

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

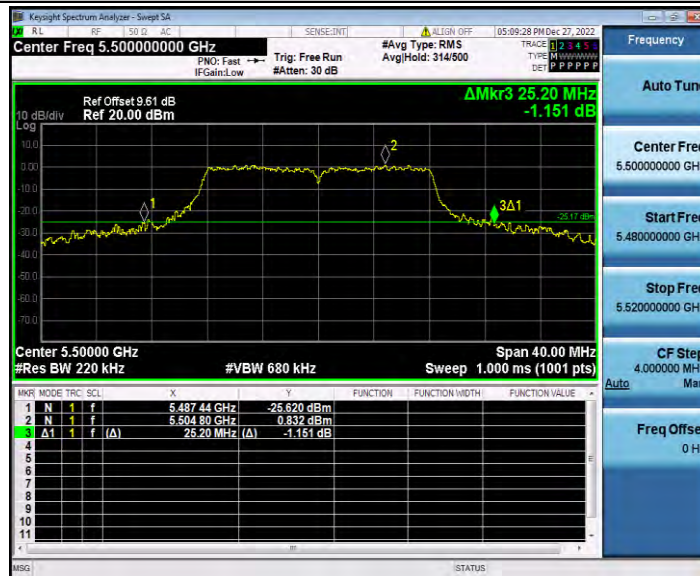
Appendix D.1: Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	25.200	5487.440	5512.640	---	---
		5600	34.320	5583.720	5618.040	---	---
		5700	37.920	5681.360	5719.280	---	---
11N20SISO	Ant1	5500	21.840	5488.880	5510.720	---	---
		5600	31.720	5585.920	5617.640	---	---
		5700	39.720	5680.280	5720.000	---	---
11N40SISO	Ant1	5510	74.560	5473.840	5548.400	---	---
		5590	78.720	5551.280	5630.000	---	---
		5670	79.040	5630.960	5710.000	---	---
11AC20SISO	Ant1	5500	26.960	5488.720	5515.680	---	---
		5600	40.000	5580.000	5620.000	---	---
		5700	40.000	5680.000	5720.000	---	---
11AC40SISO	Ant1	5510	71.760	5476.480	5548.240	---	---
		5590	73.520	5556.400	5629.920	---	---
		5670	79.840	5630.160	5710.000	---	---
11AC80SISO	Ant1	5530	132.640	5476.560	5609.200	---	---
		5610	133.760	5556.240	5690.000	---	---

Test Graphs

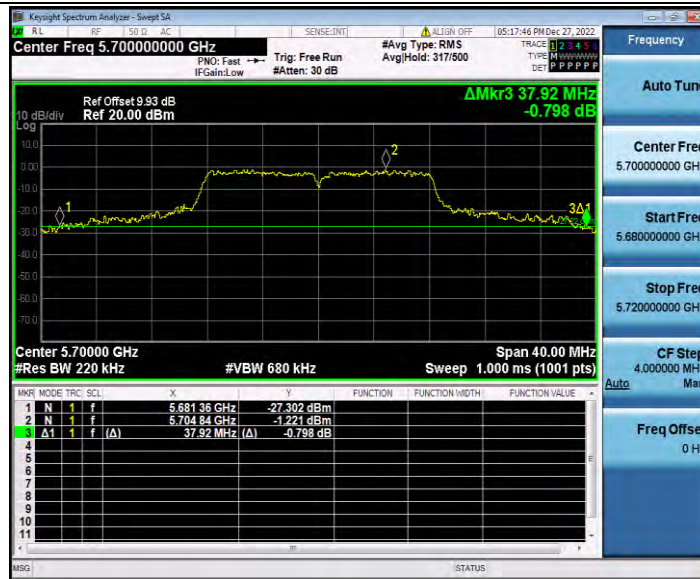
11A_Ant1_5500



11A_Ant1_5600



11A_Ant1_5700



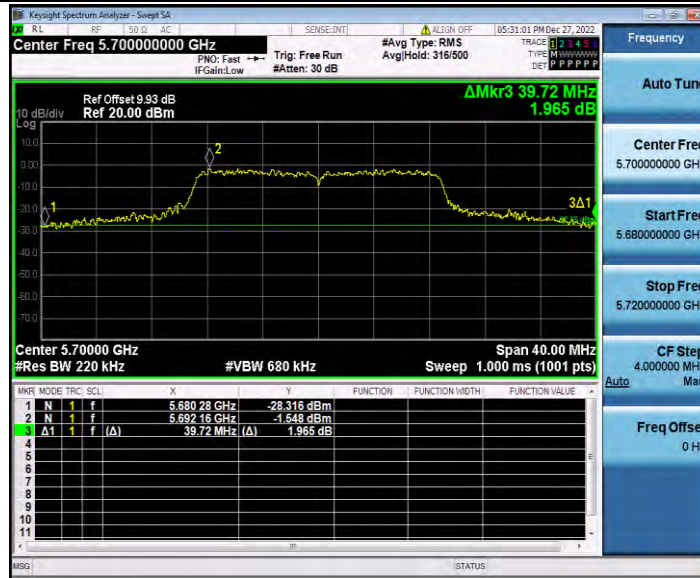
11N20SISO_Ant1_5500



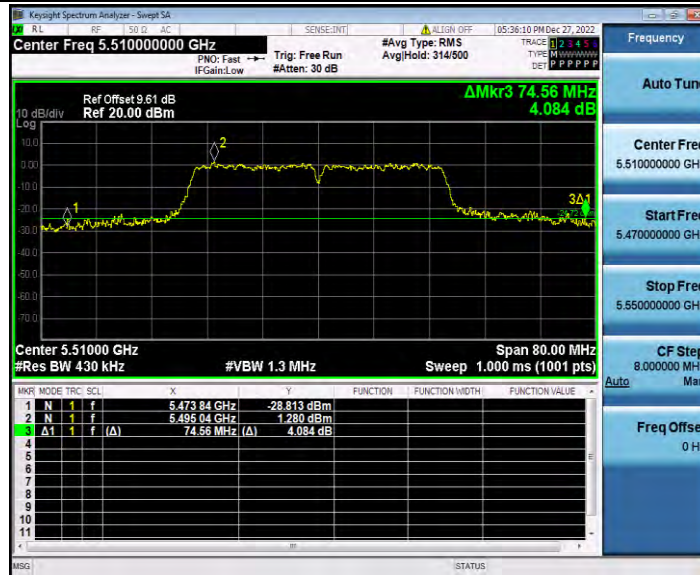
11N20SISO_Ant1_5600



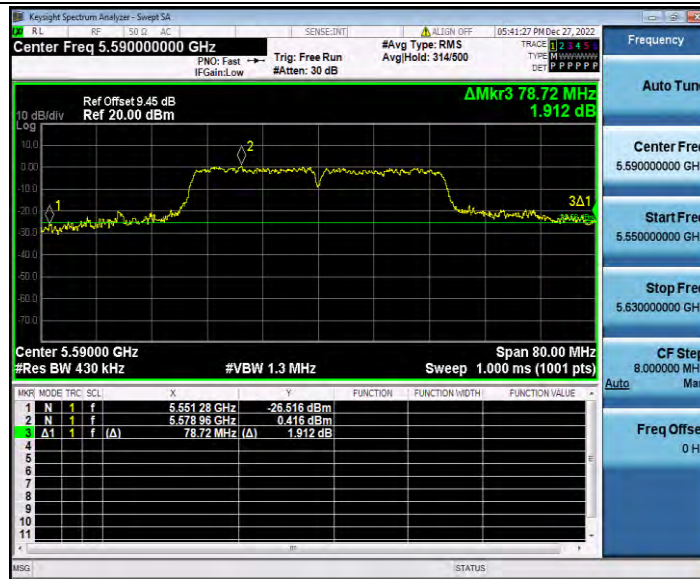
11N20SISO_Ant1_5700



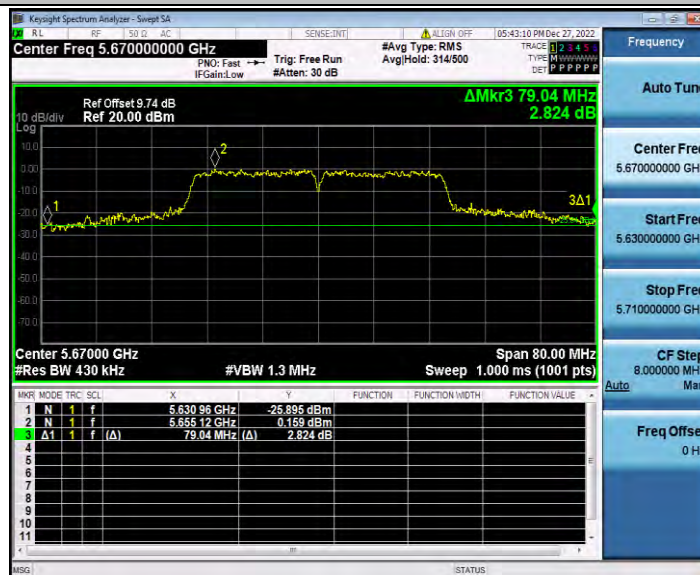
11N40SISO_Ant1_5510



11N40SISO_Ant1_5590



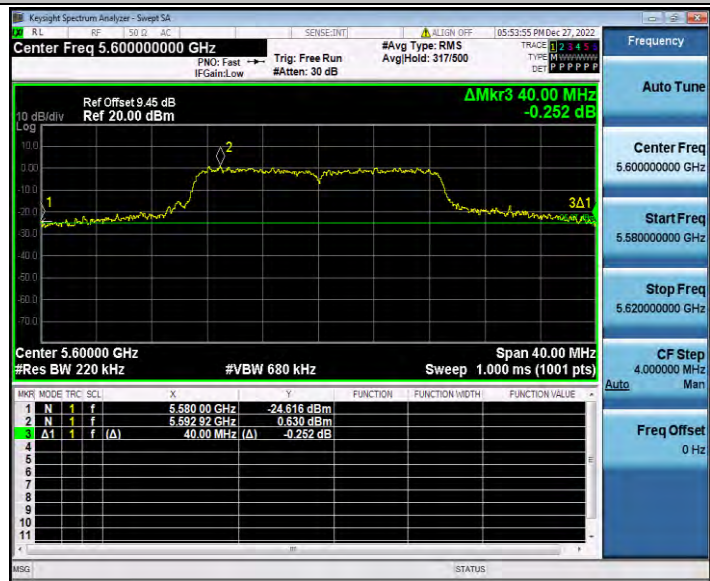
11N40SISO_Ant1_5670



11AC20SISO_Ant1_5500



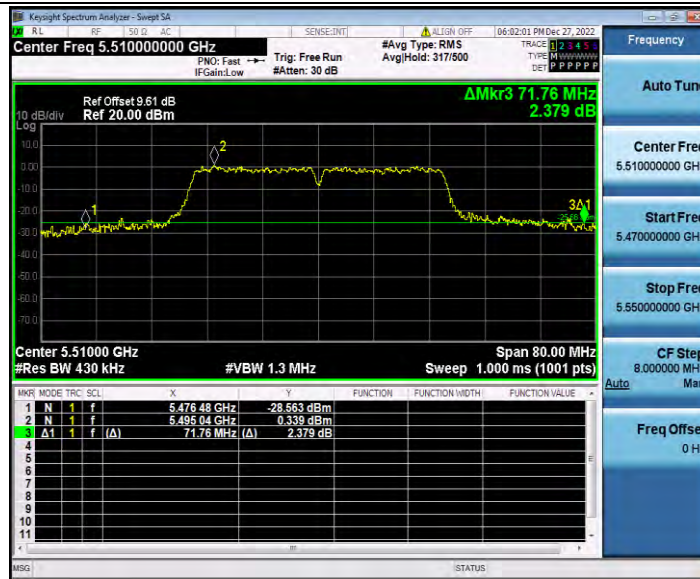
11AC20SISO_Ant1_5600



11AC20SISO_Ant1_5700



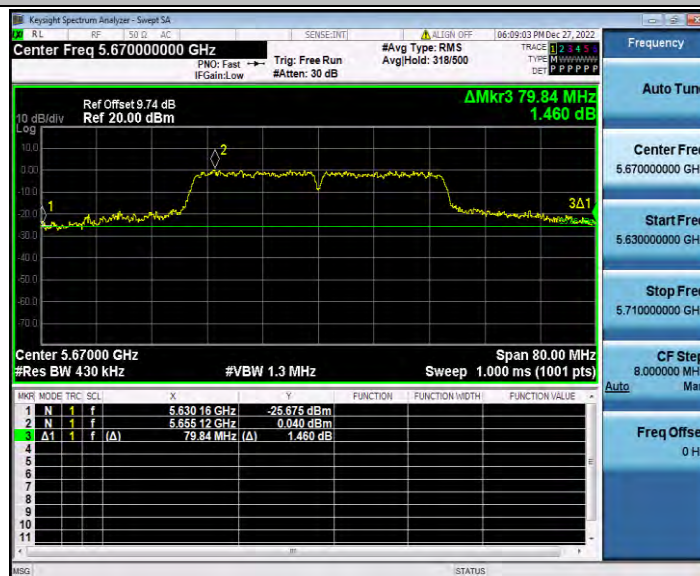
11AC40SISO_Ant1_5510



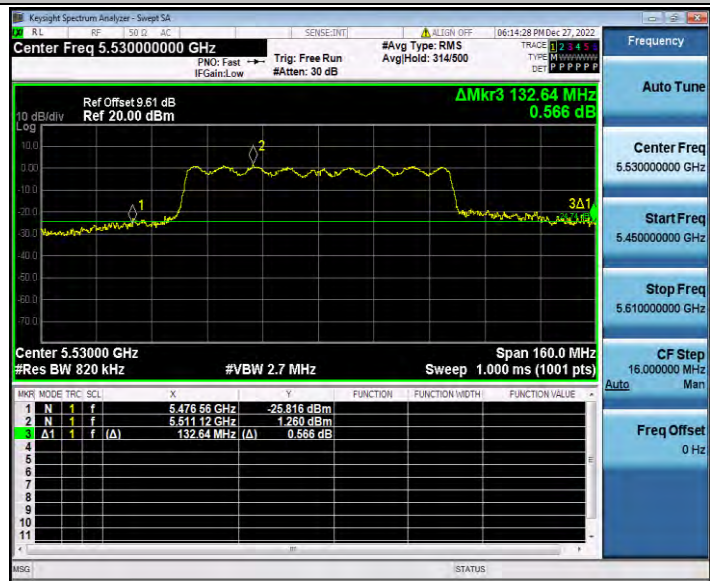
11AC40SISO_Ant1_5590



11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



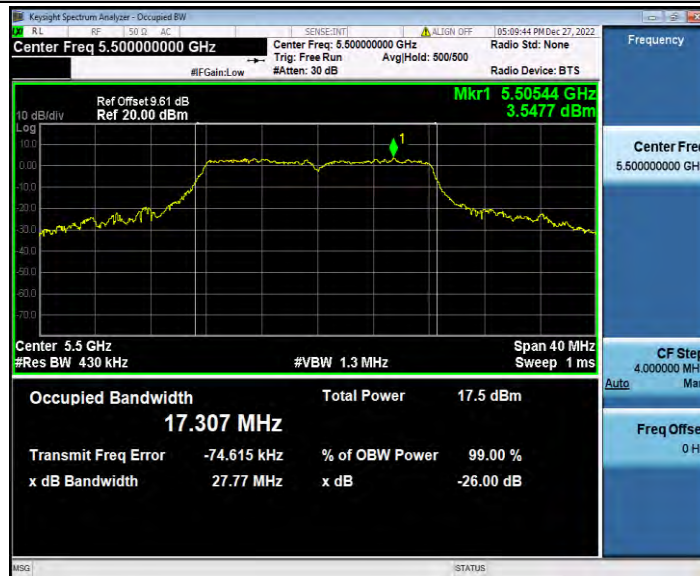
Appendix D.2: Occupied channel bandwidth

