Appendix B: Maximum Conducted Average Output Power

Test Result

5150-5250 MHz

Test Mode	Antenna	Frequency [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	**11.10**	≤30.00	PASS
	Ant1	5200	10.73	≤30.00	PASS
	Ant1	5240	10.75	≤30.00	PASS
11N20SISO	Ant1	5180	**11.09**	≤30.00	PASS
	Ant1	5200	10.71	≤30.00	PASS
	Ant1	5240	10.73	≤30.00	PASS
11N40SISO	Ant1	5190	**10.69**	≤30.00	PASS
	Ant1	5230	10.60	≤30.00	PASS
11AC20SISO	Ant1	5180	**11.09**	≤30.00	PASS
	Ant1	5200	10.68	≤30.00	PASS
	Ant1	5240	10.75	≤30.00	PASS
11AC40SISO	Ant1	5190	**10.71**	≤30.00	PASS
	Ant1	5230	10.61	≤30.00	PASS

Note 1: This product is used as access point device. And the strict limit used for it.
Note 2: The maximum antenna gain is -1.05dBi, so the maximum EIRP is 10.05dBm (10.12mW), which will not exceed 125 mW at any elevation angle above 30 degrees.

Appendix C: Maximum Power Spectral Density

Test Result

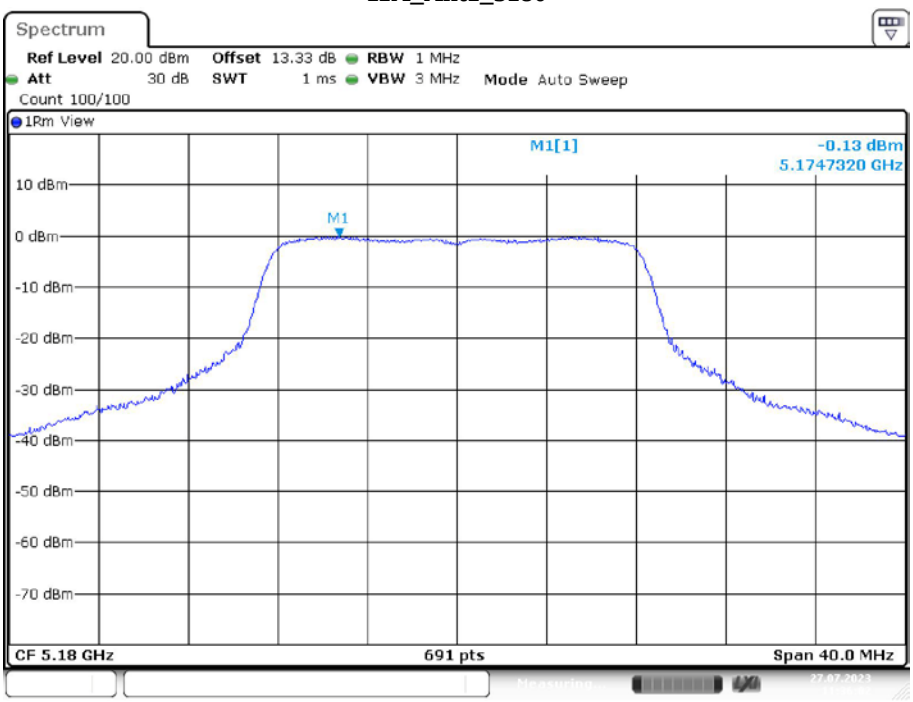
5150-5250 MHz:

Test Mode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	-0.13	≤17.00	PASS
		5200	-0.35	≤17.00	PASS
		5240	-0.38	≤17.00	PASS
11N20SISO	Ant1	5180	-0.21	≤17.00	PASS
		5200	-0.66	≤17.00	PASS
		5240	-0.68	≤17.00	PASS
11N40SISO	Ant1	5190	-3.9	≤17.00	PASS
		5230	-4.07	≤17.00	PASS
11AC20SISO	Ant1	5180	-0.22	≤17.00	PASS
		5200	-0.79	≤17.00	PASS
		5240	-0.65	≤17.00	PASS
11AC40SISO	Ant1	5190	-3.84	≤17.00	PASS
		5230	-4.07	≤17.00	PASS

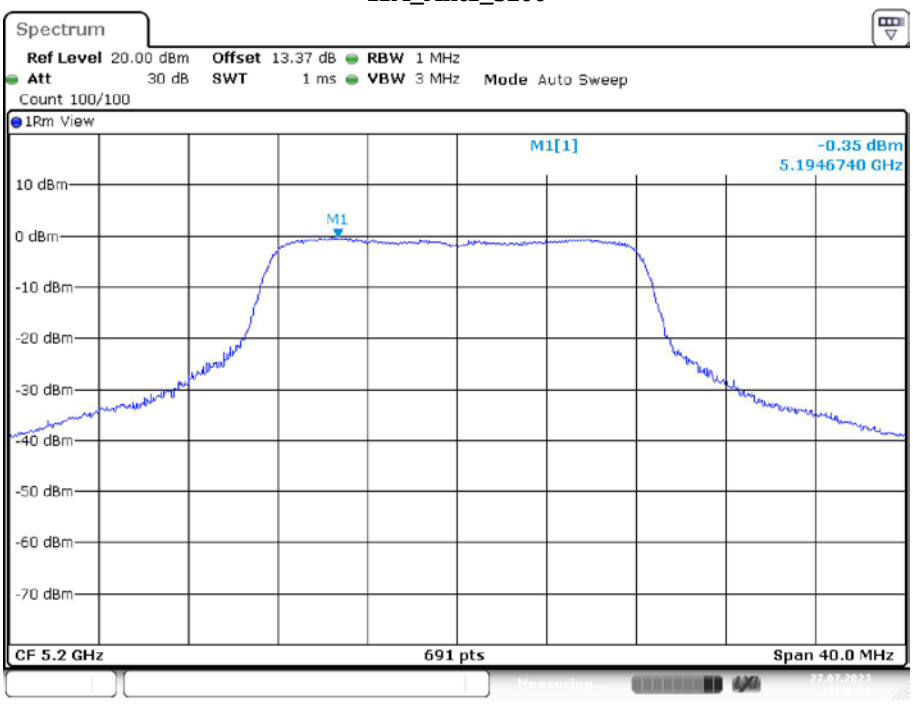
Note 1: This product is used as access point device.
Note 2: The Duty Cycle Factor is compensated in the graph.

