

Case No. : GTS20220920004-2-13	
Ambient Condition: 25 °C, 45 %RH, Atmos100.1Kpa,	
Test Date: 2022.12.19	Test Engineer: Jenny zeng

Appendix F.1: Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	20.720	5489.880	5510.600	---	---
		5600	33.720	5583.680	5617.400	---	---
		5700	27.360	5685.200	5712.560	---	---
11N20SISO	Ant1	5500	20.240	5490.040	5510.280	---	---
		5600	31.320	5584.400	5615.720	---	---
		5700	21.920	5688.640	5710.560	---	---
11N40SISO	Ant1	5510	47.920	5489.680	5537.600	---	---
		5590	72.640	5553.040	5625.680	---	---
		5670	60.720	5637.040	5697.760	---	---
11AC20SISO	Ant1	5500	20.480	5489.800	5510.280	---	---
		5600	33.000	5584.360	5617.360	---	---
		5700	22.400	5687.800	5710.200	---	---
11AC40SISO	Ant1	5510	45.120	5489.920	5535.040	---	---
		5590	73.680	5552.480	5626.160	---	---
		5670	60.720	5637.040	5697.760	---	---
11AC80SISO	Ant1	5530	80.640	5489.680	5570.320	---	---
		5610	144.160	5538.480	5682.640	---	---

Test Graphs

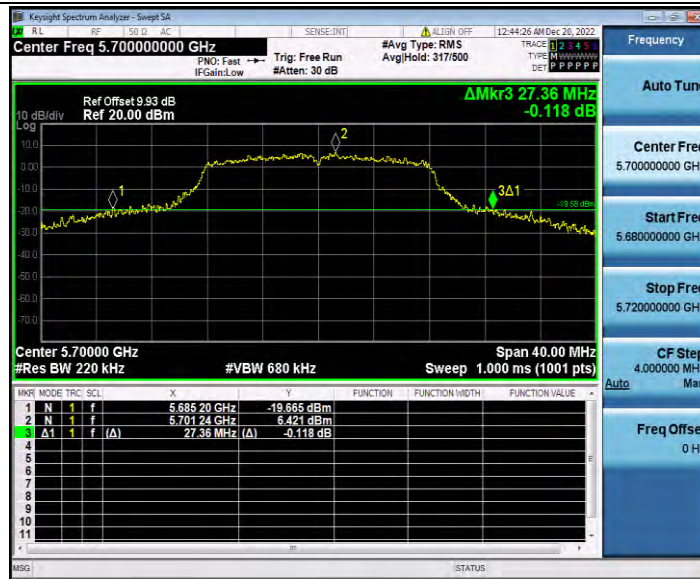
11A_Ant1_5500



11A_Ant1_5600



11A_Ant1_5700



11N20SISO_Ant1_5500



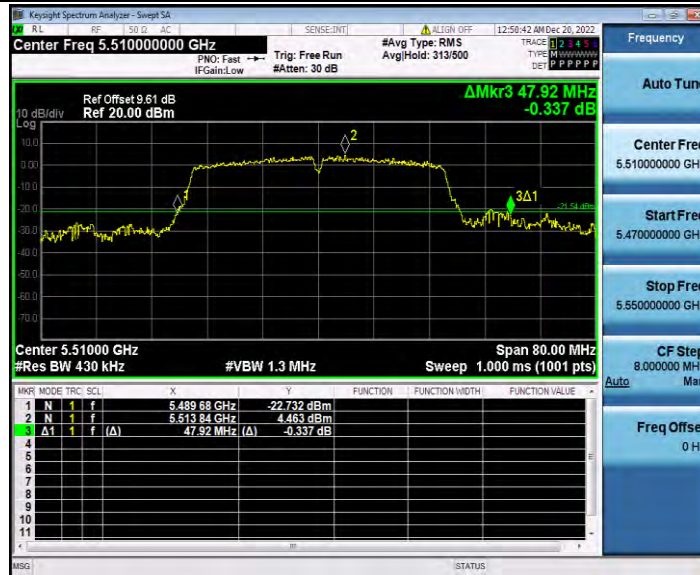
11N20SISO_Ant1_5600



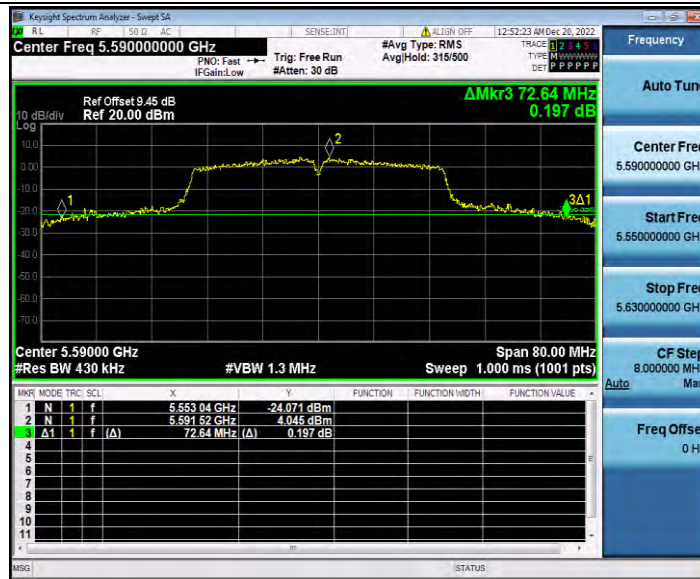
11N20SISO_Ant1_5700



11N40SISO_Ant1_5510



11N40SISO_Ant1_5590



11N40SISO_Ant1_5670



11AC20SISO_Ant1_5500



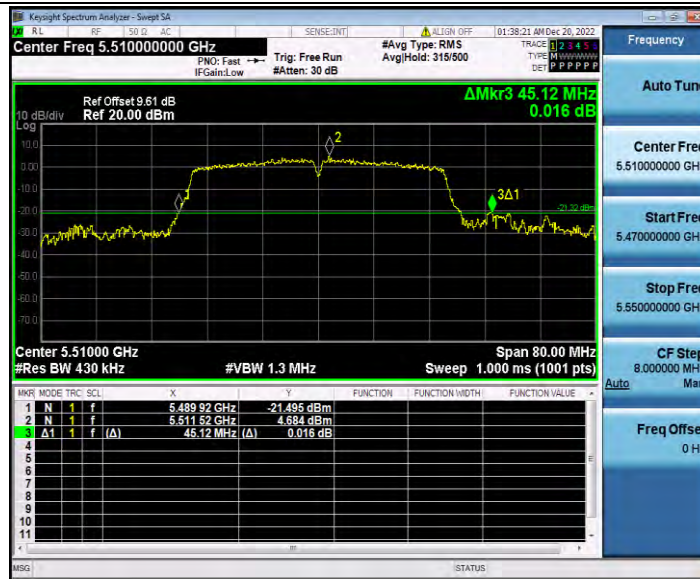
11AC20SISO_Ant1_5600



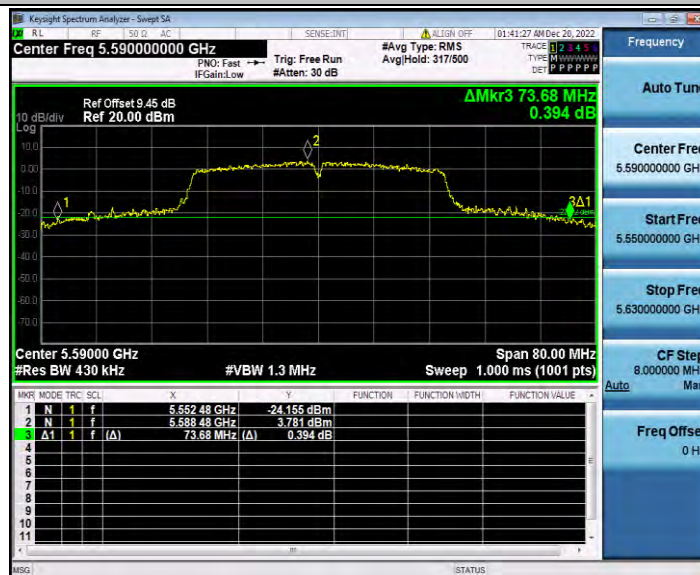
11AC20SISO_Ant1_5700



11AC40SISO_Ant1_5510



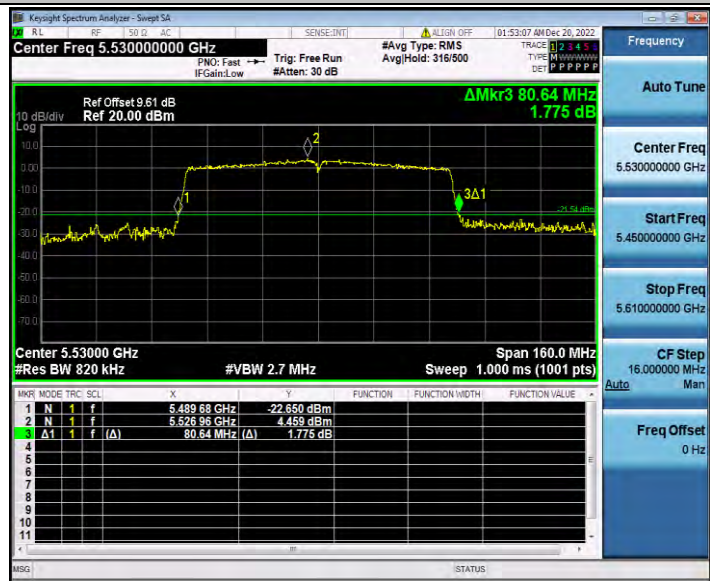
11AC40SISO_Ant1_5590



11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



Appendix F.2: Occupied channel bandwidth

Test Result

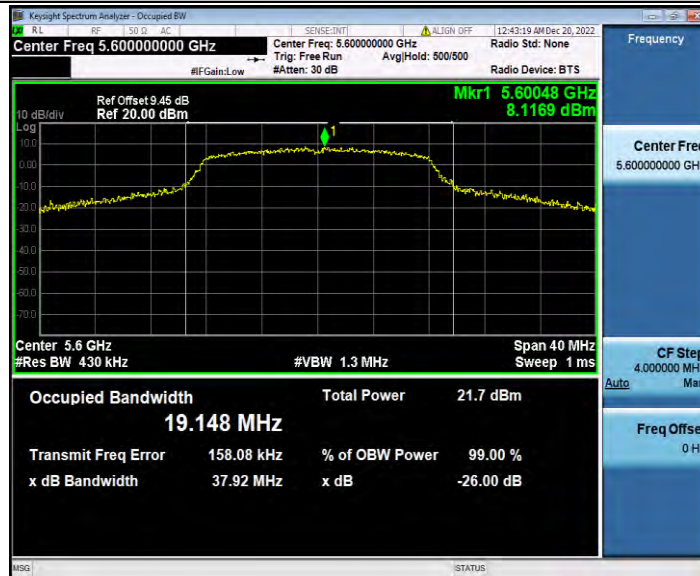
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	17.239	5491.429	5508.668	---	---
		5600	19.148	5590.584	5609.732	---	---
		5700	17.517	5691.113	5708.630	---	---
11N20SISO	Ant1	5500	17.897	5491.051	5508.948	---	---
		5600	18.839	5590.625	5609.464	---	---
		5700	18.180	5690.859	5709.039	---	---
11N40SISO	Ant1	5510	36.530	5491.830	5528.360	---	---
		5590	37.687	5571.291	5608.978	---	---
		5670	36.777	5651.563	5688.340	---	---
11AC20SISO	Ant1	5500	17.942	5491.042	5508.984	---	---
		5600	18.812	5590.636	5609.448	---	---
		5700	18.097	5690.907	5709.004	---	---
11AC40SISO	Ant1	5510	36.535	5491.822	5528.357	---	---
		5590	37.781	5571.225	5609.006	---	---
		5670	36.763	5651.498	5688.261	---	---
11AC80SISO	Ant1	5530	75.522	5492.261	5567.783	---	---
		5610	76.527	5571.744	5648.271	---	---

