



Appendix C

RF Test Data for 5.2&5.3&5.5G WIFI (Conducted Measurement)

Product Name: LAVA ME3

Test Model: LAVA ME3

Environmental Conditions

Temperature:	21.1° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Ken He
Supervised by:	Li Huan



C.1 Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11A	Ant1	5180	1.39	1.44	96.53	---	PASS
		5200	1.39	1.44	96.53	---	PASS
		5240	1.39	1.44	96.53	---	PASS
		5260	1.39	1.44	96.53	---	PASS
		5280	1.39	1.44	96.53	---	PASS
		5320	1.39	1.44	96.53	---	PASS
		5500	1.39	1.44	96.53	---	PASS
		5580	1.39	1.44	96.53	---	PASS
		5700	1.39	1.44	96.53	---	PASS
11N20SISO	Ant1	5180	1.30	1.35	96.30	---	PASS
		5200	1.30	1.35	96.30	---	PASS
		5240	1.30	1.35	96.30	---	PASS
		5260	1.30	1.35	96.30	---	PASS
		5280	1.30	1.35	96.30	---	PASS
		5320	1.30	1.35	96.30	---	PASS
		5500	1.30	1.35	96.30	---	PASS
		5580	1.30	1.35	96.30	---	PASS
		5700	1.30	1.34	97.01	---	PASS
11N40SISO	Ant1	5190	0.64	0.68	94.12	---	PASS
		5230	0.64	0.68	94.12	---	PASS
		5270	0.64	0.68	94.12	---	PASS
		5310	0.64	0.68	94.12	---	PASS
		5510	0.64	0.68	94.12	---	PASS
		5590	0.64	0.68	94.12	---	PASS
		5670	0.64	0.68	94.12	---	PASS
11AC20SISO	Ant1	5180	1.30	1.34	97.01	---	PASS
		5200	1.30	1.34	97.01	---	PASS
		5240	1.30	1.34	97.01	---	PASS
		5260	1.30	1.34	97.01	---	PASS
		5280	1.30	1.34	97.01	---	PASS
		5320	1.30	1.34	97.01	---	PASS
		5500	1.30	1.34	97.01	---	PASS
		5580	1.30	1.34	97.01	---	PASS
		5700	1.30	1.34	97.01	---	PASS
11AC40SISO	Ant1	5190	0.64	0.68	94.12	---	PASS
		5230	0.64	0.68	94.12	---	PASS
		5270	0.64	0.68	94.12	---	PASS

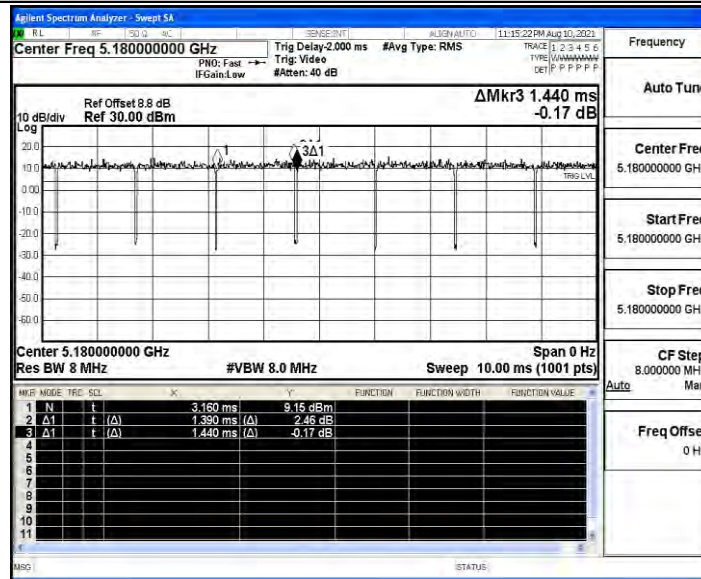


		5310	0.64	0.68	94.12	---	PASS
		5510	0.64	0.68	94.12	---	PASS
		5590	0.64	0.68	94.12	---	PASS
		5670	0.64	0.68	94.12	---	PASS
11AC80SISO	Ant1	5210	0.32	0.37	86.49	---	PASS
		5290	0.32	0.37	86.49	---	PASS
		5530	0.32	0.37	86.49	---	PASS
		5610	0.32	0.37	86.49	---	PASS

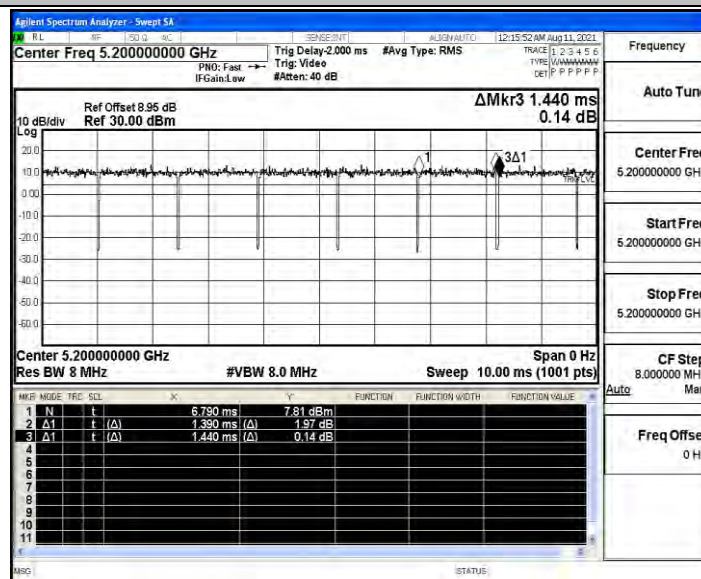


Test Graphs

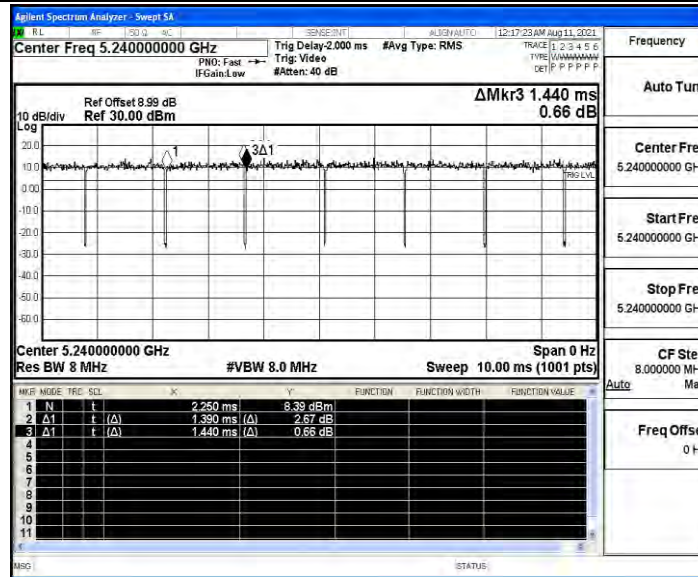
11A_Ant1_5180



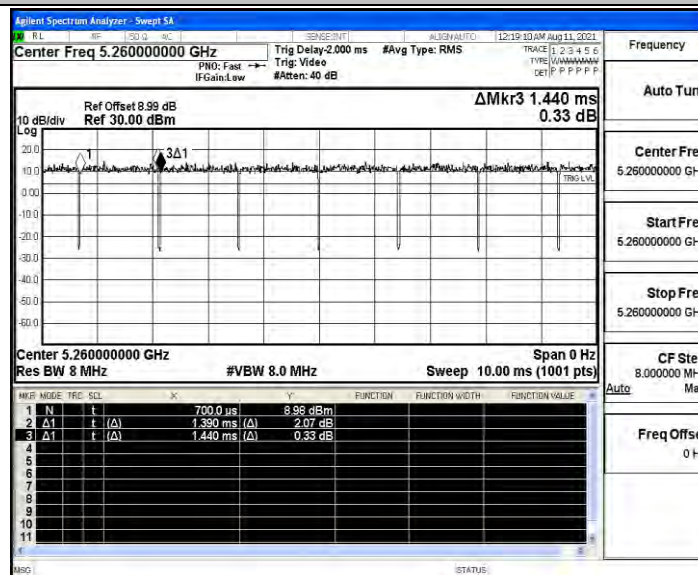
11A_Ant1_5200



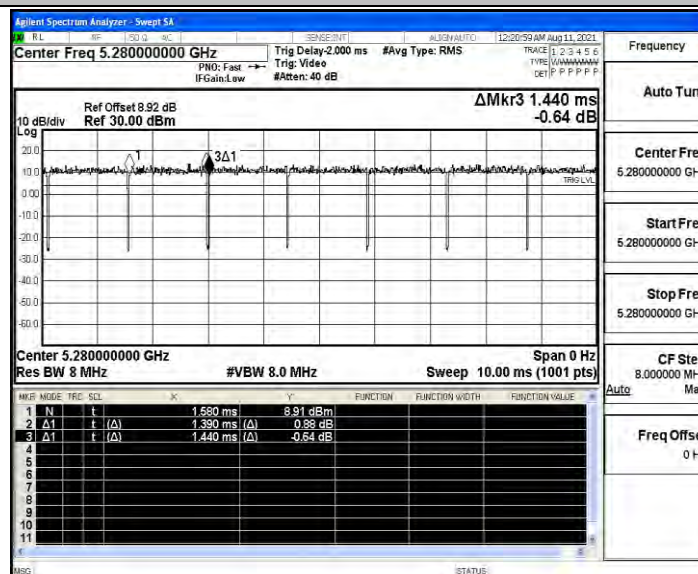
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11A_Ant1_5260

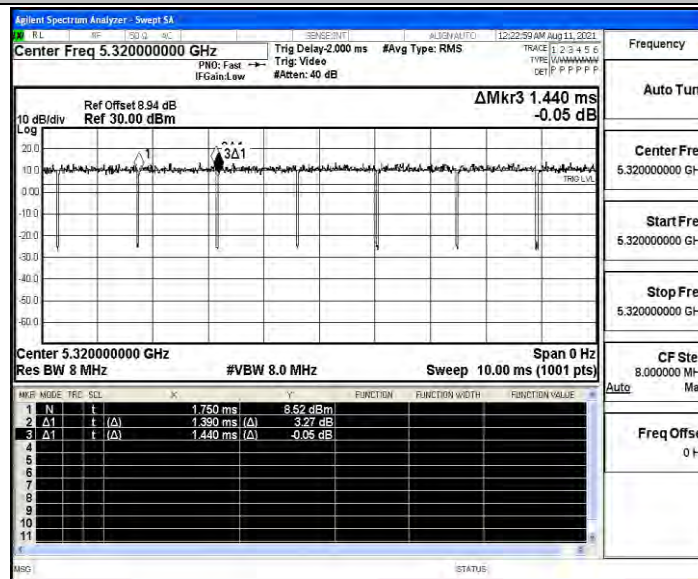


11A_Ant1_5280

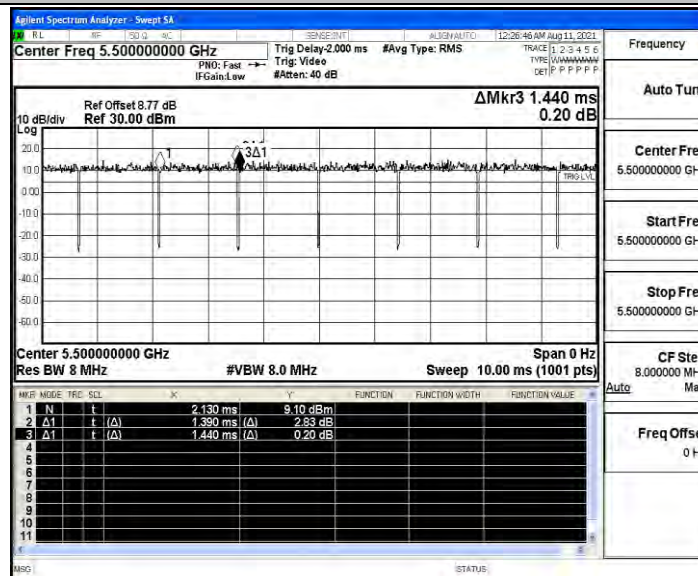




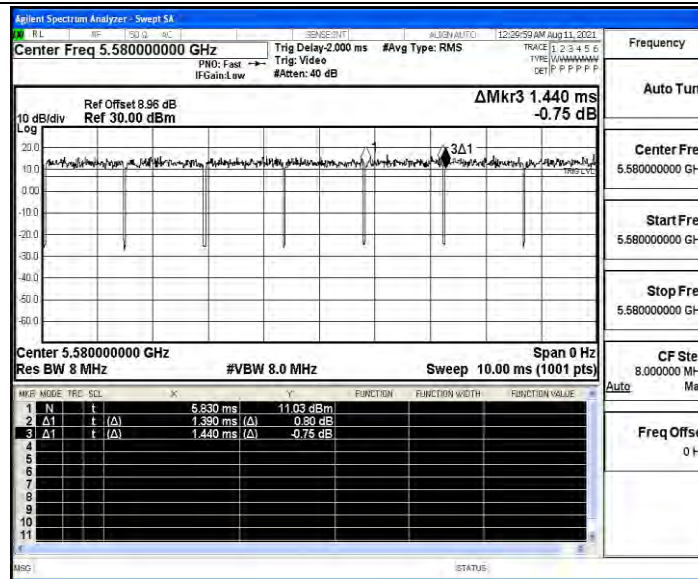
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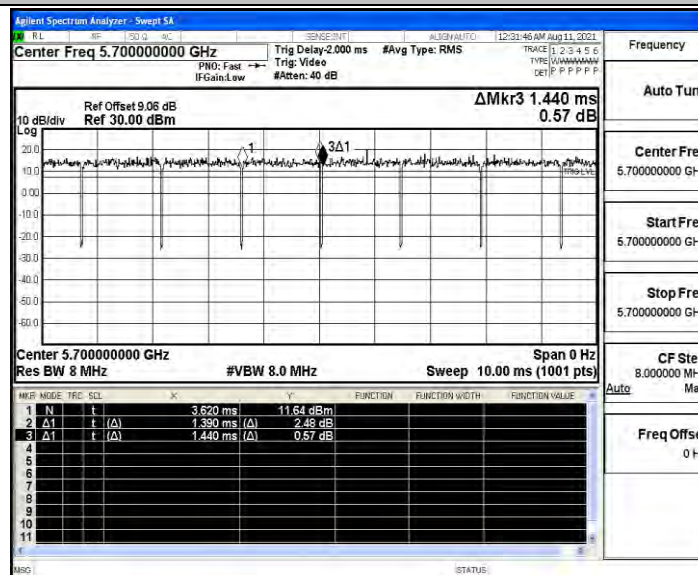
11A_Ant1_5500



