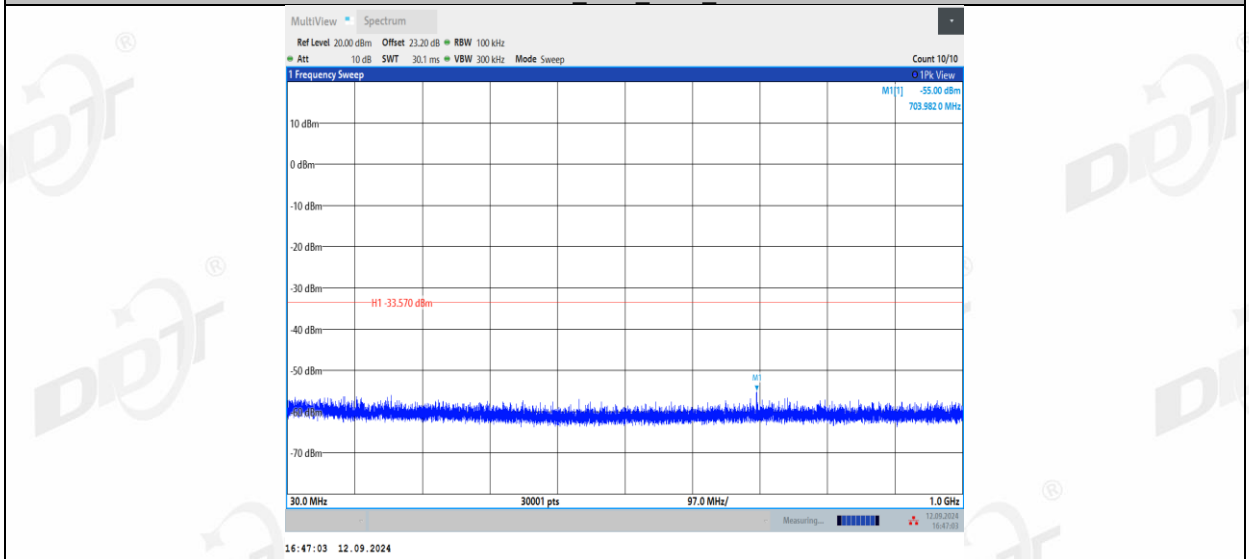
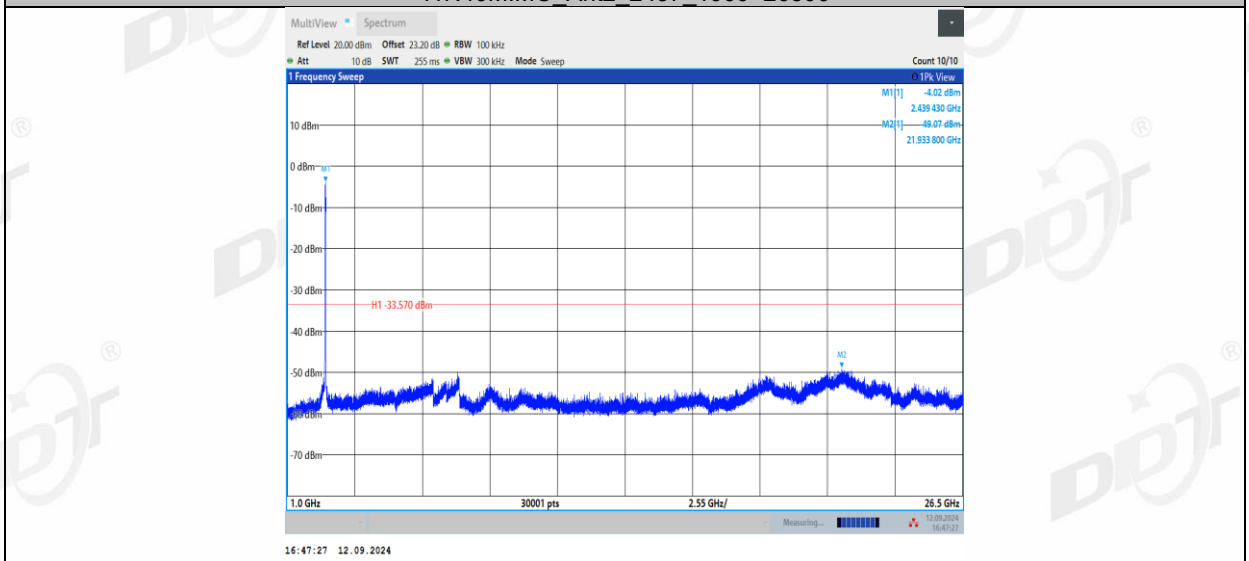


