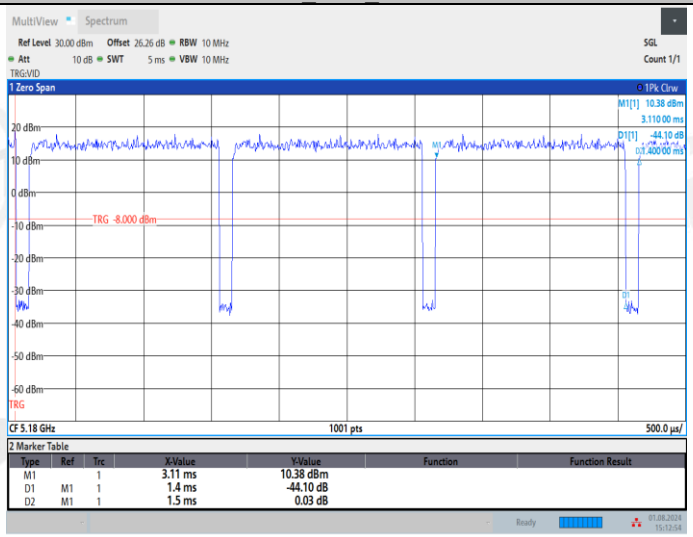
7.5. Test graphs

11A_Ant1_5180



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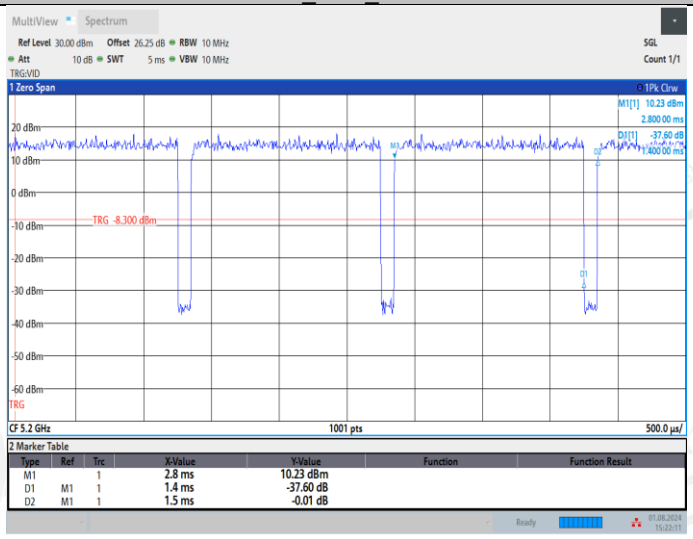

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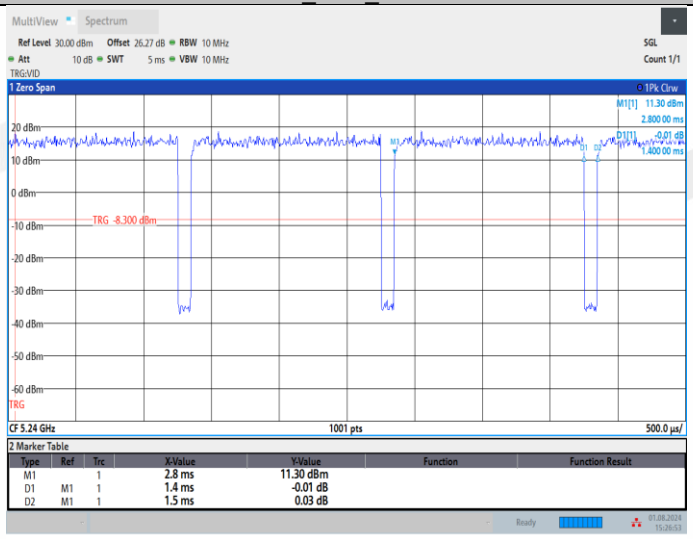

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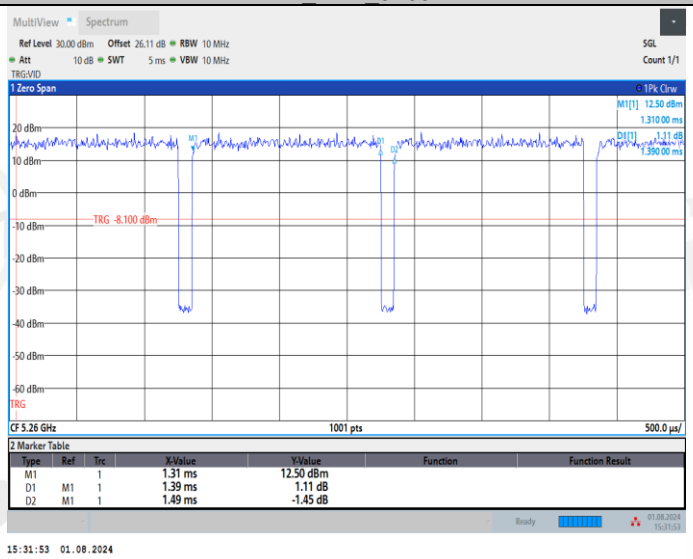

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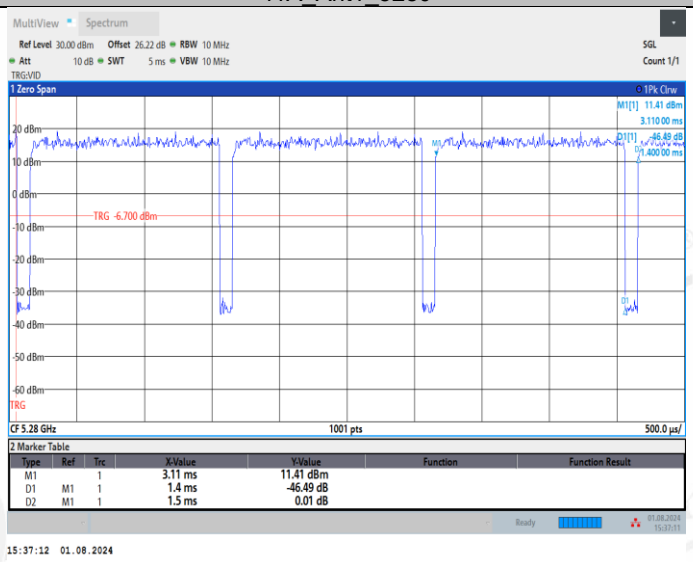

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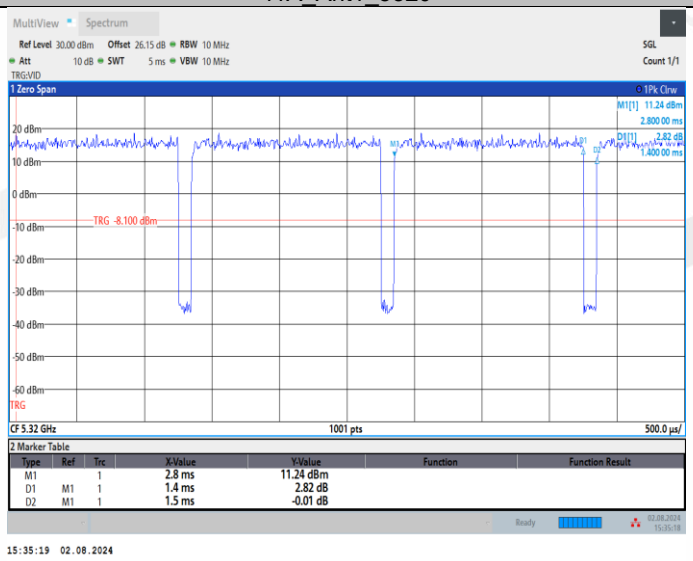

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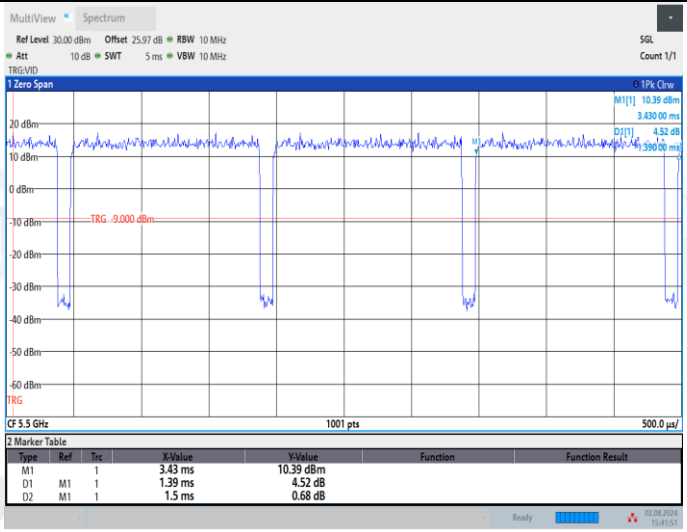

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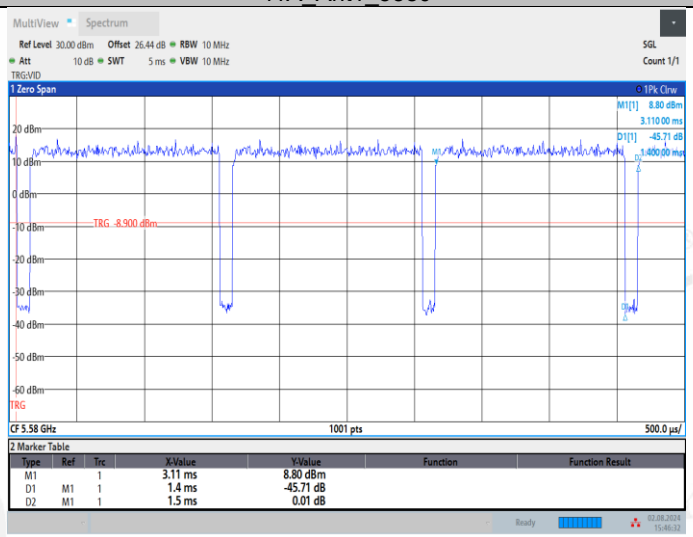

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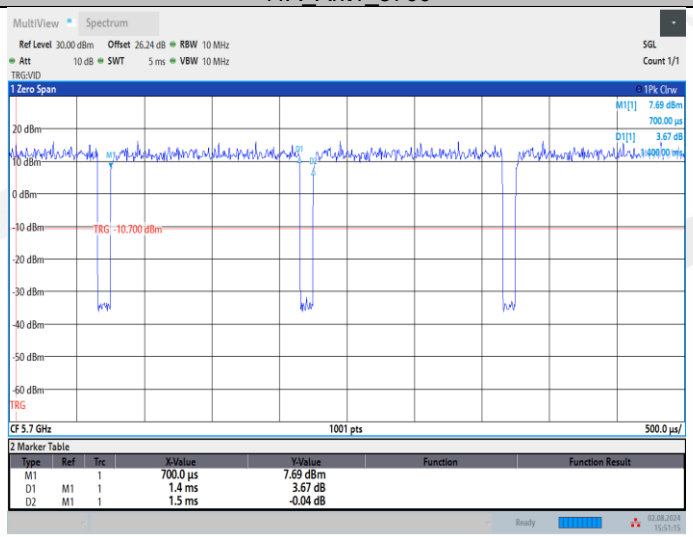