Test Result

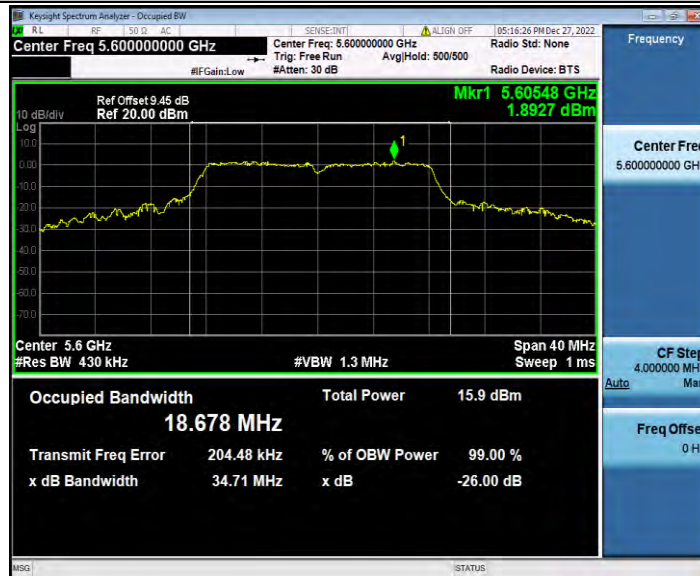
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	17.307	5491.272	5508.579	---	---
		5600	18.678	5590.865	5609.543	---	---
		5700	22.065	5689.705	5711.770	---	---
11N20SISO	Ant1	5500	18.106	5490.921	5509.027	---	---
		5600	18.748	5590.738	5609.486	---	---
		5700	21.760	5689.776	5711.536	---	---
11N40SISO	Ant1	5510	37.510	5491.401	5528.911	---	---
		5590	40.212	5571.119	5611.331	---	---
		5670	45.080	5649.765	5694.845	---	---
11AC20SISO	Ant1	5500	18.328	5490.863	5509.191	---	---
		5600	22.251	5589.838	5612.089	---	---
		5700	26.746	5687.169	5713.915	---	---
11AC40SISO	Ant1	5510	37.404	5491.410	5528.814	---	---
		5590	39.433	5571.155	5610.588	---	---
		5670	45.562	5649.662	5695.224	---	---
11AC80SISO	Ant1	5530	77.619	5491.722	5569.341	---	---
		5610	87.640	5571.612	5659.252	---	---

