

Case No. : GTS20211218008-1-36	
Ambient Condition: 26 °C, 49 %RH, Atmos100.1Kpa	
Test Date: 2022.8.4	Test Engineer: Jenny zeng

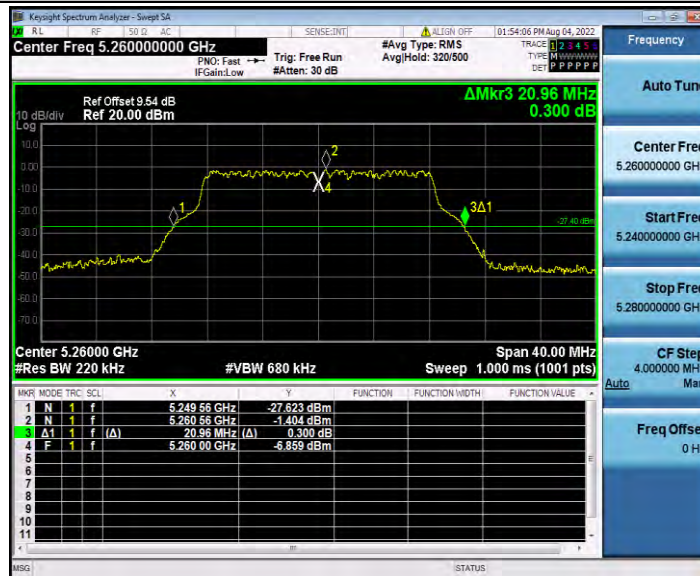
Appendix E.1: Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	20.960	5249.560	5270.520	---	---
		5280	20.920	5269.520	5290.440	---	---
		5320	20.920	5309.560	5330.480	---	---
11N20SISO	Ant1	5260	21.360	5249.440	5270.800	---	---
		5280	21.480	5269.280	5290.760	---	---
		5320	21.360	5309.360	5330.720	---	---
11N40SISO	Ant1	5270	39.520	5250.240	5289.760	---	---
		5310	39.440	5290.400	5329.840	---	---
11AC20SISO	Ant1	5260	21.400	5249.200	5270.600	---	---
		5280	21.520	5269.200	5290.720	---	---
		5320	21.280	5309.320	5330.600	---	---
11AC40SISO	Ant1	5270	40.400	5249.760	5290.160	---	---
		5310	40.240	5289.840	5330.080	---	---
11AC80SISO	Ant1	5290	81.280	5249.680	5330.960	---	---

Test Graphs

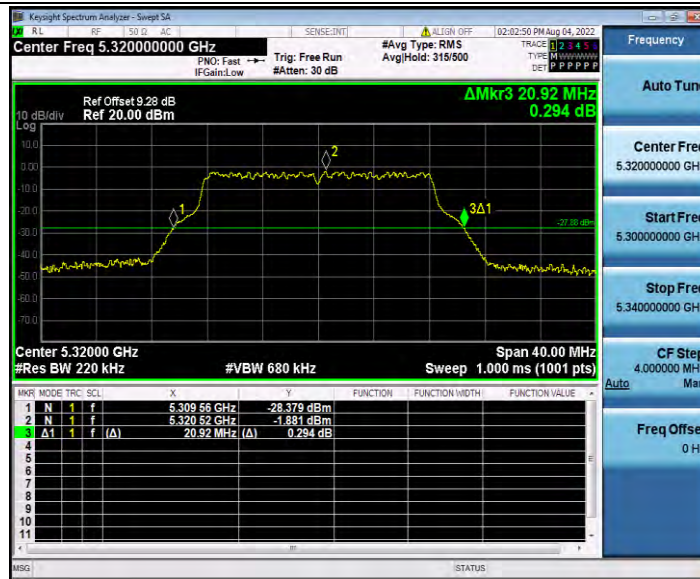
11A_Ant1_5260



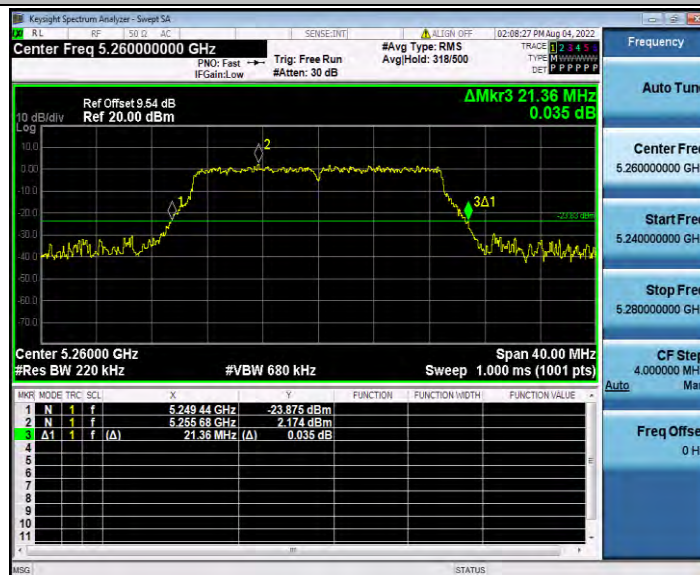
11A_Ant1_5280



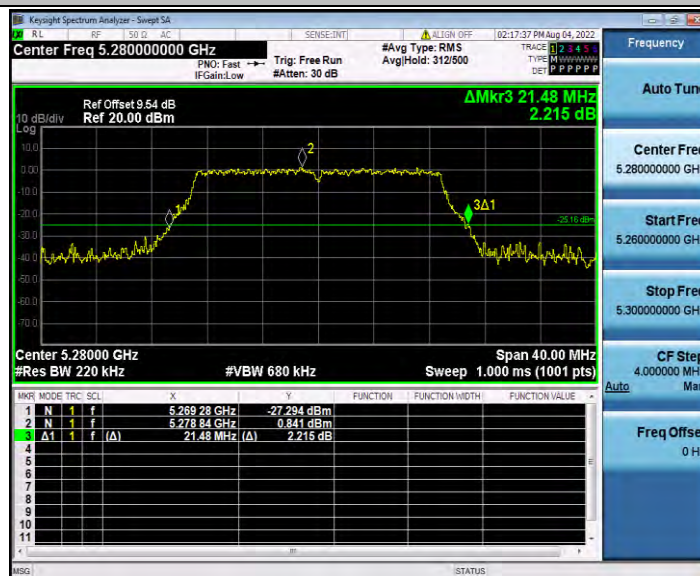
11A_Ant1_5320

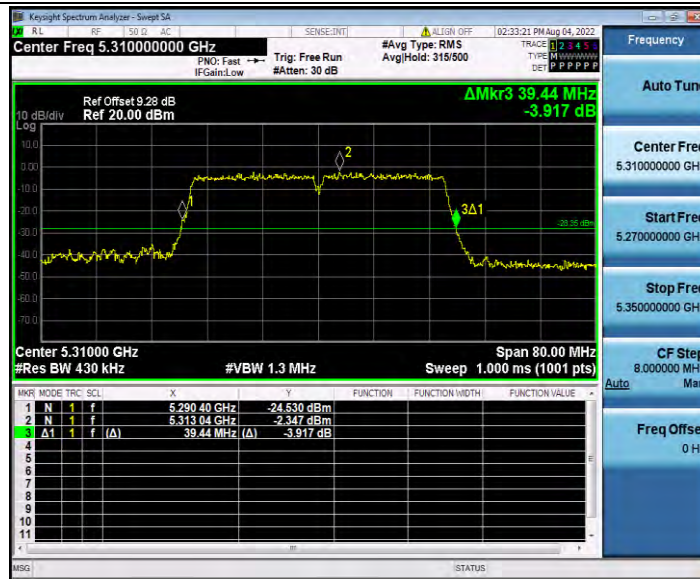


11N20SISO_Ant1_5260



11N20SISO_Ant1_5280

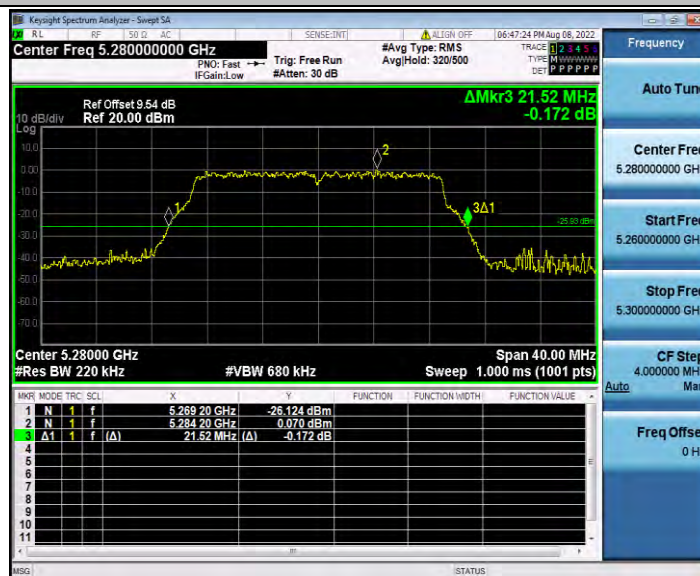




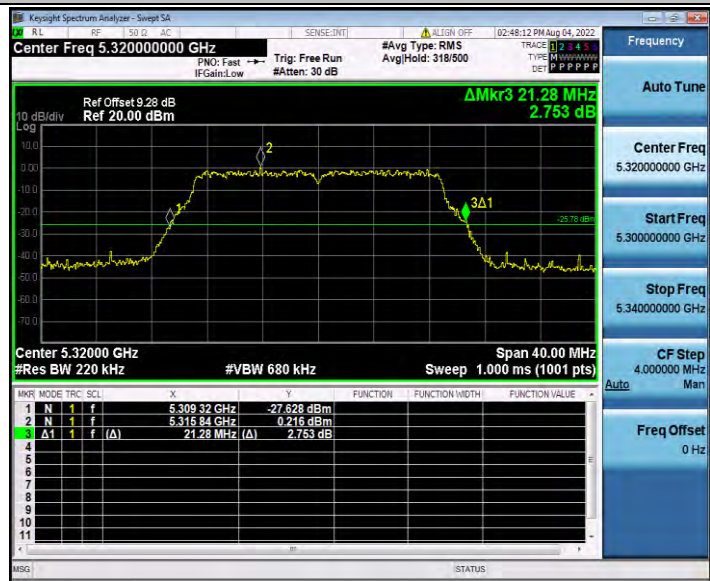
11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



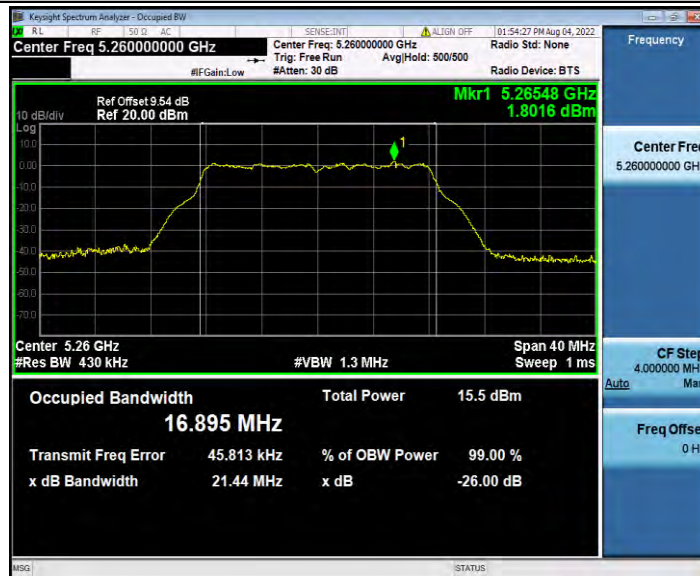
Appendix E.2: Occupied channel bandwidth

