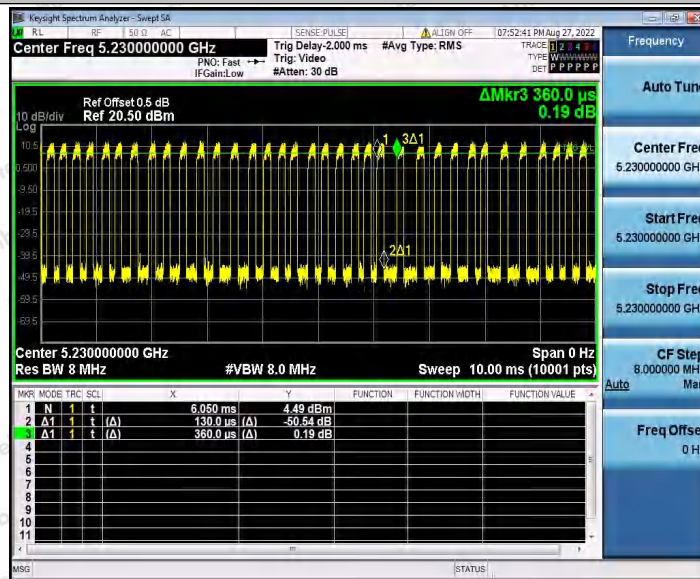
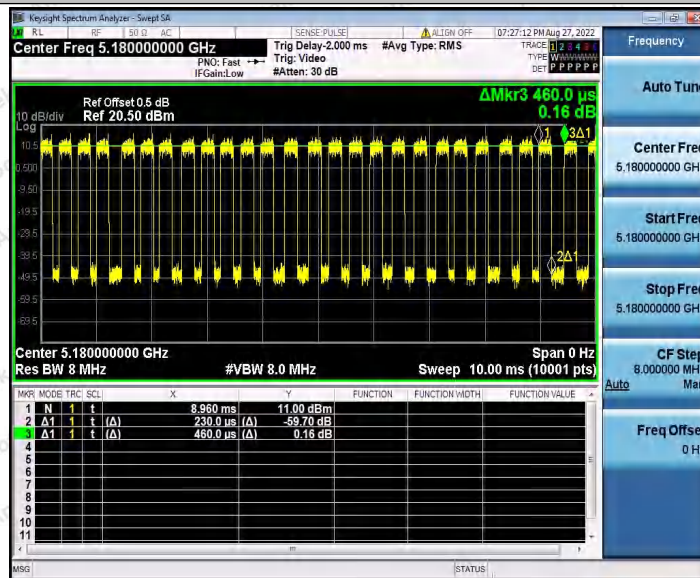


11N40SISO_Ant2_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant2_5180

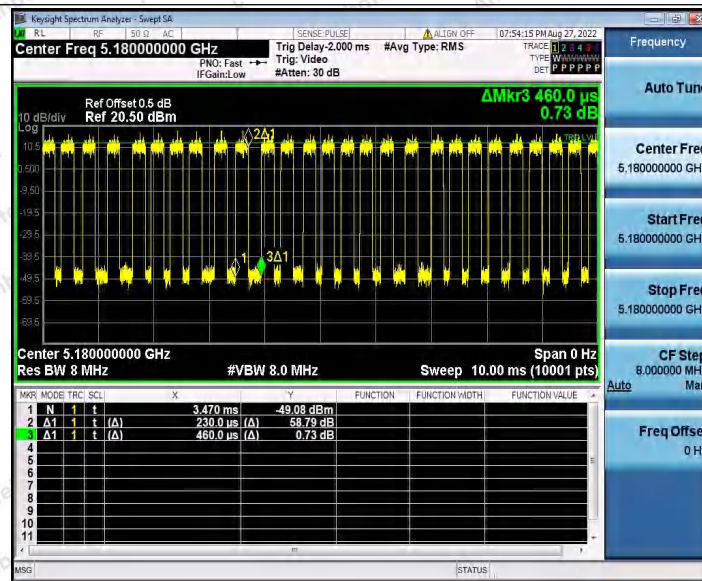
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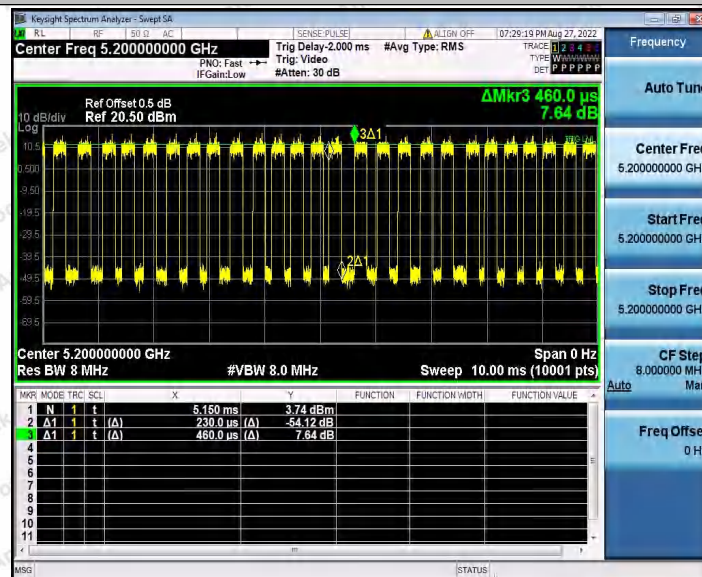


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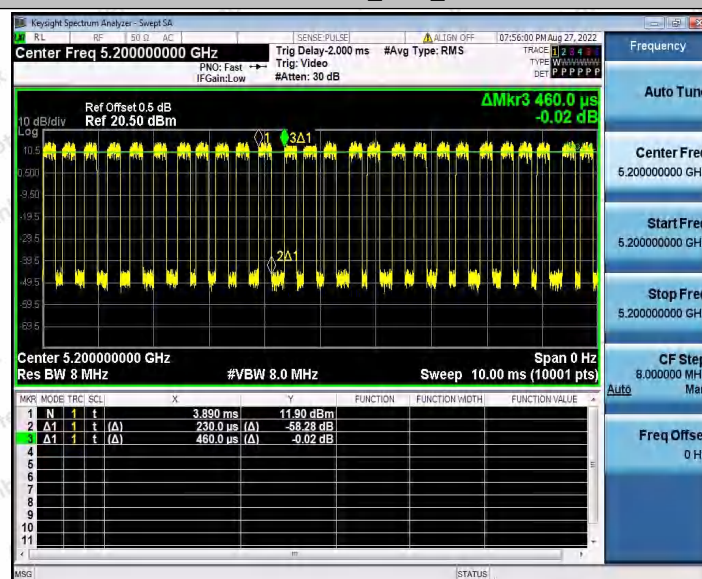