Test Graphs

11A_Ant1_5500



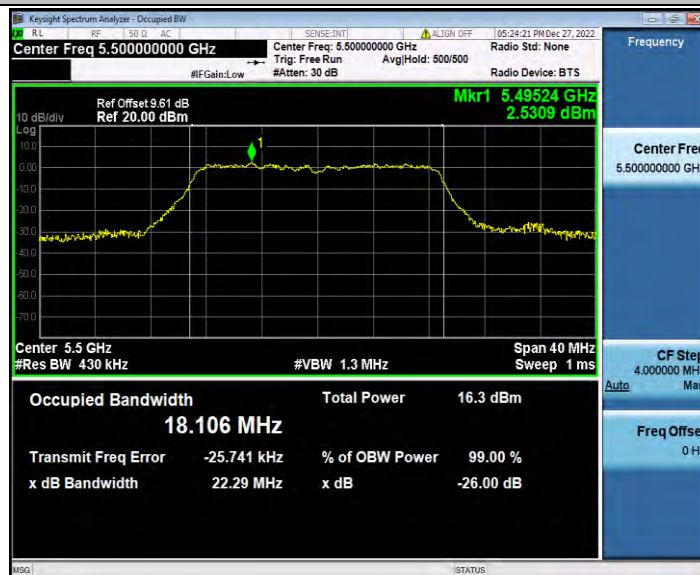
11A_Ant1_5600



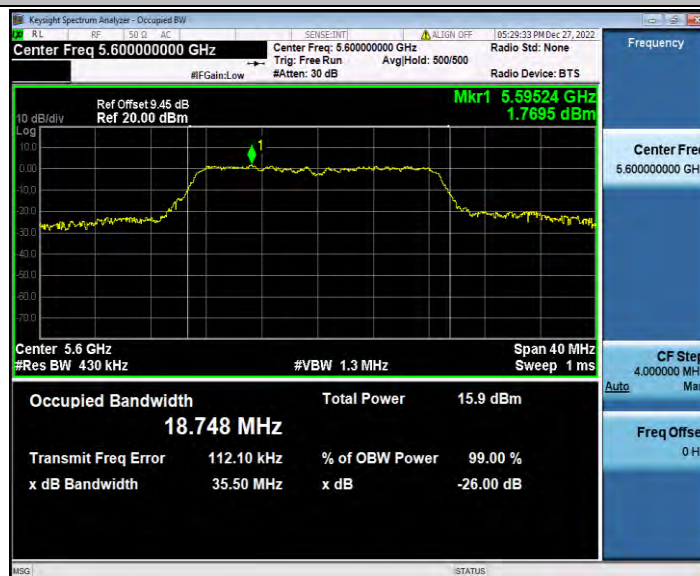
11A_Ant1_5700



11N20SISO_Ant1_5500



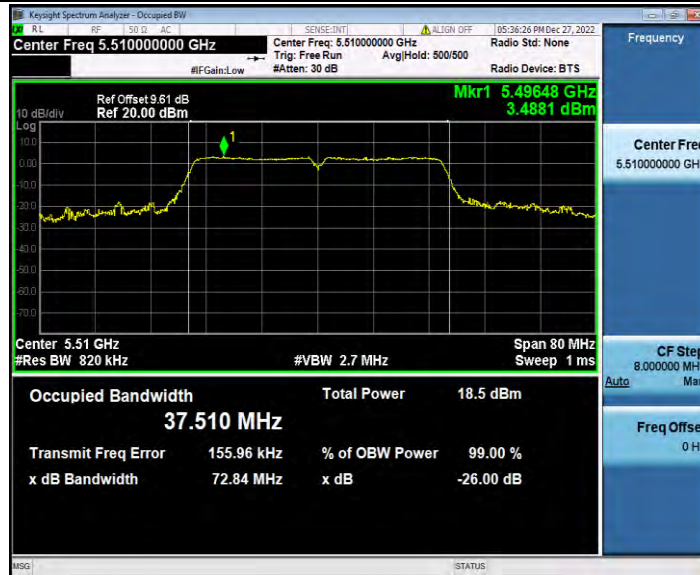
11N20SISO_Ant1_5600



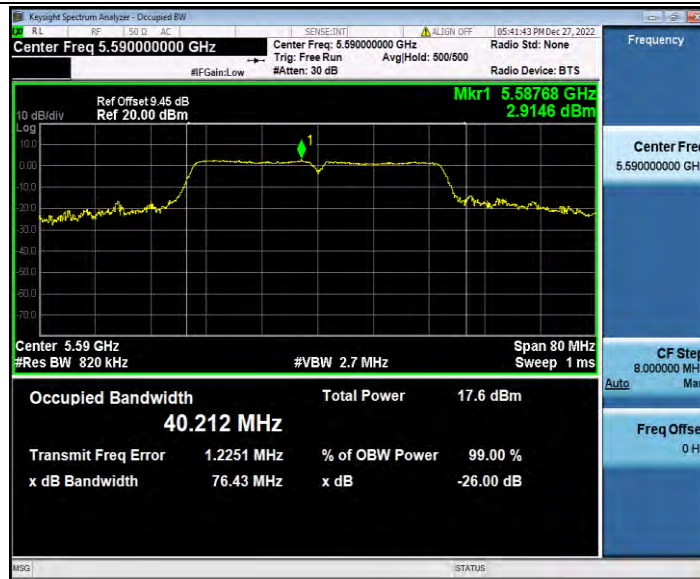
11N20SISO_Ant1_5700



11N40SISO_Ant1_5510



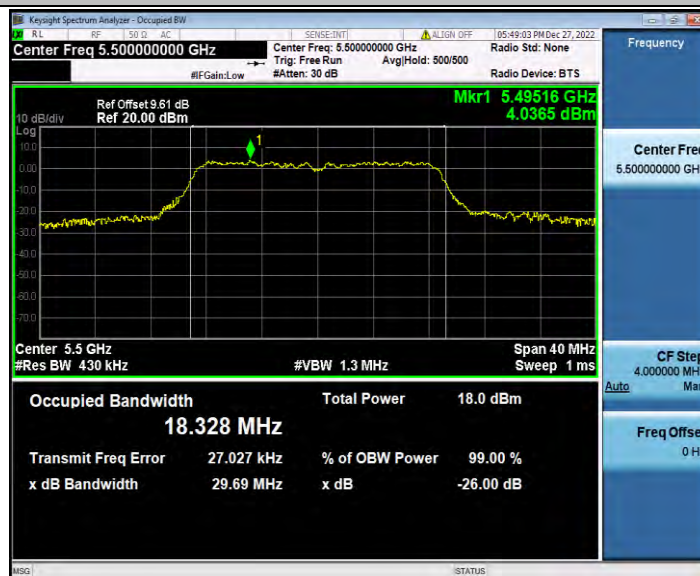
11N40SISO_Ant1_5590



11N40SISO_Ant1_5670



11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5600



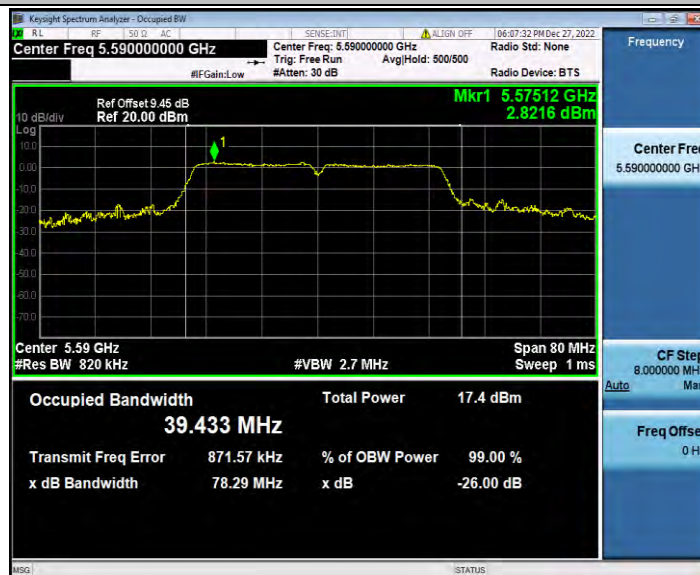
11AC20SISO_Ant1_5700



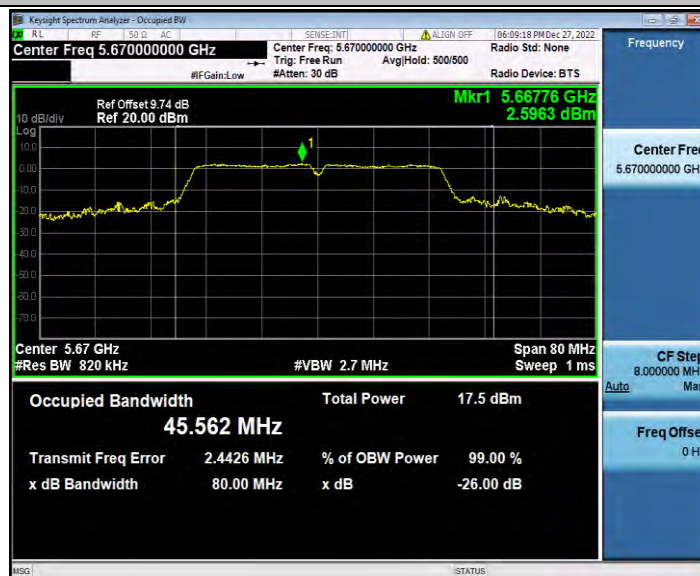
11AC40SISO_Ant1_5510



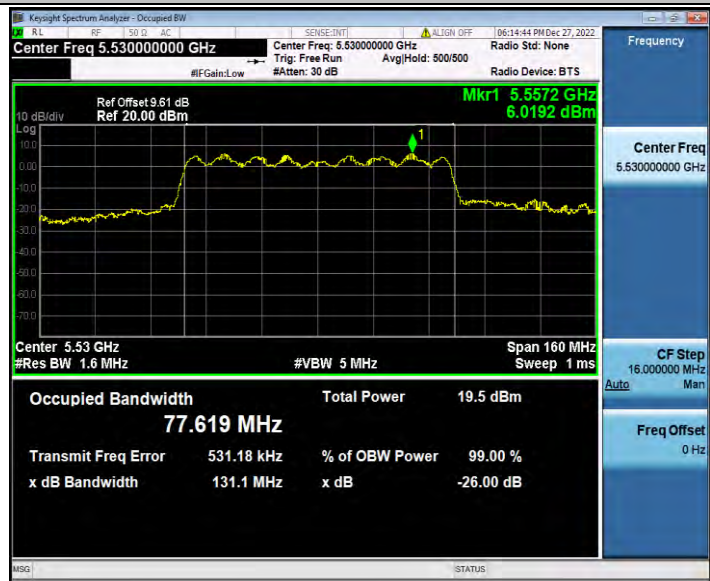
11AC40SISO_Ant1_5590



11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



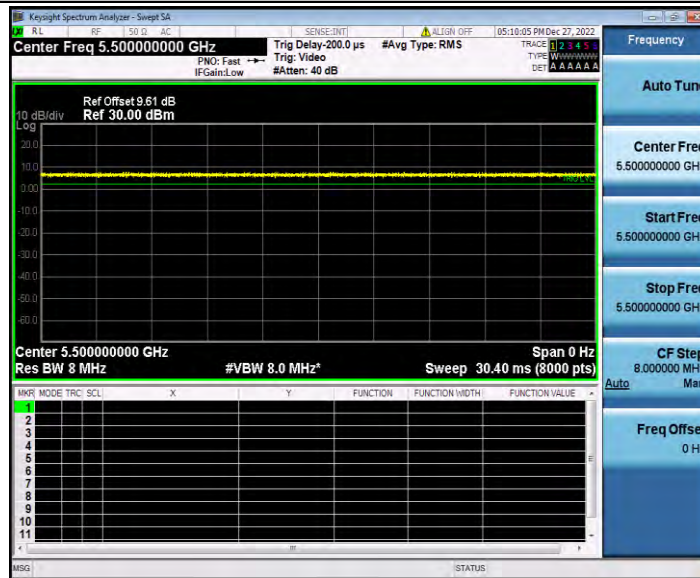
Appendix D.3: Duty Cycle

Test Result

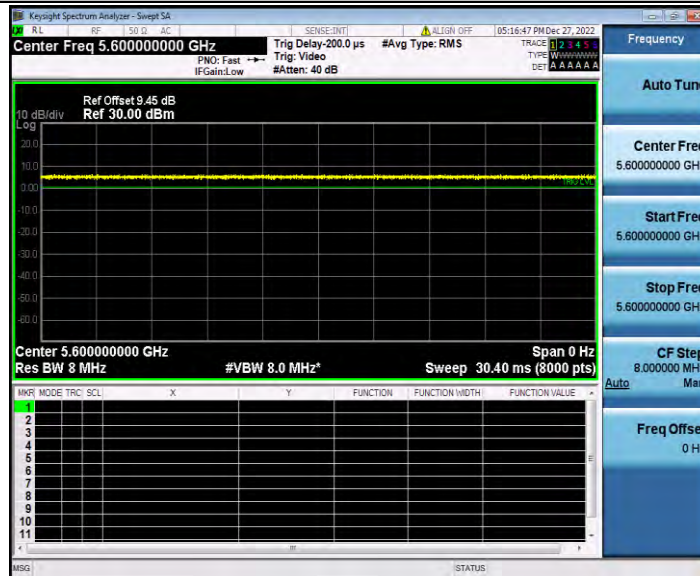
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5500	30.00	30.00	100.00
		5600	30.00	30.00	100.00
		5700	30.00	30.00	100.00
11N20SISO	Ant1	5500	30.00	30.00	100.00
		5600	30.00	30.00	100.00
		5700	30.00	30.00	100.00
11N40SISO	Ant1	5510	30.00	30.00	100.00
		5590	30.00	30.00	100.00
		5670	30.00	30.00	100.00
11AC20SISO	Ant1	5500	30.00	30.00	100.00
		5600	30.00	30.00	100.00
		5700	30.00	30.00	100.00
11AC40SISO	Ant1	5510	30.00	30.00	100.00
		5590	30.00	30.00	100.00
		5670	30.00	30.00	100.00
11AC80SISO	Ant1	5530	30.00	30.00	100.00
		5610	30.00	30.00	100.00

Test Graphs

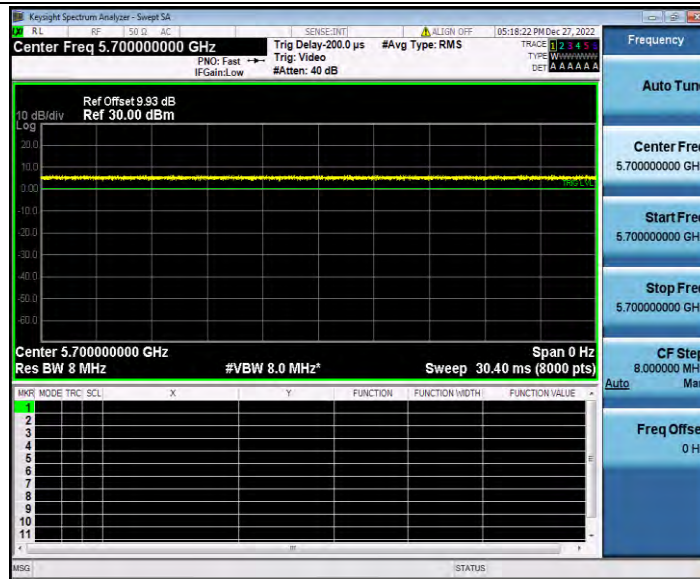
11A_Ant1_5500



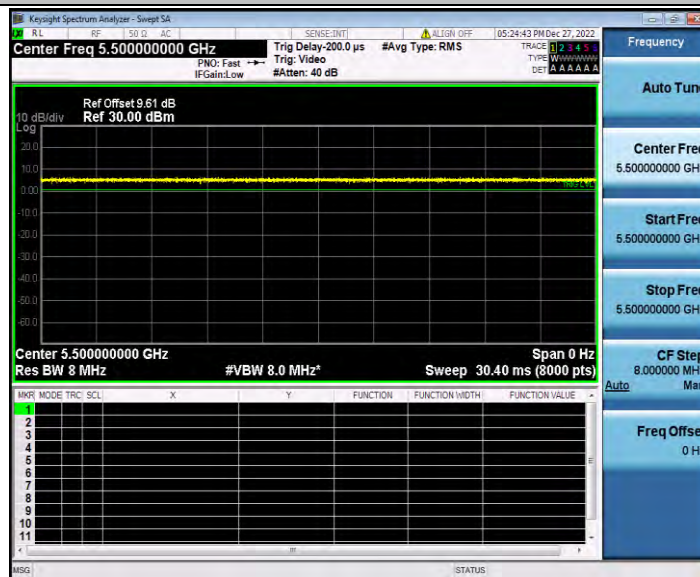
11A_Ant1_5600



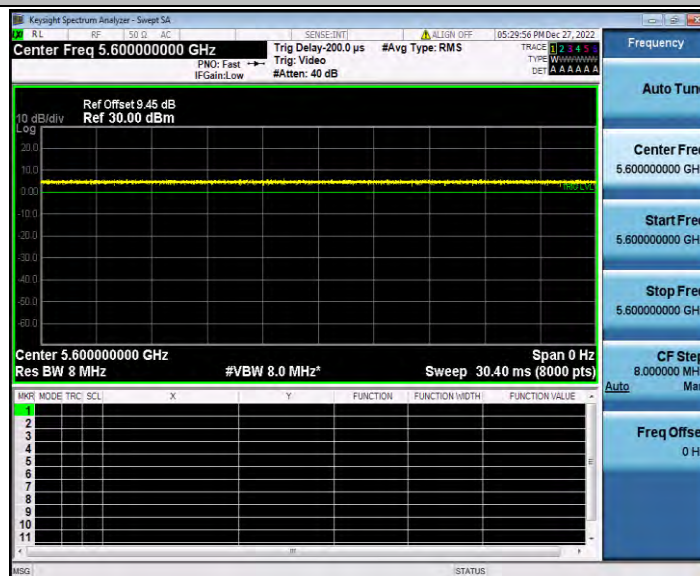
11A_Ant1_5700



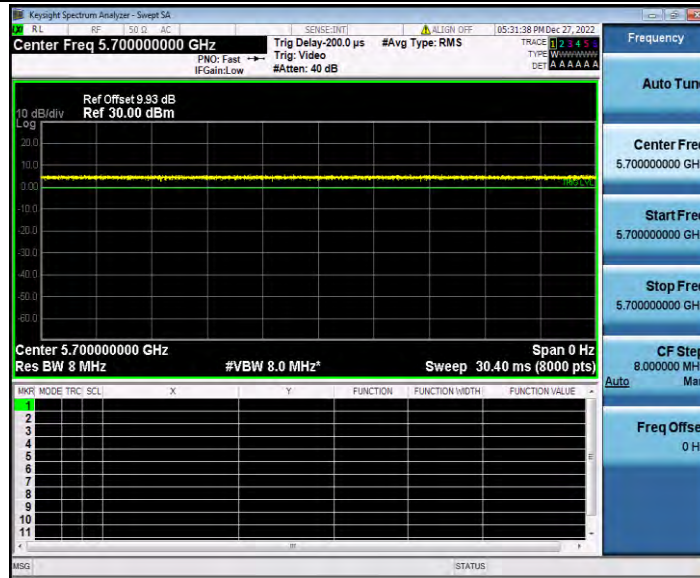
11N20SISO_Ant1_5500



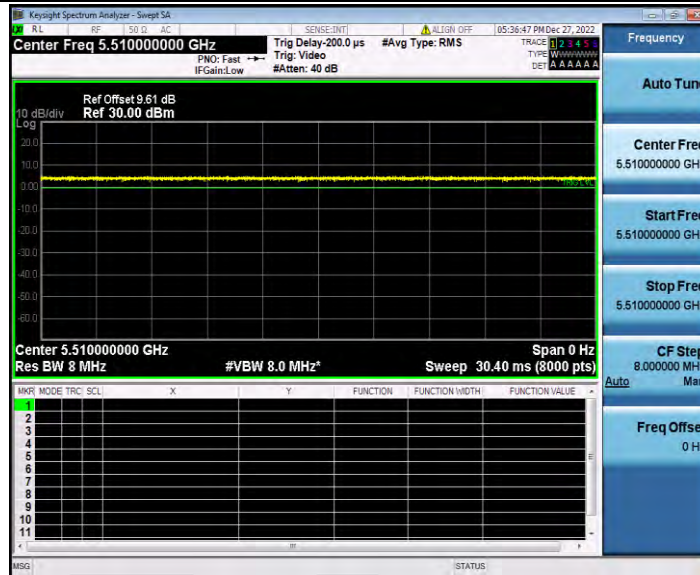
11N20SISO_Ant1_5600



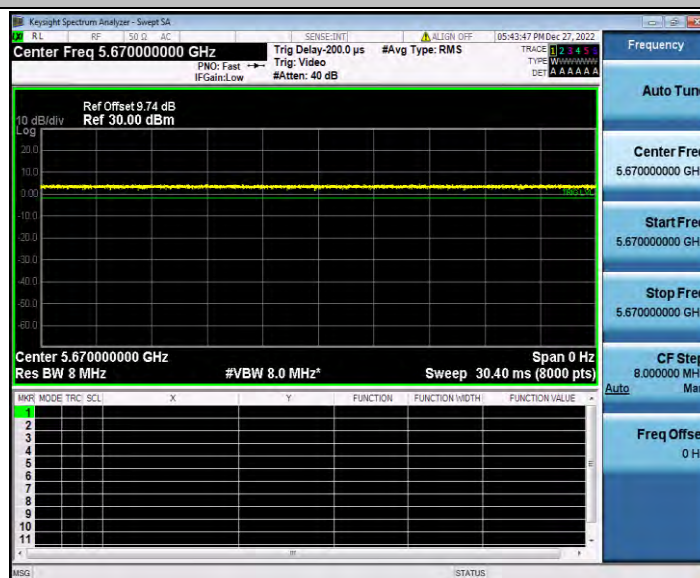
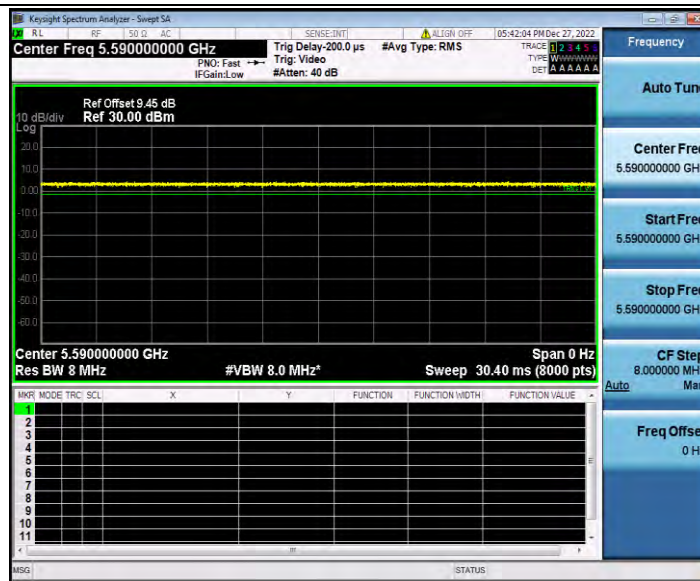
11N20SISO_Ant1_5700