Test Result

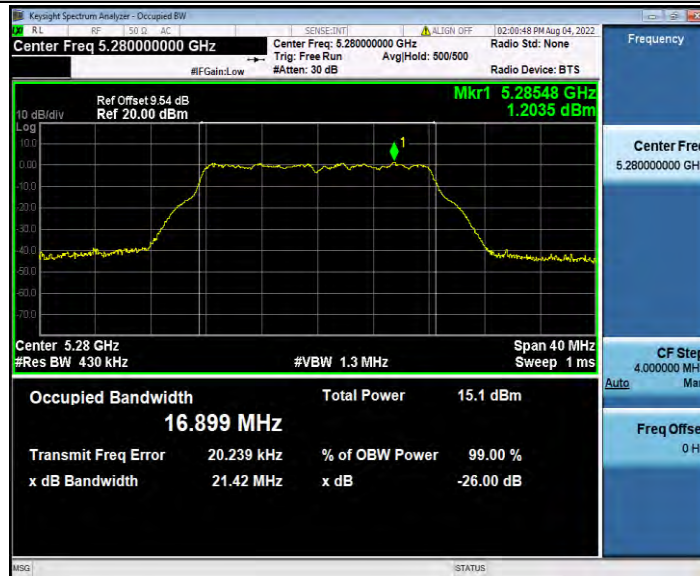
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	16.895	5251.598	5268.493	---	---
		5280	16.899	5271.571	5288.470	---	---
		5320	16.907	5311.586	5328.493	---	---
11N20SISO	Ant1	5260	18.170	5250.908	5269.078	---	---
		5280	18.186	5270.879	5289.065	---	---
		5320	18.221	5310.892	5329.113	---	---
11N40SISO	Ant1	5270	36.498	5251.768	5288.266	---	---
		5310	36.538	5291.752	5328.290	---	---
11AC20SISO	Ant1	5260	18.318	5250.789	5269.107	---	---
		5280	9.5185	5275.184	5284.703	---	---
		5320	18.267	5310.812	5329.079	---	---
11AC40SISO	Ant1	5270	36.801	5251.542	5288.343	---	---
		5310	36.810	5291.583	5328.393	---	---
11AC80SISO	Ant1	5290	75.879	5252.158	5328.037	---	---

Test Graphs

11A_Ant1_5260



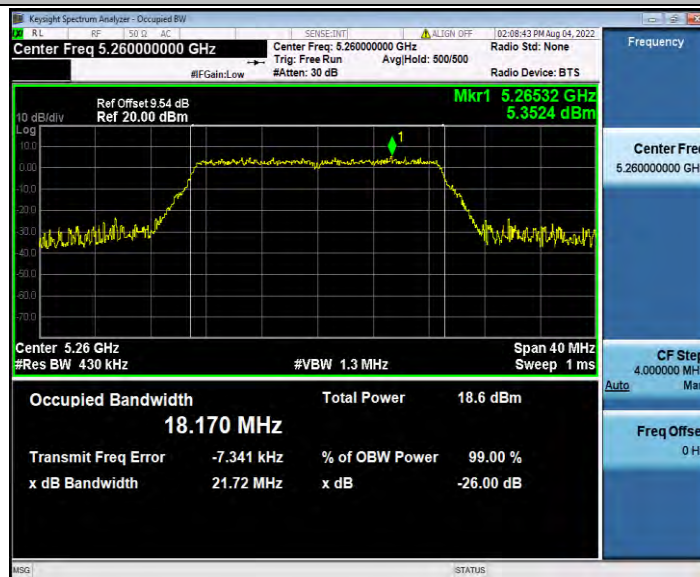
11A_Ant1_5280



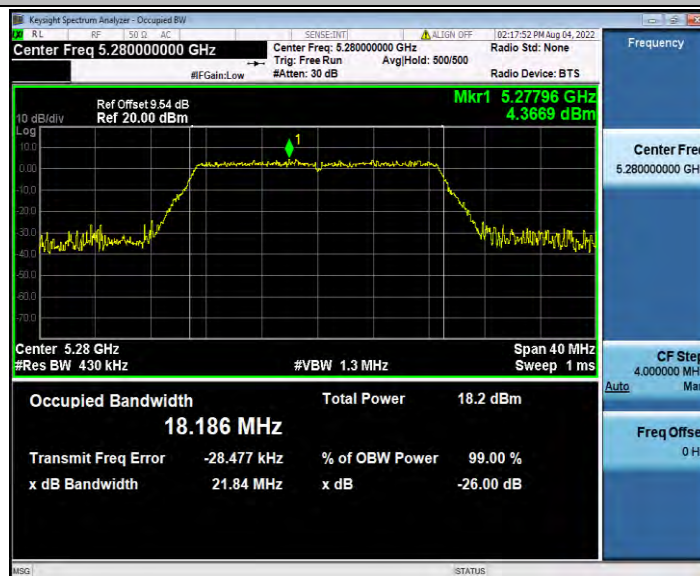
11A_Ant1_5320



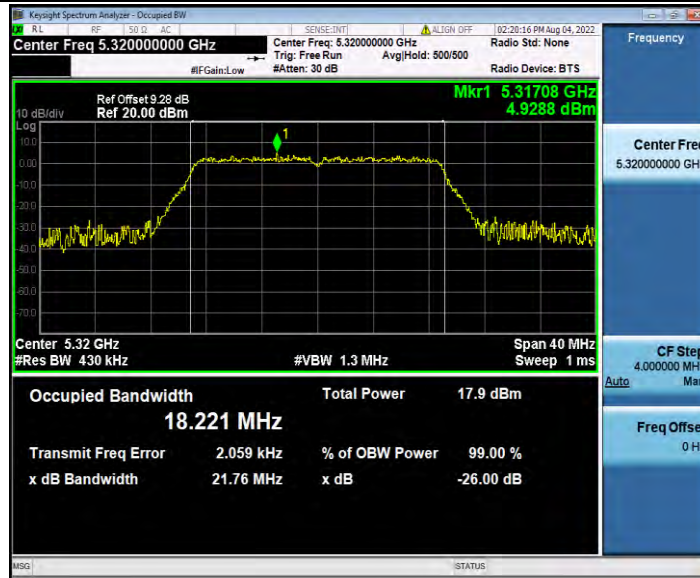
11N20SISO_Ant1_5260



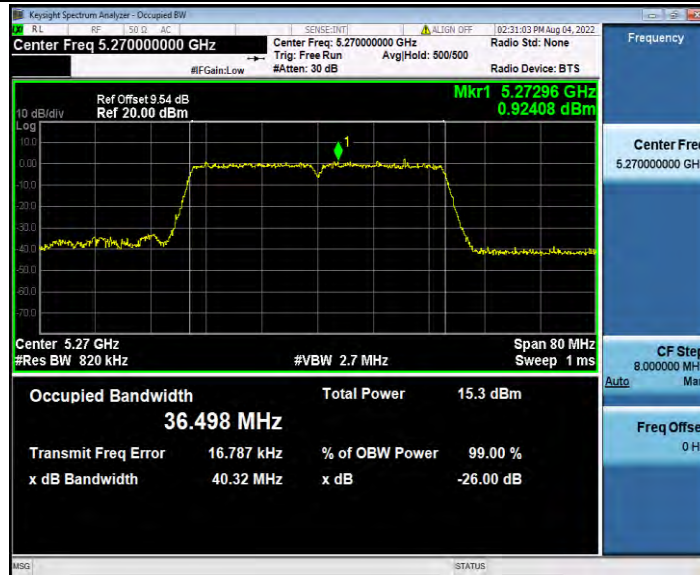
11N20SISO_Ant1_5280



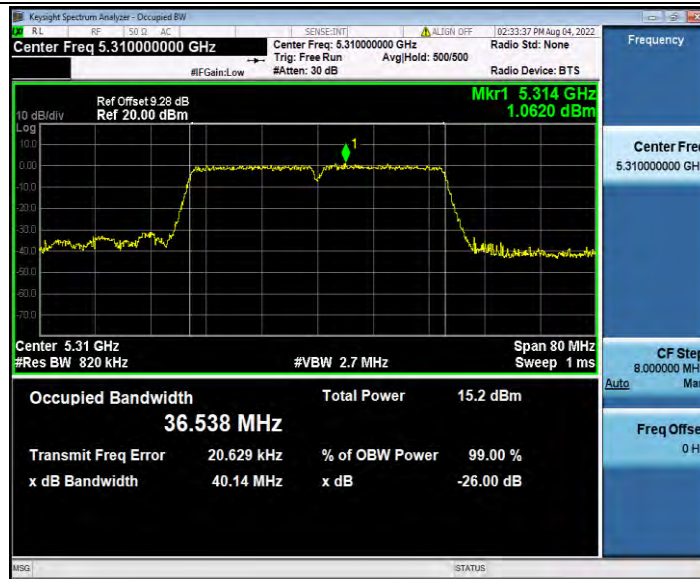
11N20SISO_Ant1_5320



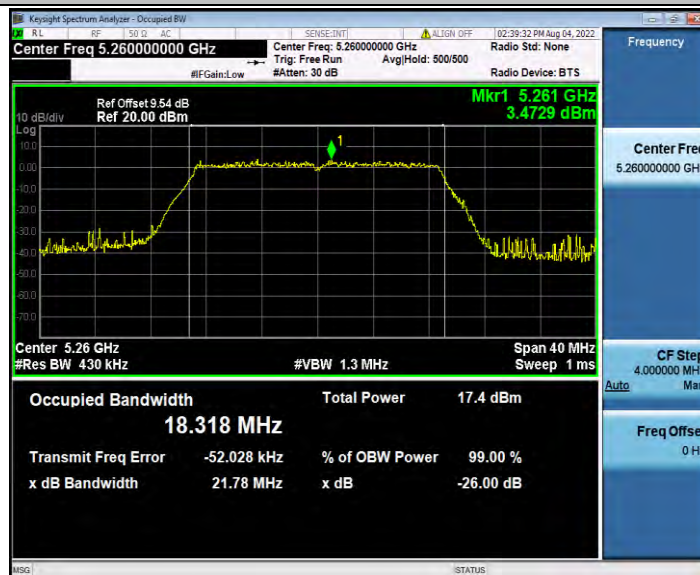
11N40SISO_Ant1_5270



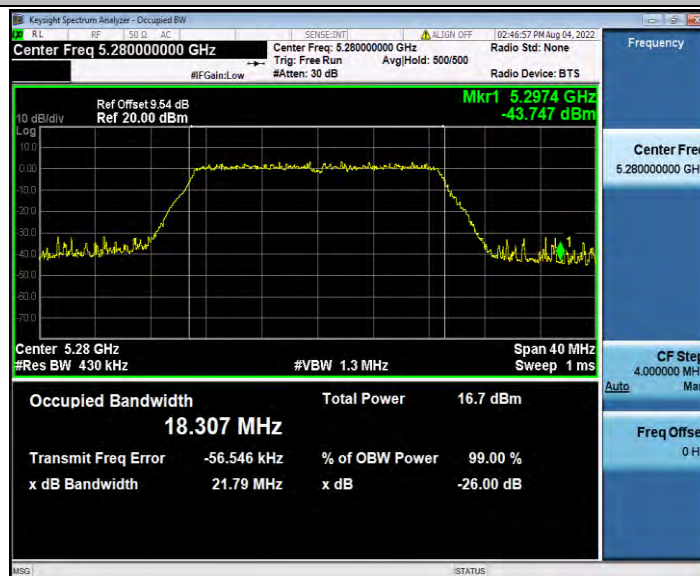
11N40SISO_Ant1_5310



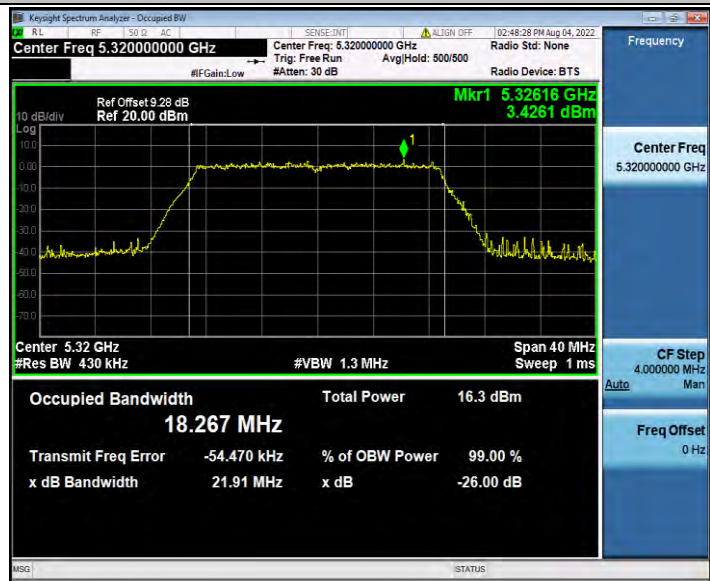
11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



