

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

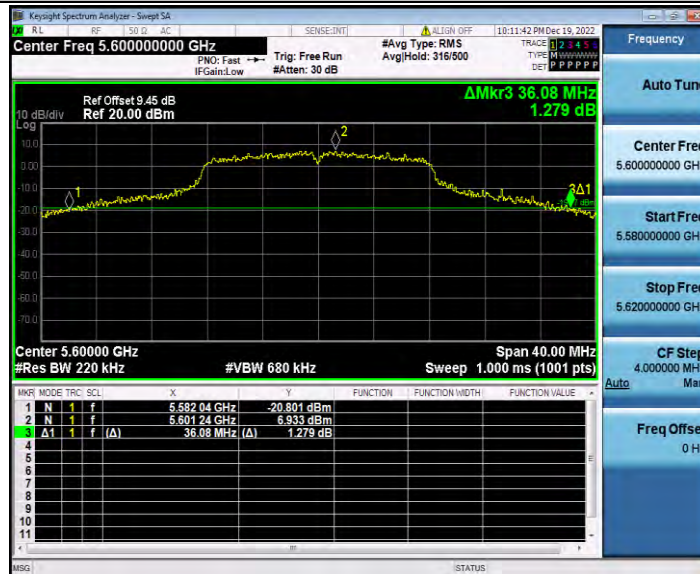
TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	20.080	5490.000	5510.080	---	---
		5600	36.080	5582.040	5618.120	---	---
		5700	33.760	5683.080	5716.840	---	---
11N20SISO	Ant1	5500	20.520	5489.760	5510.280	---	---
		5600	35.320	5582.200	5617.520	---	---
		5700	32.400	5682.600	5715.000	---	---
11N40SISO	Ant1	5510	41.040	5489.440	5530.480	---	---
		5590	76.400	5550.640	5627.040	---	---
		5670	55.200	5640.560	5695.760	---	---
11AC20SISO	Ant1	5500	20.480	5489.680	5510.160	---	---
		5600	31.400	5584.840	5616.240	---	---
		5700	23.760	5686.520	5710.280	---	---
11AC40SISO	Ant1	5510	40.480	5489.920	5530.400	---	---
		5590	63.120	5560.160	5623.280	---	---
		5670	62.720	5633.840	5696.560	---	---
11AC80SISO	Ant1	5530	81.600	5489.360	5570.960	---	---
		5610	137.280	5542.320	5679.600	---	---

Test Graphs

11A_Ant1_5500



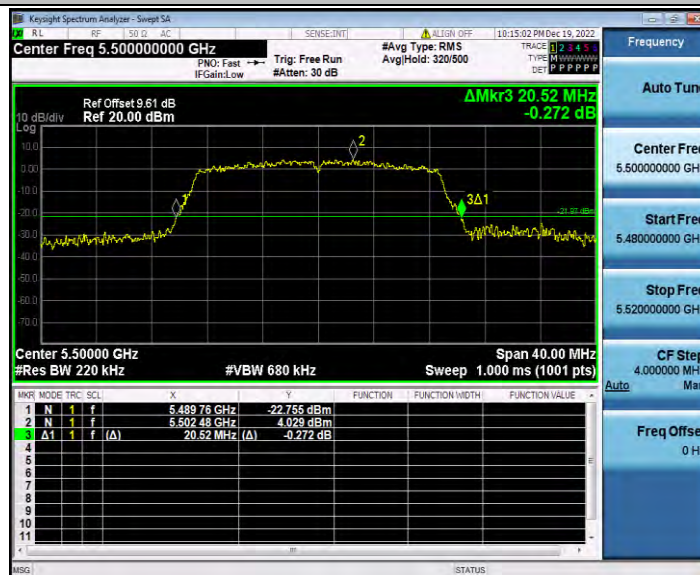
11A_Ant1_5600



11A_Ant1_5700



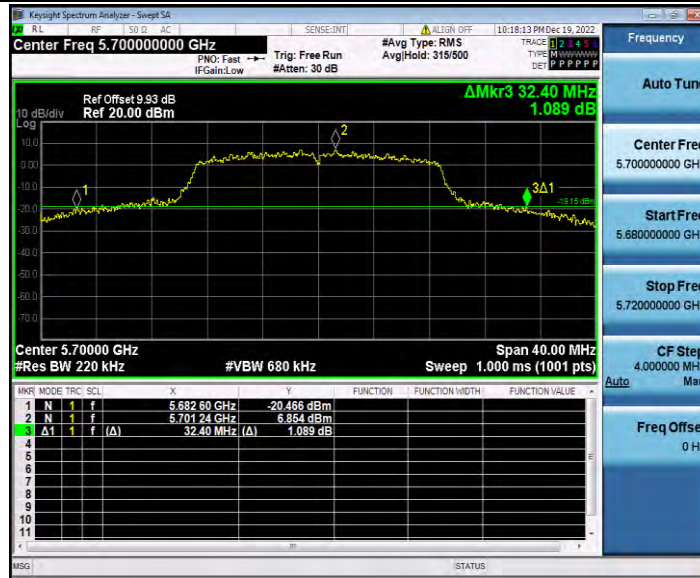
11N20SISO_Ant1_5500



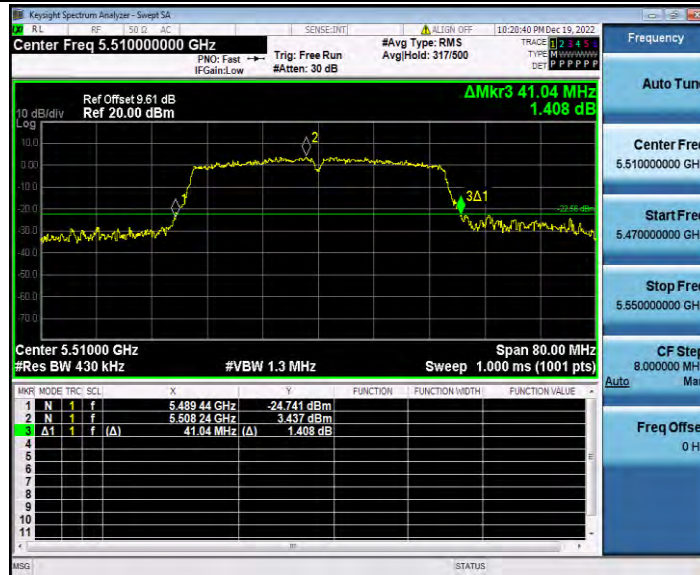
11N20SISO_Ant1_5600



11N20SISO_Ant1_5700



11N40SISO_Ant1_5510



11N40SISO_Ant1_5590



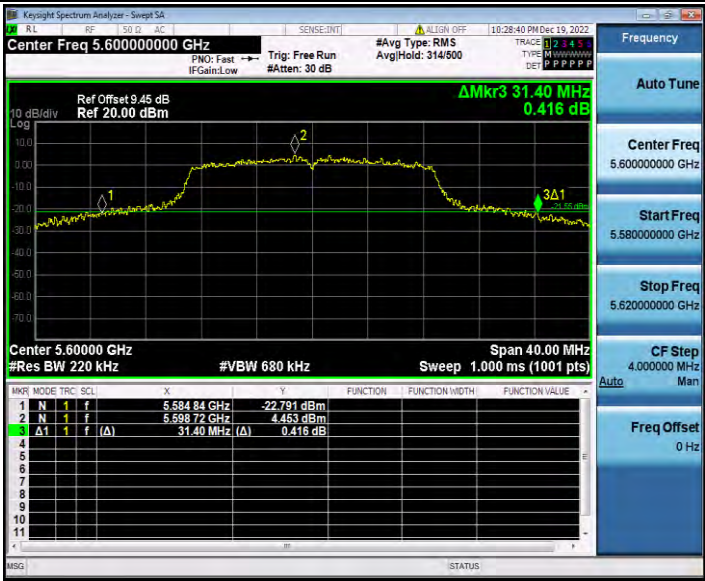
11N40SISO_Ant1_5670



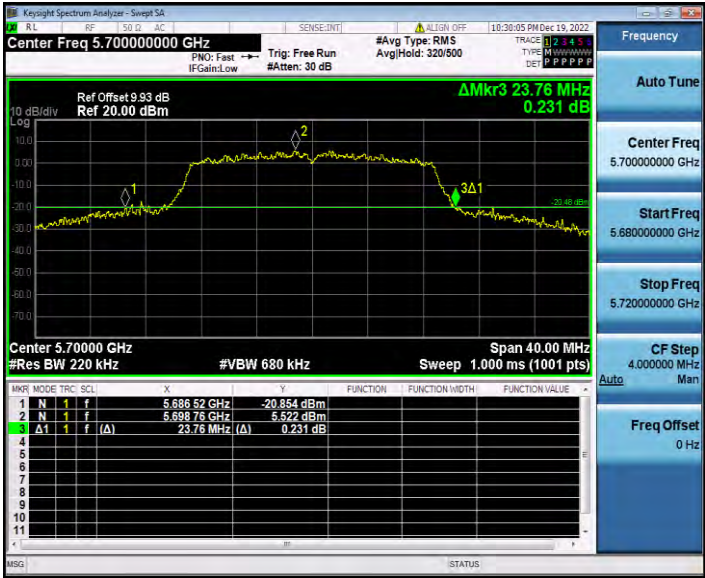
11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5600



11AC20SISO_Ant1_5700



11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5590



11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



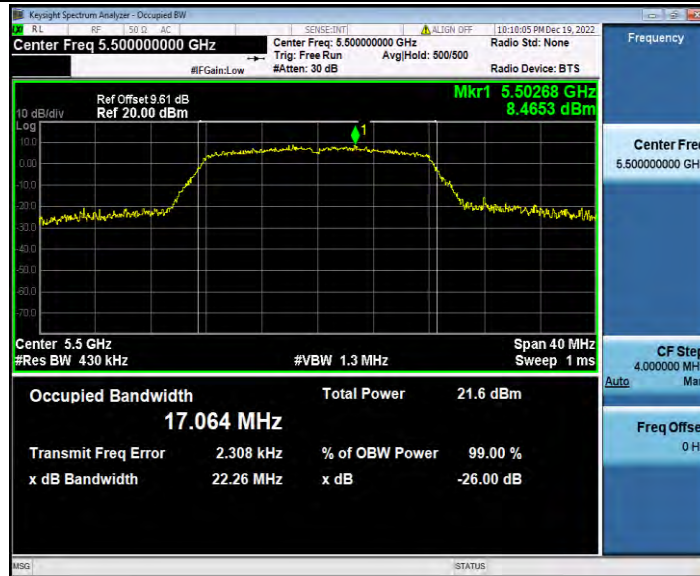
Appendix F.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	17.064	5491.470	5508.534	---	---
		5600	21.896	5589.220	5611.116	---	---
		5700	19.000	5690.235	5709.235	---	---
11N20SISO	Ant1	5500	17.860	5491.060	5508.920	---	---
		5600	20.796	5589.912	5610.708	---	---
		5700	18.496	5690.659	5709.155	---	---
11N40SISO	Ant1	5510	36.428	5491.853	5528.281	---	---
		5590	37.431	5571.440	5608.871	---	---
		5670	36.875	5651.479	5688.354	---	---
11AC20SISO	Ant1	5500	17.916	5491.027	5508.943	---	---
		5600	18.638	5590.686	5609.324	---	---
		5700	18.135	5690.900	5709.035	---	---
11AC40SISO	Ant1	5510	36.410	5491.889	5528.299	---	---
		5590	37.498	5571.319	5608.817	---	---
		5670	36.909	5651.495	5688.404	---	---
11AC80SISO	Ant1	5530	75.989	5492.016	5568.005	---	---
		5610	77.282	5571.188	5648.470	---	---