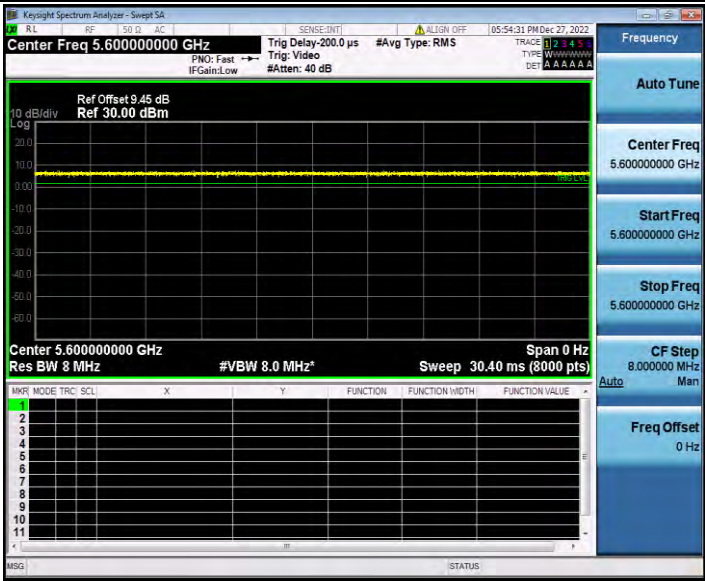
11N40SISO_Ant1_5510



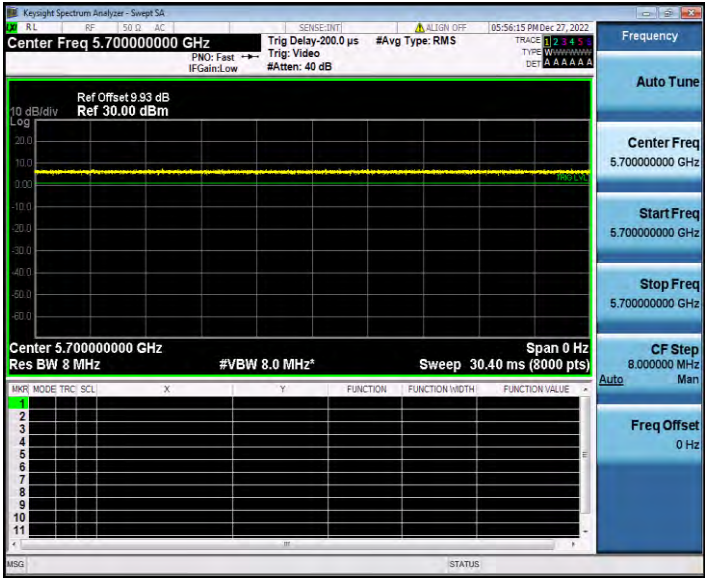
11N40SISO_Ant1_5590



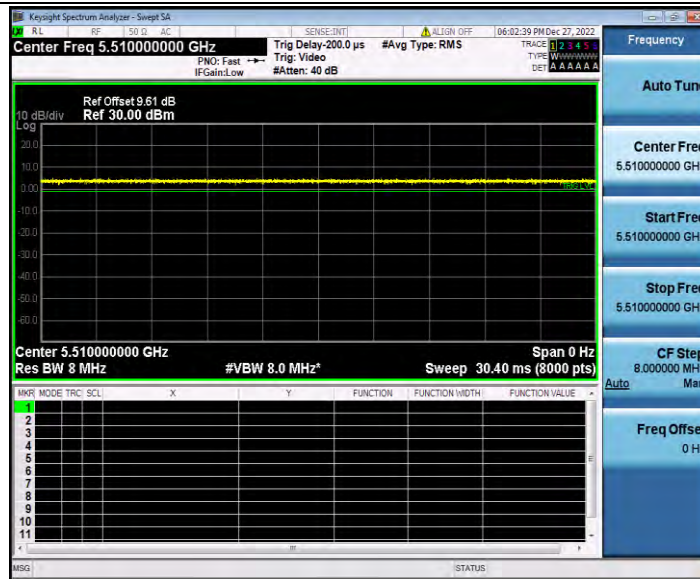
11AC20SISO_Ant1_5600



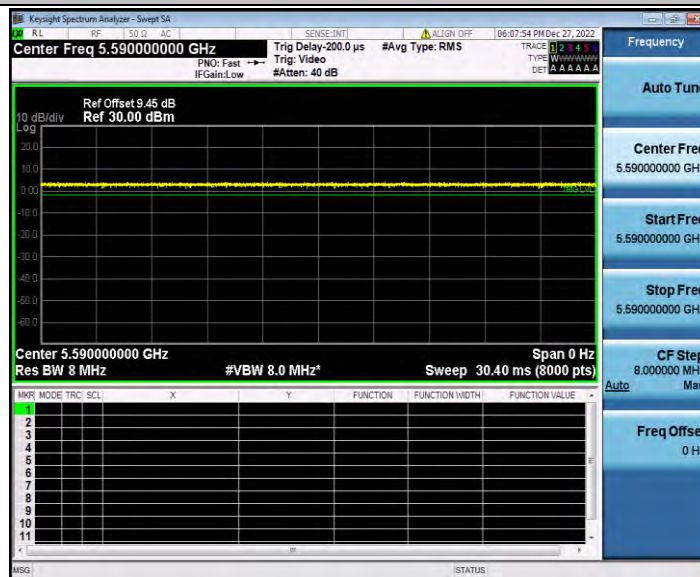
11AC20SISO_Ant1_5700



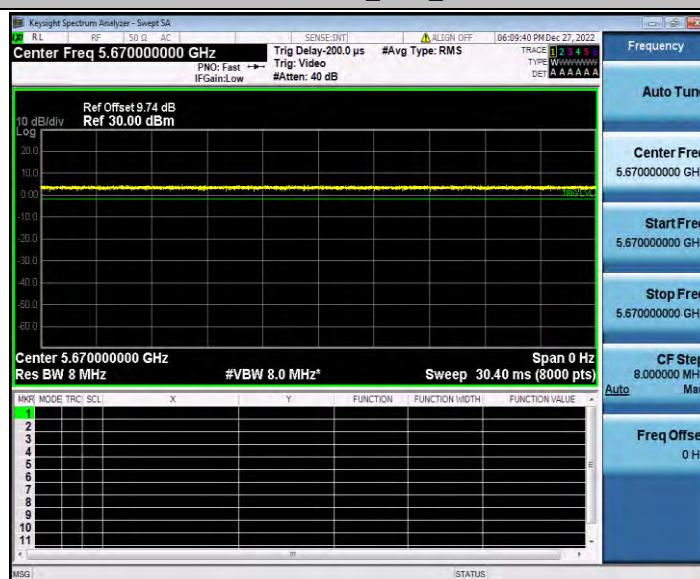
11AC40SISO_Ant1_5510



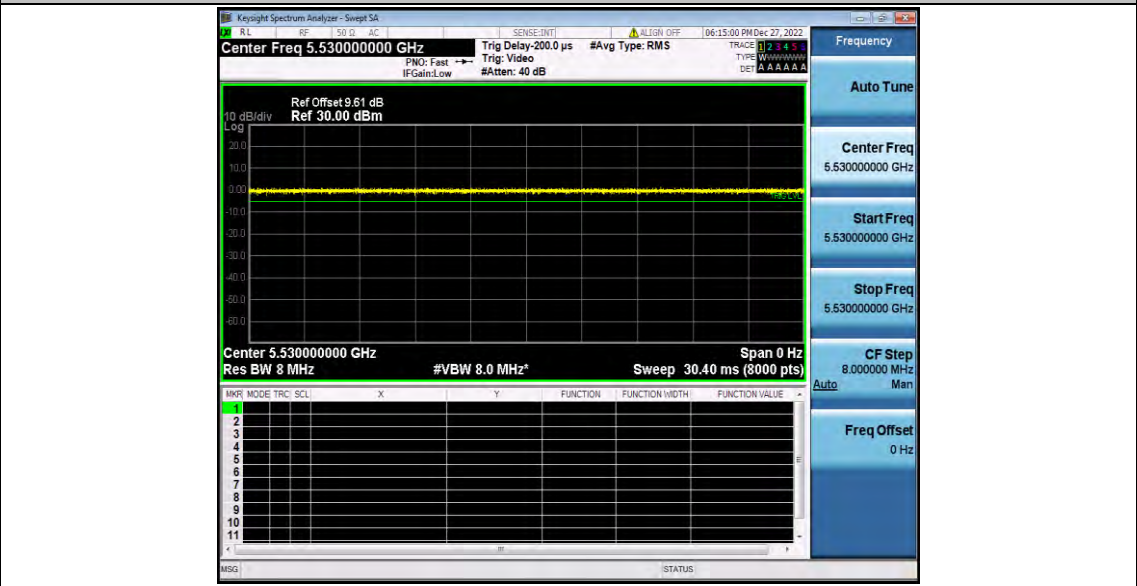
11AC40SISO_Ant1_5590



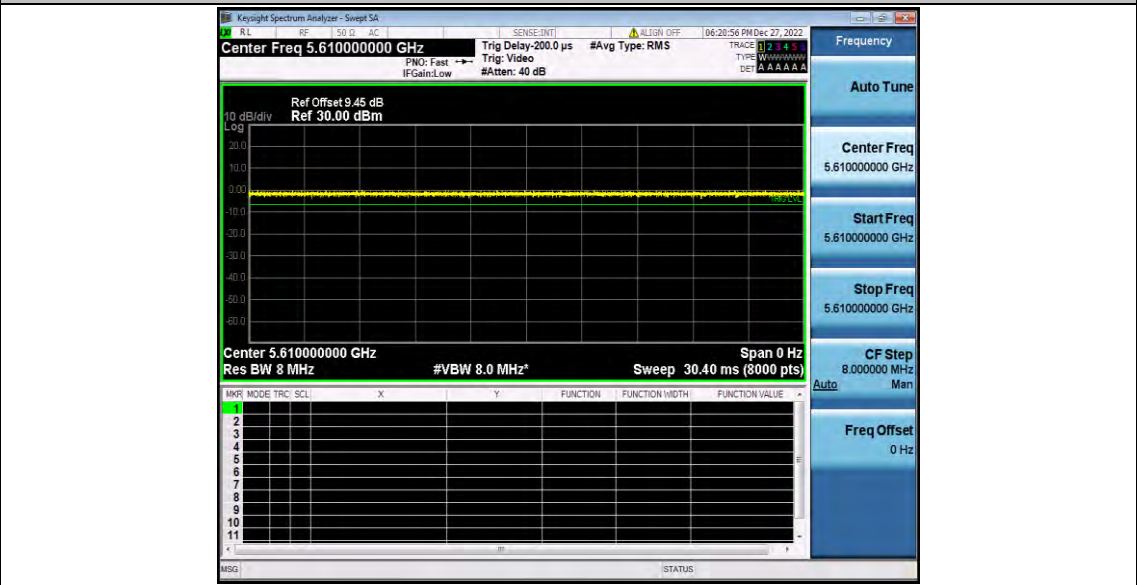
11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



Appendix D.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[M Hz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5500	10.74	100.00	0.00	10.74	≤23.98	PASS
		5600	9.30	100.00	0.00	9.30	≤23.98	PASS
		5700	9.13	100.00	0.00	9.13	≤23.98	PASS
11N20SISO	Ant1	5500	9.52	100.00	0.00	9.52	≤23.98	PASS
		5600	8.97	100.00	0.00	8.97	≤23.98	PASS
		5700	8.61	100.00	0.00	8.61	≤23.98	PASS
11N40SISO	Ant1	5510	10.99	100.00	0.00	10.99	≤23.98	PASS
		5590	10.01	100.00	0.00	10.01	≤23.98	PASS
		5670	10.06	100.00	0.00	10.06	≤23.98	PASS
11AC20SISO	Ant1	5500	11.00	100.00	0.00	11.00	≤23.98	PASS
		5600	10.37	100.00	0.00	10.37	≤23.98	PASS
		5700	10.05	100.00	0.00	10.05	≤23.98	PASS
11AC40SISO	Ant1	5510	10.50	100.00	0.00	10.50	≤23.98	PASS
		5590	9.83	100.00	0.00	9.83	≤23.98	PASS
		5670	10.04	100.00	0.00	10.04	≤23.98	PASS
11AC80SISO	Ant1	5530	10.28	100.00	0.00	10.28	≤23.98	PASS
		5610	9.07	100.00	0.00	9.07	≤23.98	PASS

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

Appendix D.5: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5500	-1.17	≤11.00	PASS
		5600	-2.32	≤11.00	PASS
		5700	-2.57	≤11.00	PASS
11N20SISO	Ant1	5500	-2.47	≤11.00	PASS
		5600	-2.94	≤11.00	PASS
		5700	-3.33	≤11.00	PASS
11N40SISO	Ant1	5510	-7.87	≤11.00	PASS
		5590	-4.39	≤11.00	PASS
		5670	-4.73	≤11.00	PASS
11AC20SISO	Ant1	5500	-0.85	≤11.00	PASS
		5600	-1.46	≤11.00	PASS
		5700	-1.72	≤11.00	PASS
11AC40SISO	Ant1	5510	-4.11	≤11.00	PASS
		5590	-4.52	≤11.00	PASS
		5670	-4.76	≤11.00	PASS
11AC80SISO	Ant1	5530	-6.35	≤11.00	PASS
		5610	-7.08	≤11.00	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_5500