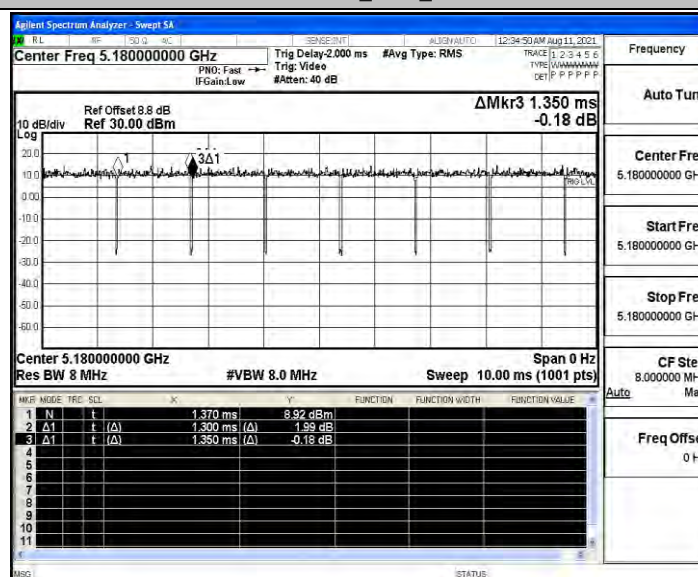
11A_Ant1_5580



11A_Ant1_5700

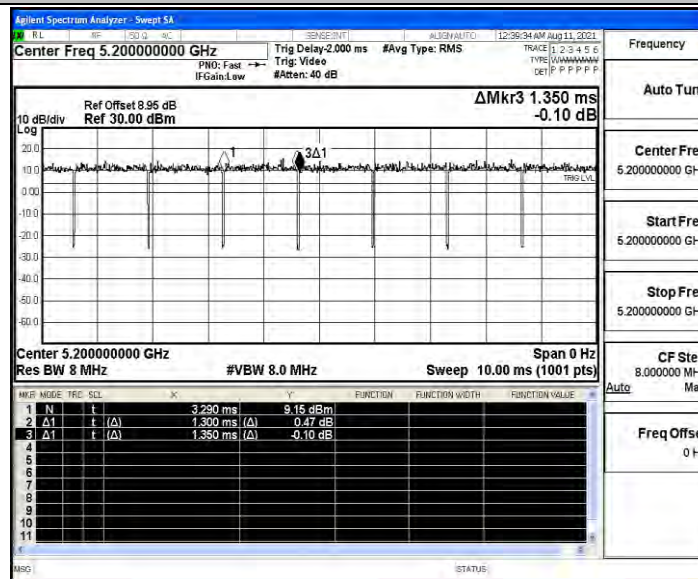


11N20SISO_Ant1_5180

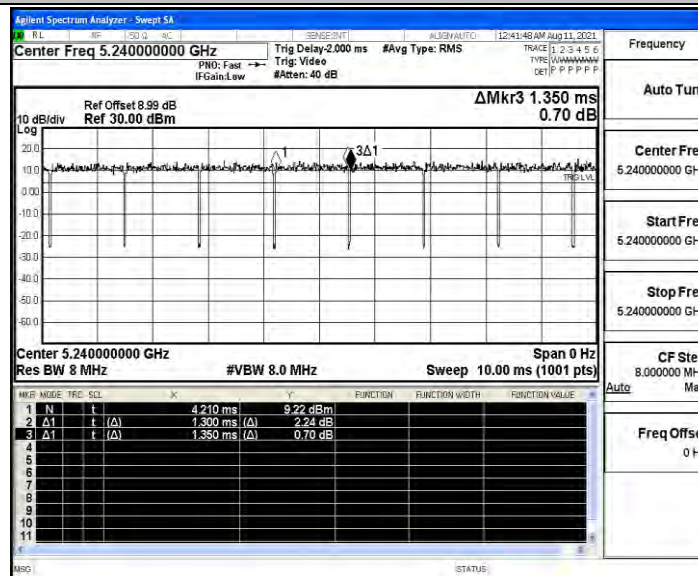




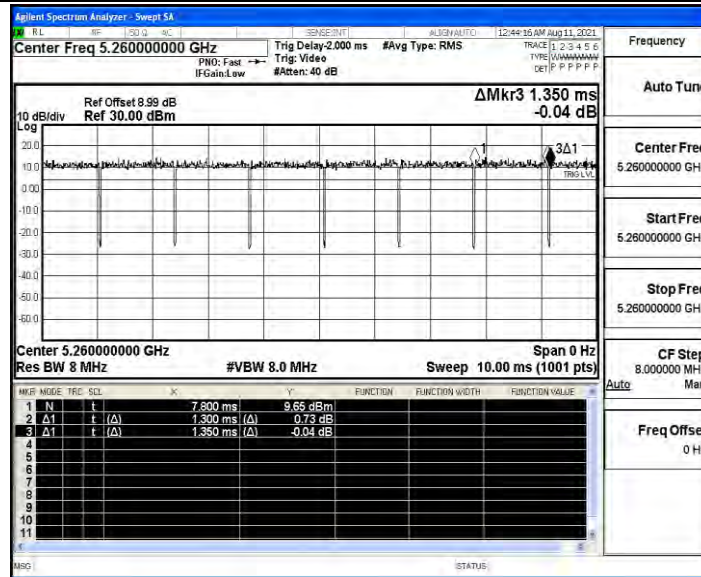
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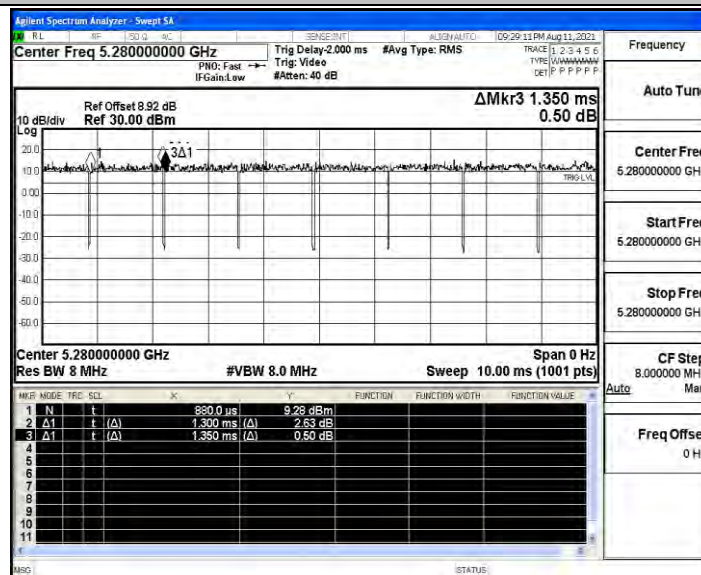
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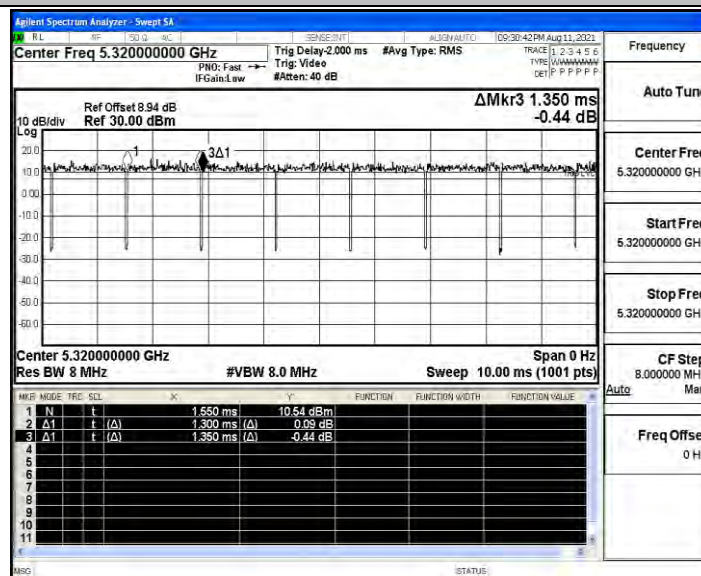
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11N20SISO_Ant1_5280

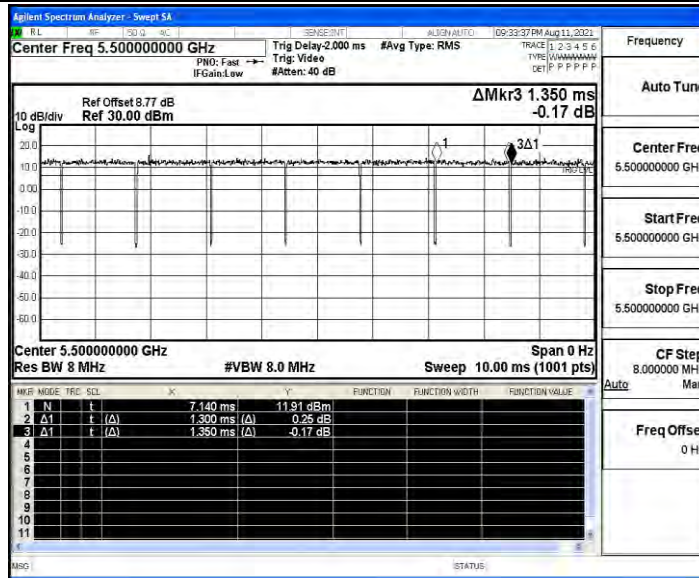


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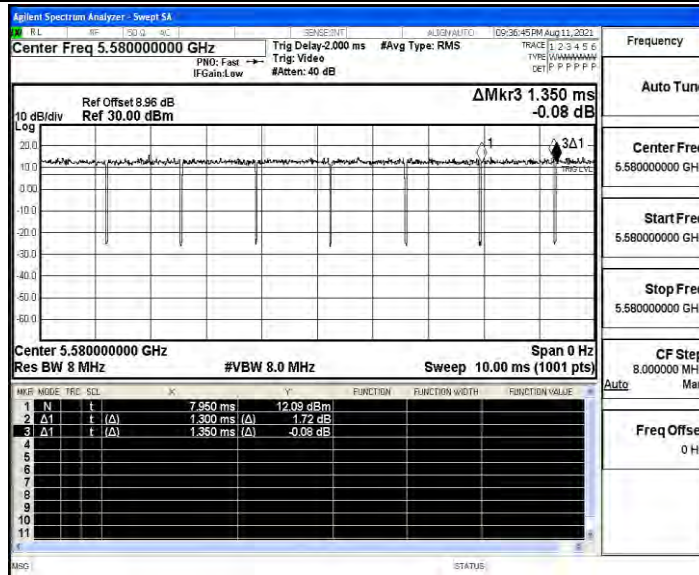




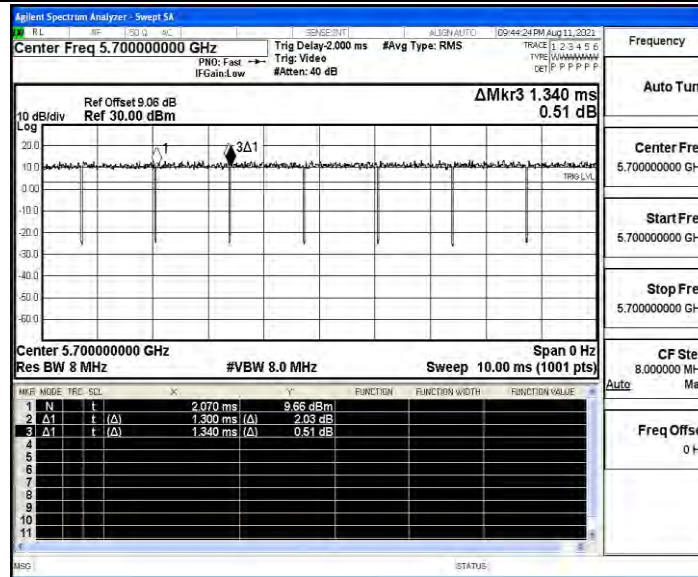
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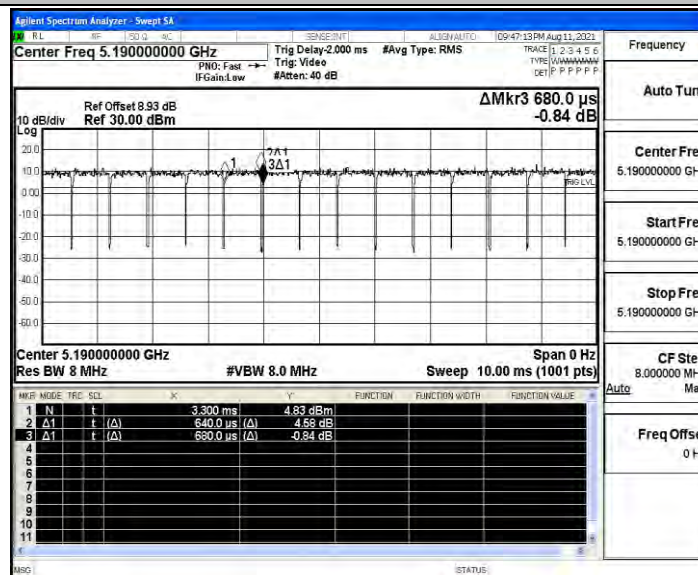
11N20SISO_Ant1_5580