Test Graphs

11A_Ant1_5500



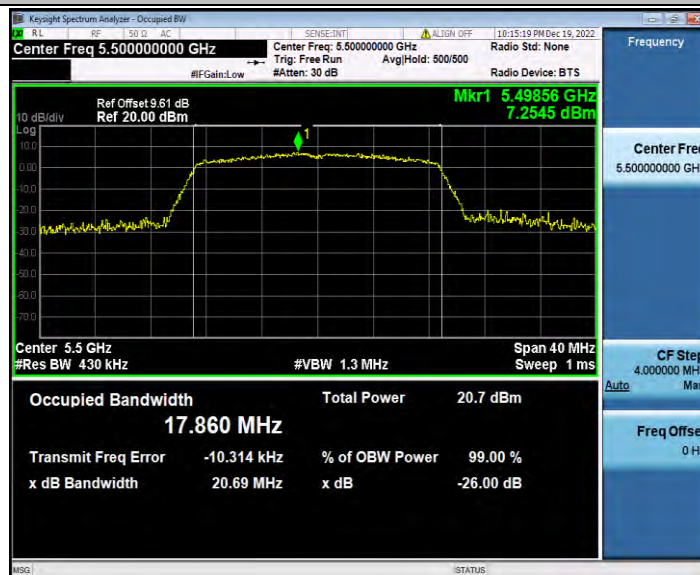
11A_Ant1_5600



11A_Ant1_5700



11N20SISO_Ant1_5500



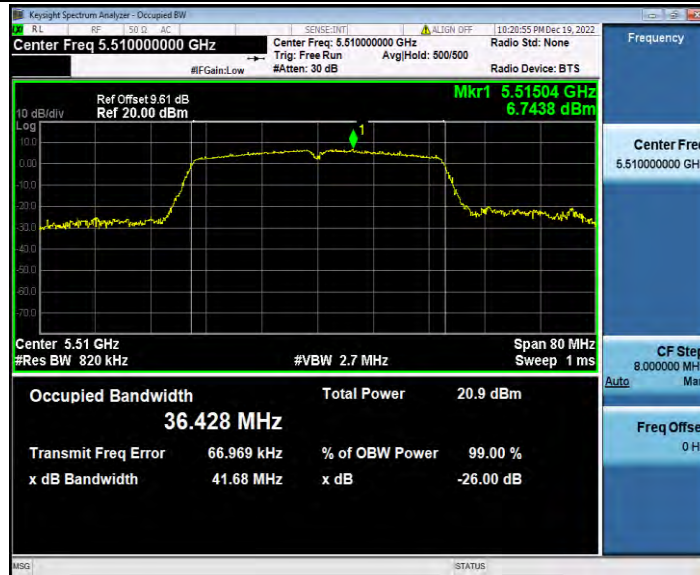
11N20SISO_Ant1_5600



11N20SISO_Ant1_5700



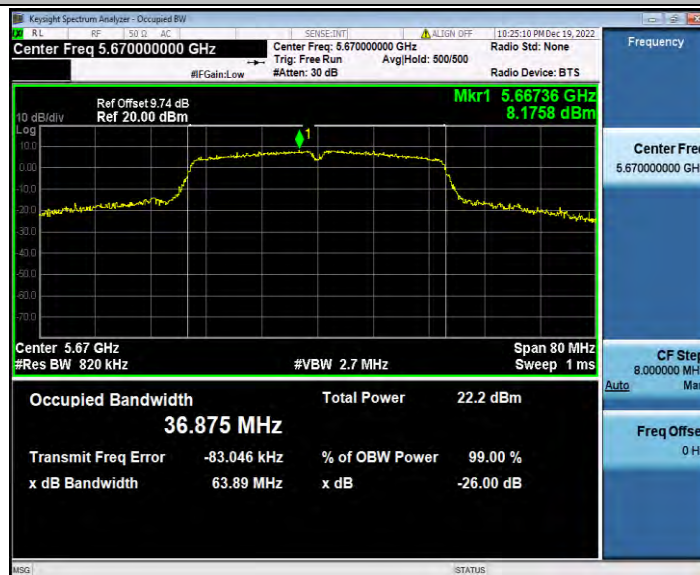
11N40SISO_Ant1_5510



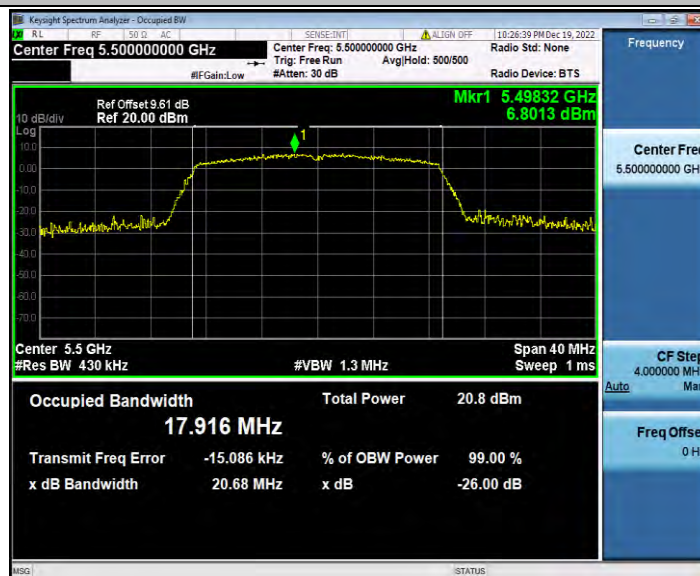
11N40SISO_Ant1_5590



11N40SISO_Ant1_5670



11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5600



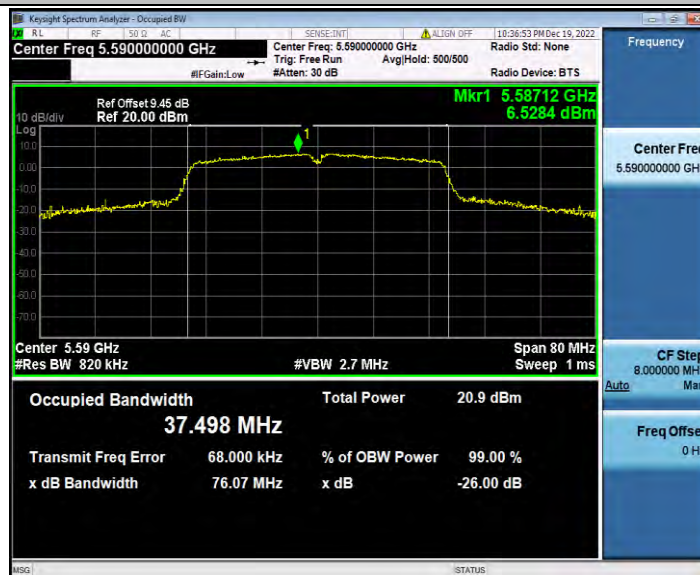
11AC20SISO_Ant1_5700



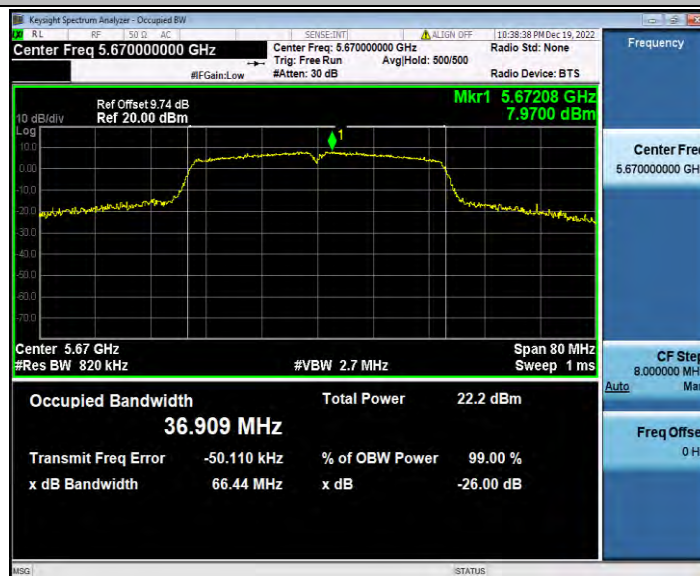
11AC40SISO_Ant1_5510



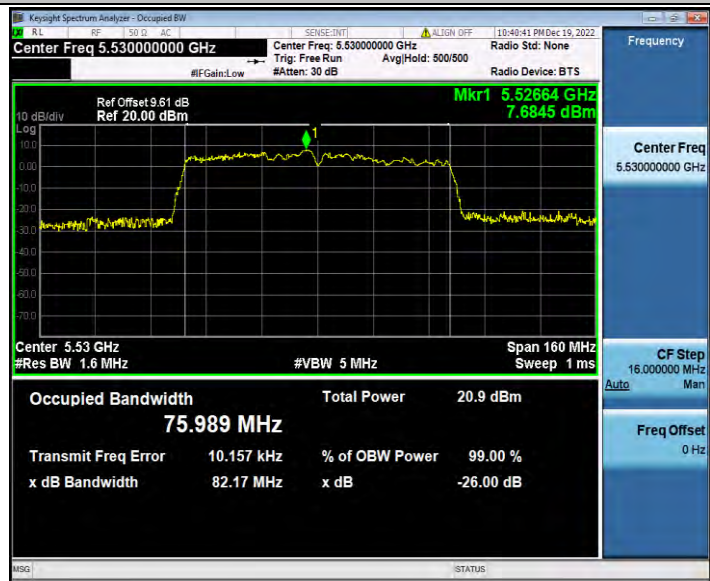
11AC40SISO_Ant1_5590



11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



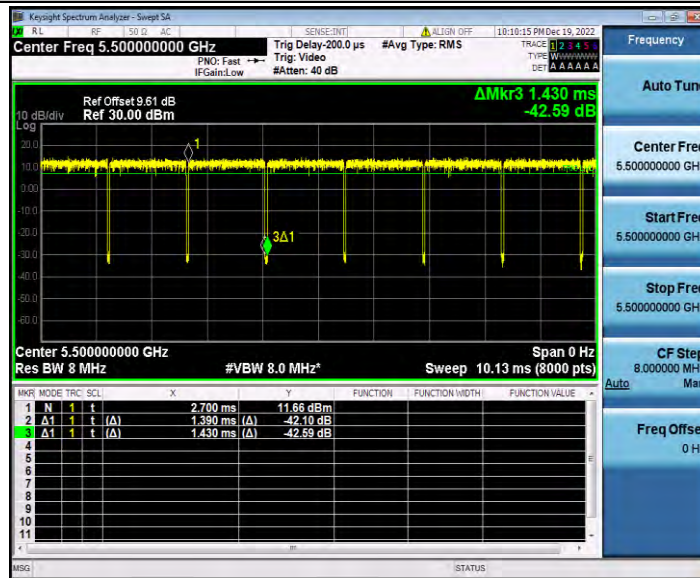
Appendix F.3: Duty Cycle

Test Result

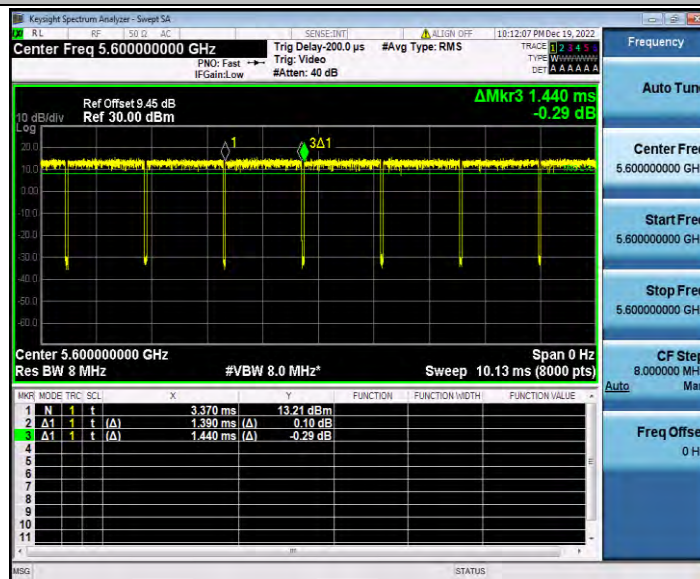
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5500	1.39	1.43	97.20
		5600	1.39	1.44	96.53
		5700	1.40	1.44	97.22
11N20SISO	Ant1	5500	1.30	1.35	96.30
		5600	1.30	1.34	97.01
		5700	1.30	1.34	97.01
11N40SISO	Ant1	5510	0.64	0.69	92.75
		5590	0.64	0.69	92.75
		5670	0.65	0.69	94.20
11AC20SISO	Ant1	5500	1.30	1.35	96.30
		5600	1.30	1.34	97.01
		5700	1.30	1.35	96.30
11AC40SISO	Ant1	5510	0.65	0.69	94.20
		5590	0.65	0.69	94.20
		5670	0.65	0.69	94.20
11AC80SISO	Ant1	5530	1.07	1.11	96.40
		5610	1.06	1.10	96.36