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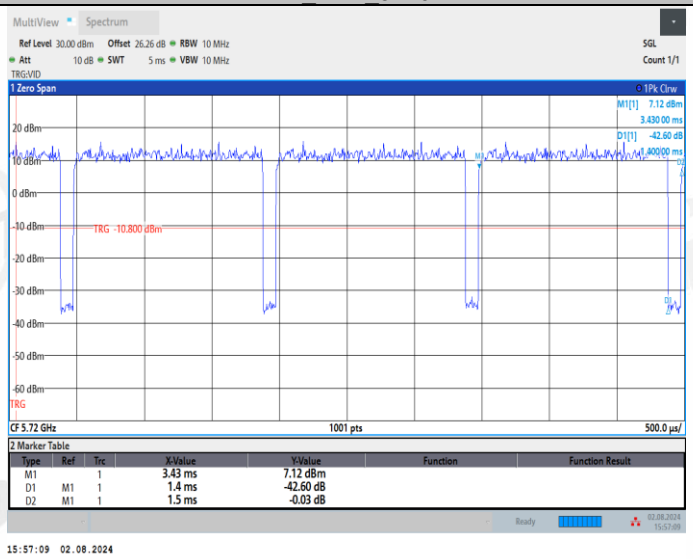

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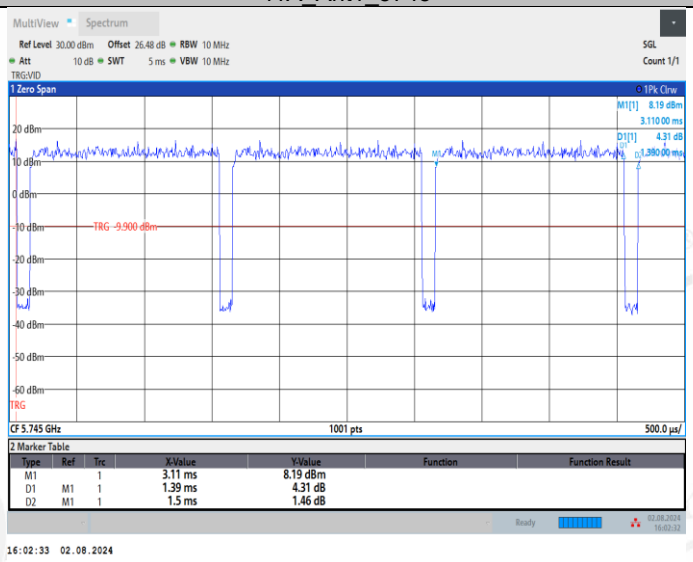

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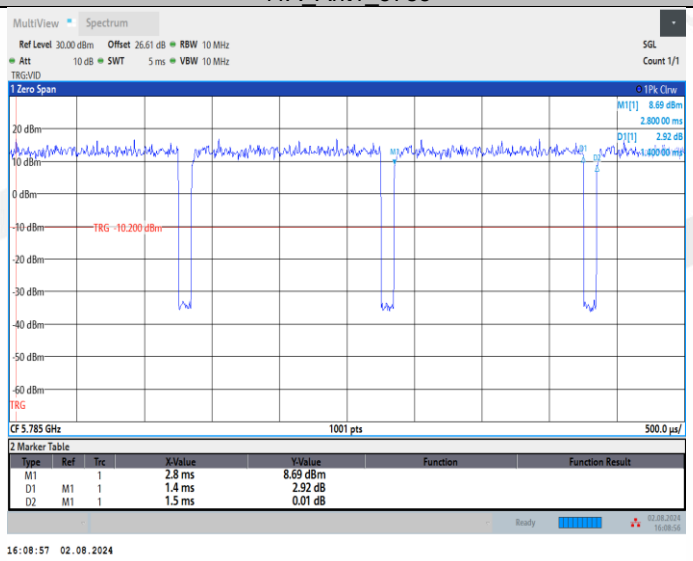

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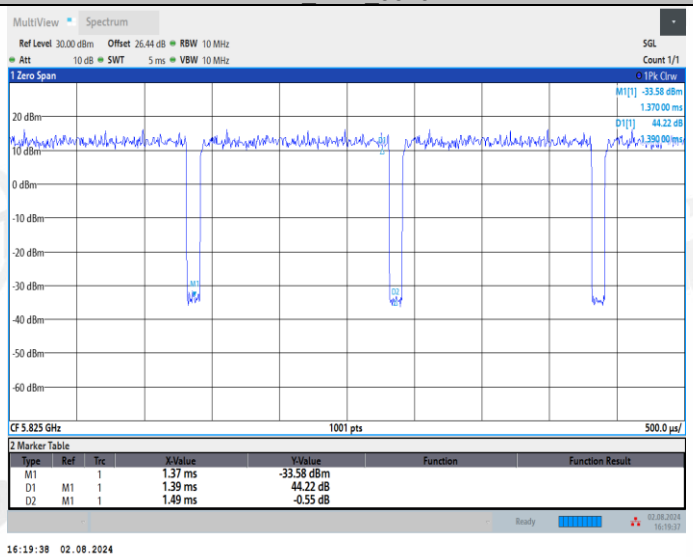

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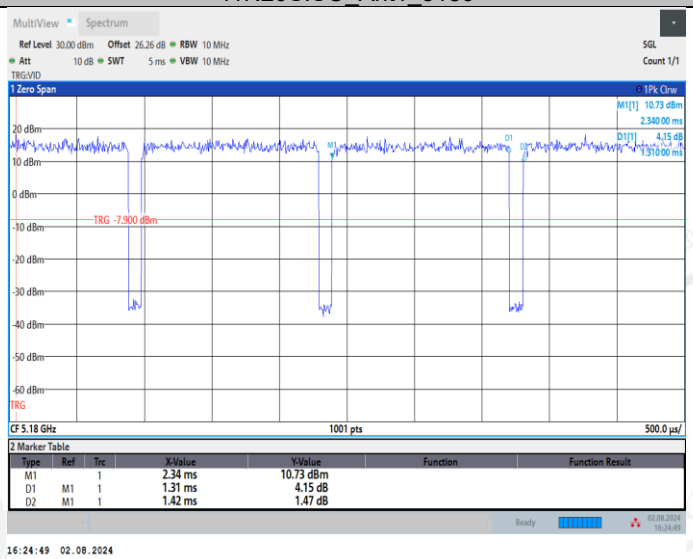

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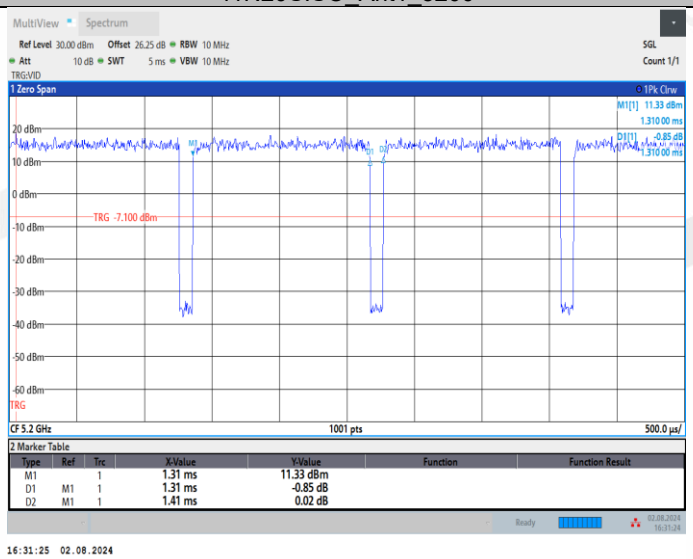

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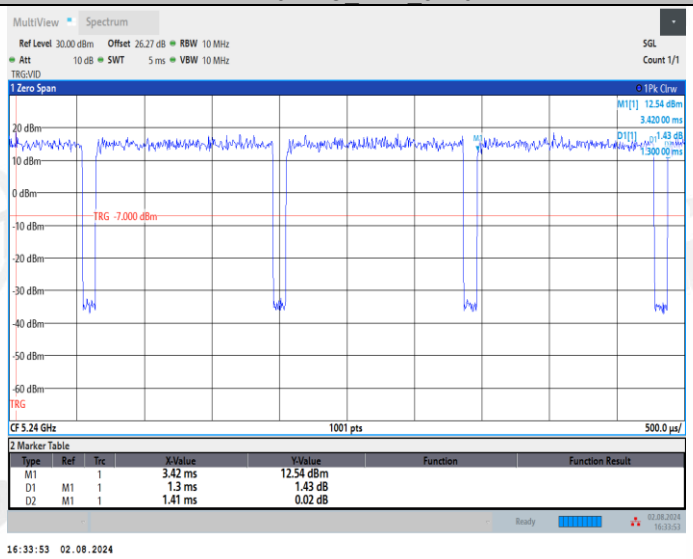

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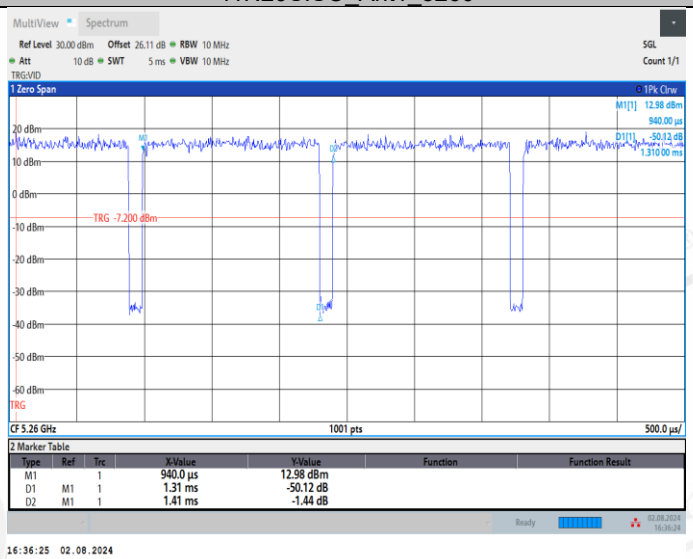