Test Graphs

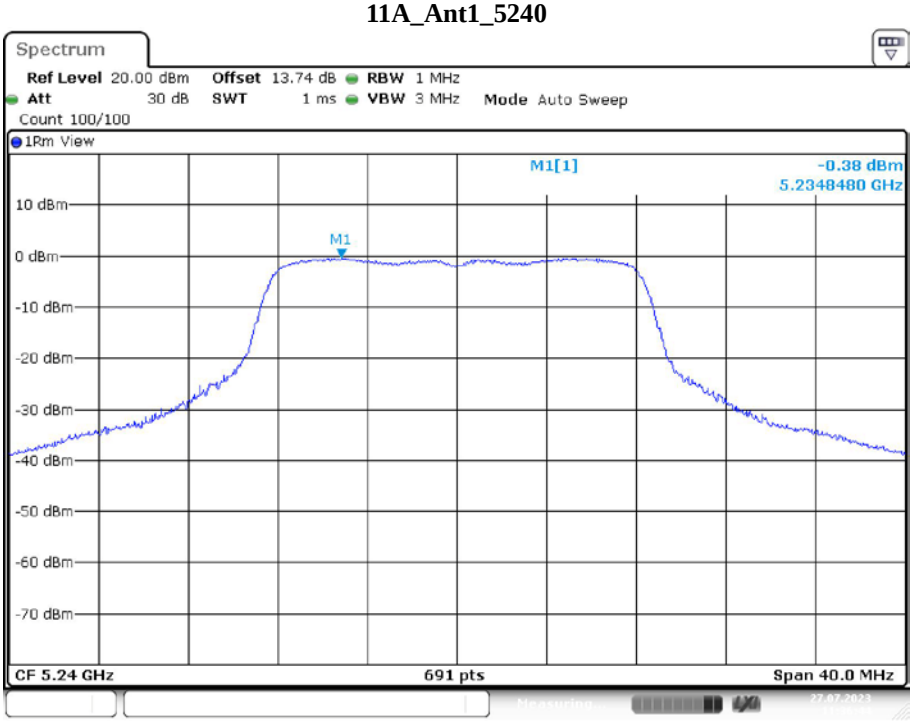
11A_Ant1_5180



11A_Ant1_5200

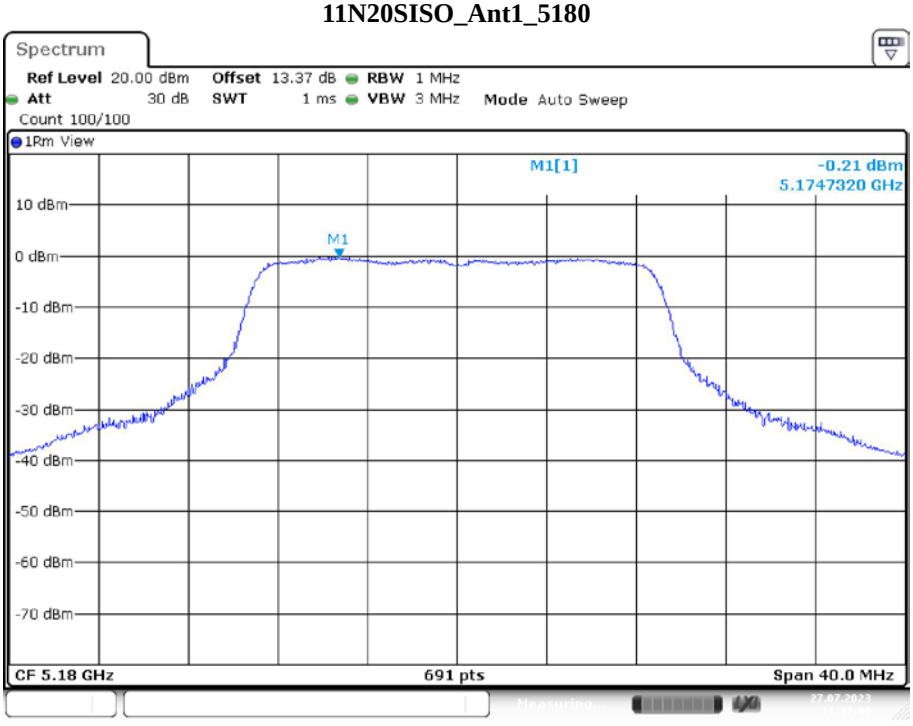


11A_Ant1_5240



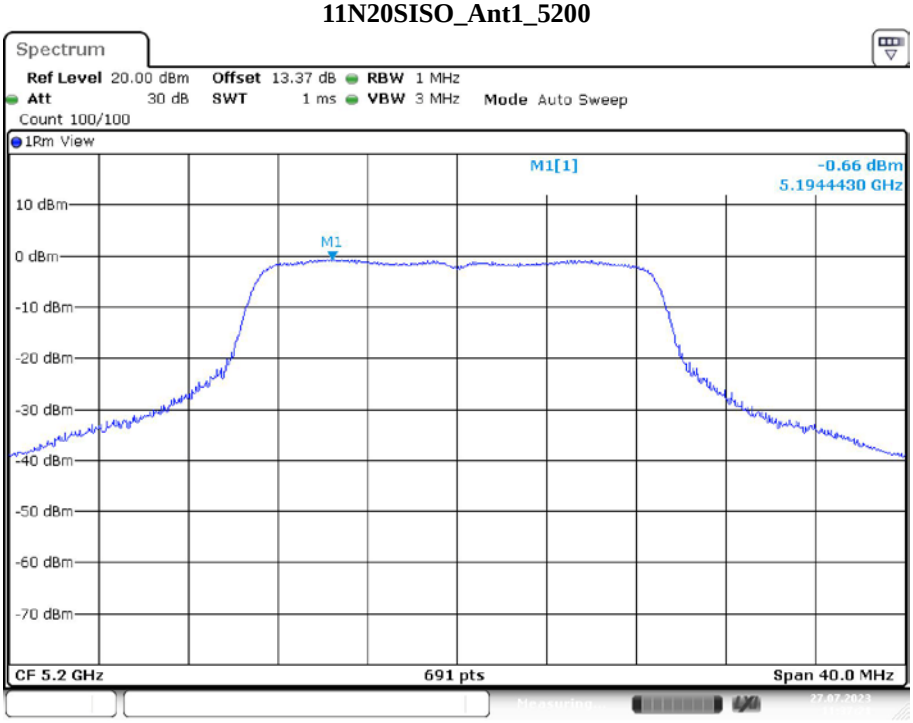
Date: 27.JUL.2023 11:36:44

11N20SISO_Ant1_5180



Date: 27.JUL.2023 11:37:06

11N20SISO_Ant1_5200



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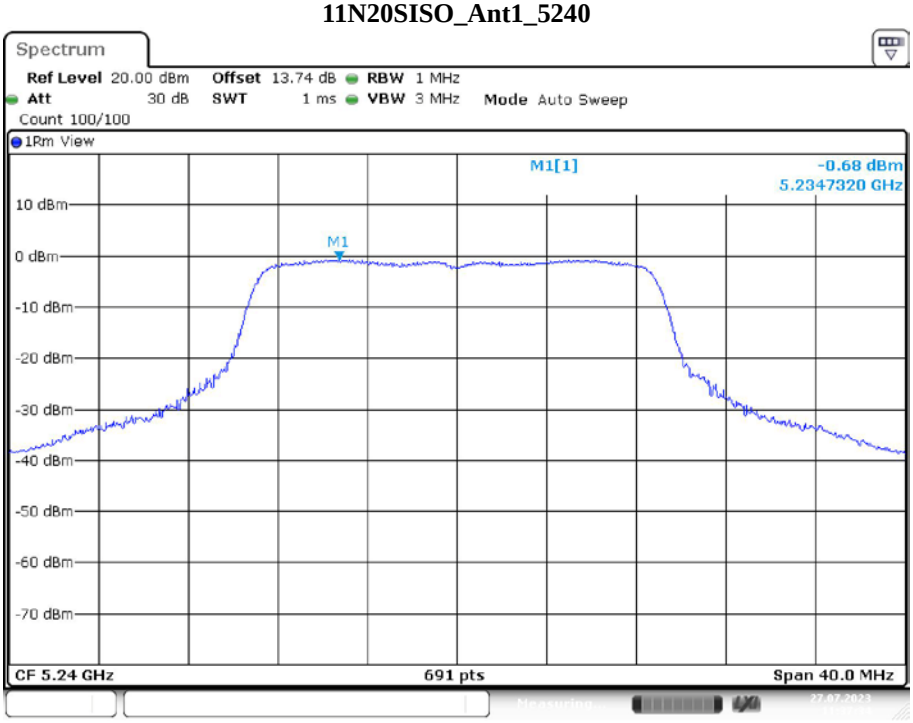
11N20SISO_Ant1_5240