11AC20SISO_Ant1_5200



11AC20SISO_Ant2_5200



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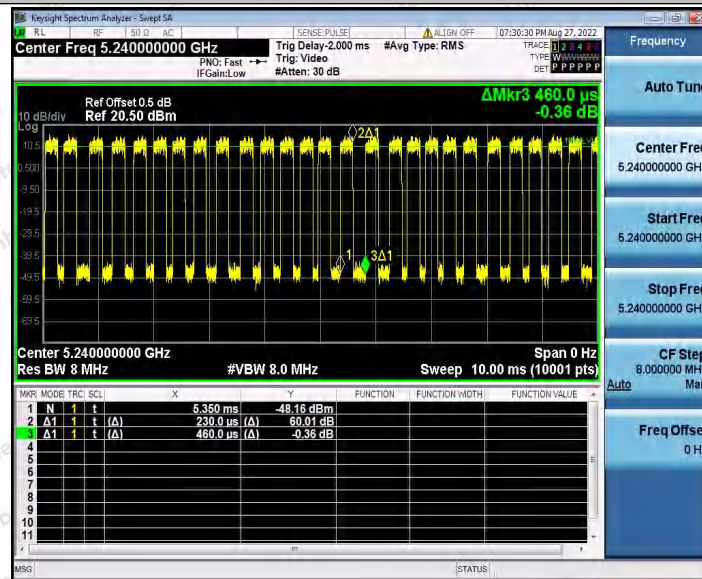
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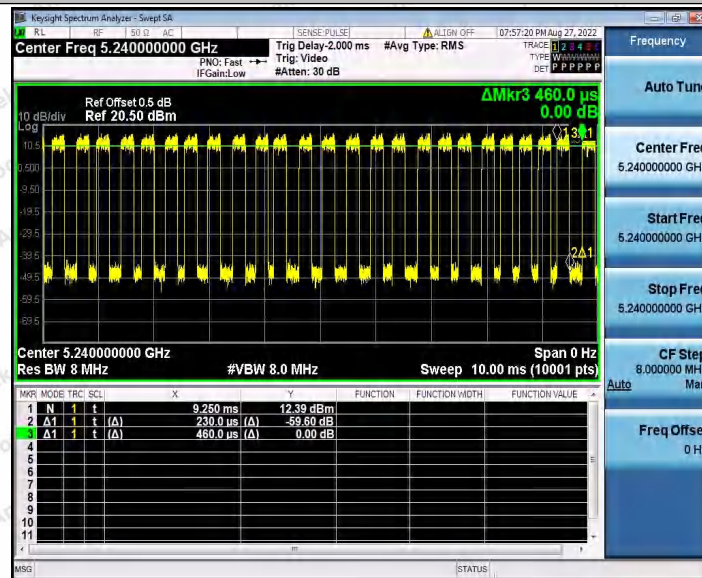
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11AC20SISO_Ant1_5240