Test Graphs

11A_Ant1_5500



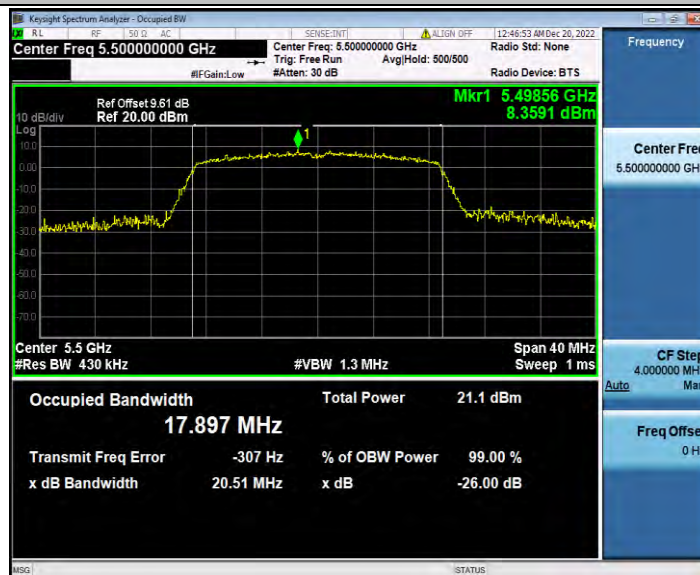
11A_Ant1_5600



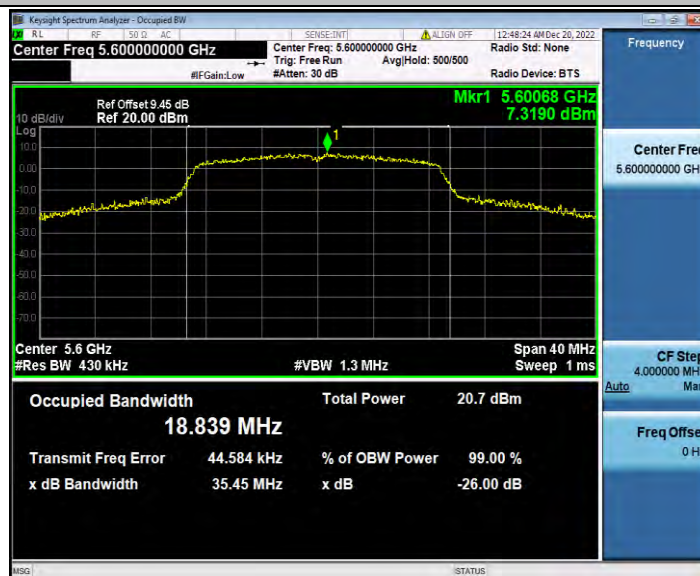
11A_Ant1_5700



11N20SISO_Ant1_5500



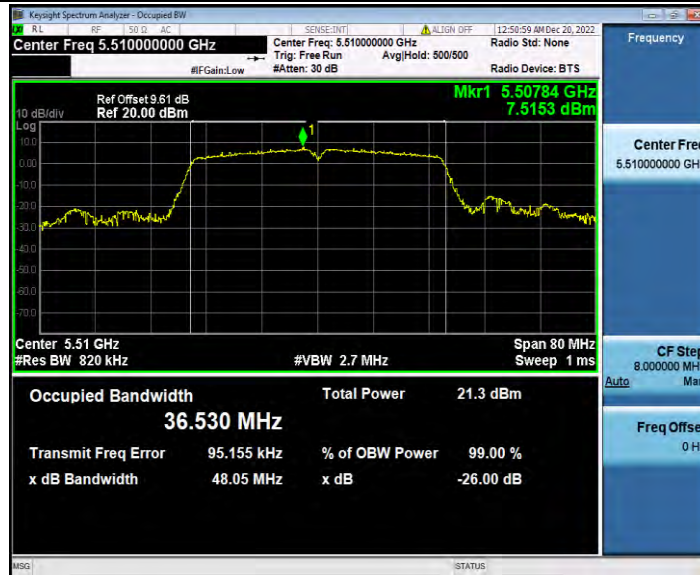
11N20SISO_Ant1_5600



11N20SISO_Ant1_5700



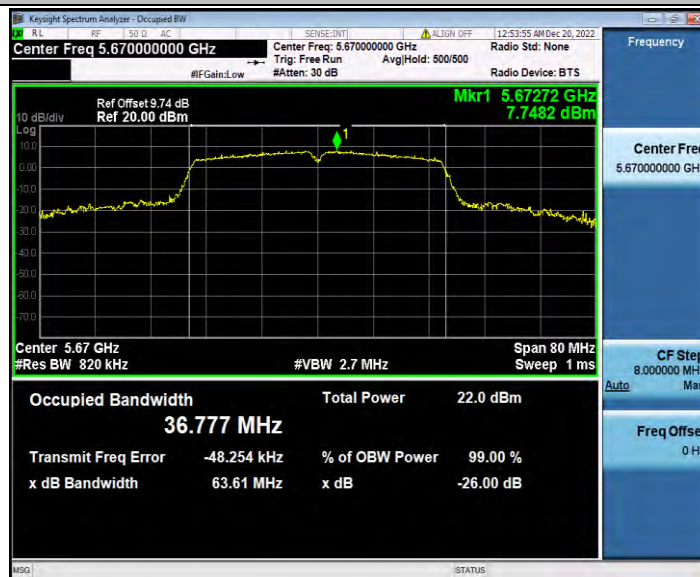
11N40SISO_Ant1_5510



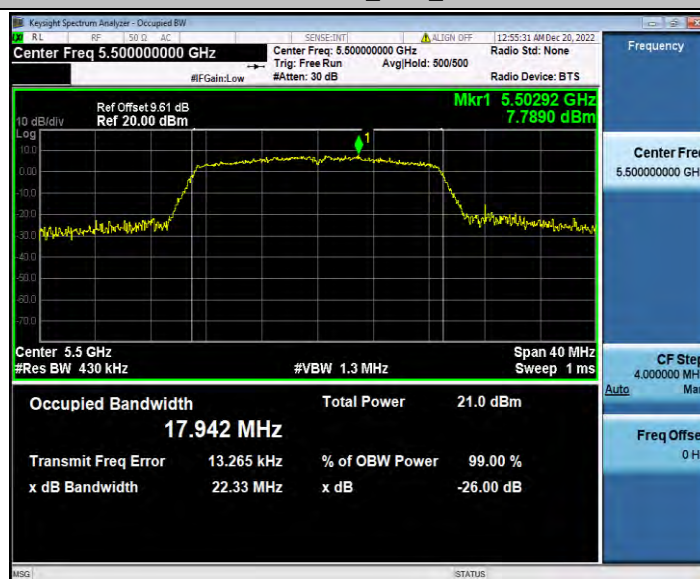
11N40SISO_Ant1_5590



11N40SISO_Ant1_5670



11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5600



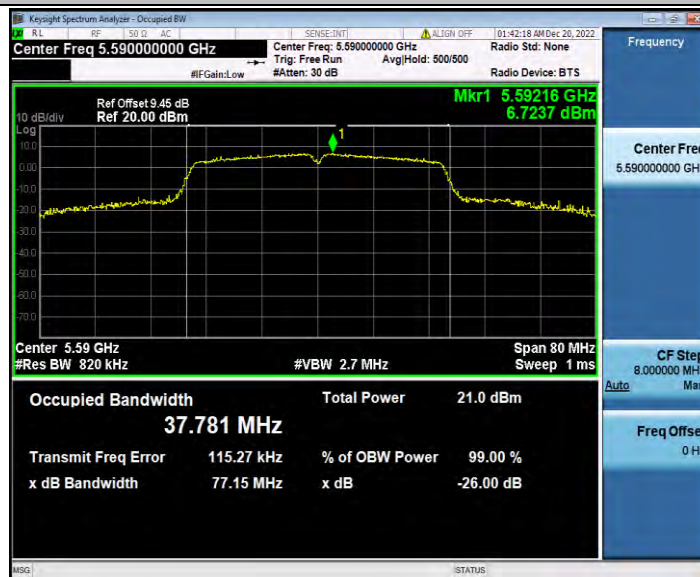
11AC20SISO_Ant1_5700



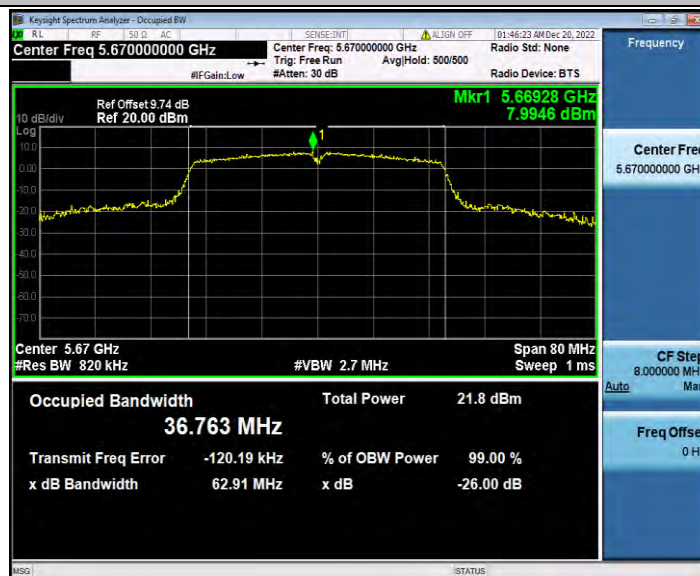
11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5590



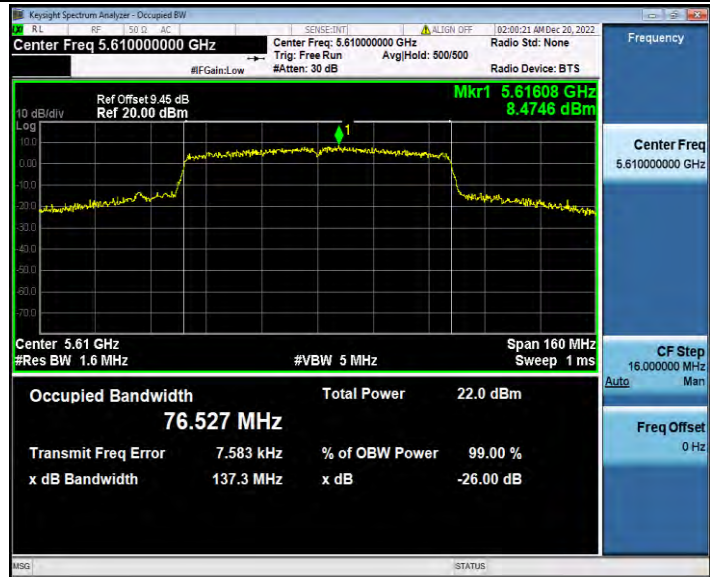
11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