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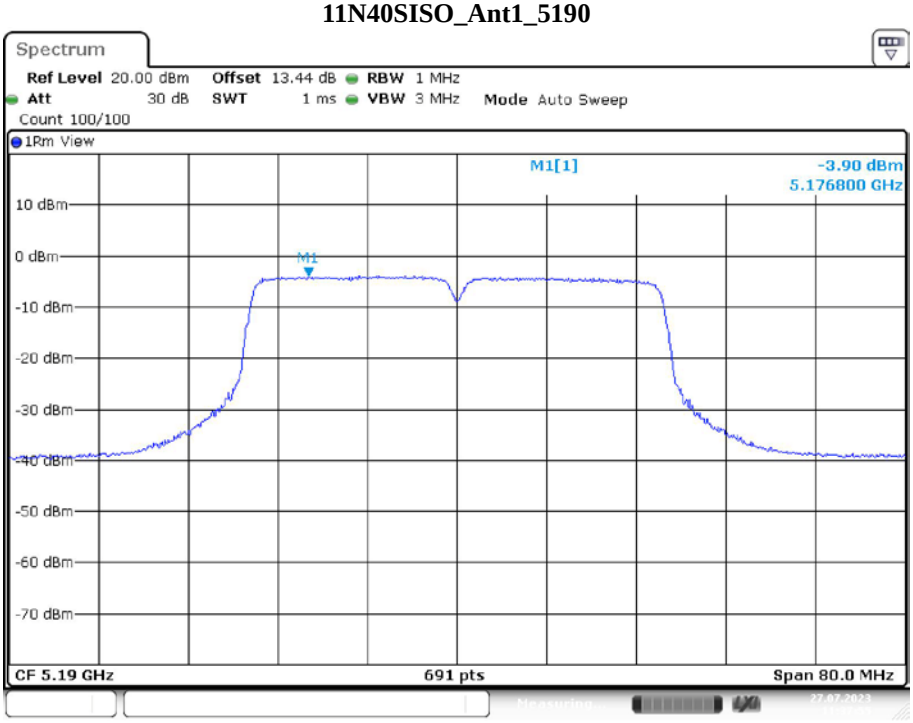
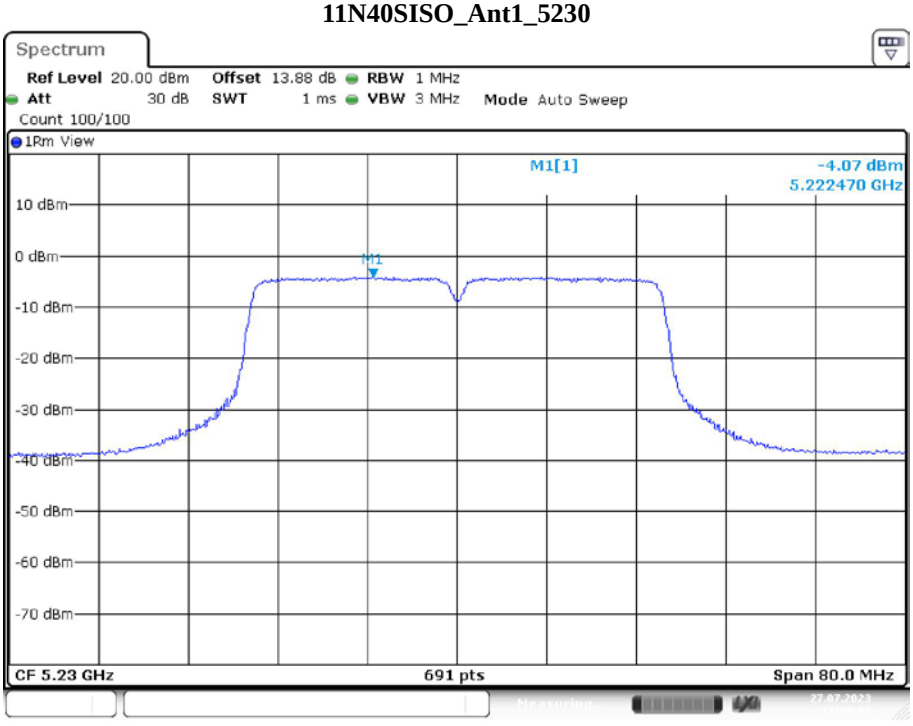
11N40SISO_Ant1_5190