Test Graphs

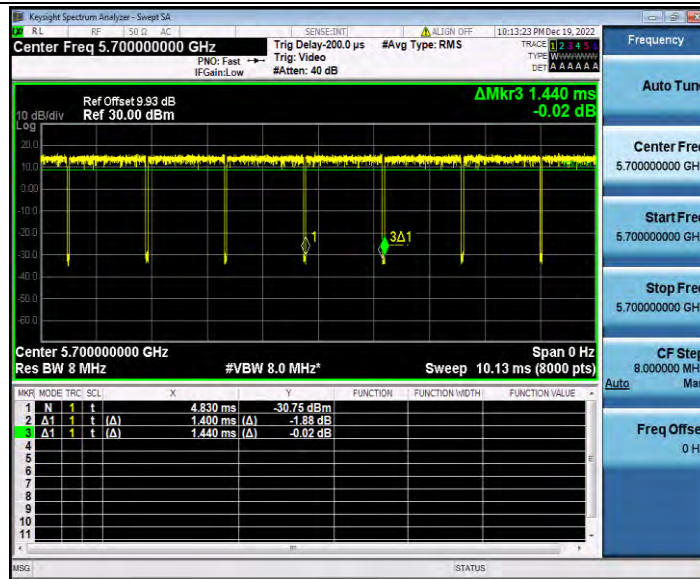
11A_Ant1_5500



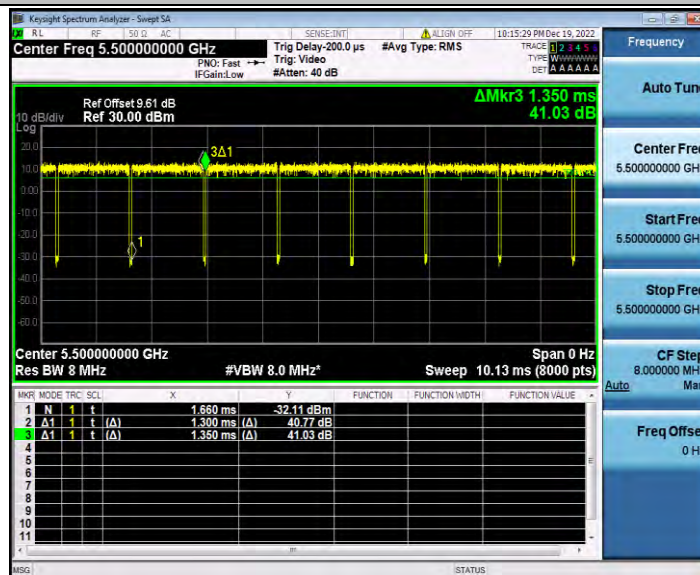
11A_Ant1_5600



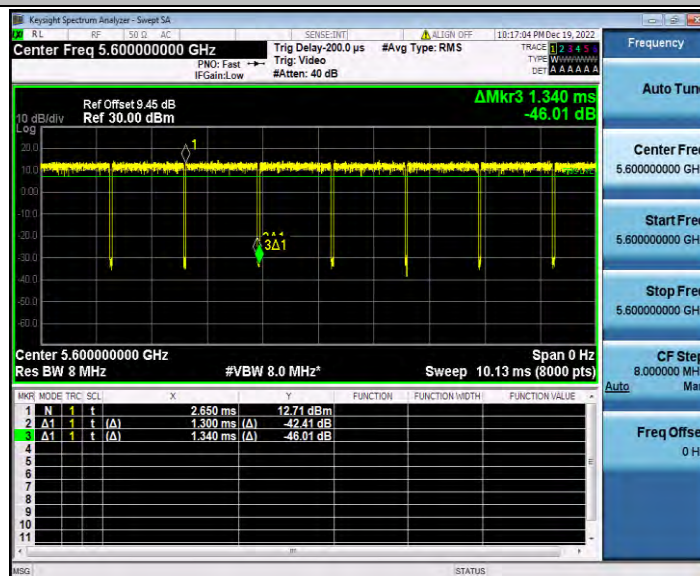
11A_Ant1_5700



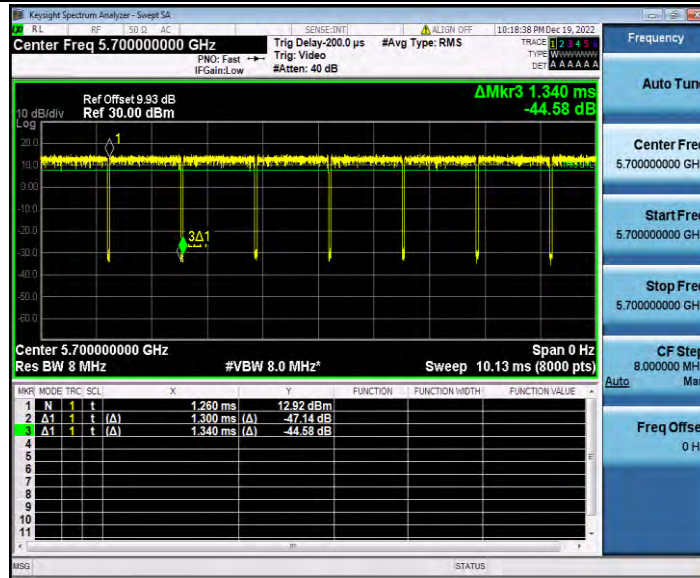
11N20SISO_Ant1_5500



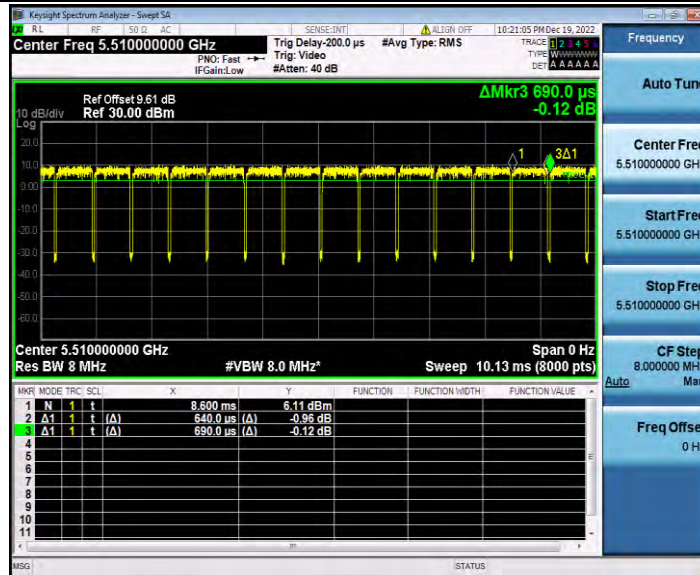
11N20SISO_Ant1_5600



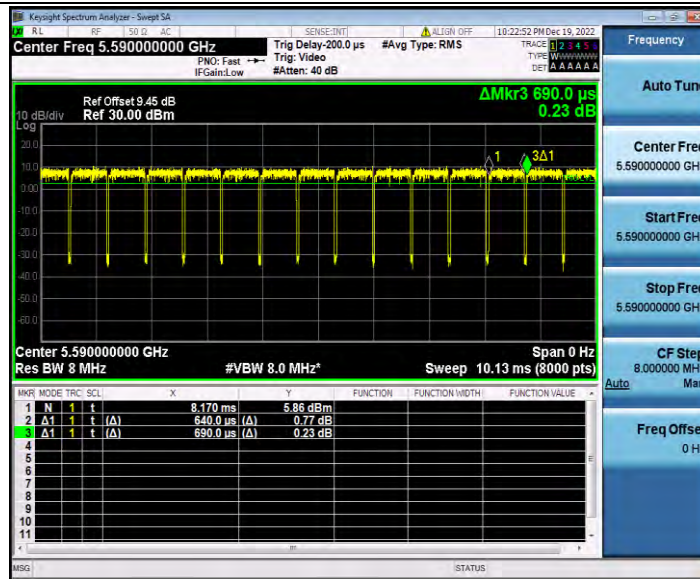
11N20SISO_Ant1_5700



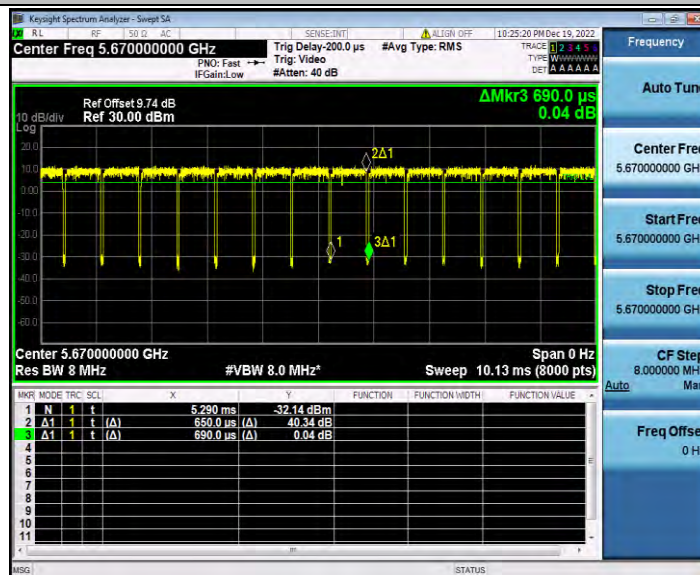
11N40SISO_Ant1_5510



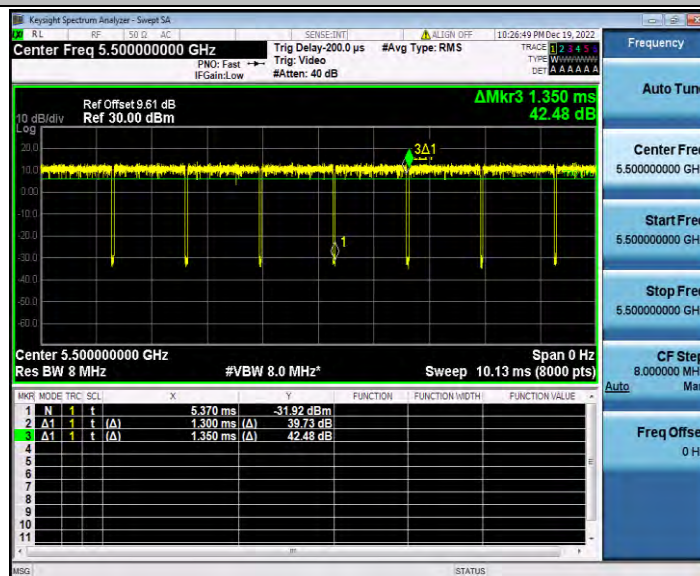
11N40SISO_Ant1_5590



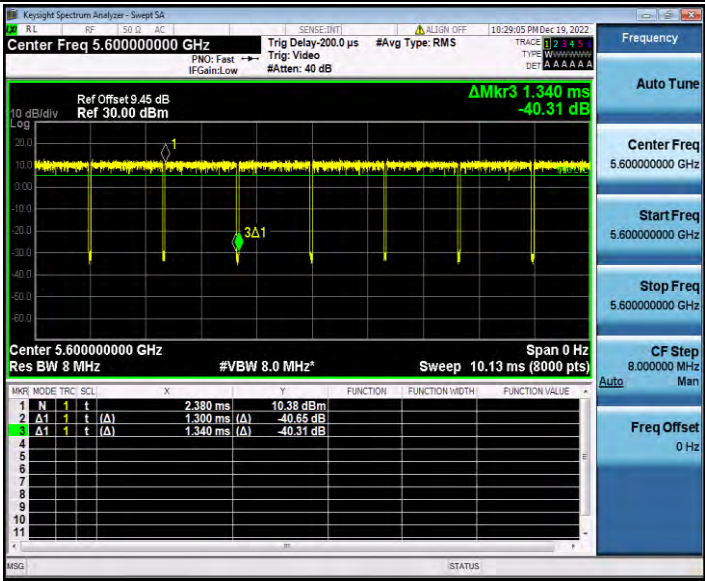
11N40SISO_Ant1_5670



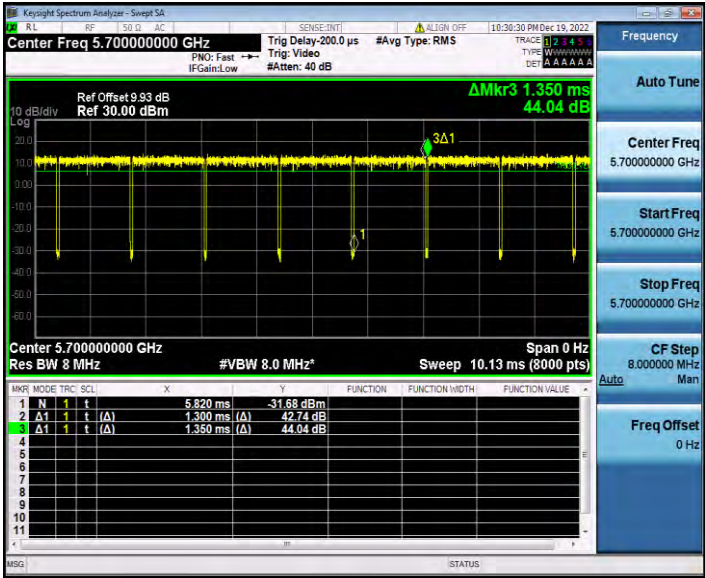
11AC20SISO_Ant1_5500



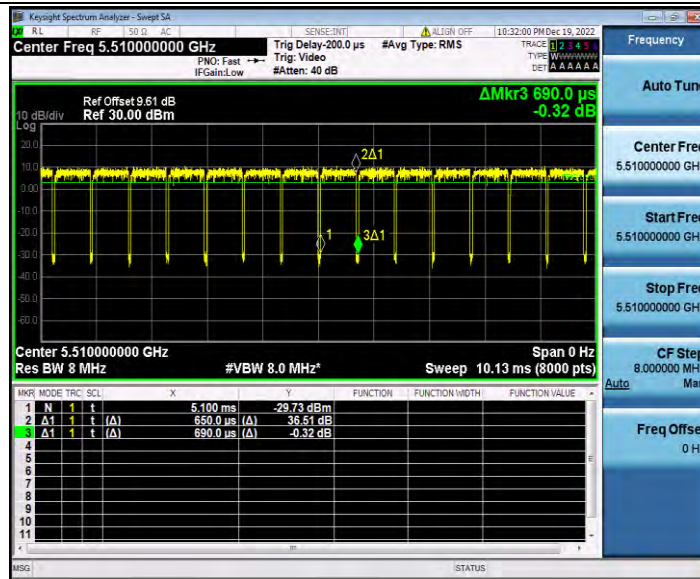
11AC20SISO_Ant1_5600



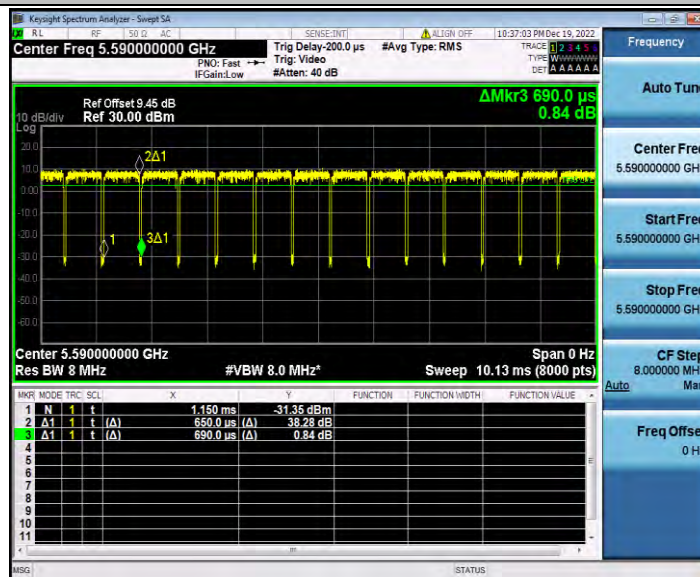
11AC20SISO_Ant1_5700



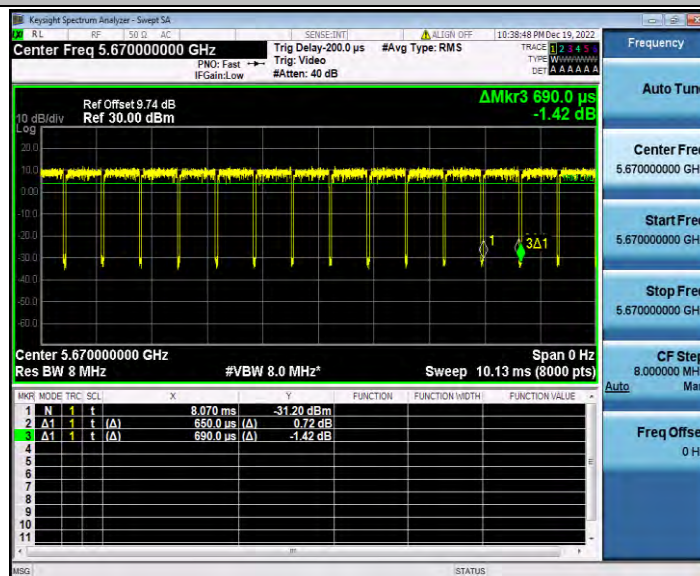
11AC40SISO_Ant1_5510



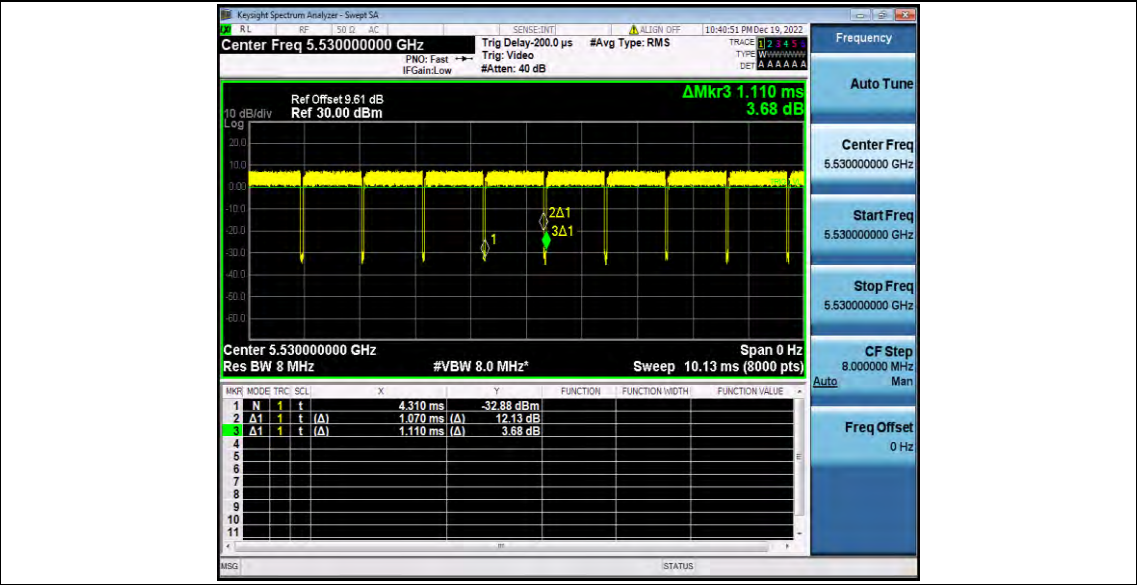
11AC40SISO_Ant1_5590



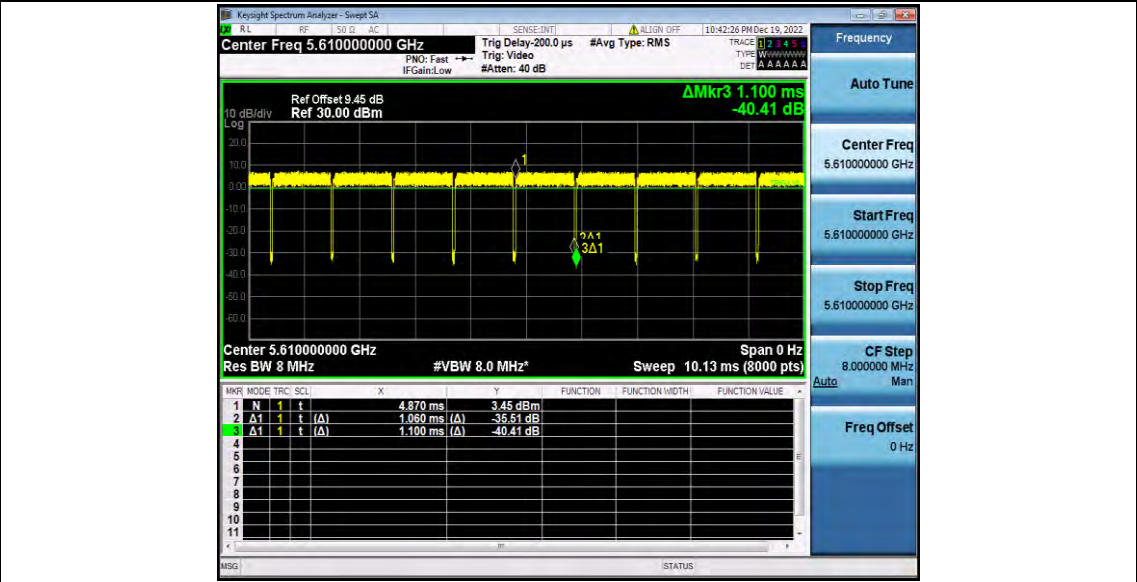
11AC40SISO_Ant1_5670



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	14.64	97.20	0.12	14.76	≤23.98	PASS
		5600	15.84	96.53	0.15	15.99	≤23.98	PASS
		5700	16.52	97.22	0.12	16.64	≤23.98	PASS
11N20SISO	Ant1	5500	13.69	96.30	0.16	13.85	≤23.98	PASS