11A_Ant1_5600



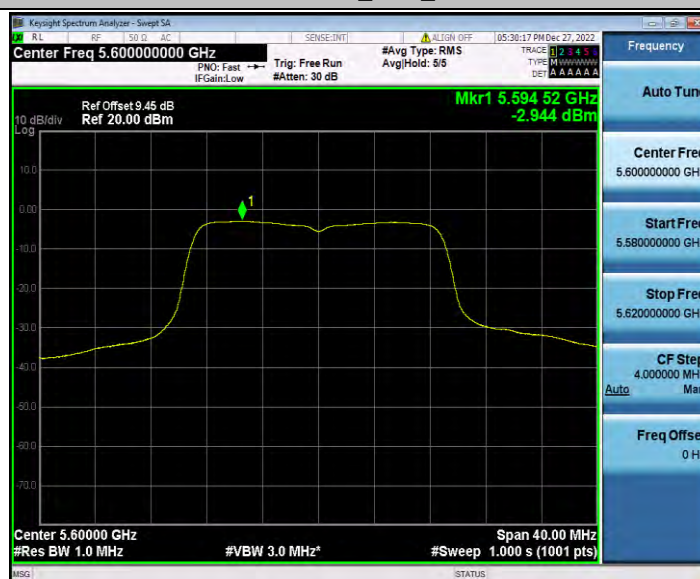
11A_Ant1_5700



11N20SISO_Ant1_5500



11N20SISO_Ant1_5600



11N20SISO_Ant1_5700



11N40SISO_Ant1_5510



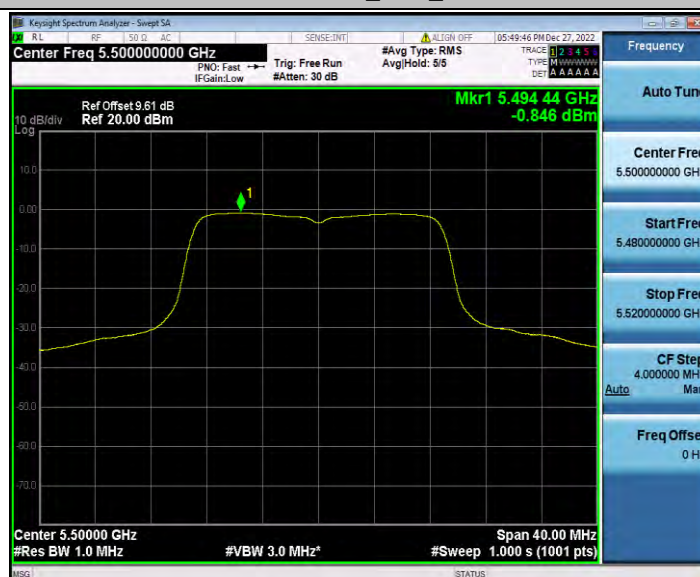
11N40SISO_Ant1_5590



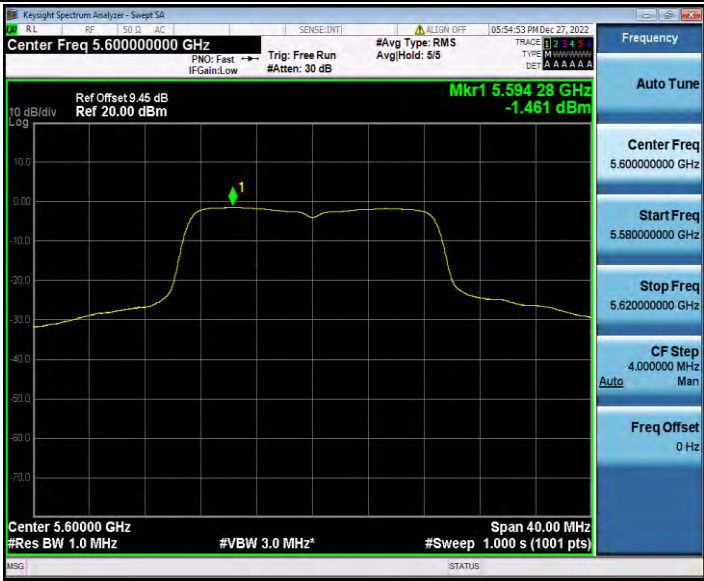
11N40SISO_Ant1_5670



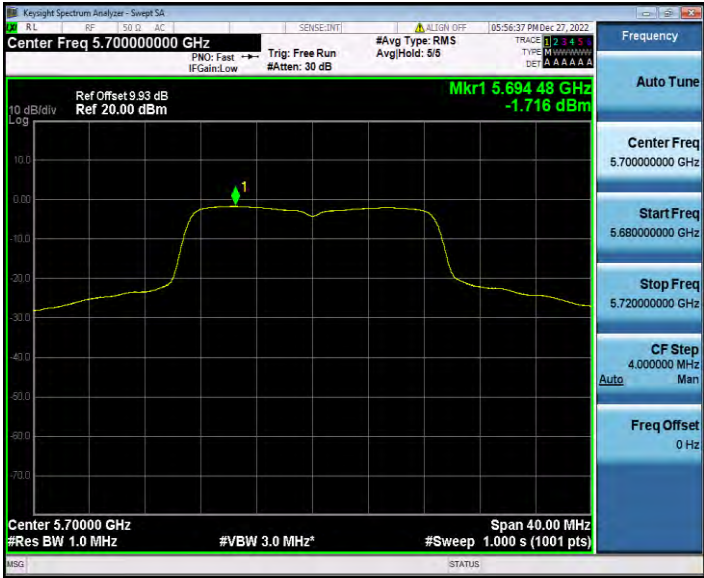
11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5600



11AC20SISO_Ant1_5700



11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5590



11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



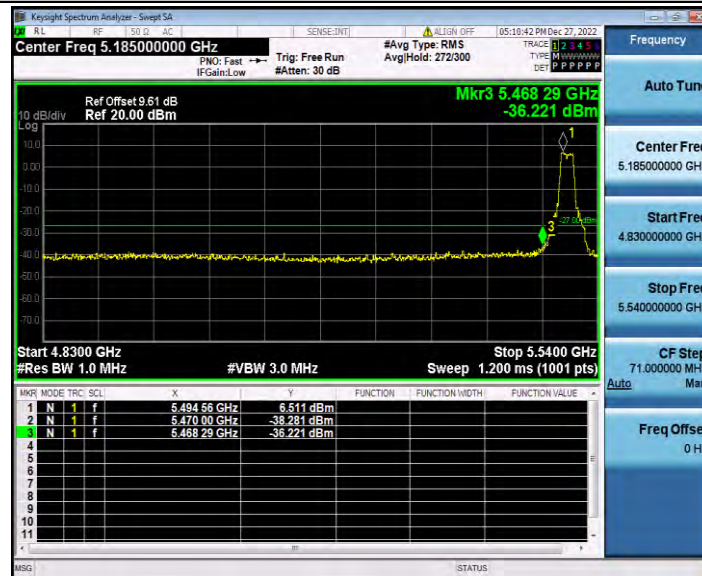
Appendix D.6: Band edge measurements

Test Result B3

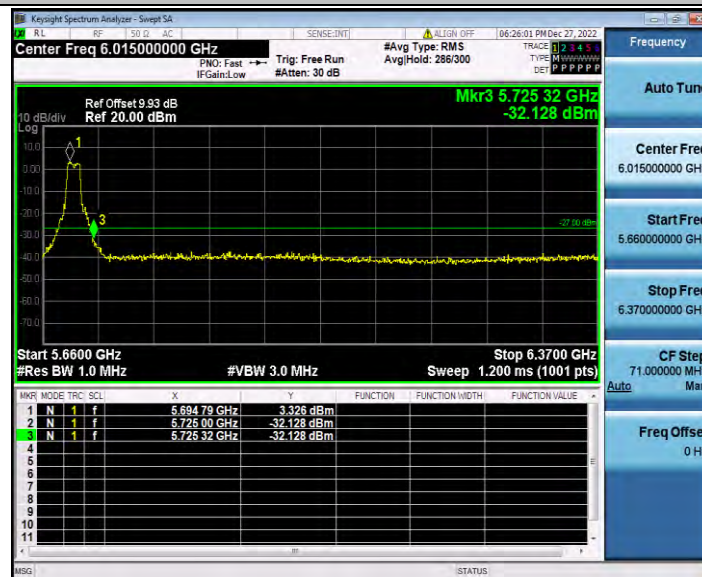
TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5500	-36.22	≤-27	PASS
		High	5700	-32.13	≤-27	PASS
11N20SISO	Ant1	Low	5500	-36.71	≤-27	PASS
		High	5700	-31.32	≤-27	PASS
11N40SISO	Ant1	Low	5510	-36.99	≤-27	PASS
		High	5670	-27.85	≤-27	PASS
11AC20SISO	Ant1	Low	5500	-37.86	≤-27	PASS
		High	5700	-32.75	≤-27	PASS
11AC40SISO	Ant1	Low	5510	-36.39	≤-27	PASS
		High	5670	-38.75	≤-27	PASS
11AC80SISO	Ant1	Low	5530	-34.62	≤-27	PASS
		High	5610	-38.22	≤-27	PASS