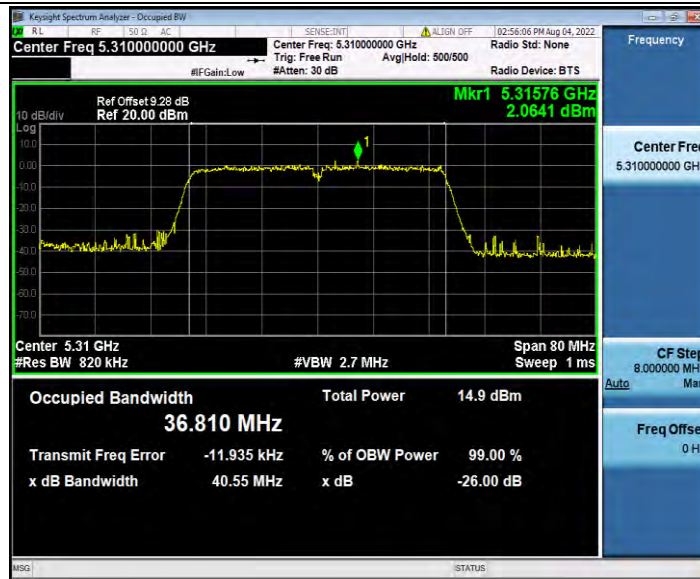
11AC20SISO_Ant1_5320



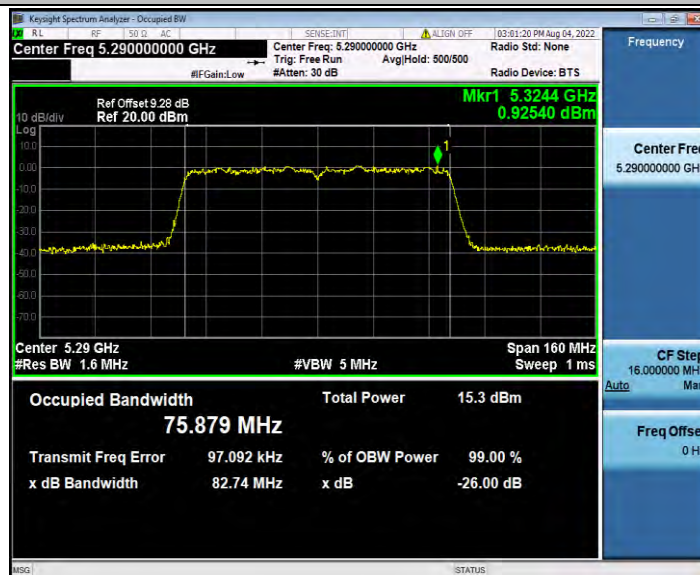
11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



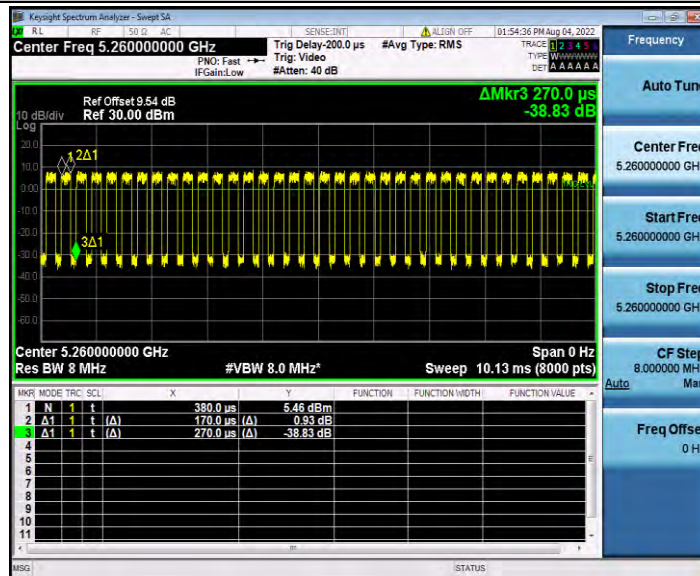
Appendix E.3: Duty Cycle

Test Result

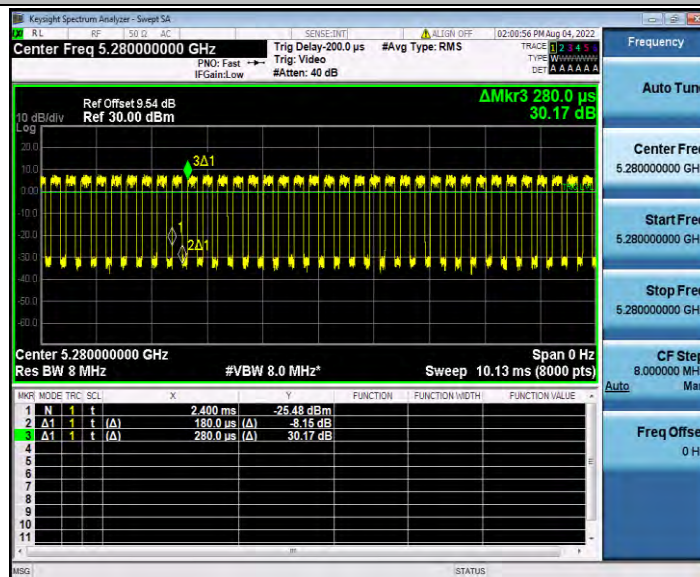
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5260	0.17	0.27	62.96
		5280	0.18	0.28	64.29
		5320	0.17	0.28	60.71
11N20SISO	Ant1	5260	0.17	0.27	62.96
		5280	0.16	0.26	61.54
		5320	0.16	0.26	61.54
11N40SISO	Ant1	5270	0.10	0.20	50.00
		5310	0.10	0.20	50.00
11AC20SISO	Ant1	5260	0.15	0.25	60.00
		5280	0.15	0.25	60.00
		5320	0.15	0.25	60.00
11AC40SISO	Ant1	5270	0.09	0.19	47.37
		5310	0.09	0.19	47.37
11AC80SISO	Ant1	5290	0.06	0.16	37.50

