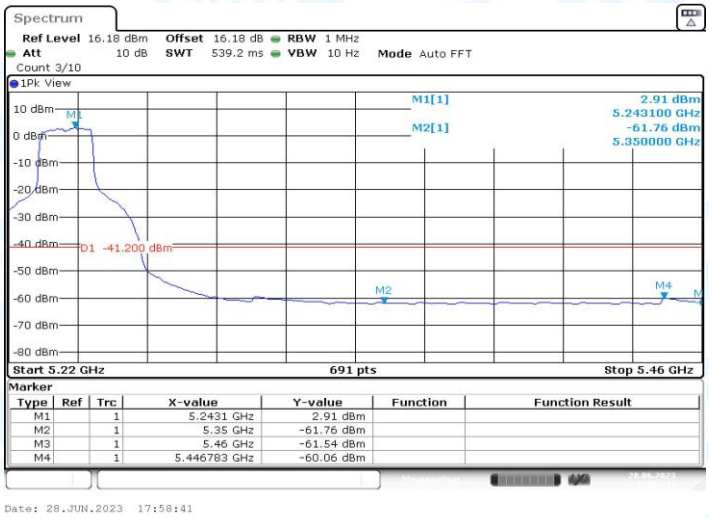
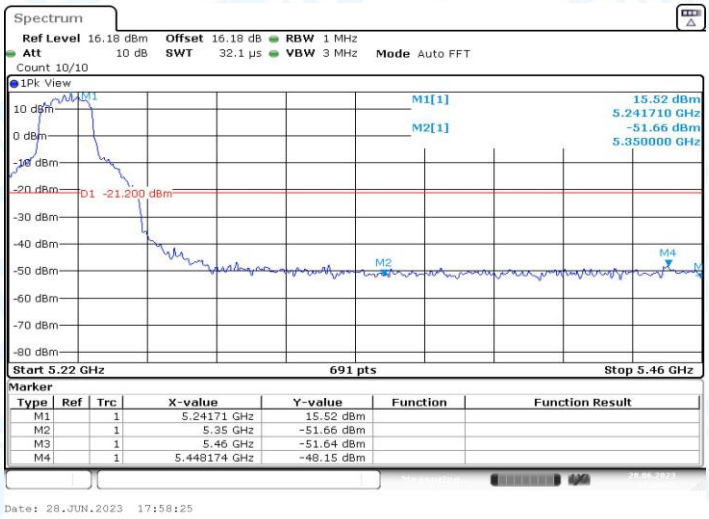
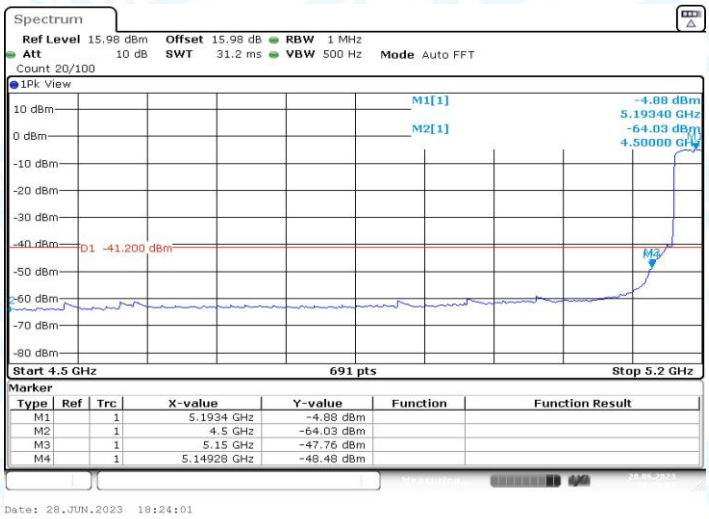


11N20SISO_Ant1_High_5240_AV



11N20SISO_Ant1_High_5240_Peak



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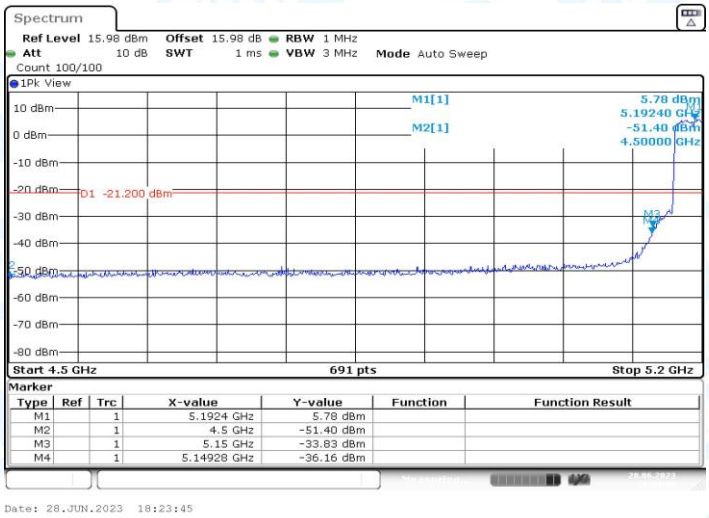
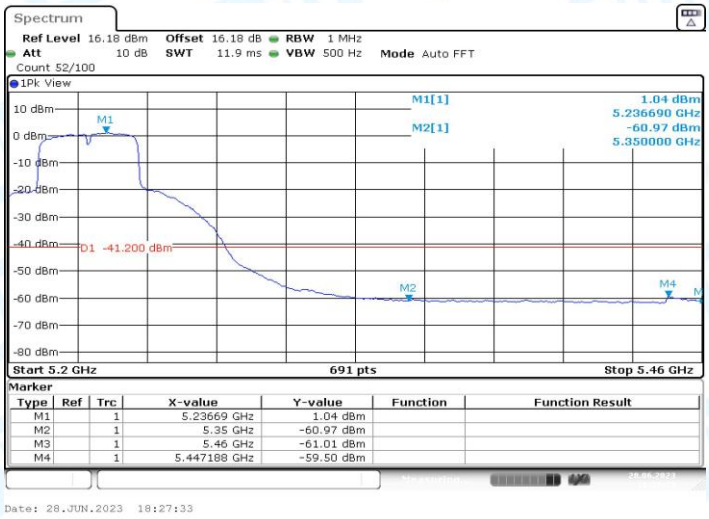


11N40SISO_Ant1_Low_5190_Peak



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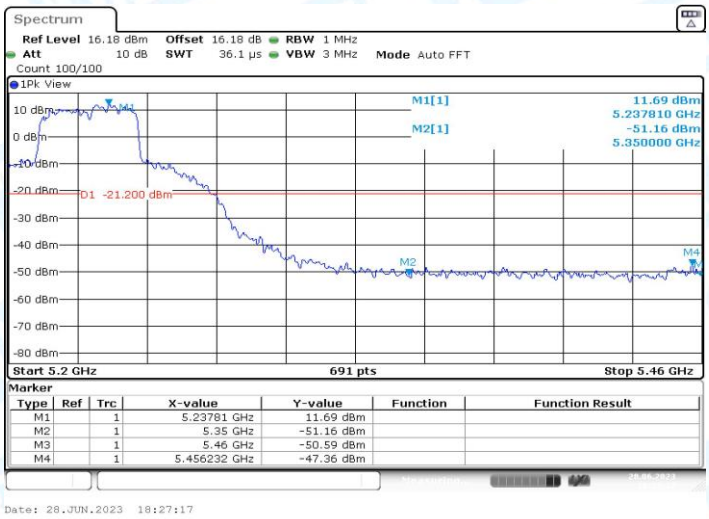

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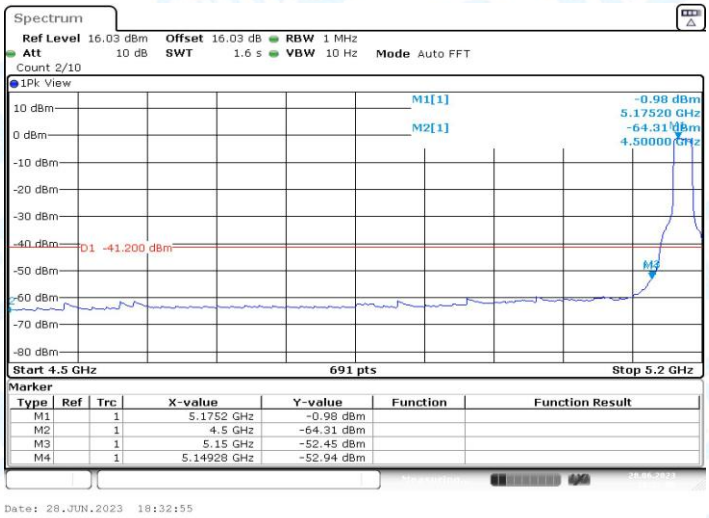

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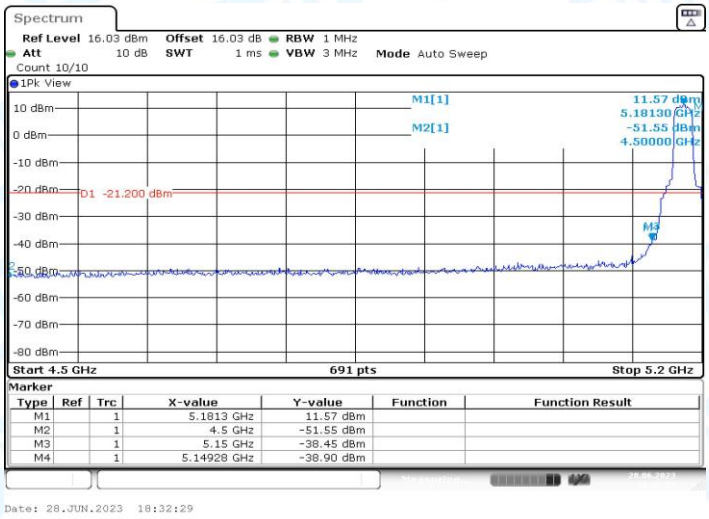
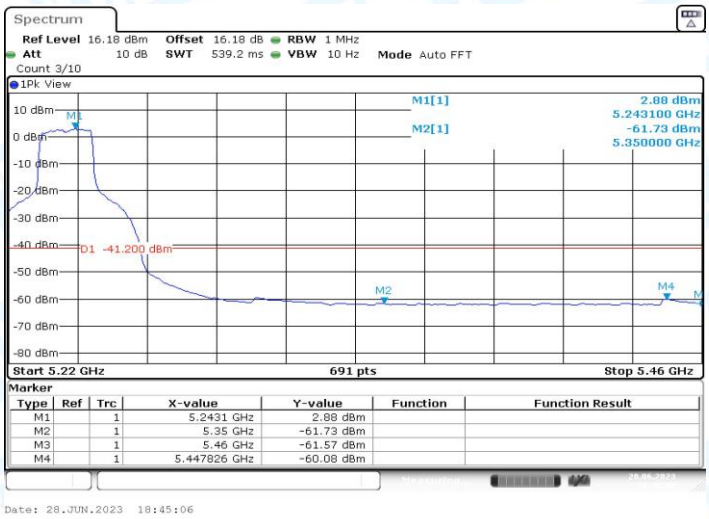