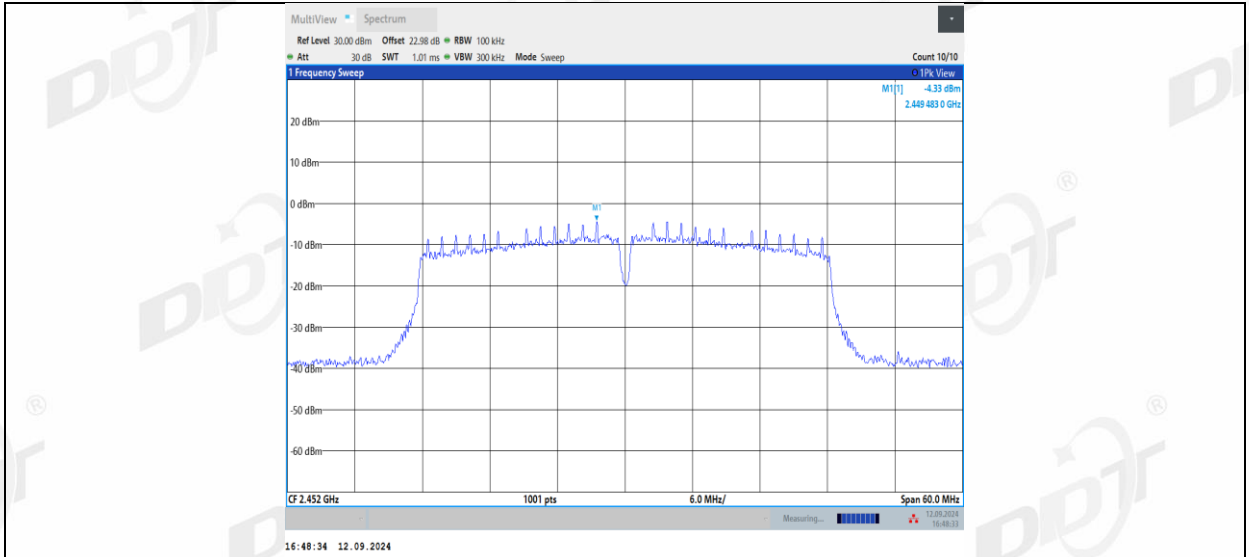
11N40MIMO\_Ant2\_2437\_30~1000



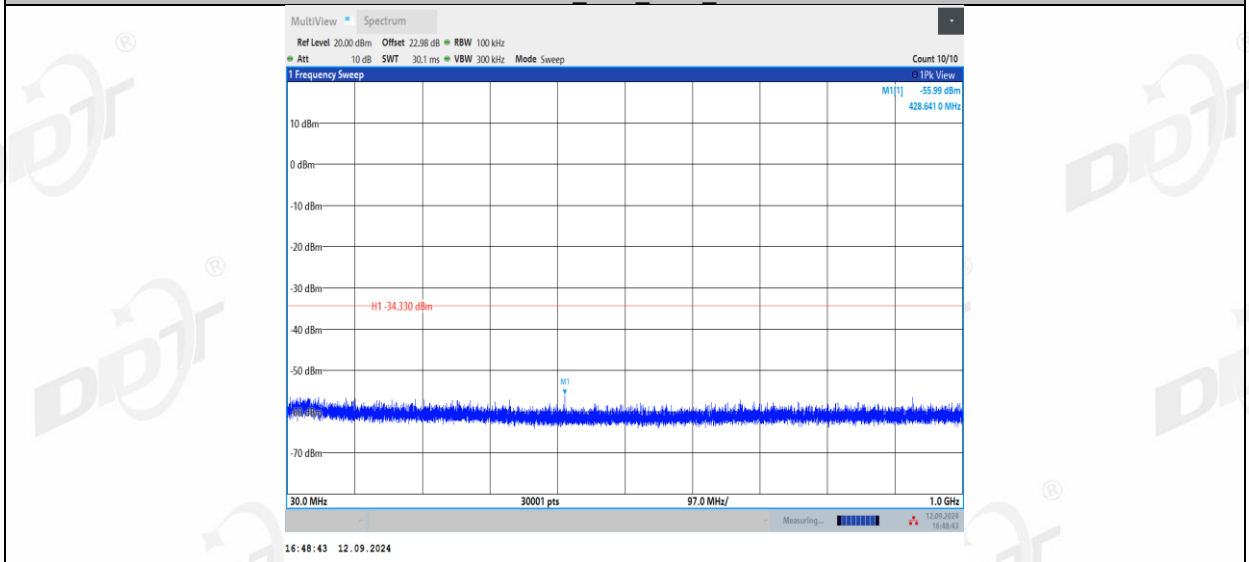
11N40MIMO\_Ant2\_2437\_1000~26500



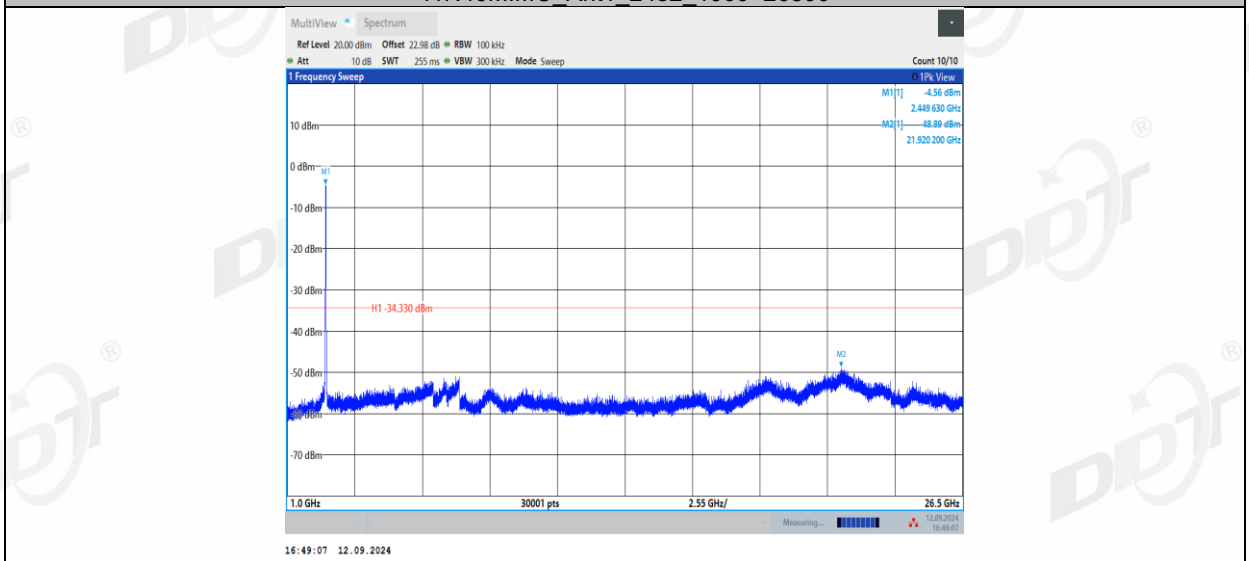
11N40MIMO\_Ant1\_2452\_0~Reference



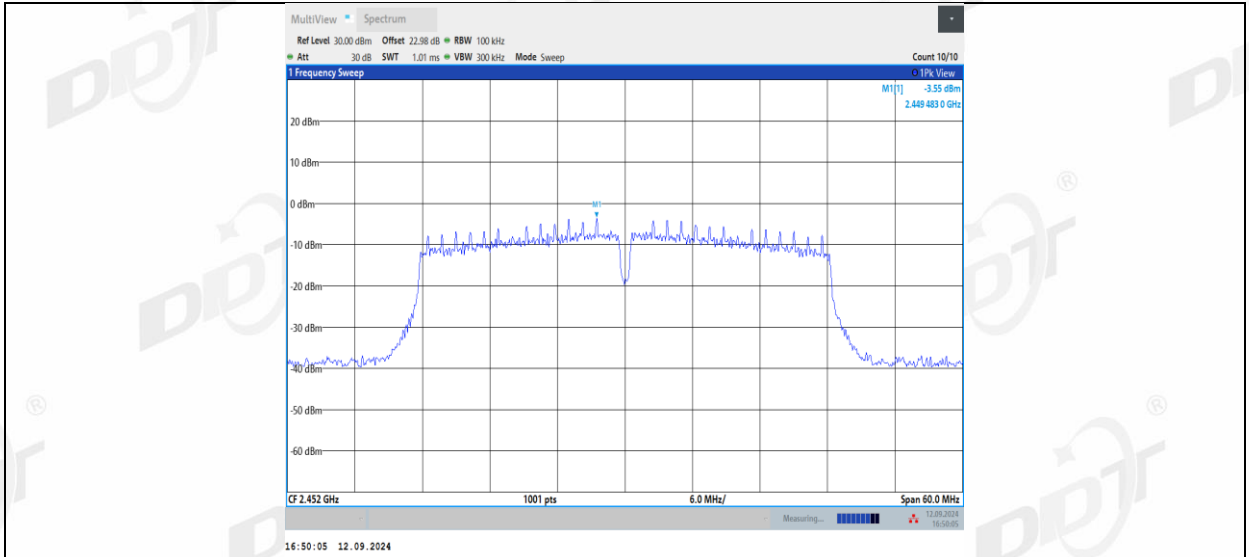
11N40MIMO\_Ant1\_2452\_30~1000



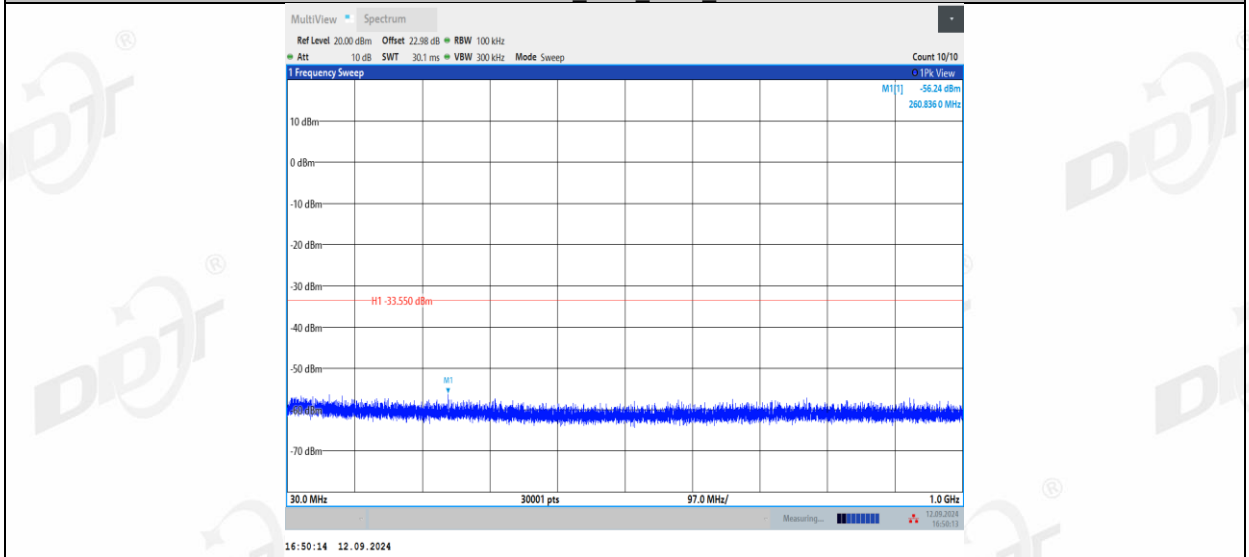
11N40MIMO\_Ant1\_2452\_1000~26500