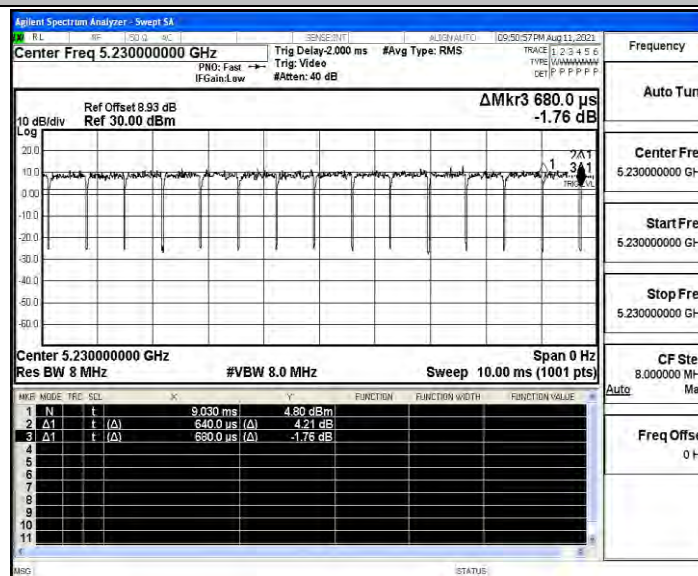
11N20SISO_Ant1_5700



11N40SISO_Ant1_5190

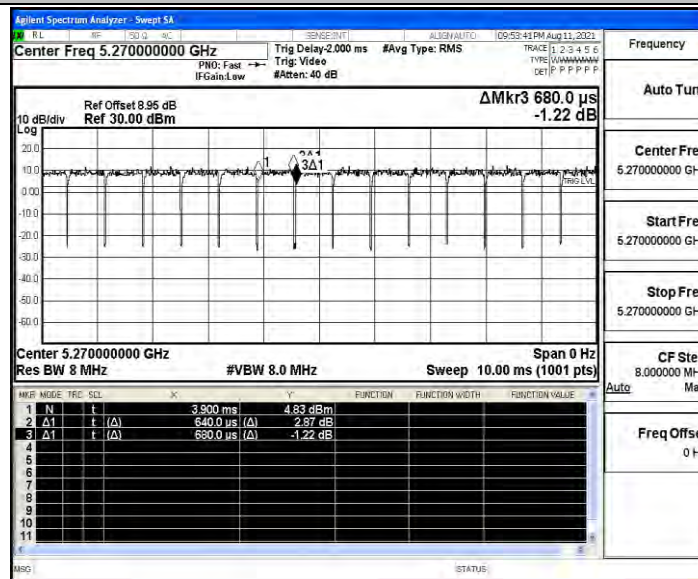


11N40SISO_Ant1_5230

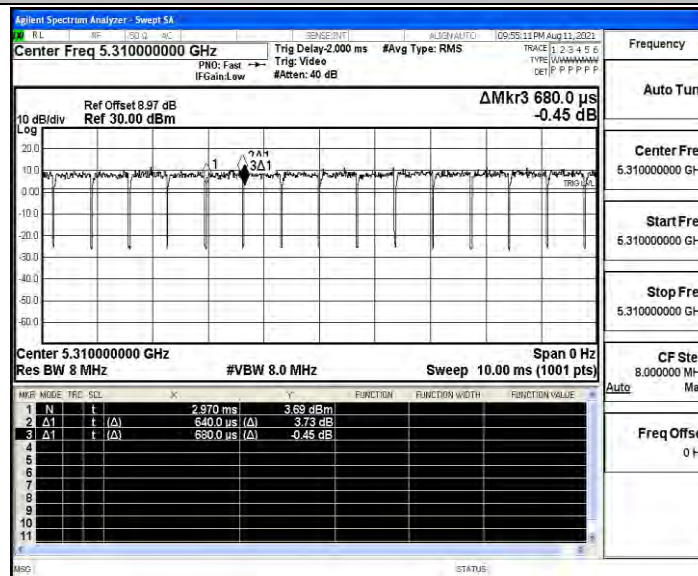




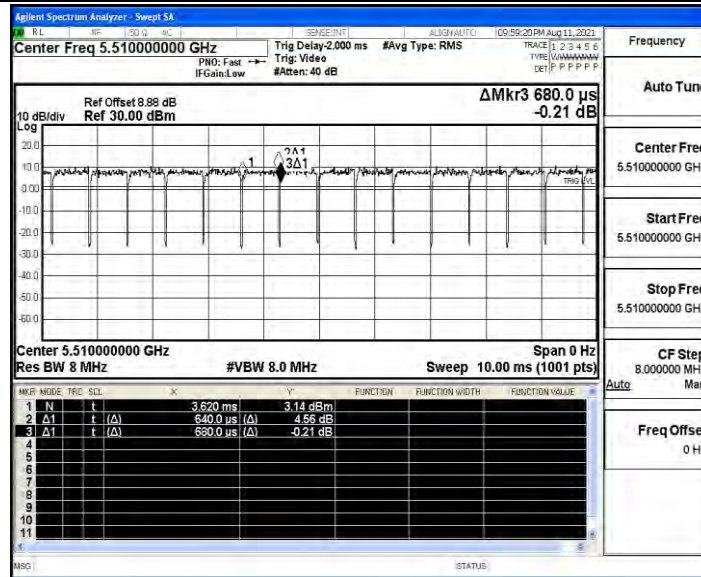
11N40SISO_Ant1_5270



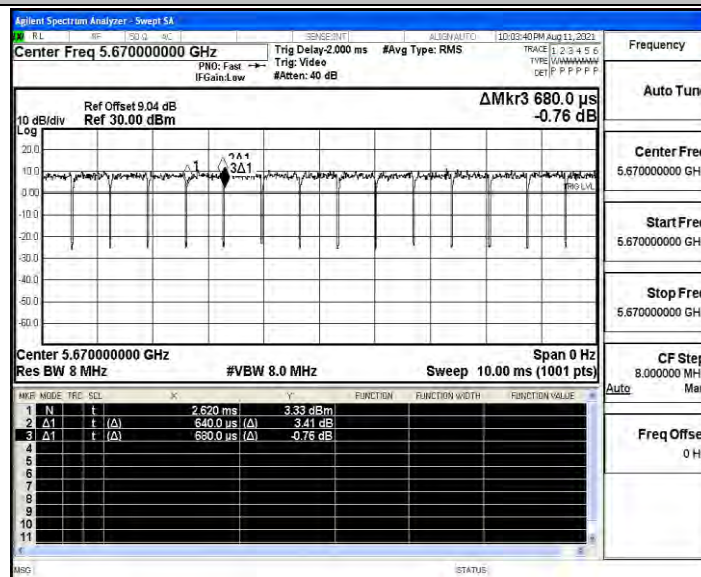
11N40SISO_Ant1_5310



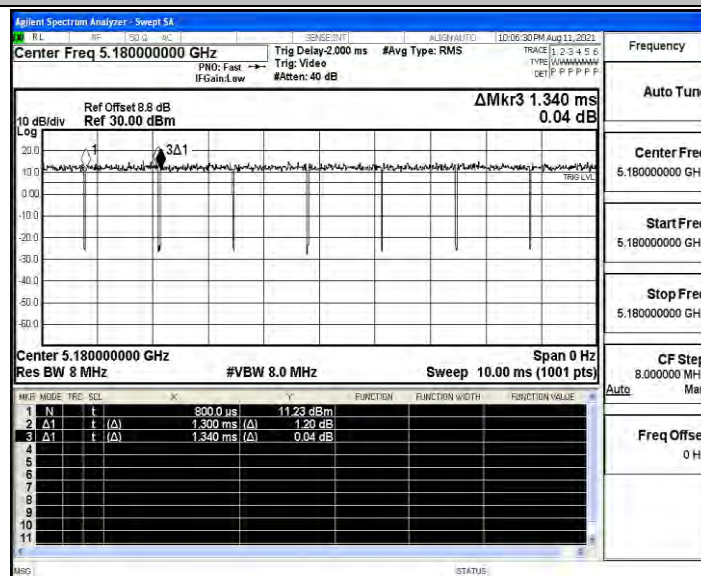
11N40SISO_Ant1_5510



11N40SISO_Ant1_5670

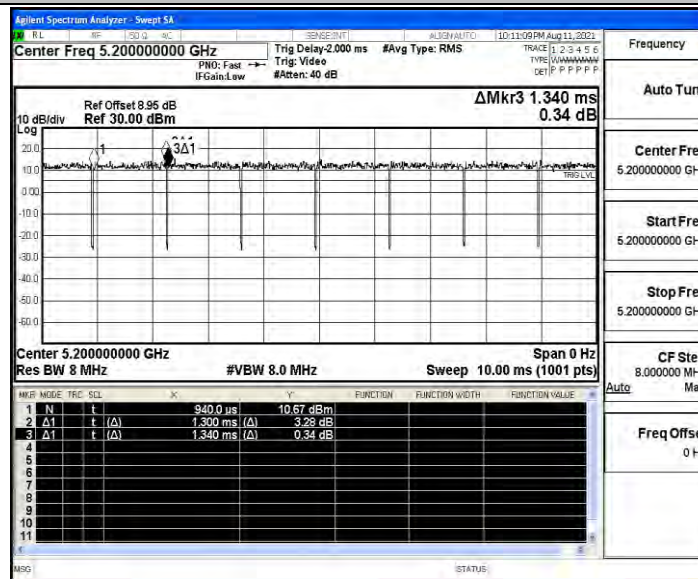


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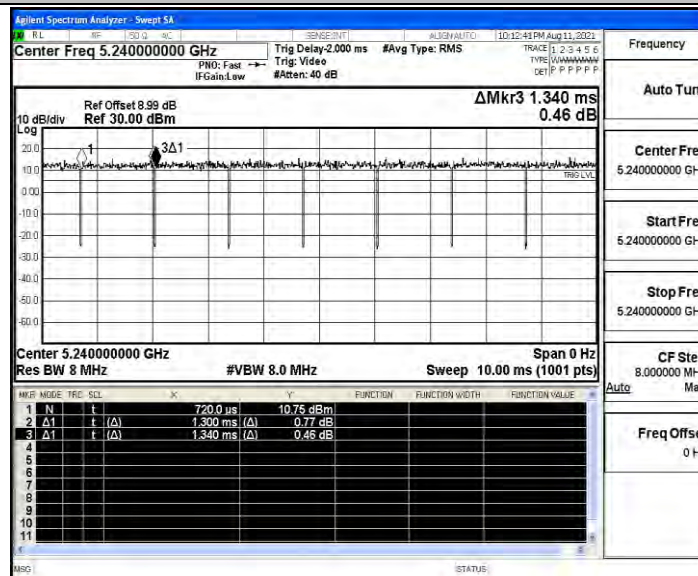




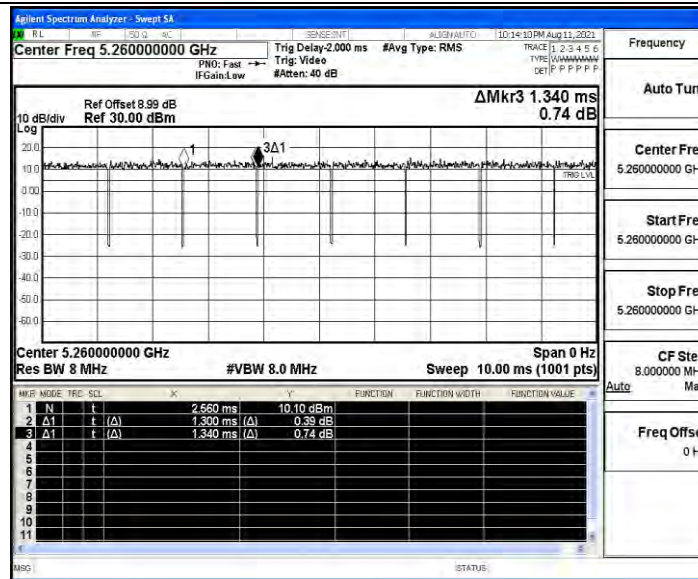
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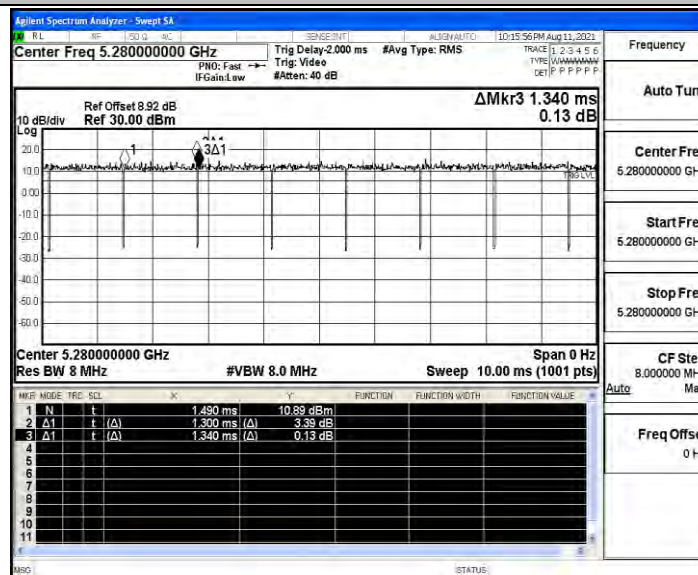
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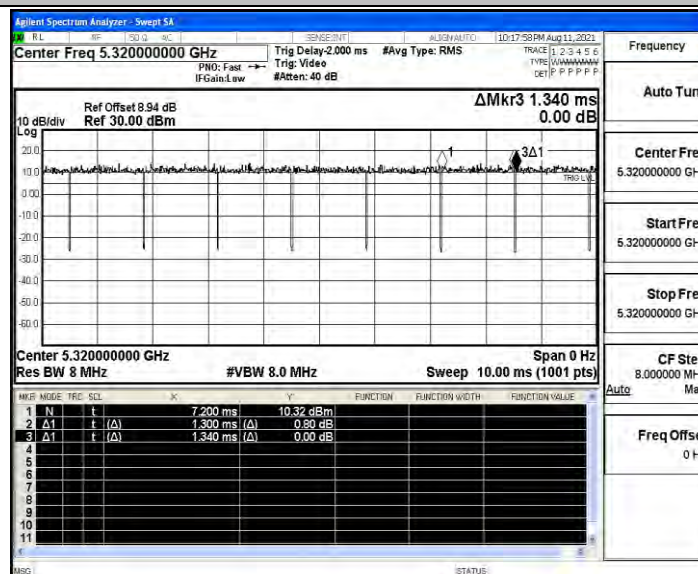
11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280