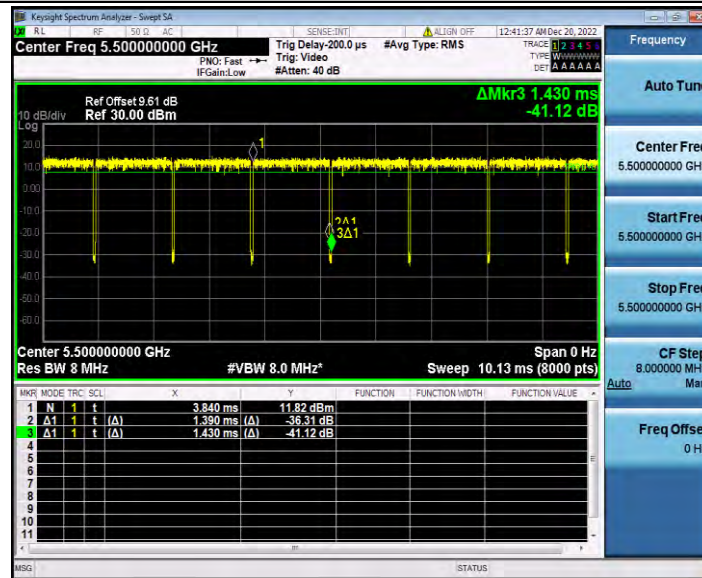
Appendix F.3: Duty Cycle

Test Result

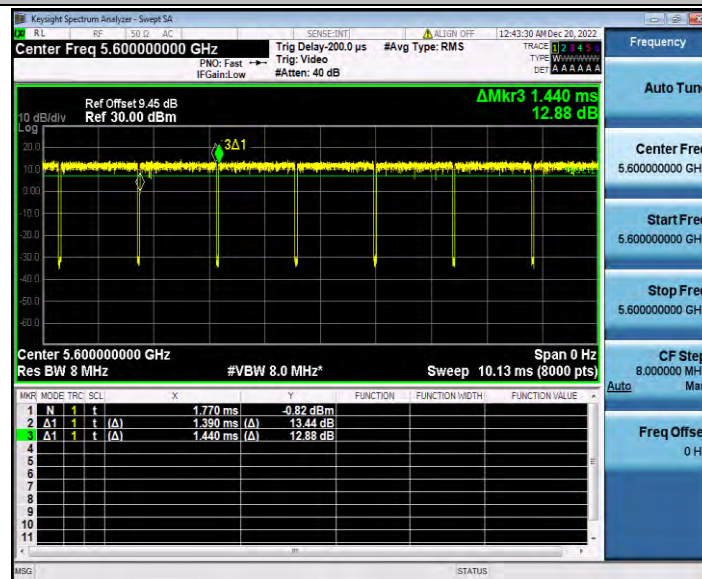
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5500	1.39	1.43	97.20
		5600	1.39	1.44	96.53
		5700	1.39	1.43	97.20
11N20SISO	Ant1	5500	0.68	0.73	93.15
		5600	0.68	0.73	93.15
		5700	0.67	0.72	93.06
11N40SISO	Ant1	5510	0.35	0.40	87.50
		5590	0.36	0.40	90.00
		5670	0.35	0.40	87.50
11AC20SISO	Ant1	5500	0.68	0.72	94.44
		5600	0.68	0.73	93.15
		5700	0.68	0.73	93.15
11AC40SISO	Ant1	5510	0.35	0.40	87.50
		5590	0.35	0.40	87.50
		5670	0.36	0.40	90.00
11AC80SISO	Ant1	5530	0.19	0.23	82.61
		5610	0.19	0.23	82.61