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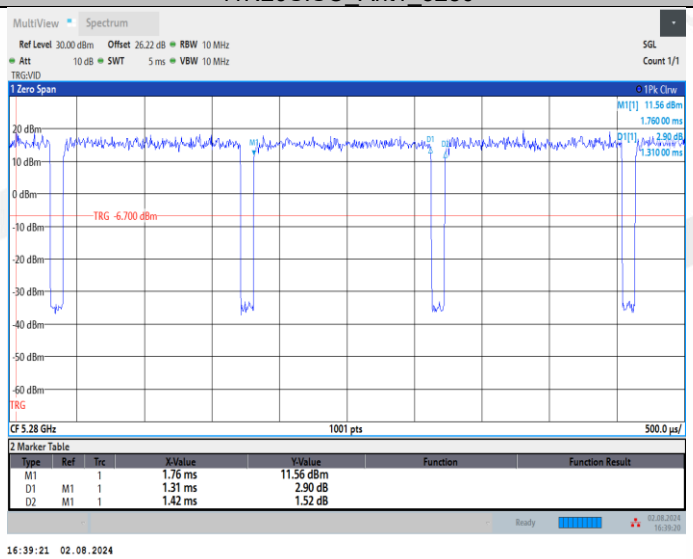

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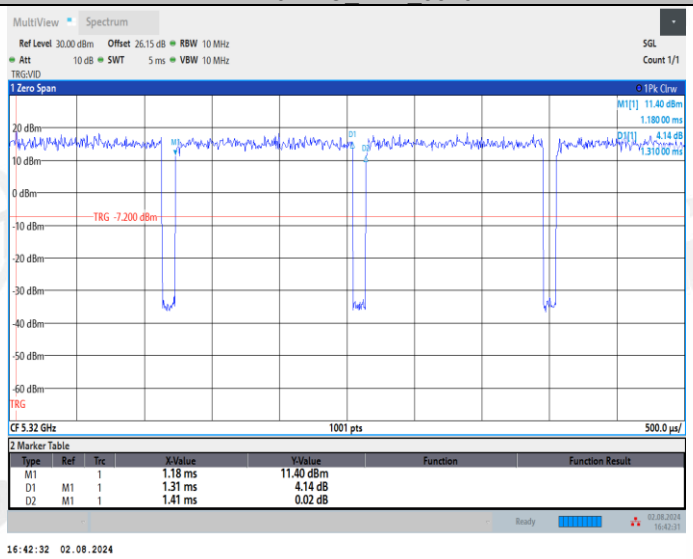

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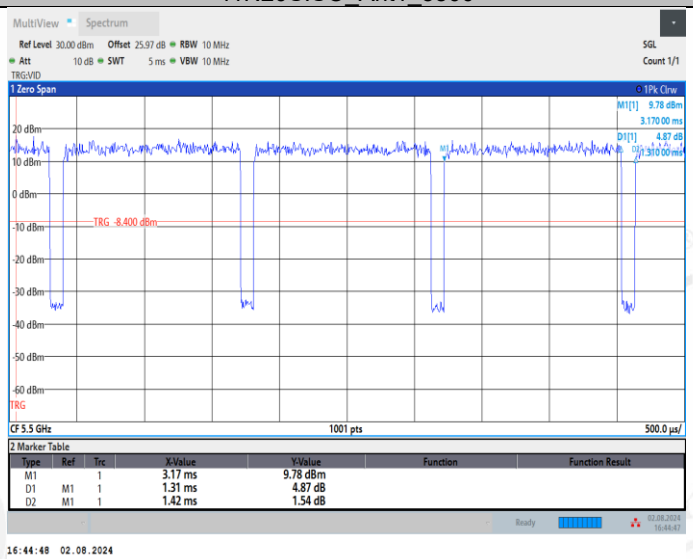

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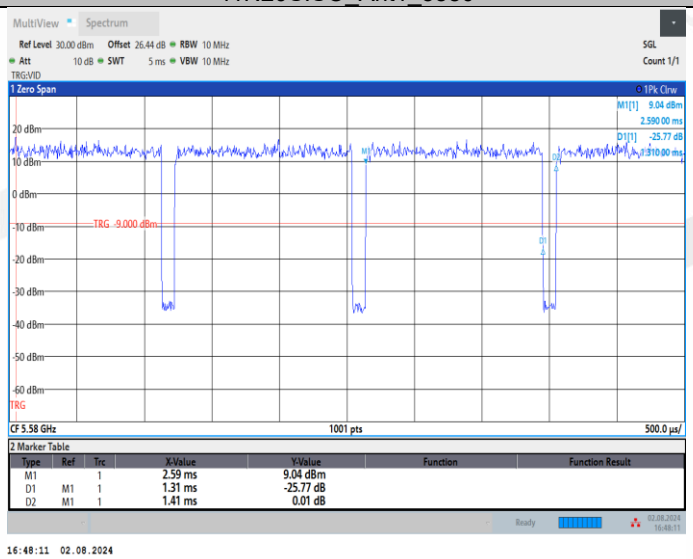

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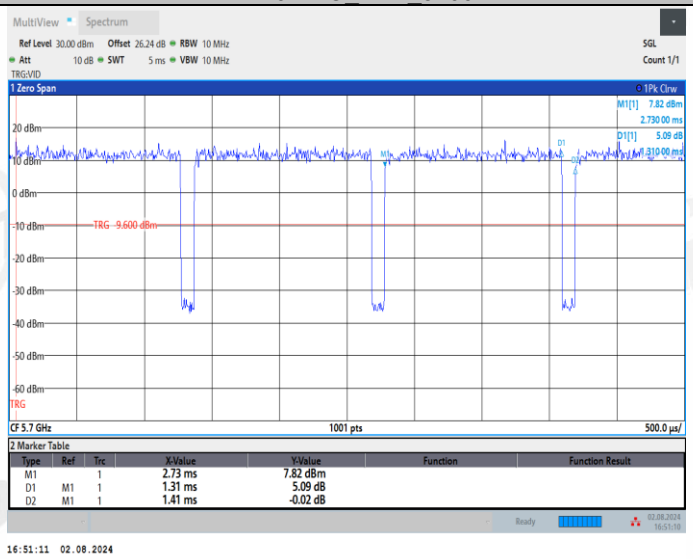

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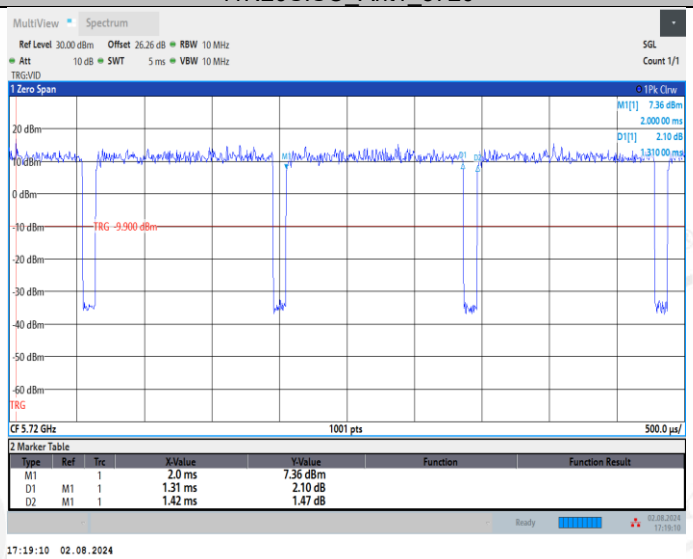

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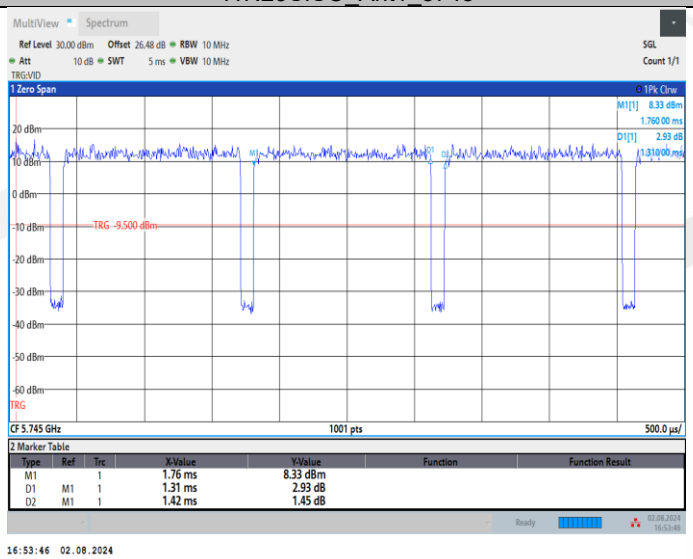

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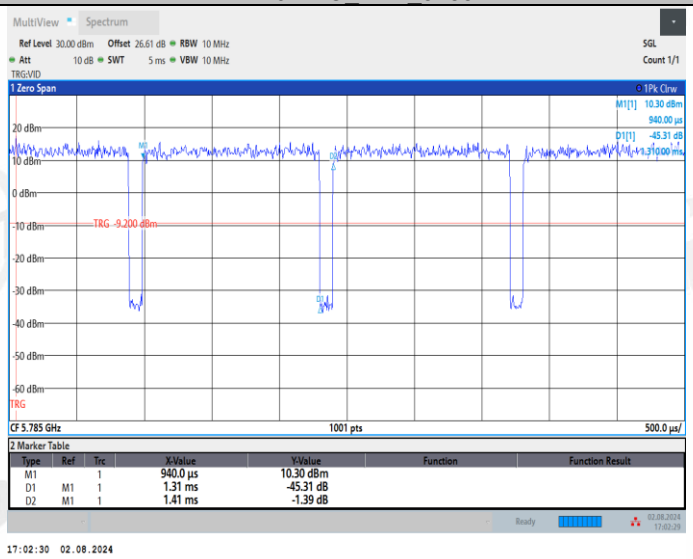

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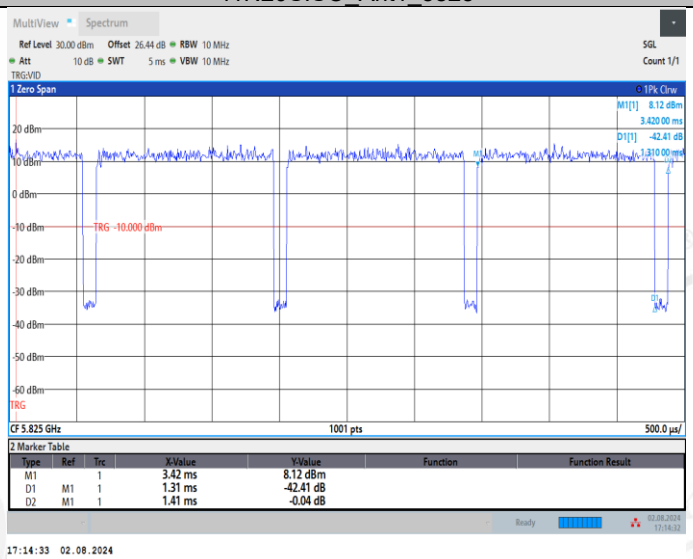