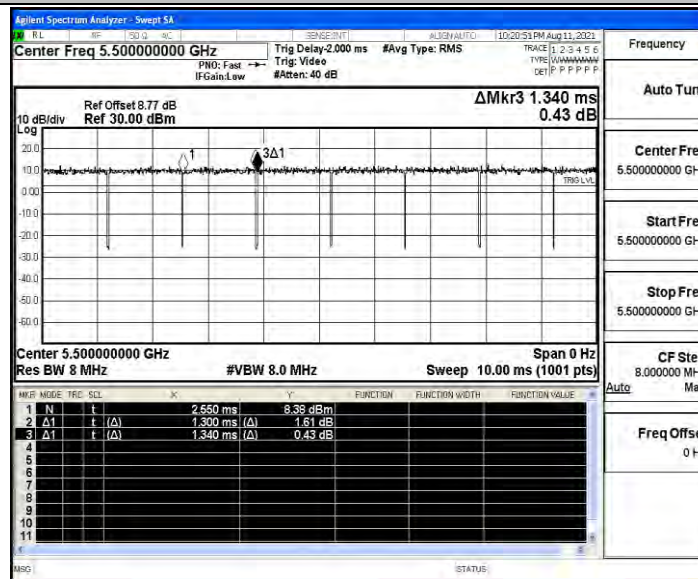


11AC20SISO_Ant1_5320

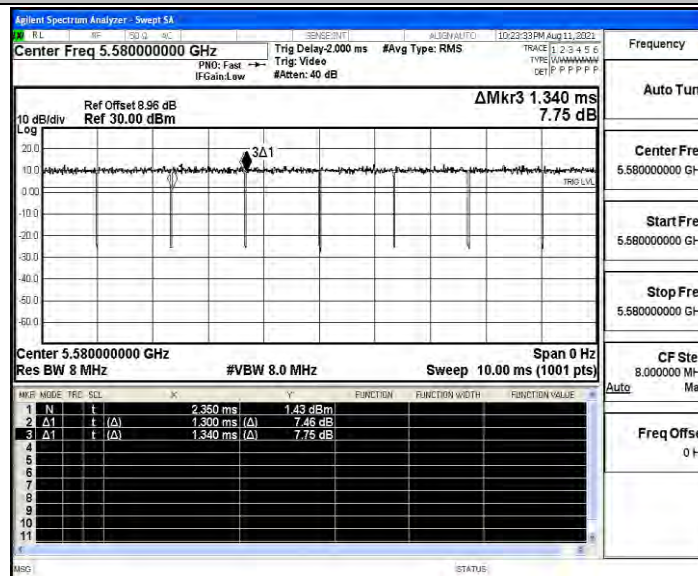




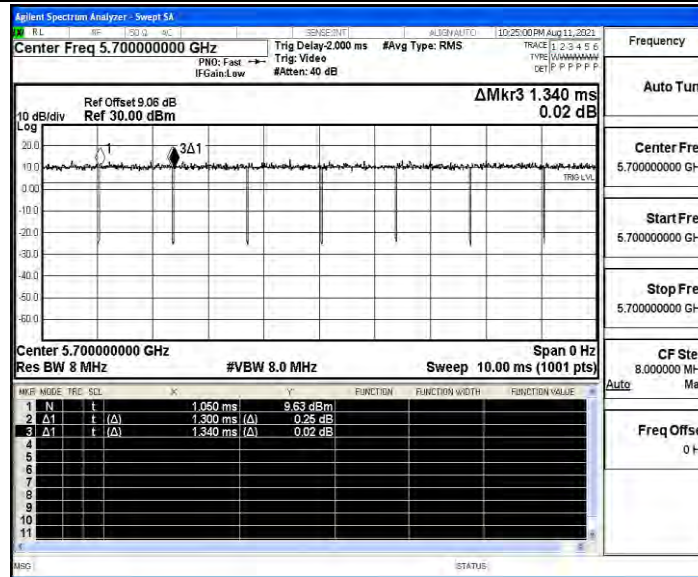
11AC20SISO_Ant1_5500



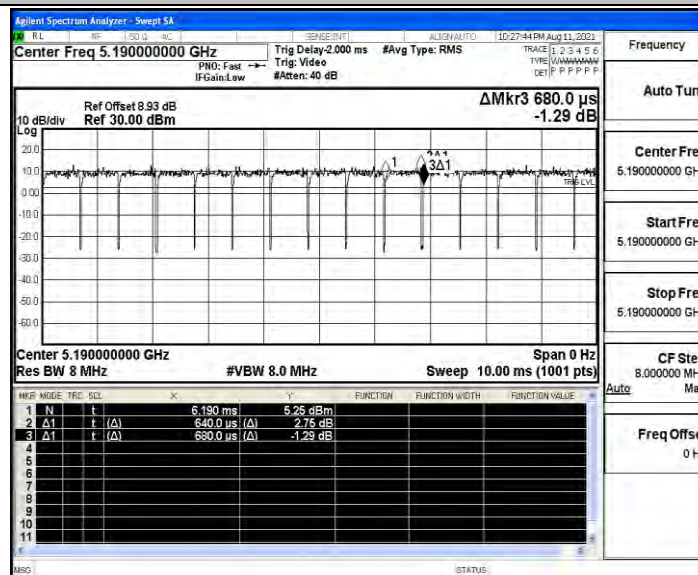
11AC20SISO_Ant1_5580



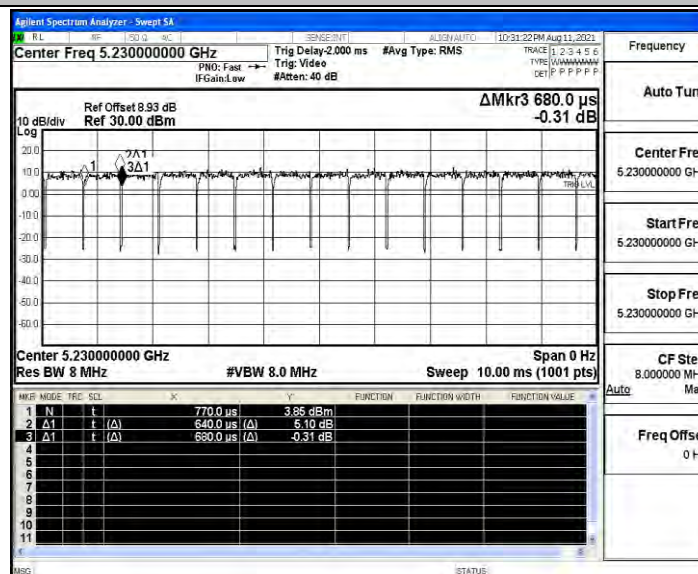
11AC20SISO_Ant1_5700



11AC40SISO_Ant1_5190

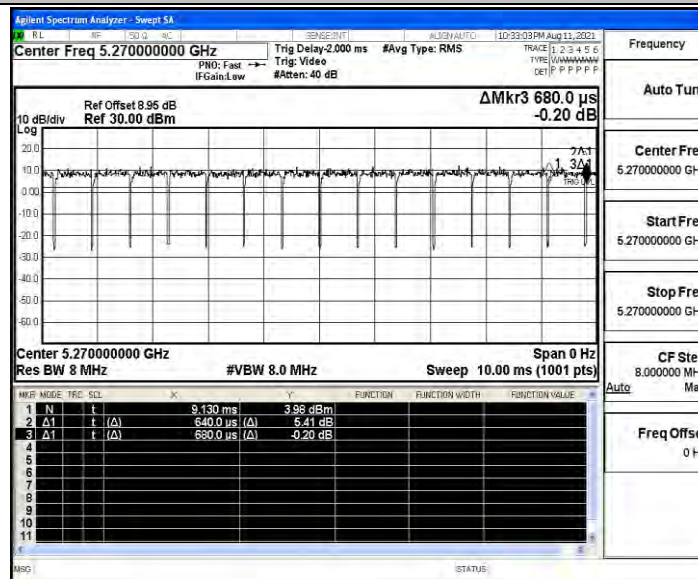


11AC40SISO_Ant1_5230

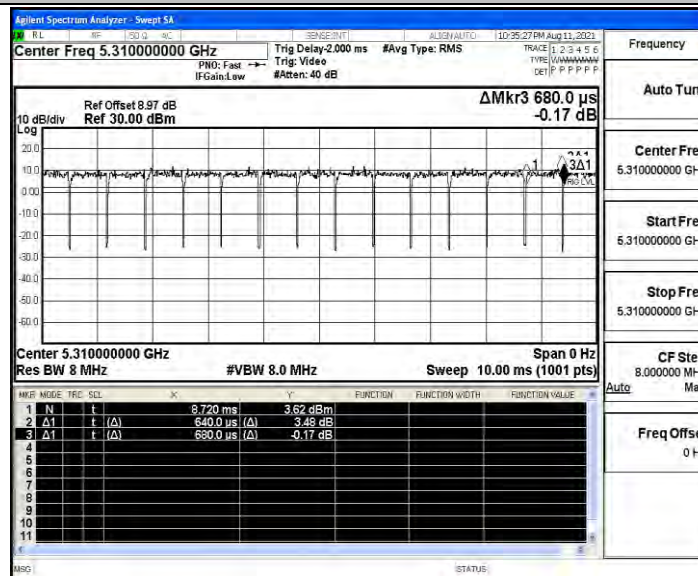




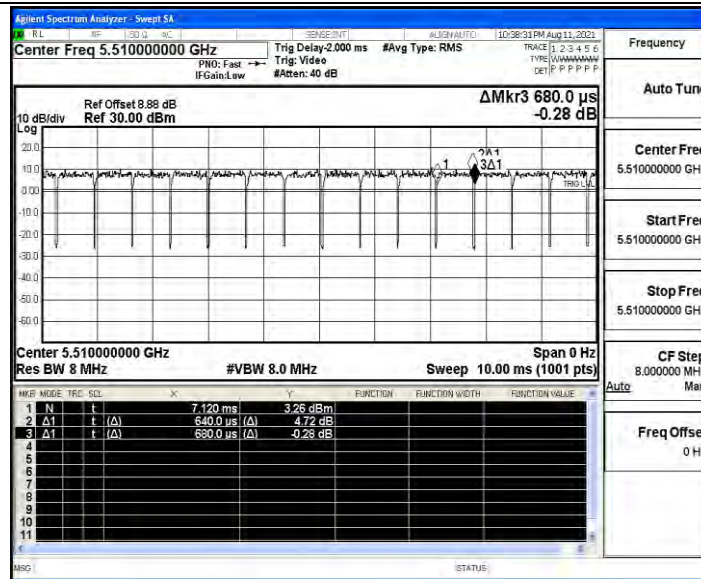
11AC40SISO_Ant1_5270



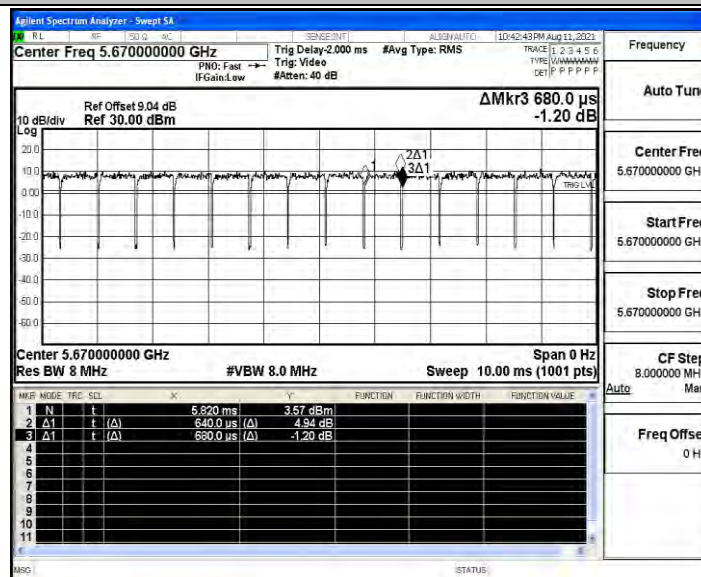
11AC40SISO_Ant1_5310



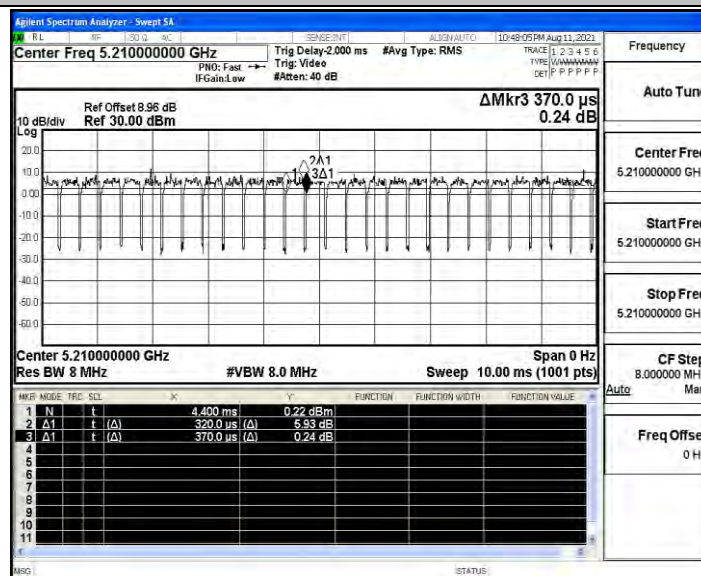
11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5670