Test Graphs

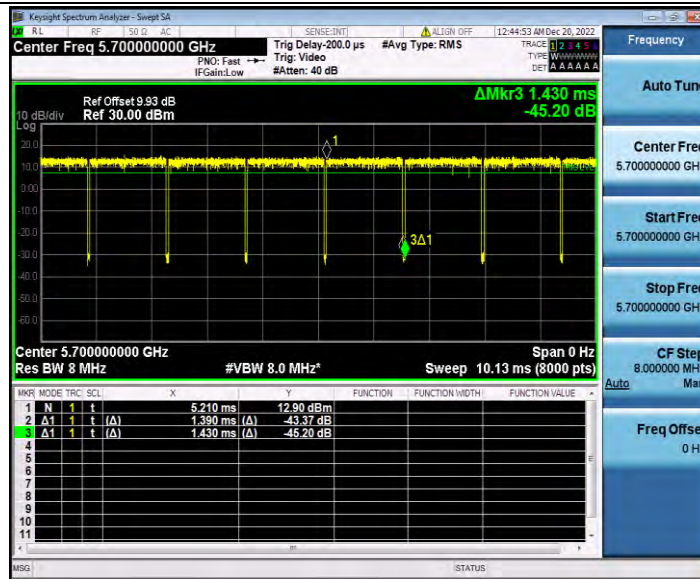
11A_Ant1_5500



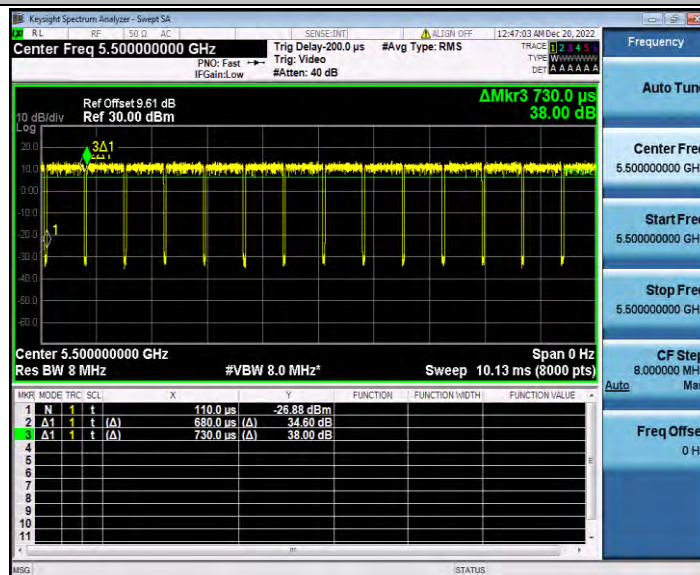
11A_Ant1_5600



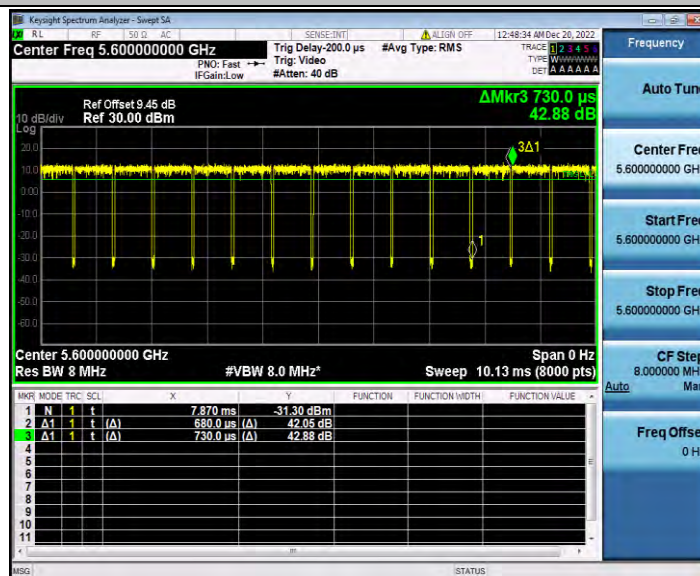
11A_Ant1_5700



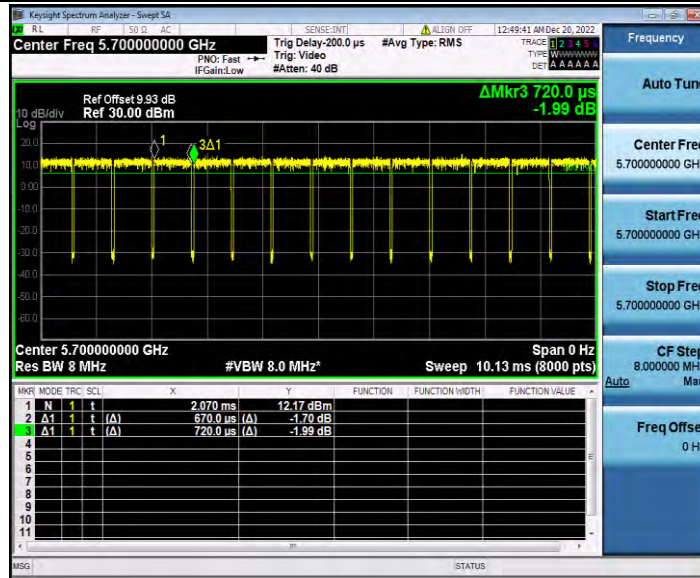
11N20SISO_Ant1_5500



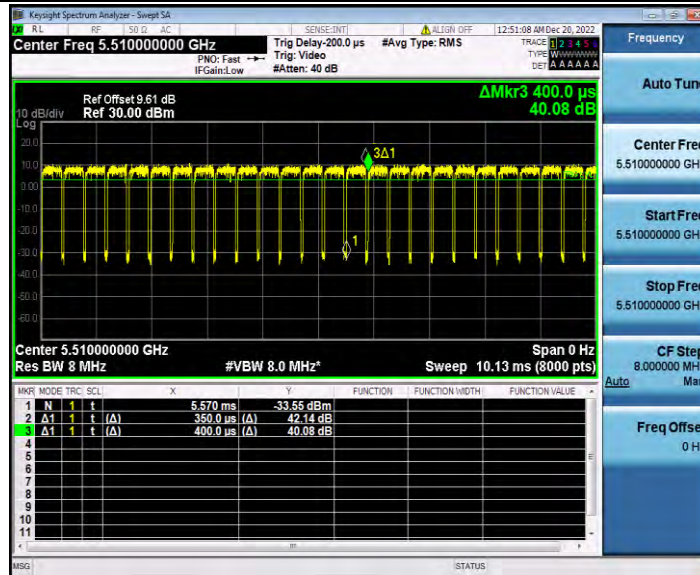
11N20SISO_Ant1_5600



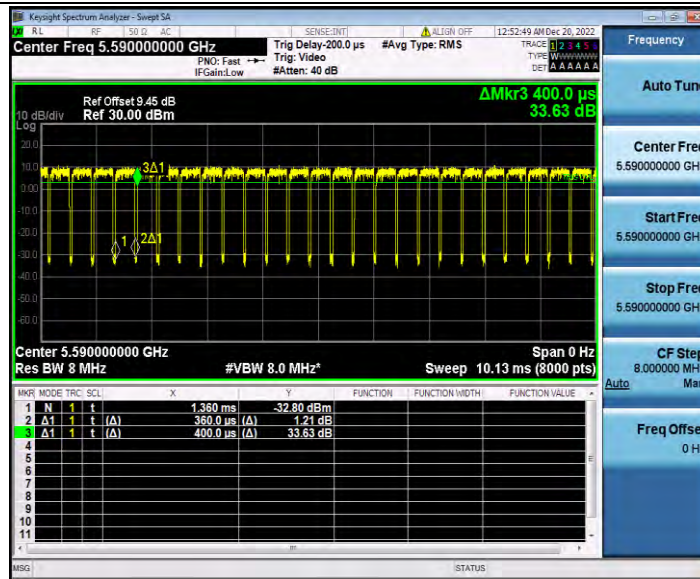
11N20SISO_Ant1_5700



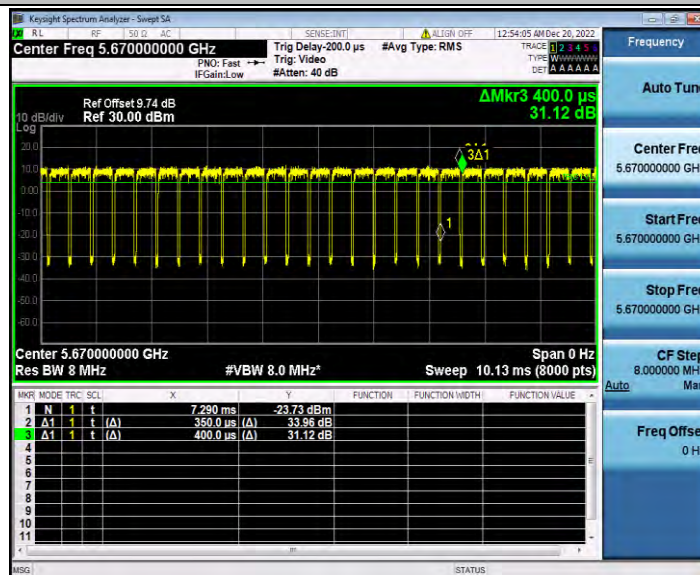
11N40SISO_Ant1_5510



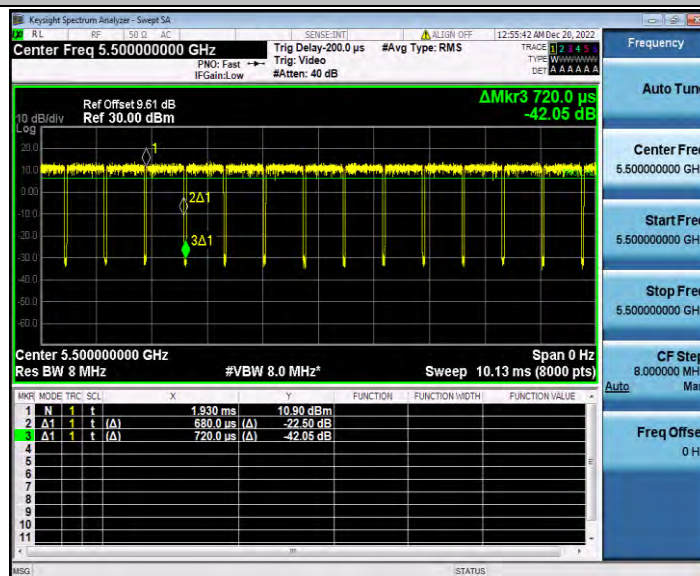
11N40SISO_Ant1_5590



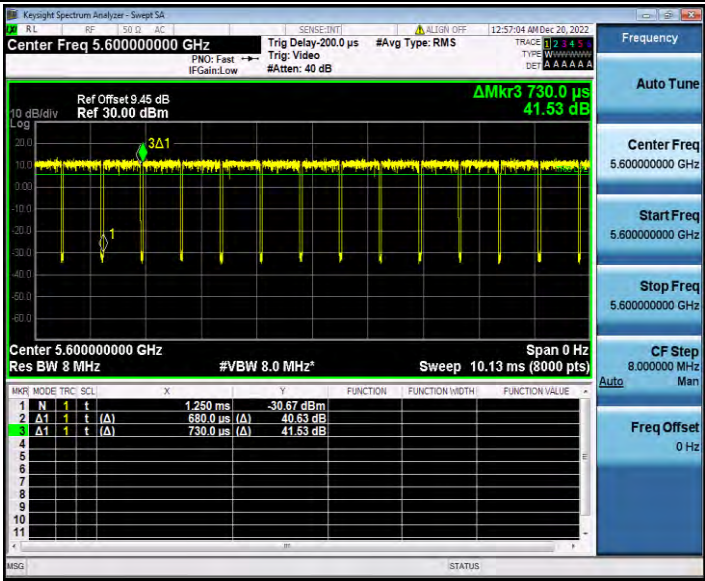
11N40SISO_Ant1_5670



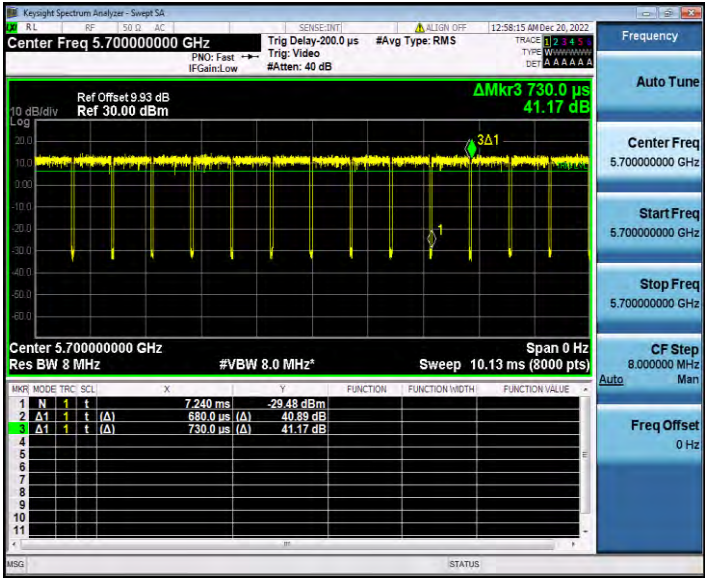
11AC20SISO_Ant1_5500



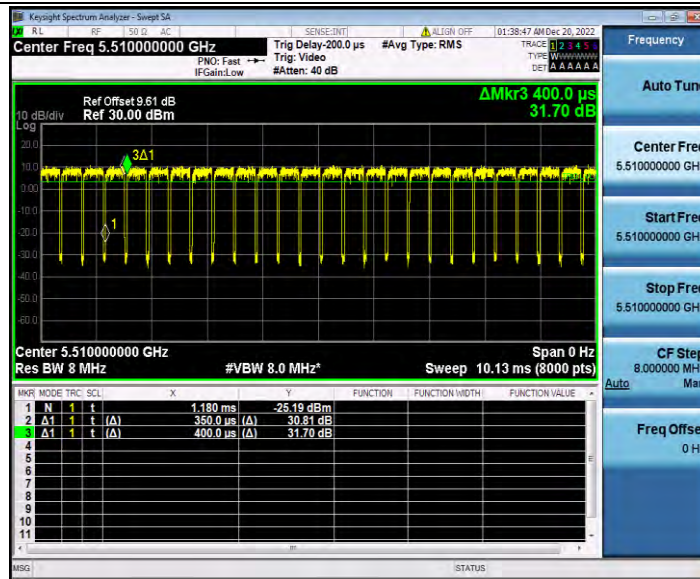
11AC20SISO_Ant1_5600



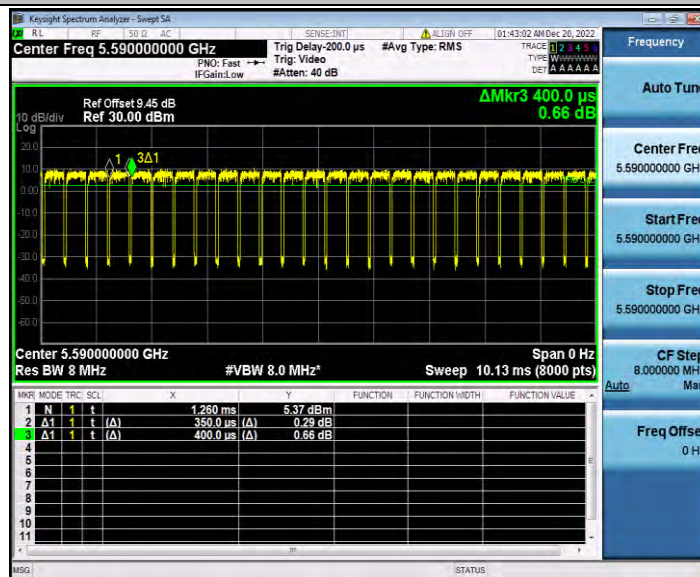
11AC20SISO_Ant1_5700



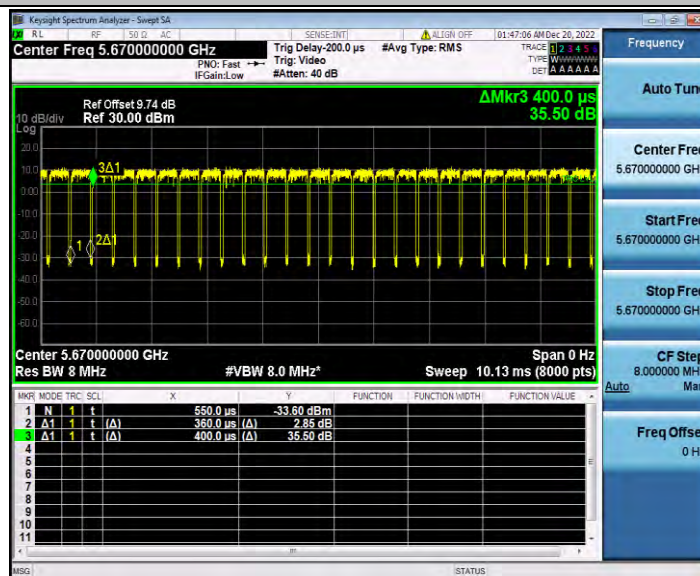
11AC40SISO_Ant1_5510



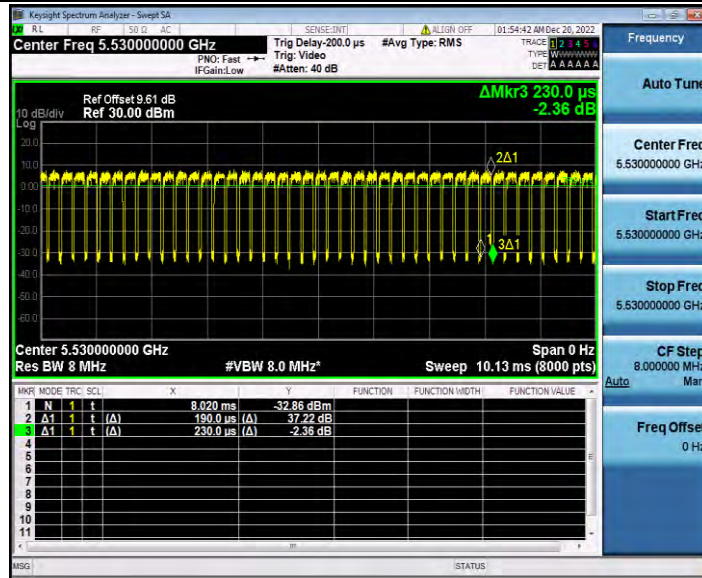
11AC40SISO_Ant1_5590



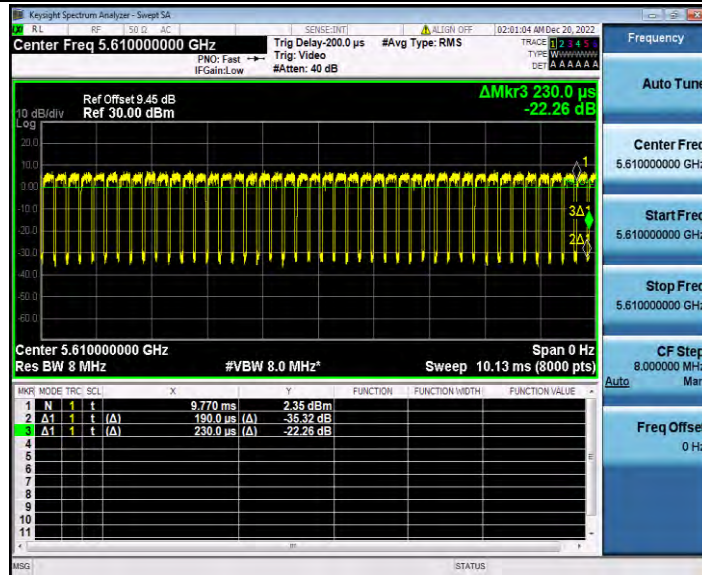
11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



Appendix F.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	5500	14.99	97.20	0.12	15.11	≤23.98	PASS
		5600	14.66	96.53	0.15	14.81	≤23.98	PASS
		5700	15.22	97.20	0.12	15.34	≤23.98	PASS
11N20SISO	Ant1	5500	13.82	93.15	0.31	14.13	≤23.98	PASS
		5600	13.49	93.15	0.31	13.80	≤23.98	PASS
		5700	14.12	93.06	0.31	14.43	≤23.98	PASS
11N40SISO	Ant1	5510	13.26	87.50	0.58	13.84	≤23.98	PASS
		5590	13.18	90.00	0.46	13.64	≤23.98	PASS
		5670	14.13	87.50	0.58	14.71	≤23.98	PASS
11AC20SISO	Ant1	5500	13.88	94.44	0.25	14.13	≤23.98	PASS
		5600	13.55	93.15	0.31	13.86	≤23.98	PASS
		5700	14.06	93.15	0.31	14.37	≤23.98	PASS
11AC40SISO	Ant1	5510	13.26	87.50	0.58	13.84	≤23.98	PASS
		5590	12.92	87.50	0.58	13.50	≤23.98	PASS
		5670	13.90	90.00	0.46	14.36	≤23.98	PASS
11AC80SISO	Ant1	5530	12.80	82.61	0.83	13.63	≤23.98	PASS
		5610	12.29	82.61	0.83	13.12	≤23.98	PASS