11AC20SISO_Ant1_Low_5180_Peak



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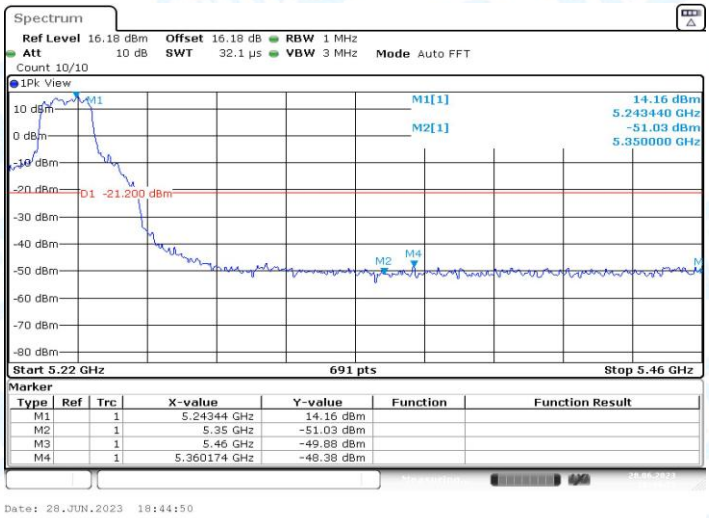

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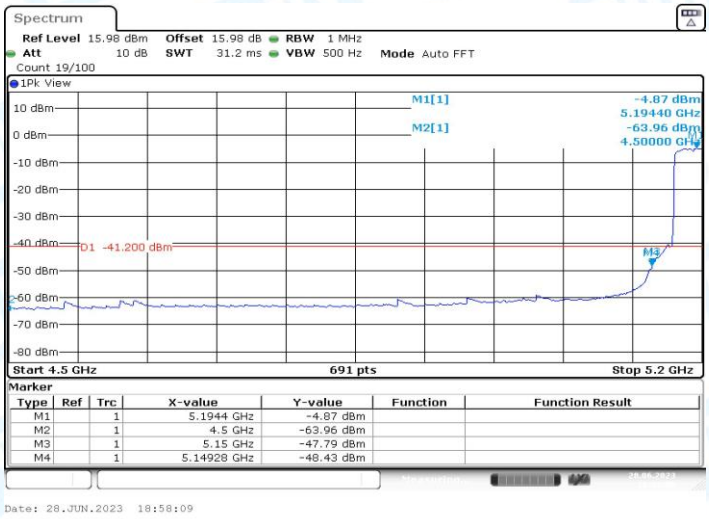
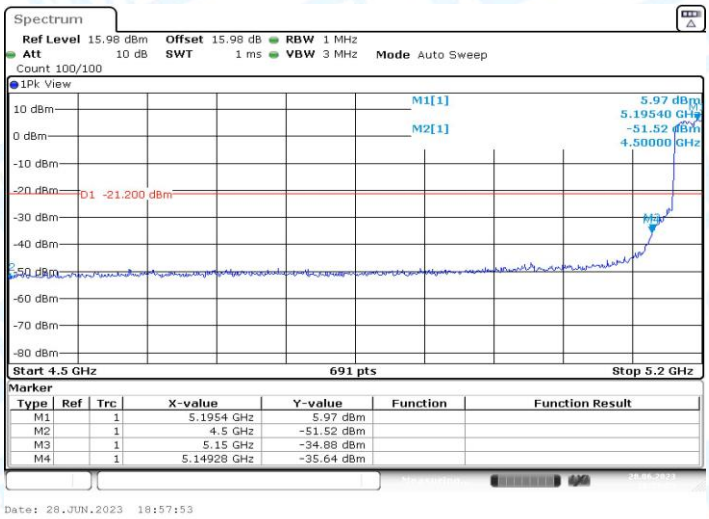
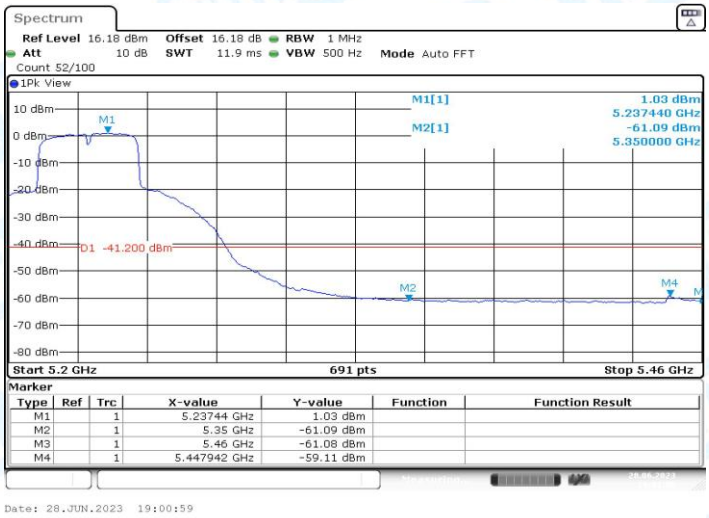


11AC40SISO_Ant1_Low_5190_AV



11AC40SISO_Ant1_Low_5190_Peak



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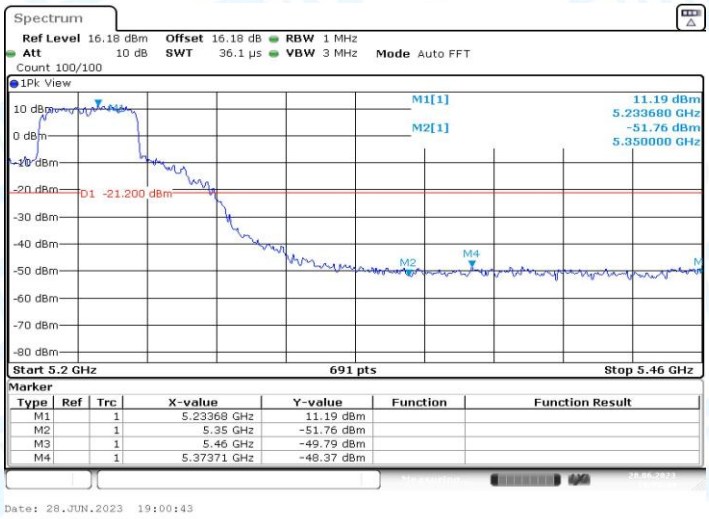
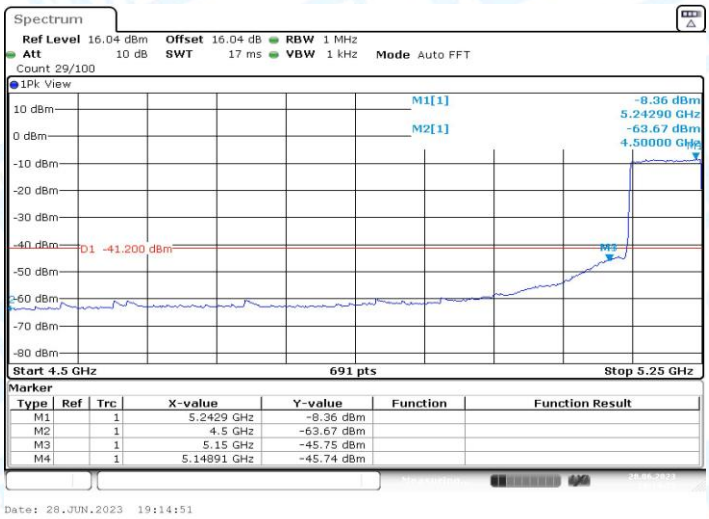
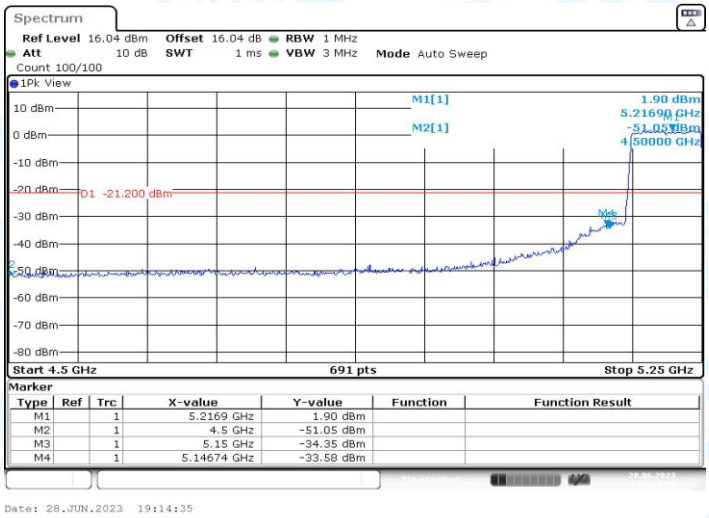