11AC20SISO_Ant2_5240



11AC40SISO_Ant1_5190

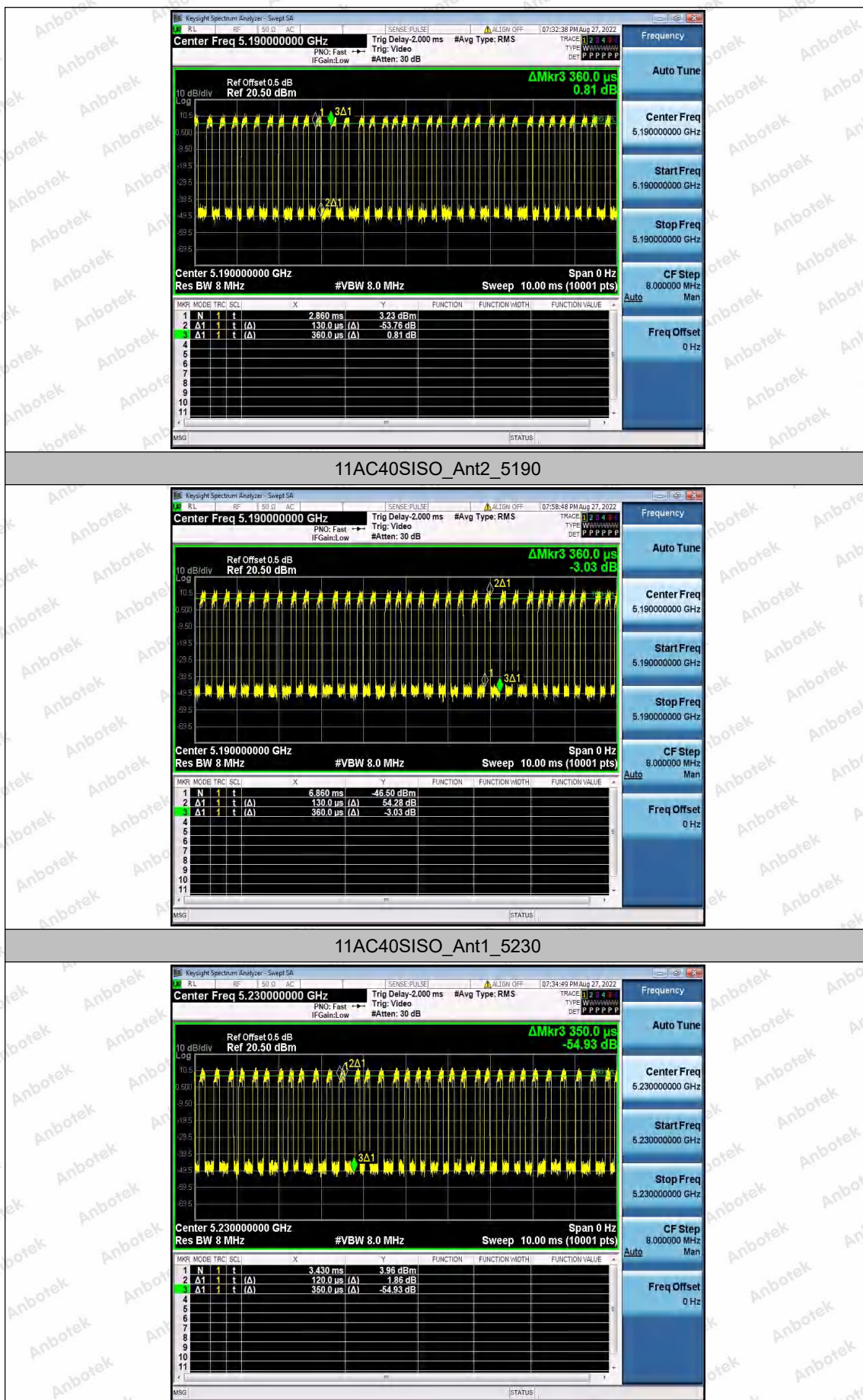
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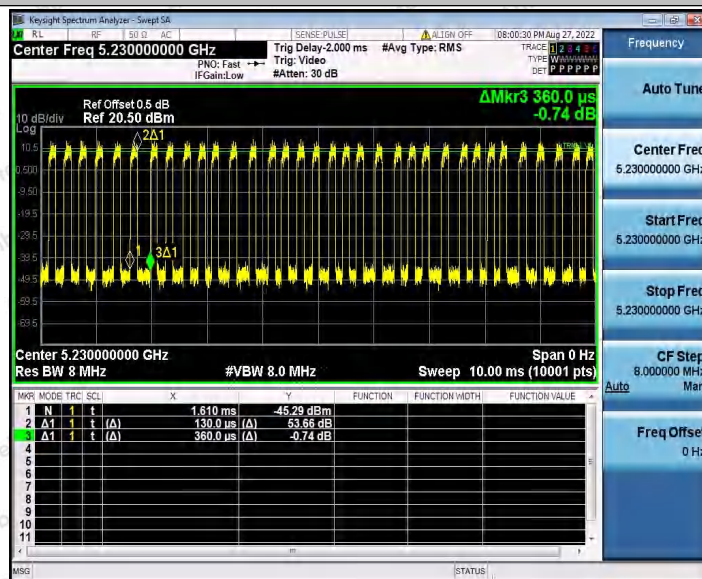
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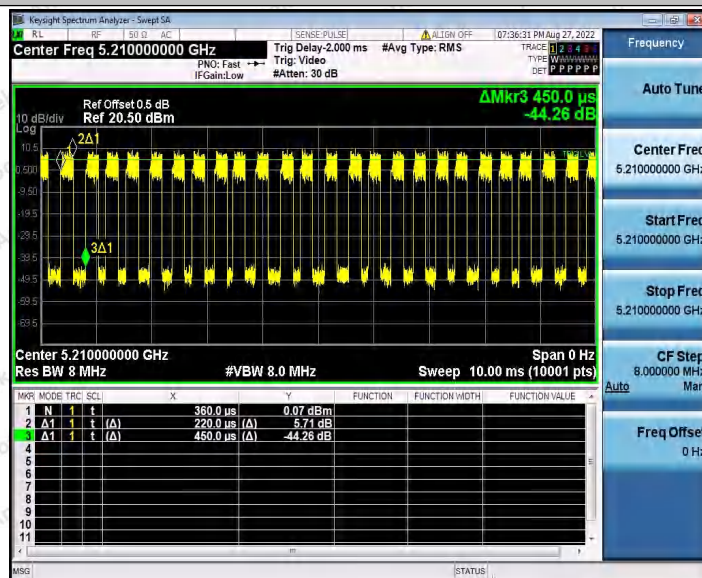
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11AC40SISO_Ant2_5230



11AC80SISO_Ant1_5210



11AC80SISO_Ant2_5210

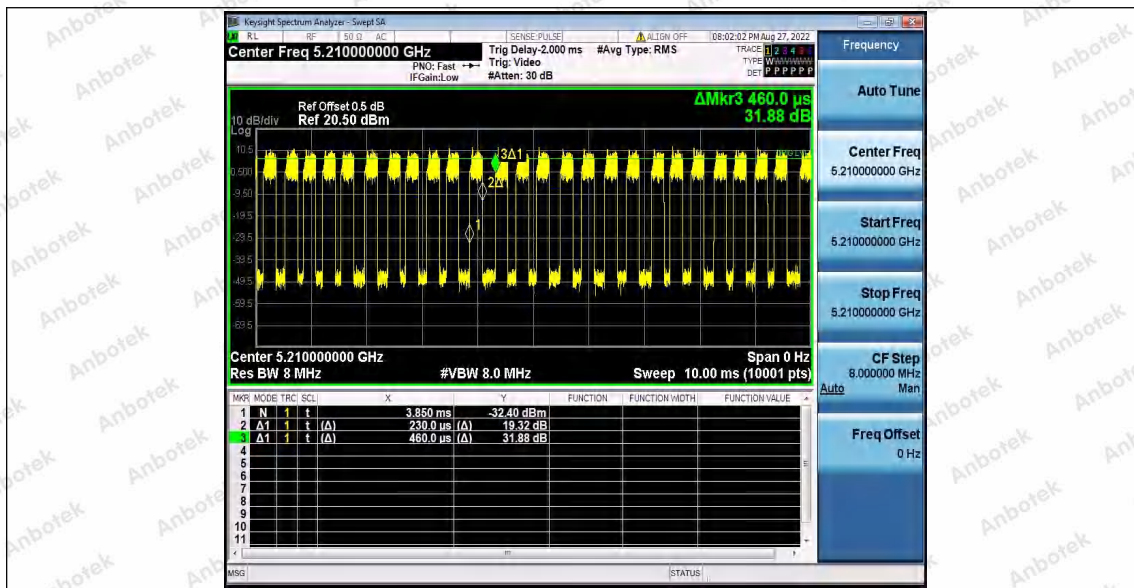
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Appendix C: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[MHz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	8.13	50.00	3.01	11.14	≤22.27	PASS
	Ant2	5180	8.08	48.89	3.11	11.19	≤22.27	PASS
	Ant1	5200	8.38	47.83	3.20	11.58	≤22.27	PASS
	Ant2	5200	8.28	50.00	3.01	11.29	≤22.27	PASS
	Ant1	5240	8.59	48.89	3.11	11.70	≤22.27	PASS
	Ant2	5240	8.71	50.00	3.01	11.72	≤22.27	PASS
11N20SISO	Ant1	5180	7.33	48.89	3.11	10.44	≤22.27	PASS
	Ant2	5180	7.81	50.00	3.01	10.82	≤22.27	PASS
	Ant1	5200	7.27	48.89	3.11	10.38	≤22.27	PASS
	Ant2	5200	7.97	50.00	3.01	10.98	≤22.27	PASS
	Ant1	5240	7.80	50.00	3.01	10.81	≤22.27	PASS
	Ant2	5240	8.50	50.00	3.01	11.51	≤22.27	PASS
11N40SISO	Ant1	5190	6.16	36.11	4.42	10.58	≤22.27	PASS
	Ant2	5190	7.08	36.11	4.42	11.50	≤22.27	PASS
	Ant1	5230	6.07	36.11	4.42	10.49	≤22.27	PASS
	Ant2	5230	6.94	36.11	4.42	11.36	≤22.27	PASS
11AC20SISO	Ant1	5180	7.46	50.00	3.01	10.47	≤22.27	PASS
	Ant2	5180	7.90	50.00	3.01	10.91	≤22.27	PASS
	Ant1	5200	7.35	50.00	3.01	10.36	≤22.27	PASS
	Ant2	5200	7.89	50.00	3.01	10.90	≤22.27	PASS
	Ant1	5240	7.72	50.00	3.01	10.73	≤22.27	PASS
	Ant2	5240	8.43	50.00	3.01	11.44	≤22.27	PASS
11AC40SISO	Ant1	5190	6.41	36.11	4.42	10.83	≤22.27	PASS
	Ant2	5190	7.01	36.11	4.42	11.43	≤22.27	PASS
	Ant1	5230	6.06	34.29	4.65	10.71	≤22.27	PASS
	Ant2	5230	7.08	36.11	4.42	11.50	≤22.27	PASS
11AC80SISO	Ant1	5210	7.54	48.89	3.11	10.65	≤22.27	PASS
	Ant2	5210	8.06	50.00	3.01	11.07	≤22.27	PASS