Test Graphs

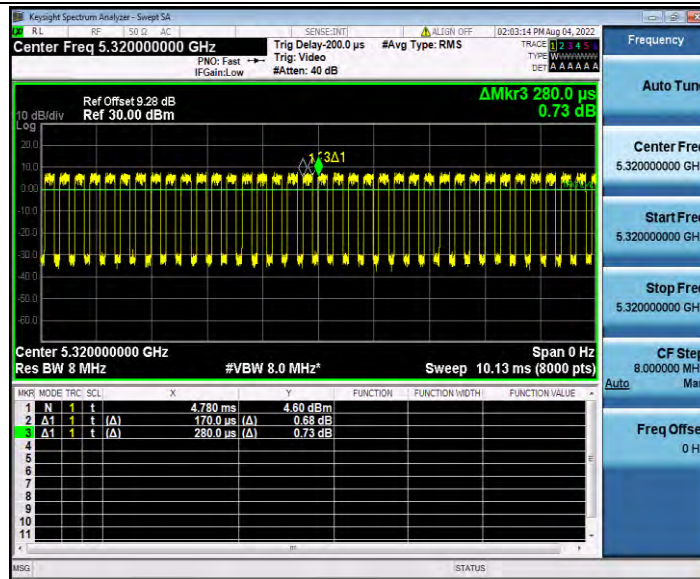
11A_Ant1_5260



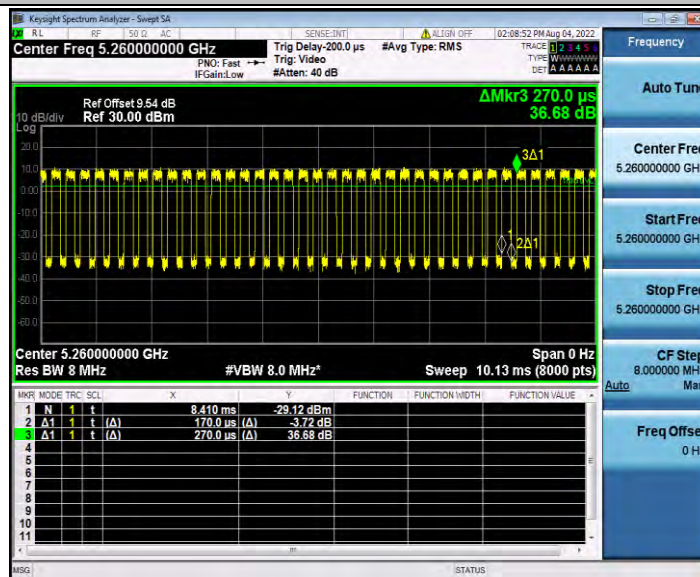
11A_Ant1_5280



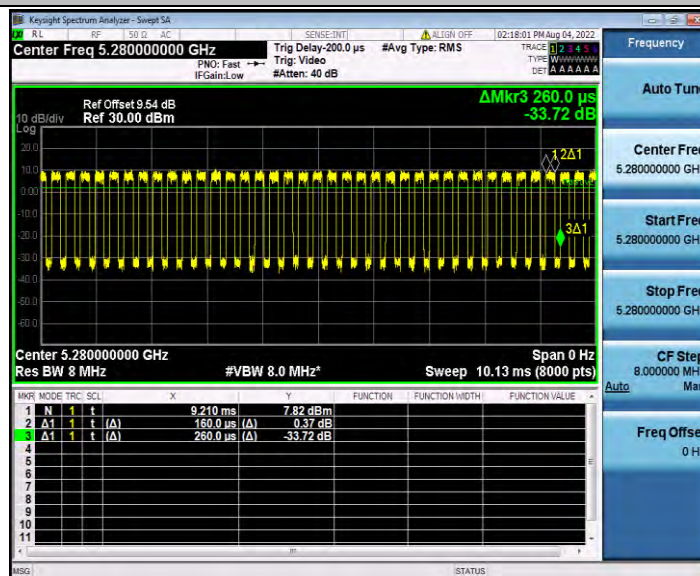
11A_Ant1_5320

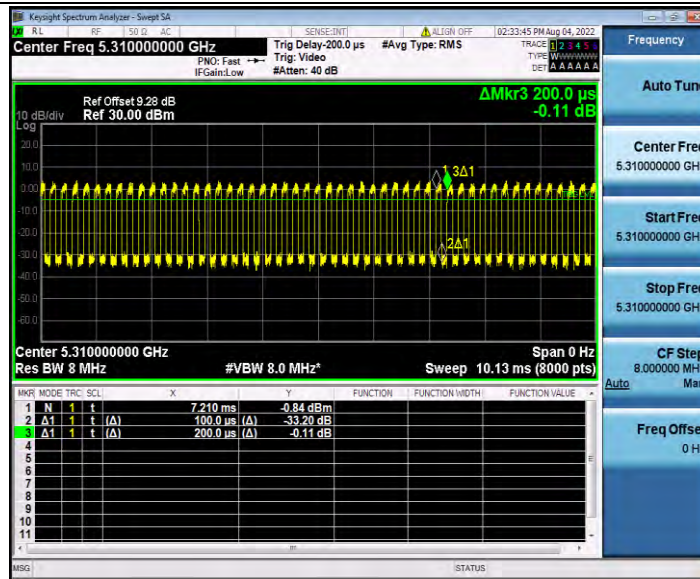


11N20SISO_Ant1_5260

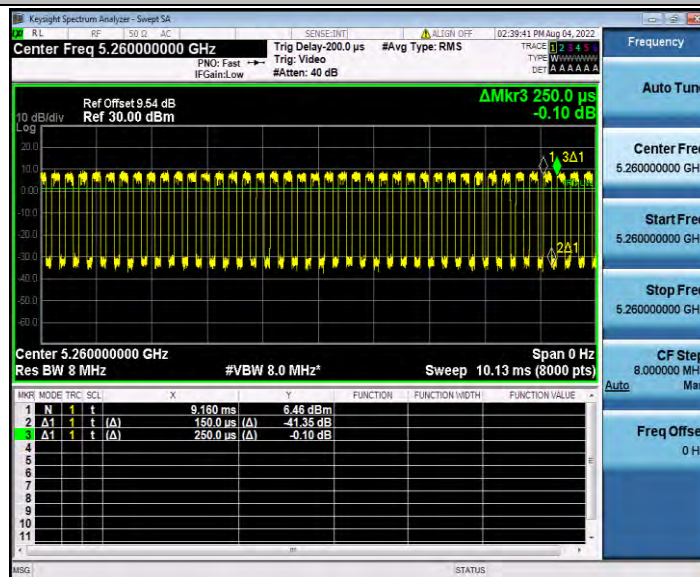


11N20SISO_Ant1_5280

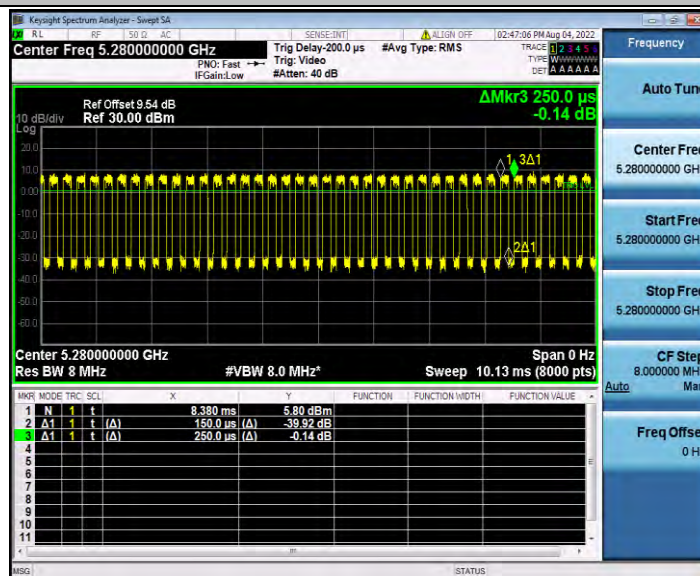




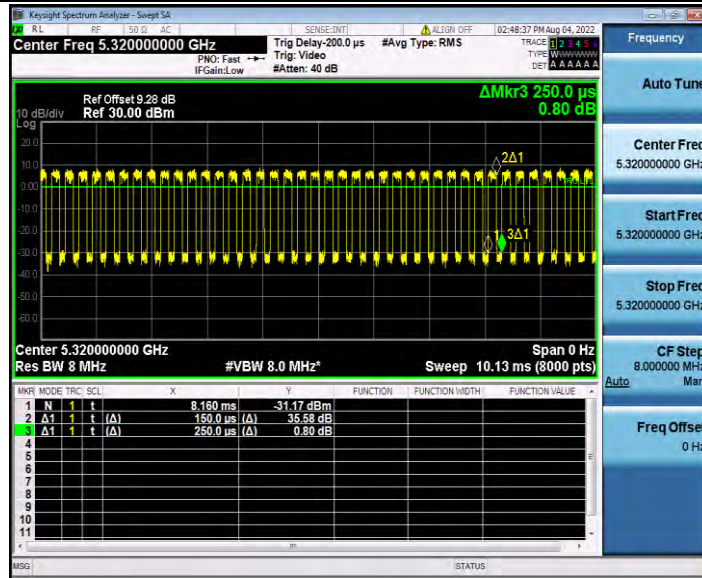
11AC20SISO_Ant1_5260



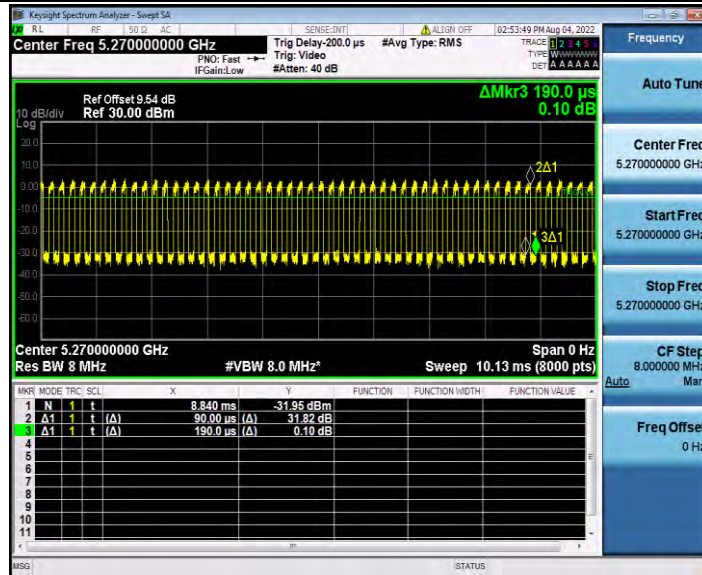
11AC20SISO_Ant1_5280



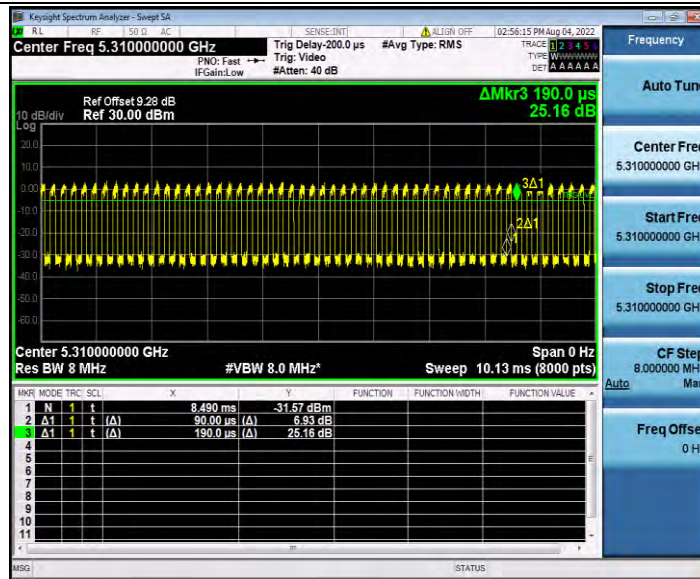
11AC20SISO_Ant1_5320



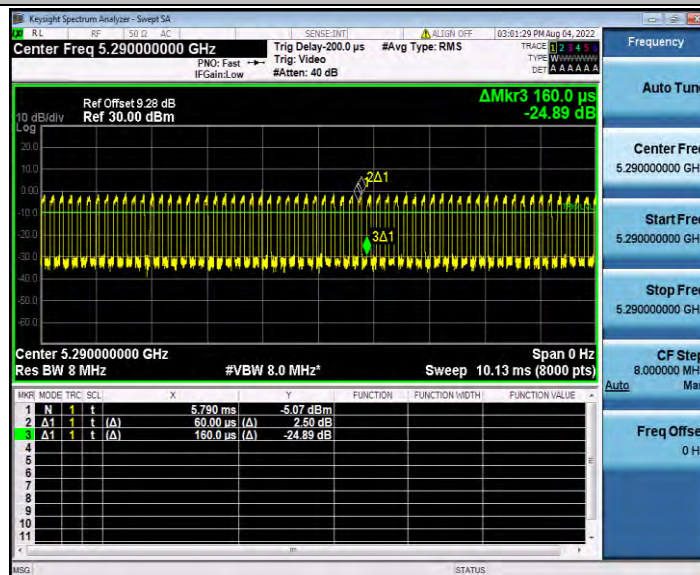
11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



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	5260	8.87	62.96	2.01	10.88	≤23.98	PASS
		5280	8.48	64.29	1.92	10.40	≤23.98	PASS
		5320	8.28	60.71	2.17	10.45	≤23.98	PASS
11N20SISO	Ant1	5260	9.31	62.96	2.01	11.32	≤23.98	PASS
		5280	8.87	61.54	2.11	10.98	≤23.98	PASS
		5320	8.66	61.54	2.11	10.77	≤23.98	PASS
11N40SISO	Ant1	5270	7.59	50.00	3.01	10.60	≤23.98	PASS
		5310	7.60	50.00	3.01	10.61	≤23.98	PASS
11AC20SISO	Ant1	5260	7.99	60.00	2.22	10.21	≤23.98	PASS
		5280	7.42	60.00	2.22	9.66	≤23.98	PASS
		5320	6.96	60.00	2.22	9.18	≤23.98	PASS
11AC40SISO	Ant1	5270	6.32	47.37	3.24	9.56	≤23.98	PASS
		5310	6.03	47.37	3.24	9.27	≤23.98	PASS
11AC80SISO	Ant1	5290	5.01	37.50	4.26	9.27	≤23.98	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	5260	5.53	≤11.00	PASS
		5280	4.96	≤11.00	PASS
		5320	5.40	≤11.00	PASS
11N20SISO	Ant1	5260	7.95	≤11.00	PASS
		5280	8.05	≤11.00	PASS
		5320	7.32	≤11.00	PASS
11N40SISO	Ant1	5270	2.11	≤11.00	PASS
		5310	2.58	≤11.00	PASS
11AC20SISO	Ant1	5260	6.97	≤11.00	PASS
		5280	6.33	≤11.00	PASS
		5320	6.67	≤11.00	PASS
11AC40SISO	Ant1	5270	2.26	≤11.00	PASS
		5310	2.31	≤11.00	PASS
11AC80SISO	Ant1	5290	-0.38	≤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_5260



11A_Ant1_5280



11A_Ant1_5320



11N20SISO_Ant1_5260



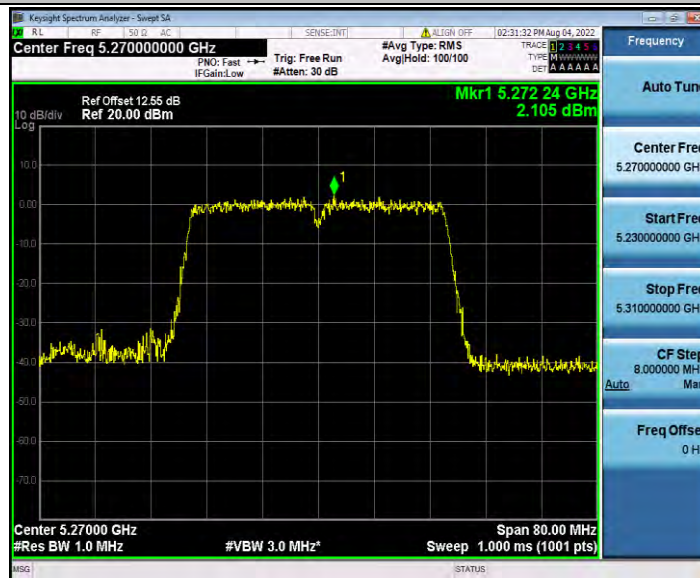
11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