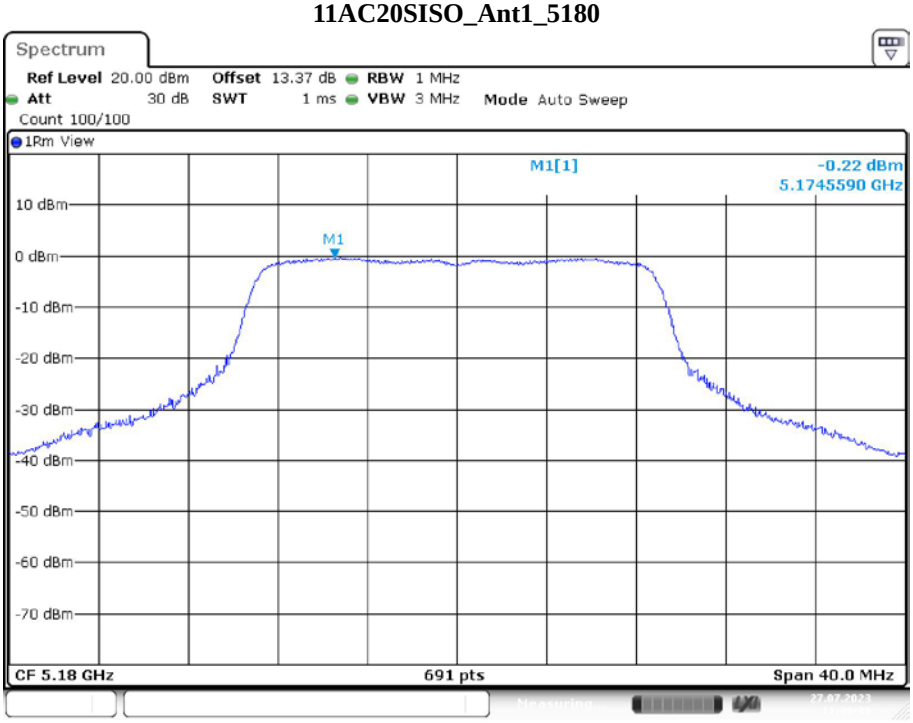
Date: 27.JUL.2023 11:37:55

11N40SISO_Ant1_5230



Date: 27.JUL.2023 11:38:07

11AC20SISO_Ant1_5180



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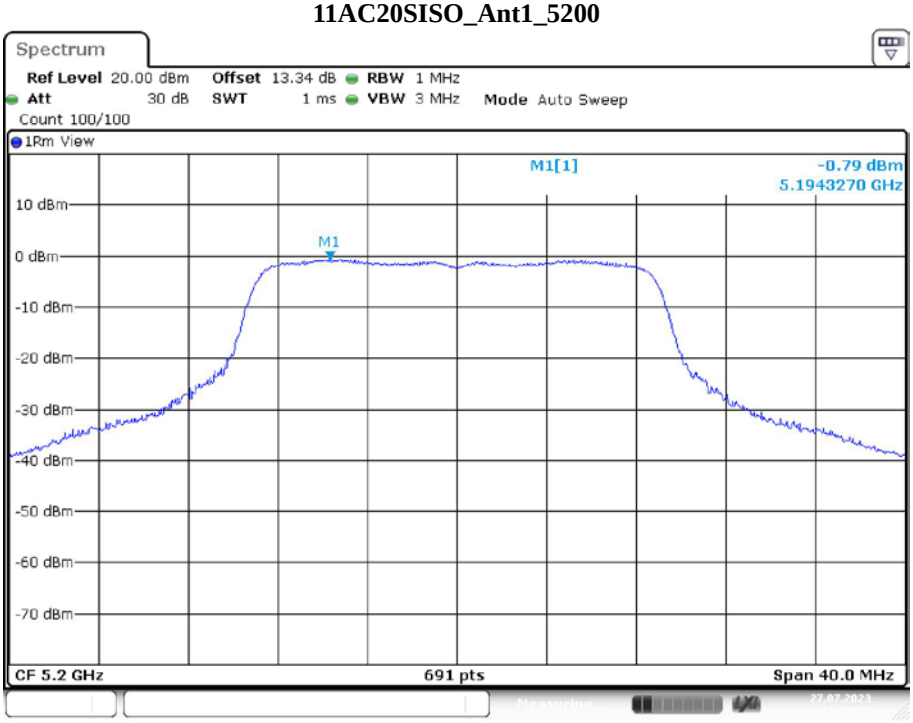
11AC20SISO_Ant1_5200



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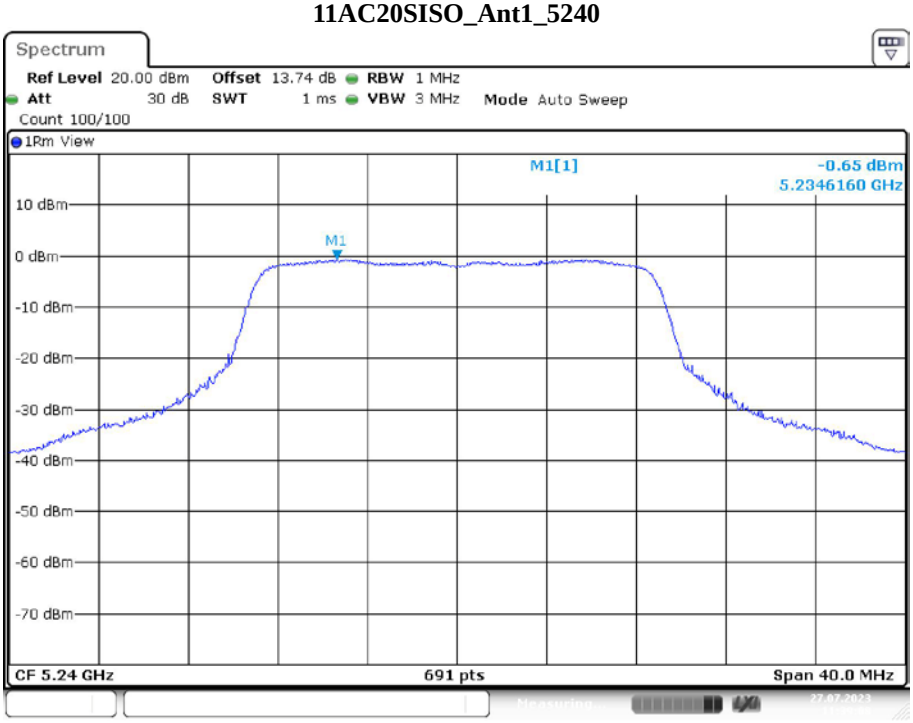
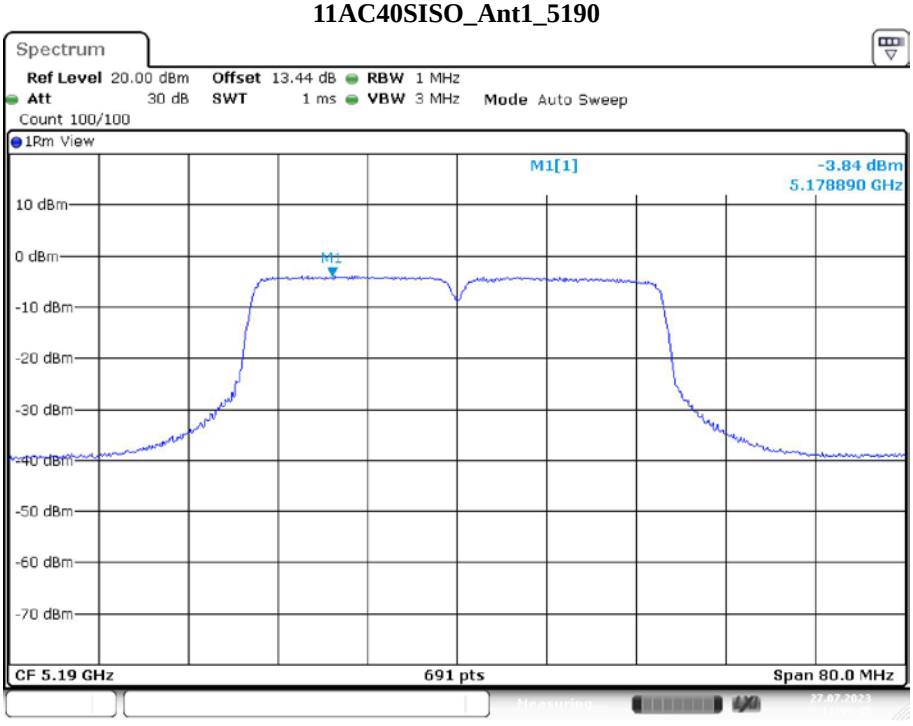


Date: 27.JUL.2023 11:39:08

11AC40SISO_Ant1_5190



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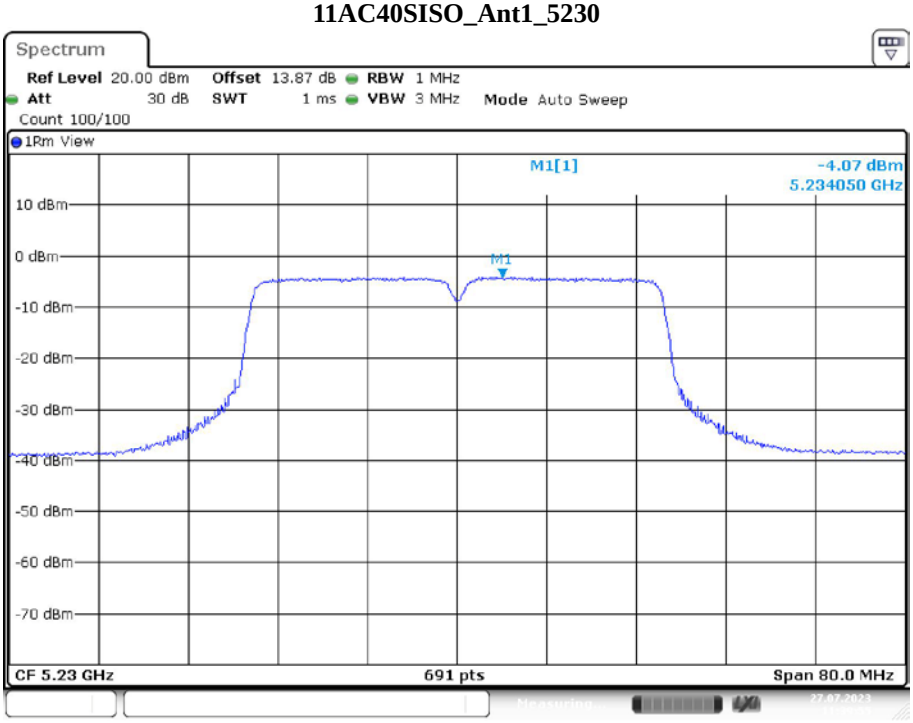
11AC40SISO_Ant1_5230



Date: 27.JUL.2023 11:39:55

Appendix D: Duty Cycle

Test Data

Environmental Conditions

Temperature:	26 ℃
Relative Humidity:	42 %
ATM Pressure:	100.19 kPa

The testing was performed by Matt Liang on 2023-07-27.