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

MIMO ANT gain: 7.71dBi

Limit [dBm]=23.98-(7.71-6)=22.27dBm



MIMO:

Test Condition	Test Mode	Channel	Result[dBm]	Limit[dBm]	Verdict
NTNV	11N20MIMO	5180	13.644	≤22.27	PASS
		5200	13.701	≤22.27	PASS
		5240	14.184	≤22.27	PASS
	11N40MIMO	5190	14.075	≤22.27	PASS
		5230	13.957	≤22.27	PASS
	11AC20MIMO	5180	13.706	≤22.27	PASS
		5200	13.649	≤22.27	PASS
		5240	14.110	≤22.27	PASS
	11AC40MIMO	5190	14.151	≤22.27	PASS
		5230	14.133	≤22.27	PASS
	11AC80MIMO	5210	13.875	≤22.27	PASS

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Appendix D: Maximum power spectral density

Test Result B1

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	0.92	≤9.29	PASS
	Ant2	5180	0.69	≤9.29	PASS
	Ant1	5200	1.25	≤9.29	PASS
	Ant2	5200	0.88	≤9.29	PASS
	Ant1	5240	1.36	≤9.29	PASS
	Ant2	5240	1.07	≤9.29	PASS
11N20SISO	Ant1	5180	-0.24	≤9.29	PASS
	Ant2	5180	0.05	≤9.29	PASS
	Ant1	5200	0.35	≤9.29	PASS
	Ant2	5200	-0.08	≤9.29	PASS
	Ant1	5240	0.06	≤9.29	PASS
	Ant2	5240	0.52	≤9.29	PASS
11N40SISO	Ant1	5190	-3.03	≤9.29	PASS
	Ant2	5190	-1.95	≤9.29	PASS
	Ant1	5230	-2.76	≤9.29	PASS
	Ant2	5230	-2.17	≤9.29	PASS
11AC20SISO	Ant1	5180	0.06	≤9.29	PASS
	Ant2	5180	-0.06	≤9.29	PASS
	Ant1	5200	-0.3	≤9.29	PASS
	Ant2	5200	-0.15	≤9.29	PASS
	Ant1	5240	-0.03	≤9.29	PASS
	Ant2	5240	1.13	≤9.29	PASS
11AC40SISO	Ant1	5190	-2.5	≤9.29	PASS
	Ant2	5190	-1.46	≤9.29	PASS
	Ant1	5230	-2.67	≤9.29	PASS
	Ant2	5230	-2.02	≤9.29	PASS
11AC80SISO	Ant1	5210	-5.25	≤9.29	PASS
	Ant2	5210	-3.92	≤9.29	PASS

Note: 1.The Duty Cycle Factor and RBW Factor is compensated in the graph.

MIMO ANT gain: 7.71dBi

Limit [dBm/MHz]=11-(7.71-6)=9.29dBm/MHz



MIMO:

Test Condition	Test Mode	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
NTNV	11N20MIMO	5180	2.918	≤9.29	PASS
		5200	3.151	≤9.29	PASS
		5240	3.306	≤9.29	PASS
	11N40MIMO	5190	0.554	≤9.29	PASS
		5230	0.555	≤9.29	PASS
	11AC20MIMO	5180	3.011	≤9.29	PASS
		5200	2.786	≤9.29	PASS
		5240	3.599	≤9.29	PASS
	11AC40MIMO	5190	1.061	≤9.29	PASS
		5230	0.677	≤9.29	PASS
	11AC80MIMO	5210	-1.524	≤9.29	PASS