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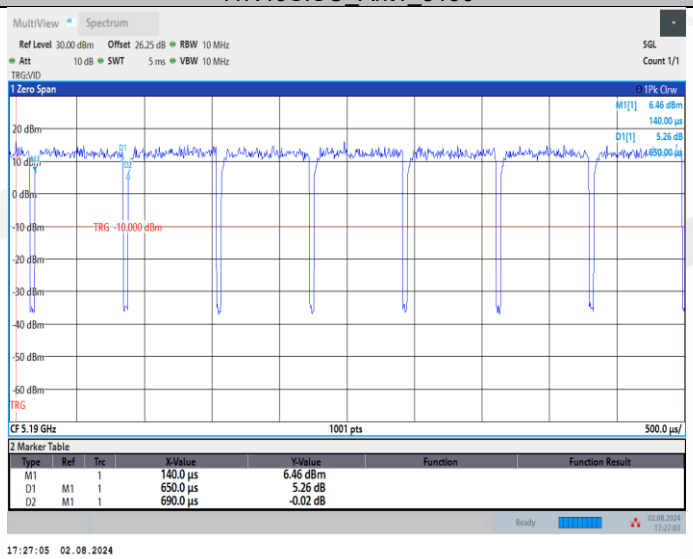

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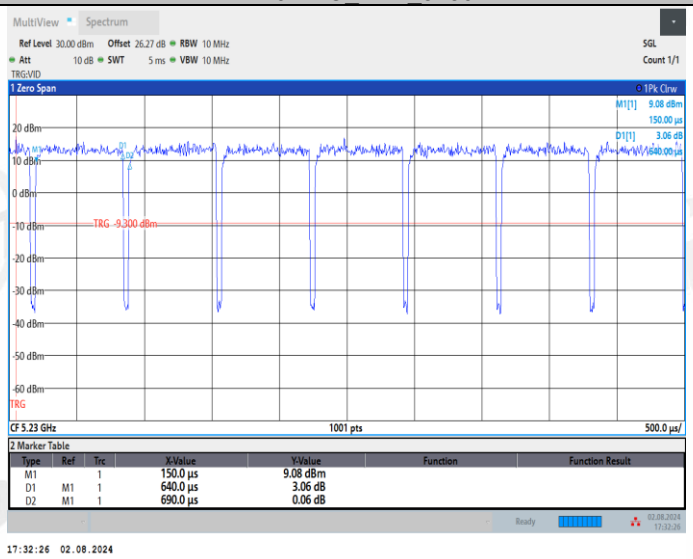

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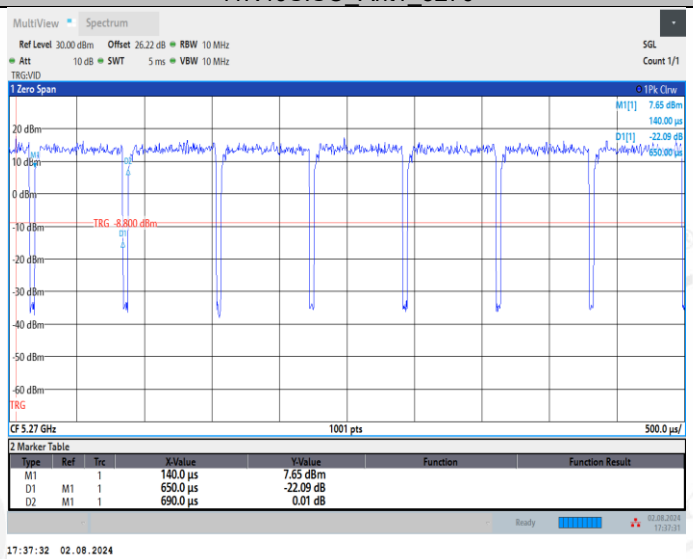

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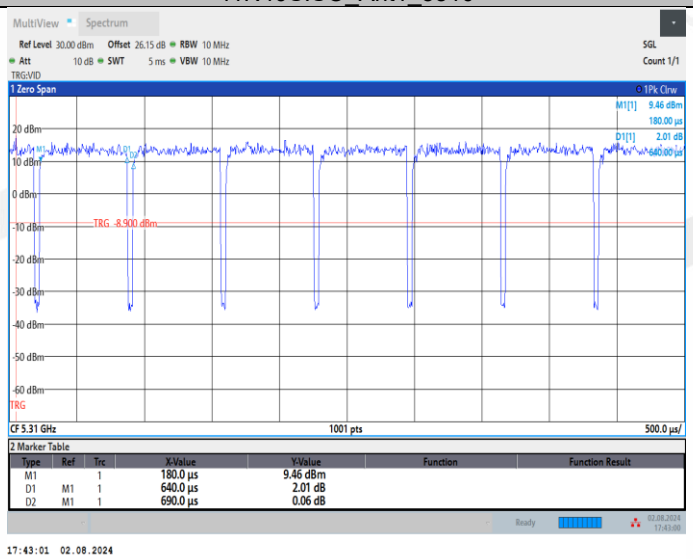

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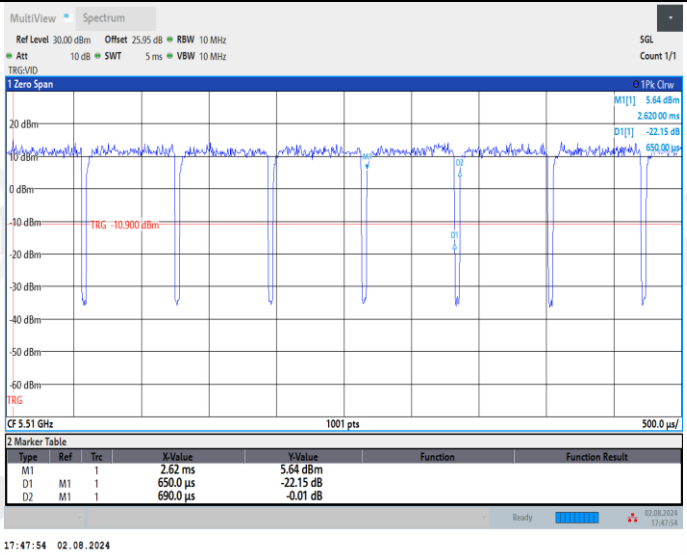

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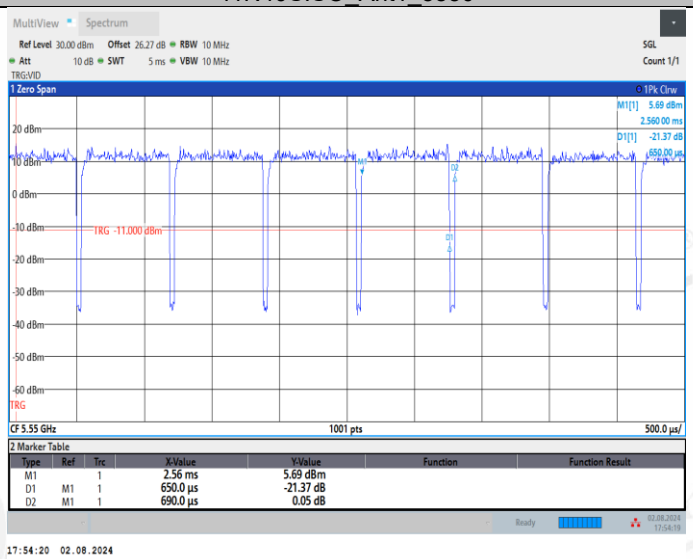

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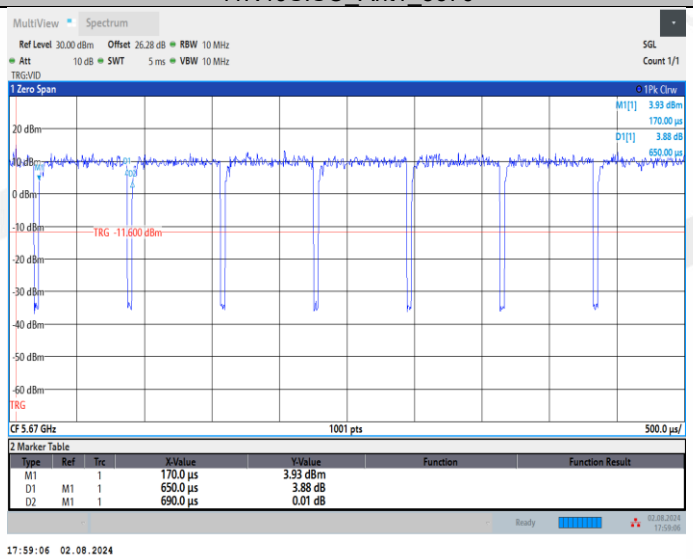

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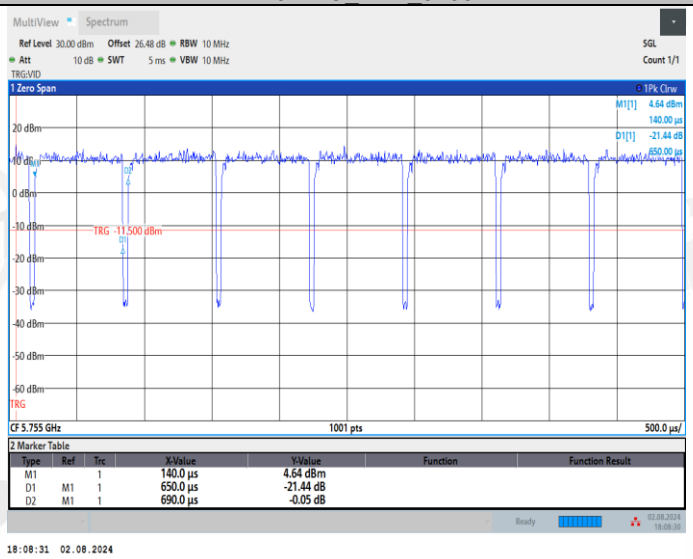

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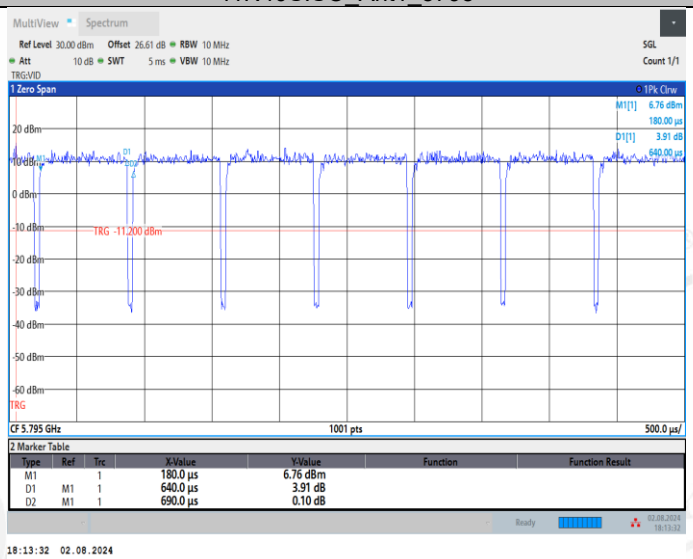