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EUT operation mode: Transmitting

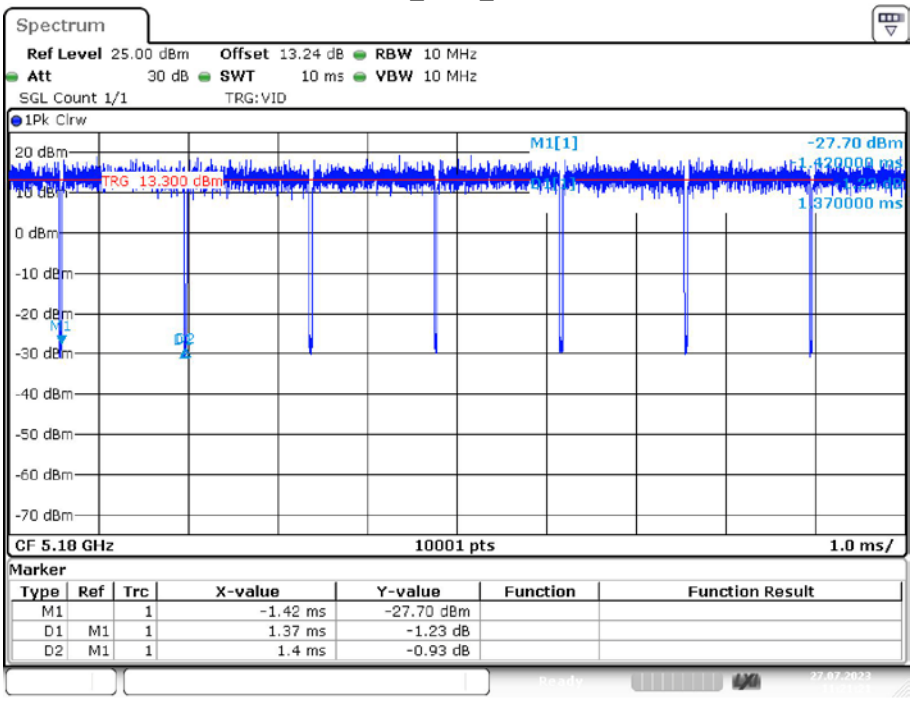
Test Result: Please refer to the table and plots.

5150-5250 MHz

Test Mode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor [dBm]	1/T minimum VBW setting (kHz)
11A	Ant1	5180	1.37	1.40	97.86	0.09	0.73
		5200	1.36	1.40	97.14	0.13	0.74
		5240	1.36	1.40	97.14	0.13	0.74
11N20SISO	Ant1	5180	1.27	1.31	96.95	0.13	0.79
		5200	1.27	1.31	96.95	0.13	0.79
		5240	1.27	1.31	96.95	0.13	0.79
11N40SISO	Ant1	5190	0.64	0.67	95.52	0.20	1.56
		5230	0.63	0.67	94.03	0.27	1.59
11AC20SISO	Ant1	5180	1.28	1.32	96.97	0.13	0.78
		5200	1.28	1.31	97.71	0.10	0.78
		5240	1.28	1.32	96.97	0.13	0.78
11AC40SISO	Ant1	5190	0.64	0.67	95.52	0.20	1.56
		5230	0.64	0.68	94.12	0.26	1.56

Test Graphs

11A_Ant1_5180



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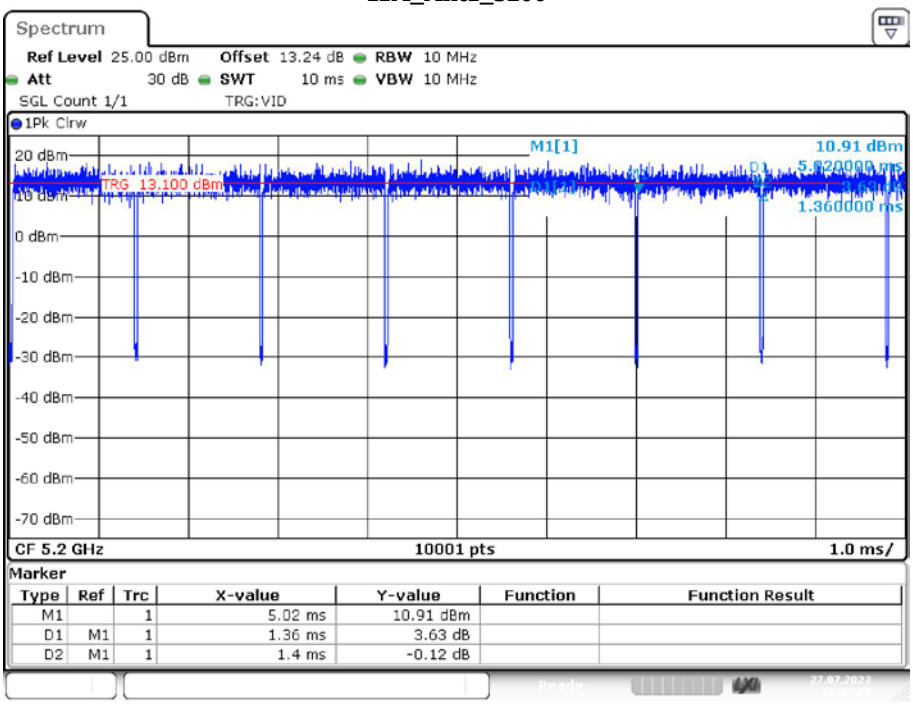
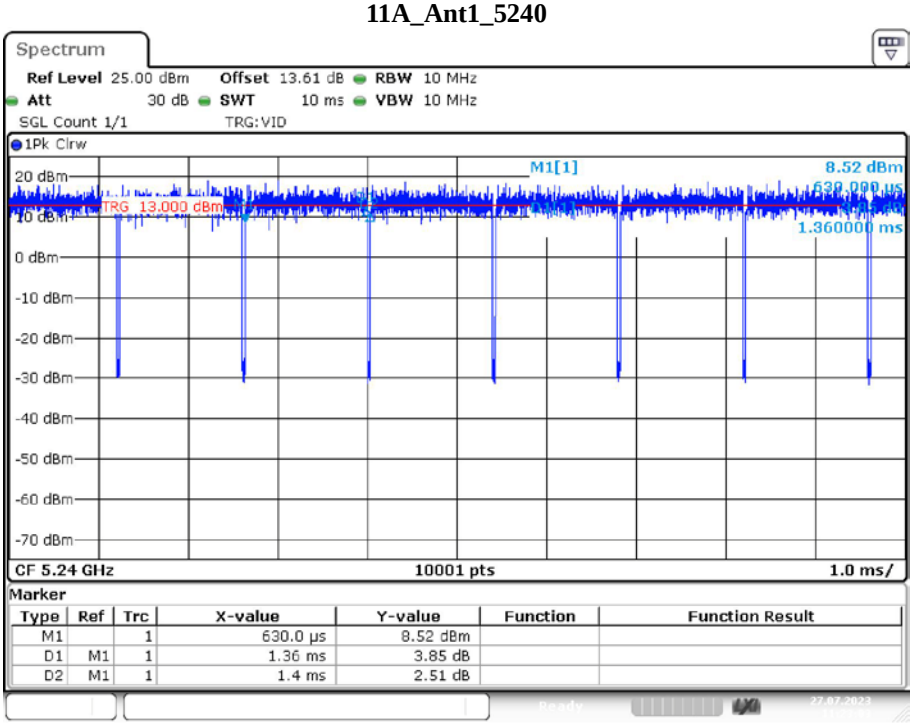
11A_Ant1_5200