Test Graphs B3

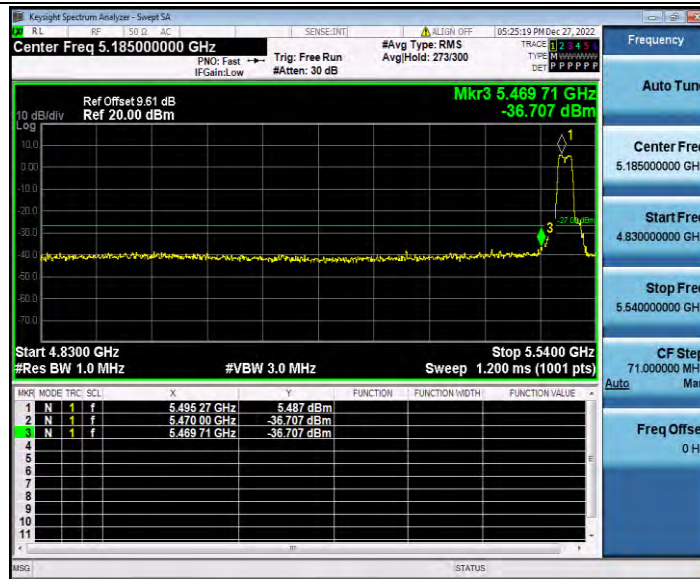
11A_Ant1_Low_5500



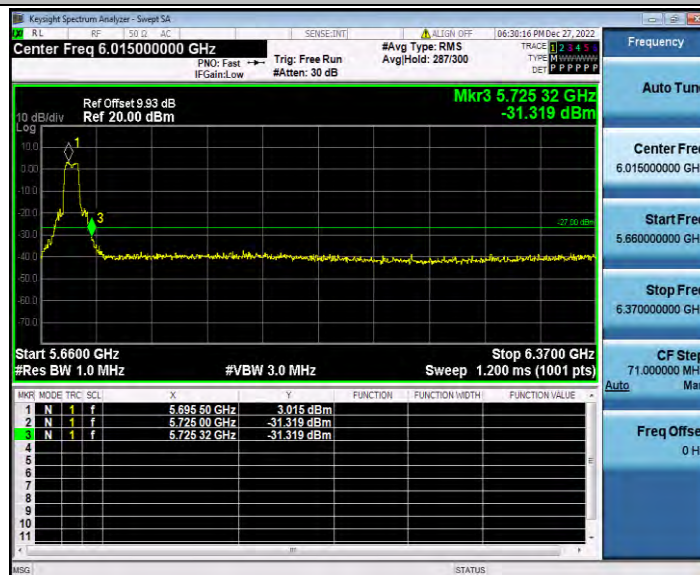
11A_Ant1_High_5700



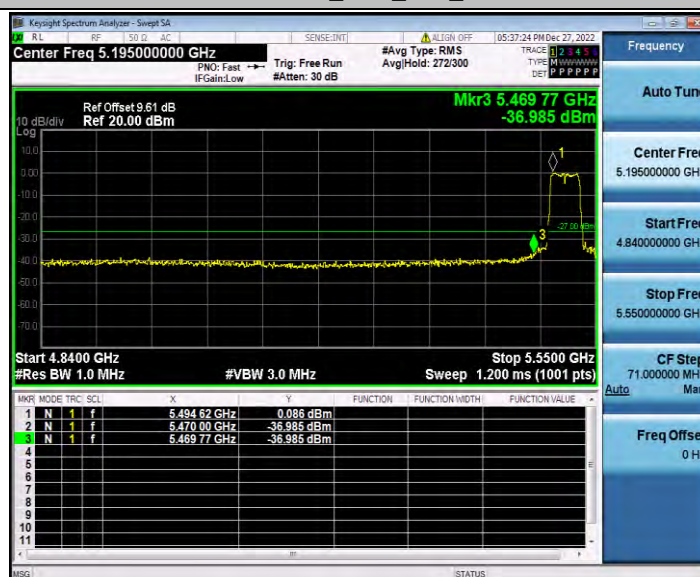
11N20SISO_Ant1_Low_5500



11N20SISO_Ant1_High_5700



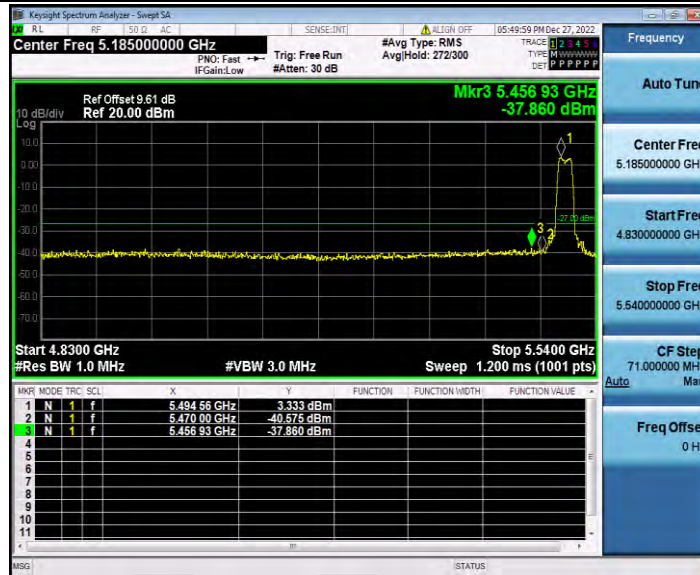
11N40SISO_Ant1_Low_5510



11N40SISO_Ant1_High_5670



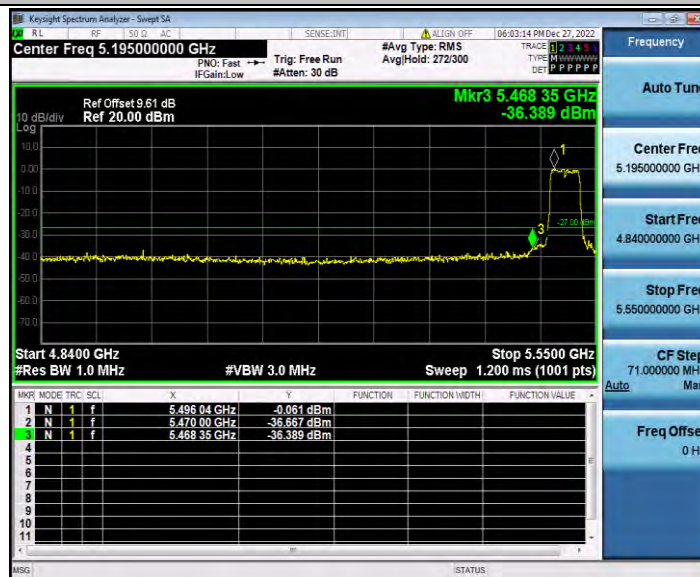
11AC20SISO_Ant1_Low_5500



11AC20SISO_Ant1_High_5700



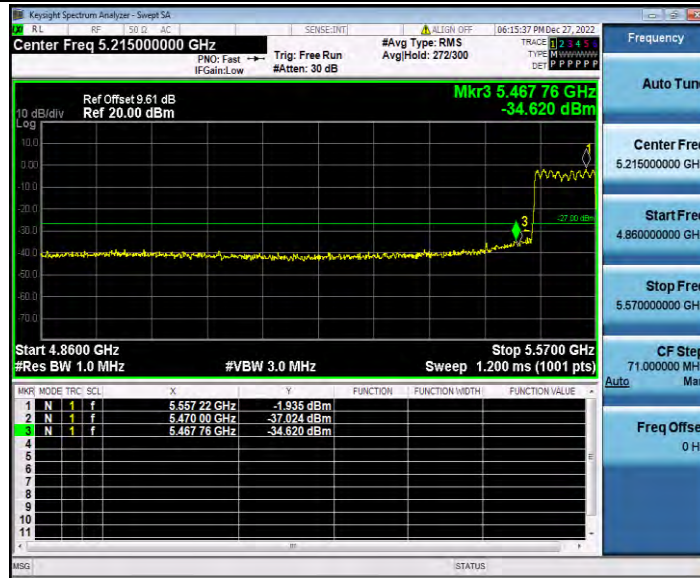
11AC40SISO_Ant1_Low_5510



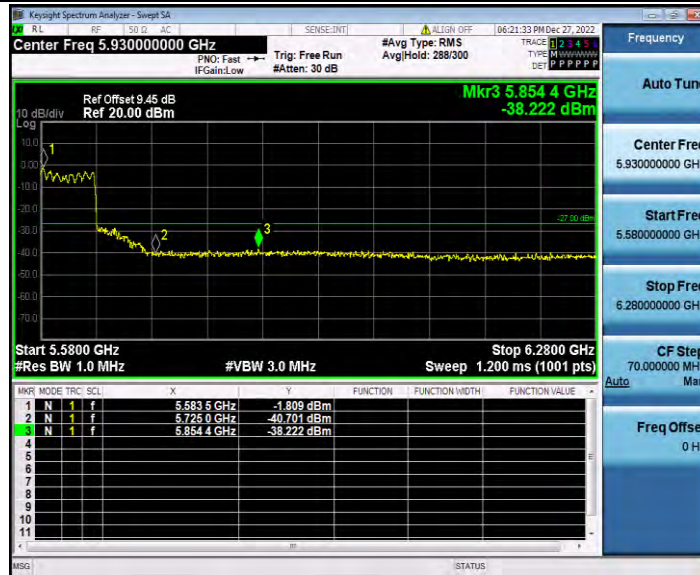
11AC40SISO_Ant1_High_5670



11AC80SISO_Ant1_Low_5530



11AC80SISO_Ant1_High_5610



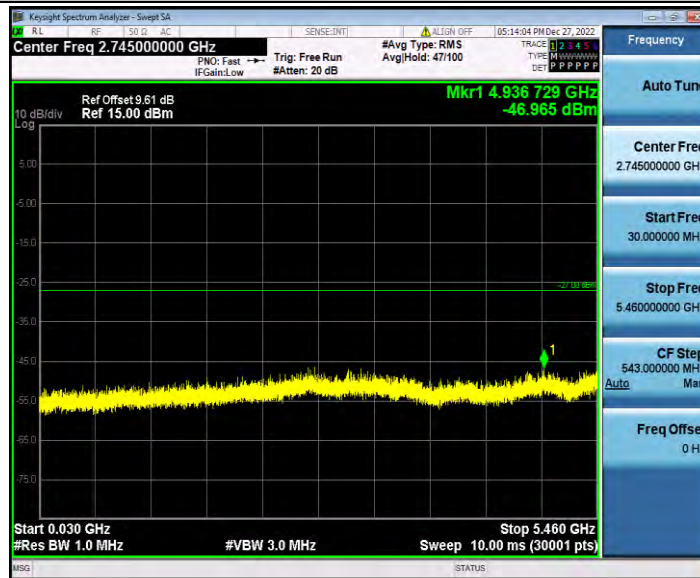
Appendix D.7: Conducted Spurious Emission

Test Result

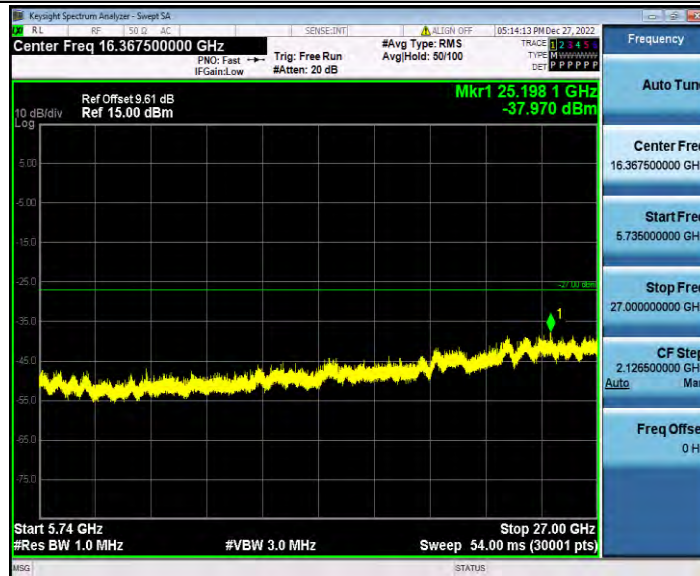
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5500	30~5460	4936.73	-46.97	≤-27	PASS
			5735~40000	25198.15	-37.97	≤-27	PASS
		5600	30~5460	5416.92	-46.79	≤-27	PASS
			5735~40000	23541.6	-37.82	≤-27	PASS
		5700	30~5460	2724.37	-47.07	≤-27	PASS
			5735~40000	5735.71	-34.25	≤-27	PASS
11N20SISO	Ant1	5500	30~5460	2617.21	-46.47	≤-27	PASS
			5735~40000	24132.77	-38.23	≤-27	PASS
		5600	30~5460	5416.56	-46.7	≤-27	PASS
			5735~40000	24249.73	-38.32	≤-27	PASS
		5700	30~5460	1750.41	-34.64	≤-27	PASS
			5735~40000	5738.54	-36.61	≤-27	PASS
11N40SISO	Ant1	5510	30~5460	5459.46	-43.04	≤-27	PASS
			5735~40000	24324.86	-38.06	≤-27	PASS
		5590	30~5460	2643.1	-46.68	≤-27	PASS
			5735~40000	26904.31	-37.65	≤-27	PASS
		5670	30~5460	3303.93	-46.91	≤-27	PASS
			5735~40000	5737.13	-33.17	≤-27	PASS
11AC20SISO	Ant1	5500	30~5460	5458.19	-46.22	≤-27	PASS
			5735~40000	23544.44	-38.43	≤-27	PASS
		5600	30~5460	5458.19	-46.94	≤-27	PASS
			5735~40000	26540.68	-38.54	≤-27	PASS
		5700	30~5460	2666.08	-46.76	≤-27	PASS
			5735~40000	24292.97	-37.8	≤-27	PASS
11AC40SISO	Ant1	5510	30~5460	5457.1	-43.83	≤-27	PASS
			5735~40000	26046.62	-37.99	≤-27	PASS
		5590	30~5460	1747.51	-31.38	≤-27	PASS
			5735~40000	25617.78	-37.9	≤-27	PASS
		5670	30~5460	5432.31	-47.09	≤-27	PASS
			5735~40000	24214.29	-37.77	≤-27	PASS
11AC80SISO	Ant1	5530	30~5460	5459.28	-37.5	≤-27	PASS
			5735~40000	24229.88	-38.05	≤-27	PASS
		5610	30~5460	5438.46	-46.95	≤-27	PASS
			5735~40000	23618.16	-38.41	≤-27	PASS

Test Graphs

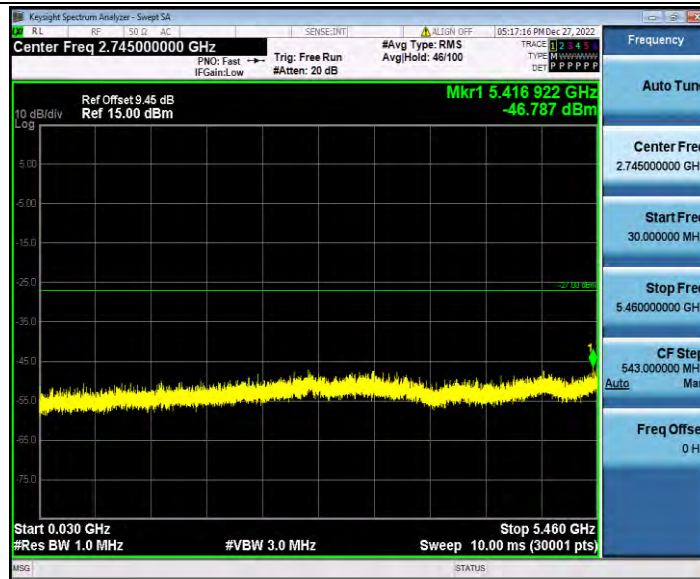
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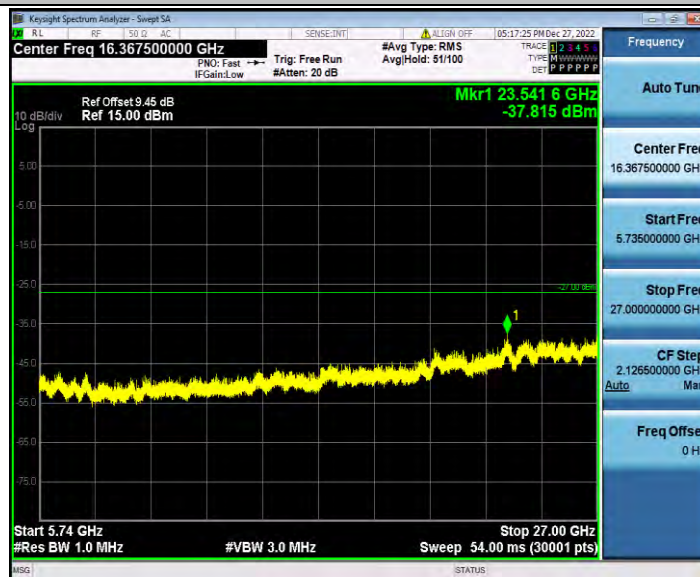
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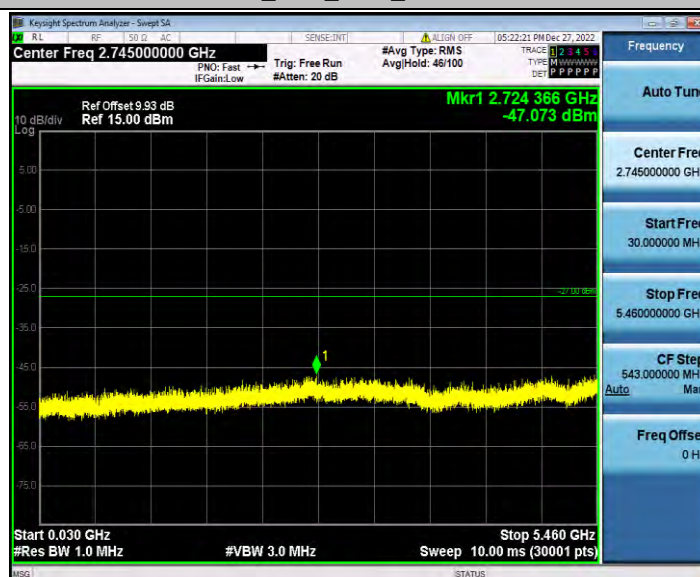
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11A_Ant1_5600_5735~40000