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Test Graphs B1



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11A_Ant2_5200



11A_Ant1_5240



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11A_Ant2_5240



11N20SISO_Ant1_5180



11N20SISO_Ant2_5180

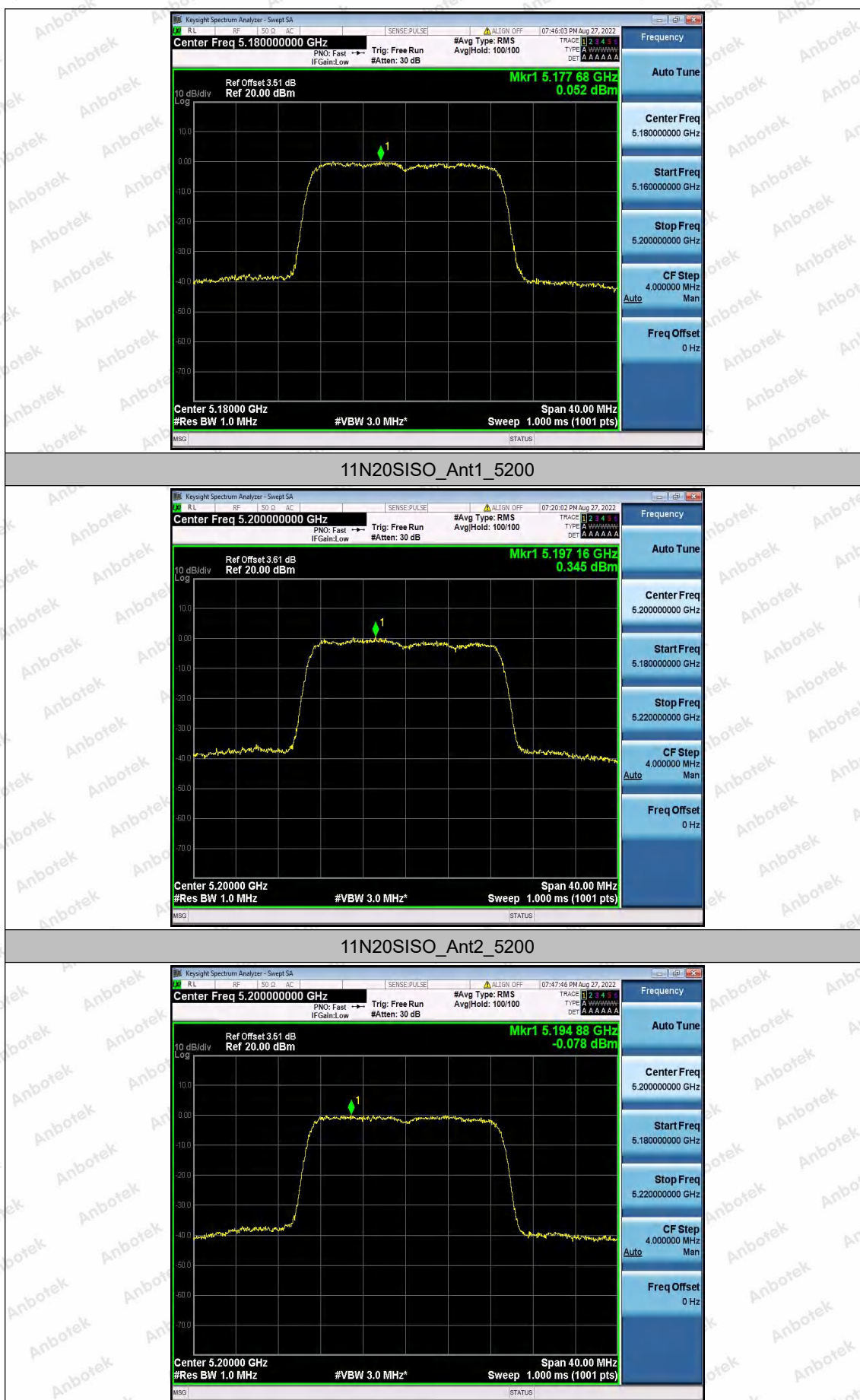
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11N20SISO_Ant1_5240



11N20SISO_Ant2_5240



11N40SISO_Ant1_5190

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11N40SISO_Ant2_5190



11N40SISO_Ant1_5230

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11N40SISO_Ant2_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant2_5180

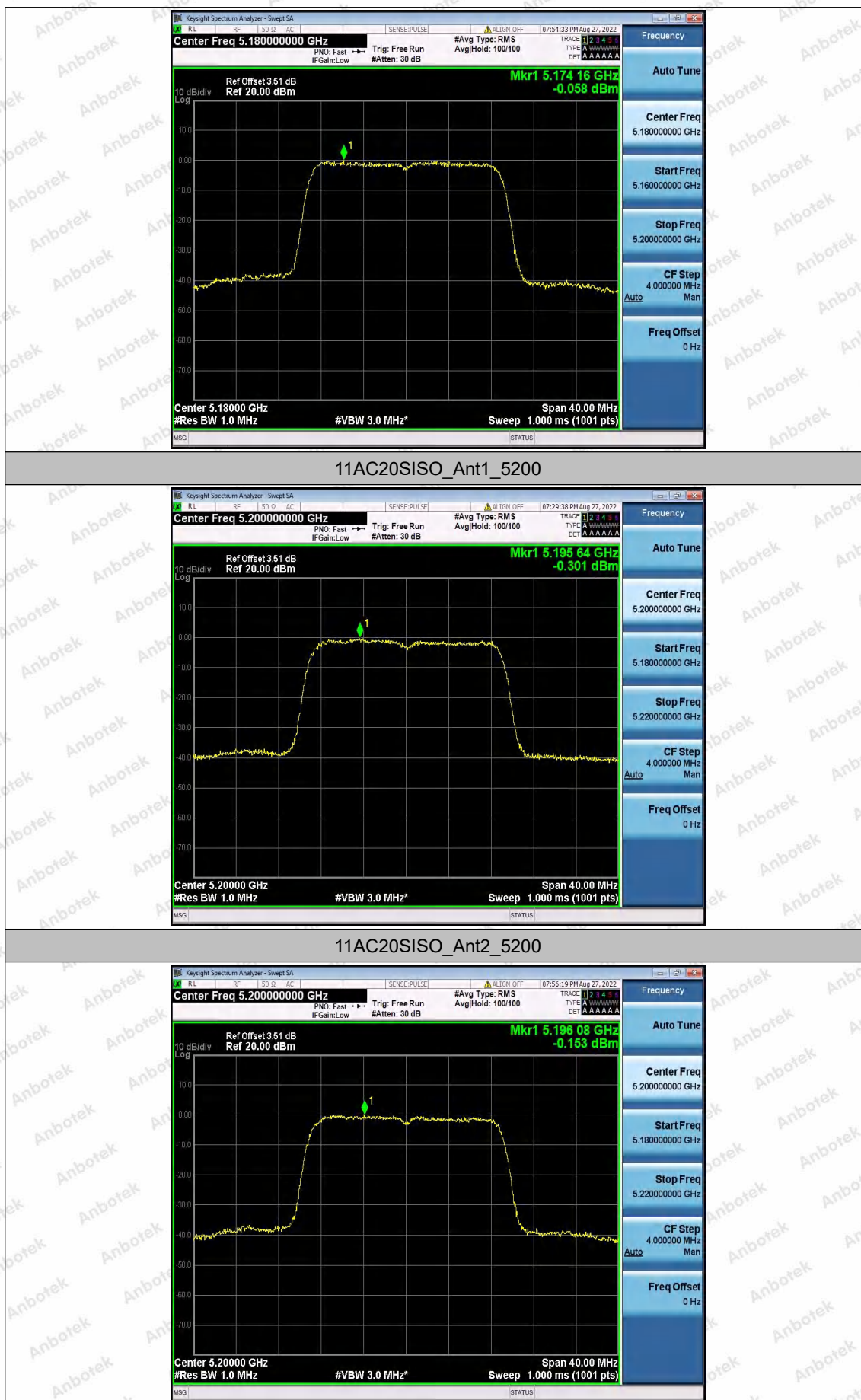
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11AC20SISO_Ant1_5240