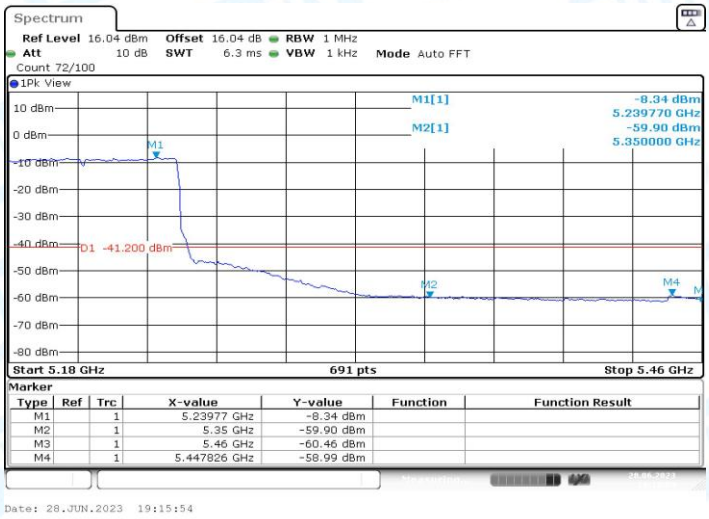
11AC40SISO_Ant1_High_5230_Peak



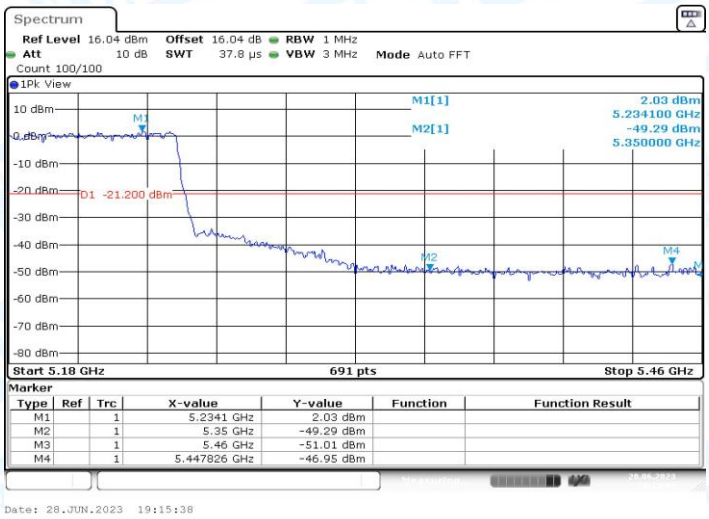
11AC80SISO_Ant1_Low_5210_AV



11AC80SISO_Ant1_Low_5210_Peak



11AC80SISO_Ant1_High_5210_AV



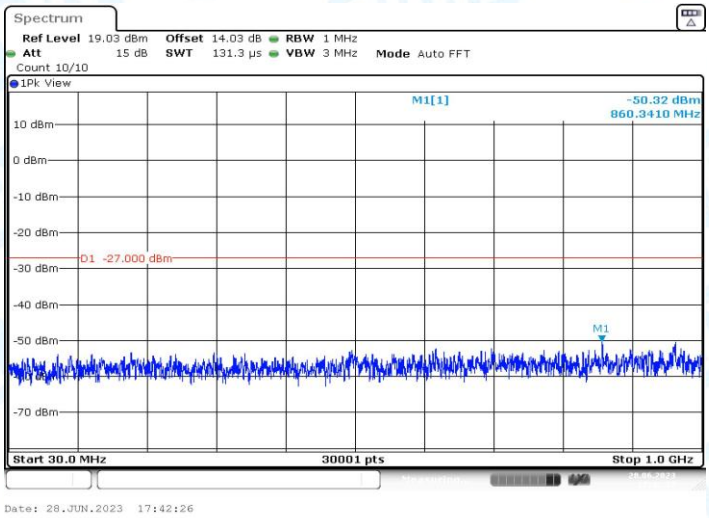
11AC80SISO_Ant1_High_5210_Peak

7. Conducted Spurious Emission

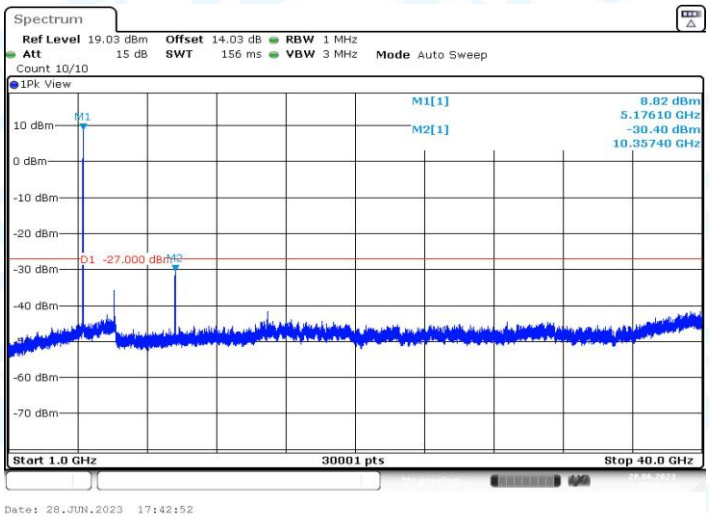
7.1.Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	30~1000	860.34	-50.32	≤-27	PASS
			1000~40000	10357.4	-30.4	≤-27	PASS
		5200	30~1000	865.32	-51.47	≤-27	PASS
			1000~40000	10401.6	-31.84	≤-27	PASS
		5240	30~1000	892.51	-50.61	≤-27	PASS
			1000~40000	10482.2	-35	≤-27	PASS
11N20SISO	Ant1	5180	30~1000	888.57	-51.25	≤-27	PASS
			1000~40000	10352.2	-29.18	≤-27	PASS
		5200	30~1000	999.92	-50.44	≤-27	PASS
			1000~40000	10397.7	-31.4	≤-27	PASS
		5240	30~1000	963.22	-50.7	≤-27	PASS
			1000~40000	10484.8	-34.59	≤-27	PASS
11N40SISO	Ant1	5190	30~1000	575.01	-51.23	≤-27	PASS
			1000~40000	10387.3	-32.99	≤-27	PASS
		5230	30~1000	949.16	-50.33	≤-27	PASS
			1000~40000	10471.8	-36.66	≤-27	PASS
11AC20SISO	Ant1	5180	30~1000	508.57	-49.76	≤-27	PASS
			1000~40000	10357.4	-30.86	≤-27	PASS
		5200	30~1000	889.02	-49.63	≤-27	PASS
			1000~40000	10399	-29.95	≤-27	PASS
		5240	30~1000	888.73	-50.25	≤-27	PASS
			1000~40000	10474.4	-34.13	≤-27	PASS
11AC40SISO	Ant1	5190	30~1000	891.25	-50.85	≤-27	PASS
			1000~40000	15578.2	-32.18	≤-27	PASS
		5230	30~1000	513.58	-51.24	≤-27	PASS
			1000~40000	10456.2	-36.06	≤-27	PASS
11AC80SISO	Ant1	5210	30~1000	510.02	-49.98	≤-27	PASS
			1000~40000	10419.8	-36.08	≤-27	PASS