Date: 27.JUL.2023 11:22:29

11A_Ant1_5240



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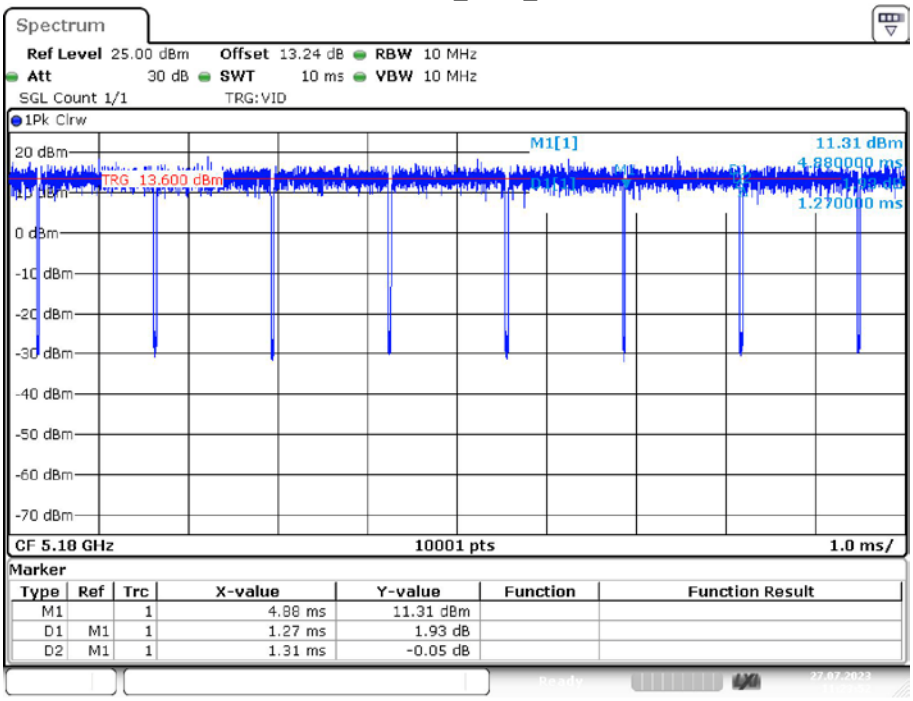

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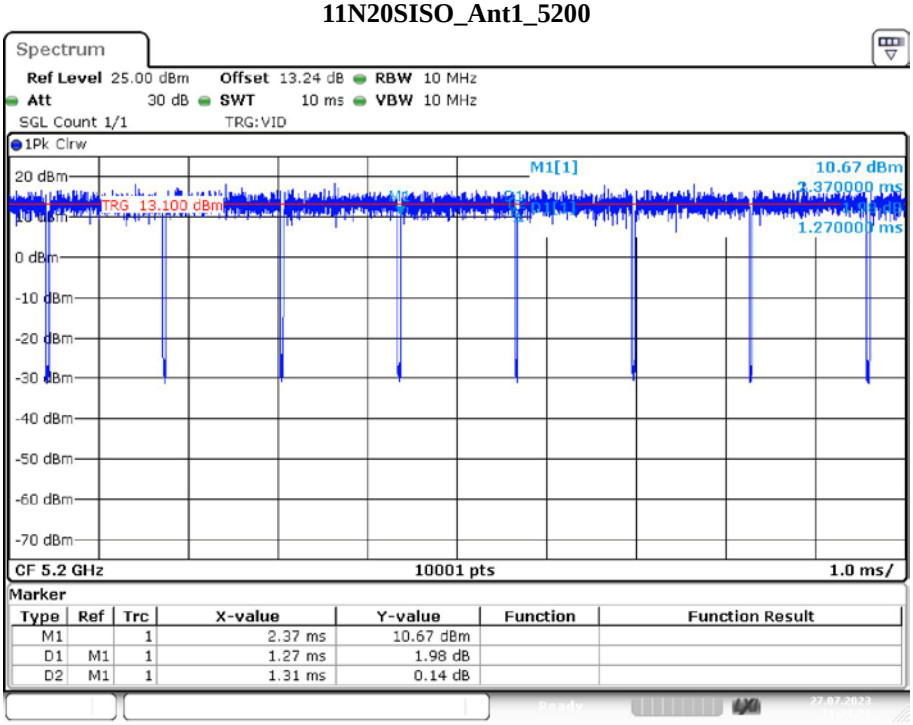

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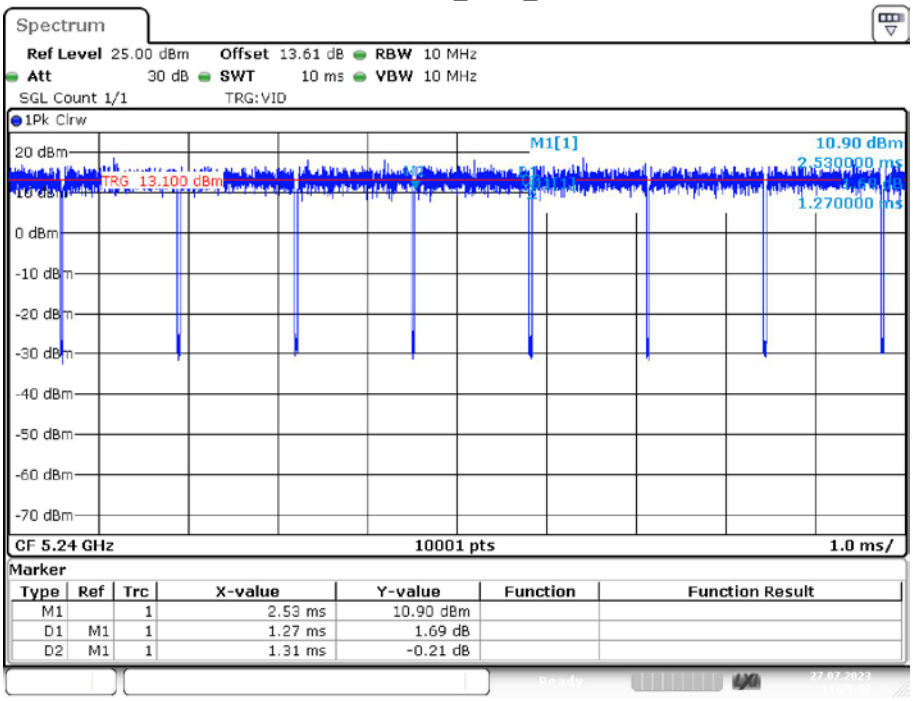