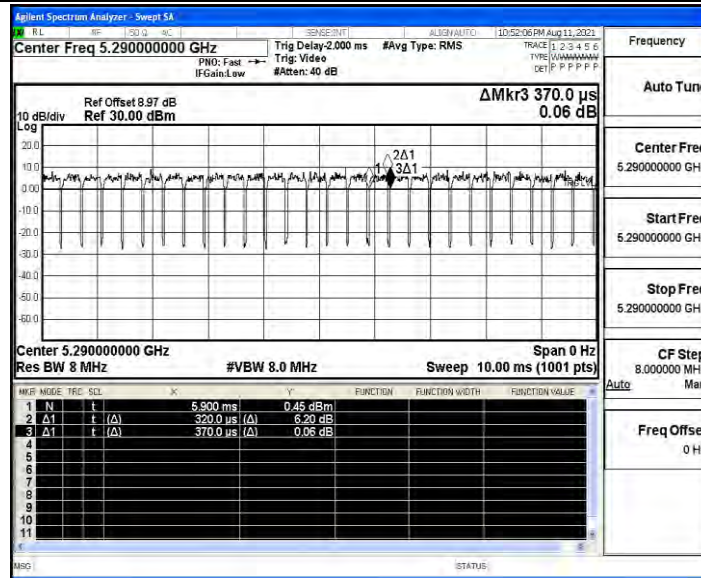


11AC80SISO_Ant1_5210

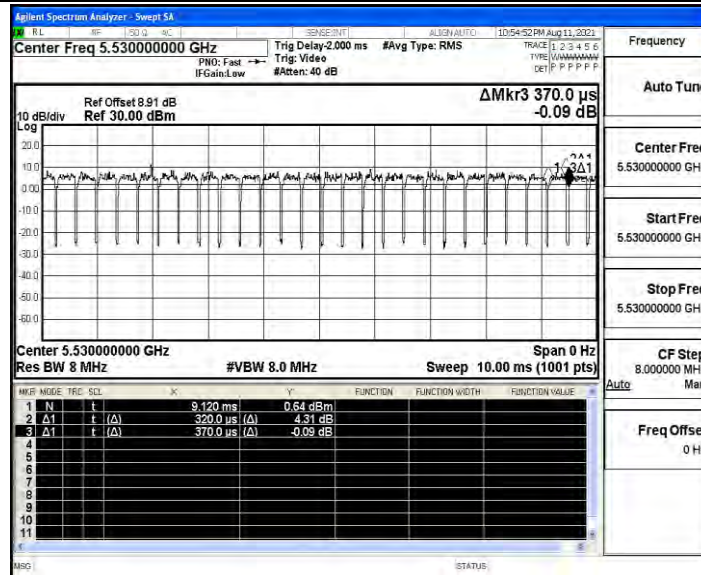




11AC80SISO_Ant1_5290



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610

FCC ID: 2A2W2-LAVAME3



C.2 Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	6.68	≤ 23.98	PASS
		5200	5.32	≤ 23.98	PASS
		5240	6.39	≤ 23.98	PASS
		5260	6.85	≤ 23.98	PASS
		5280	6.65	≤ 23.98	PASS
		5320	6.31	≤ 23.98	PASS
		5500	6.83	≤ 23.96	PASS
		5580	6.39	≤ 23.98	PASS
		5700	6.45	≤ 23.98	PASS
11N20SISO	Ant1	5180	6.51	≤ 23.98	PASS
		5200	6.83	≤ 23.98	PASS
		5240	7.02	≤ 23.98	PASS
		5260	7.10	≤ 23.98	PASS
		5280	7.52	≤ 23.98	PASS
		5320	7.43	≤ 23.98	PASS
		5500	7.26	≤ 23.66	PASS
		5580	7.52	≤ 23.66	PASS
		5700	7.31	≤ 23.98	PASS
11N40SISO	Ant1	5190	7.01	≤ 23.98	PASS
		5230	7.57	≤ 23.98	PASS
		5270	7.58	≤ 23.98	PASS
		5310	7.34	≤ 23.98	PASS
		5510	7.40	≤ 23.98	PASS
		5590	7.40	≤ 23.98	PASS
		5670	7.51	≤ 23.98	PASS
11AC20SISO	Ant1	5180	7.56	≤ 23.98	PASS
		5200	7.33	≤ 23.98	PASS
		5240	7.69	≤ 23.98	PASS
		5260	7.32	≤ 23.98	PASS
		5280	7.16	≤ 23.98	PASS
		5320	7.28	≤ 23.98	PASS
		5500	6.19	≤ 23.98	PASS
		5580	6.39	≤ 23.98	PASS
		5700	6.87	≤ 23.98	PASS
11AC40SISO	Ant1	5190	7.32	≤ 23.98	PASS
		5230	7.44	≤ 23.98	PASS
		5270	7.16	≤ 23.98	PASS
		5310	7.35	≤ 23.98	PASS



		5510	7.37	≤ 23.98	PASS
		5590	7.01	≤ 23.98	PASS
		5670	7.43	≤ 23.98	PASS
11AC80SISO	Ant1	5210	7.38	≤ 23.98	PASS
		5290	7.43	≤ 23.98	PASS
		5530	7.69	≤ 23.98	PASS
		5610	7.07	≤ 23.98	PASS

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



C.3 Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	-3.55	≤ 11	PASS
		5200	-4.86	≤ 11	PASS
		5240	-3.82	≤ 11	PASS
		5260	-3.42	≤ 11	PASS
		5280	-3.52	≤ 11	PASS
		5320	-4.00	≤ 11	PASS
		5500	-3.32	≤ 11	PASS
		5580	-1.49	≤ 11	PASS
		5700	-0.86	≤ 11	PASS
11N20SISO	Ant1	5180	-3.88	≤ 11	PASS
		5200	-3.21	≤ 11	PASS
		5240	-3.35	≤ 11	PASS
		5260	-3.19	≤ 11	PASS
		5280	-2.84	≤ 11	PASS
		5320	-2.97	≤ 11	PASS
		5500	4.82	≤ 11	PASS
		5580	5.13	≤ 11	PASS
		5700	-3.12	≤ 11	PASS
11N40SISO	Ant1	5190	-4.99	≤ 11	PASS
		5230	-5.28	≤ 11	PASS
		5270	-5.31	≤ 11	PASS
		5310	-5.96	≤ 11	PASS
		5510	-6.2	≤ 11	PASS
		5590	-6.95	≤ 11	PASS
		5670	-6.39	≤ 11	PASS
11AC20SISO	Ant1	5180	-1.66	≤ 11	PASS
		5200	-1.77	≤ 11	PASS
		5240	-1.57	≤ 11	PASS
		5260	-2.42	≤ 11	PASS
		5280	-2.21	≤ 11	PASS
		5320	-3.13	≤ 11	PASS
		5500	-4.33	≤ 11	PASS
		5580	-3.86	≤ 11	PASS
		5700	-3.29	≤ 11	PASS
11AC40SISO	Ant1	5190	-5.15	≤ 11	PASS
		5230	-5.32	≤ 11	PASS
		5270	-5.71	≤ 11	PASS



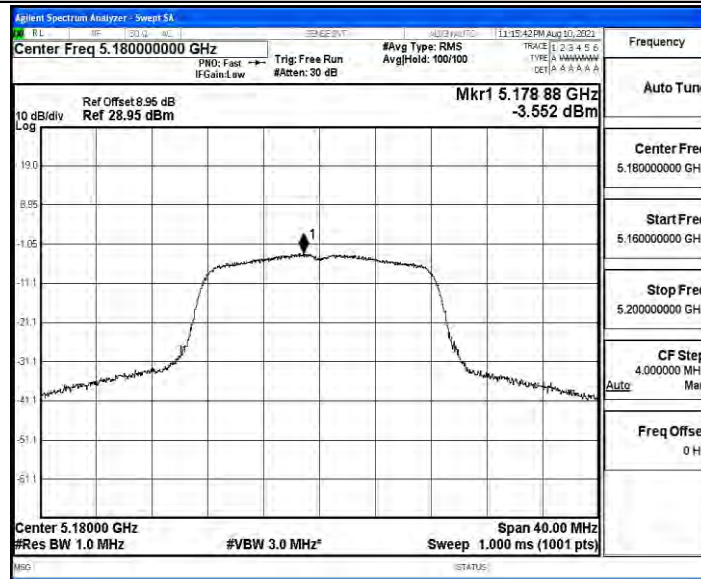
		5310	-5.75	≤ 11	PASS
		5510	-6.5	≤ 11	PASS
		5590	-6.68	≤ 11	PASS
		5670	-6.41	≤ 11	PASS
11AC80SISO	Ant1	5210	-8.82	≤ 11	PASS
		5290	-9.26	≤ 11	PASS
		5530	-8.78	≤ 11	PASS
		5610	-8.24	≤ 11	PASS