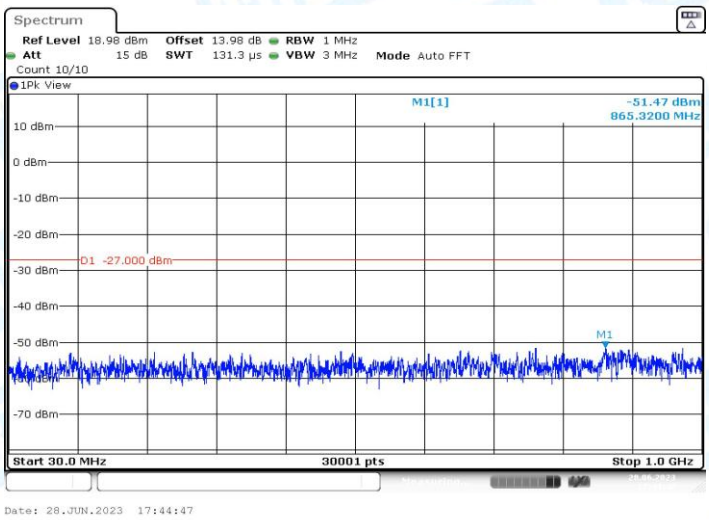
7.2.Test Graphs



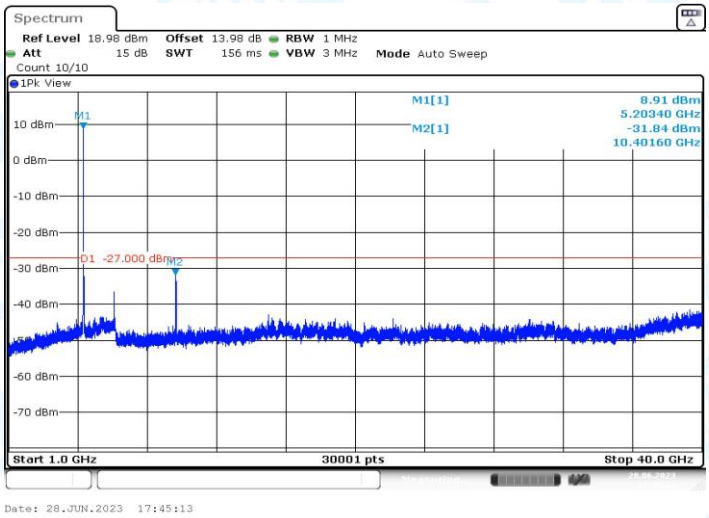
11A_Ant1_5180_30~1000



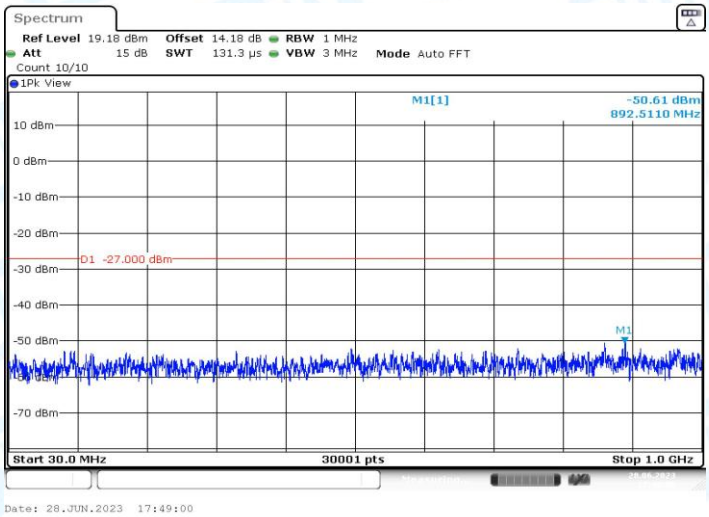
11A_Ant1_5180_1000~40000



11A_Ant1_5200_30~1000



11A_Ant1_5200_1000~40000



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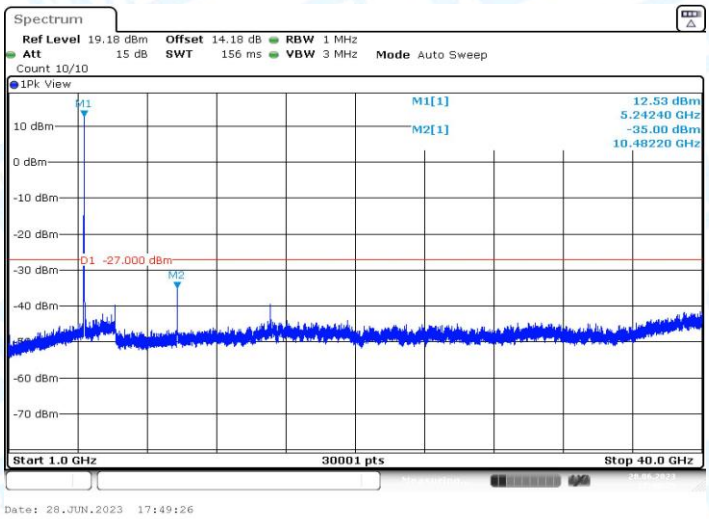
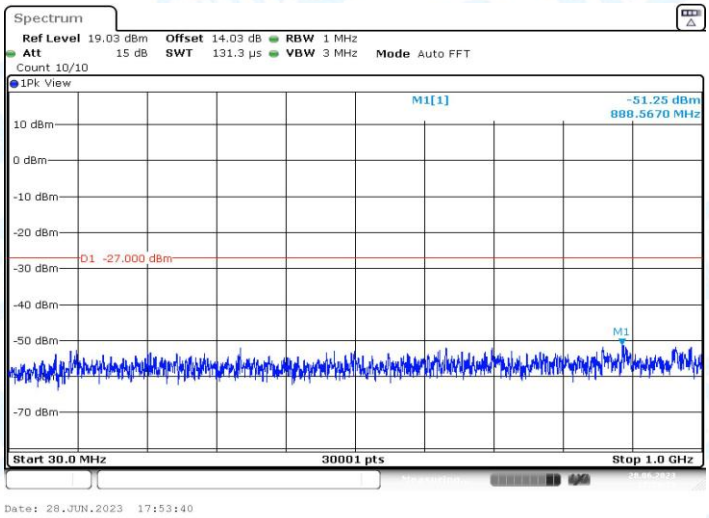
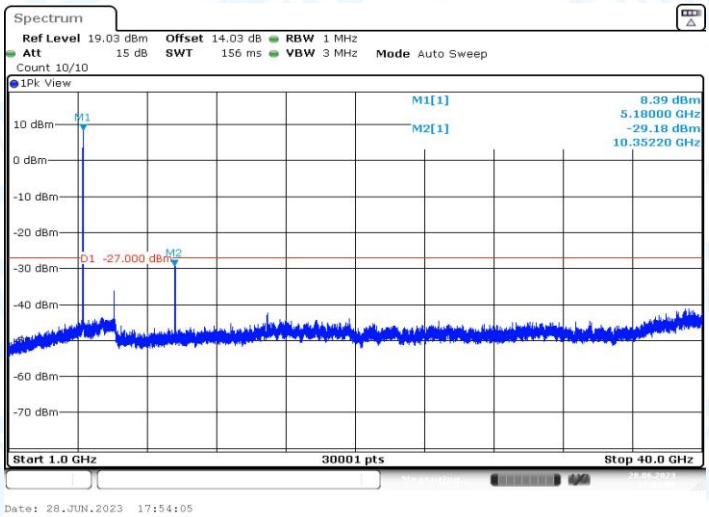