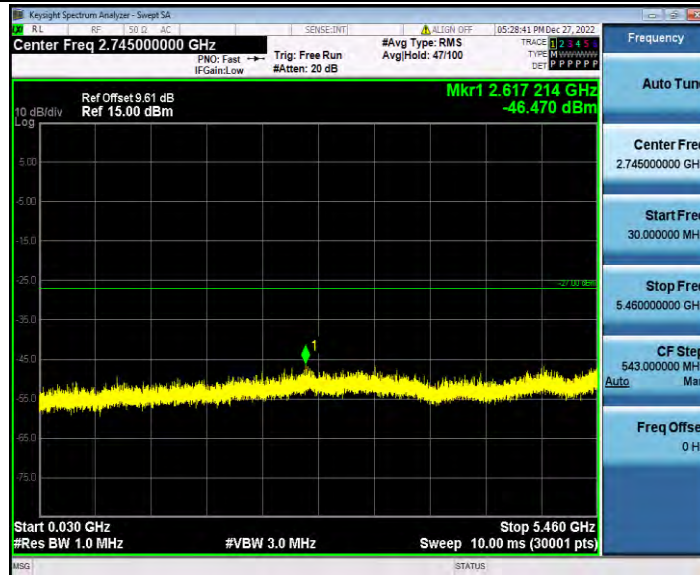
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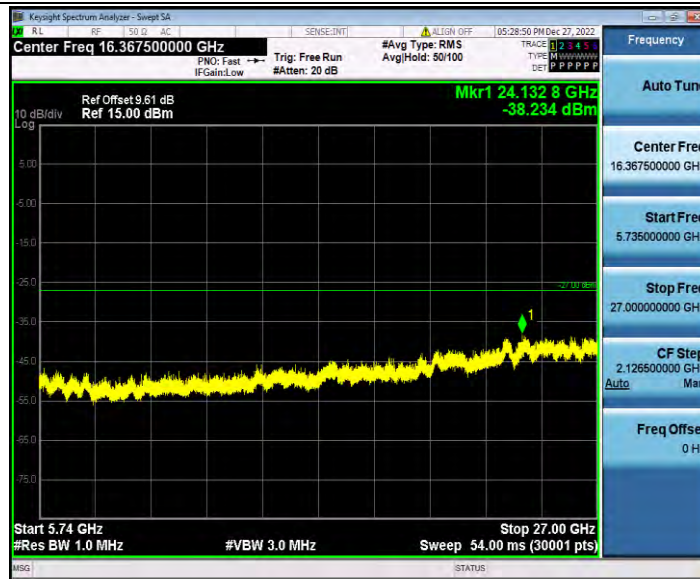
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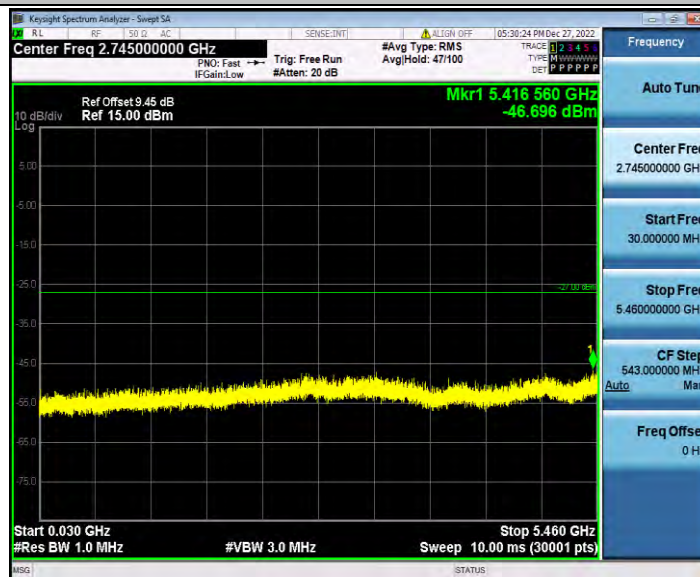
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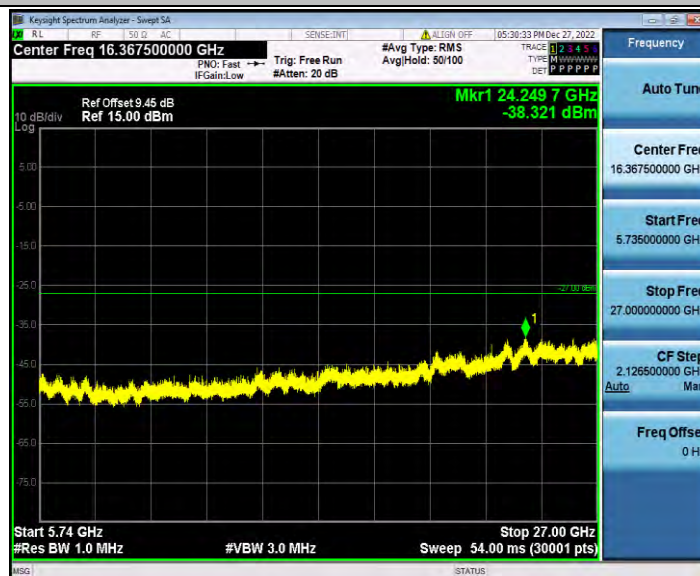
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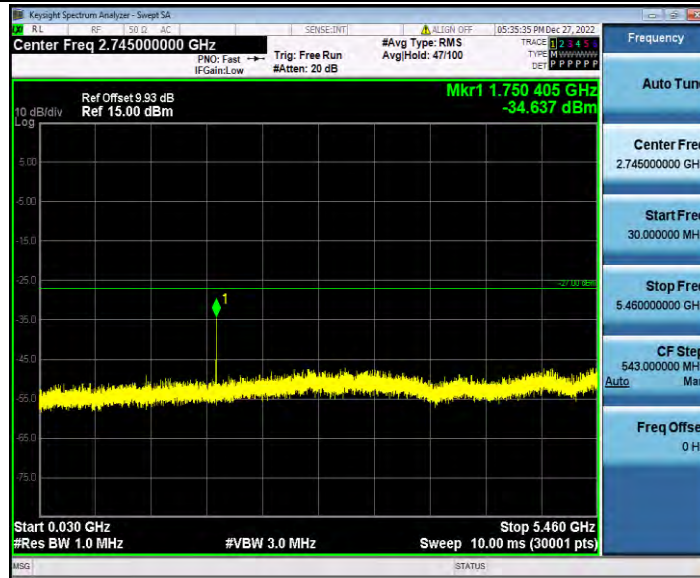
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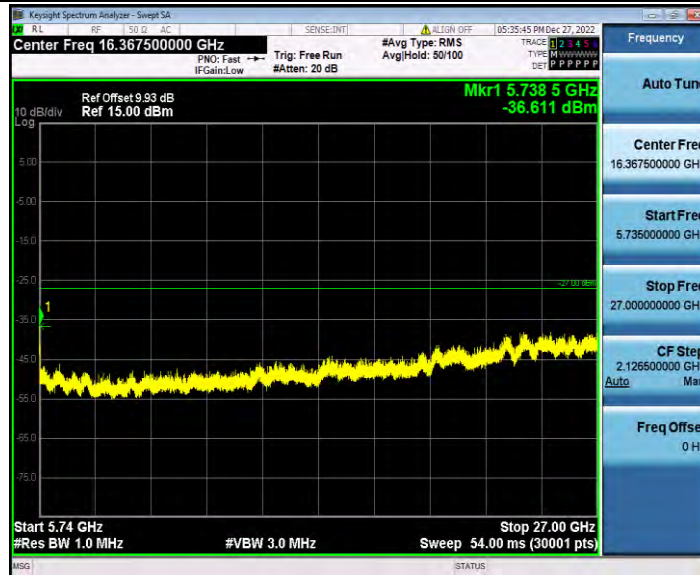
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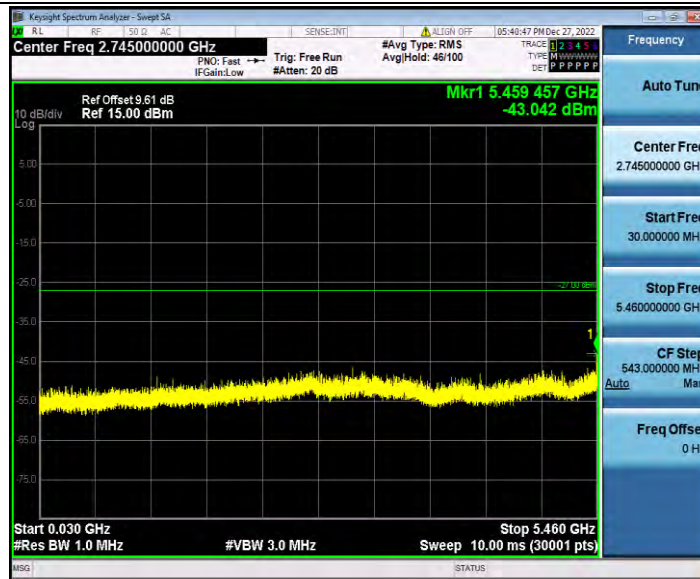
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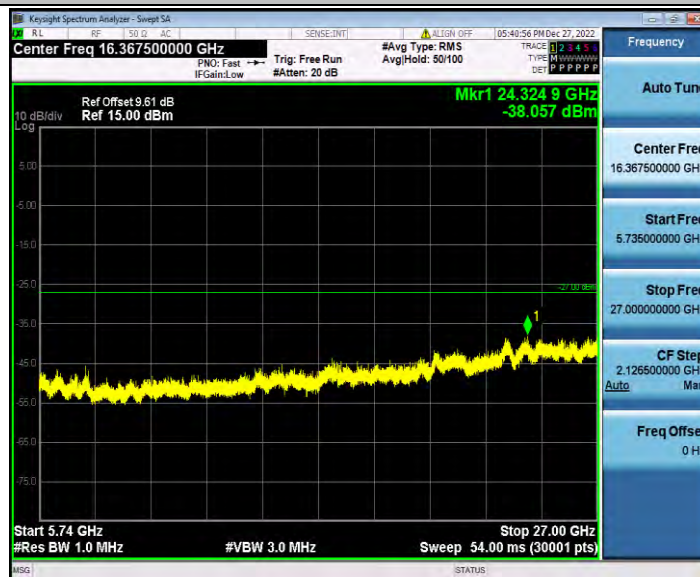
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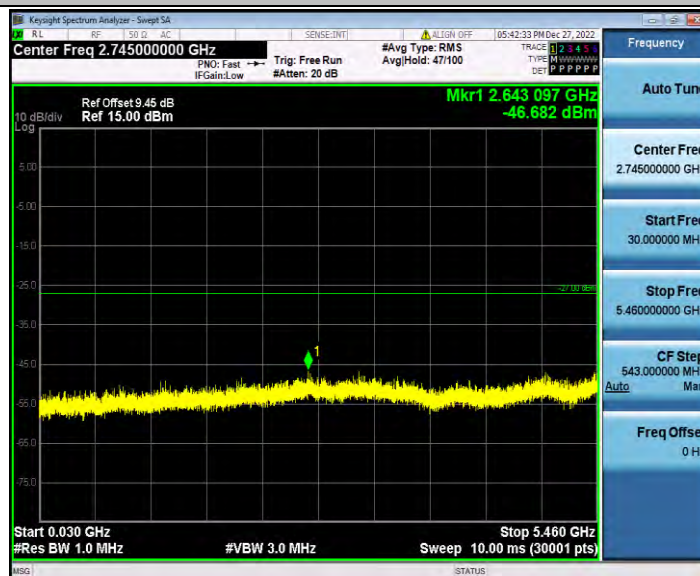
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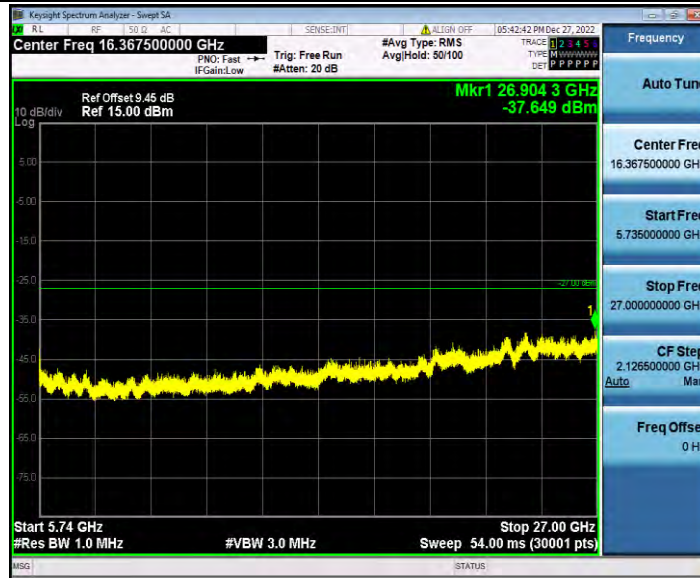
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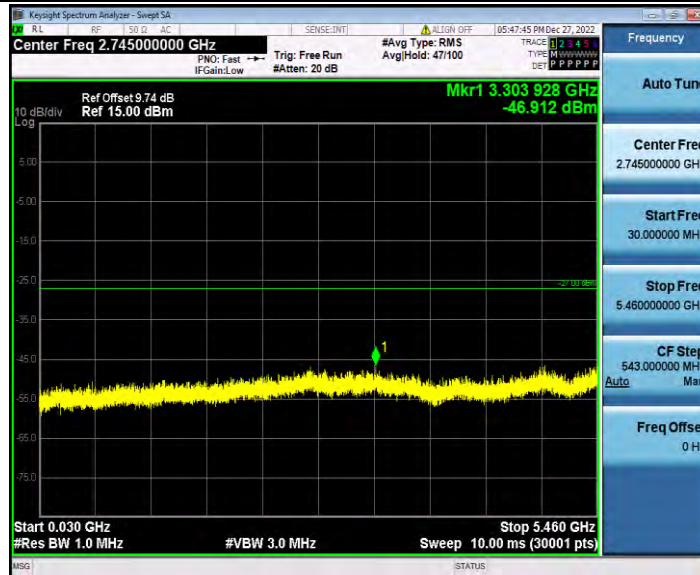
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11N40SISO_Ant1_5590_5735~40000



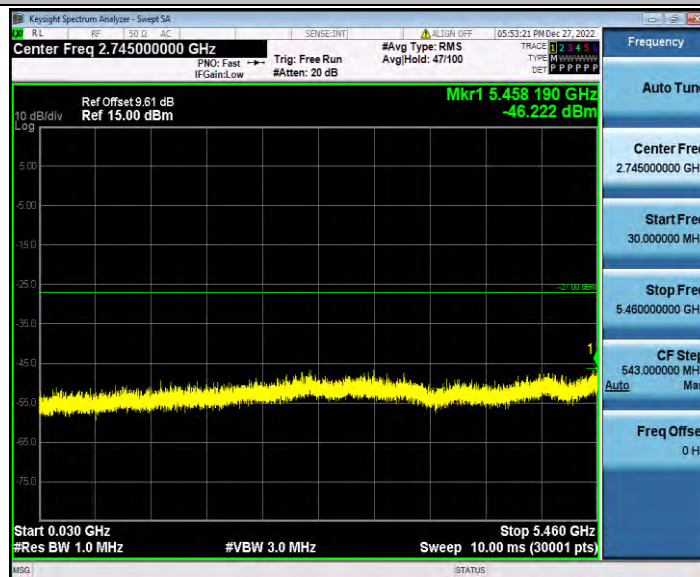
11N40SISO_Ant1_5670_30~5460



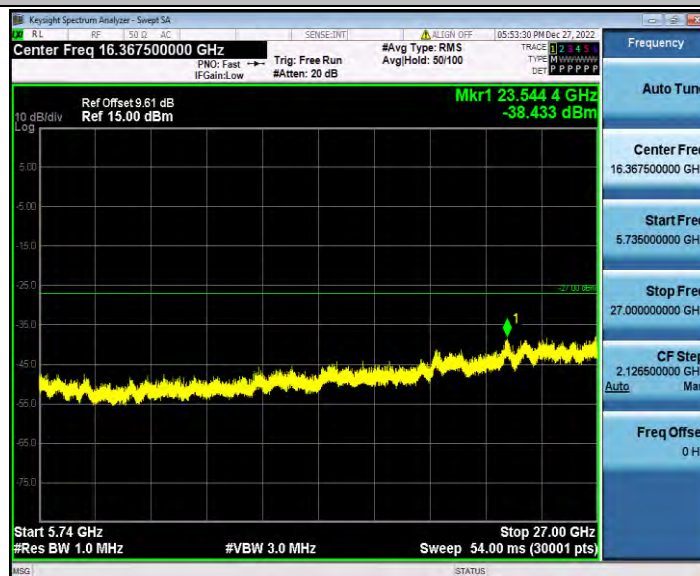
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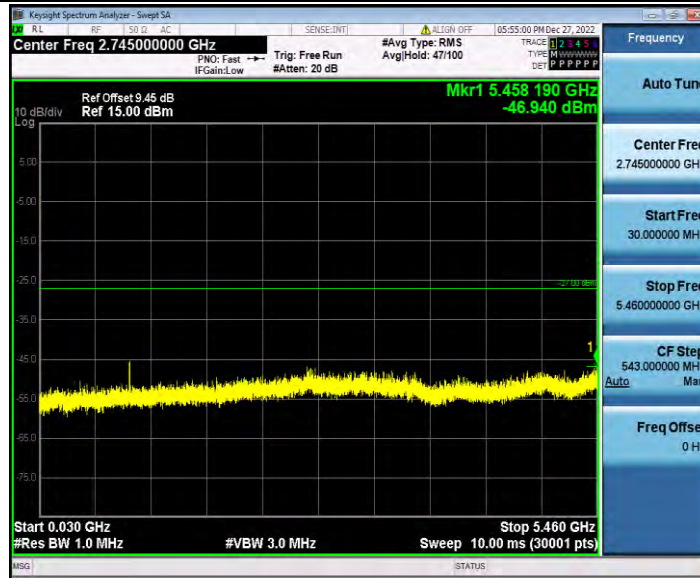
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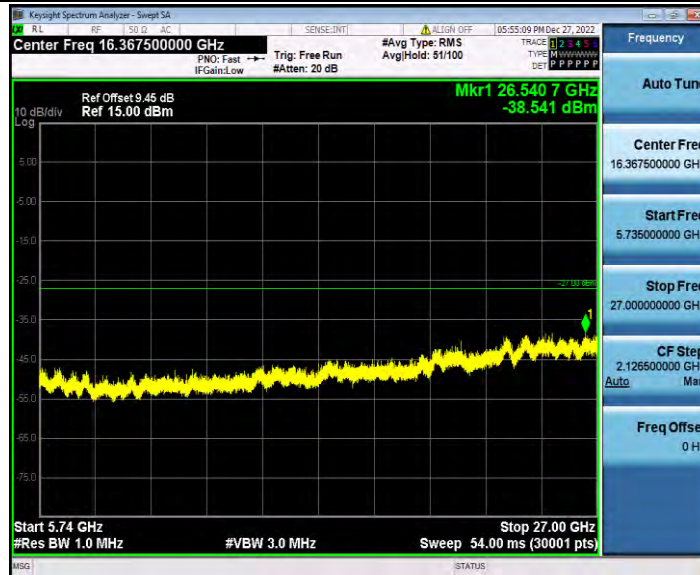
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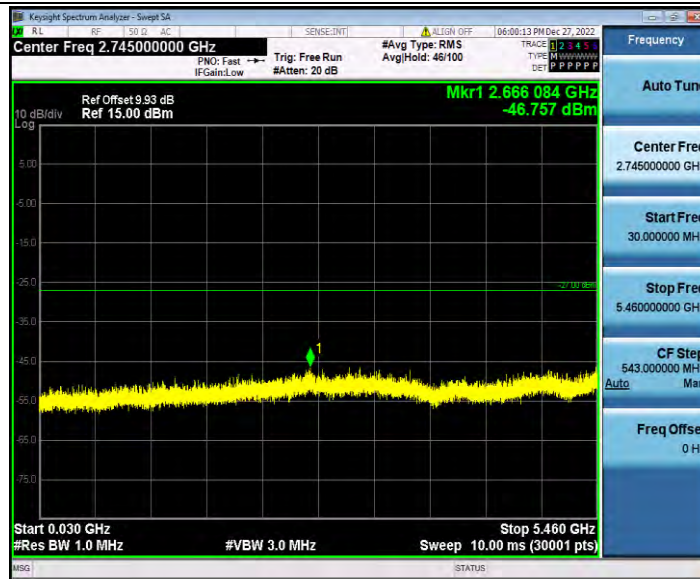
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11AC20SISO_Ant1_5600_5735~40000