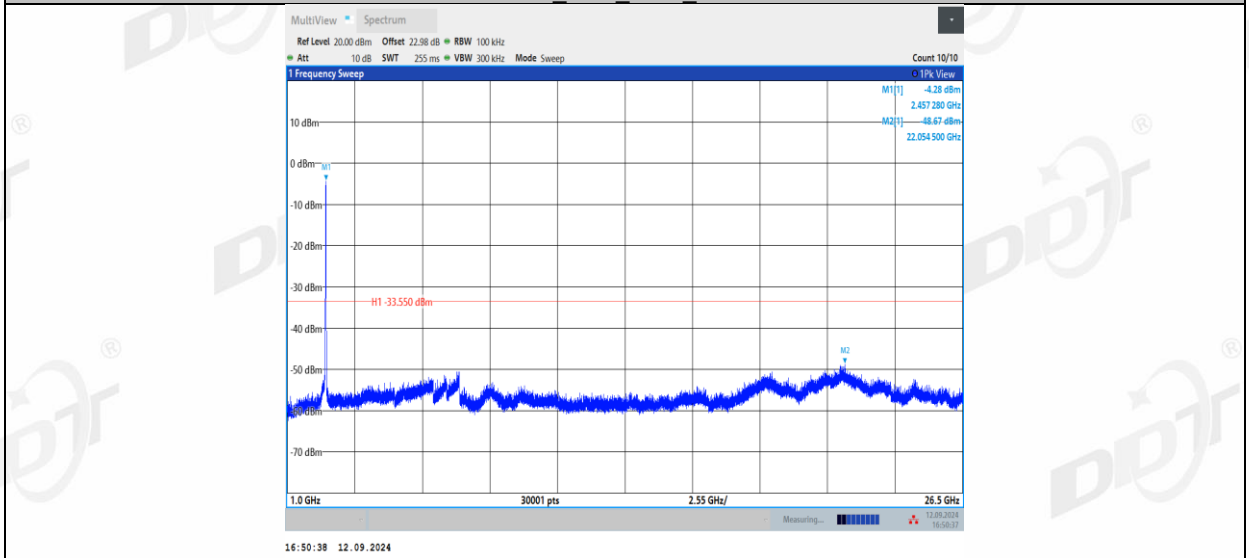
11N40MIMO\_Ant2\_2452\_0~Reference



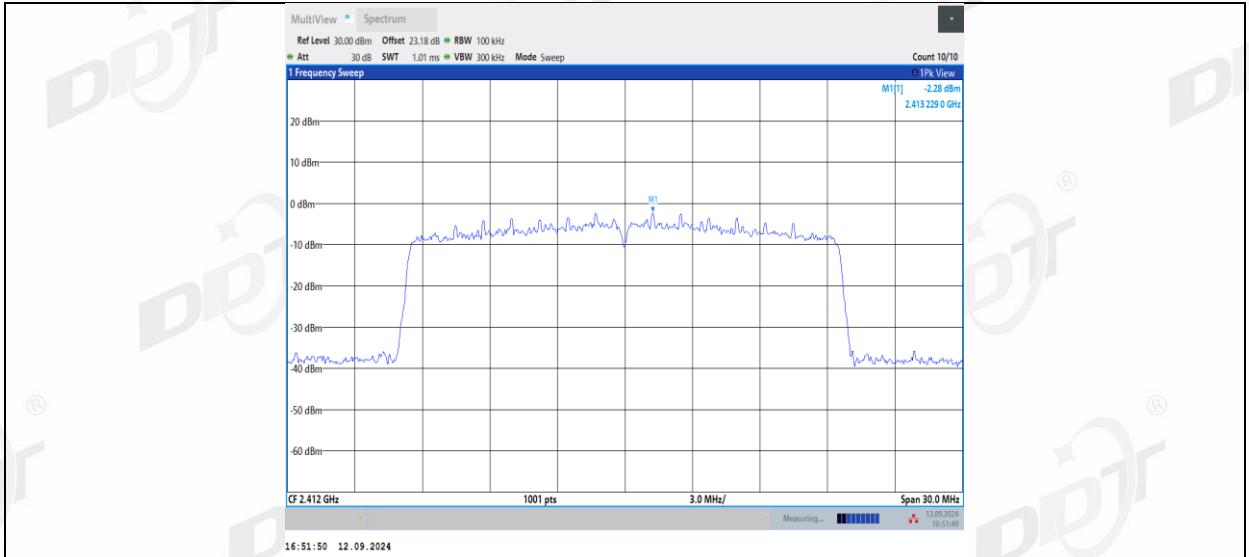
11N40MIMO\_Ant2\_2452\_30~1000



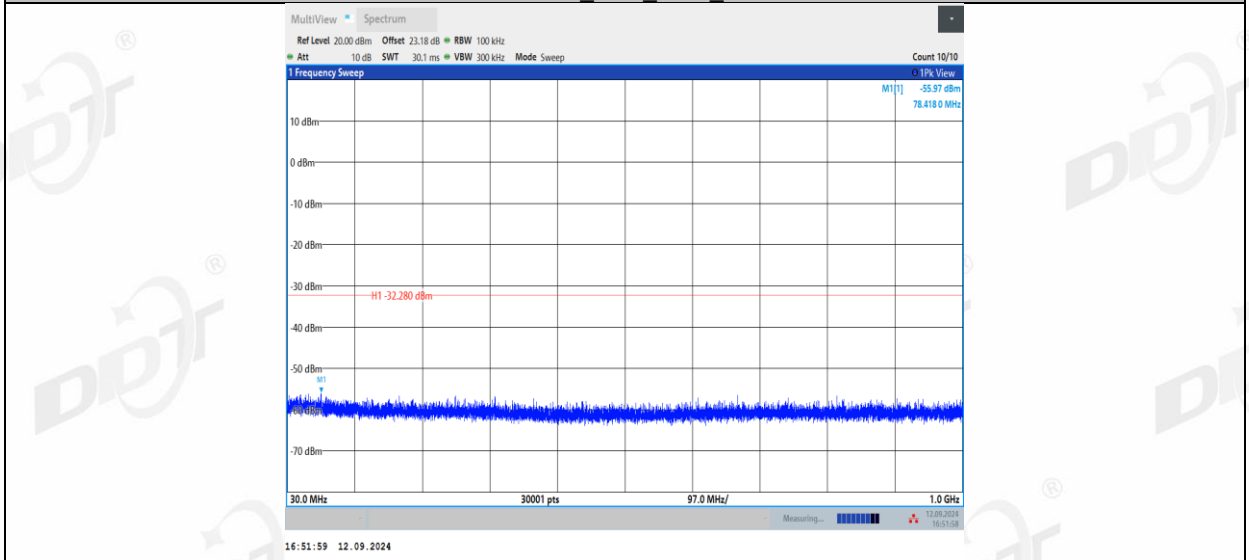
11N40MIMO\_Ant2\_2452\_1000~26500



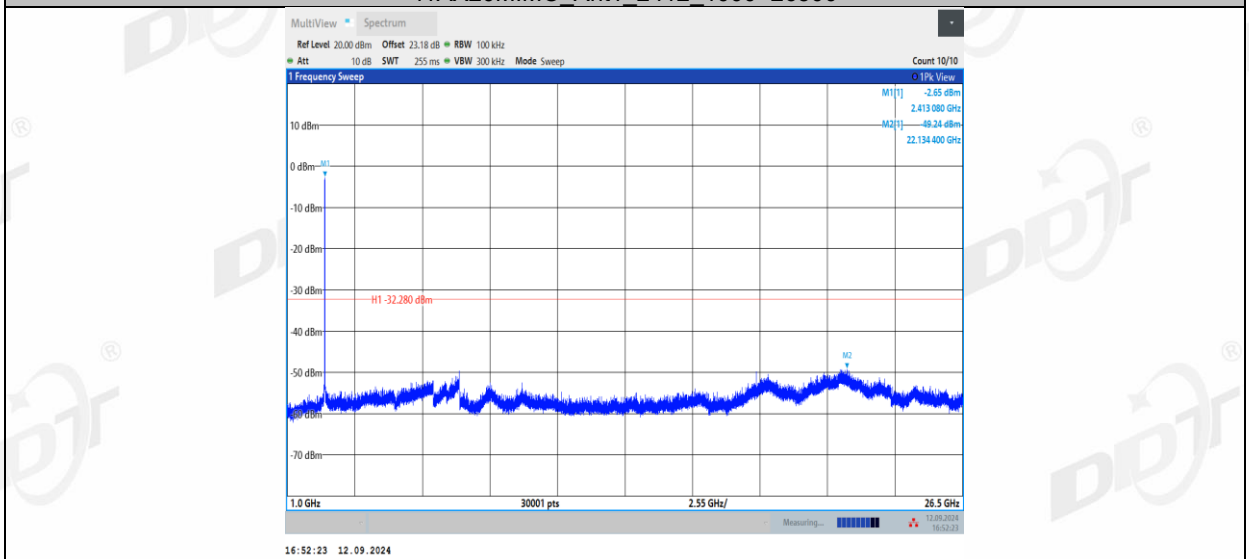
11AX20MIMO\_Ant1\_2412\_0~Reference



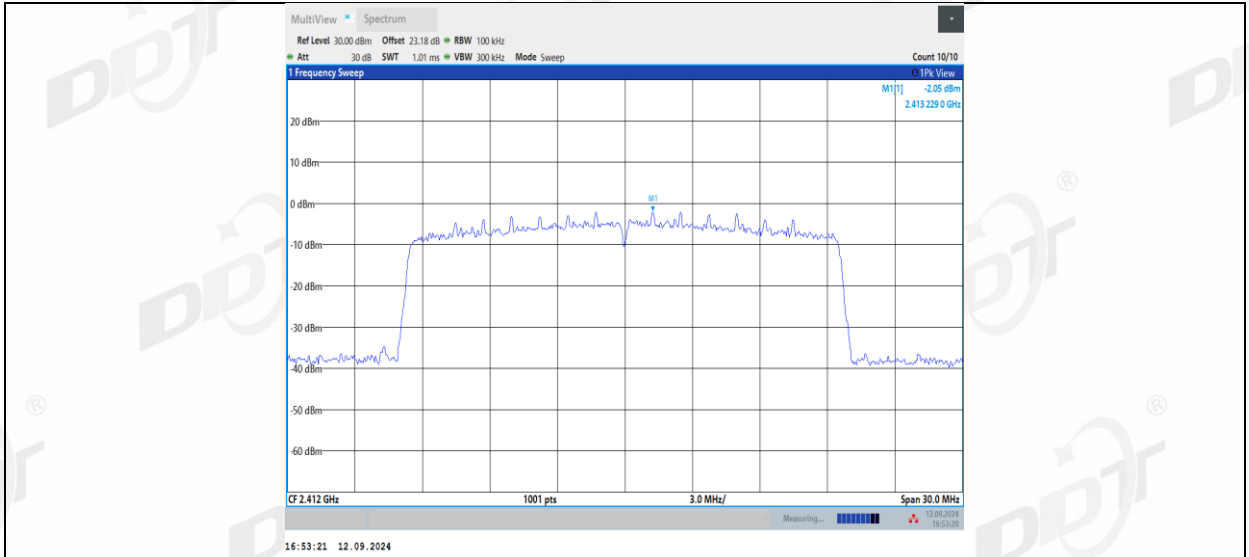
11AX20MIMO\_Ant1\_2412\_30~1000