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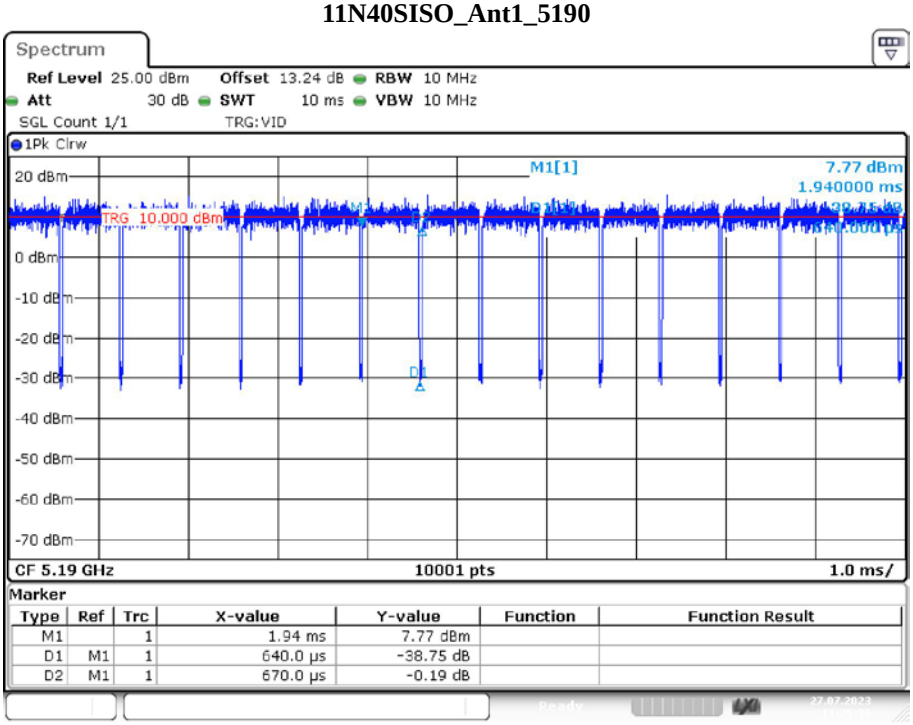
11N40SISO_Ant1_5190



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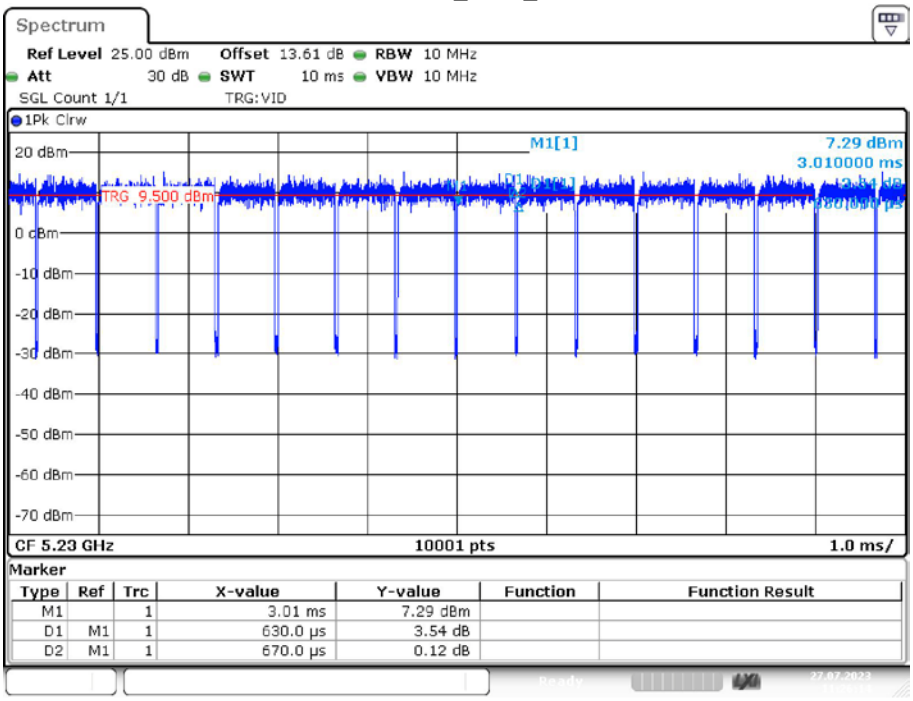
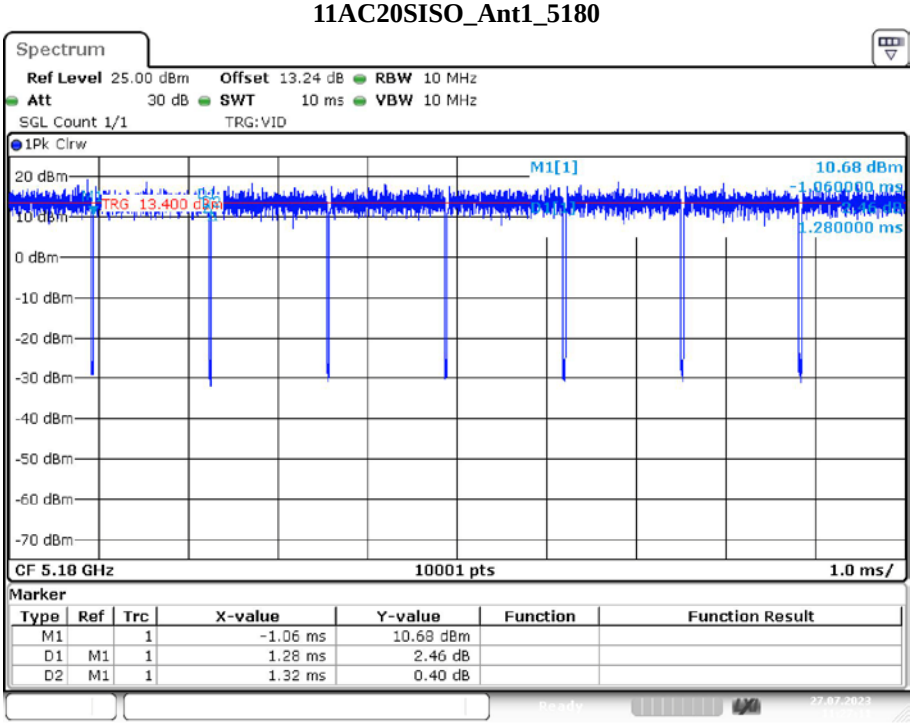
11N40SISO_Ant1_5230