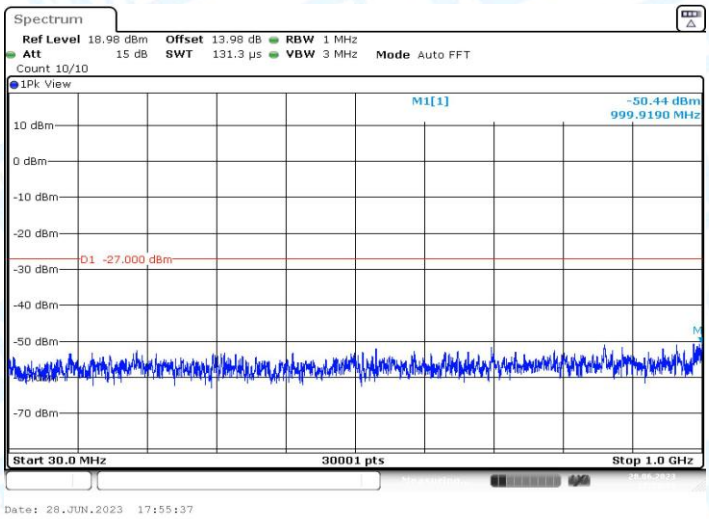
11A_Ant1_5240_1000~40000



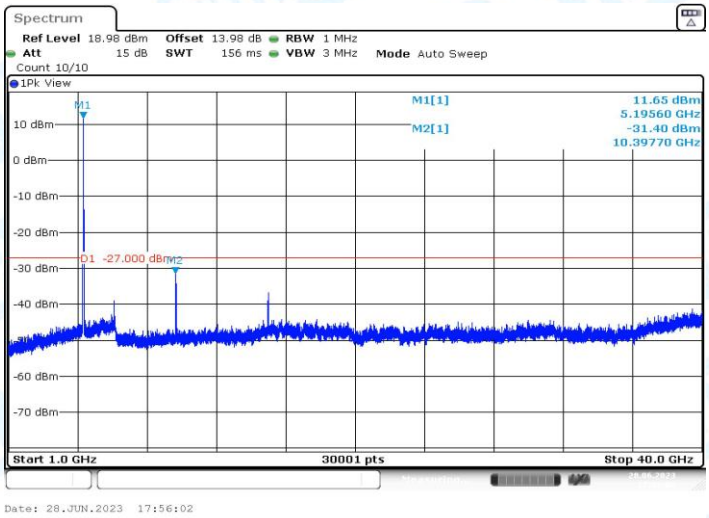
11N20SISO_Ant1_5180_30~1000



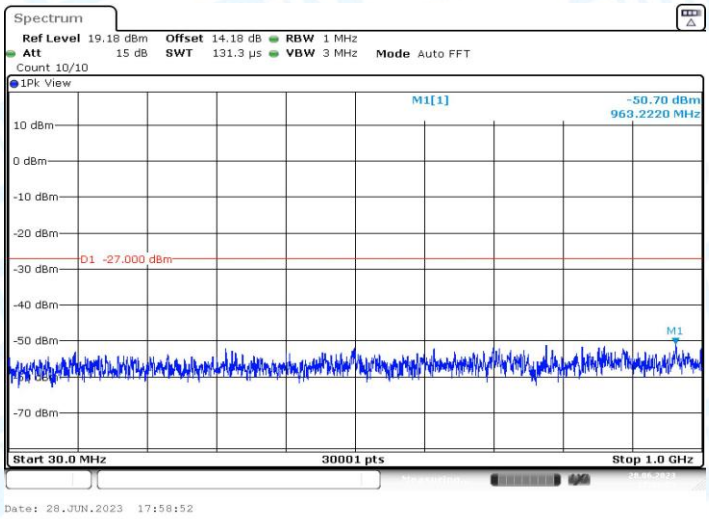
11N20SISO_Ant1_5180_1000~40000



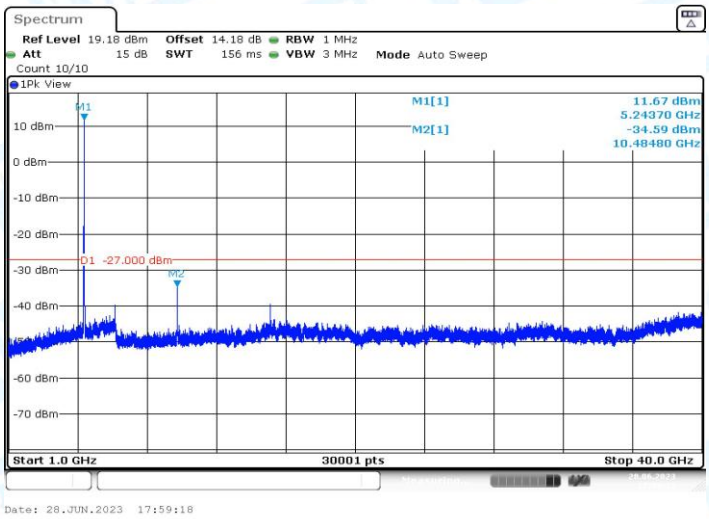
11N20SISO_Ant1_5200_30~1000



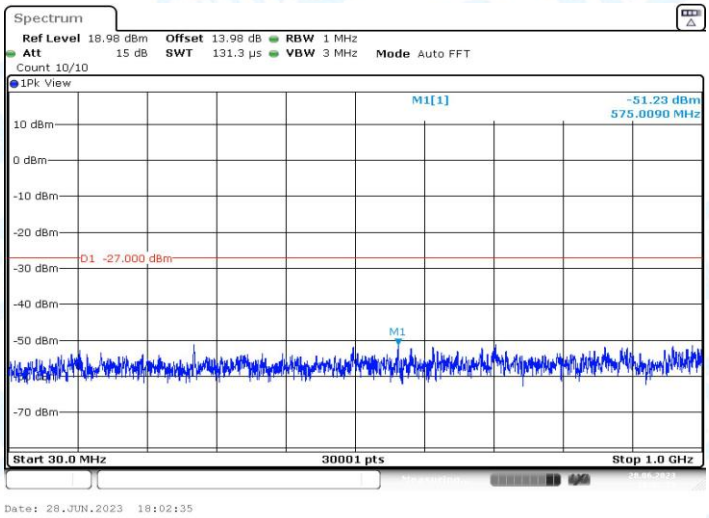
11N20SISO_Ant1_5200_1000~40000



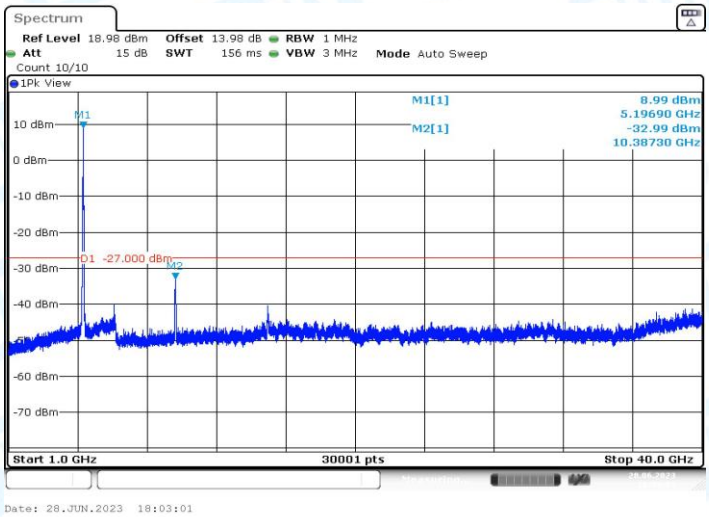
11N20SISO_Ant1_5240_30~1000



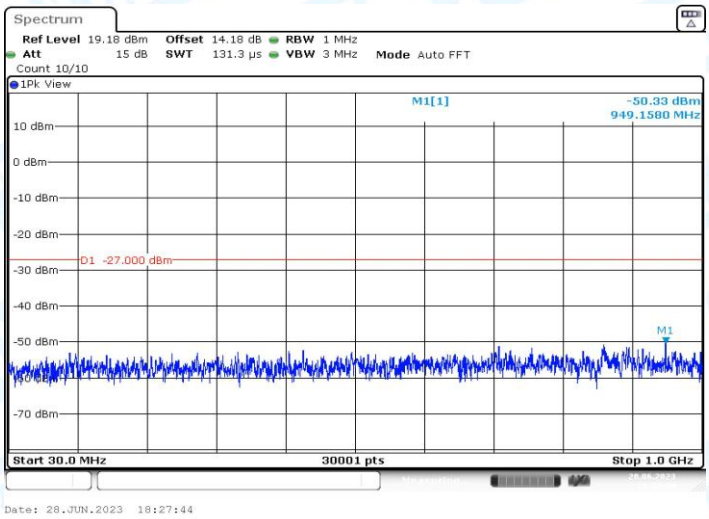
11N20SISO_Ant1_5240_1000~40000



11N40SISO_Ant1_5190_30~1000



11N40SISO_Ant1_5190_1000~40000



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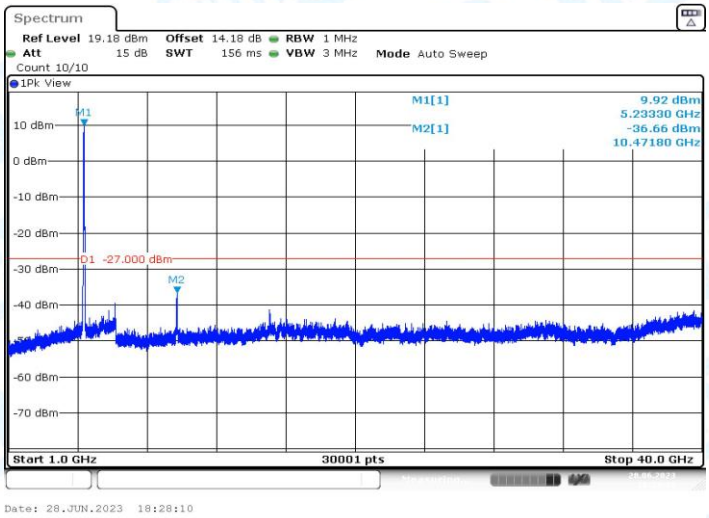
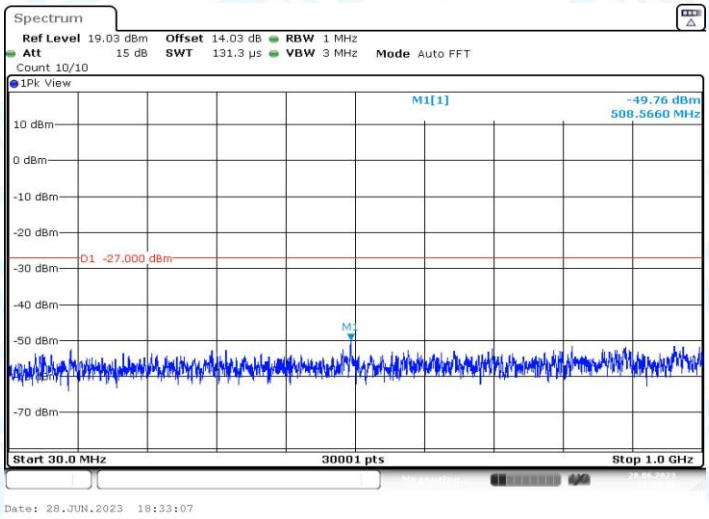
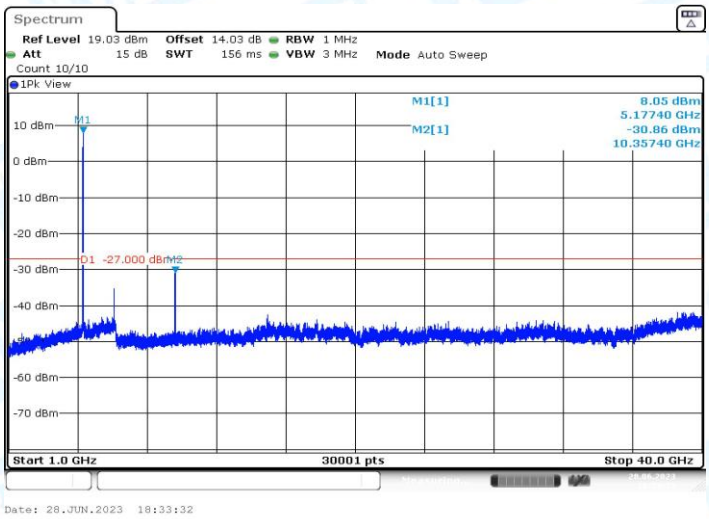


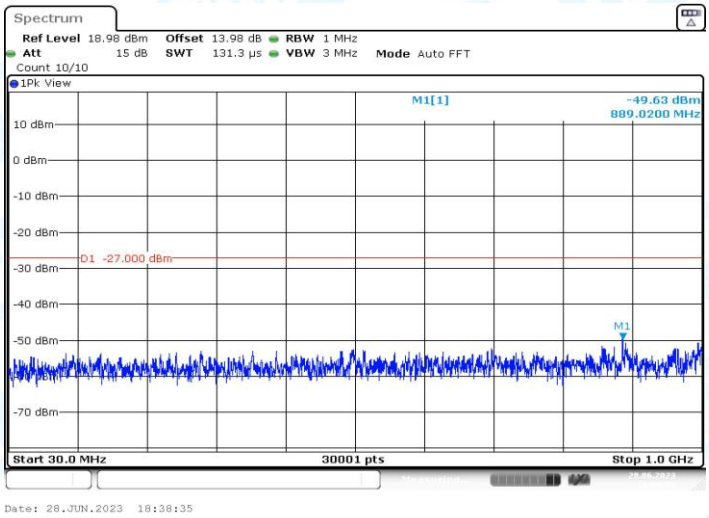
11N40SISO_Ant1_5230_1000~40000



11AC20SISO_Ant1_5180_30~1000



11AC20SISO_Ant1_5180_1000~40000



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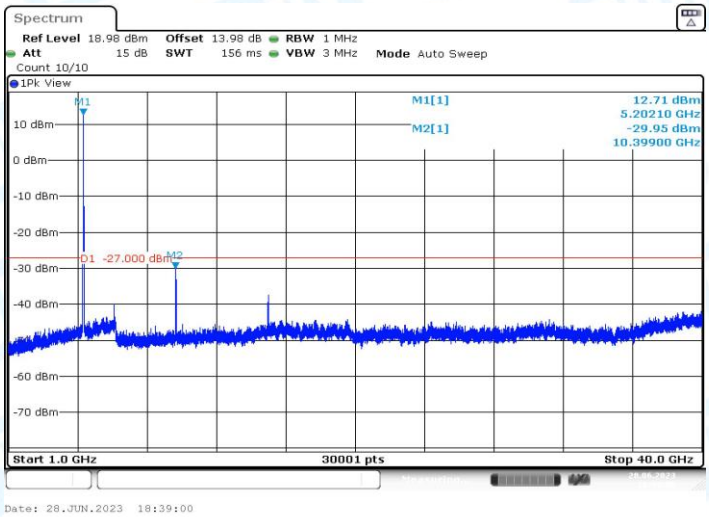
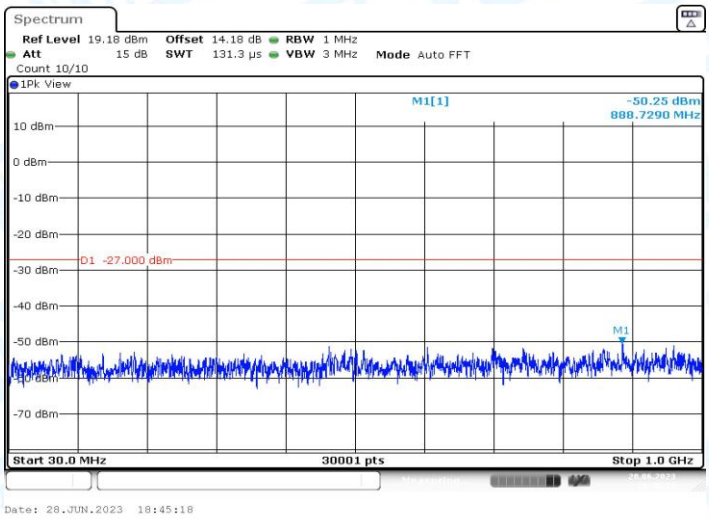
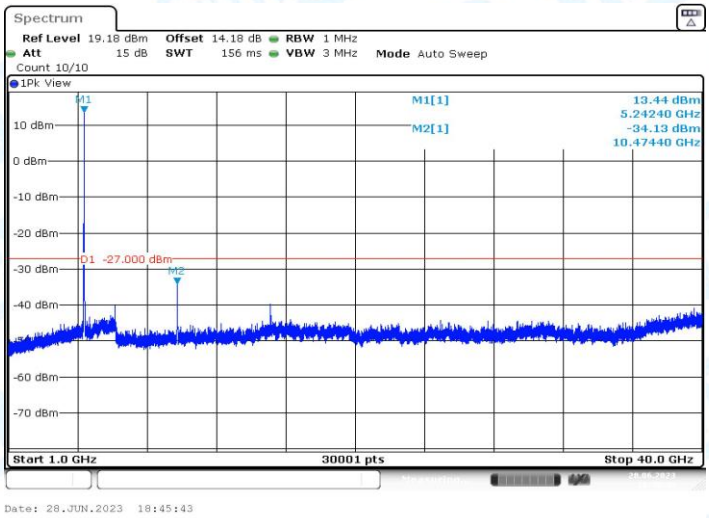