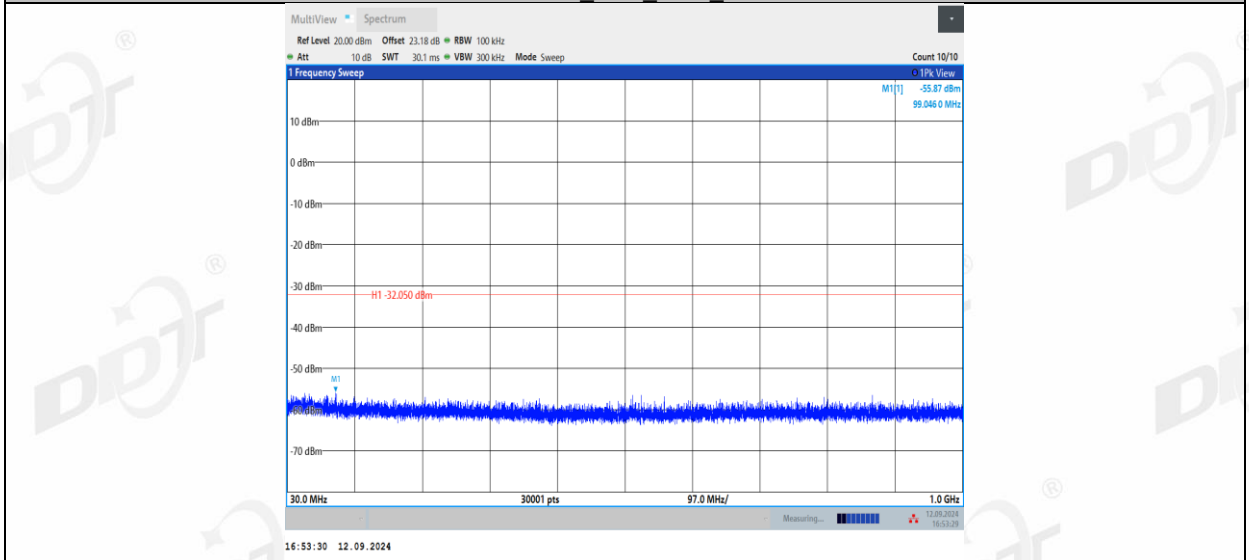
11AX20MIMO\_Ant1\_2412\_1000~26500



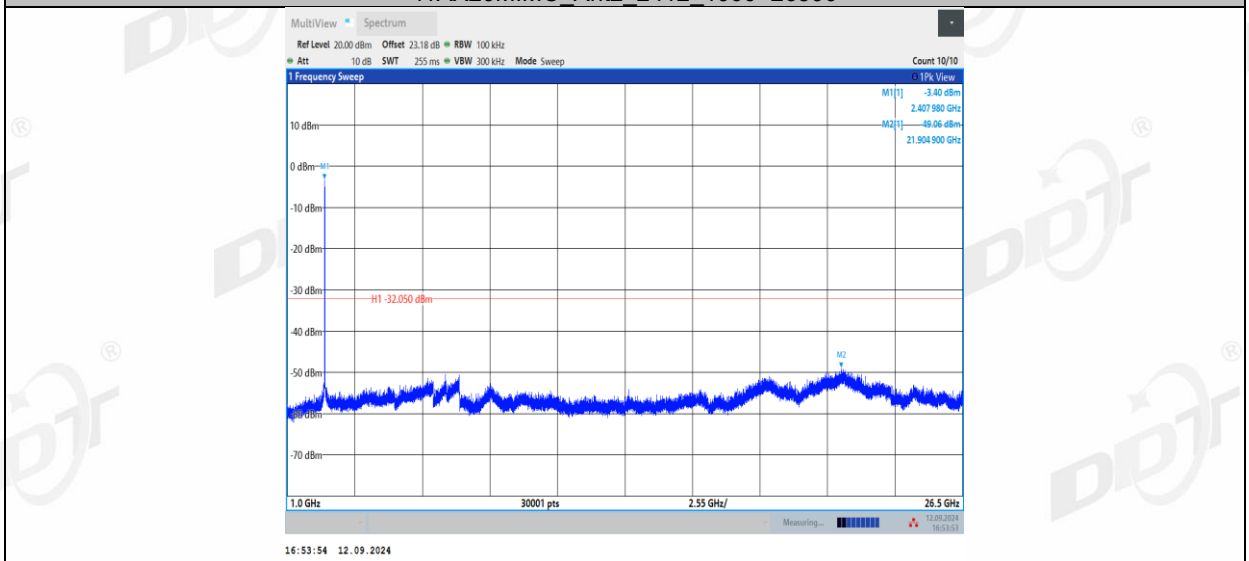
11AX20MIMO\_Ant2\_2412\_0~Reference



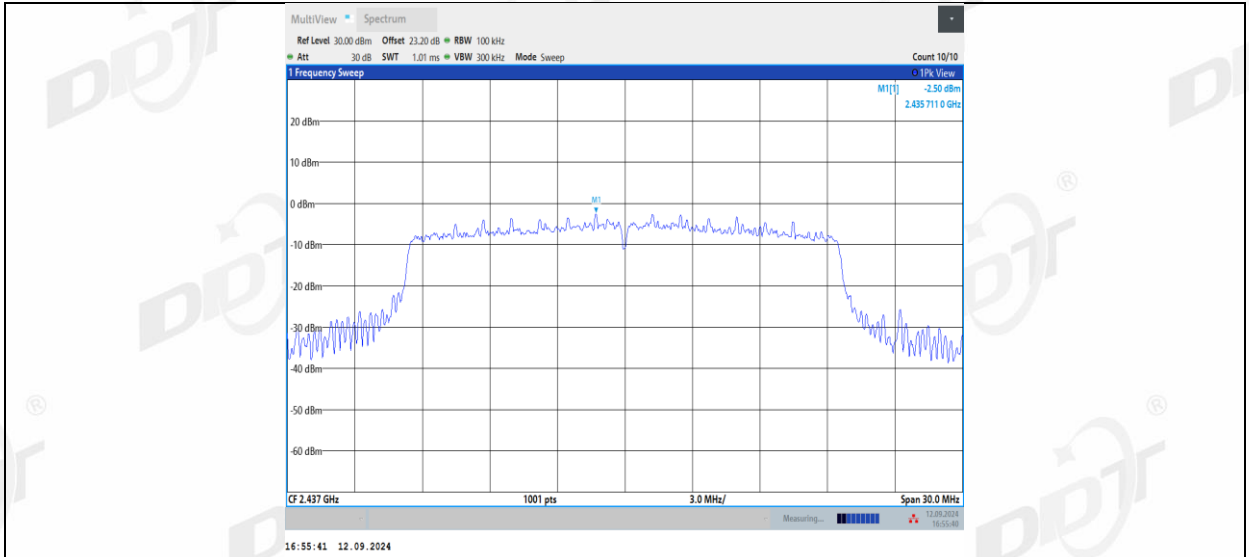
11AX20MIMO\_Ant2\_2412\_30~1000



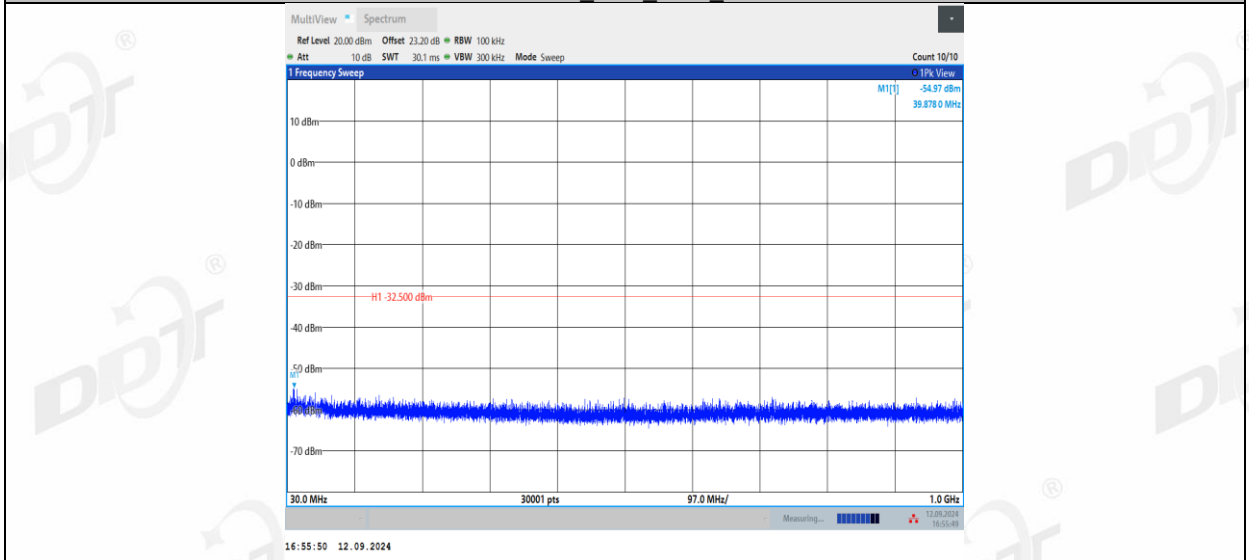
11AX20MIMO\_Ant2\_2412\_1000~26500



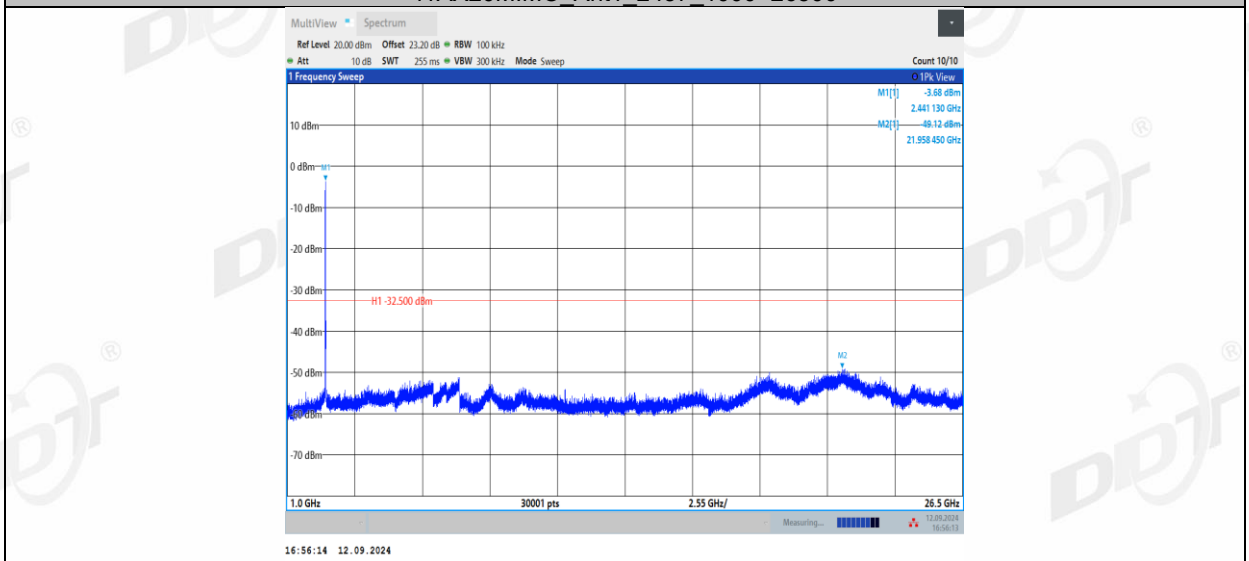
11AX20MIMO\_Ant1\_2437\_0~Reference