		5600	14.94	97.01	0.13	15.07	≤23.98	PASS
		5700	15.54	97.01	0.13	15.67	≤23.98	PASS
11N40SISO	Ant1	5510	13.15	92.75	0.33	13.48	≤23.98	PASS
		5590	13.06	92.75	0.33	13.39	≤23.98	PASS
		5670	14.48	94.20	0.26	14.74	≤23.98	PASS
11AC20SISO	Ant1	5500	13.81	96.30	0.16	13.97	≤23.98	PASS
		5600	13.21	97.01	0.13	13.34	≤23.98	PASS
		5700	14.26	96.30	0.16	14.42	≤23.98	PASS
11AC40SISO	Ant1	5510	13.17	94.20	0.26	13.43	≤23.98	PASS
		5590	13.12	94.20	0.26	13.38	≤23.98	PASS
		5670	14.50	94.20	0.26	14.76	≤23.98	PASS
11AC80SISO	Ant1	5530	12.96	96.40	0.16	13.12	≤23.98	PASS
		5610	12.72	96.36	0.16	12.88	≤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	3.81	≤11.00	PASS
		5600	5.18	≤11.00	PASS
		5700	5.76	≤11.00	PASS
11N20SISO	Ant1	5500	2.78	≤11.00	PASS
		5600	3.98	≤11.00	PASS
		5700	4.56	≤11.00	PASS
11N40SISO	Ant1	5510	-0.14	≤11.00	PASS
		5590	-0.23	≤11.00	PASS
		5670	1.11	≤11.00	PASS
11AC20SISO	Ant1	5500	2.84	≤11.00	PASS
		5600	2.28	≤11.00	PASS
		5700	3.33	≤11.00	PASS
11AC40SISO	Ant1	5510	-0.23	≤11.00	PASS
		5590	-0.31	≤11.00	PASS
		5670	1.1	≤11.00	PASS
11AC80SISO	Ant1	5530	-2.21	≤11.00	PASS
		5610	-2.66	≤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