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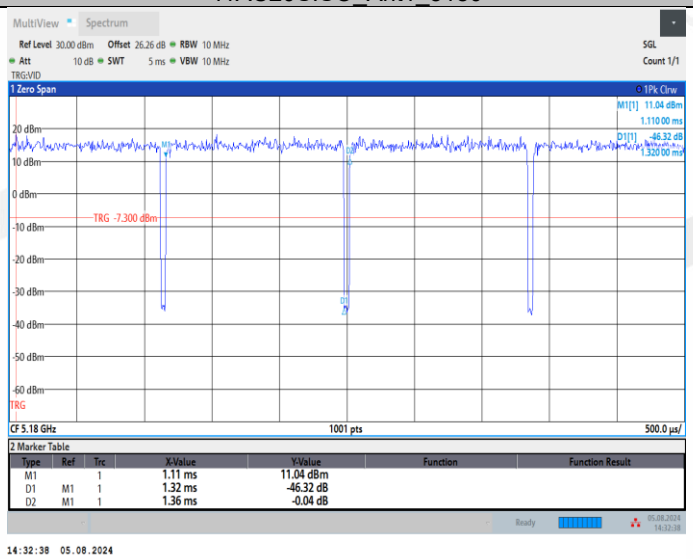

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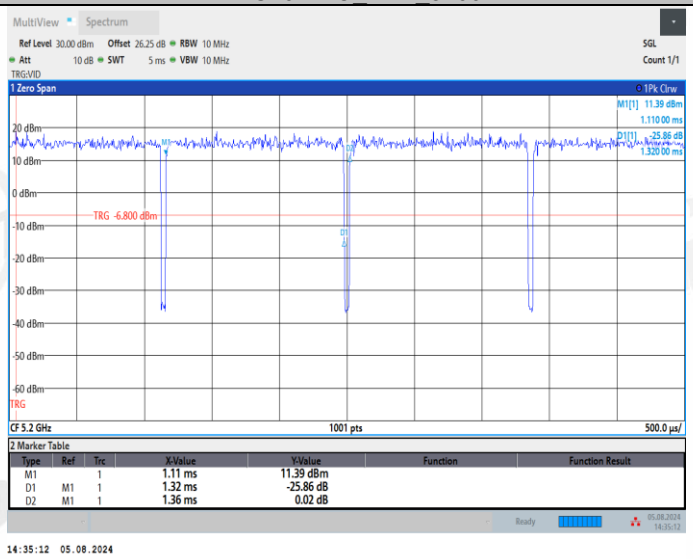

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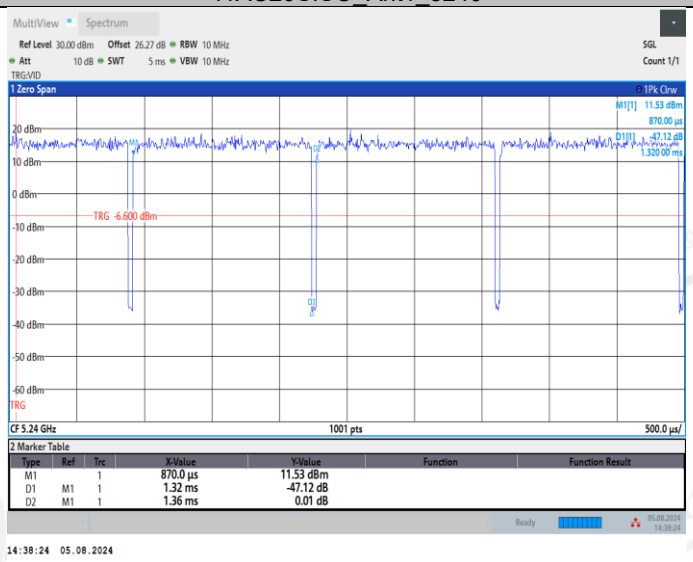

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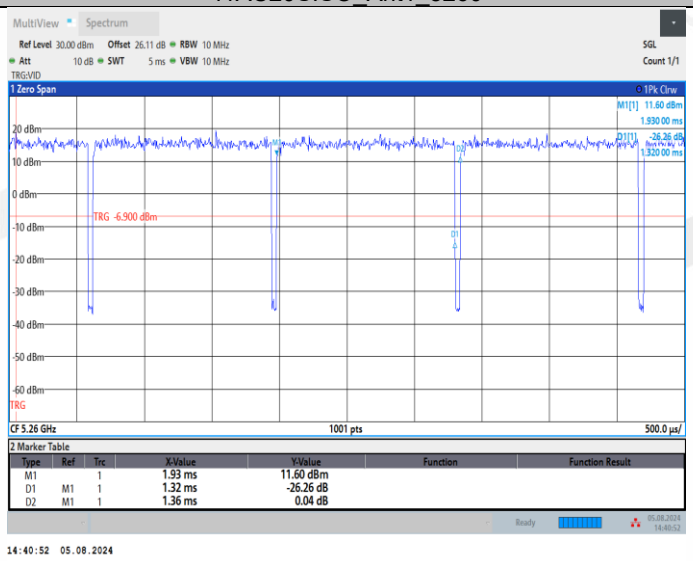

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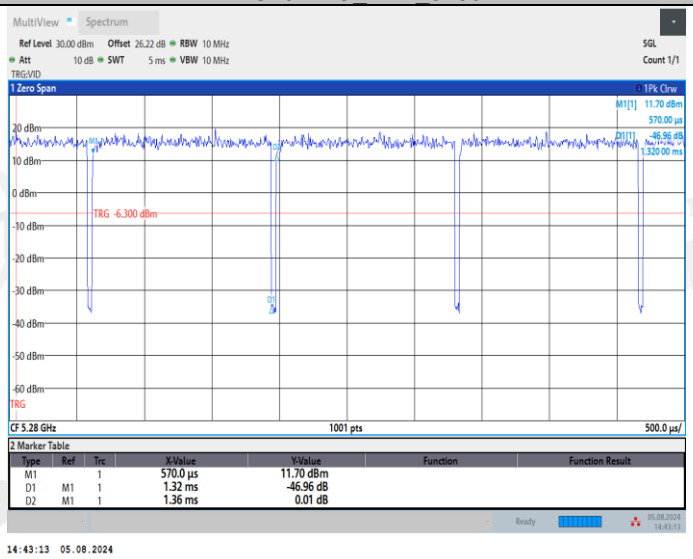

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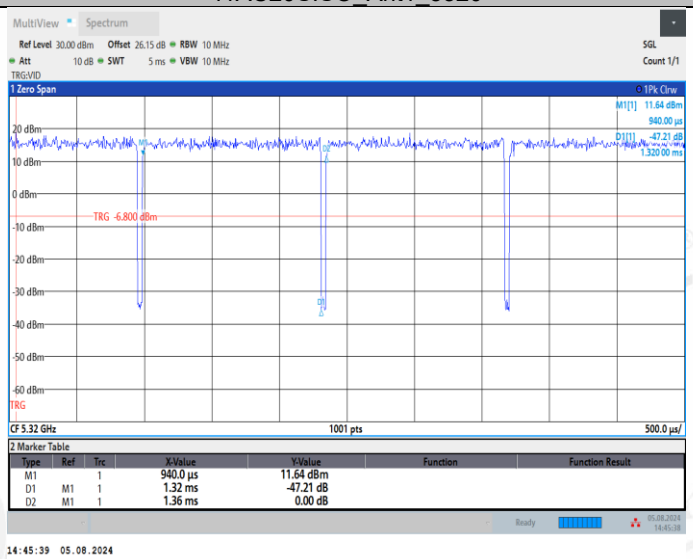

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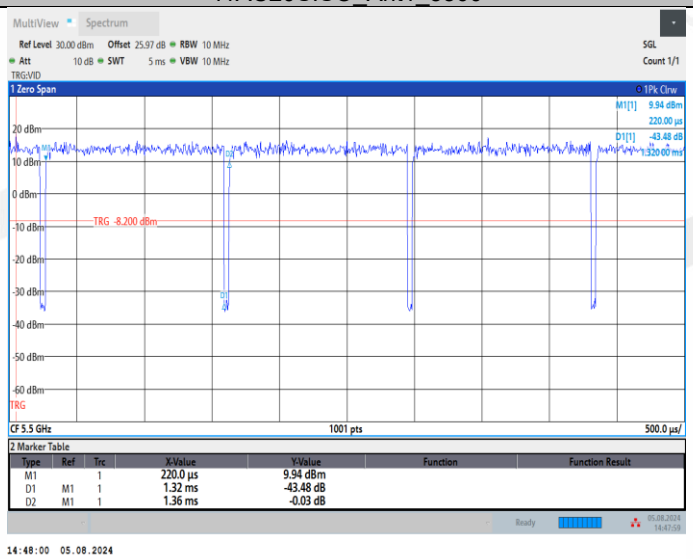

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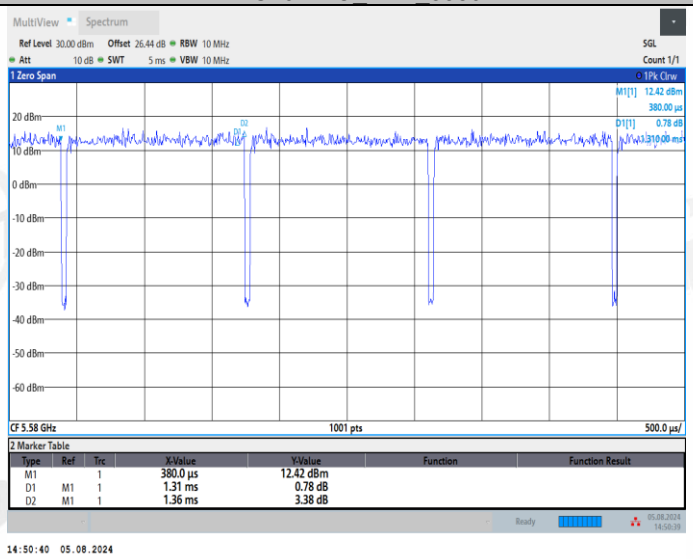