11AC20SISO_Ant2_5240



11AC40SISO_Ant1_5190

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11AC40SISO_Ant2_5190



11AC40SISO_Ant1_5230

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11AC40SISO_Ant2_5230



11AC80SISO_Ant1_5210



11AC80SISO_Ant2_5210

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Appendix E: Band edge measurements

Test Result B1

Test Mode	Antenna	Ch Name	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-47.47	≤-27	PASS
	Ant2	Low	5180	-48.46	≤-27	PASS
	Ant1	High	5240	-52.23	≤-27	PASS
	Ant2	High	5240	-56.74	≤-27	PASS
11N20SISO	Ant1	Low	5180	-48.03	≤-27	PASS
	Ant2	Low	5180	-48.76	≤-27	PASS
	Ant1	High	5240	-52.89	≤-27	PASS
	Ant2	High	5240	-56.93	≤-27	PASS
11N40SISO	Ant1	Low	5190	-40.37	≤-27	PASS
	Ant2	Low	5190	-40.33	≤-27	PASS
	Ant1	High	5230	-54.7	≤-27	PASS
	Ant2	High	5230	-57.01	≤-27	PASS
11AC20SISO	Ant1	Low	5180	-47.68	≤-27	PASS
	Ant2	Low	5180	-49.26	≤-27	PASS
	Ant1	High	5240	-53.07	≤-27	PASS
	Ant2	High	5240	-56.89	≤-27	PASS
11AC40SISO	Ant1	Low	5190	-40.33	≤-27	PASS
	Ant2	Low	5190	-40.06	≤-27	PASS
	Ant1	High	5230	-55.53	≤-27	PASS
	Ant2	High	5230	-56.65	≤-27	PASS
11AC80SISO	Ant1	Low	5210	-37	≤-27	PASS
	Ant2	Low	5210	-37.09	≤-27	PASS
	Ant1	High	5210	-48.87	≤-27	PASS
	Ant2	High	5210	-47.26	≤-27	PASS

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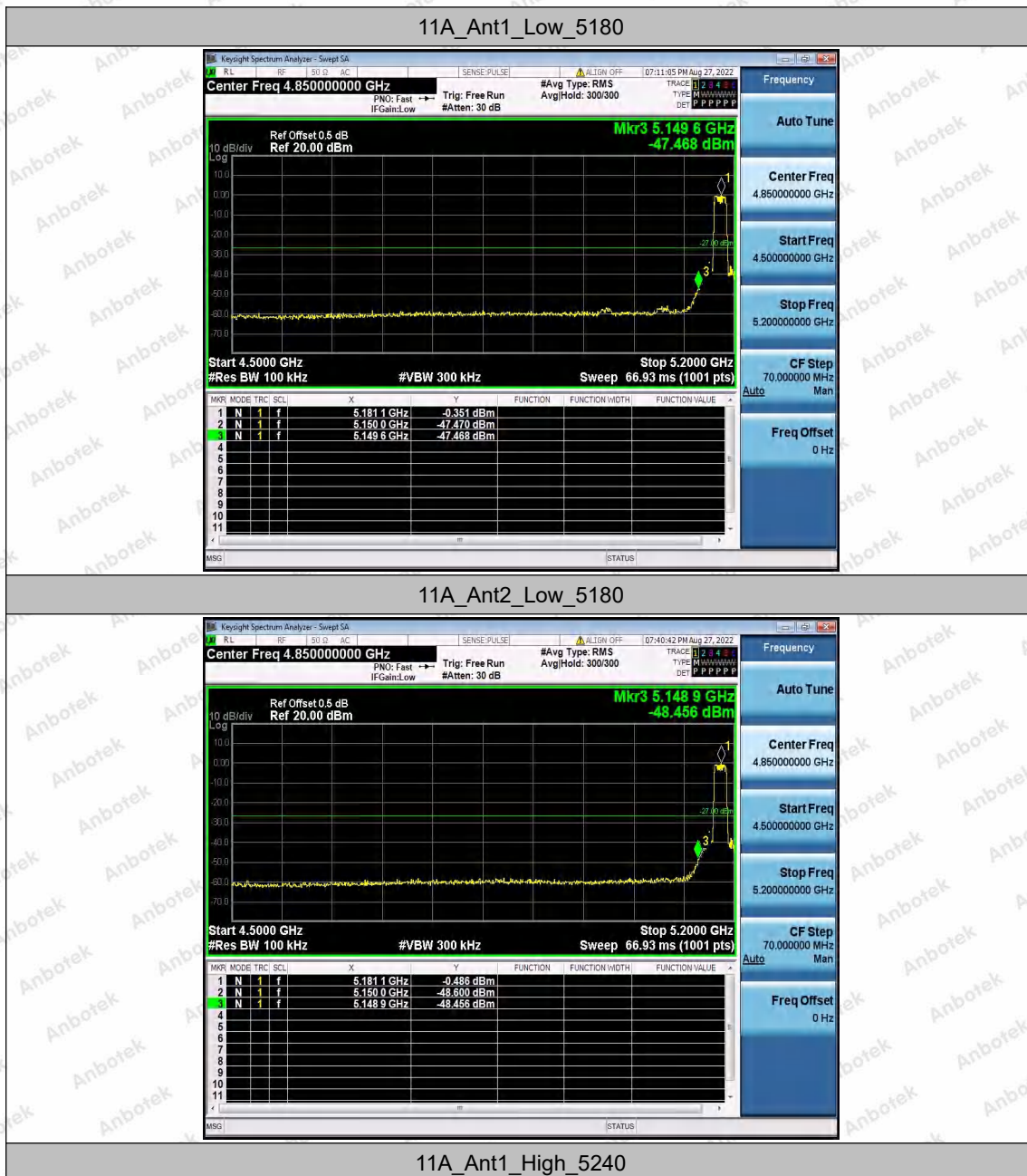
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Test Graphs B1