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

Appendix F.5: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5500	4.31	≤11.00	PASS
		5600	4.06	≤11.00	PASS
		5700	4.61	≤11.00	PASS
11N20SISO	Ant1	5500	3.15	≤11.00	PASS
		5600	2.7	≤11.00	PASS
		5700	3.37	≤11.00	PASS
11N40SISO	Ant1	5510	0.23	≤11.00	PASS
		5590	0.09	≤11.00	PASS
		5670	1.08	≤11.00	PASS
11AC20SISO	Ant1	5500	3.14	≤11.00	PASS
		5600	2.76	≤11.00	PASS
		5700	3.37	≤11.00	PASS
11AC40SISO	Ant1	5510	0.29	≤11.00	PASS
		5590	-0.08	≤11.00	PASS
		5670	0.8	≤11.00	PASS
11AC80SISO	Ant1	5530	-2.65	≤11.00	PASS
		5610	-3.05	≤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



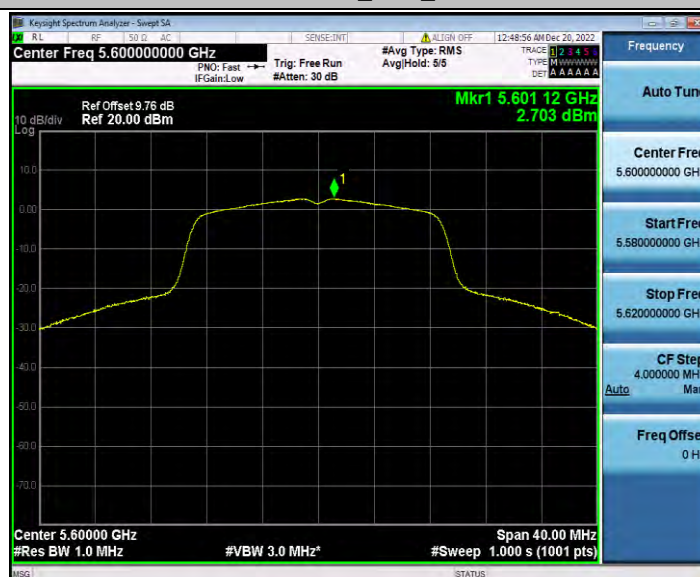
11A_Ant1_5700



11N20SISO_Ant1_5500



11N20SISO_Ant1_5600



11N20SISO_Ant1_5700



11N40SISO_Ant1_5510



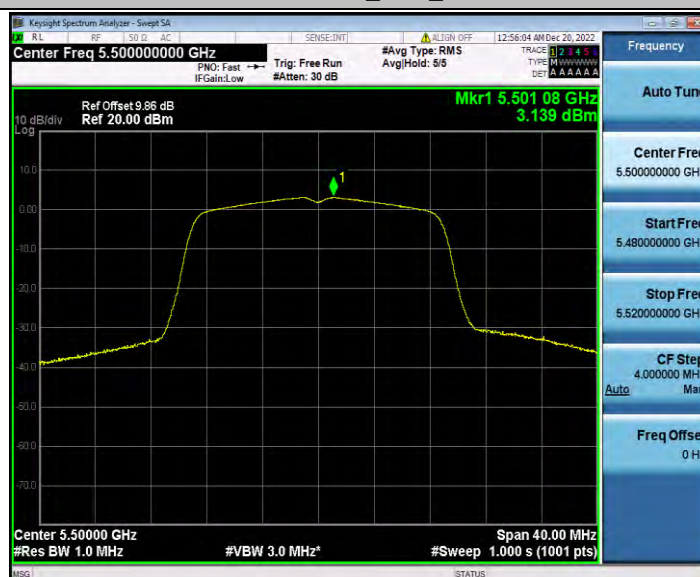
11N40SISO_Ant1_5590



11N40SISO_Ant1_5670



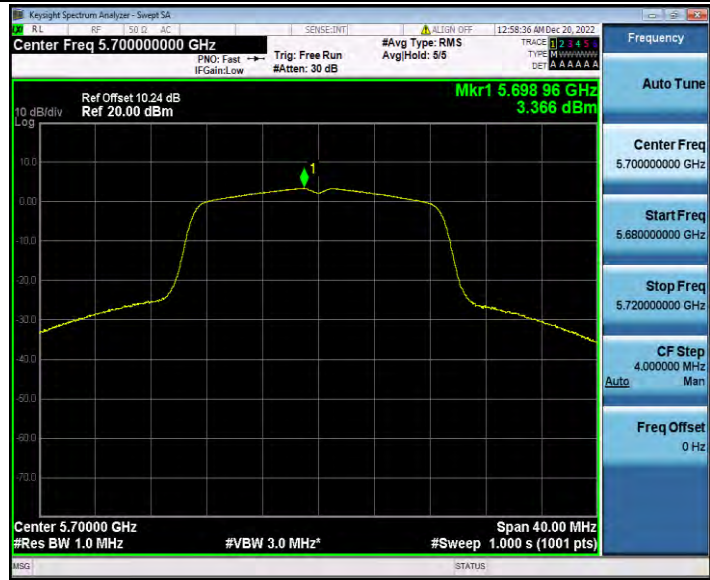
11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5600



11AC20SISO_Ant1_5700



11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5590



11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



Appendix F.6: Band edge measurements

Test Result B3

TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5500	-29.92	≤-27	PASS
		High	5700	-32.31	≤-27	PASS
11N20SISO	Ant1	Low	5500	-33.1	≤-27	PASS
		High	5700	-35.91	≤-27	PASS
11N40SISO	Ant1	Low	5510	-27.5	≤-27	PASS
		High	5670	-36.5	≤-27	PASS
11AC20SISO	Ant1	Low	5500	-32.31	≤-27	PASS
		High	5700	-34.03	≤-27	PASS
11AC40SISO	Ant1	Low	5510	-27.7	≤-27	PASS
		High	5670	-36.47	≤-27	PASS
11AC80SISO	Ant1	Low	5530	-29.17	≤-27	PASS
		High	5610	-37.59	≤-27	PASS