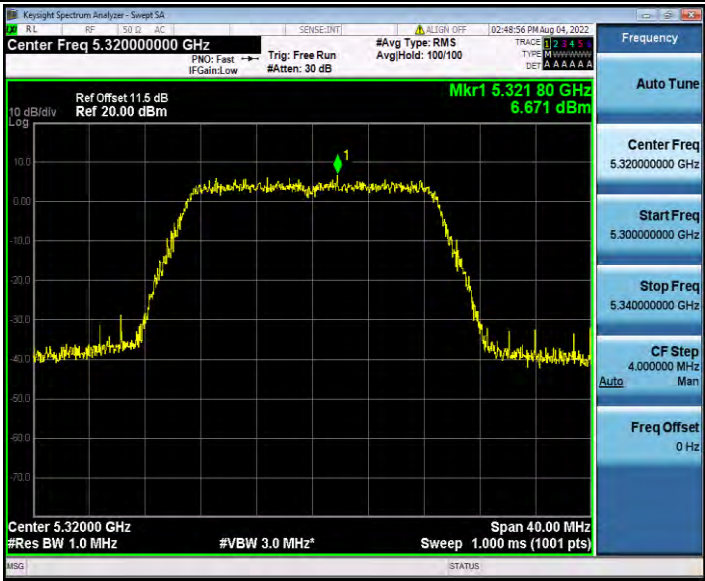
11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



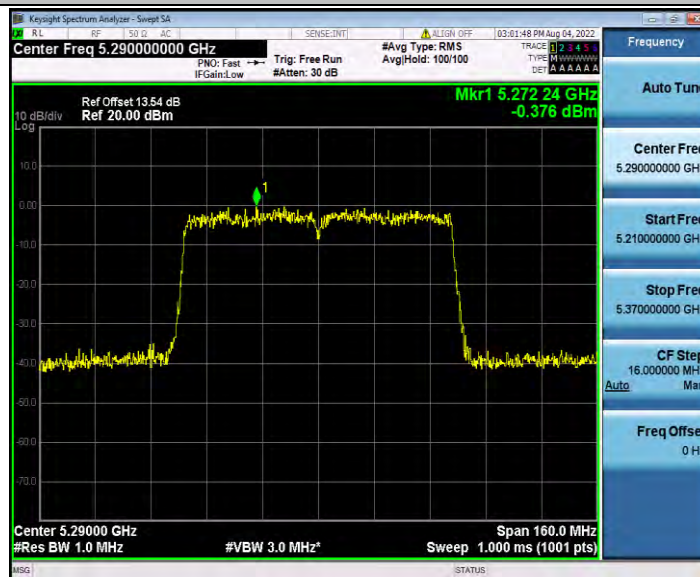
11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



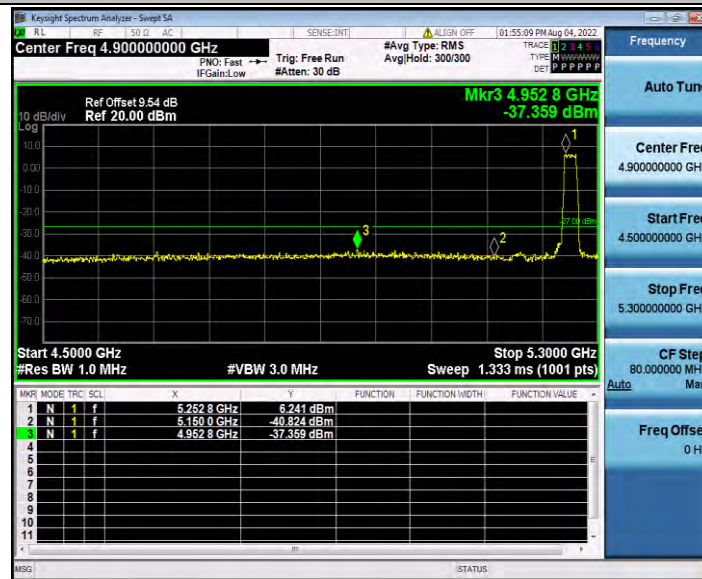
Appendix E.6: Band edge measurements

Test Result B2

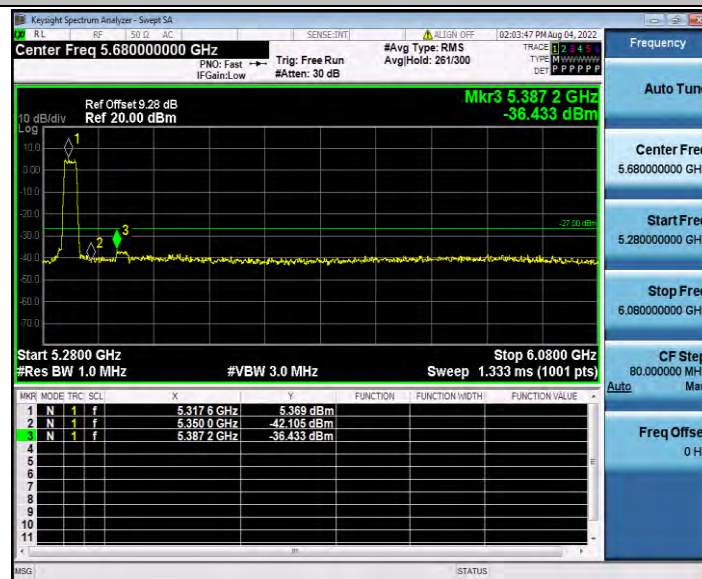
TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5260	-37.36	≤-27	PASS
		High	5320	-36.43	≤-27	PASS
11N20SISO	Ant1	Low	5260	-37.34	≤-27	PASS
		High	5320	-32.18	≤-27	PASS
11N40SISO	Ant1	Low	5270	-37.98	≤-27	PASS
		High	5310	-37.57	≤-27	PASS
11AC20SISO	Ant1	Low	5260	-37.94	≤-27	PASS
		High	5320	-36.32	≤-27	PASS
11AC40SISO	Ant1	Low	5270	-36.96	≤-27	PASS
		High	5310	-37.78	≤-27	PASS
11AC80SISO	Ant1	Low	5290	-37.49	≤-27	PASS
		High	5290	-40.46	≤-27	PASS