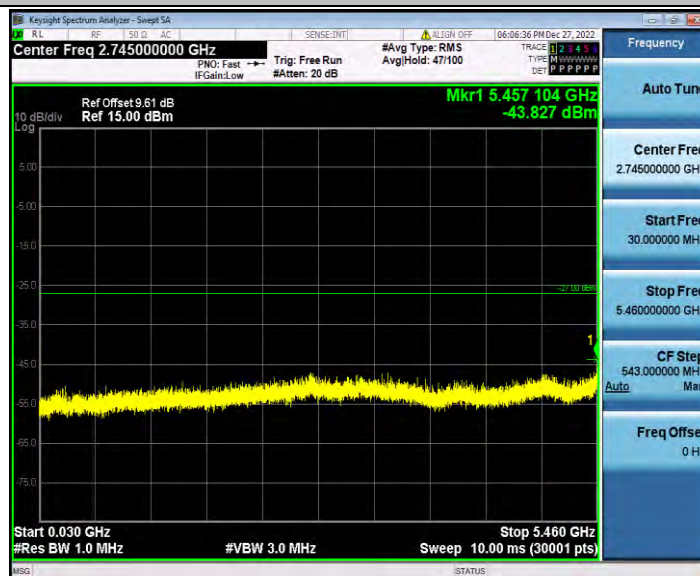
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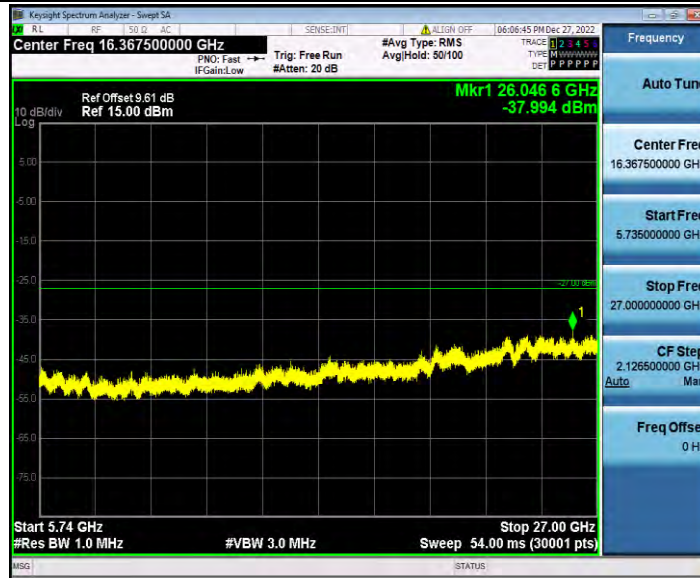
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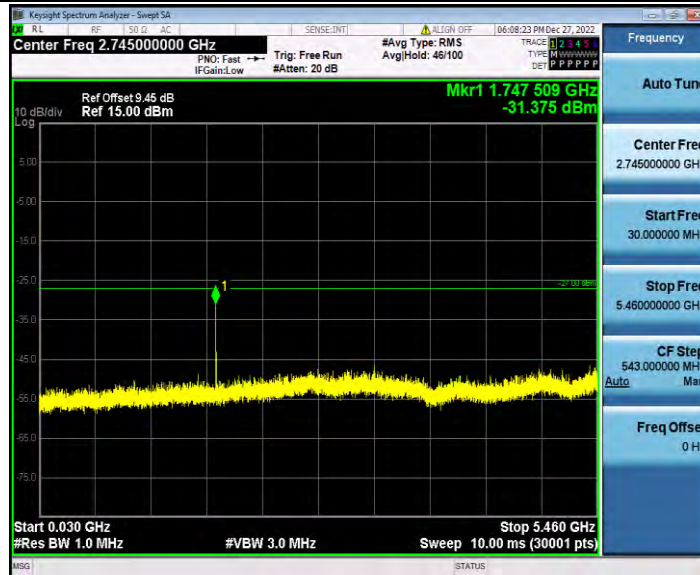
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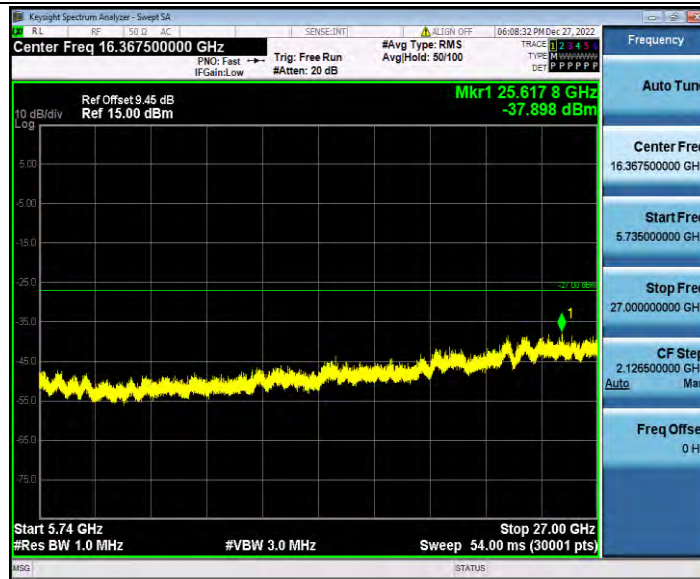
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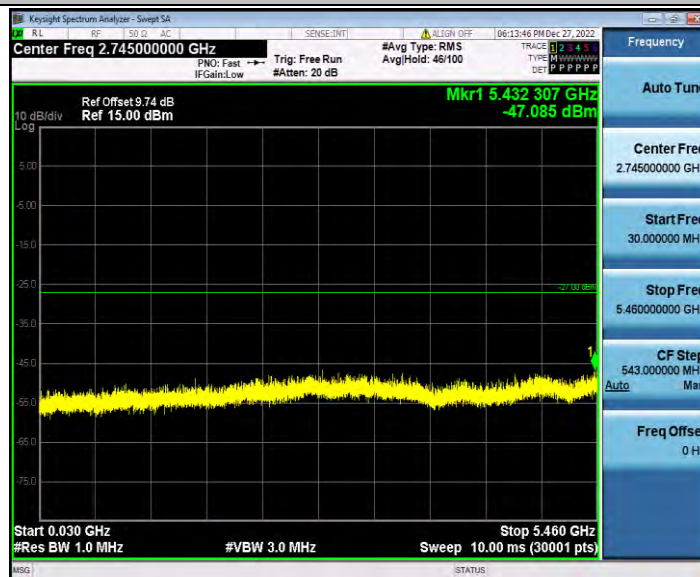
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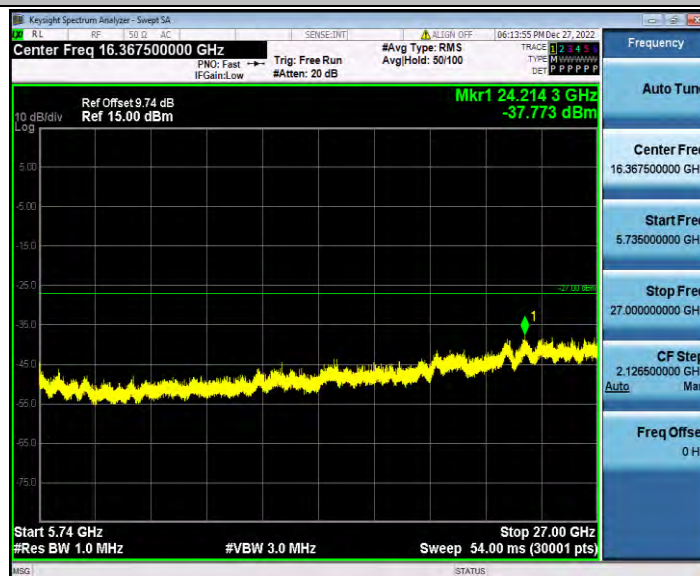
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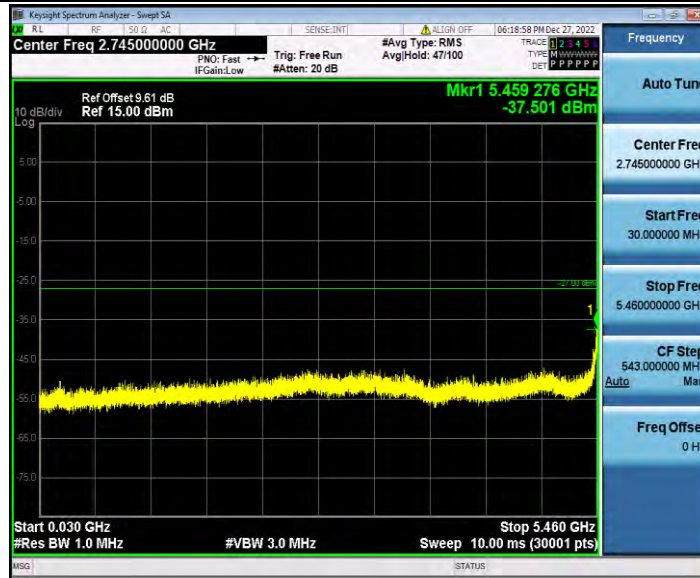
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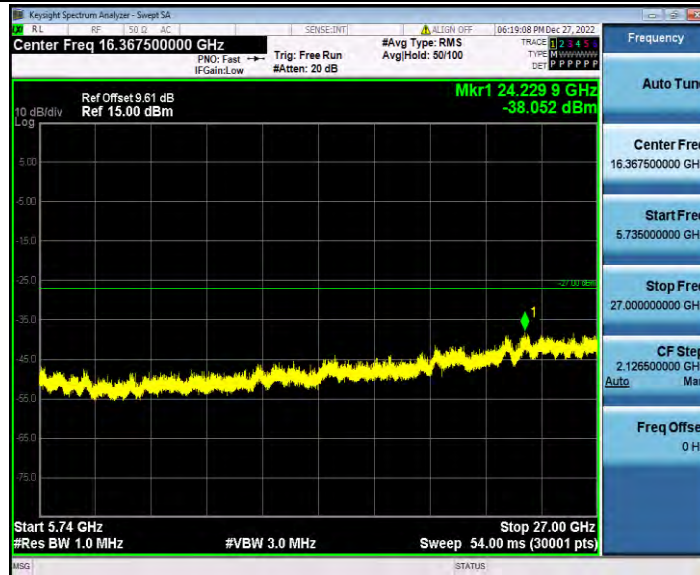
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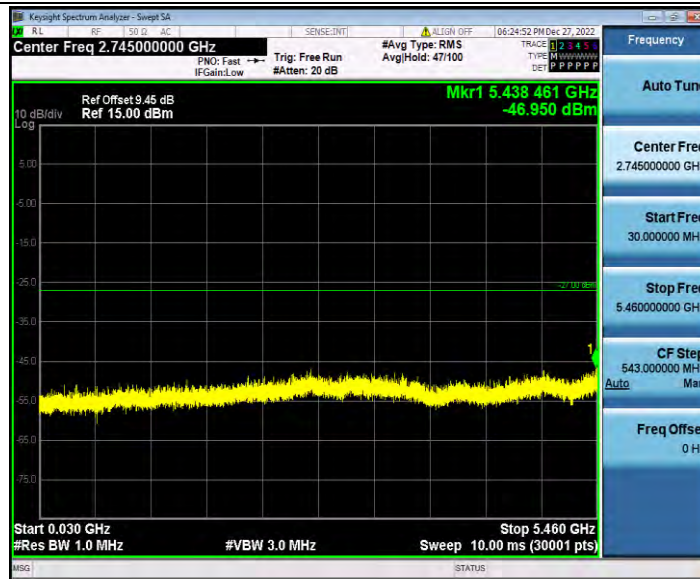
11AC80SISO_Ant1_5530_30~5460



11AC80SISO_Ant1_5530_5735~40000



11AC80SISO_Ant1_5610_30~5460



11AC80SISO_Ant1_5610_5735~40000