Test Graphs B3

11A_Ant1_Low_5500



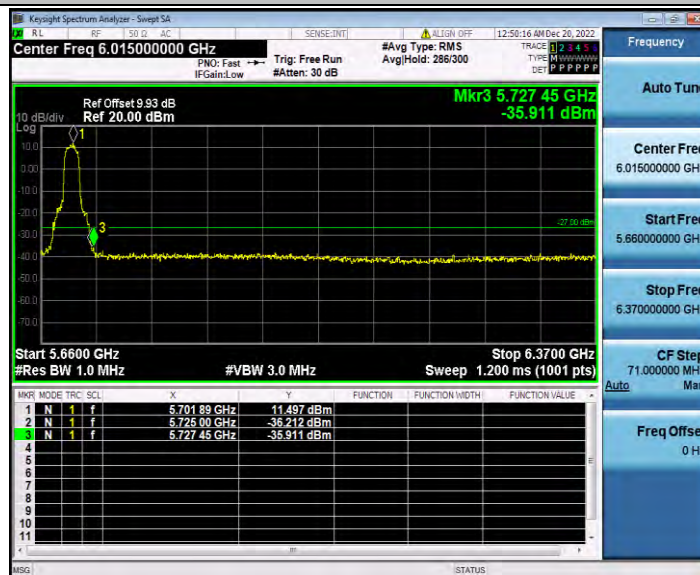
11A_Ant1_High_5700



11N20SISO_Ant1_Low_5500



11N20SISO_Ant1_High_5700



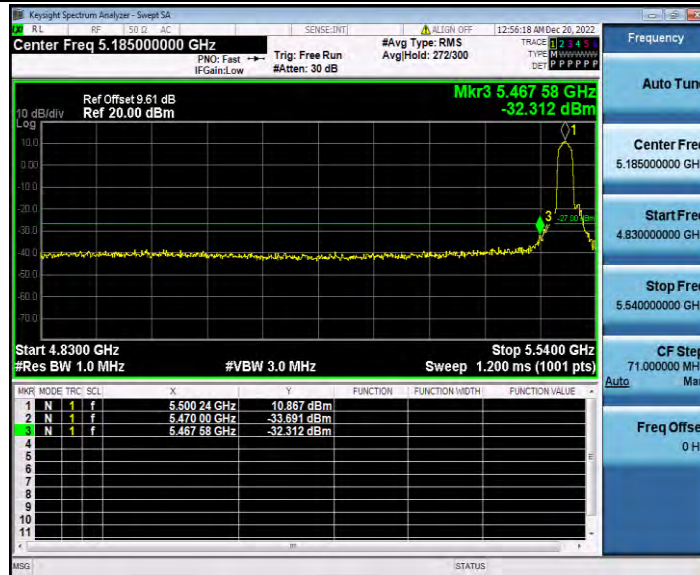
11N40SISO_Ant1_Low_5510



11N40SISO_Ant1_High_5670



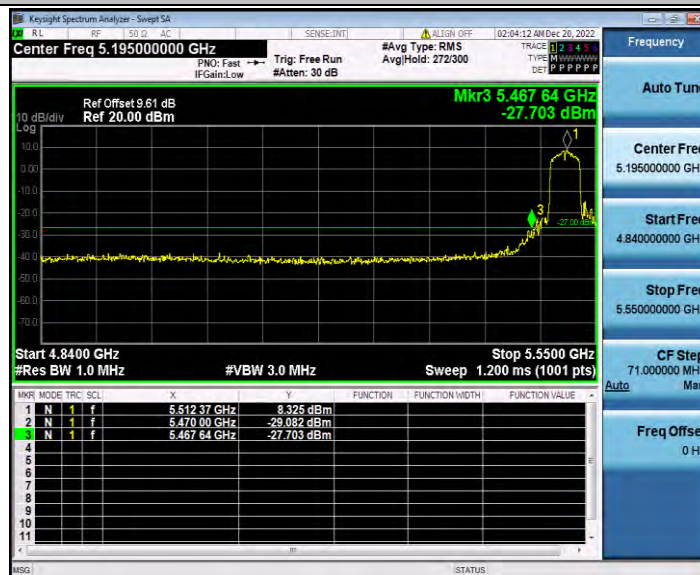
11AC20SISO_Ant1_Low_5500



11AC20SISO_Ant1_High_5700



11AC40SISO_Ant1_Low_5510



11AC40SISO_Ant1_High_5670



11AC80SISO_Ant1_Low_5530



11AC80SISO_Ant1_High_5610



Appendix F.7: Conducted Spurious Emission

Test Result

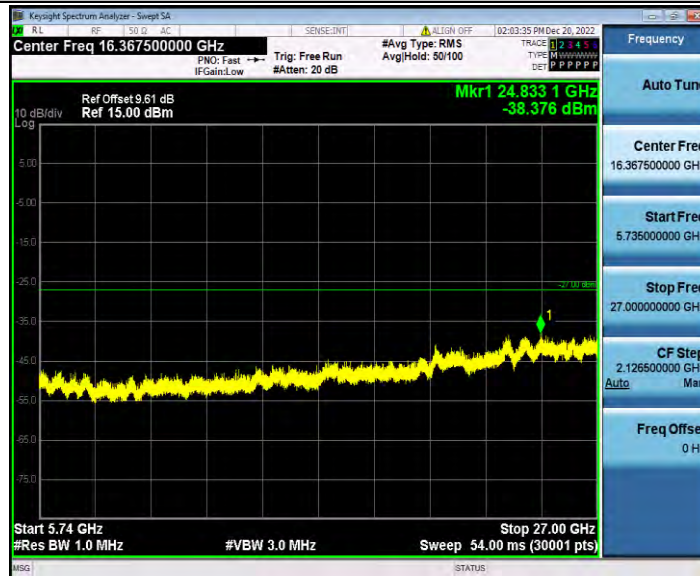
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5500	30~5460	5457.65	-41.64	≤-27	PASS
			5735~40000	24833.1	-38.38	≤-27	PASS
		5600	30~5460	5435.57	-46.95	≤-27	PASS
			5735~40000	24209.32	-37.55	≤-27	PASS
		5700	30~5460	5457.1	-45.74	≤-27	PASS
			5735~40000	25657.47	-38.36	≤-27	PASS
11N20SISO	Ant1	5500	30~5460	5456.2	-42.27	≤-27	PASS
			5735~40000	24806.87	-37.89	≤-27	PASS
		5600	30~5460	2441.46	-40.53	≤-27	PASS
			5735~40000	24293.67	-37.96	≤-27	PASS
		5700	30~5460	4899.62	-46.77	≤-27	PASS
			5735~40000	24212.87	-38.01	≤-27	PASS
11N40SISO	Ant1	5510	30~5460	5458.19	-34.51	≤-27	PASS
			5735~40000	23510.41	-38.08	≤-27	PASS
		5590	30~5460	2403.09	-40.78	≤-27	PASS
			5735~40000	26057.96	-38.53	≤-27	PASS
		5670	30~5460	3160.76	-46.67	≤-27	PASS
			5735~40000	24280.21	-37.62	≤-27	PASS
11AC20SISO	Ant1	5500	30~5460	5454.93	-43.21	≤-27	PASS
			5735~40000	25149.95	-38.37	≤-27	PASS
		5600	30~5460	2695.95	-47	≤-27	PASS
			5735~40000	24344.71	-38.52	≤-27	PASS
		5700	30~5460	3138.13	-46.42	≤-27	PASS
			5735~40000	24263.9	-38.09	≤-27	PASS
11AC40SISO	Ant1	5510	30~5460	5457.65	-29.76	≤-27	PASS
			5735~40000	24204.36	-38.7	≤-27	PASS
		5590	30~5460	5438.64	-46.35	≤-27	PASS
			5735~40000	26789.48	-37.34	≤-27	PASS
		5670	30~5460	2640.2	-45.79	≤-27	PASS
			5735~40000	26668.97	-37.78	≤-27	PASS
11AC80SISO	Ant1	5530	30~5460	5456.02	-33.83	≤-27	PASS
			5735~40000	24129.93	-37.68	≤-27	PASS
		5610	30~5460	5453.48	-45.96	≤-27	PASS
			5735~40000	26048.75	-38.47	≤-27	PASS

Test Graphs

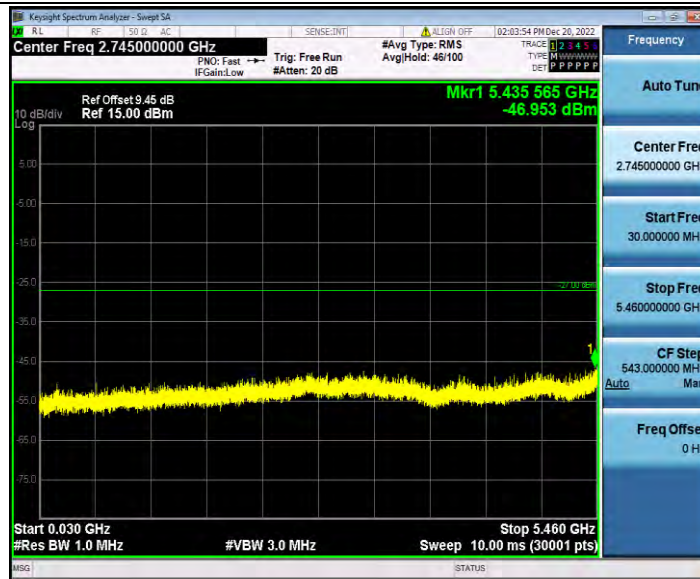
11A_Ant1_5500_30~5460



11A_Ant1_5500_5735~40000



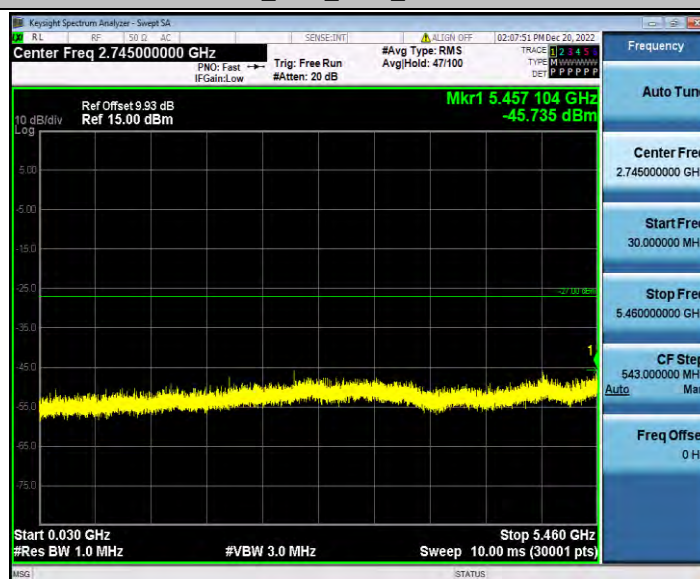
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11A_Ant1_5600_5735~40000



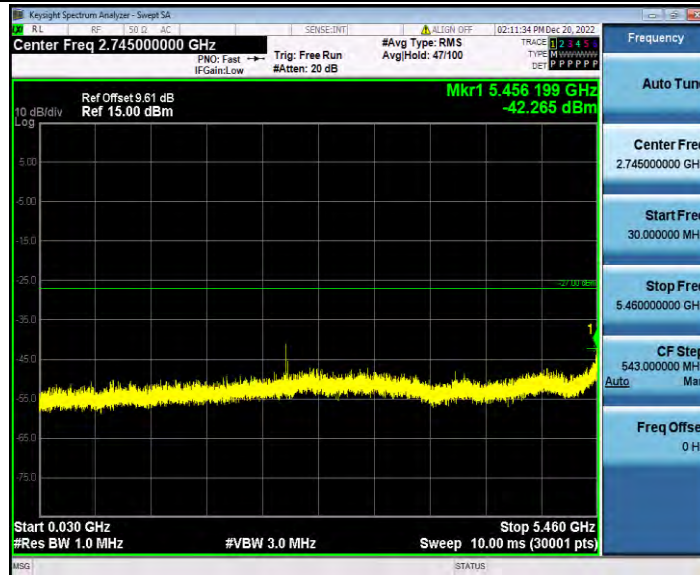
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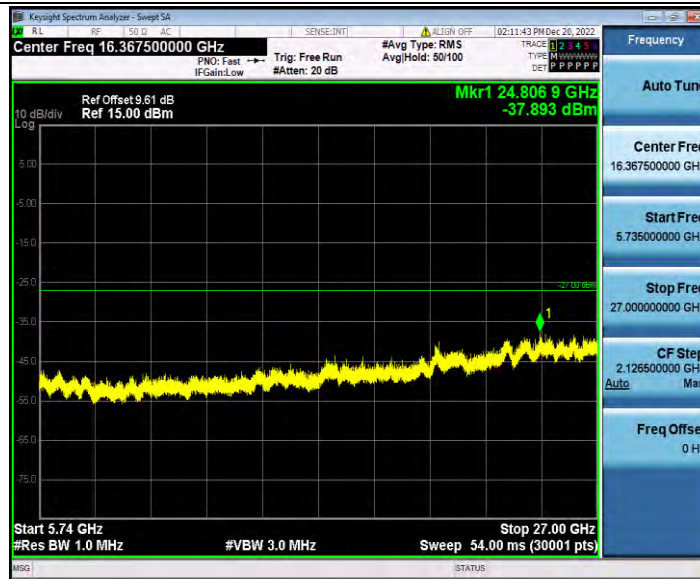
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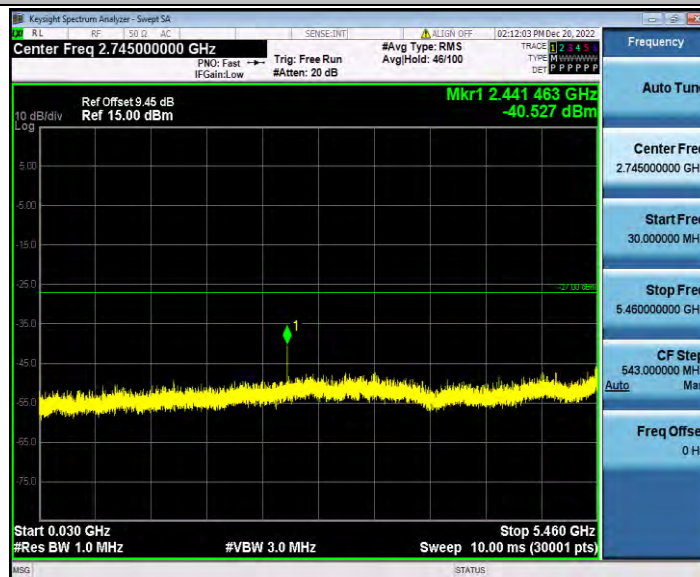
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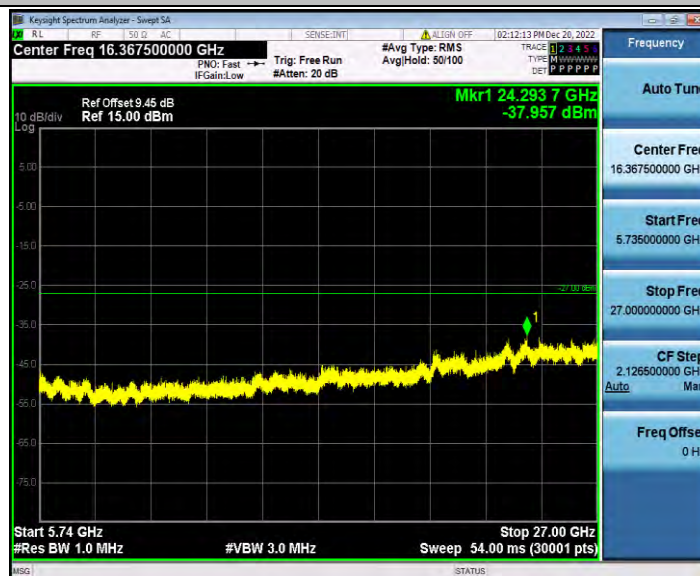
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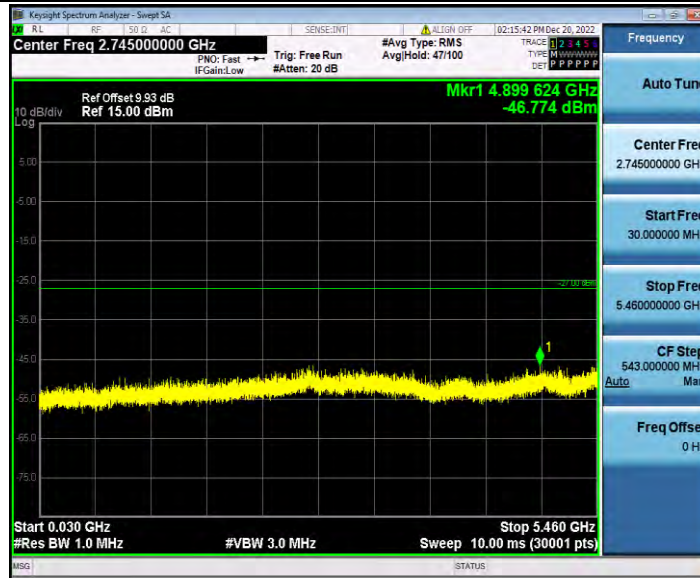
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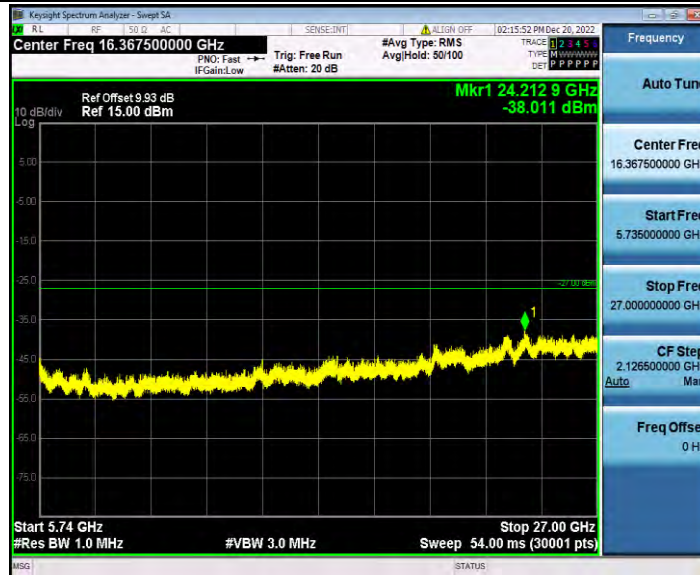
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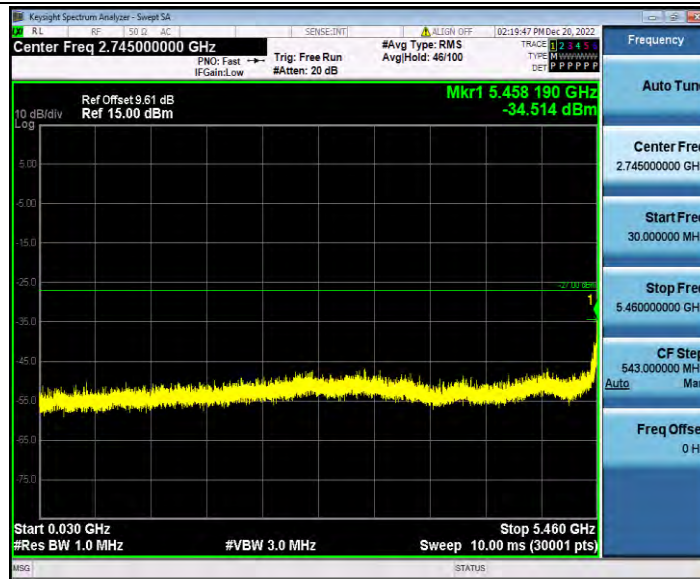
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11N20SISO_Ant1_5700_5735~40000