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

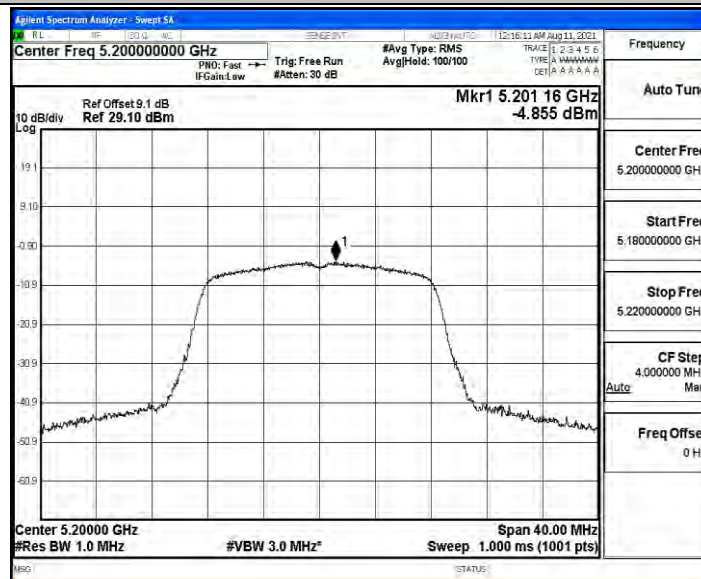


Test Graphs

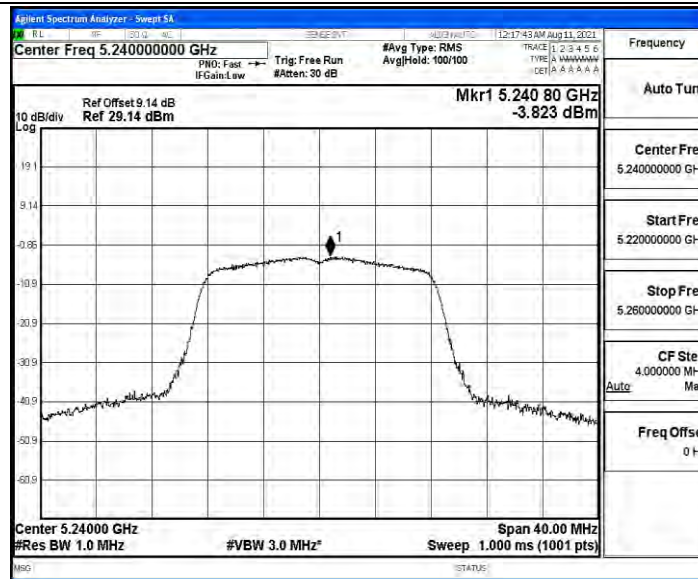
11A_Ant1_5180



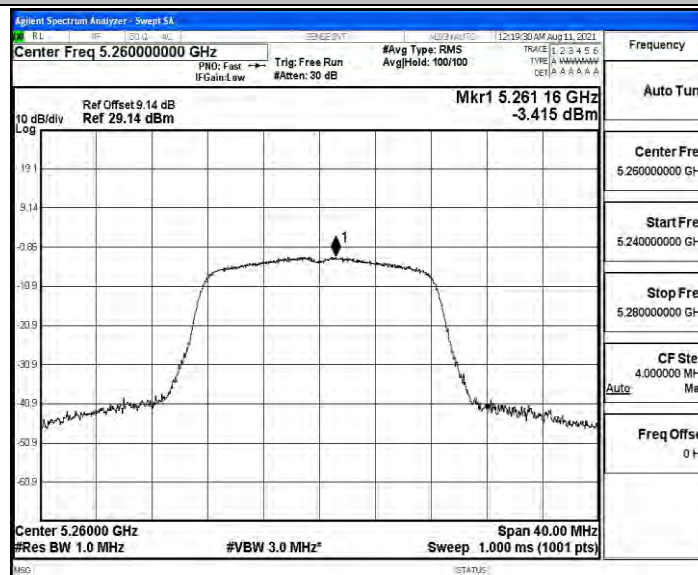
11A_Ant1_5200



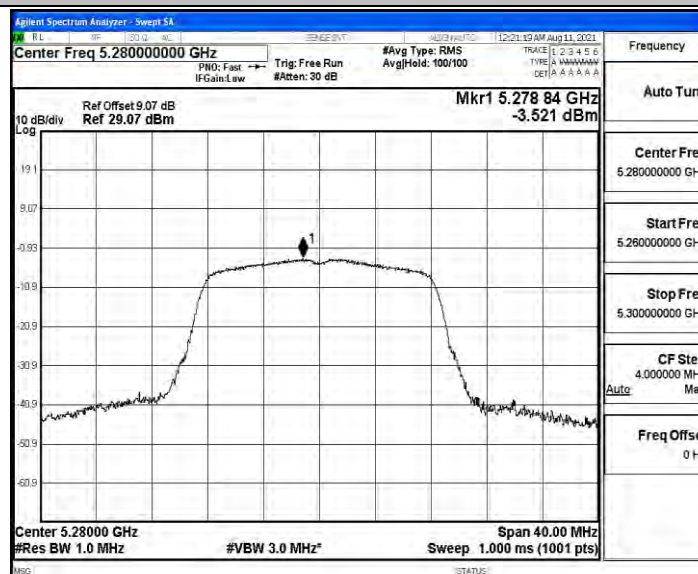
11A_Ant1_5240



11A_Ant1_5260

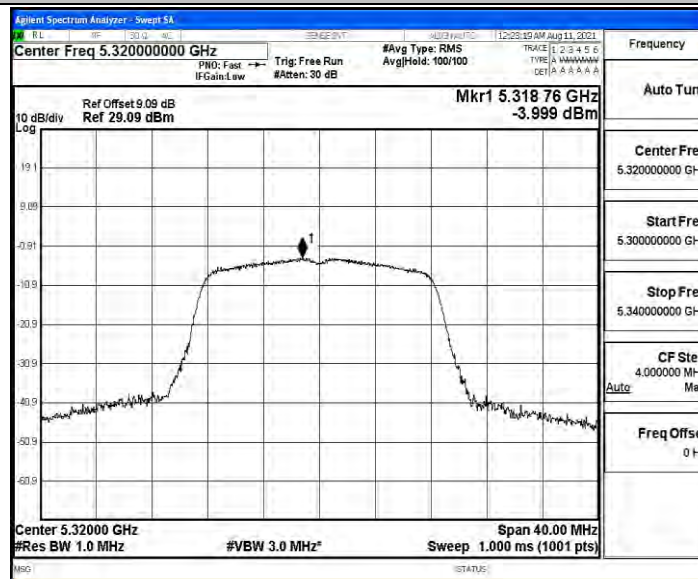


11A_Ant1_5280

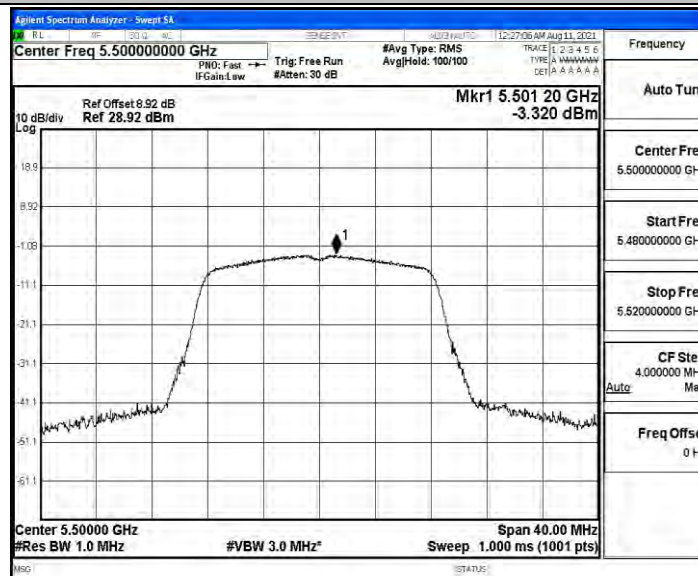




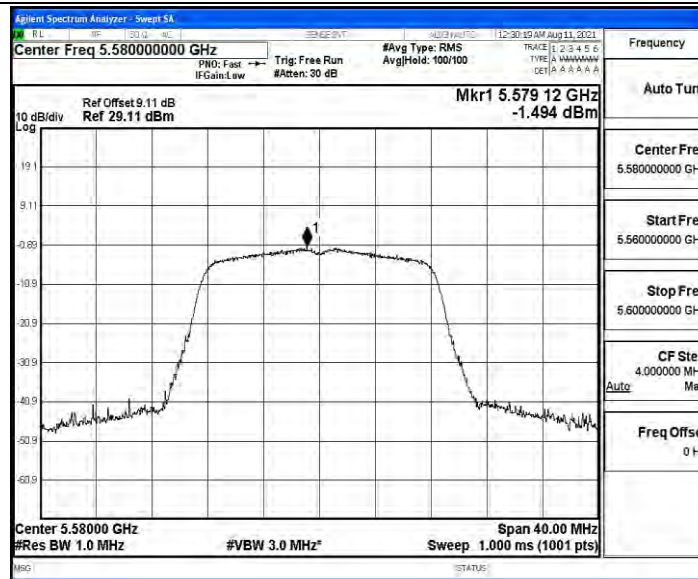
11A_Ant1_5320



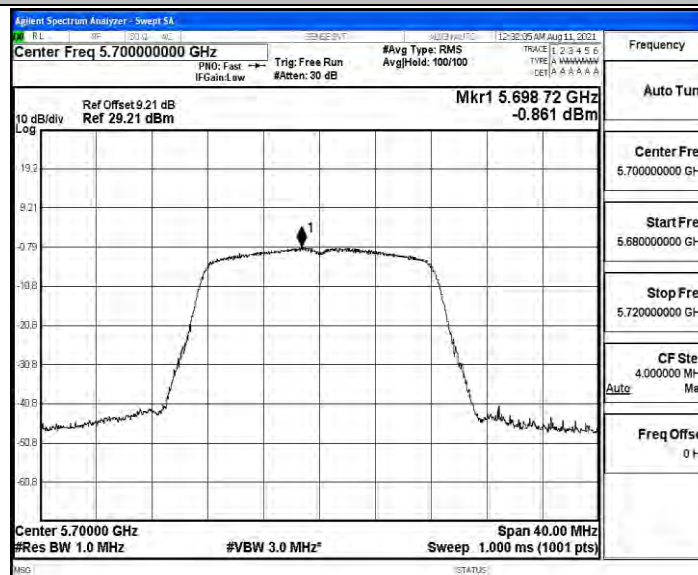
11A_Ant1_5500



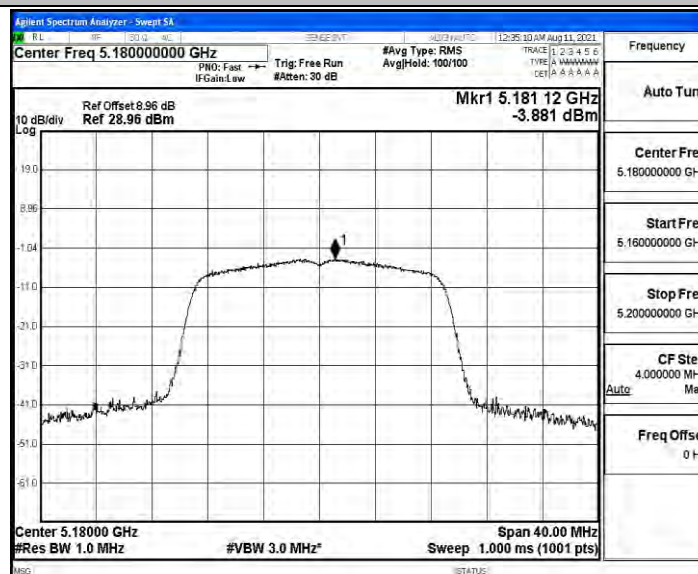
11A_Ant1_5580



11A_Ant1_5700

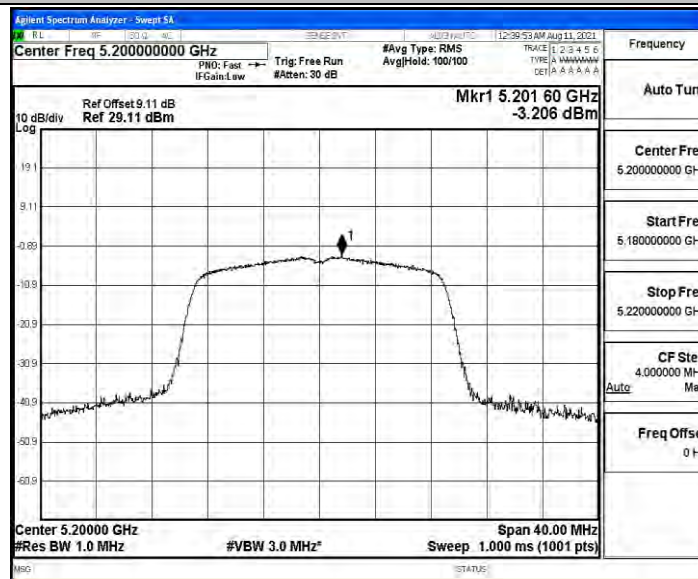


11N20SISO_Ant1_5180

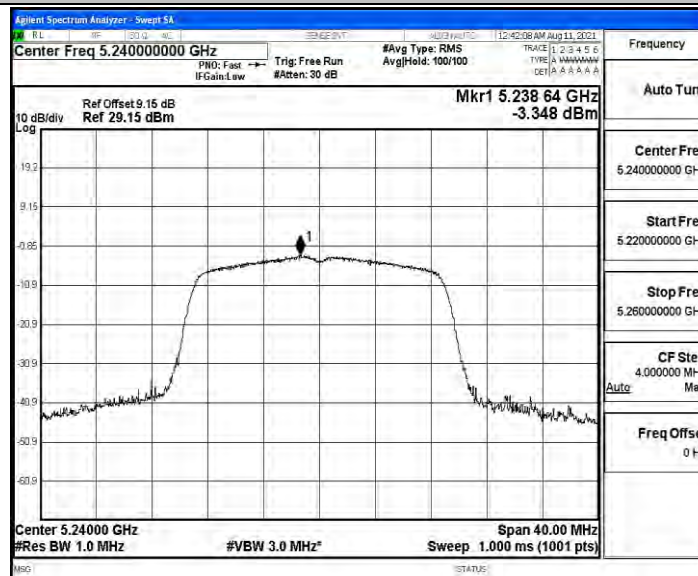




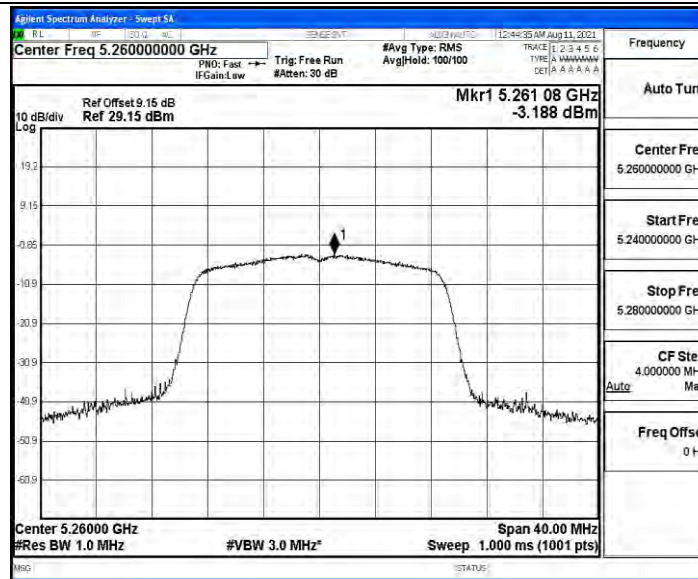
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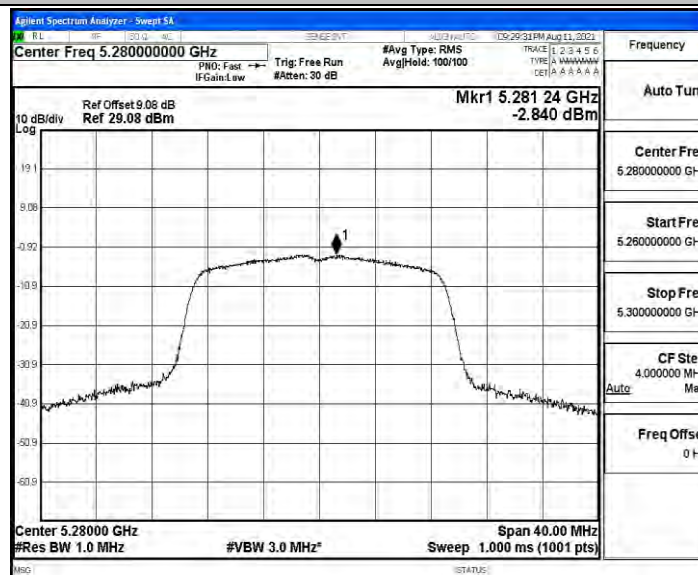
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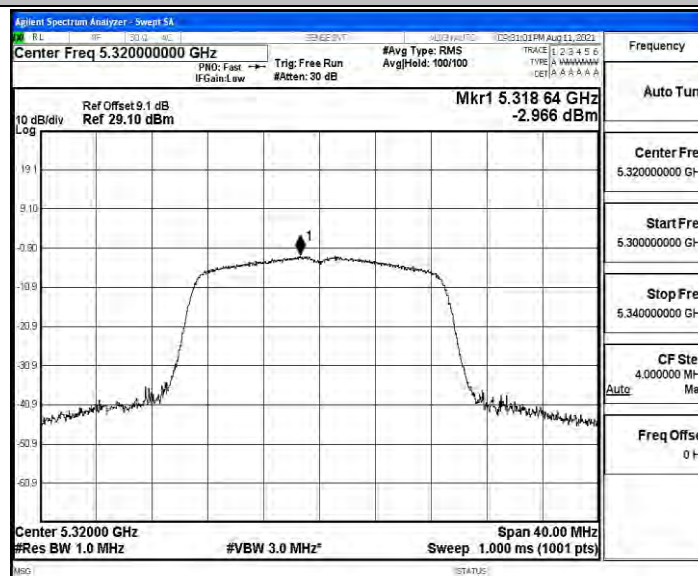
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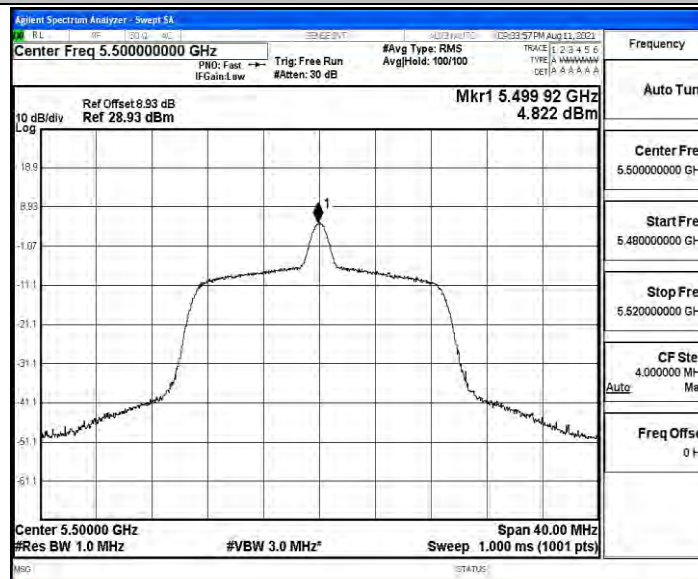