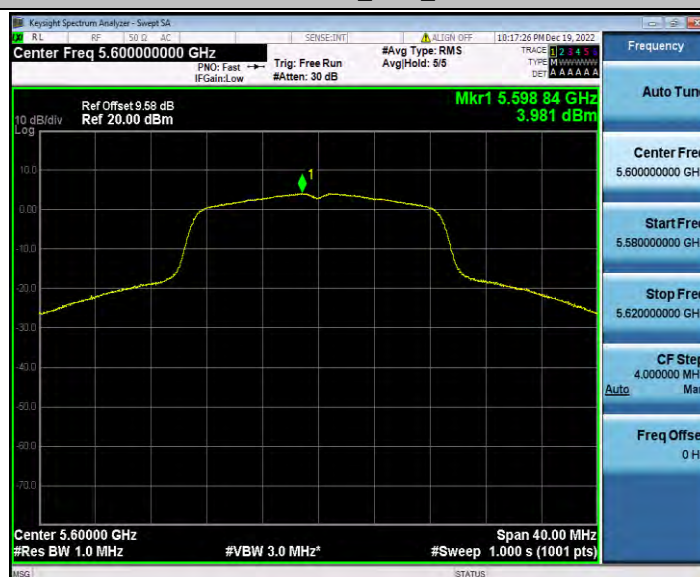
11A_Ant1_5700



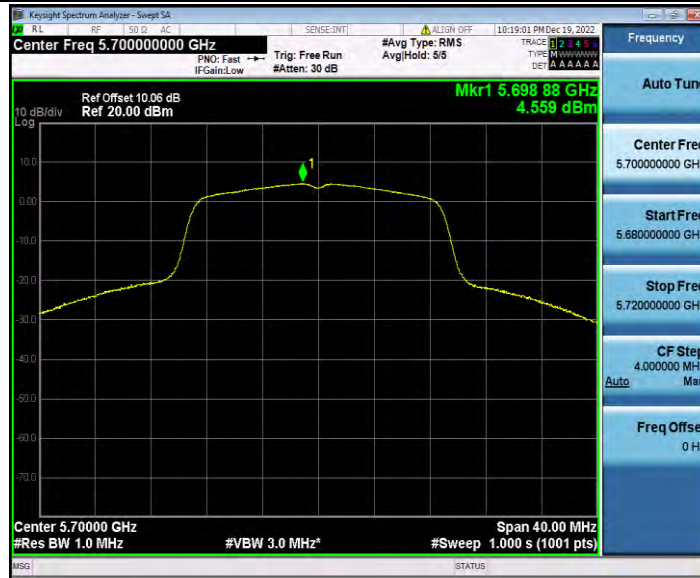
11N20SISO_Ant1_5500



11N20SISO_Ant1_5600



11N20SISO_Ant1_5700



11N40SISO_Ant1_5510



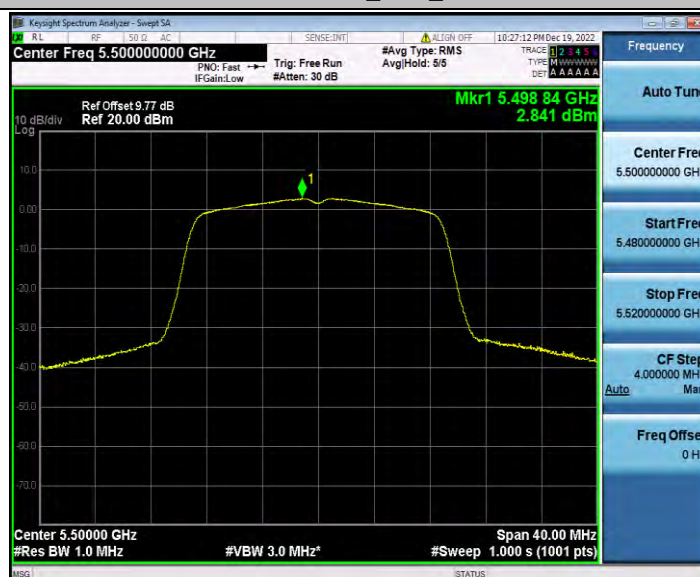
11N40SISO_Ant1_5590



11N40SISO_Ant1_5670



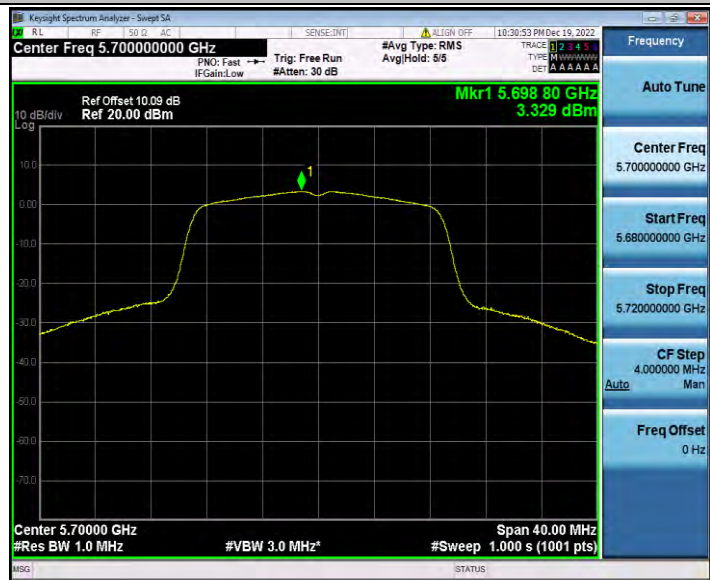
11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5600



11AC20SISO_Ant1_5700



11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5590



11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



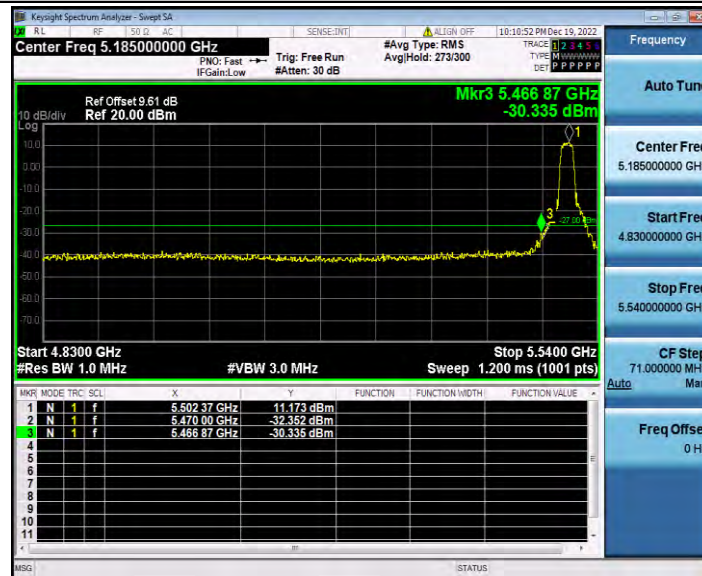
Appendix F.6: Band edge measurements

Test Result B3

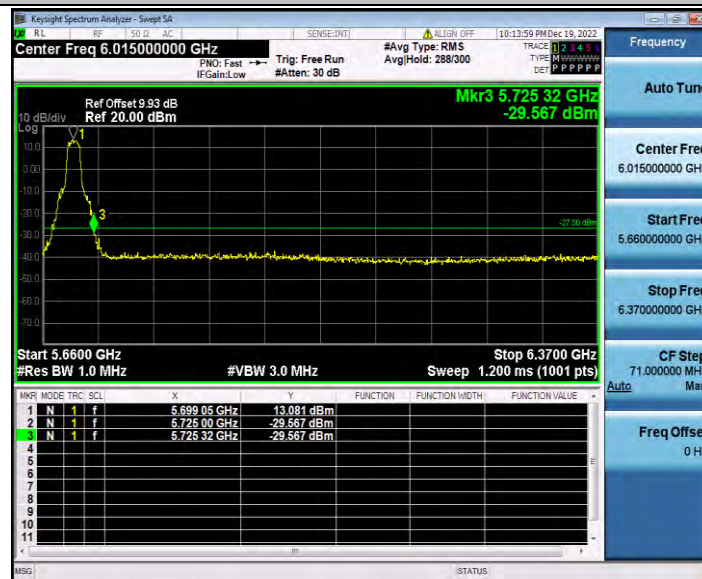
TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5500	-30.34	≤-27	PASS
		High	5700	-29.57	≤-27	PASS
11N20SISO	Ant1	Low	5500	-32.47	≤-27	PASS
		High	5700	-30.41	≤-27	PASS
11N40SISO	Ant1	Low	5510	-27.07	≤-27	PASS
		High	5670	-35.52	≤-27	PASS
11AC20SISO	Ant1	Low	5500	-33.67	≤-27	PASS
		High	5700	-32.85	≤-27	PASS
11AC40SISO	Ant1	Low	5510	-28.03	≤-27	PASS
		High	5670	-36.71	≤-27	PASS
11AC80SISO	Ant1	Low	5530	-27.95	≤-27	PASS
		High	5610	-37.37	≤-27	PASS

Test Graphs B1/2/3

11A_Ant1_Low_5500



11A_Ant1_High_5700



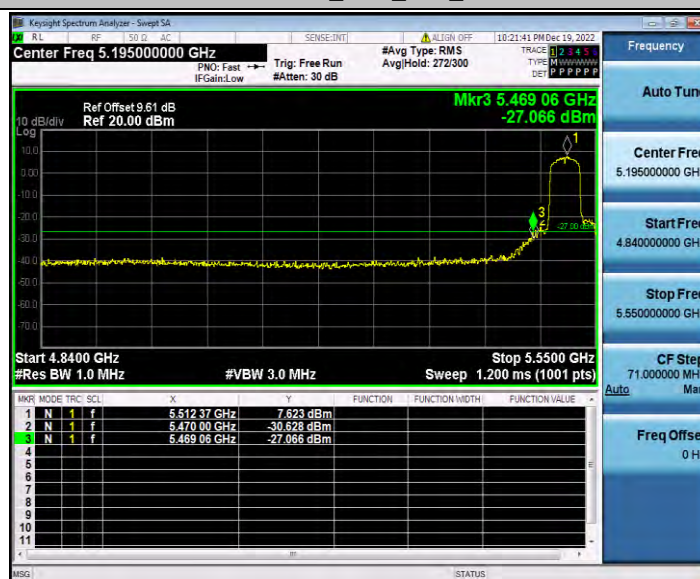
11N20SISO_Ant1_Low_5500



11N20SISO_Ant1_High_5700



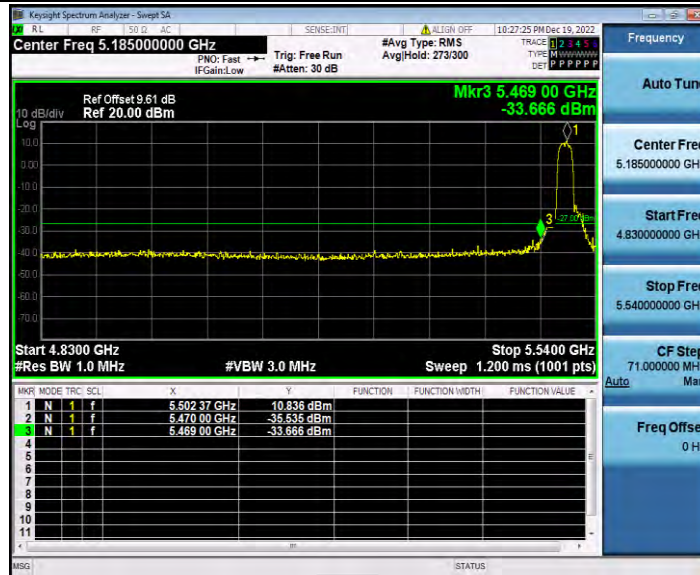
11N40SISO_Ant1_Low_5510



11N40SISO_Ant1_High_5670



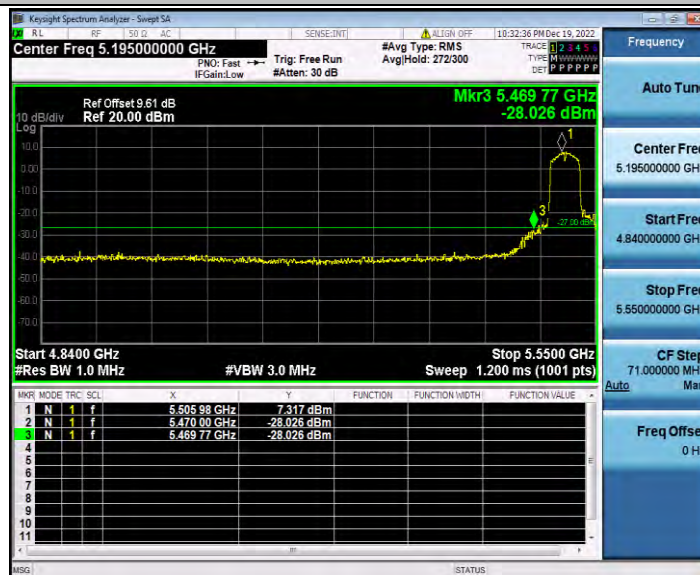
11AC20SISO_Ant1_Low_5500



11AC20SISO_Ant1_High_5700



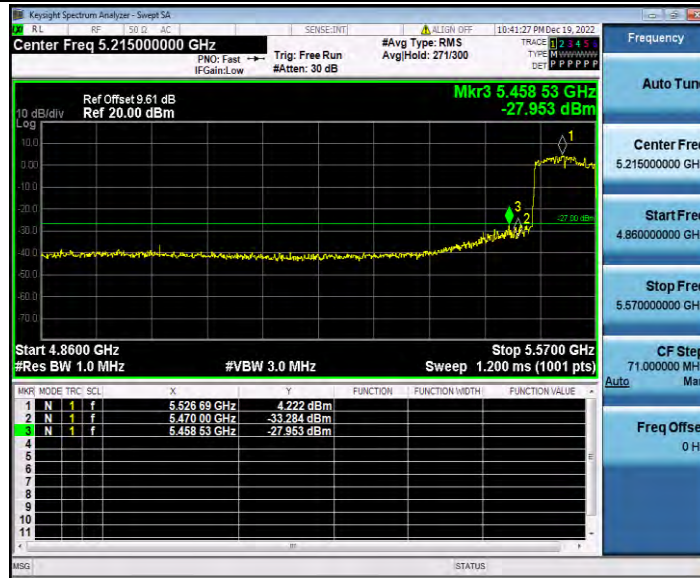
11AC40SISO_Ant1_Low_5510



11AC40SISO_Ant1_High_5670



11AC80SISO_Ant1_Low_5530



11AC80SISO_Ant1_High_5610



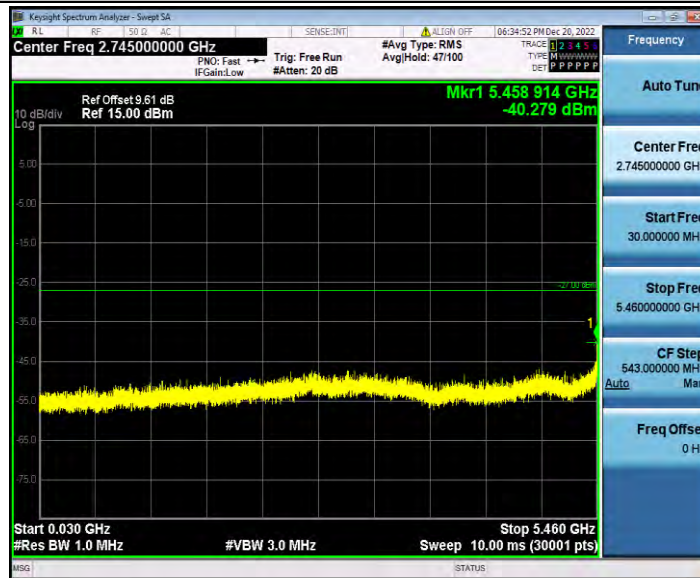
Appendix F.7: Conducted Spurious Emission