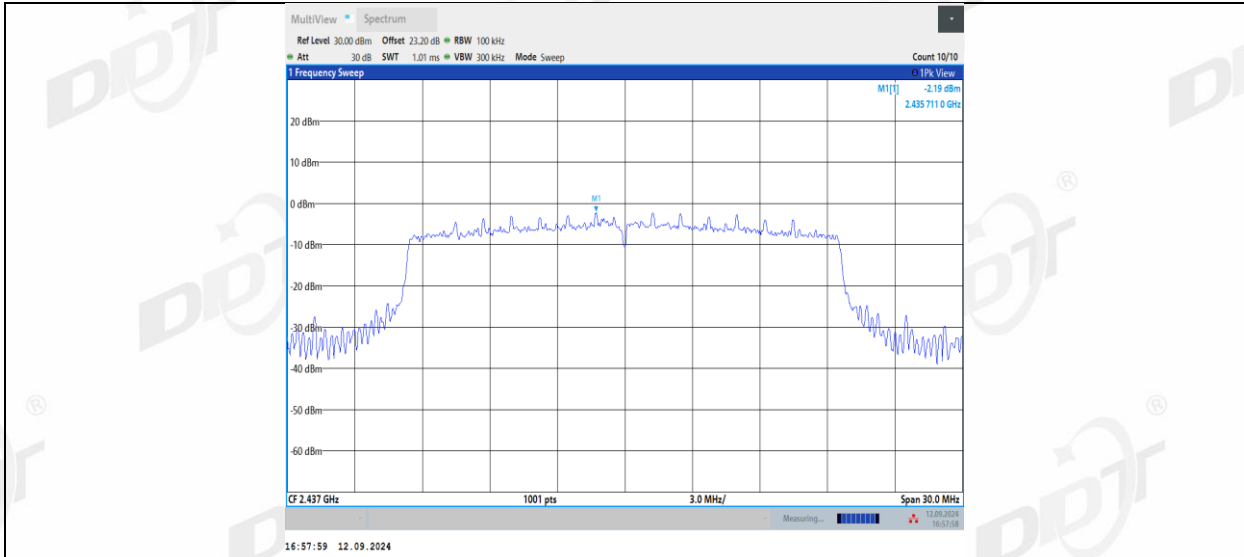
11AX20MIMO\_Ant1\_2437\_30~1000



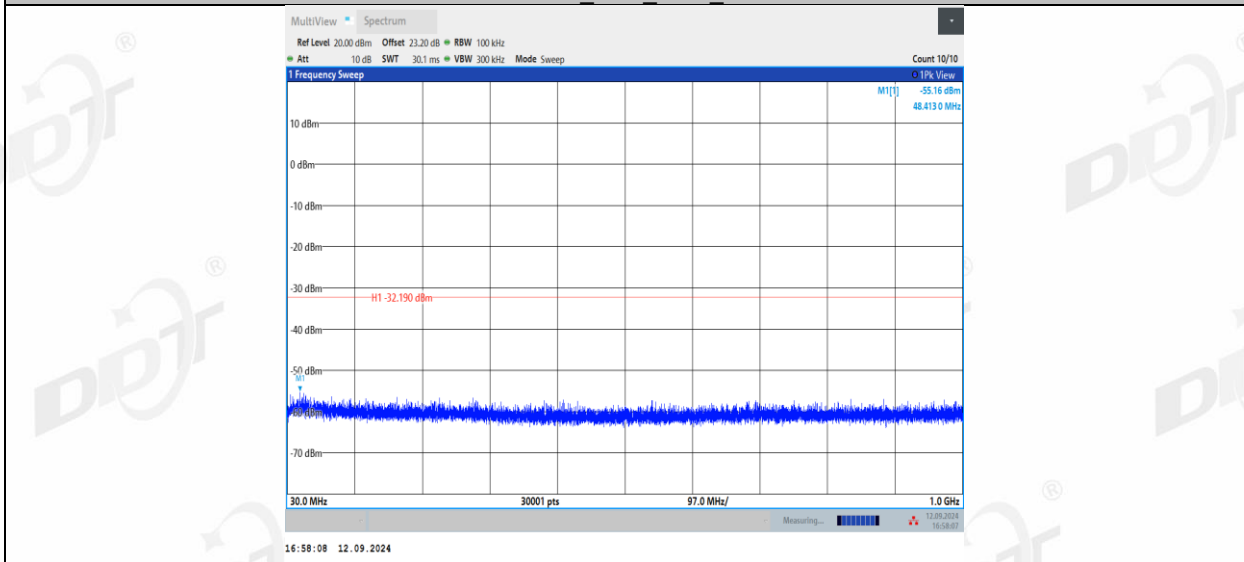
11AX20MIMO\_Ant1\_2437\_1000~26500



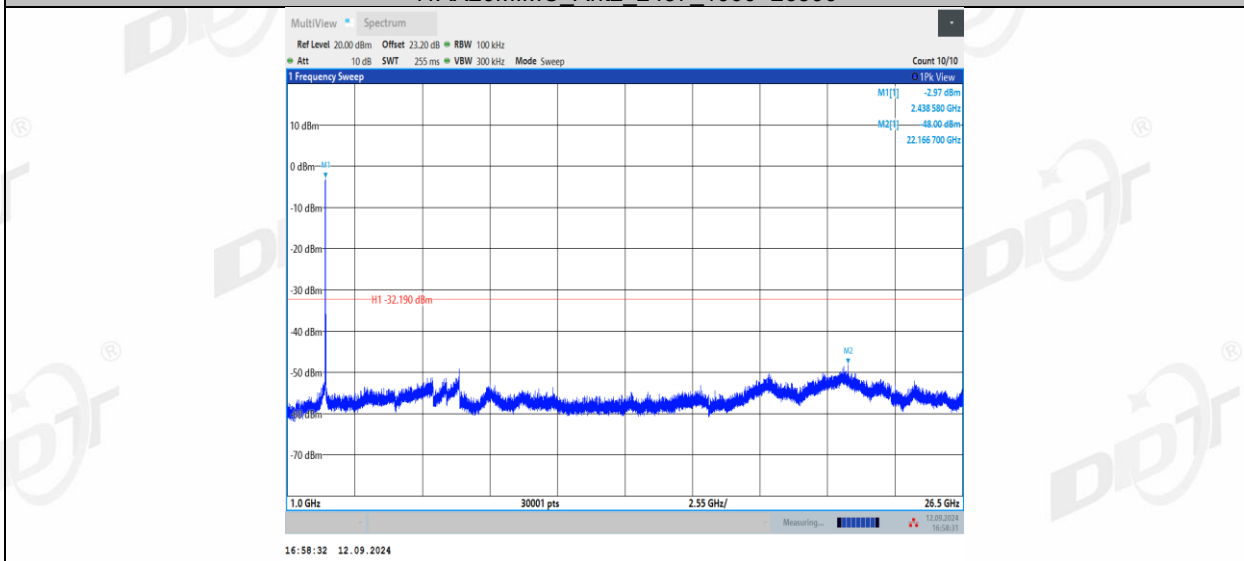
11AX20MIMO\_Ant2\_2437\_0~Reference



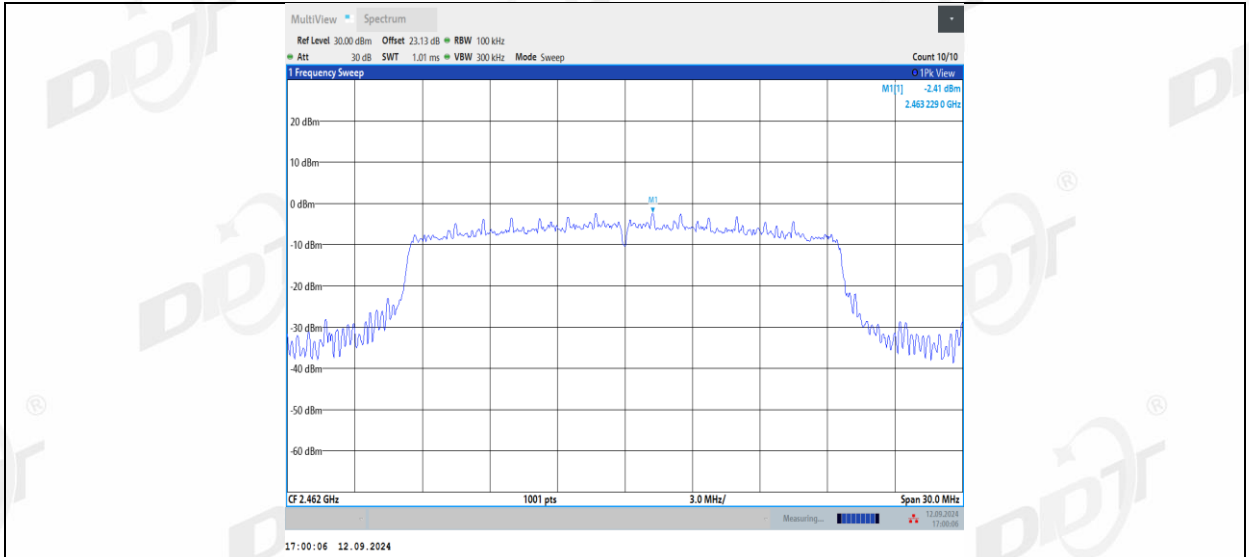
11AX20MIMO\_Ant2\_2437\_30~1000



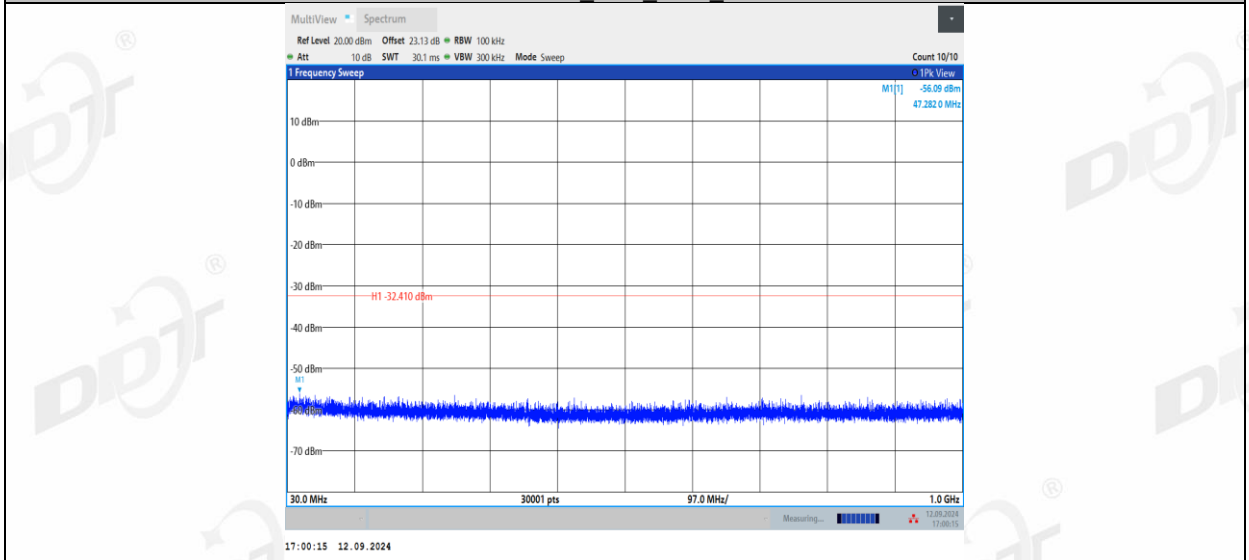
11AX20MIMO\_Ant2\_2437\_1000~26500