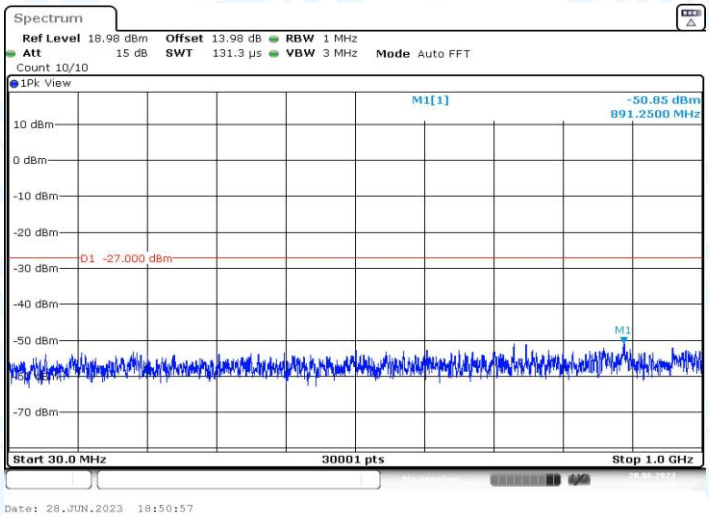
11AC20SISO_Ant1_5200_1000~40000



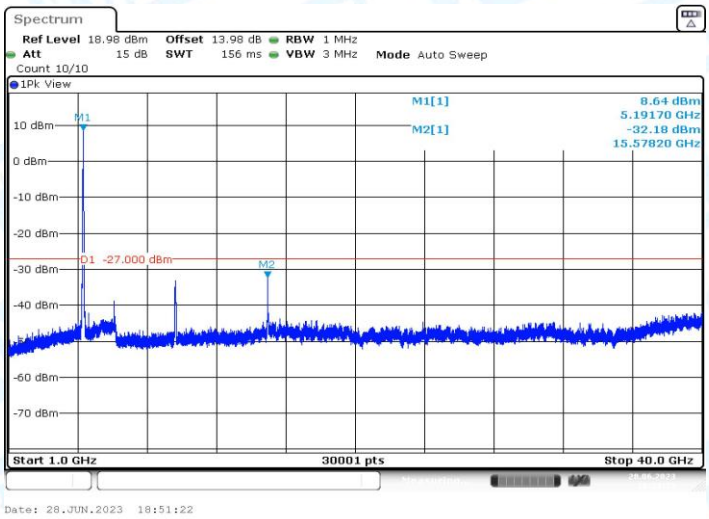
11AC20SISO_Ant1_5240_30~1000



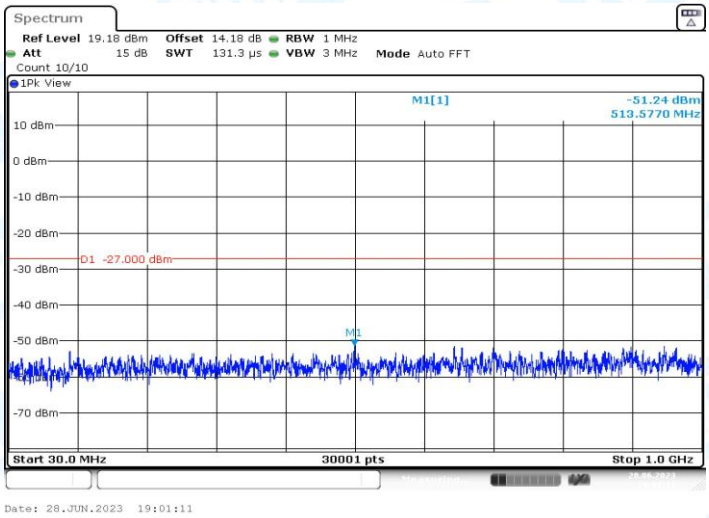
11AC20SISO_Ant1_5240_1000~40000



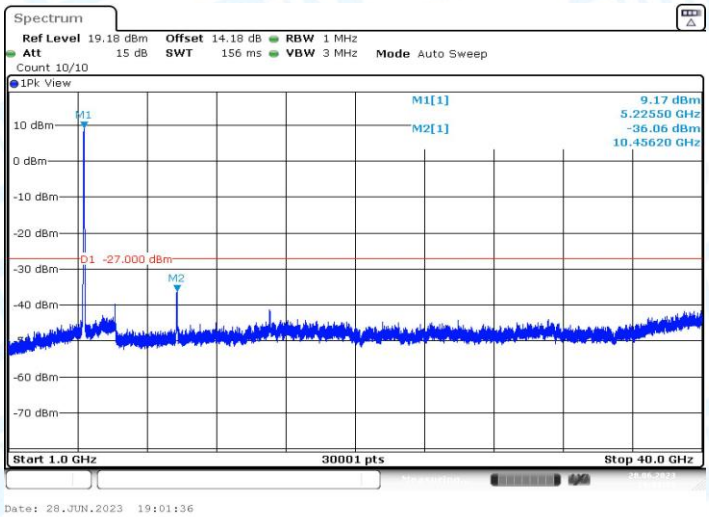
11AC40SISO_Ant1_5190_30~1000



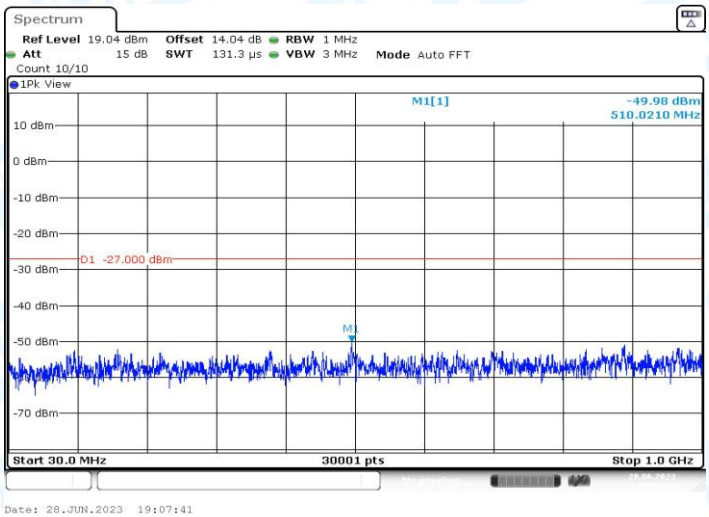
11AC40SISO_Ant1_5190_1000~40000



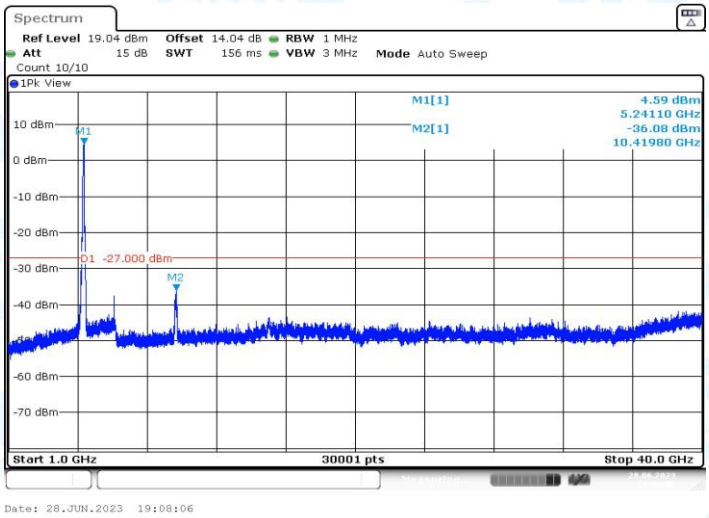
11AC40SISO_Ant1_5230_30~1000



11AC40SISO_Ant1_5230_1000~40000



11AC80SISO_Ant1_5210_30~1000



11AC80SISO_Ant1_5210_1000~40000

8. Frequency Stability

8.1.Test Result

Voltage								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AC20SISO	Ant1	5180	NV	NT	20000.00	3.861004	20	PASS
			LV	NT	40000.00	7.722008	20	PASS
			HV	NT	40000.00	7.722008	20	PASS
		5200	NV	NT	60000.00	11.538462	20	PASS
			LV	NT	20000.00	3.846154	20	PASS
			HV	NT	60000.00	11.538462	20	PASS
		5240	NV	NT	60000.00	11.450382	20	PASS
			LV	NT	60000.00	11.450382	20	PASS
			HV	NT	40000.00	7.633588	20	PASS
11AC40SISO	Ant1	5190	NV	NT	40000.00	7.707129	20	PASS
			LV	NT	40000.00	7.707129	20	PASS
			HV	NT	40000.00	7.707129	20	PASS
		5230	NV	NT	40000.00	7.648184	20	PASS
			LV	NT	40000.00	7.648184	20	PASS
			HV	NT	40000.00	7.648184	20	PASS
11AC80SISO	Ant1	5210	NV	NT	80000.00	15.355086	20	PASS
			LV	NT	80000.00	15.355086	20	PASS
			HV	NT	80000.00	15.355086	20	PASS

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AC20SISO	Ant1	5180	NV	-30	40000.00	7.722008	20	PASS
			NV	-20	20000.00	3.861004	20	PASS
			NV	-10	20000.00	3.861004	20	PASS
			NV	0	40000.00	7.722008	20	PASS
			NV	10	40000.00	7.722008	20	PASS
			NV	20	40000.00	7.722008	20	PASS
			NV	30	40000.00	7.722008	20	PASS
			NV	40	20000.00	3.861004	20	PASS
			NV	50	40000.00	7.722008	20	PASS
		5200	NV	-30	60000.00	11.538462	20	PASS
			NV	-20	40000.00	7.692308	20	PASS
			NV	-10	40000.00	7.692308	20	PASS
			NV	0	60000.00	11.538462	20	PASS
			NV	10	60000.00	11.538462	20	PASS
			NV	20	40000.00	7.692308	20	PASS
			NV	30	40000.00	7.692308	20	PASS