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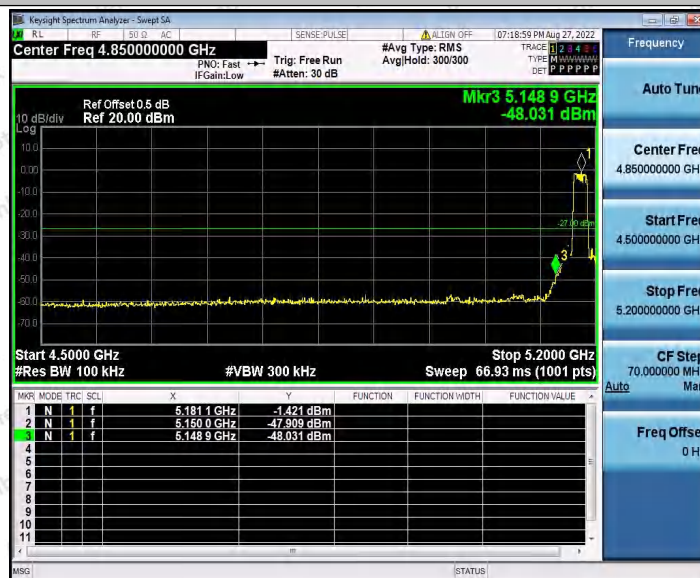




11A_Ant2_High_5240



11N20SISO_Ant1_Low_5180



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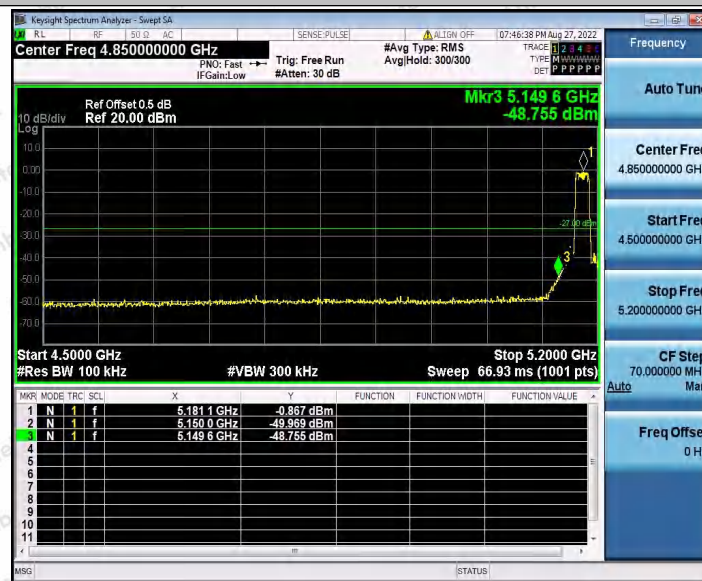
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11N20SISO_Ant2_Low_5180



11N20SISO_Ant1_High_5240



11N20SISO_Ant2_High_5240

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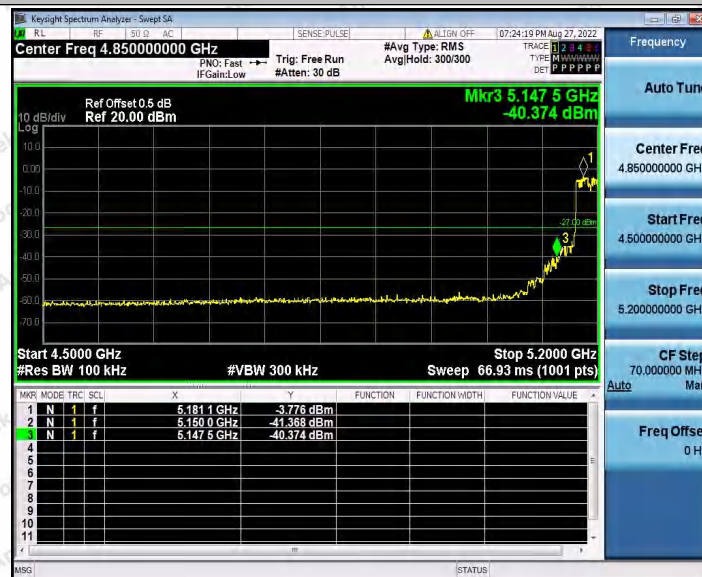


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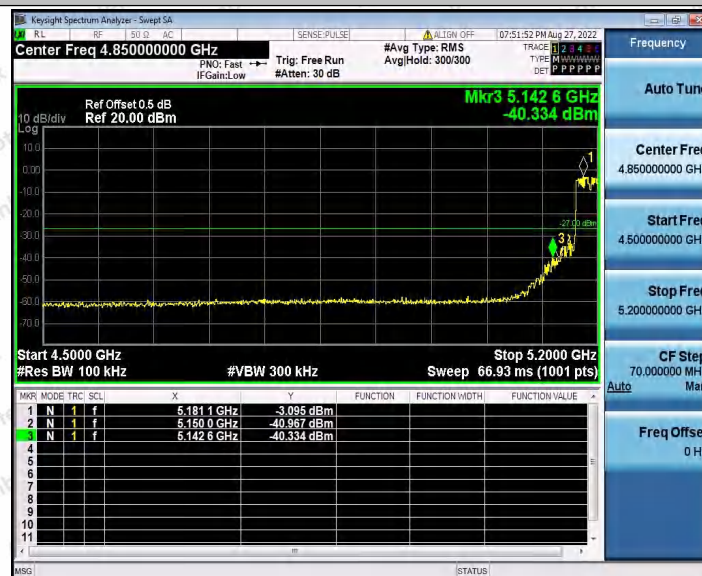