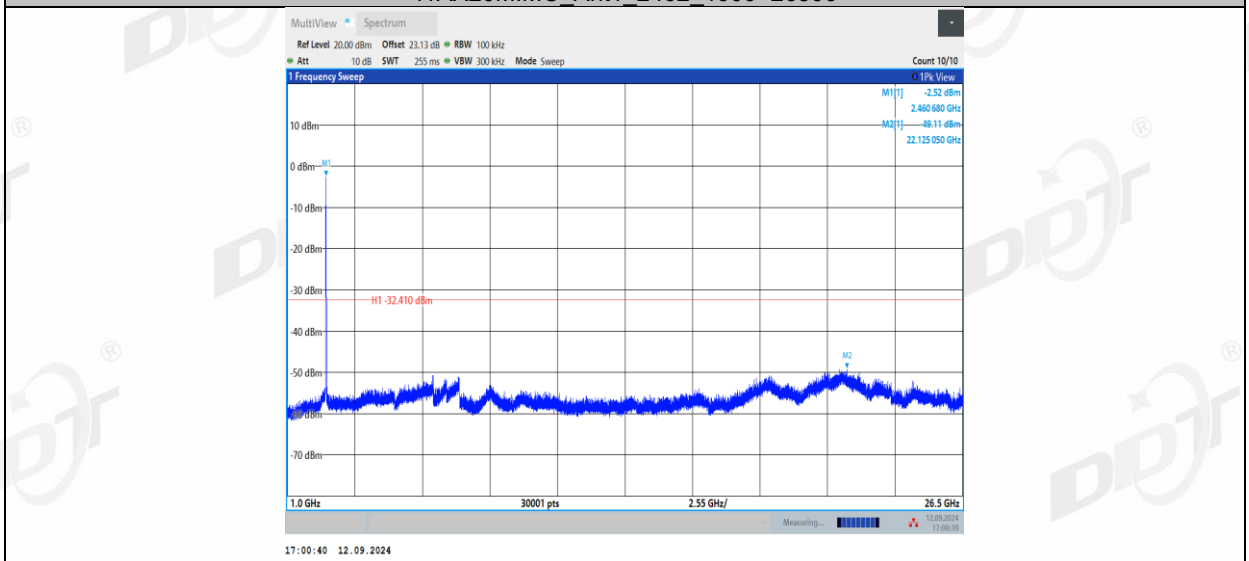
11AX20MIMO\_Ant1\_2462\_0~Reference



11AX20MIMO\_Ant1\_2462\_30~1000

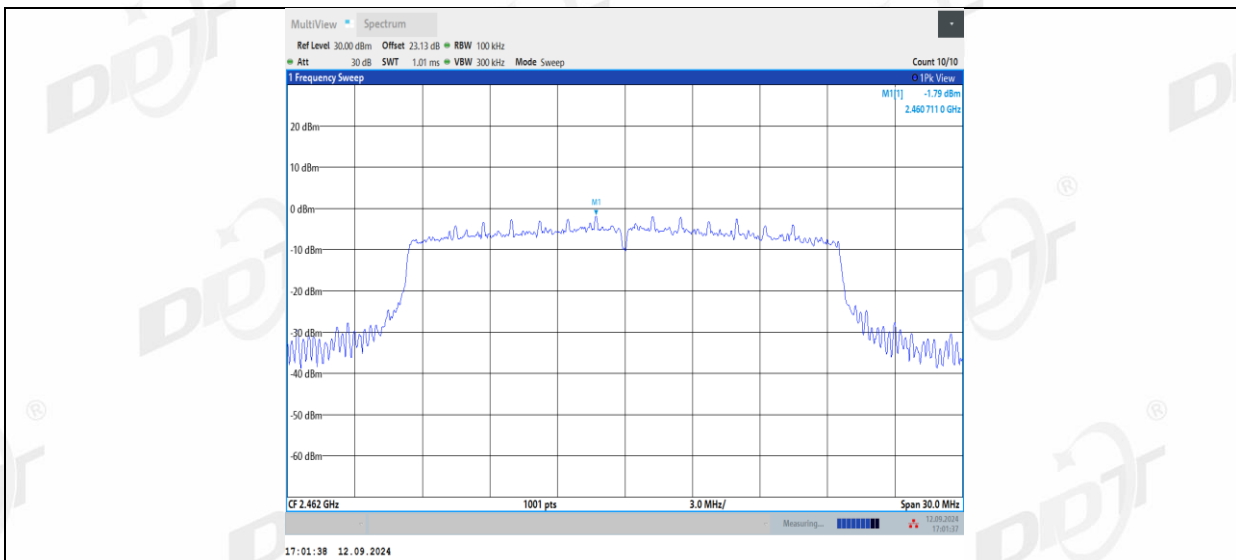


11AX20MIMO\_Ant1\_2462\_1000~26500

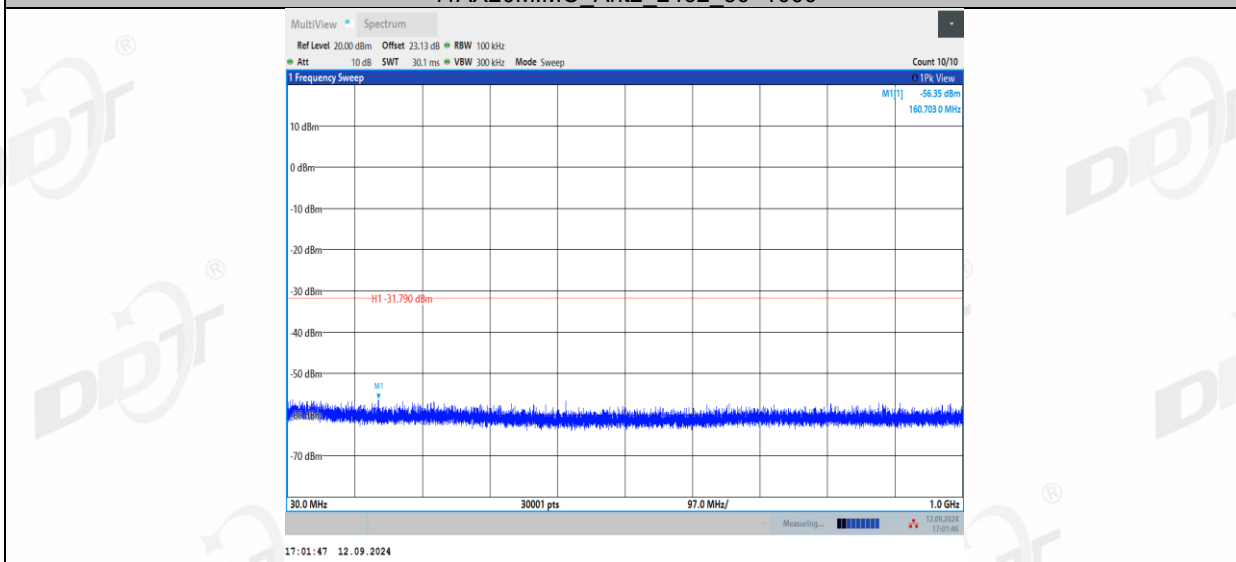


11AX20MIMO\_Ant2\_2462\_0~Reference

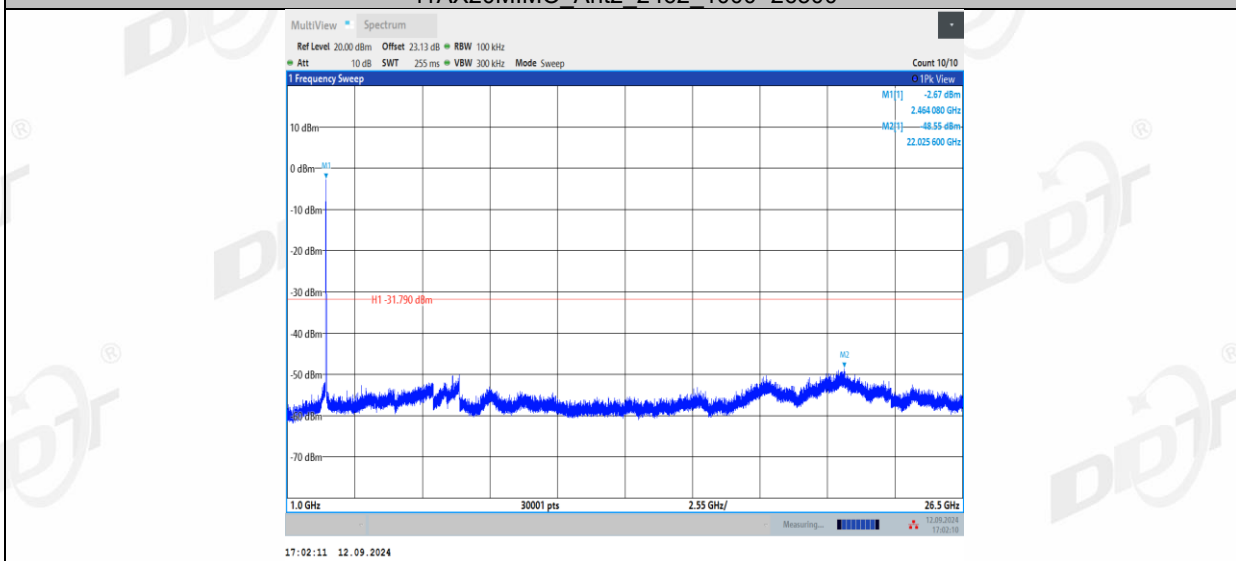




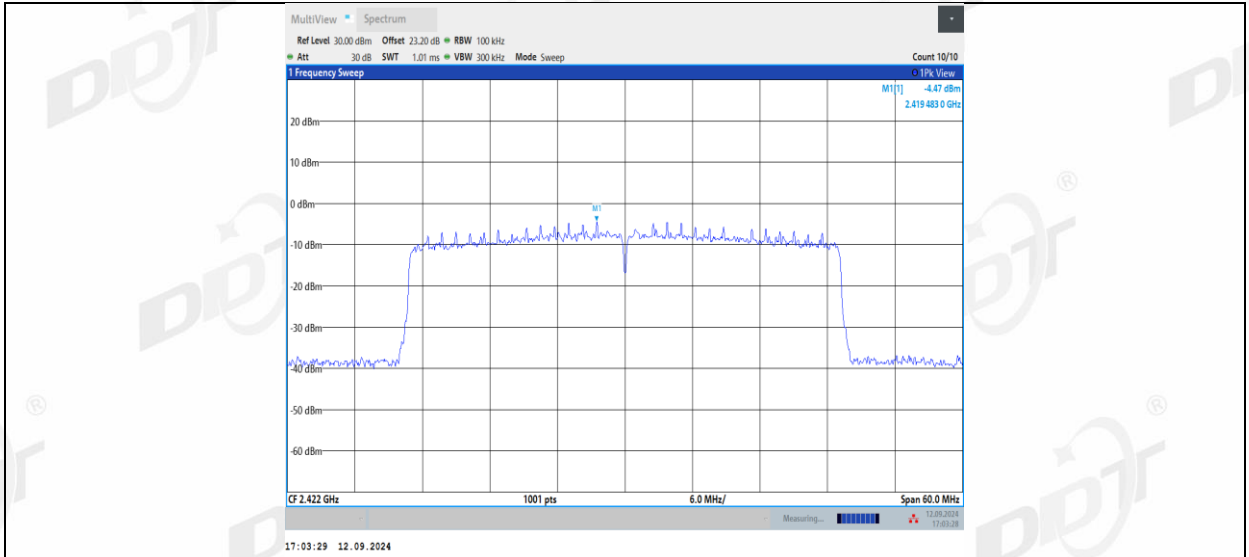
11AX20MIMO\_Ant2\_2462\_30~1000