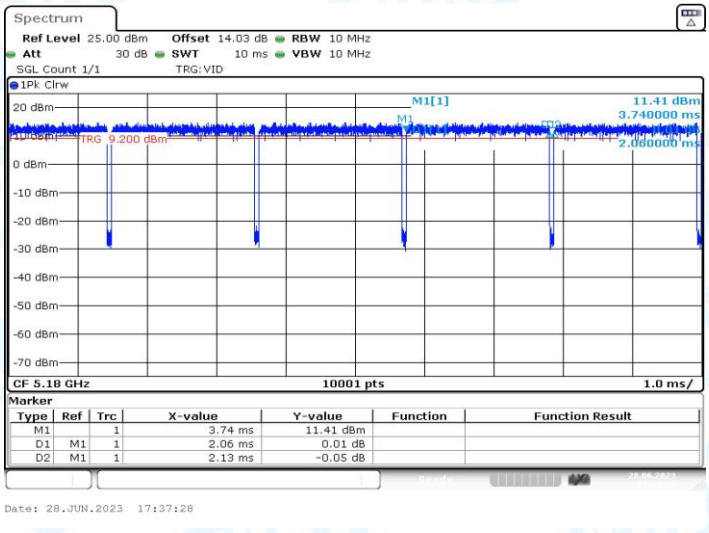
			NV	40	60000.00	11.538462	20	PASS
			NV	50	40000.00	7.692308	20	PASS
		5240	NV	-30	60000.00	11.450382	20	PASS
			NV	-20	60000.00	11.450382	20	PASS
			NV	-10	60000.00	11.450382	20	PASS
			NV	0	60000.00	11.450382	20	PASS
			NV	10	60000.00	11.450382	20	PASS
			NV	20	60000.00	11.450382	20	PASS
			NV	30	60000.00	11.450382	20	PASS
			NV	40	40000.00	7.633588	20	PASS
			NV	50	60000.00	11.450382	20	PASS
11AC40SISO	Ant1	5190	NV	-30	40000.00	7.707129	20	PASS
			NV	-20	40000.00	7.707129	20	PASS
			NV	-10	80000.00	15.414258	20	PASS
			NV	0	40000.00	7.707129	20	PASS
			NV	10	40000.00	7.707129	20	PASS
			NV	20	40000.00	7.707129	20	PASS
			NV	30	40000.00	7.707129	20	PASS
			NV	40	40000.00	7.707129	20	PASS
			NV	50	40000.00	7.707129	20	PASS
		5230	NV	-30	40000.00	7.648184	20	PASS
			NV	-20	40000.00	7.648184	20	PASS
			NV	-10	40000.00	7.648184	20	PASS
			NV	0	40000.00	7.648184	20	PASS
			NV	10	40000.00	7.648184	20	PASS
			NV	20	40000.00	7.648184	20	PASS
			NV	30	80000.00	15.296367	20	PASS
			NV	40	40000.00	7.648184	20	PASS
			NV	50	40000.00	7.648184	20	PASS
11AC80SISO	Ant1	5210	NV	-30	80000.00	15.355086	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	80000.00	15.355086	20	PASS
			NV	0	80000.00	15.355086	20	PASS
			NV	10	80000.00	15.355086	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	80000.00	15.355086	20	PASS
			NV	40	80000.00	15.355086	20	PASS
			NV	50	0.00	0.000000	20	PASS

9. Duty Cycle

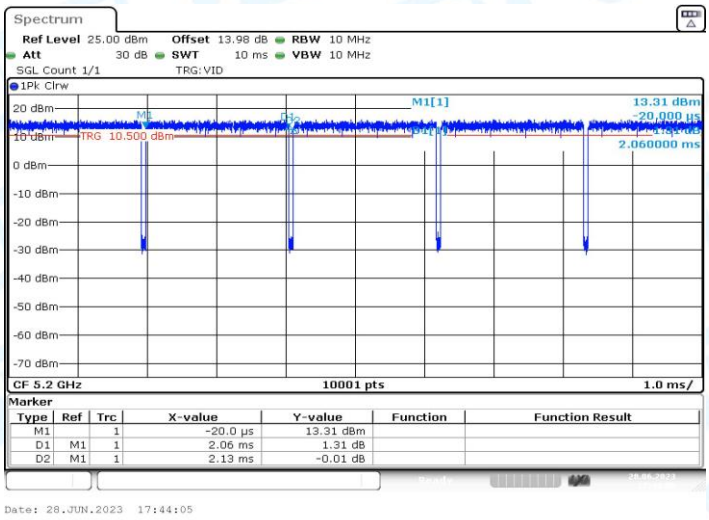
9.1.Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T [KHz]	Limit	Verdict
11A	Ant1	5180	2.06	2.13	96.71	0.485	---	---
		5200	2.06	2.13	96.71	0.485	---	---
		5240	2.07	2.13	97.18	0.483	---	---
11N20SISO	Ant1	5180	5.00	5.07	98.62	0.200	---	---
		5200	5.00	5.06	98.81	0.200	---	---
		5240	5.00	5.07	98.62	0.200	---	---
11N40SISO	Ant1	5190	2.43	2.49	97.59	0.412	---	---
		5230	2.43	2.49	97.59	0.412	---	---
11AC20SISO	Ant1	5180	5.01	5.07	98.82	0.199	---	---
		5200	5.01	5.08	98.62	0.199	---	---
		5240	5.01	5.07	98.82	0.199	---	---
11AC40SISO	Ant1	5190	2.44	2.50	97.60	0.409	---	---
		5230	2.44	2.51	97.21	0.409	---	---
11AC80SISO	Ant1	5210	1.15	1.22	94.26	0.869	---	---

9.2.Test Graphs



11A_Ant1_5180



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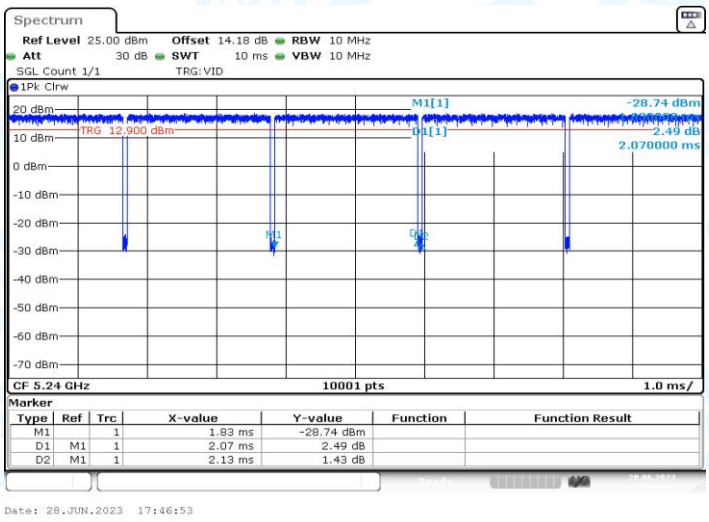

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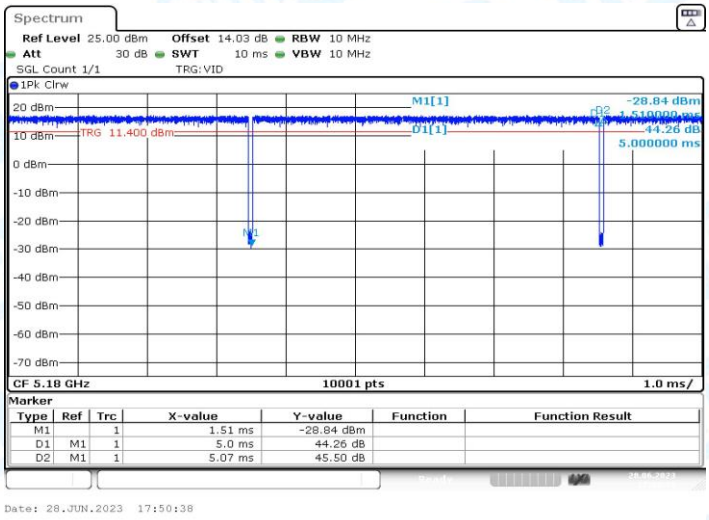

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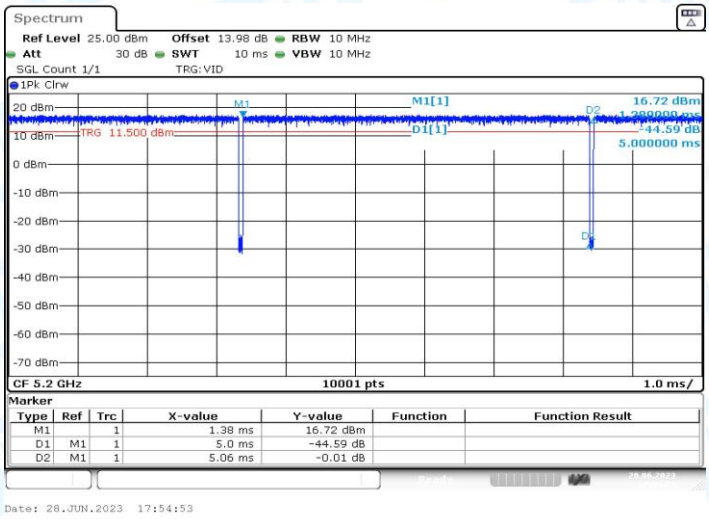

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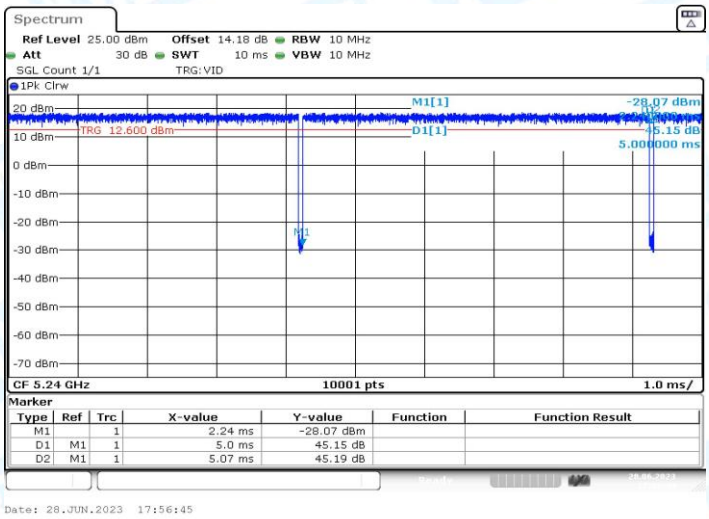