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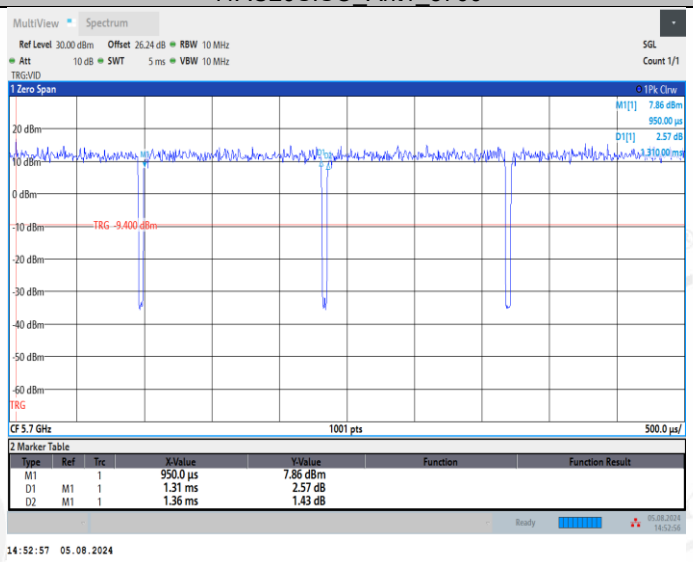

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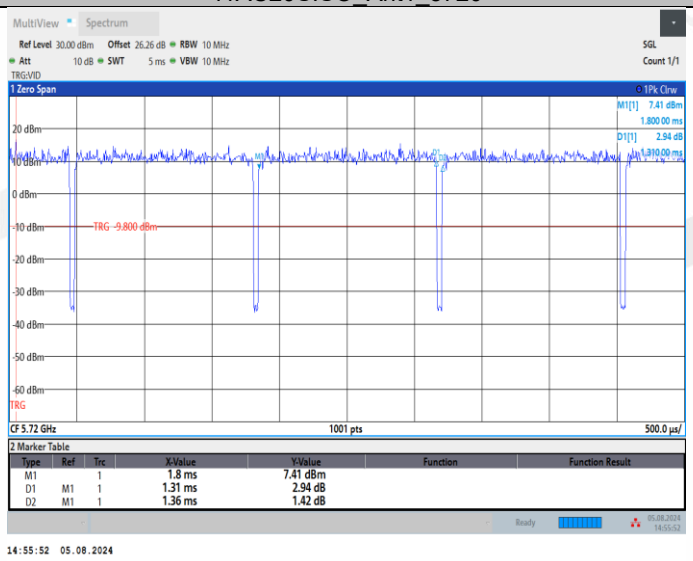

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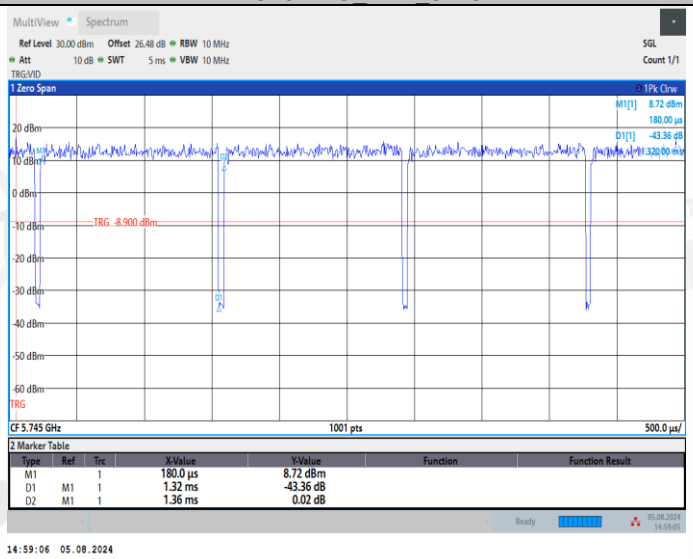

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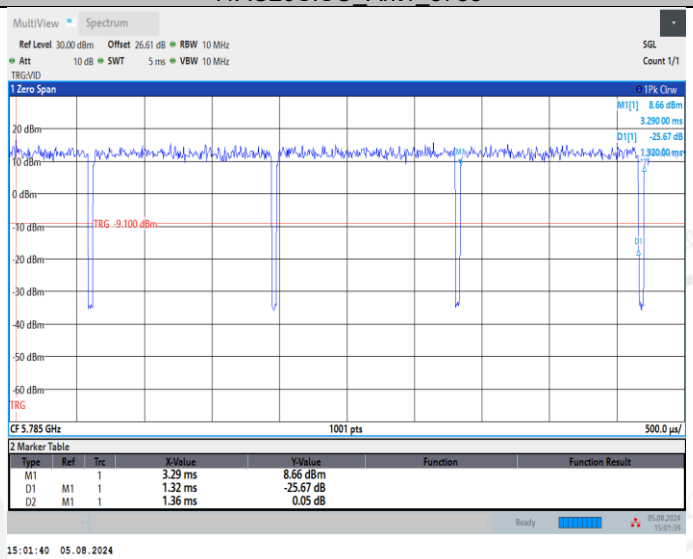

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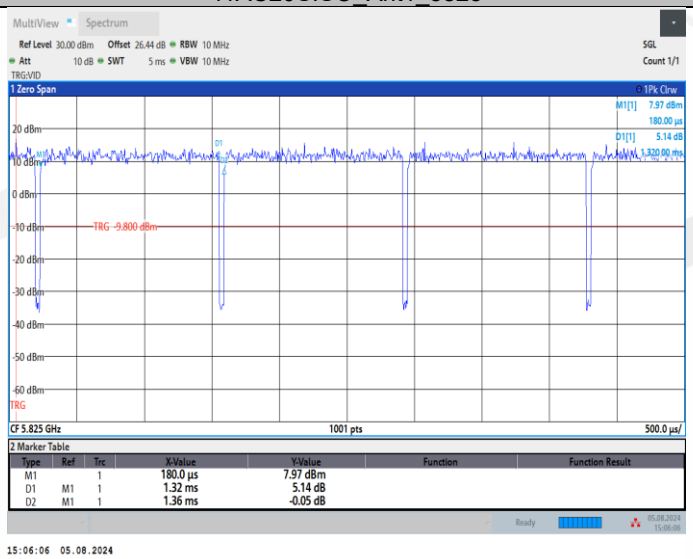

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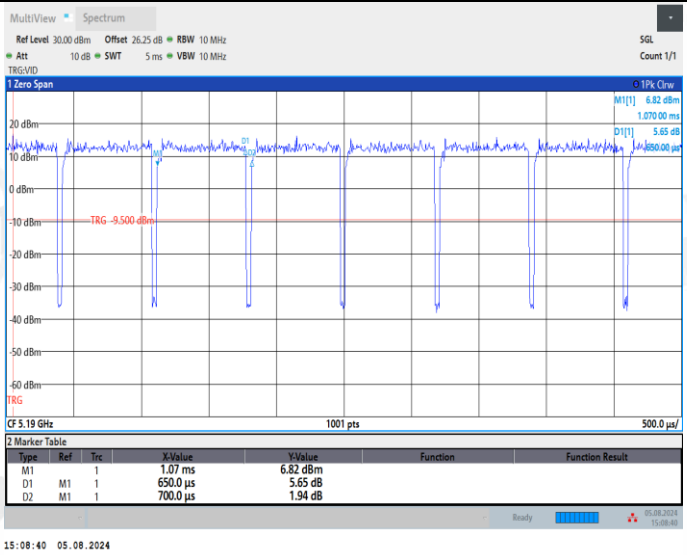

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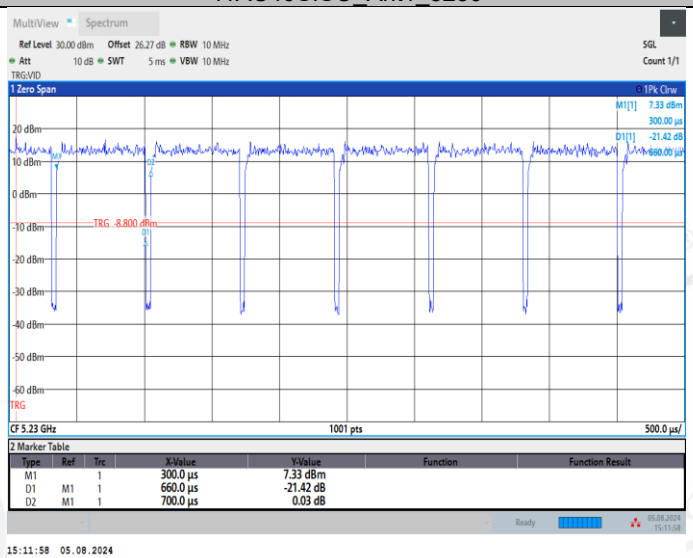

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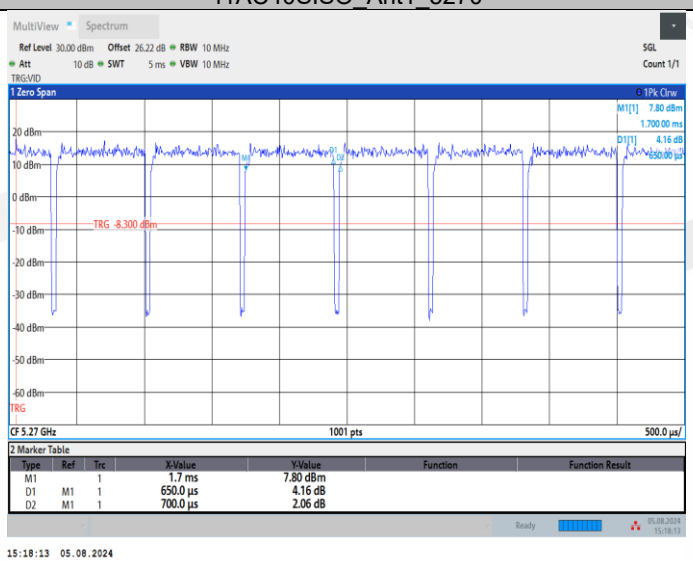

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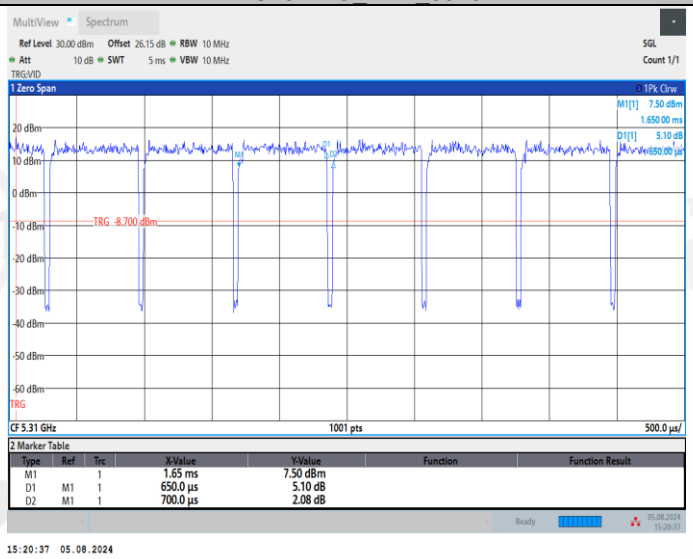