Test Result

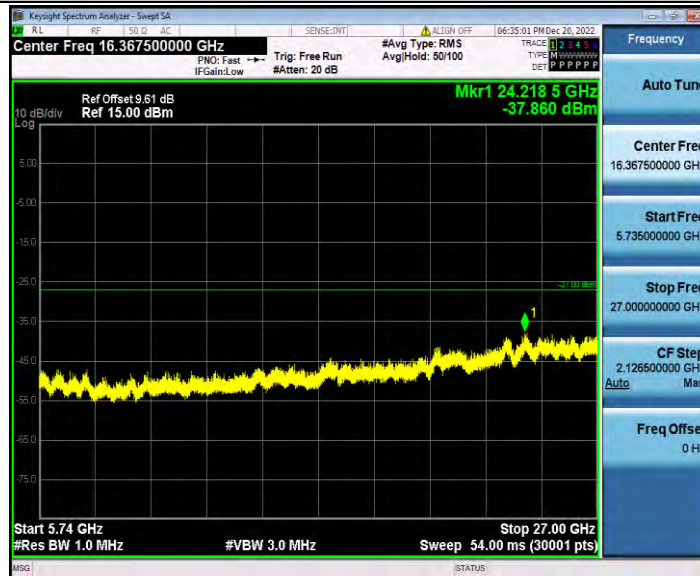
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5500	30~5460	5458.91	-40.28	≤-27	PASS
			5735~40000	24218.54	-37.86	≤-27	PASS
		5600	30~5460	4972.39	-46.23	≤-27	PASS
			5735~40000	24225.63	-38.38	≤-27	PASS
		5700	30~5460	5451.13	-46.34	≤-27	PASS
			5735~40000	24258.23	-37.47	≤-27	PASS
11N20SISO	Ant1	5500	30~5460	5452.76	-44.63	≤-27	PASS
			5735~40000	25207.36	-37.81	≤-27	PASS
		5600	30~5460	3092.52	-46.82	≤-27	PASS
			5735~40000	23520.34	-38.08	≤-27	PASS
		5700	30~5460	2648.53	-46.04	≤-27	PASS
			5735~40000	25654.63	-38.15	≤-27	PASS
11N40SISO	Ant1	5510	30~5460	5451.49	-38.77	≤-27	PASS
			5735~40000	26500.27	-38.1	≤-27	PASS
		5590	30~5460	5458.55	-46.34	≤-27	PASS
			5735~40000	26535.01	-38.39	≤-27	PASS
		5670	30~5460	4887.68	-47.09	≤-27	PASS
			5735~40000	25243.51	-37.35	≤-27	PASS
11AC20SISO	Ant1	5500	30~5460	5459.46	-44.99	≤-27	PASS
			5735~40000	24281.62	-37.85	≤-27	PASS
		5600	30~5460	5037.91	-46.36	≤-27	PASS
			5735~40000	24168.21	-38.55	≤-27	PASS
		5700	30~5460	2678.57	-46.04	≤-27	PASS
			5735~40000	23540.18	-37.66	≤-27	PASS
11AC40SISO	Ant1	5510	30~5460	5456.92	-42.19	≤-27	PASS
			5735~40000	24219.96	-38.07	≤-27	PASS
		5590	30~5460	2650.7	-46.97	≤-27	PASS
			5735~40000	24275.24	-38.36	≤-27	PASS
		5670	30~5460	4933.47	-47.09	≤-27	PASS
			5735~40000	24297.93	-37.5	≤-27	PASS
11AC80SISO	Ant1	5530	30~5460	5448.96	-36.57	≤-27	PASS
			5735~40000	24250.44	-38.14	≤-27	PASS
		5610	30~5460	5438.28	-46.19	≤-27	PASS
			5735~40000	25588.71	-38.34	≤-27	PASS