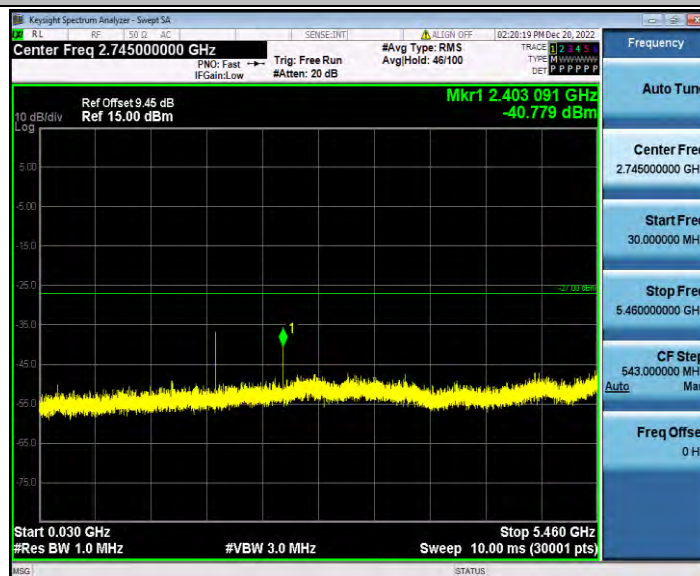
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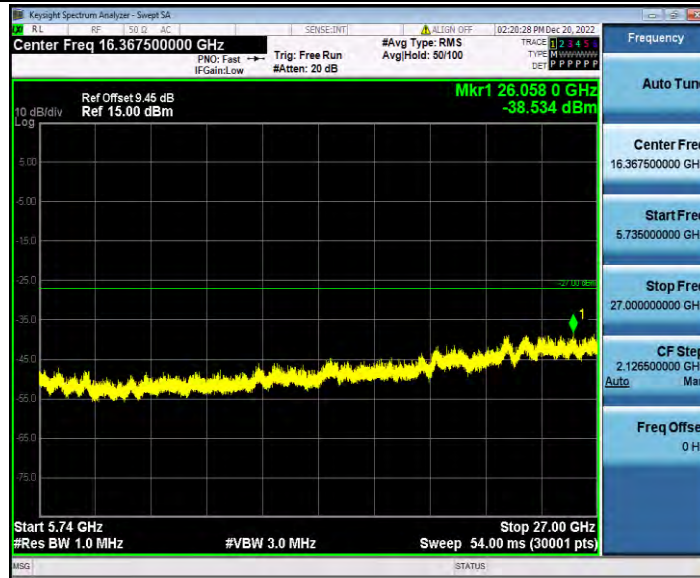
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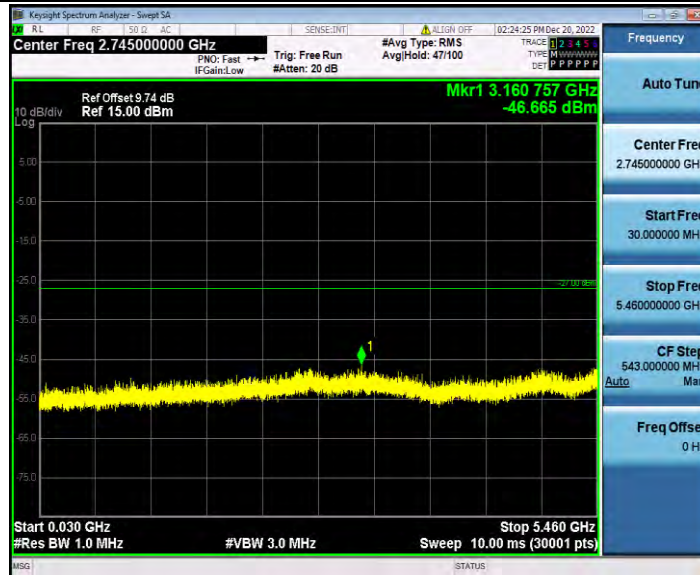
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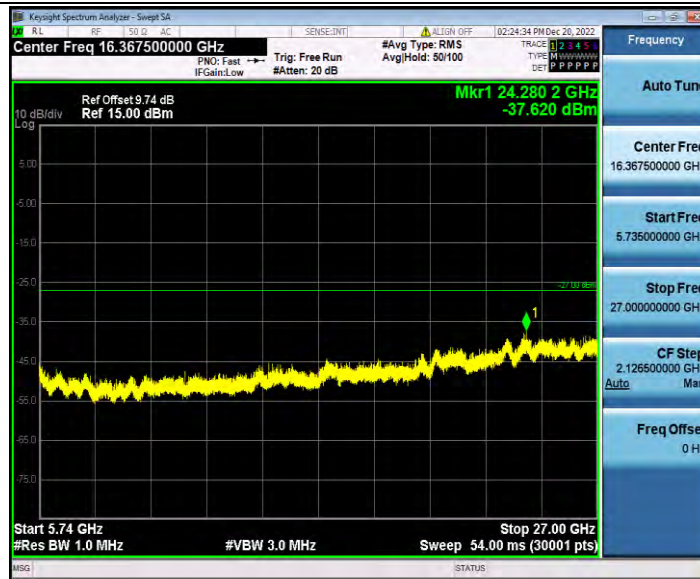
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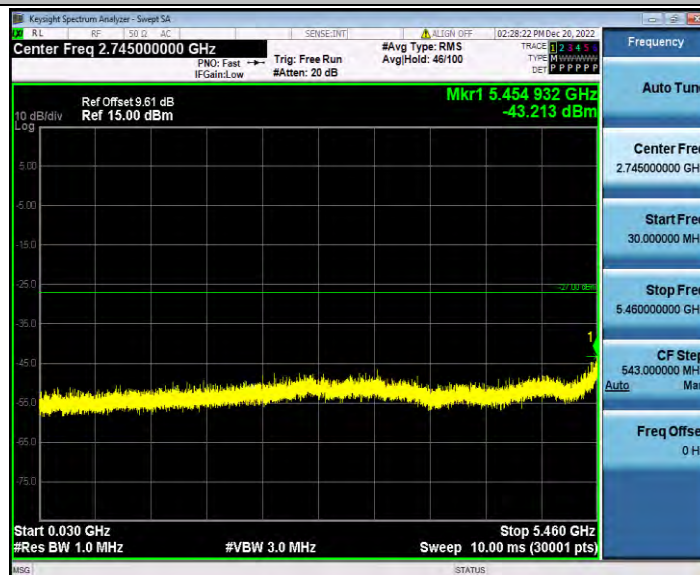
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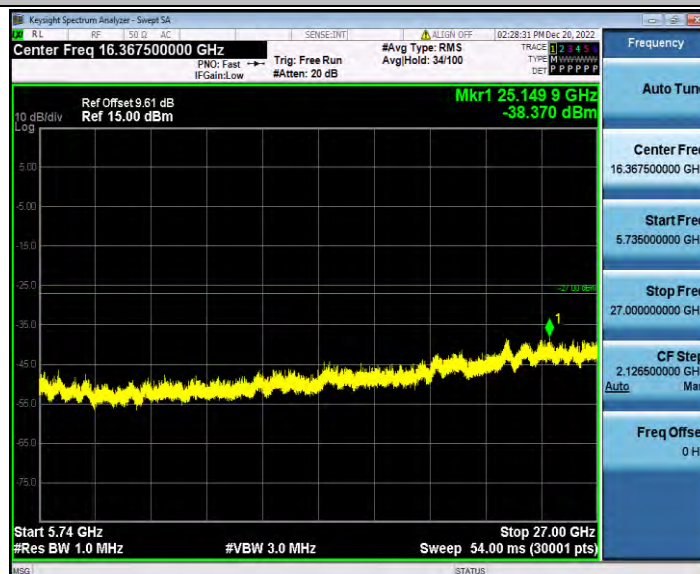
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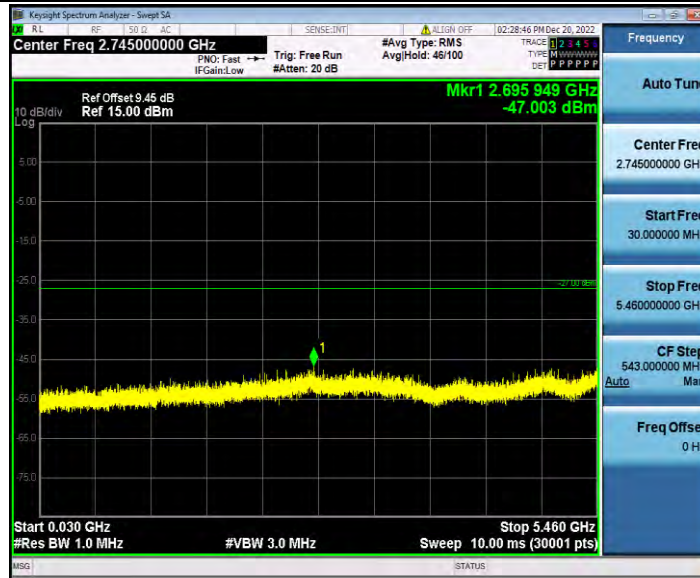
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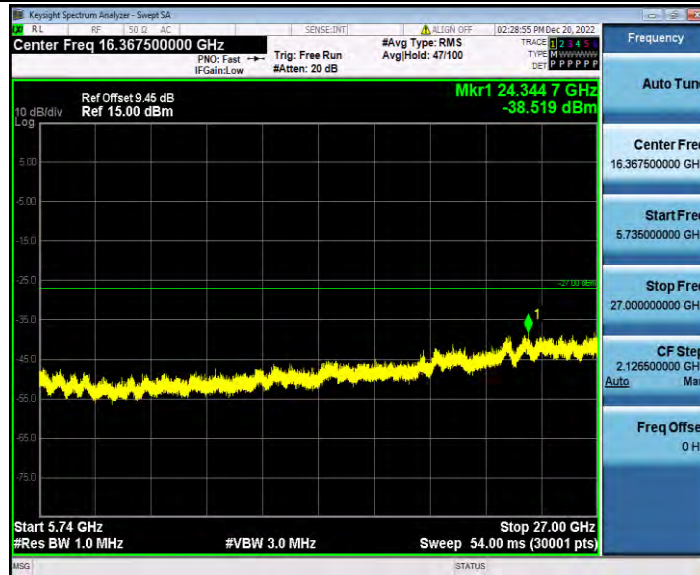
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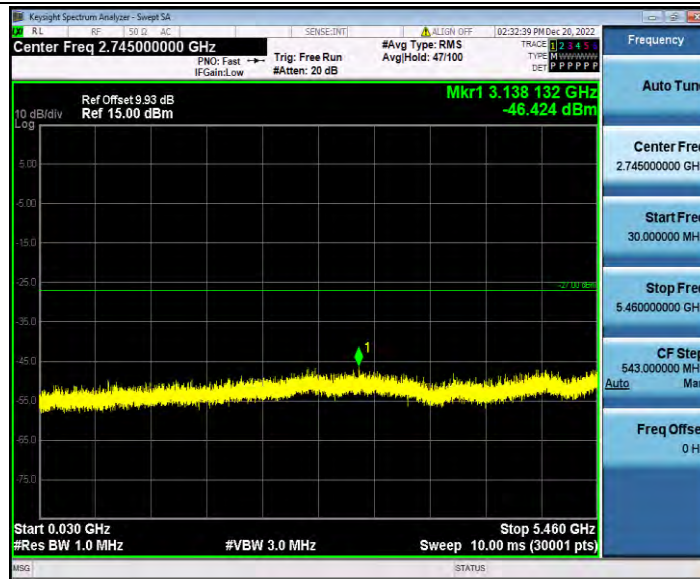
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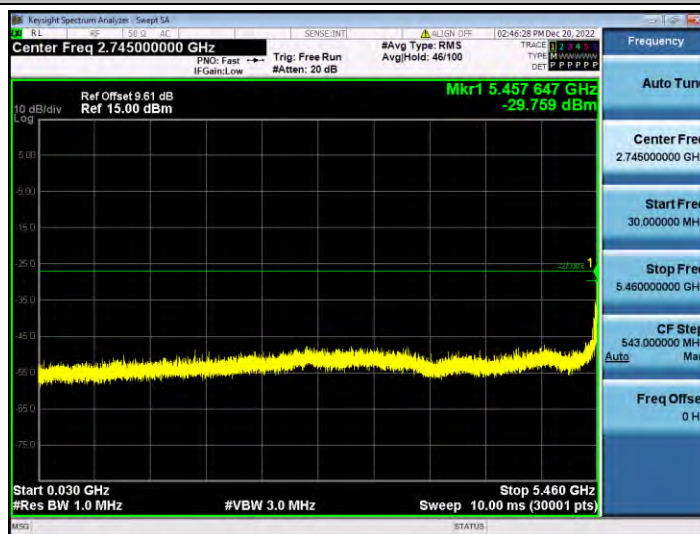
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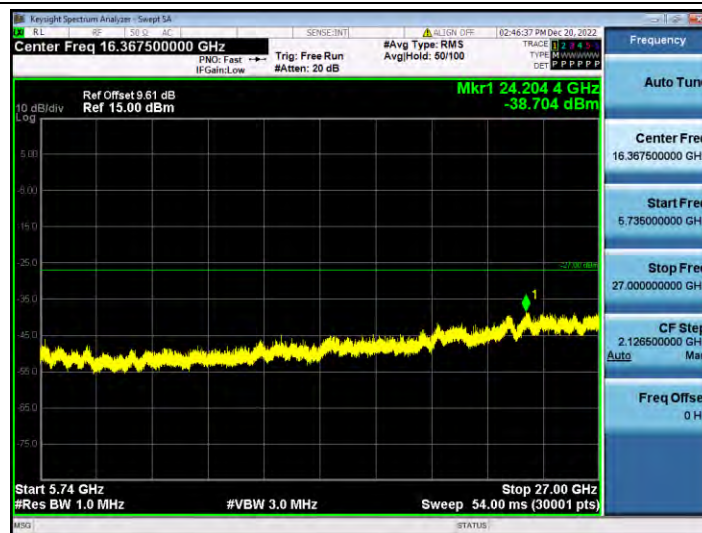
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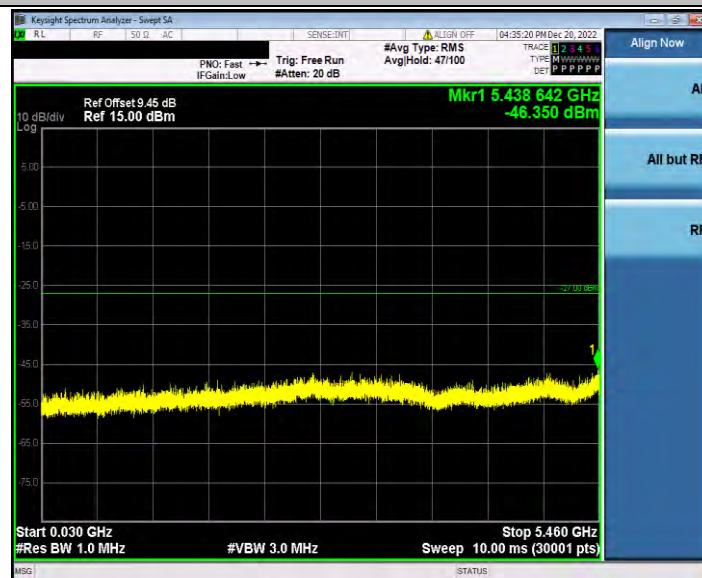
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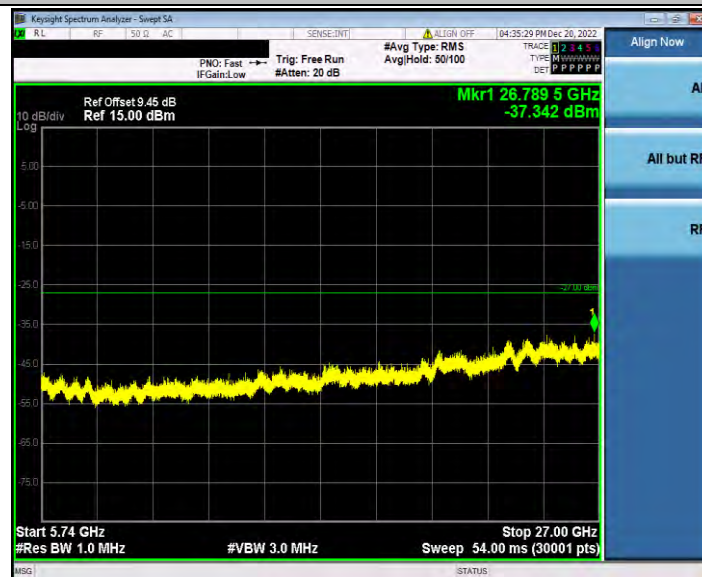
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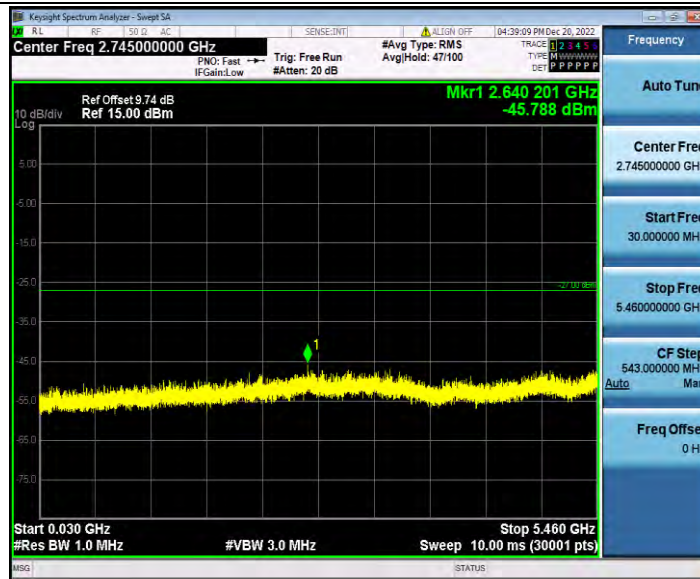
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11AC40SISO_Ant1_5590_5735~40000