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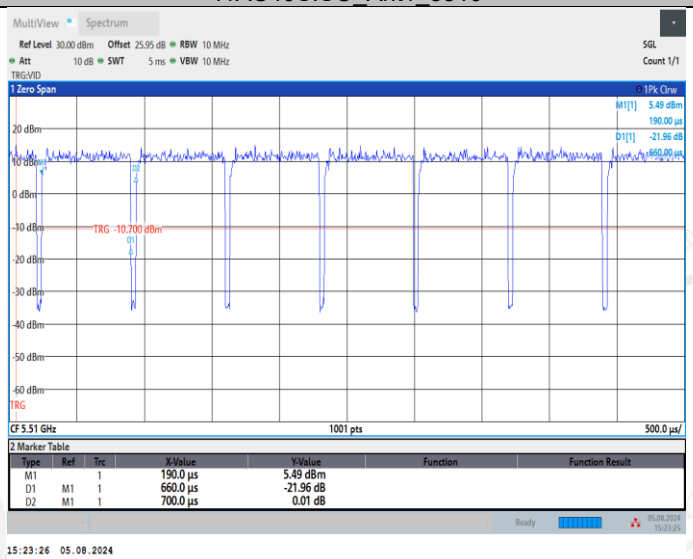

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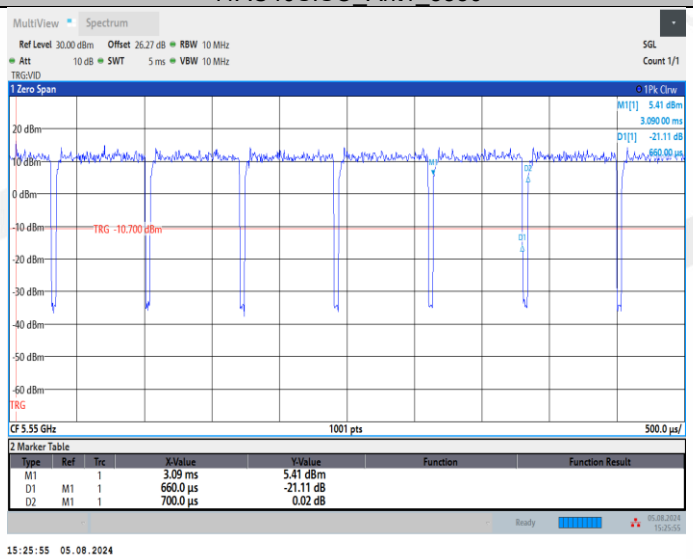

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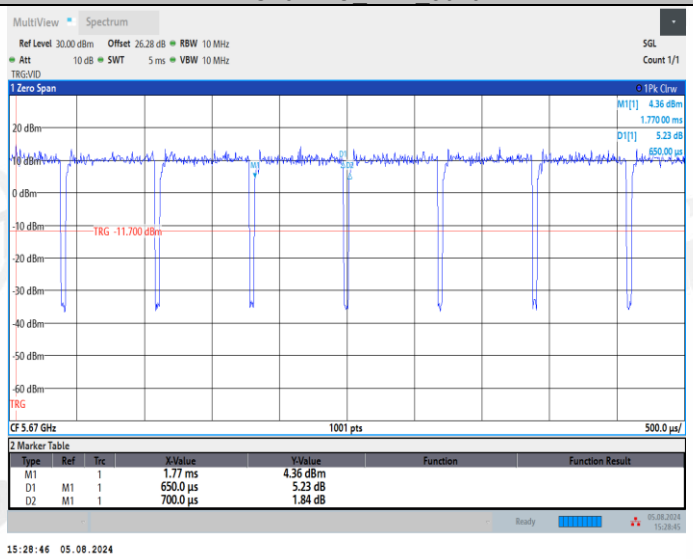

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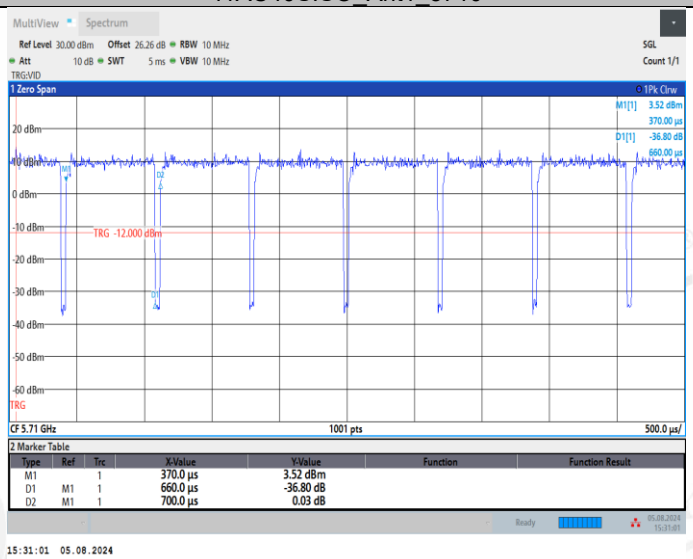

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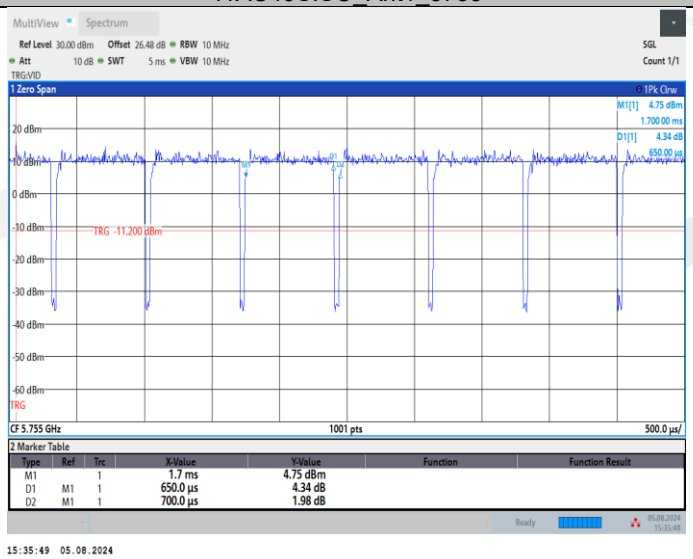
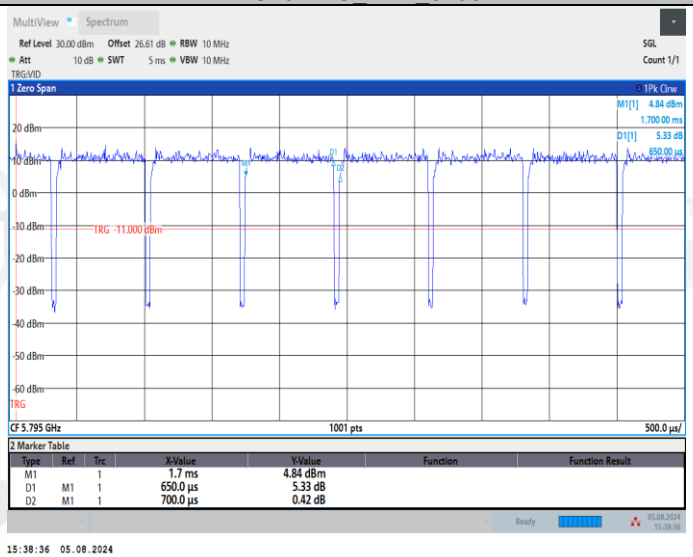
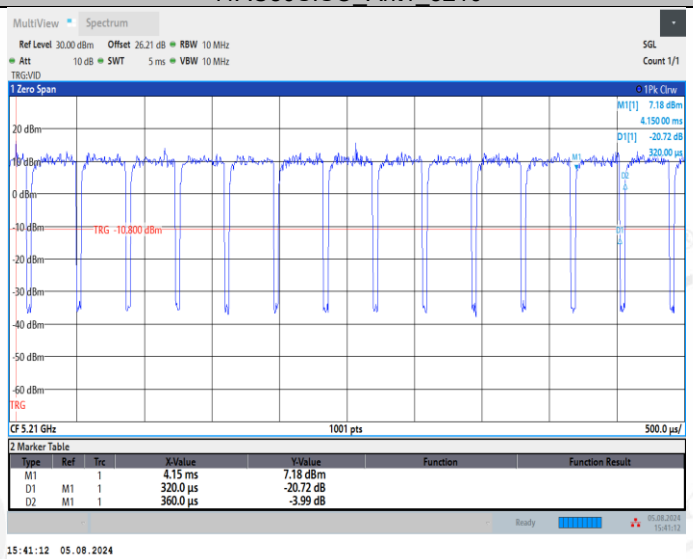


11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



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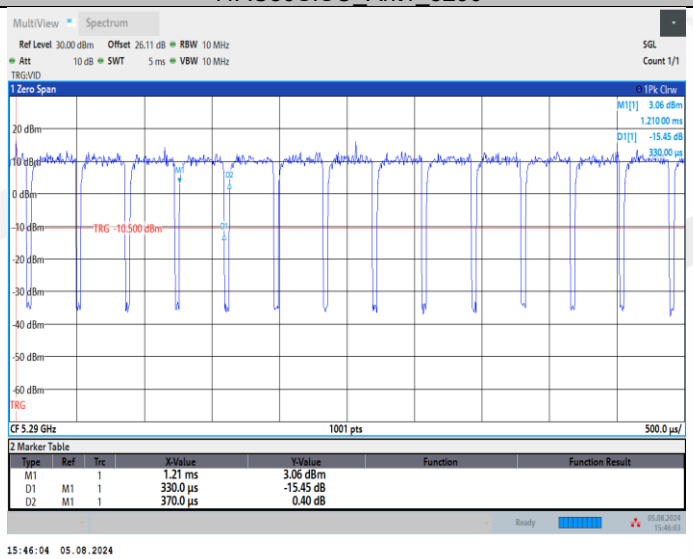
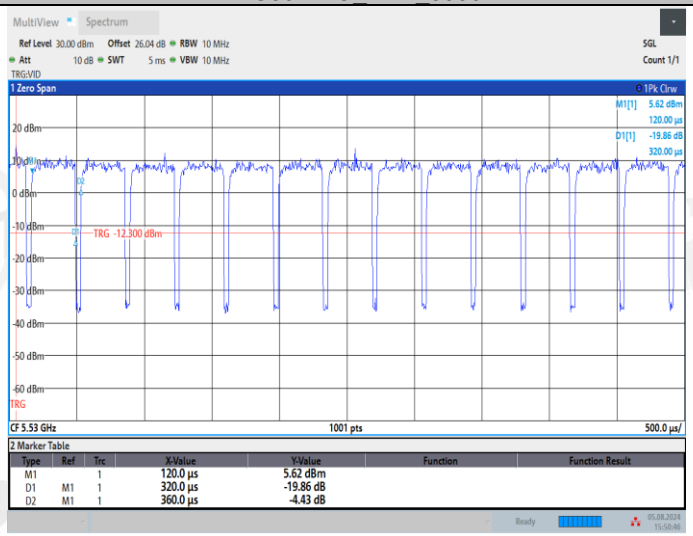