Test Graphs

11A_Ant1_5500_30~5460



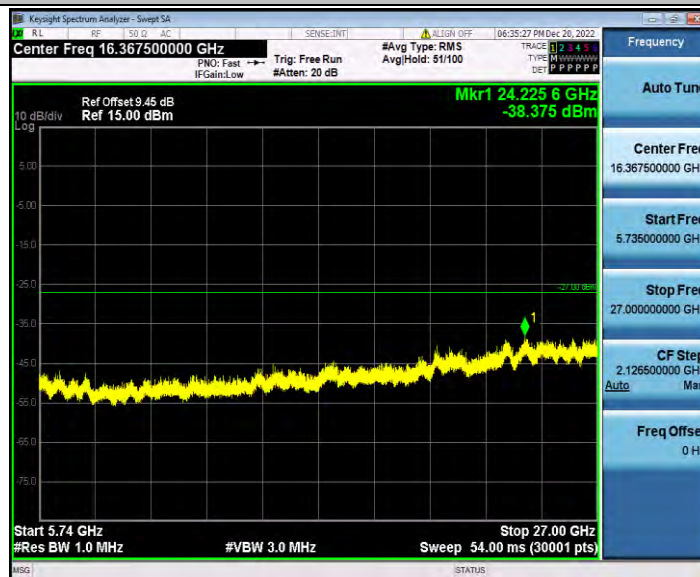
11A_Ant1_5500_5735~40000



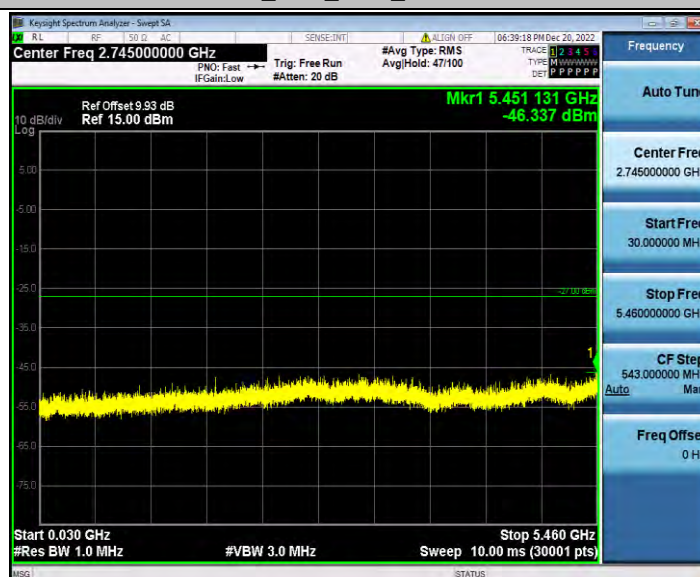
11A_Ant1_5600_30~5460



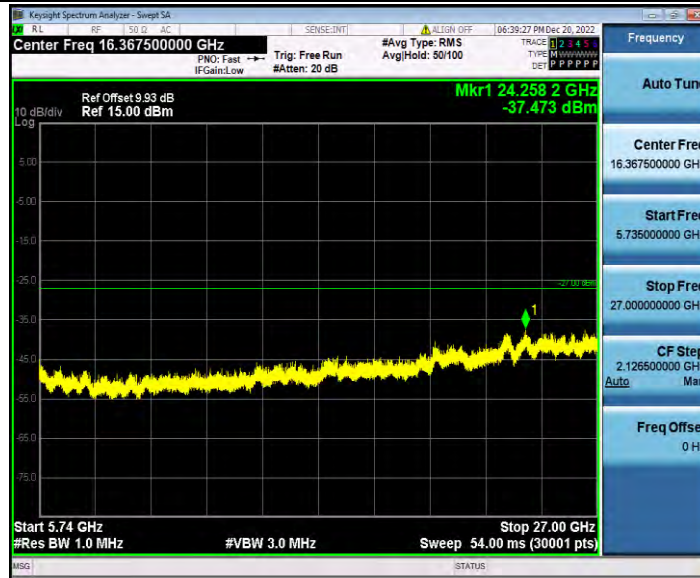
11A_Ant1_5600_5735~40000



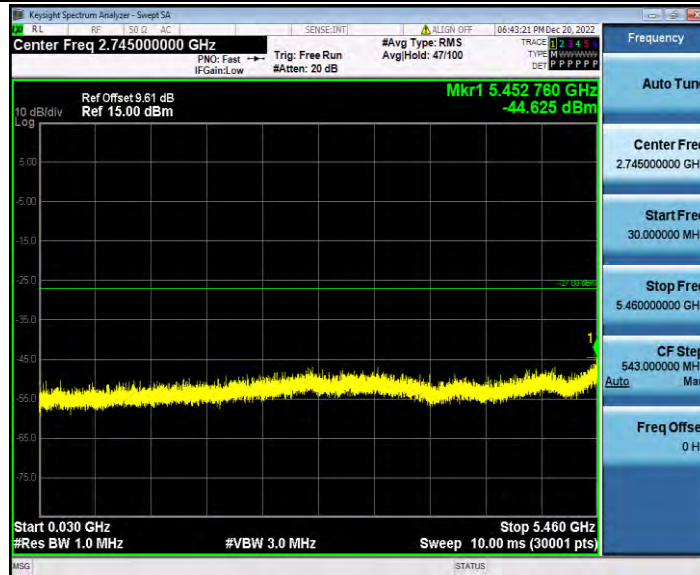
11A_Ant1_5700_30~5460



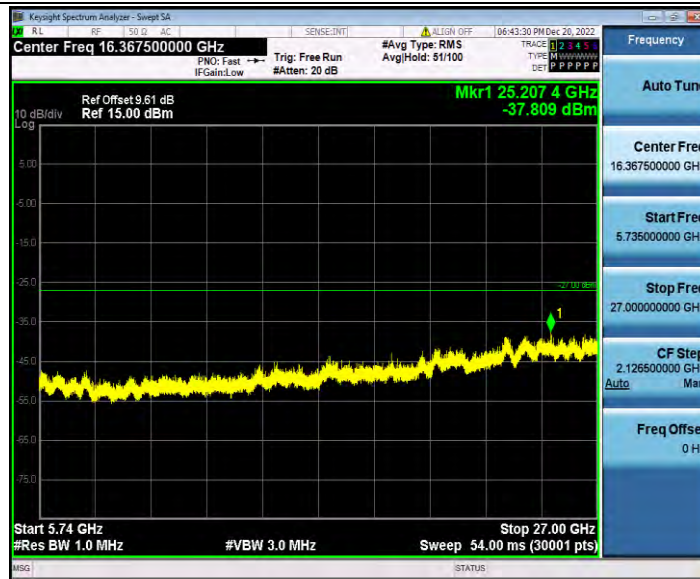
11A_Ant1_5700_5735~40000



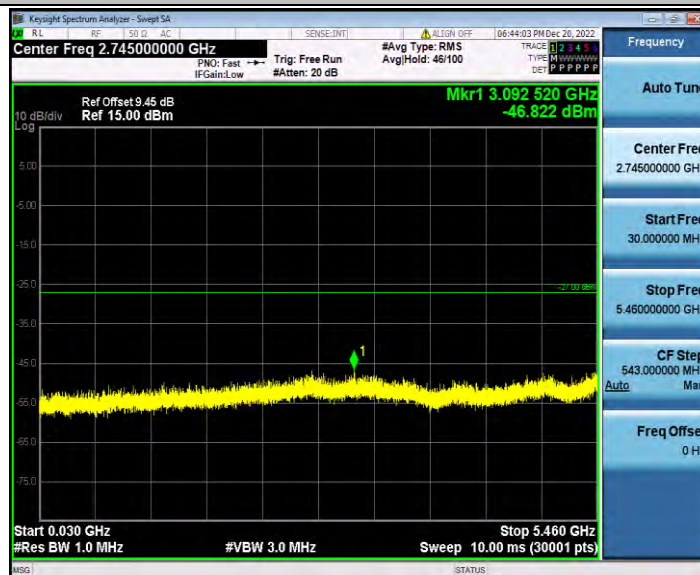
11N20SISO_Ant1_5500_30~5460



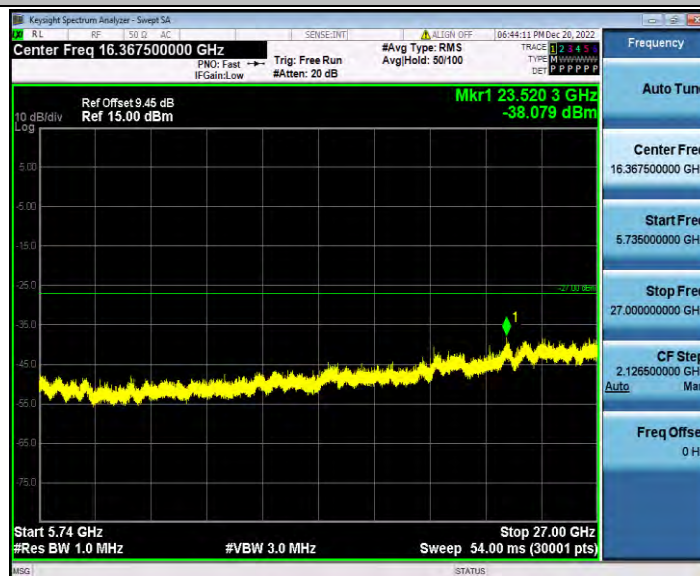
11N20SISO_Ant1_5500_5735~40000



11N20SISO_Ant1_5600_30~5460



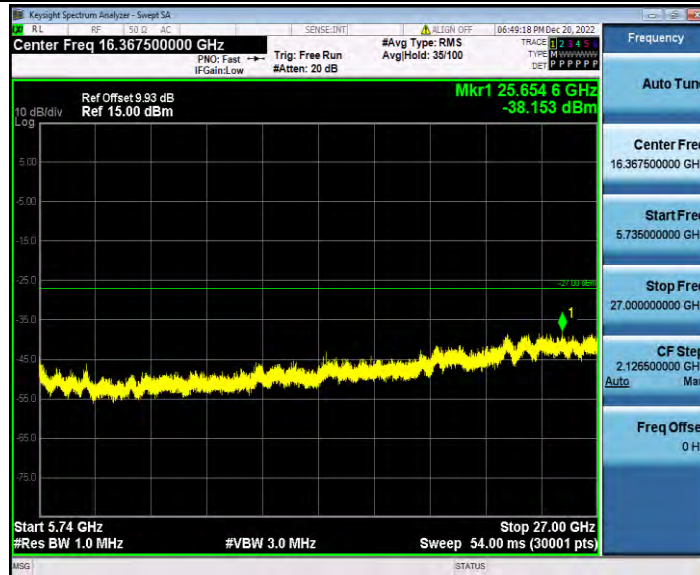
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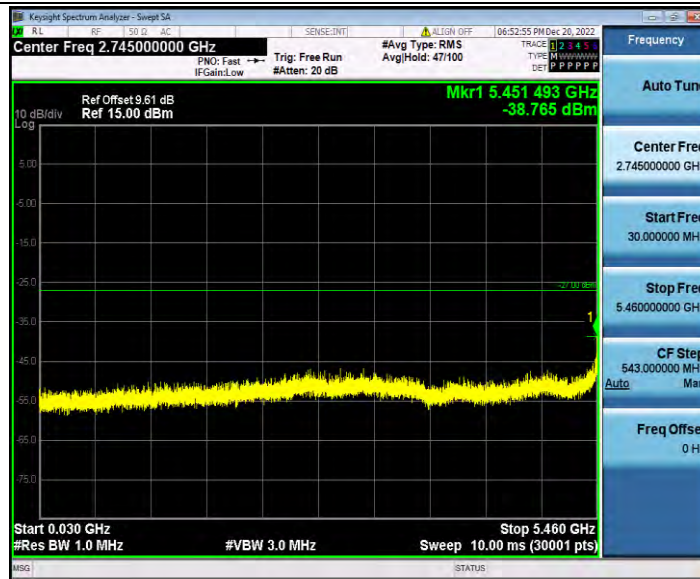
11N20SISO_Ant1_5700_30~5460



11N20SISO_Ant1_5700_5735~40000



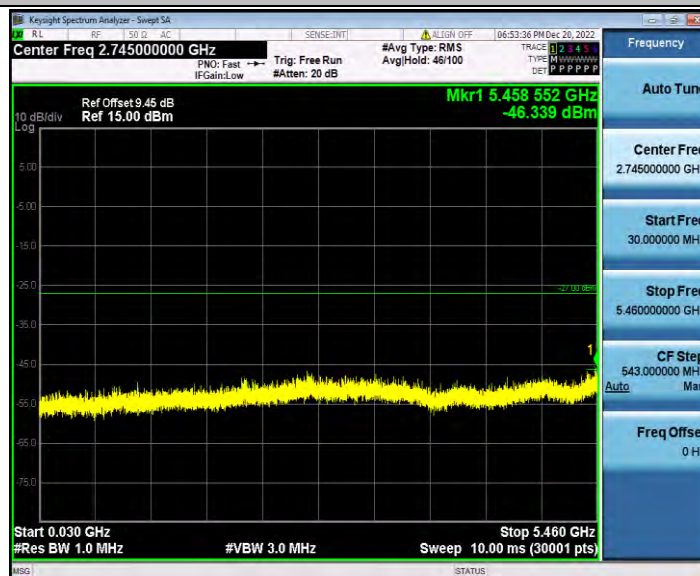
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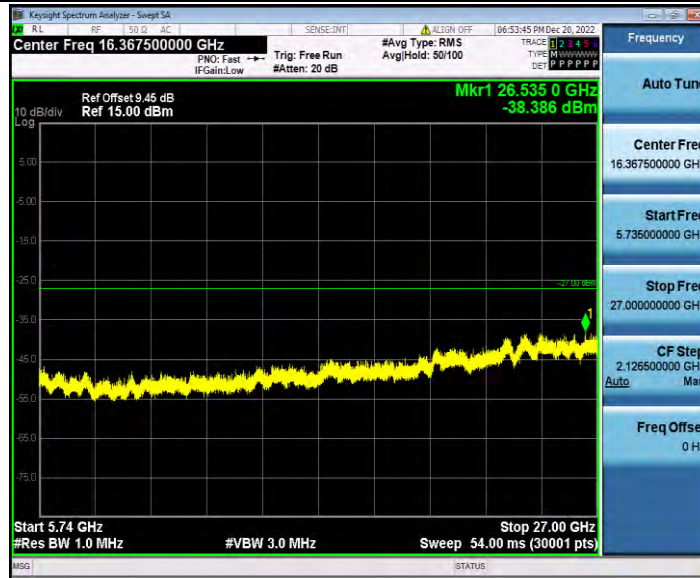
11N40SISO_Ant1_5510_5735~40000