Test Graphs B2

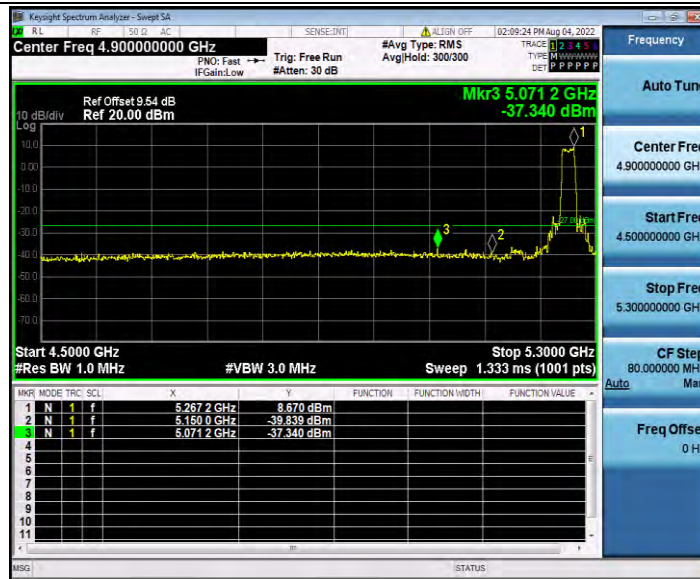
11A_Ant1_Low_5260



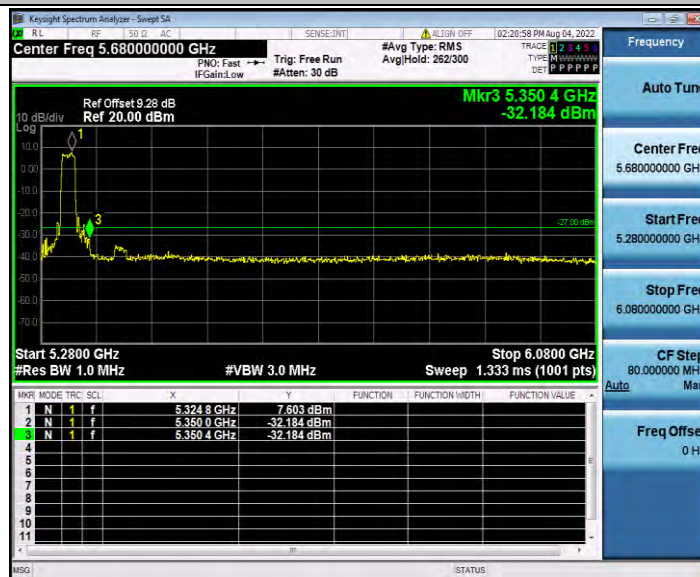
11A_Ant1_High_5320



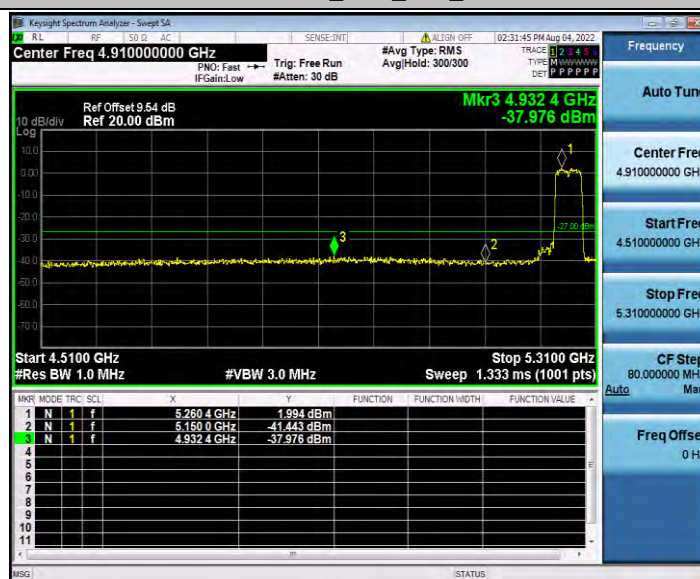
11N20SISO_Ant1_Low_5260



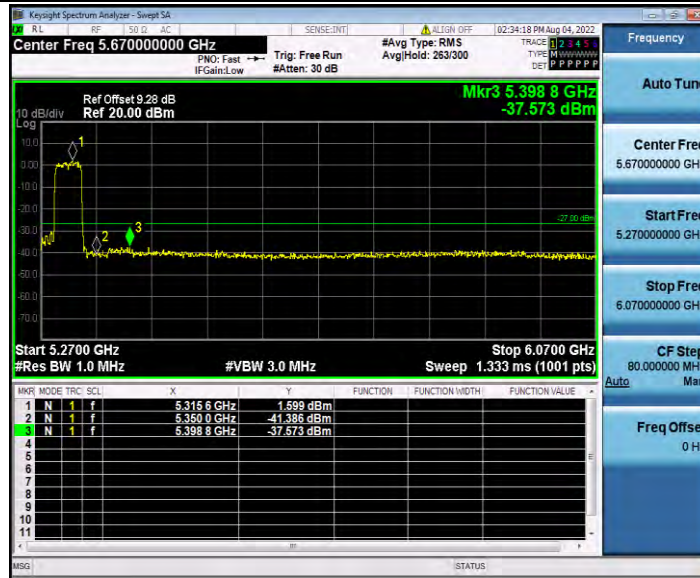
11N20SISO_Ant1_High_5320



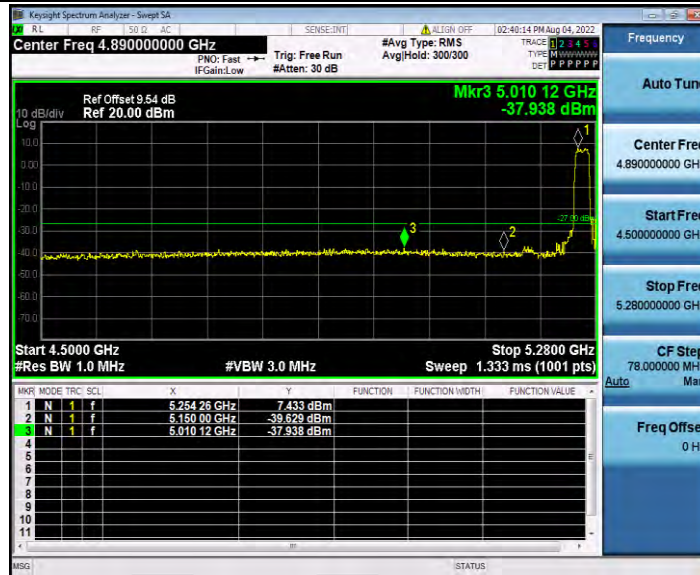
11N40SISO_Ant1_Low_5270



11N40SISO_Ant1_High_5310



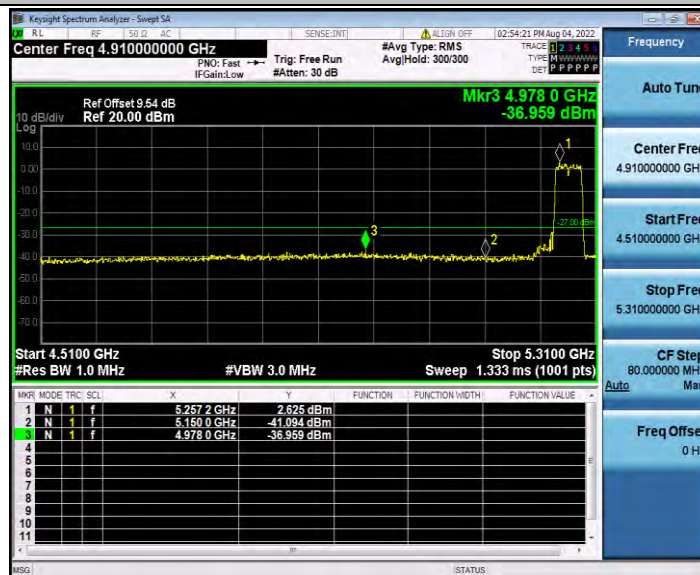
11AC20SISO_Ant1_Low_5260



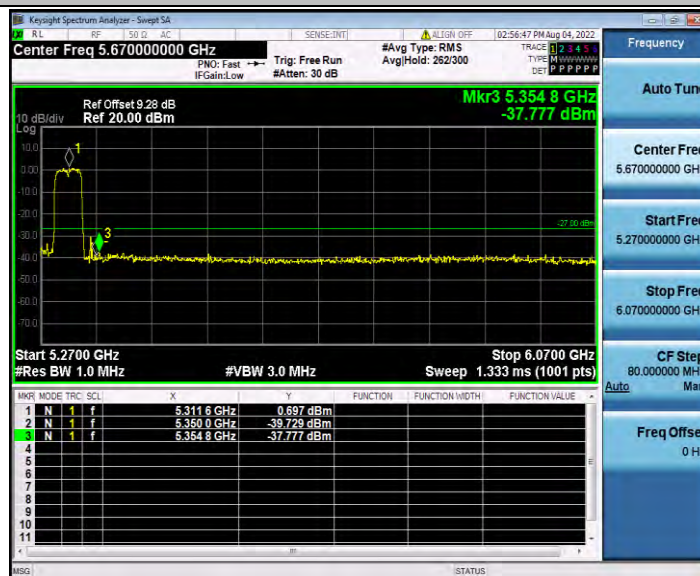
11AC20SISO_Ant1_High_5320



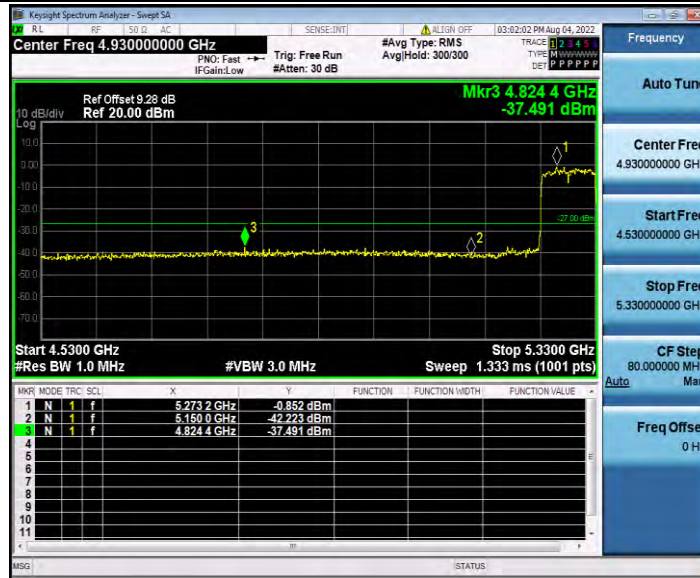
11AC40SISO_Ant1_Low_5270



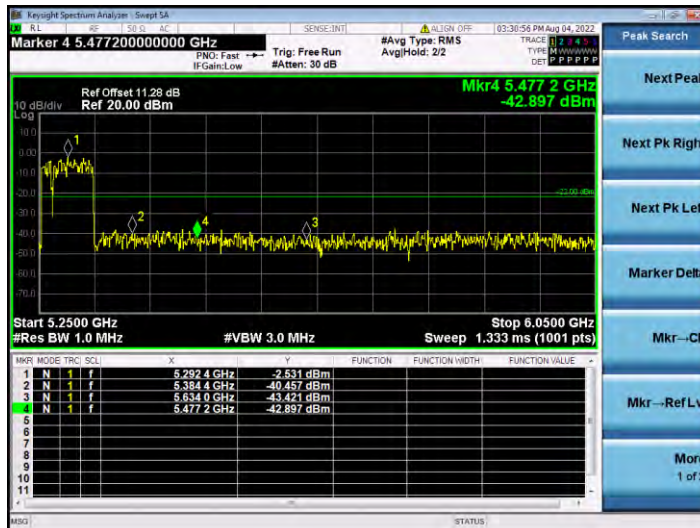
11AC40SISO_Ant1_High_5310



11AC80SISO_Ant1_Low_5290



11AC80SISO_Ant1_High_5290



Appendix E.7: Conducted Spurious Emission

Test Result

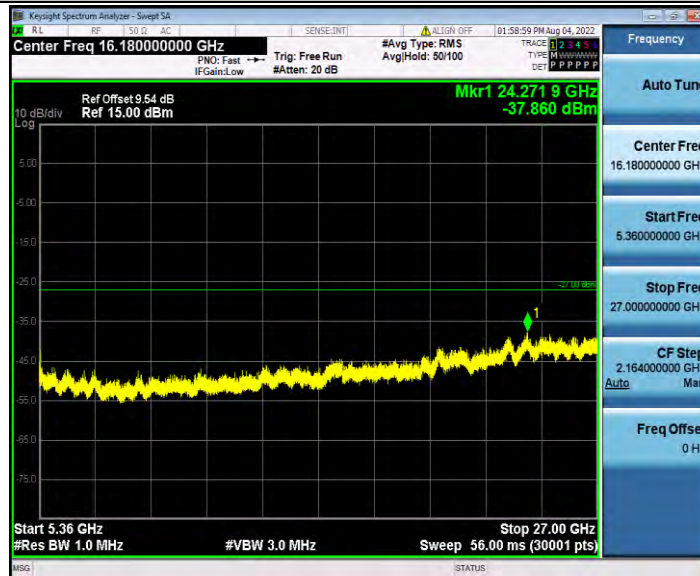
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5260	30~5140	4964.22	-46.45	≤-27	PASS
			5360~40000	24271.92	-37.86	≤-27	PASS
		5280	30~5140	2646.15	-46.93	≤-27	PASS
			5360~40000	24222.15	-38.1	≤-27	PASS
		5320	30~5140	3194.79	-47.38	≤-27	PASS
			5360~40000	26544.84	-37.98	≤-27	PASS
11N20SISO	Ant1	5260	30~5140	5050.58	-47.1	≤-27	PASS
			5360~40000	24200.51	-38.16	≤-27	PASS
		5280	30~5140	5016.68	-47.3	≤-27	PASS
			5360~40000	23552.75	-37.54	≤-27	PASS
		5320	30~5140	4934.92	-47.16	≤-27	PASS
			5360~40000	5398.95	-36.95	≤-27	PASS
11N40SISO	Ant1	5270	30~5140	2411.43	-46.97	≤-27	PASS
			5360~40000	24892.26	-37.91	≤-27	PASS
		5310	30~5140	2805.75	-47.43	≤-27	PASS
			5360~40000	23568.62	-38.38	≤-27	PASS
11AC20SISO	Ant1	5260	30~5140	833.29	-44.52	≤-27	PASS
			5360~40000	24269.75	-37.42	≤-27	PASS
		5280	30~5140	4924.53	-47.3	≤-27	PASS
			5360~40000	24825.9	-37.58	≤-27	PASS
		5320	30~5140	3532.39	-47.9	≤-27	PASS
			5360~40000	5392.46	-37.1	≤-27	PASS
11AC40SISO	Ant1	5270	30~5140	5001.01	-46.88	≤-27	PASS
			5360~40000	26738.88	-37.55	≤-27	PASS
		5310	30~5140	4986.53	-47.51	≤-27	PASS
			5360~40000	23616.95	-38.27	≤-27	PASS
11AC80SISO	Ant1	5290	30~5140	5000.84	-46.68	≤-27	PASS
			5360~40000	26503.72	-38.56	≤-27	PASS