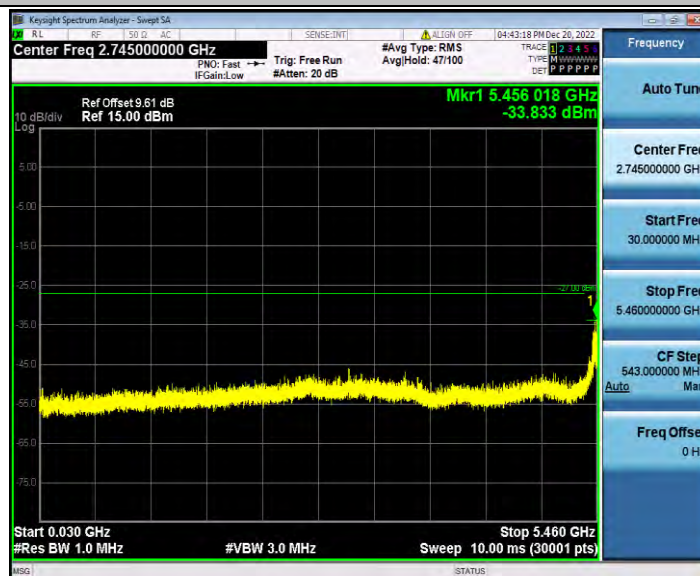
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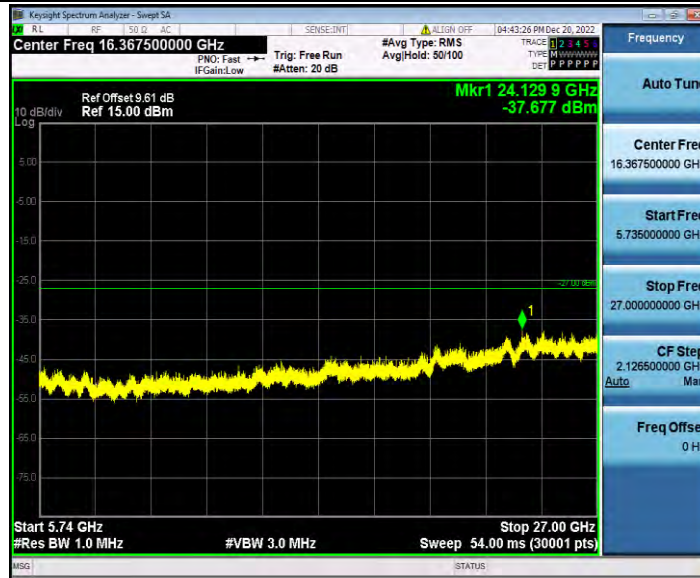
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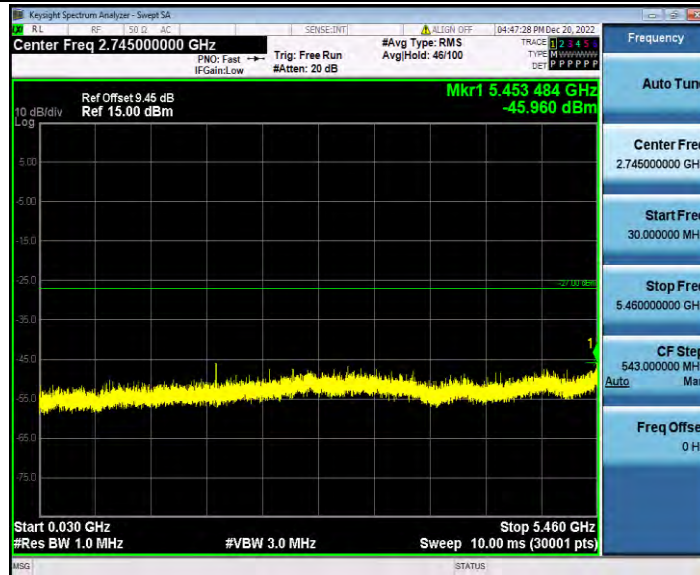
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11AC80SISO_Ant1_5530_5735~40000



11AC80SISO_Ant1_5610_30~5460



11AC80SISO_Ant1_5610_5735~40000