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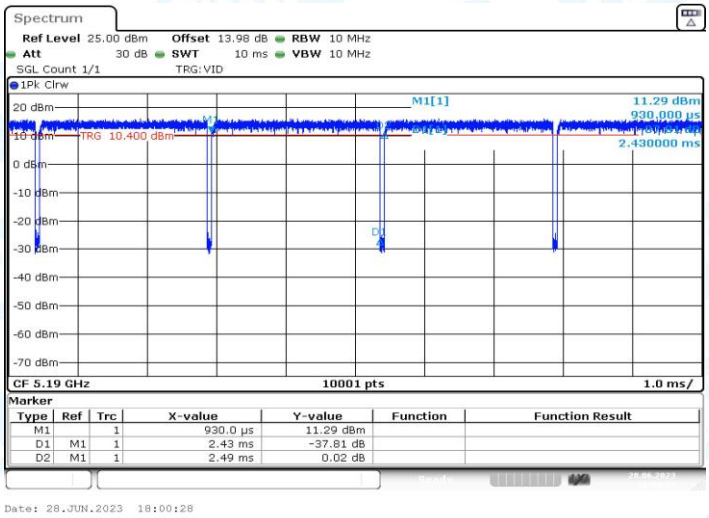

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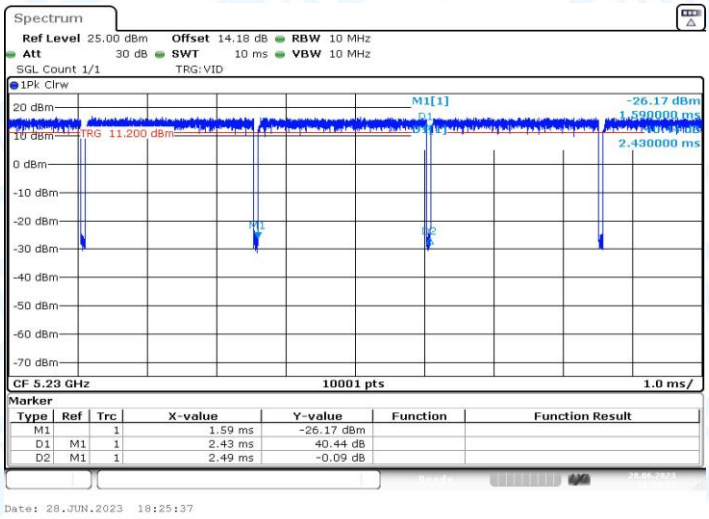

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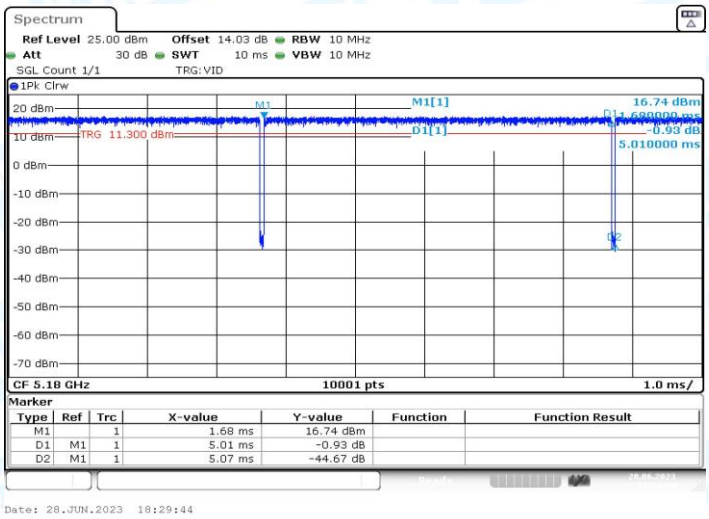

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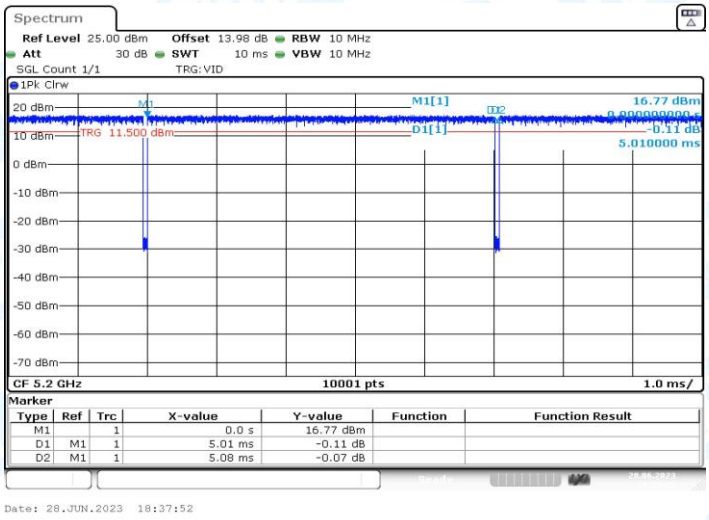

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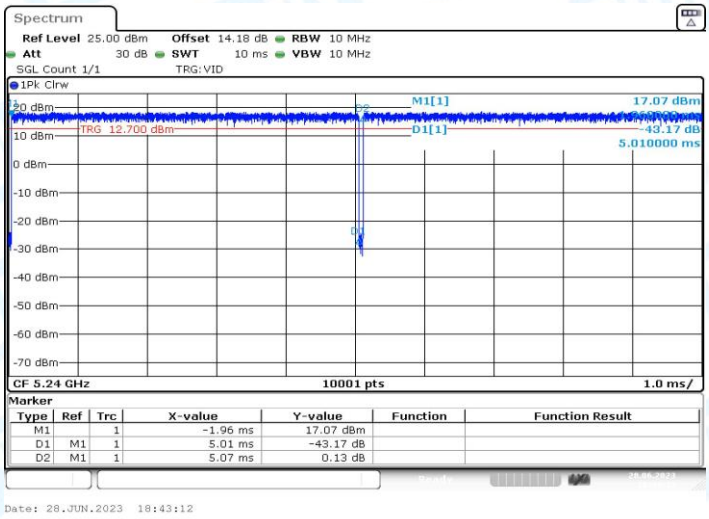

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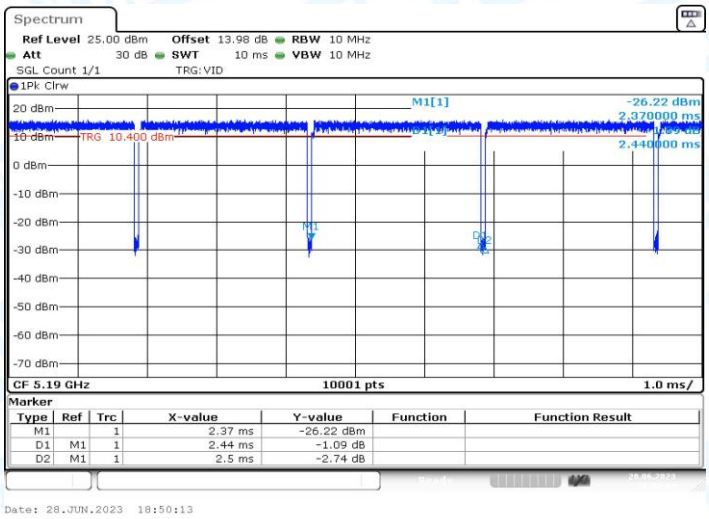

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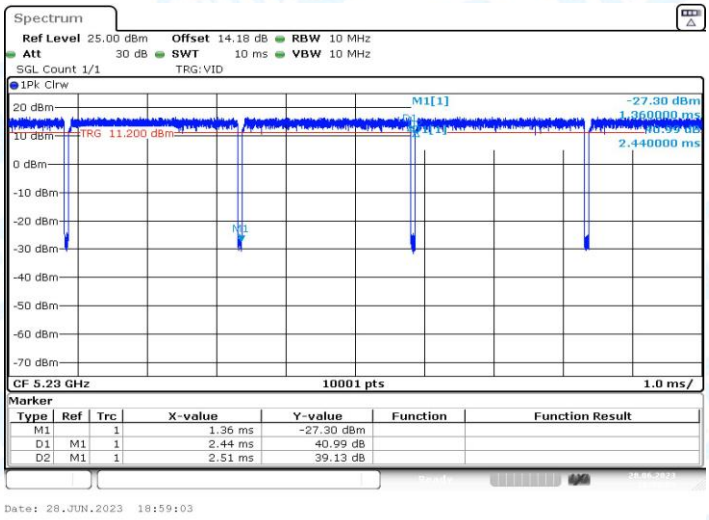

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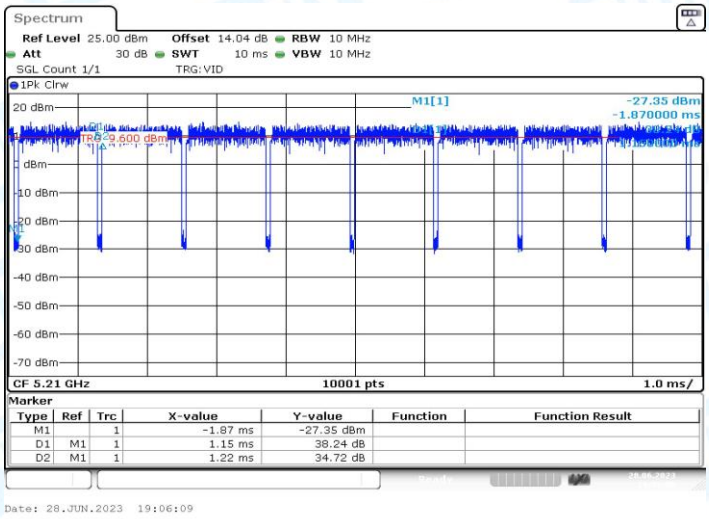

11AC80SISO_Ant1_5210

-----End of the report-----