11N40ISO_Ant1_Low_5190



11N40ISO_Ant2_Low_5190



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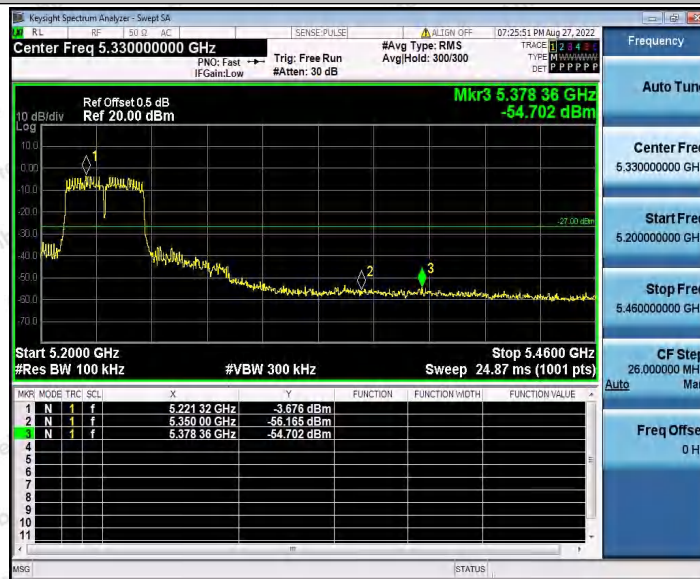
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11N40SISO_Ant1_High_5230



11N40SISO_Ant2_High_5230



11AC20SISO_Ant1_Low_5180

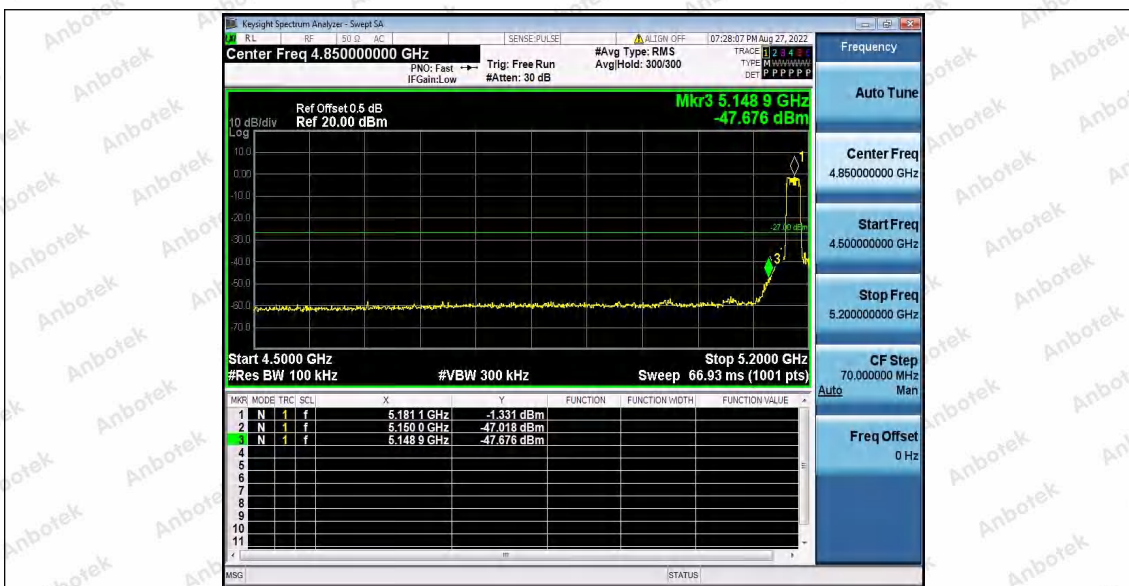
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11AC20SISO_Ant2_Low_5180



11AC20SISO_Ant1_High_5240



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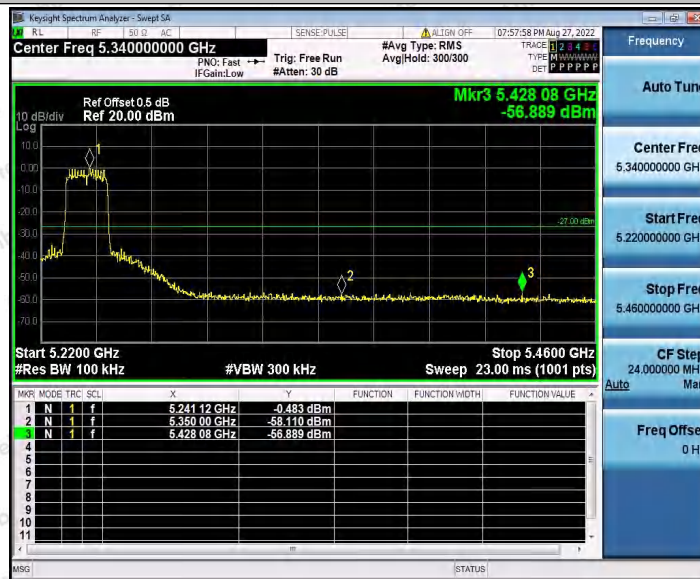
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Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



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11AC20SISO_Ant2_High_5240



11AC40SISO_Ant1_Low_5190



11AC40SISO_Ant2_Low_5190

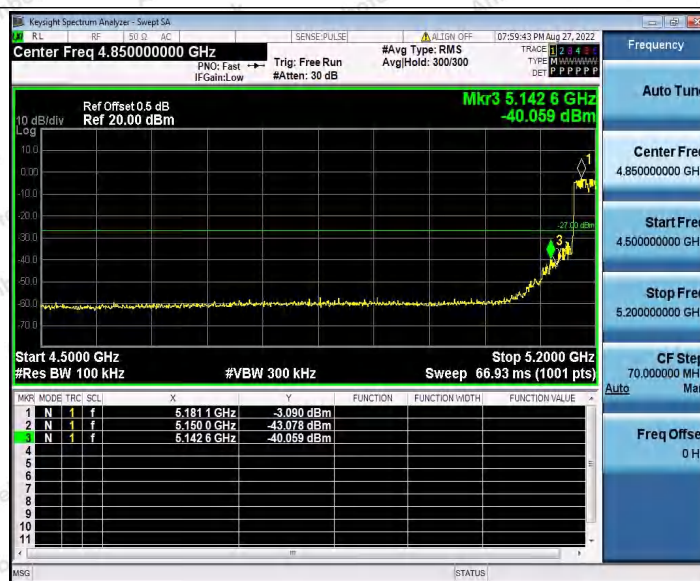
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11AC40SISO_Ant1_High_5230



11AC40SISO_Ant2_High_5230



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11AC80SISO_Ant1_Low_5210



11AC80SISO_Ant2_Low_5210



11AC80SISO_Ant1_High_5210

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