11AC80SISO_Ant1_5530



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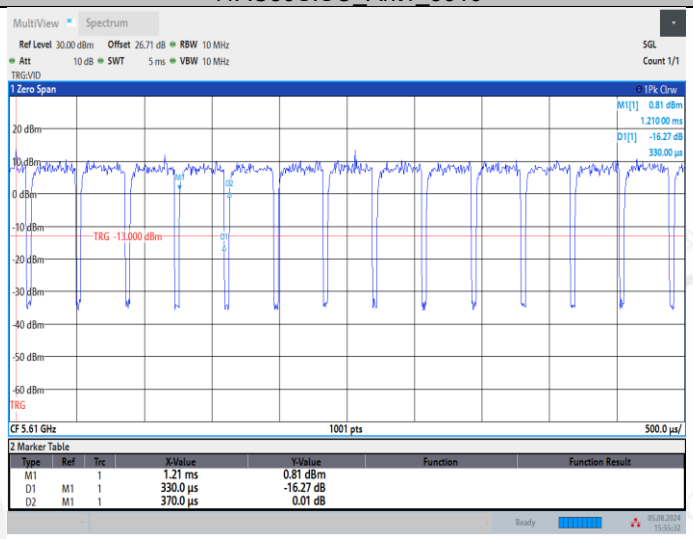

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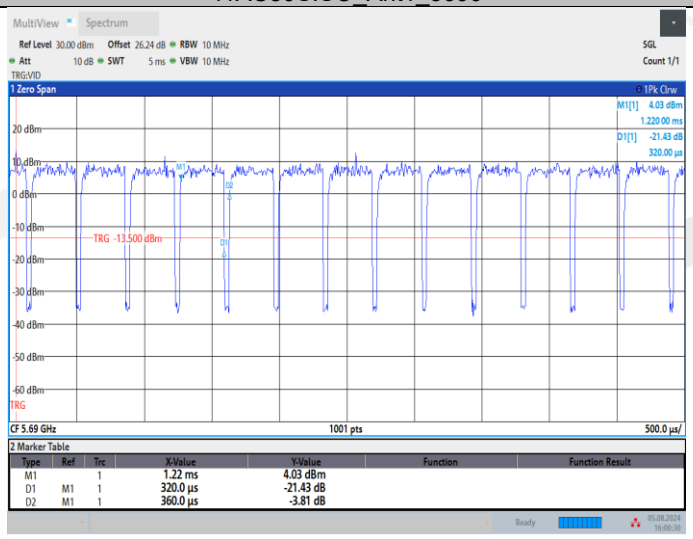

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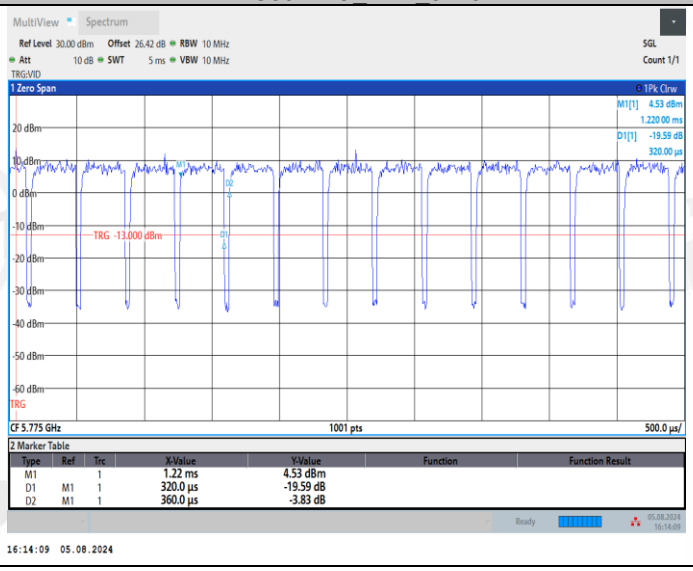
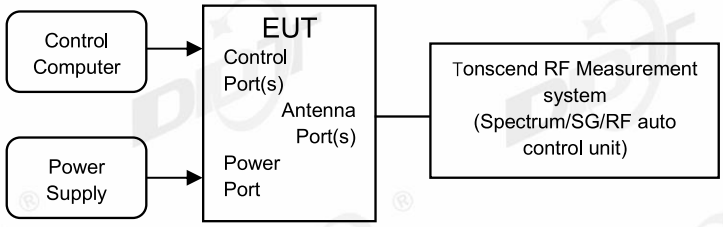


8. Maximum Output Power

8.1. Block diagram of test setup



8.2. Limits

FCC Part15, Subpart E		
Test Item	Limit	Frequency Range (MHz)
Maximum Output Power	outdoor access point: 1 W(30 dBm) indoor access point: 1 W(30 dBm) fixed point-to-point access points1 W(30 dBm) client devices: 250 mW (23.98 dBm)	5150-5250
	250 mW (23.98 dBm) or 11 + 10 $\log_{10}$ B	5250-5350
	250 mW (23.98 dBm) or 11 + 10 $\log_{10}$ B	5470 - 5725
	1 Watt (30 dBm)	5725-5850
Note：B=26 bandwidth		

8.3. Test procedure

Connect each EUT's antenna output to power sensor by RF cable and attenuator

Measure the output power of each antenna port by power sensor.

8.4. Test result

Test Mode	Antenna	Frequency [MHz]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11A	Ant1	5180	93.33	0.30	10.11	≤23.98	12.69	---	PASS
		5200	93.33	0.30	10.60	≤23.98	13.18	---	PASS
		5240	93.33	0.30	10.90	≤23.98	13.48	---	PASS
		5260	93.29	0.30	11.00	≤23.98	13.58	---	PASS
		5280	93.33	0.30	11.11	≤23.98	13.69	---	PASS
		5320	93.33	0.30	10.98	≤23.98	13.56	---	PASS
		5500	92.67	0.33	9.56	≤23.98	12.14	---	PASS
		5580	93.33	0.30	8.75	≤23.98	11.33	---	PASS
		5700	93.33	0.30	7.63	≤23.98	10.21	---	PASS
		5720	93.33	0.30	6.97	≤23.98	9.55	---	PASS
		5745	92.67	0.33	7.92	≤30.00	10.50	---	PASS
		5785	93.33	0.30	8.16	≤30.00	10.74	---	PASS
		5825	93.29	0.30	7.77	≤30.00	10.35	---	PASS
11N20SISO	Ant1	5180	92.25	0.35	9.54	≤23.98	12.12	---	PASS
		5200	92.91	0.32	10.07	≤23.98	12.65	---	PASS
		5240	92.20	0.35	10.56	≤23.98	13.14	---	PASS
		5260	92.91	0.32	10.56	≤23.98	13.14	---	PASS
		5280	92.25	0.35	10.83	≤23.98	13.41	---	PASS
		5320	92.91	0.32	10.56	≤23.98	13.14	---	PASS
		5500	92.25	0.35	9.21	≤23.98	11.79	---	PASS
		5580	92.91	0.32	8.43	≤23.98	11.01	---	PASS
		5700	92.91	0.32	7.20	≤23.98	9.78	---	PASS
		5720	92.25	0.35	6.70	≤23.98	9.28	---	PASS
		5745	92.25	0.35	7.38	≤30.00	9.96	---	PASS
		5785	92.91	0.32	7.93	≤30.00	10.51	---	PASS
		5825	92.91	0.32	7.45	≤30.00	10.03	---	PASS
11N40SISO	Ant1	5190	94.20	0.26	10.12	≤23.98	12.70	---	PASS
		5230	92.75	0.33	10.88	≤23.98	13.46	---	PASS
		5270	94.20	0.26	11.15	≤23.98	13.73	---	PASS
		5310	92.75	0.33	11.09	≤23.98	13.67	---	PASS
		5510	94.20	0.26	9.22	≤23.98	11.80	---	PASS
		5550	94.20	0.26	8.79	≤23.98	11.37	---	PASS
		5670	94.20	0.26	7.42	≤23.98	10.00	---	PASS
		5755	94.20	0.26	8.07	≤30.00	10.65	---	PASS
		5795	92.75	0.33	8.20	≤30.00	10.78	---	PASS
11AC20SISO	Ant1	5180	97.06	0.13	9.91	≤23.98	12.49	---	PASS

		5200	97.06	0.13	10.47	≤23.98	13.05	---	PASS
		5240	97.06	0.13	10.90	≤23.98	13.48	---	PASS
		5260	97.06	0.13	10.73	≤23.98	13.31	---	PASS
		5280	97.06	0.13	11.12	≤23.98	13.7	---	PASS
		5320	97.06	0.13	10.79	≤23.98	13.37	---	PASS
		5500	97.06	0.13	9.24	≤23.98	11.82	---	PASS
		5580	96.32	0.16	8.55	≤23.98	11.13	---	PASS
		5700	96.32	0.16	7.25	≤23.98	9.83	---	PASS
		5720	96.32	0.16	6.71	≤23.98	9.29	---	PASS
		5745	97.06	0.13	7.54	≤30.00	10.12	---	PASS
		5785	97.06	0.13	7.76	≤30.00	10.34	---	PASS
		5825	97.06	0.13	7.33	≤30.00	9.91	---	PASS
11AC40SISO	Ant1	5190	92.86	0.32	10.40	≤23.98	12.98	---	PASS
		5230	94.29	0.26	11.01	≤23.98	13.59	---	PASS
		5270	92.86	0.32	11.37	≤23.98	13.95	---	PASS
		5310	92.86	0.32	11.19	≤23.98	13.77	---	PASS
		5510	94.29	0.26	9.22	≤23.98	11.80	---	PASS
		5550	94.29	0.26	8.97	≤23.98	11.55	---	PASS
		5670	92.86	0.32	7.74	≤23.98	10.32	---	PASS
		5710	94.29	0.26	7.25	≤23.98	9.83	---	PASS
		5755	92.86	0.32	8.02	≤30.00	10.60	---	PASS
		5795	92.86	0.32	8.24	≤30.00	10.82	---	PASS
11AC80SISO	Ant1	5210	88.89	0.51	10.76	≤23.98	13.34	---	PASS
		5290	89.19	0.50	11.12	≤23.98	13.70	---	PASS
		5530	88.89	0.51	9.15	≤23.98	11.73	---	PASS
		5610	89.19	0.50	8.25	≤23.98	10.83	---	PASS
		5690	88.89	0.51	7.61	≤23.98	10.19	---	PASS
		5775	88.89	0.51	8.17	≤30.00	10.75	---	PASS