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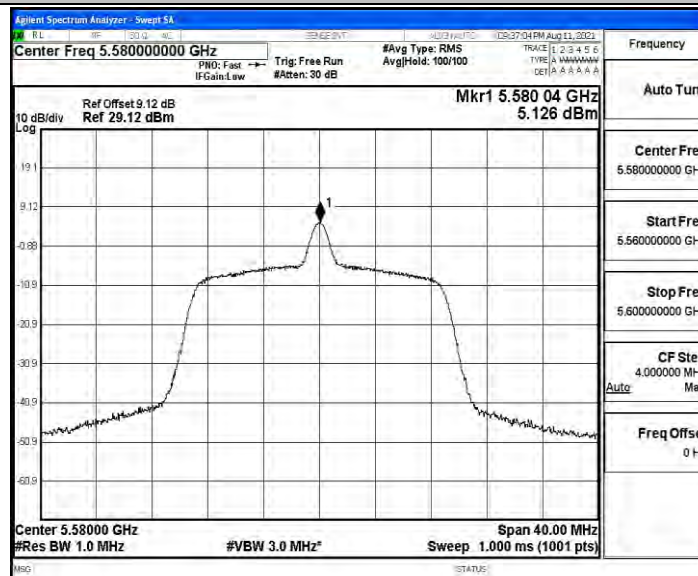




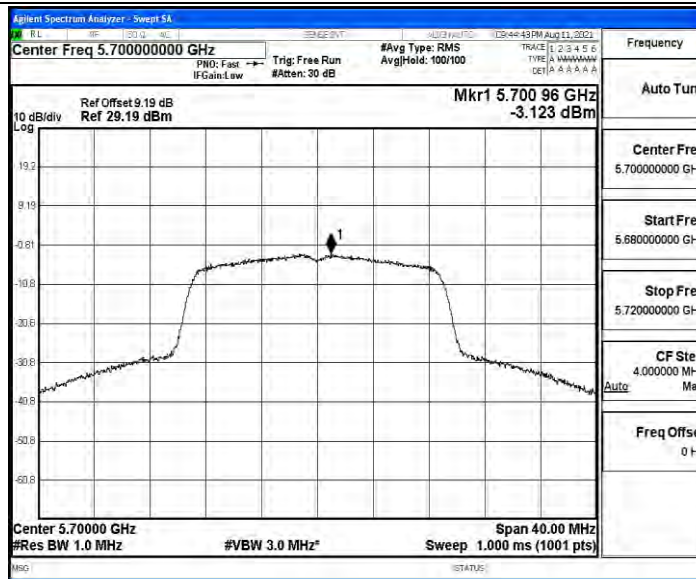
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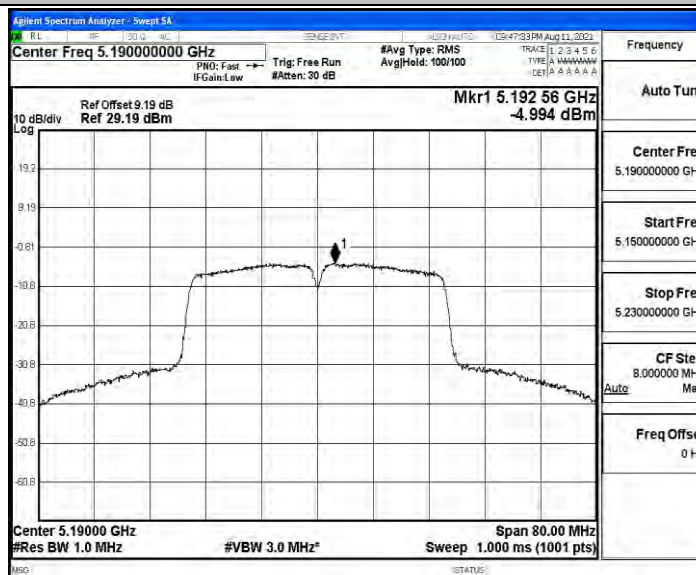
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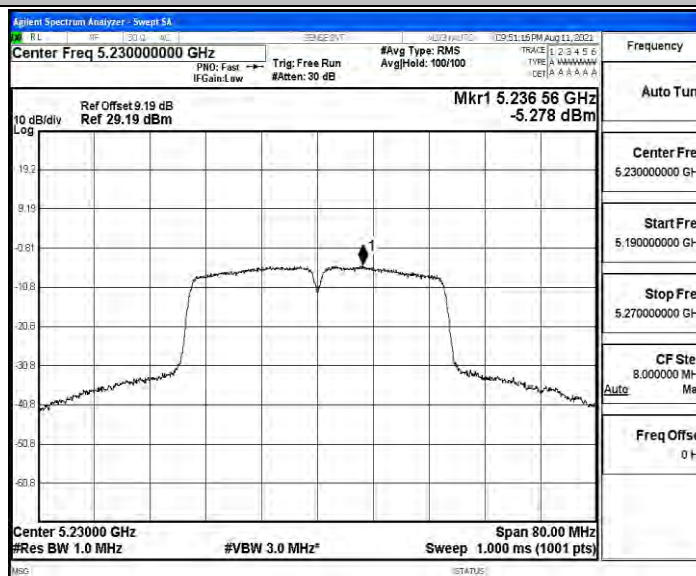
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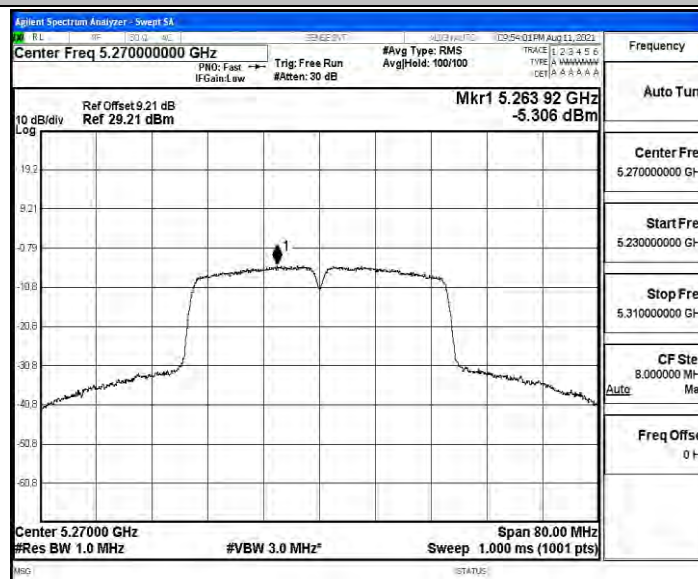


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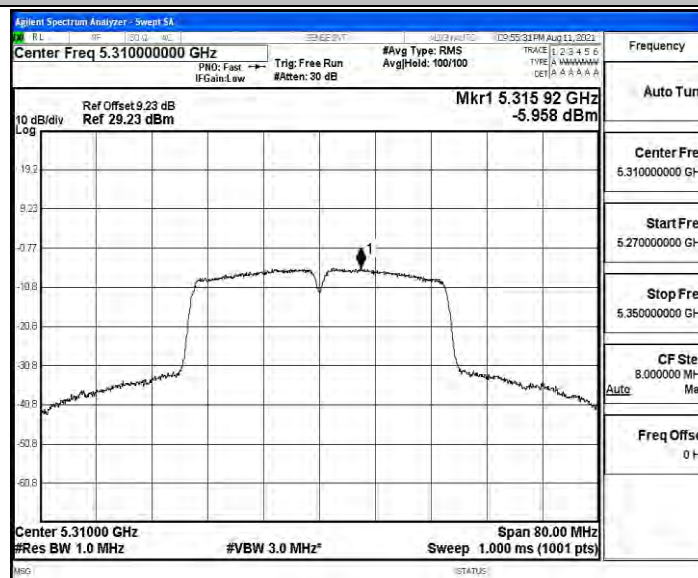




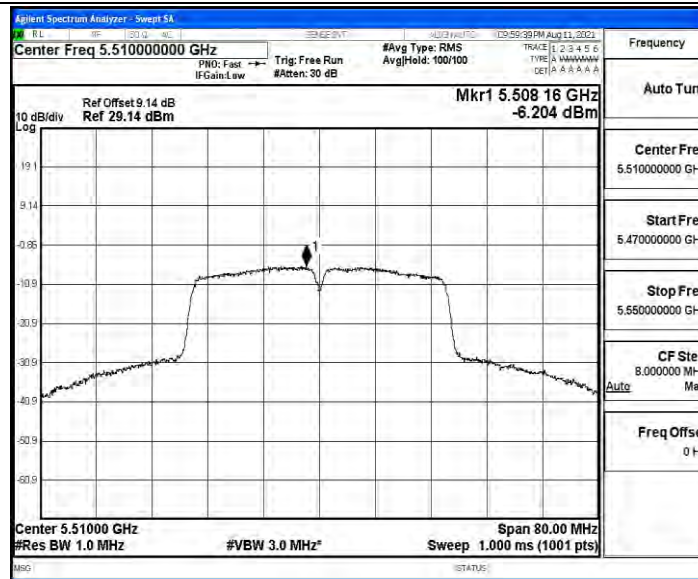
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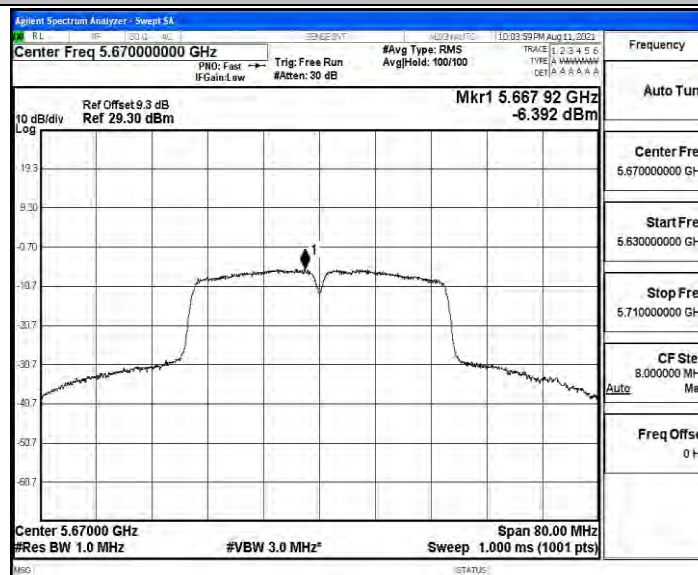
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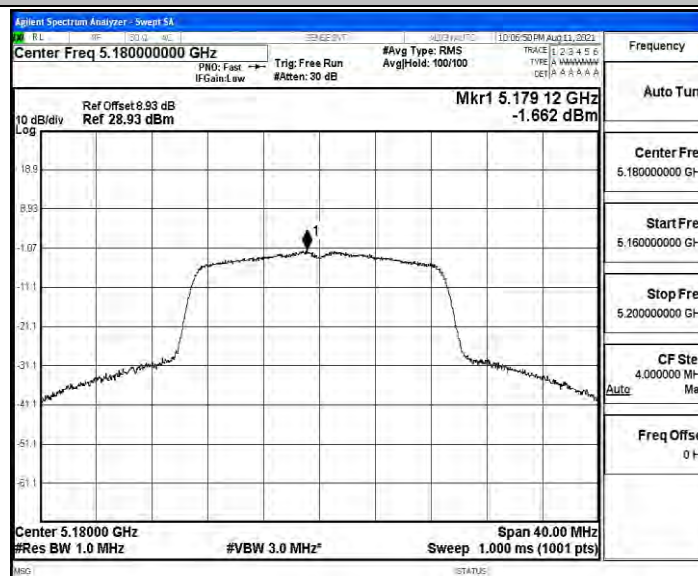
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11N40SISO_Ant1_5670

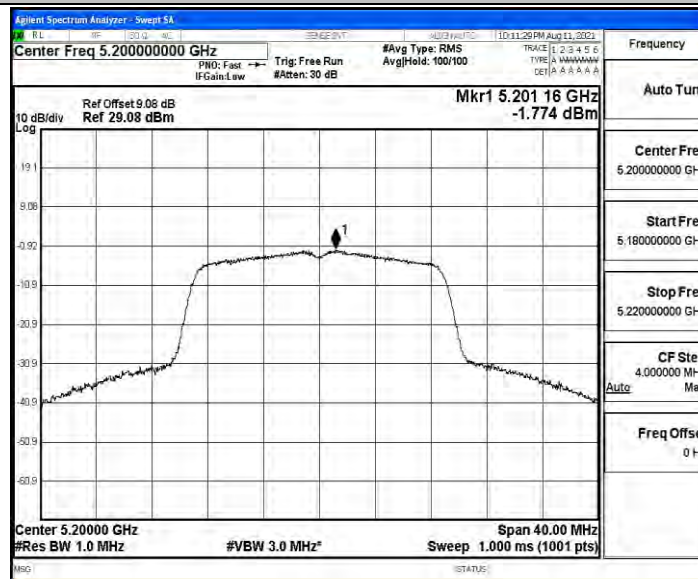


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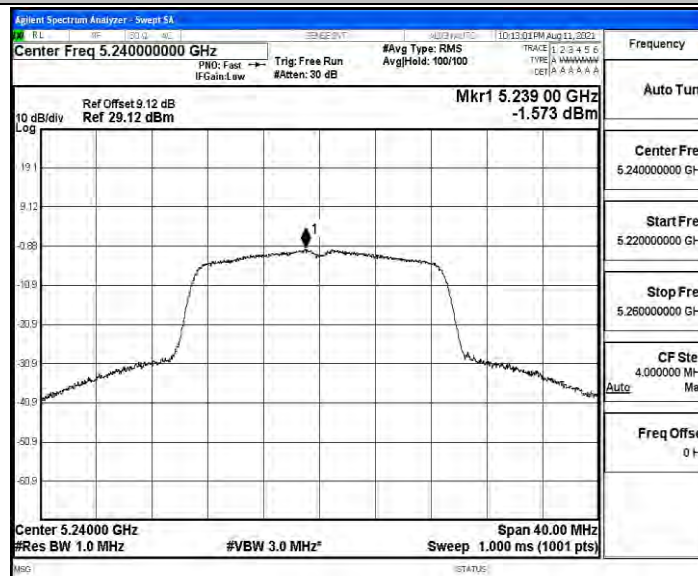