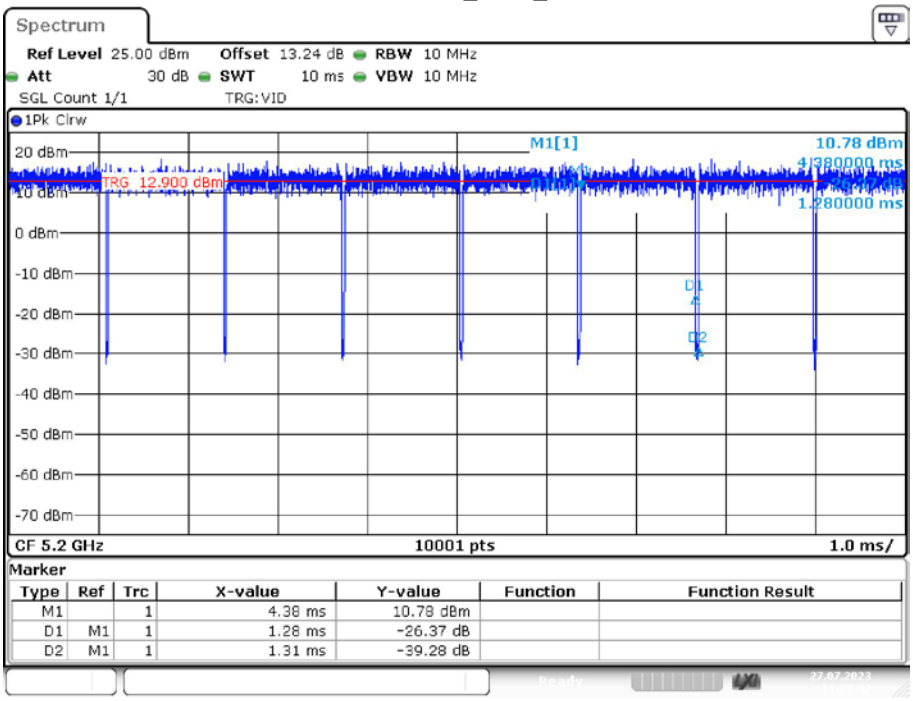
Date: 27.JUL.2023 11:26:14

11AC20SISO_Ant1_5180



Date: 27.JUL.2023 11:27:11

11AC20SISO_Ant1_5200



Date: 27.JUL.2023 11:27:47

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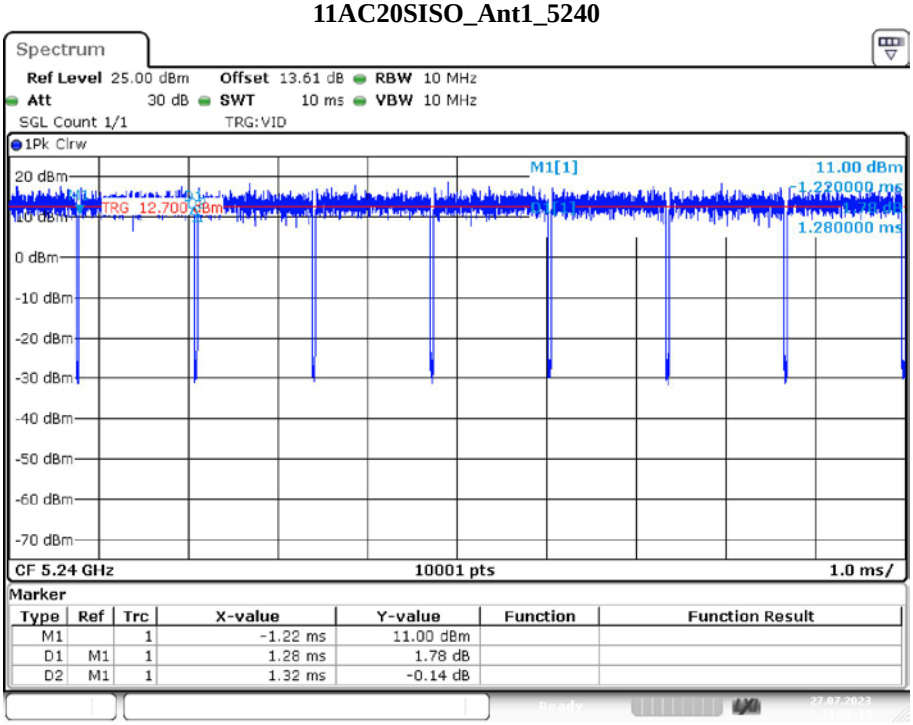

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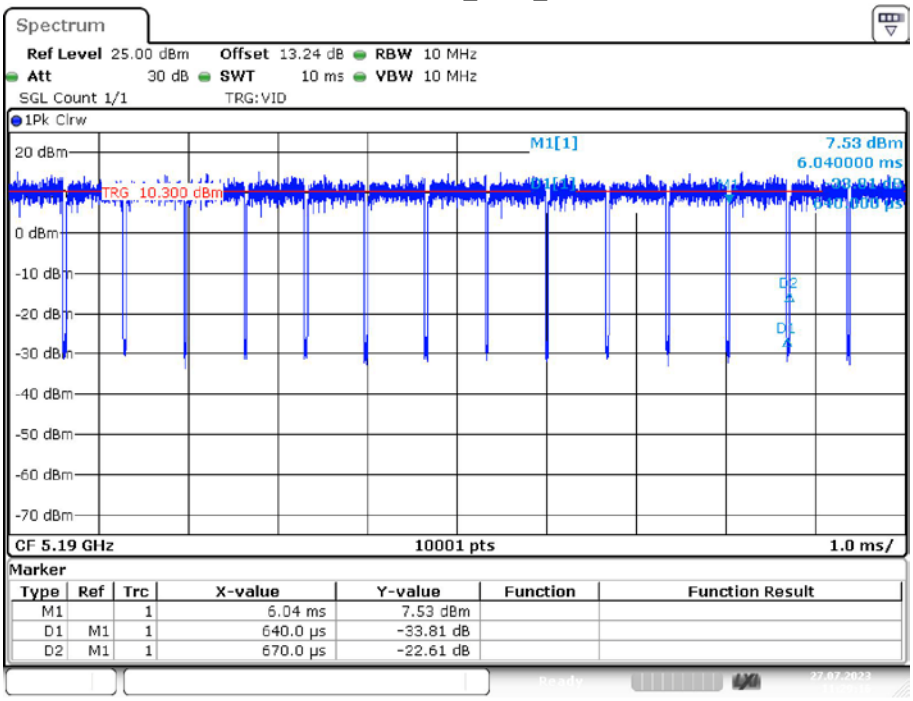

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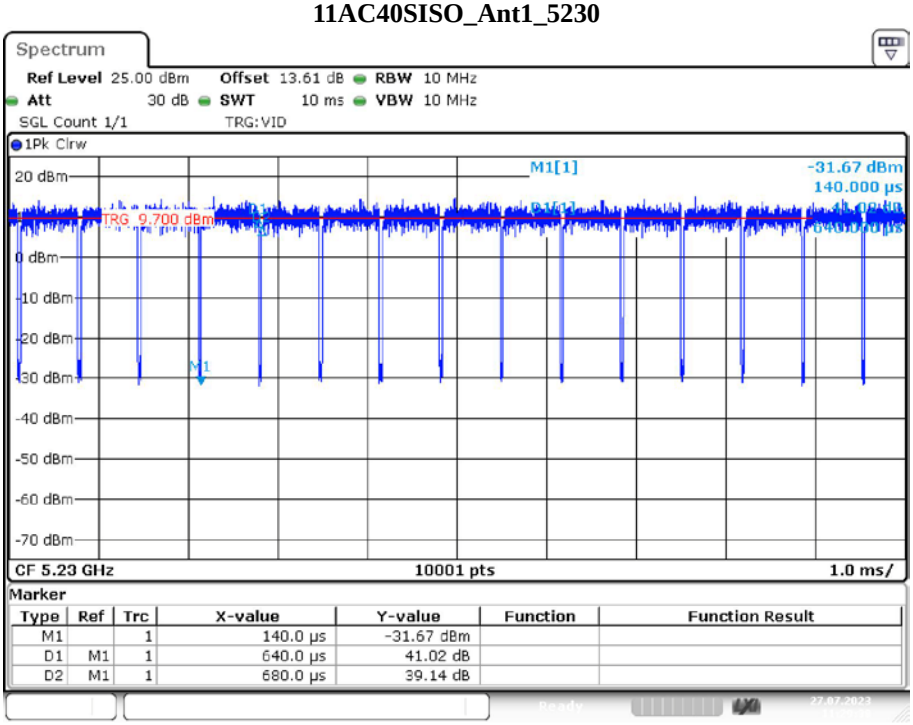

******* END OF REPORT *******