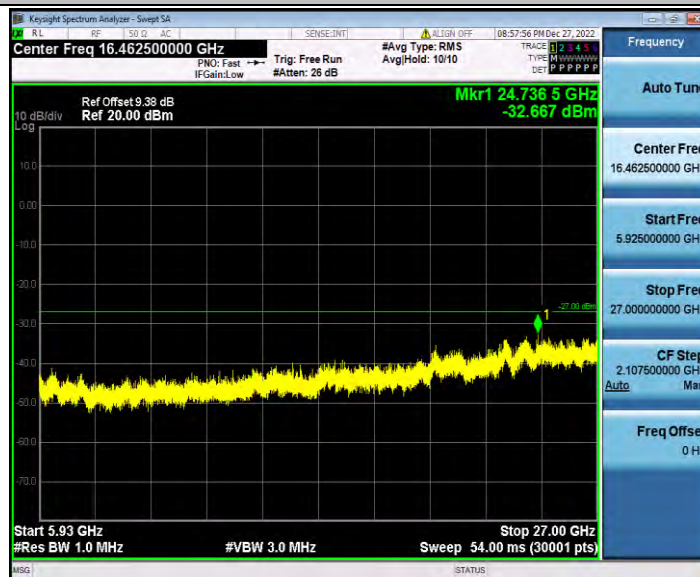
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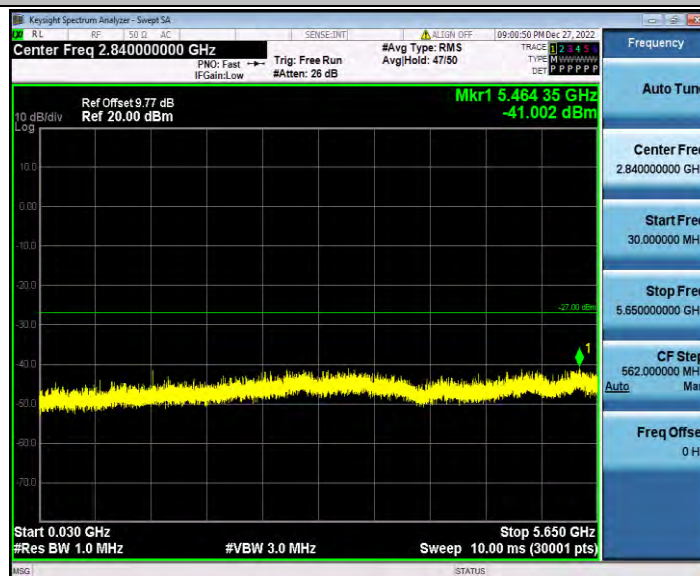
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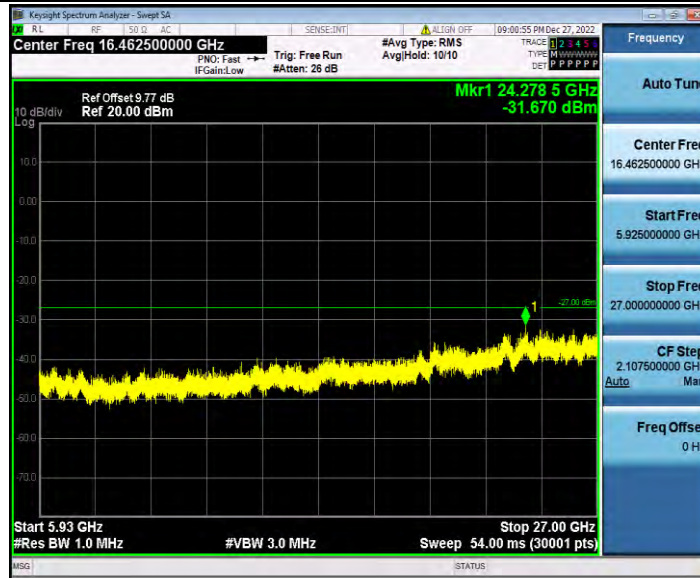
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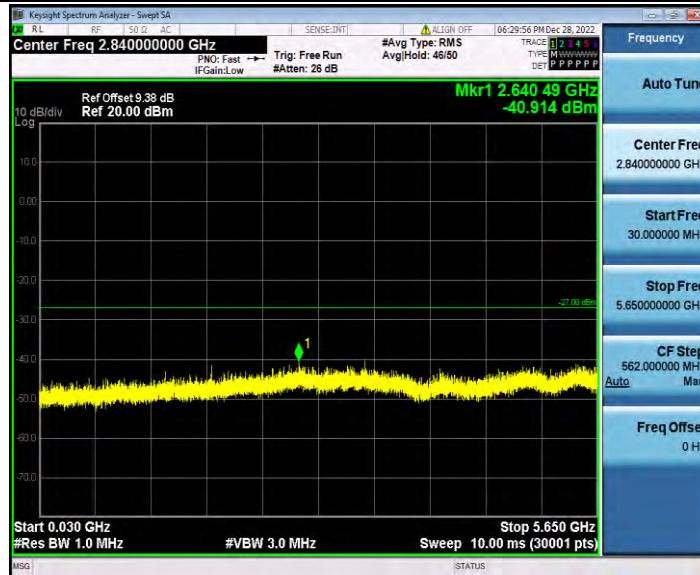
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