Test Graphs

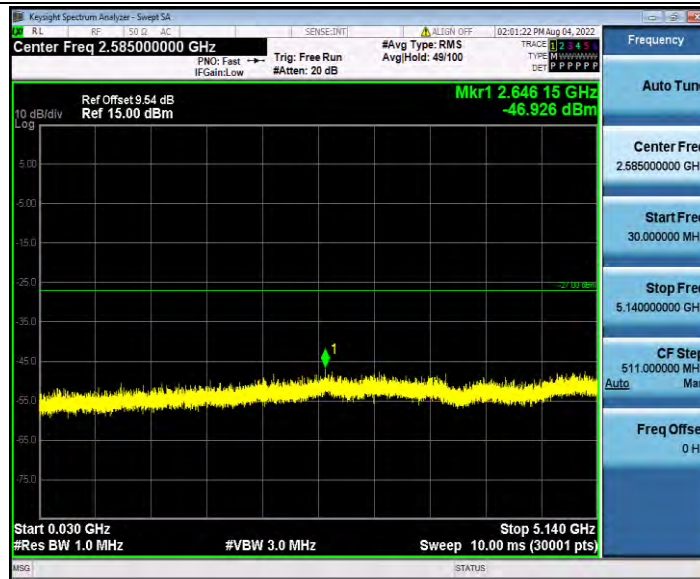
11A_Ant1_5260_30~5140



11A_Ant1_5260_5360~40000



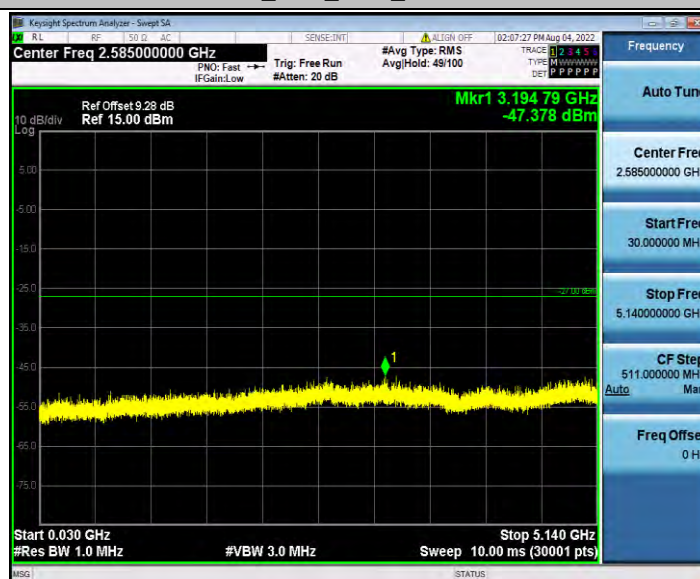
11A_Ant1_5280_30~5140



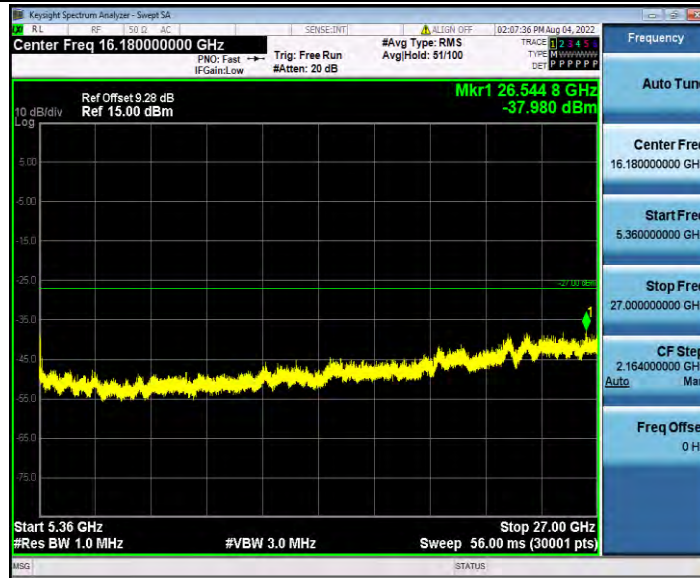
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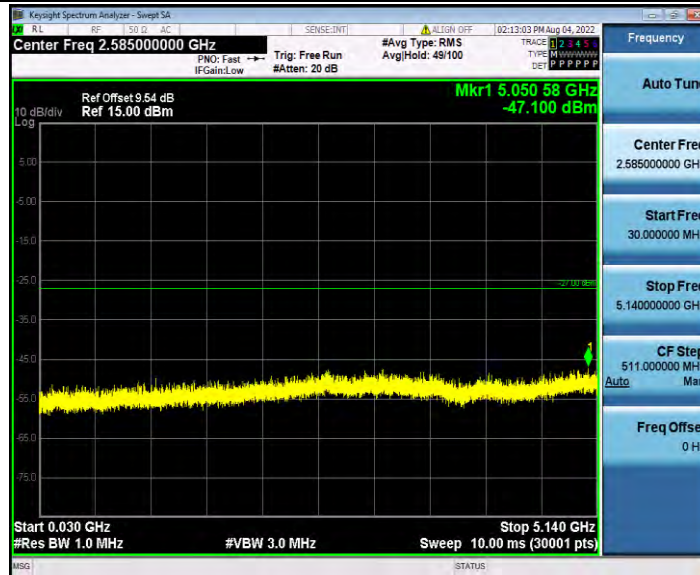
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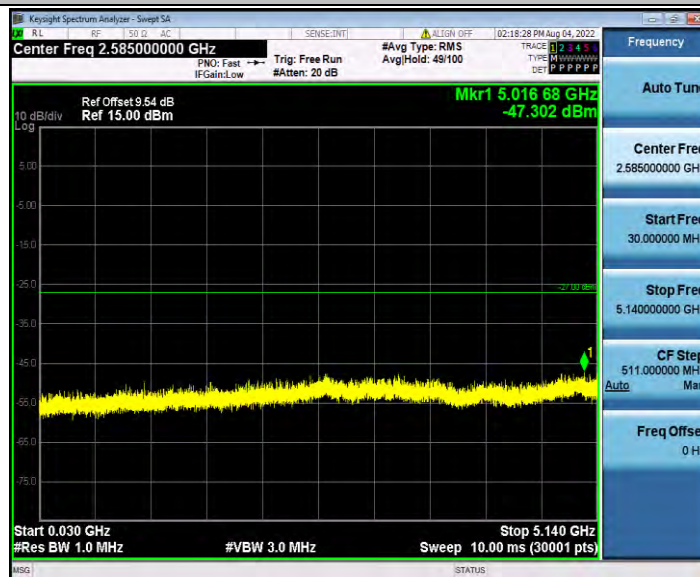
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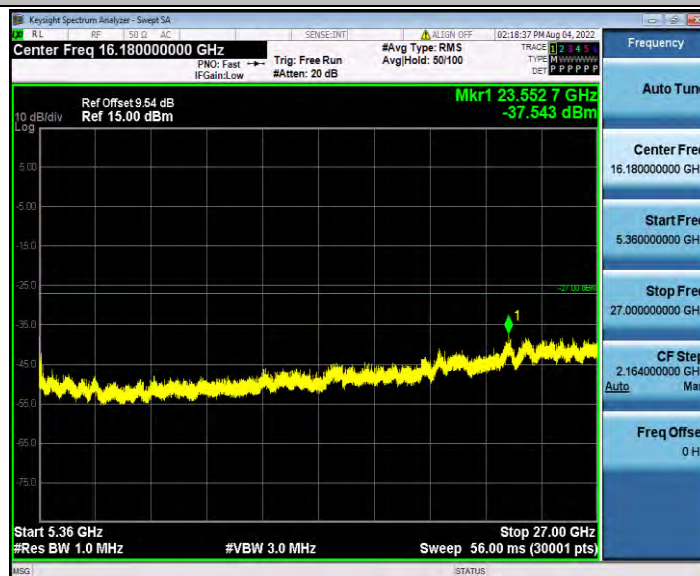
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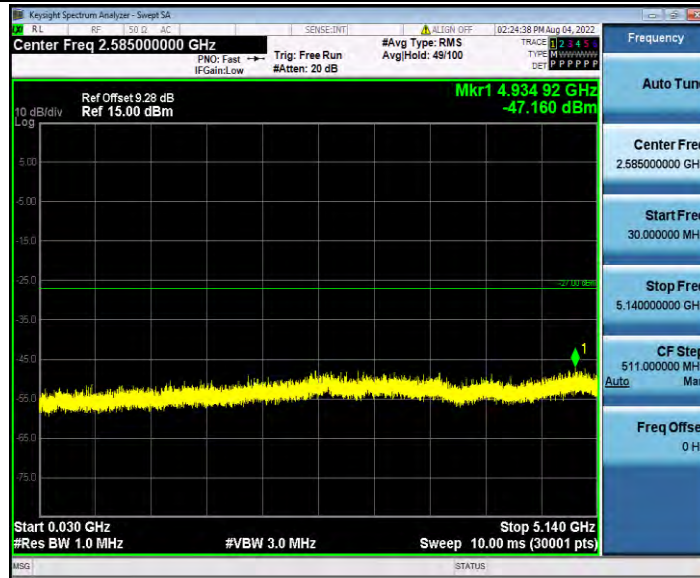
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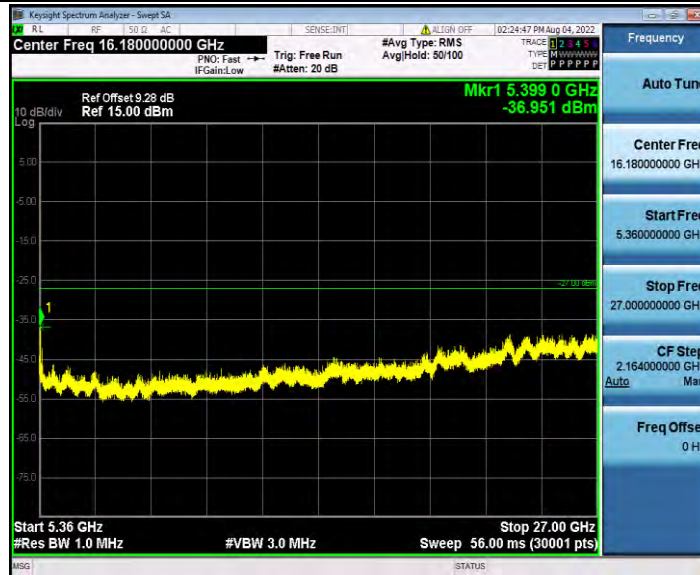
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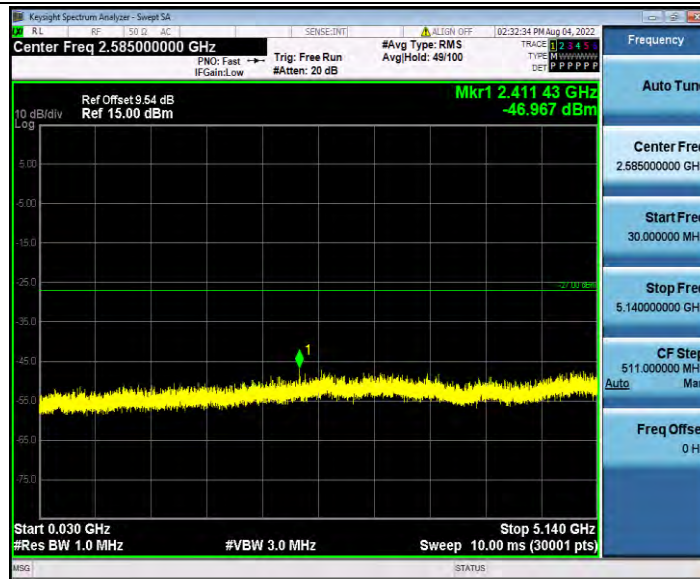
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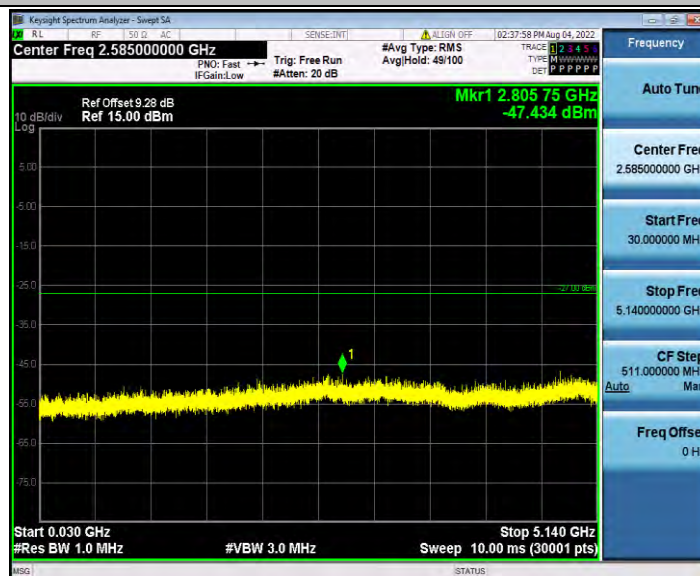
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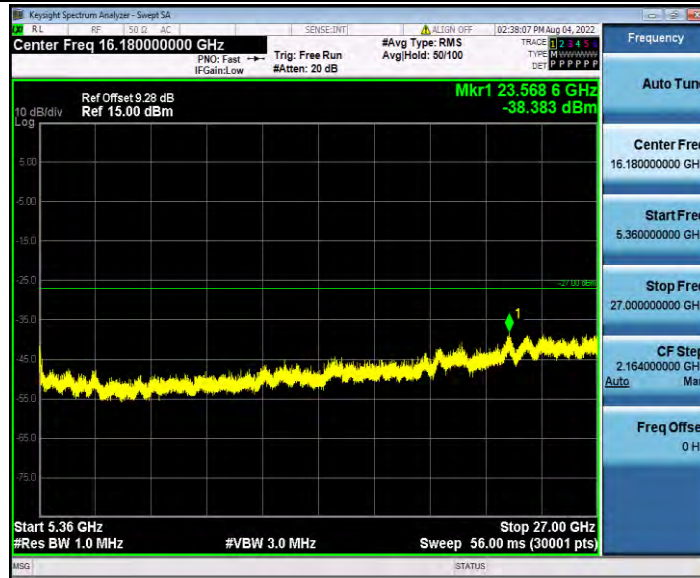
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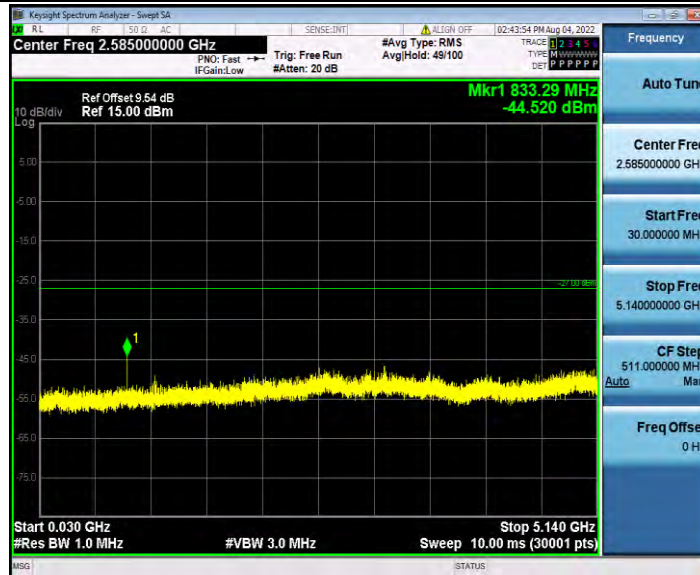
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11N40SISO_Ant1_5310_5360~40000