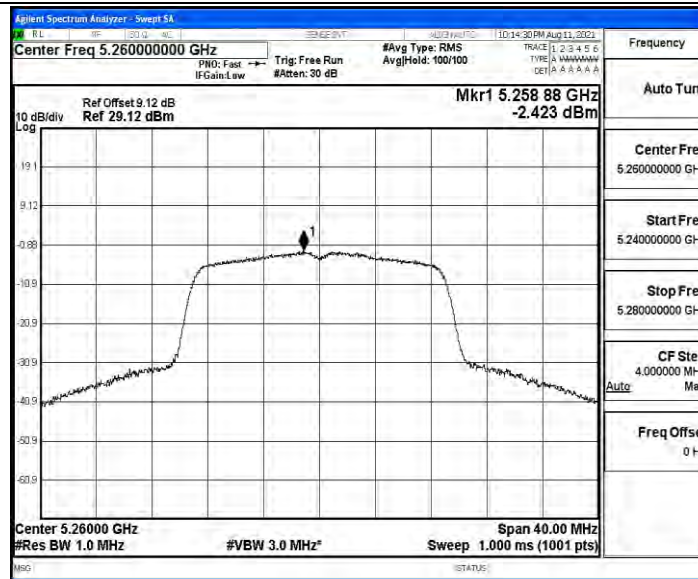
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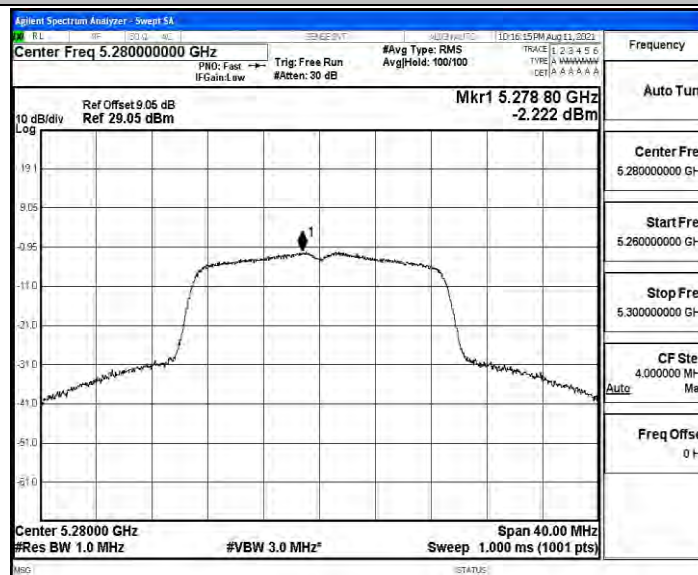
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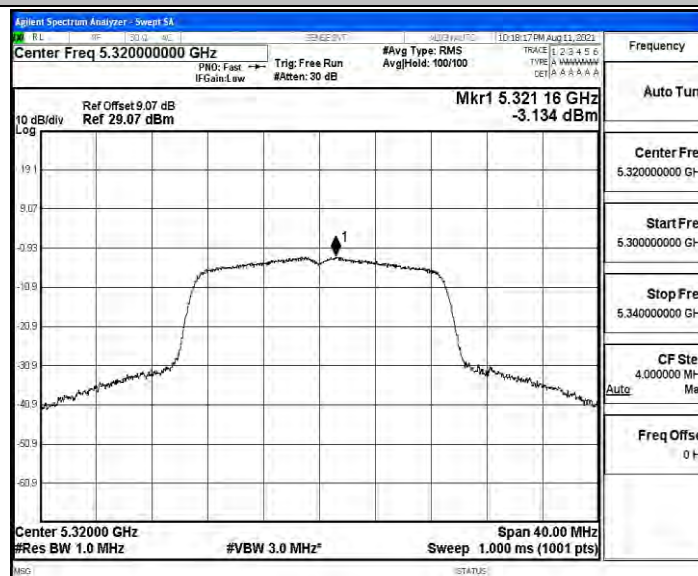
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11AC20SISO_Ant1_5280

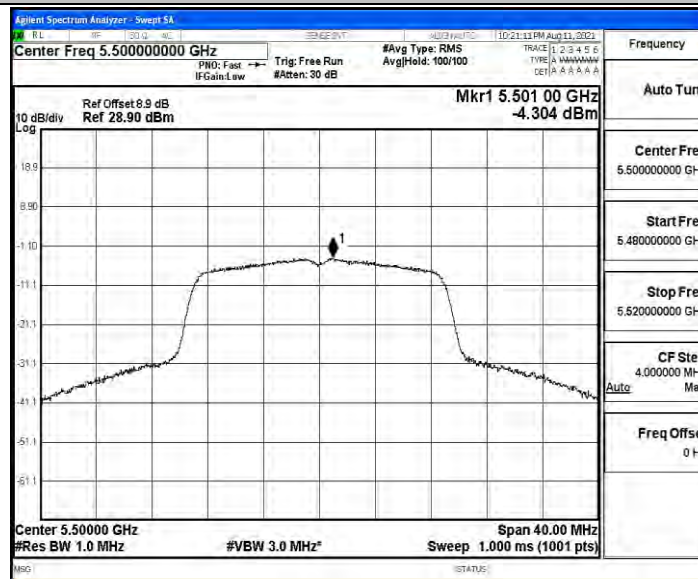


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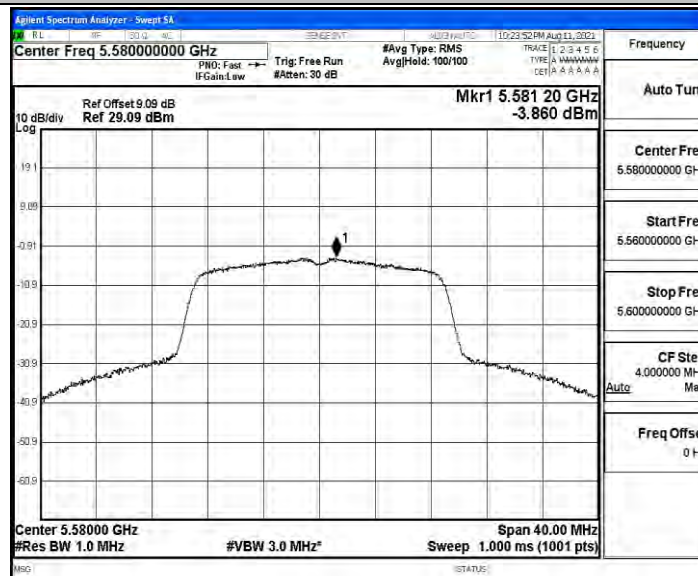




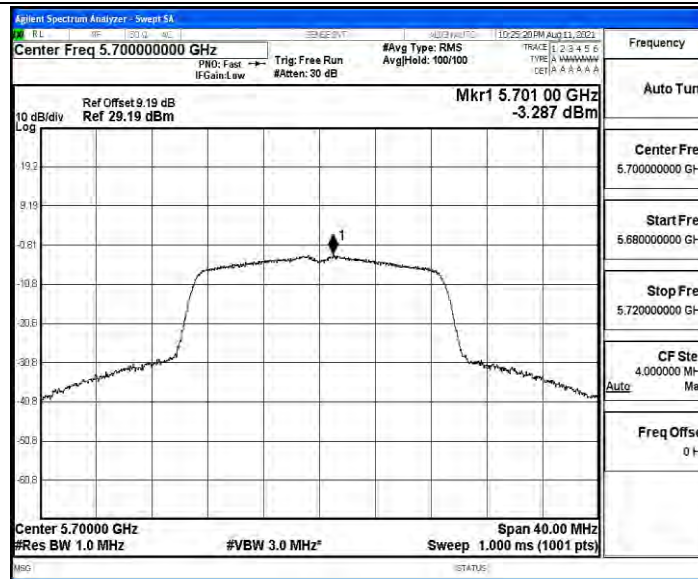
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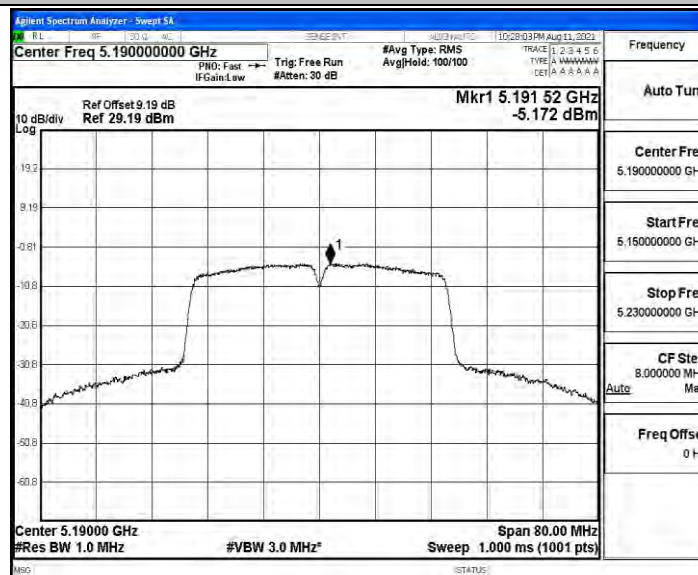
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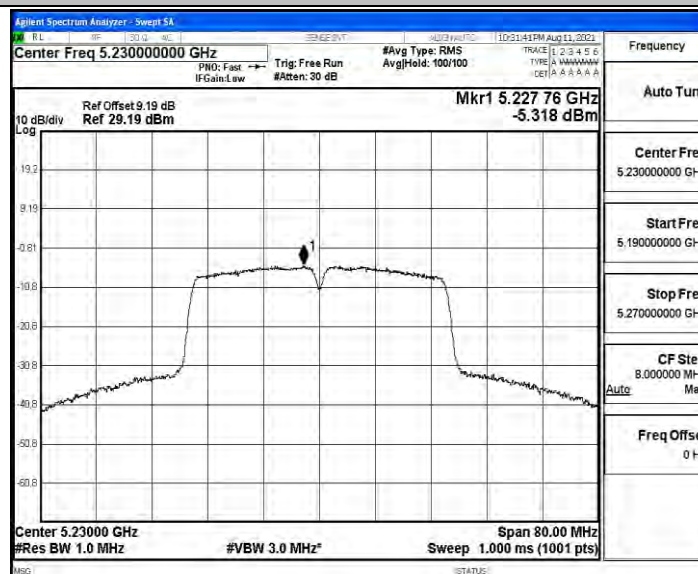
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11AC40SISO_Ant1_5190

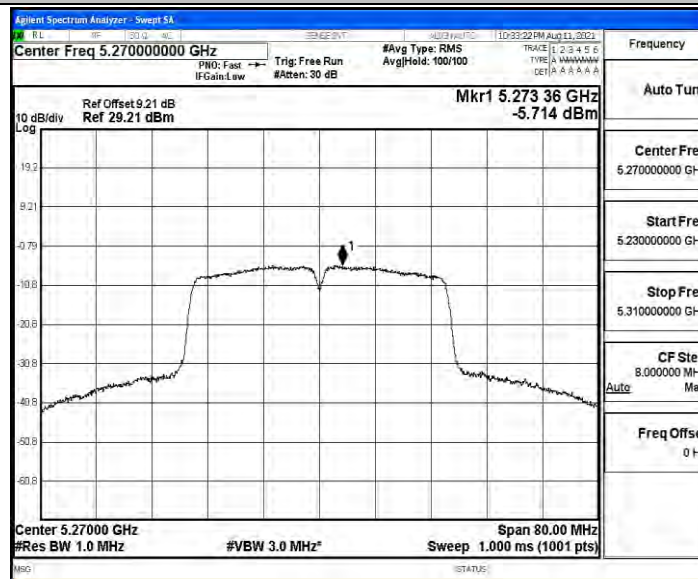


11AC40SISO_Ant1_5230

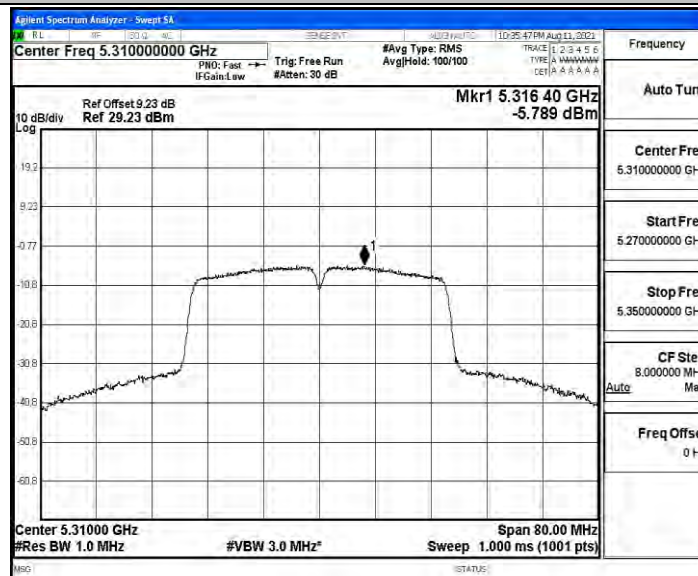




11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC40SISO_Ant1_5510