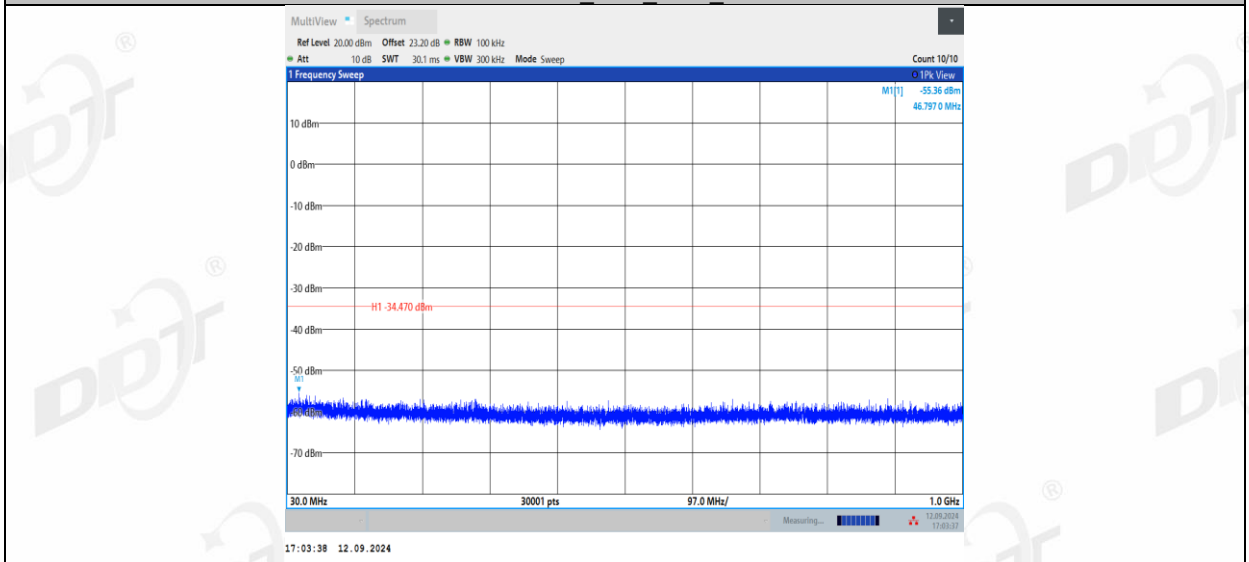
11AX20MIMO\_Ant2\_2462\_1000~26500



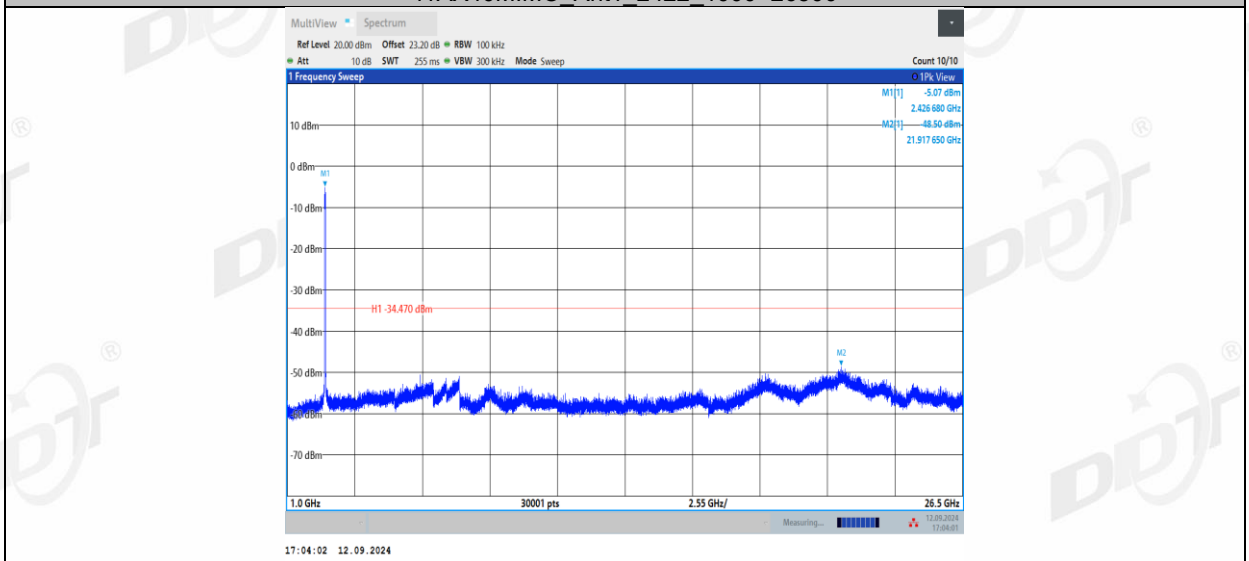
11AX40MIMO\_Ant1\_2422\_0~Reference



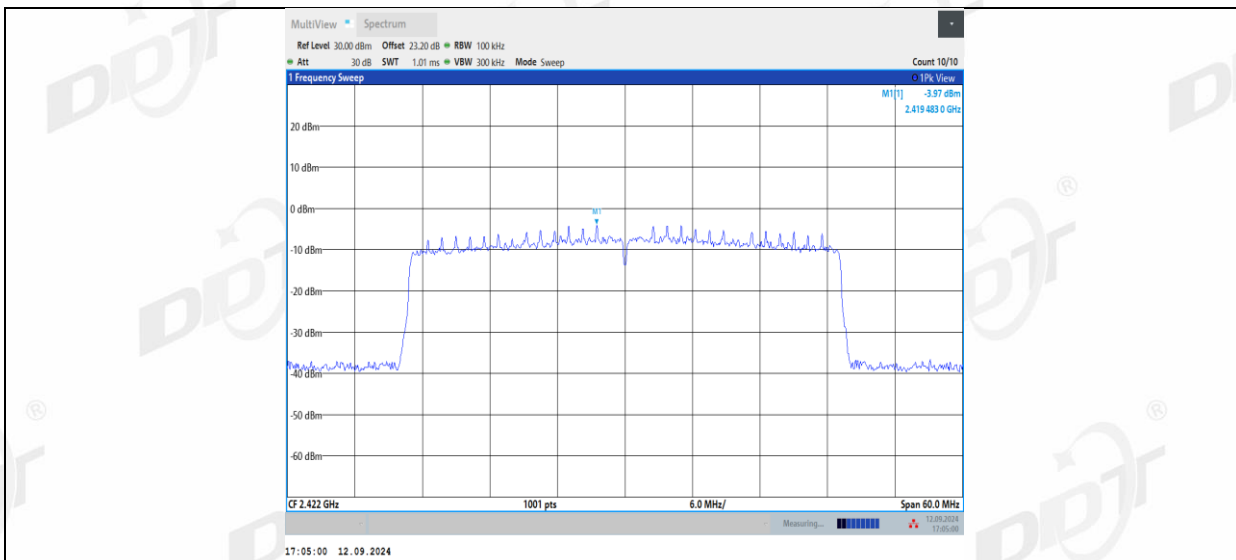
11AX40MIMO\_Ant1\_2422\_30~1000



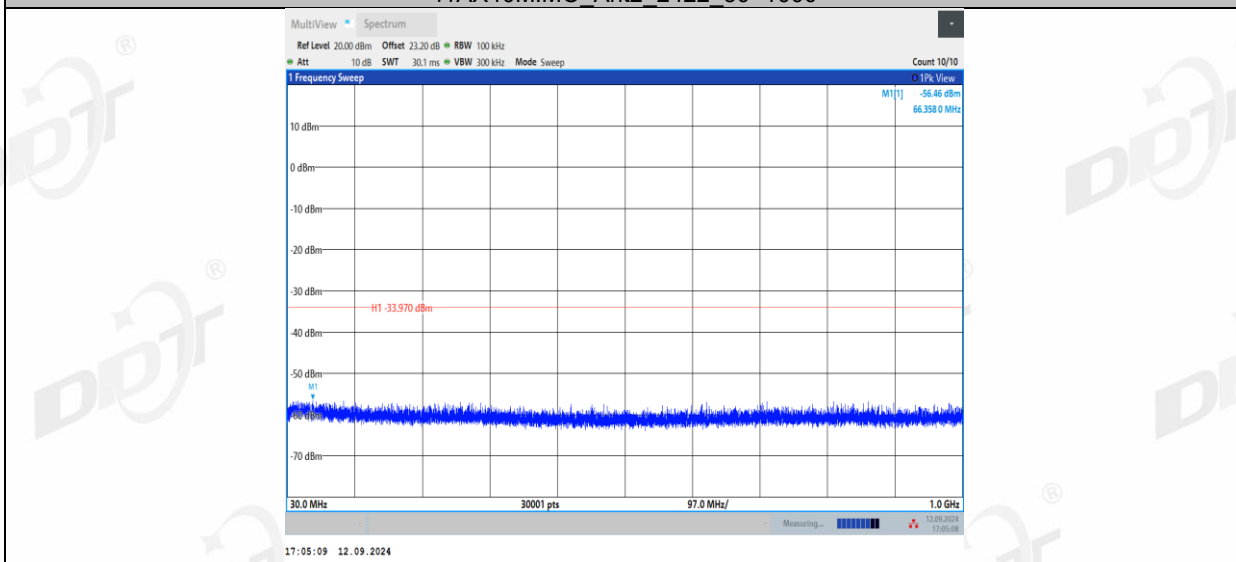
11AX40MIMO\_Ant1\_2422\_1000~26500



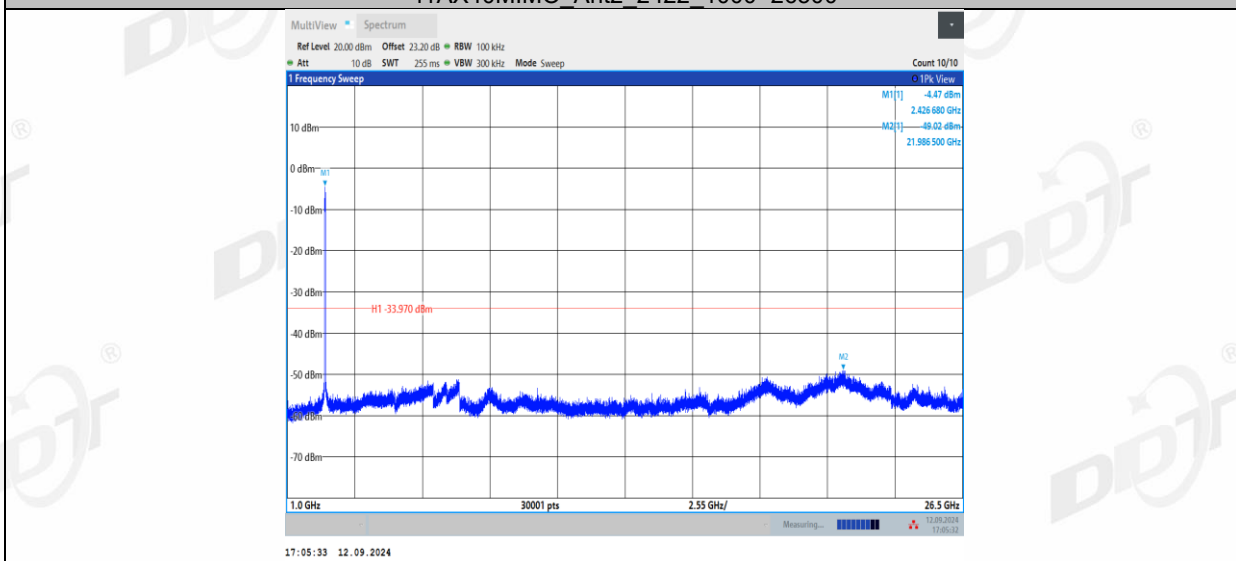
11AX40MIMO\_Ant2\_2422\_0~Reference