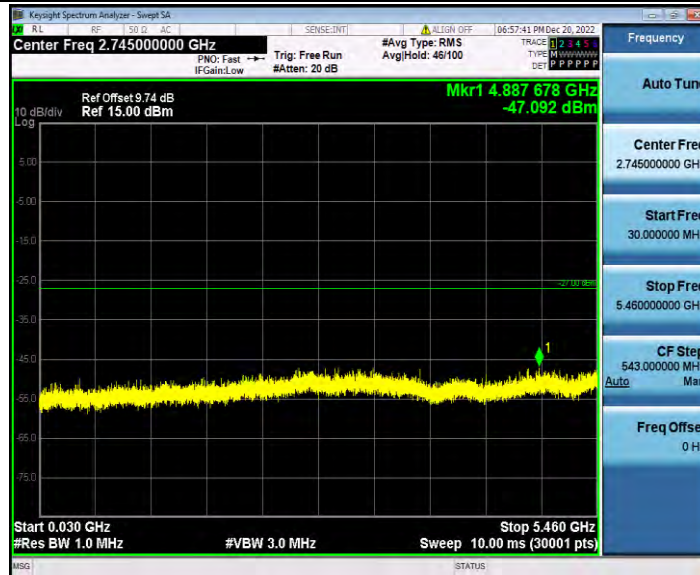
11N40SISO_Ant1_5590_30~5460



11N40SISO_Ant1_5590_5735~40000



11N40SISO_Ant1_5670_30~5460



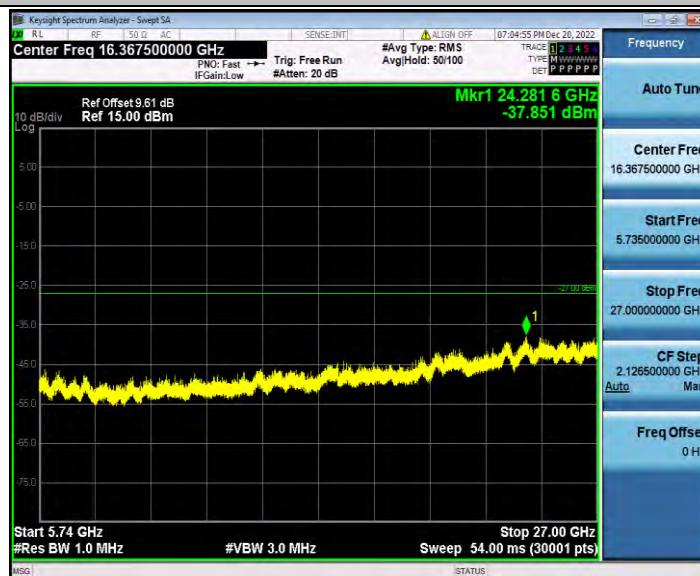
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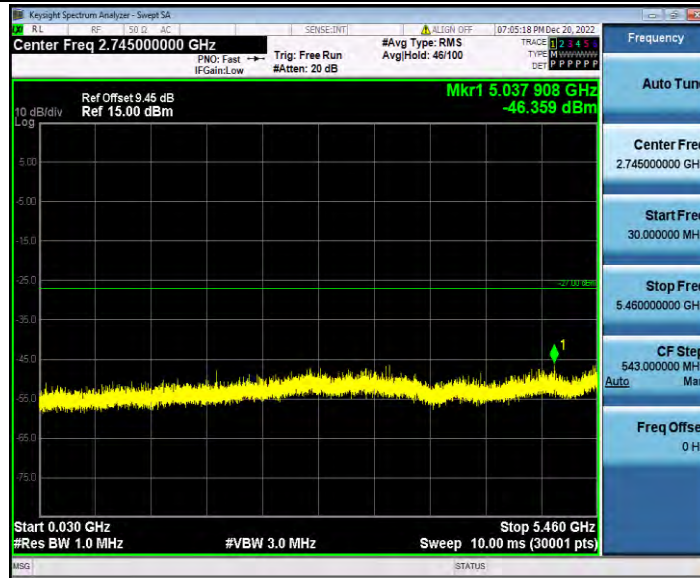
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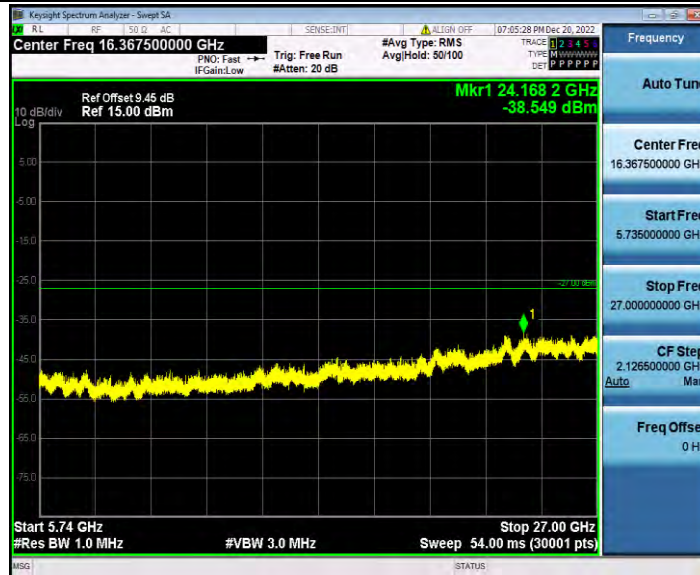
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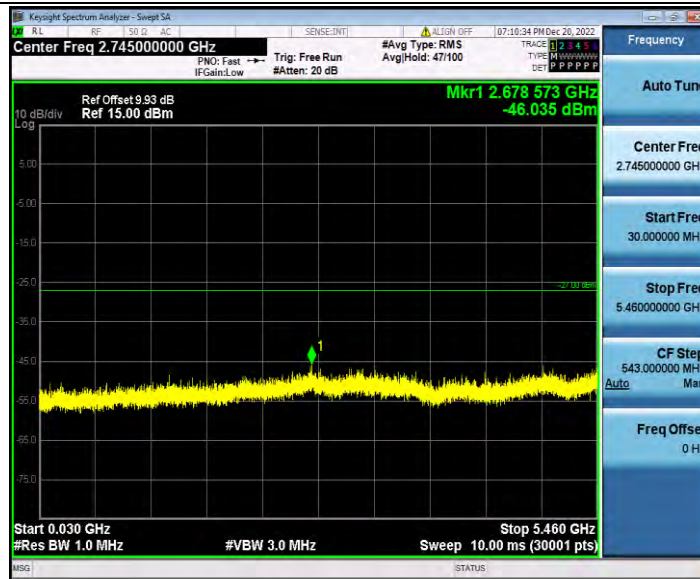
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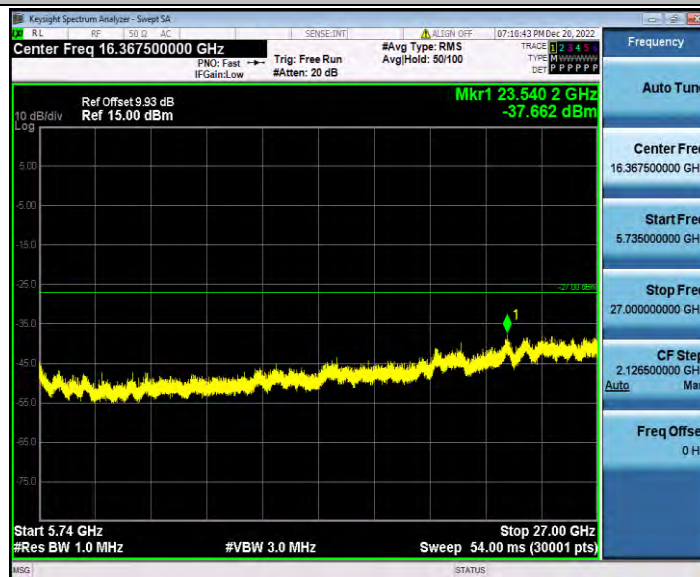
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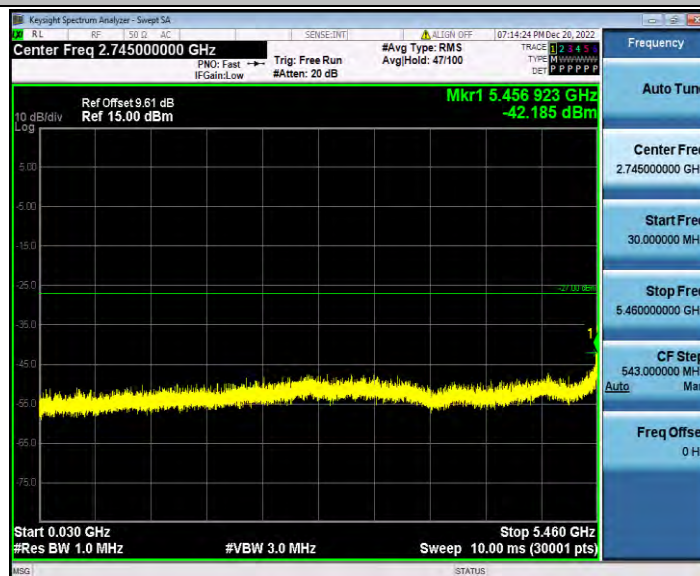
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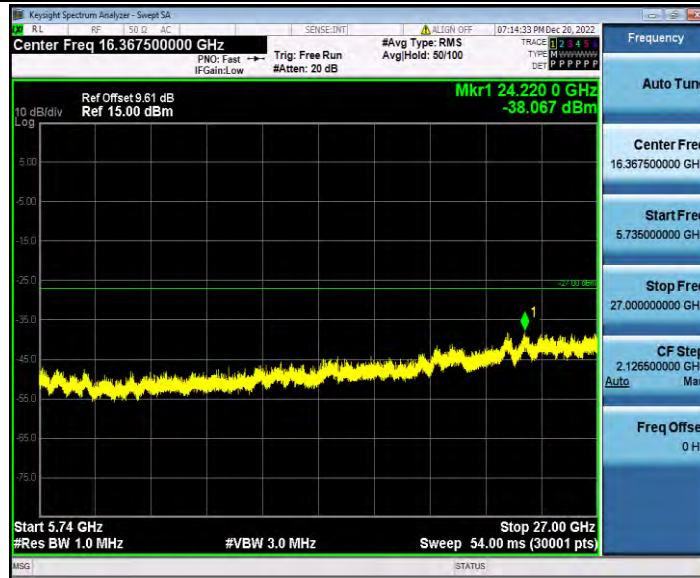
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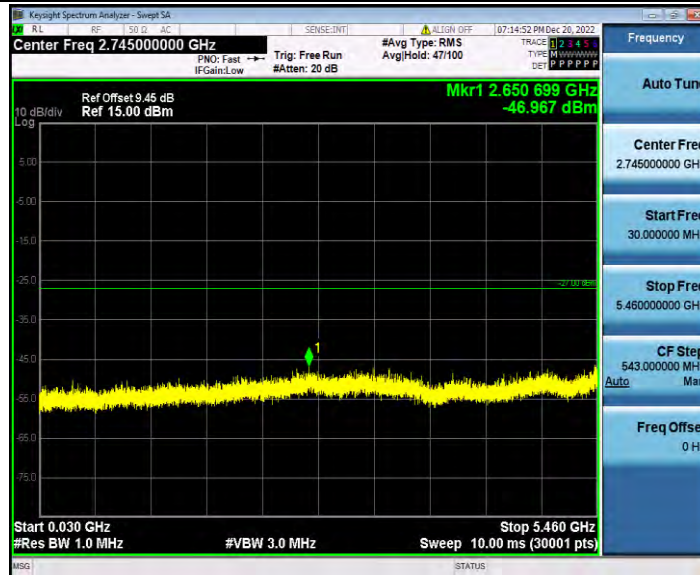
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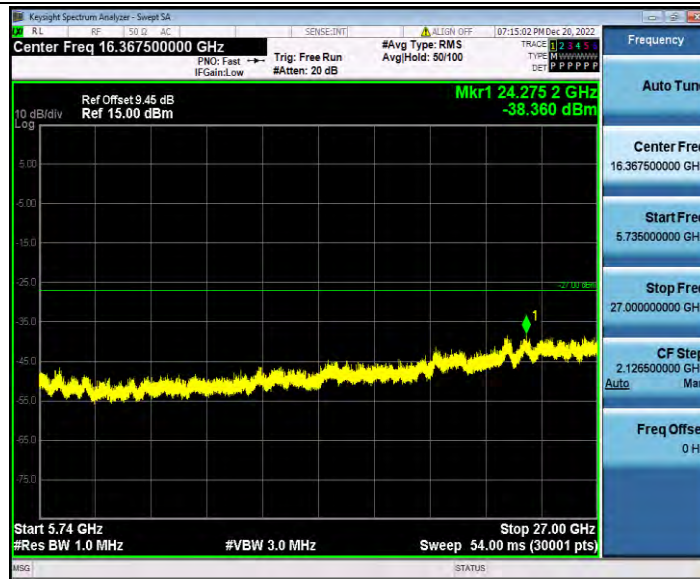
11AC40SISO_Ant1_5510_5735~40000



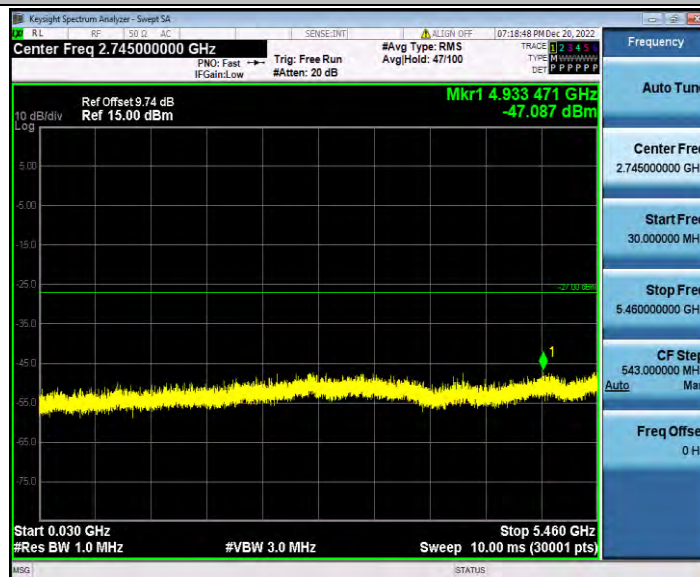
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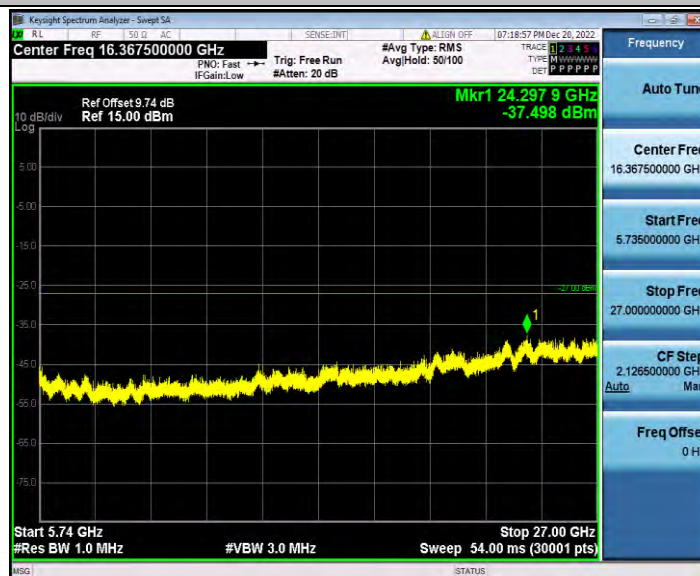
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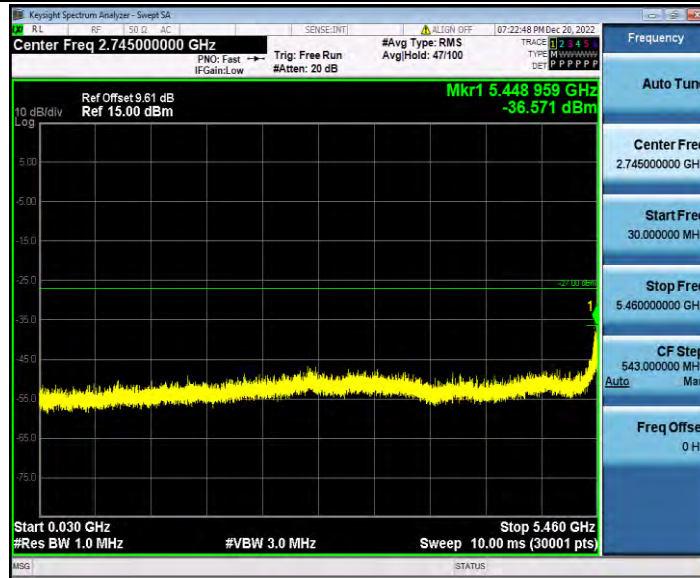
11AC40SISO_Ant1_5670_30~5460



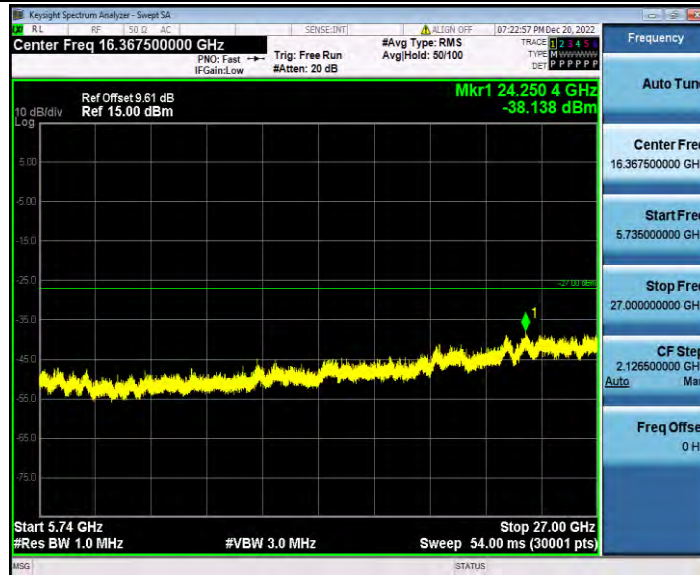
11AC40SISO_Ant1_5670_5735~40000



11AC80SISO_Ant1_5530_30~5460



11AC80SISO_Ant1_5530_5735~40000



11AC80SISO_Ant1_5610_30~5460



11AC80SISO_Ant1_5610_5735~40000