11AC20SISO_Ant1_5260_30~5140



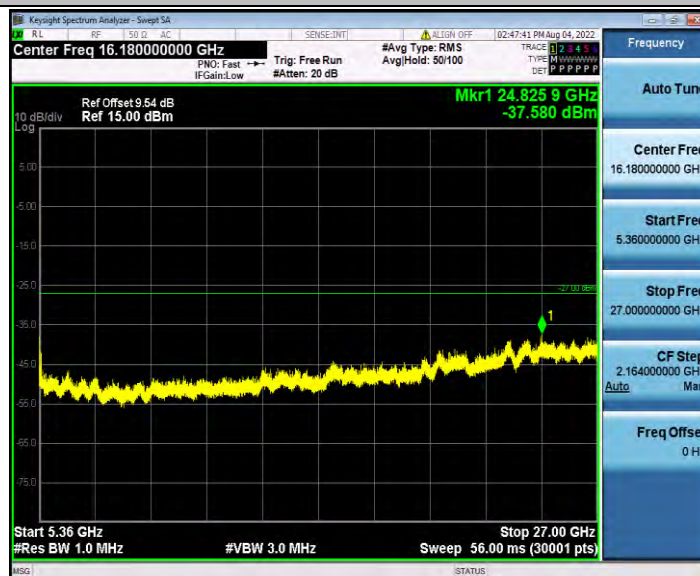
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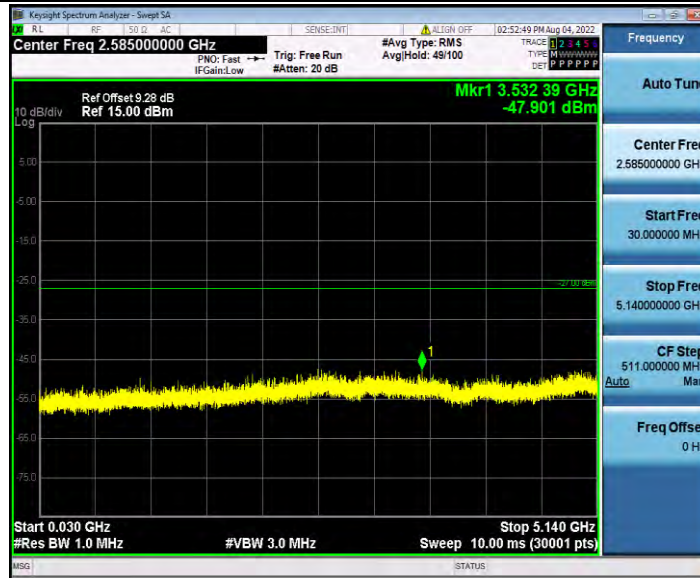
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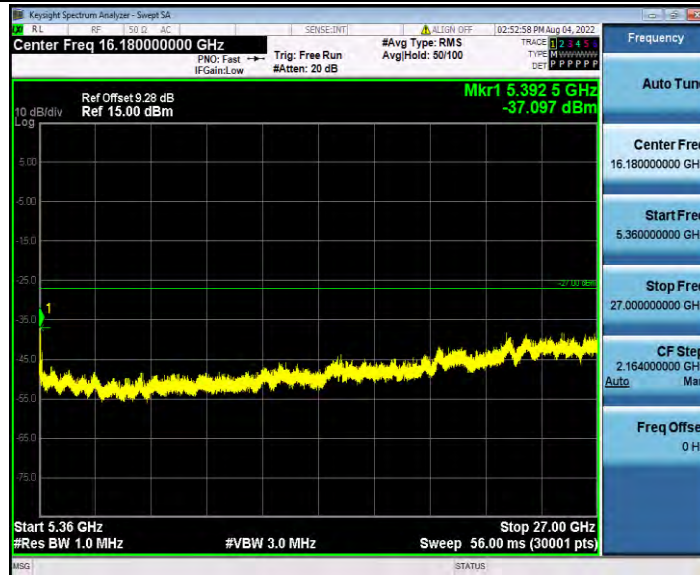
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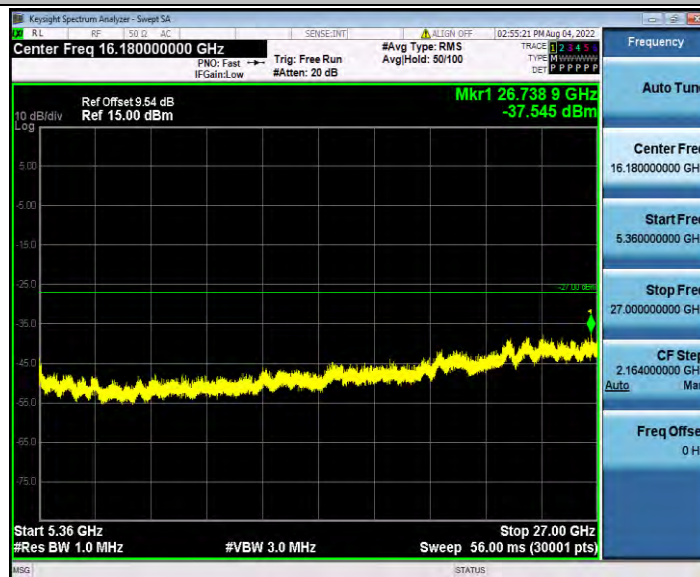
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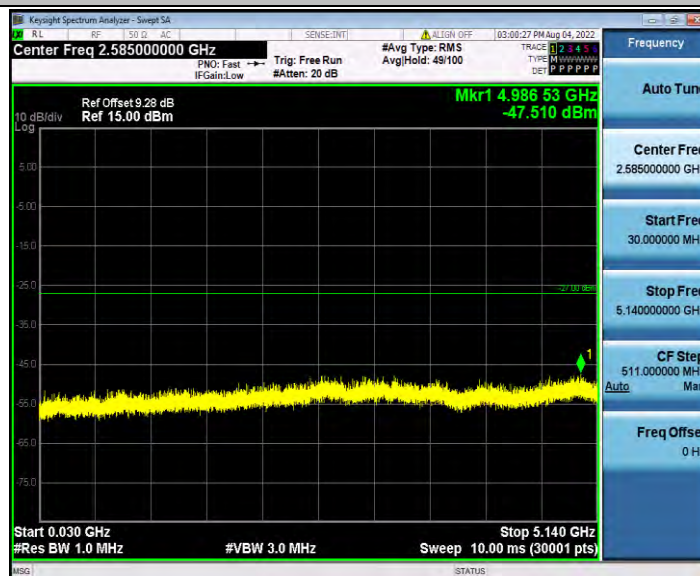
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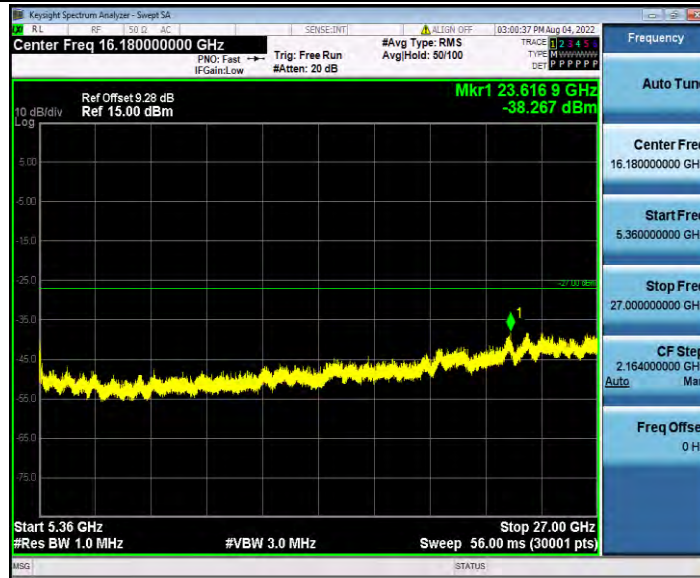
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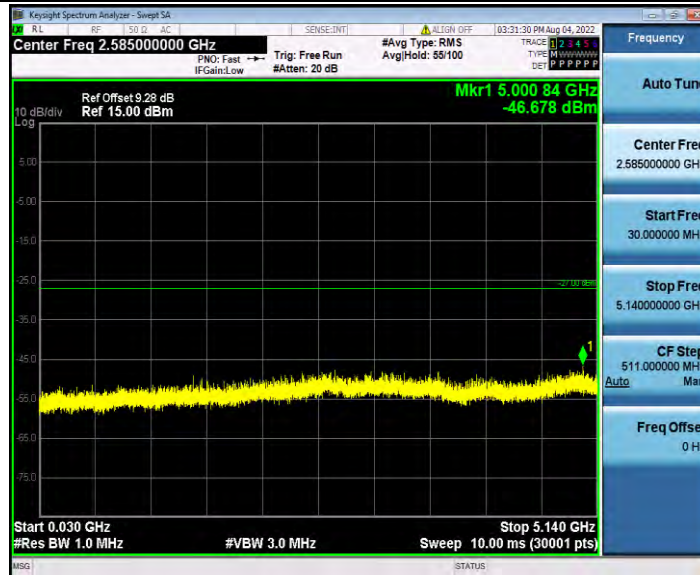
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11AC40SISO_Ant1_5310_5360~40000



11AC80SISO_Ant1_5290_30~5140



11AC80SISO_Ant1_5290_5360~40000