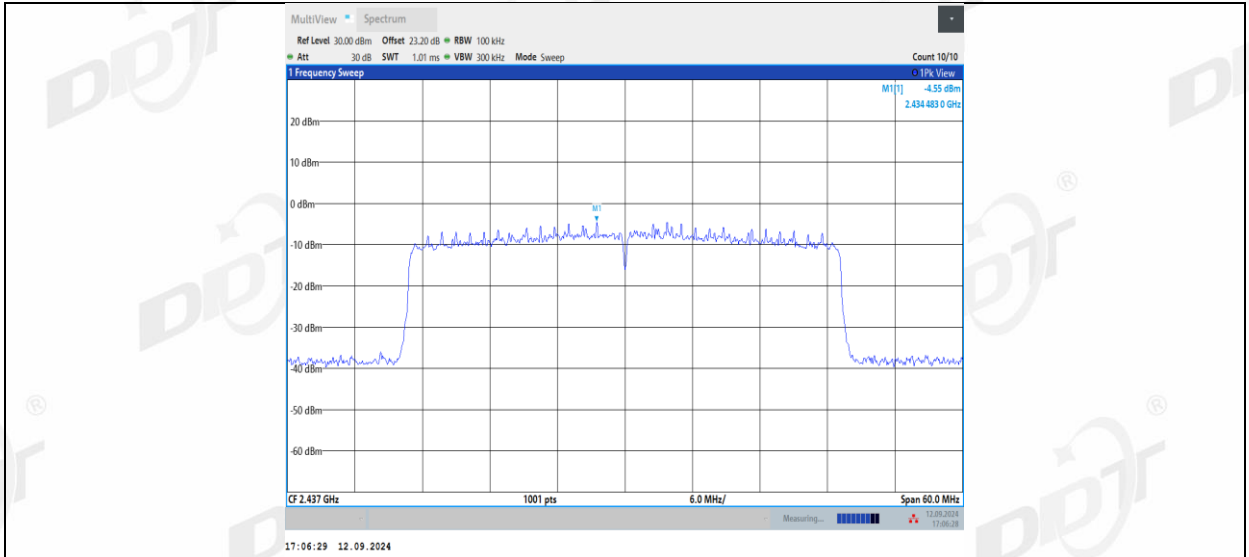
11AX40MIMO\_Ant2\_2422\_30~1000



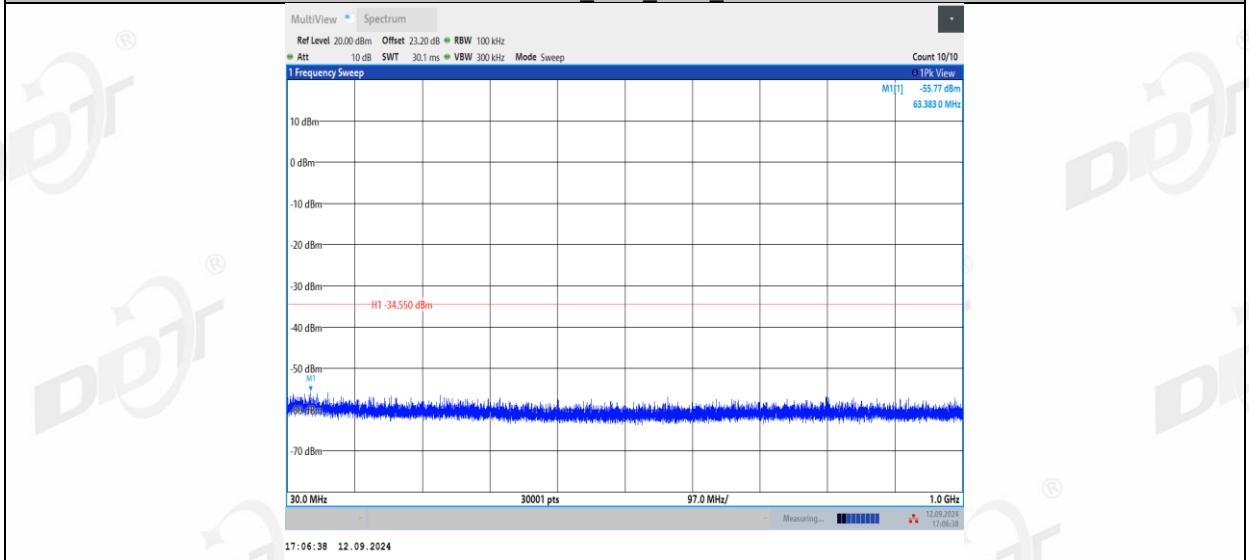
11AX40MIMO\_Ant2\_2422\_1000~26500



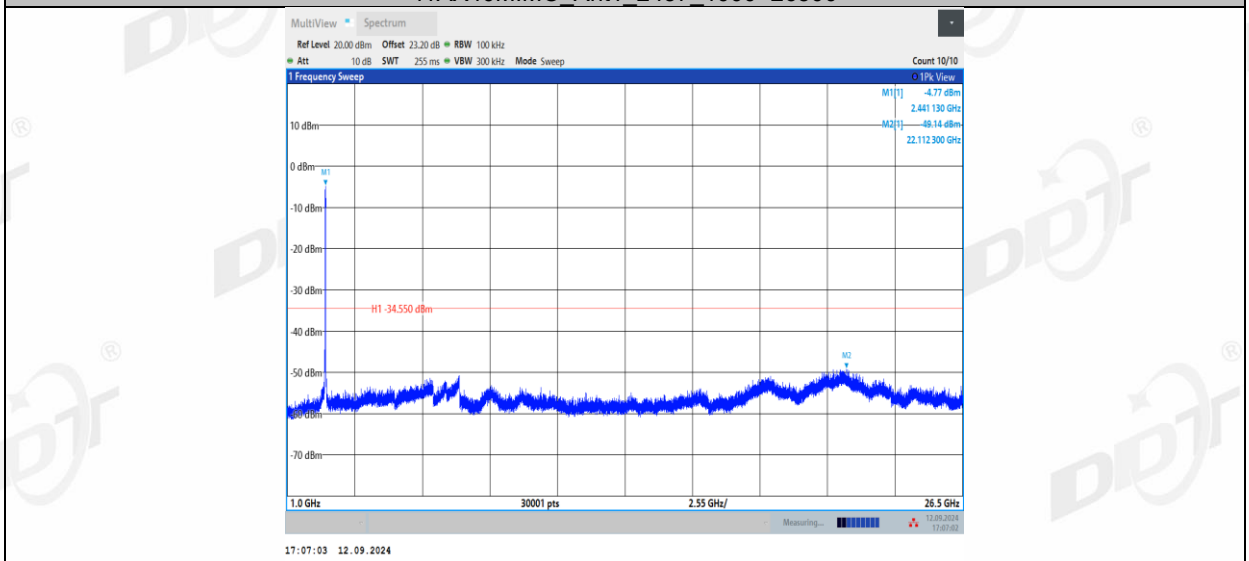
11AX40MIMO\_Ant1\_2437\_0~Reference



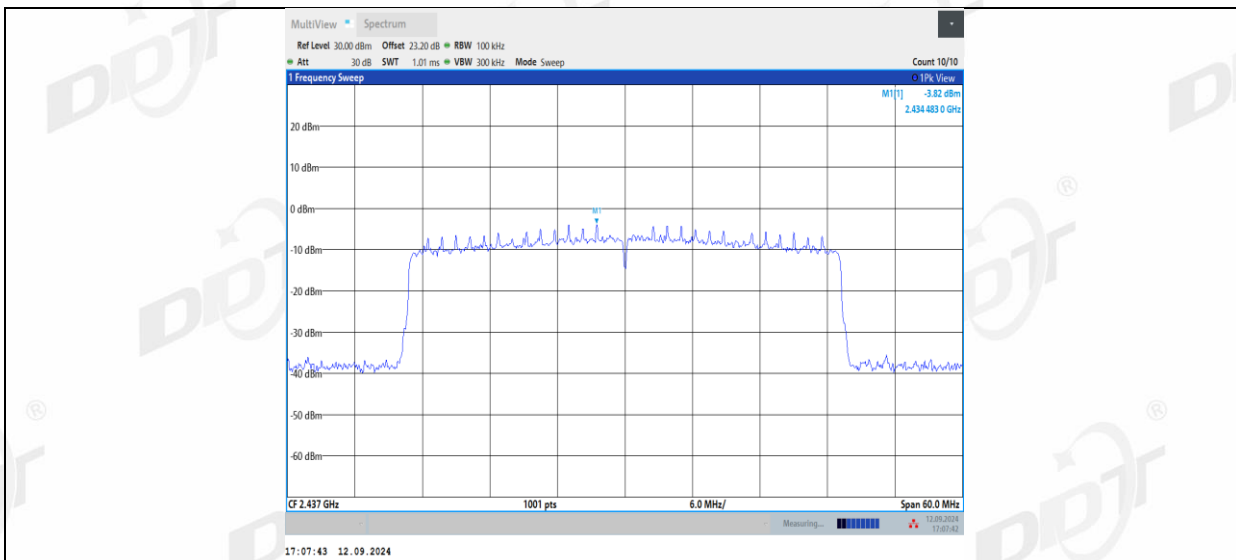
11AX40MIMO\_Ant1\_2437\_30~1000



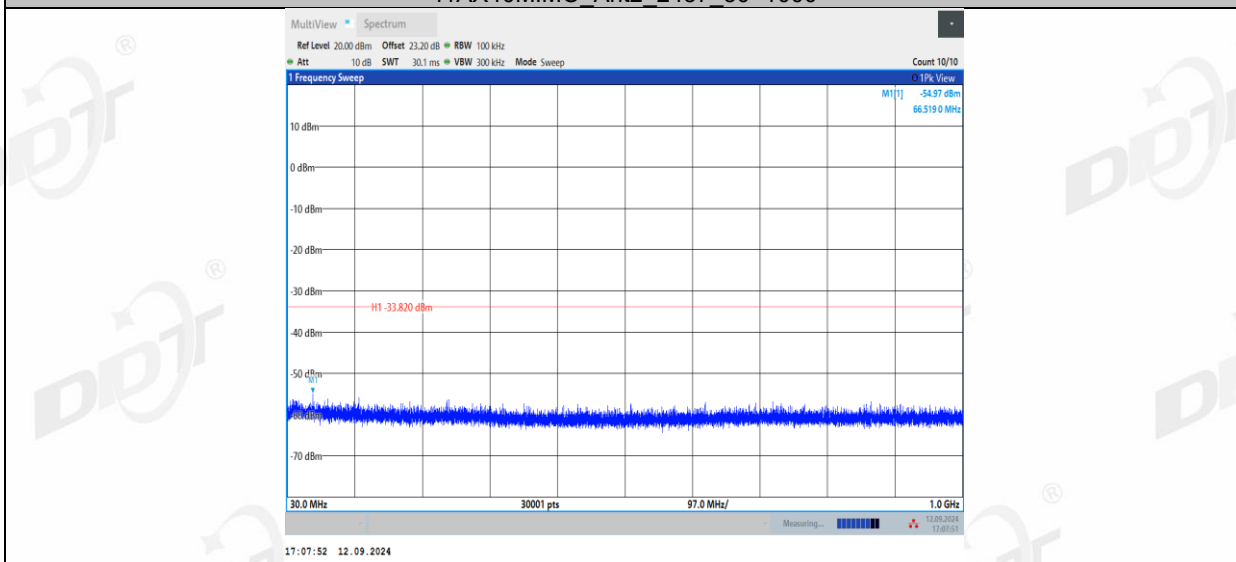
11AX40MIMO\_Ant1\_2437\_1000~26500



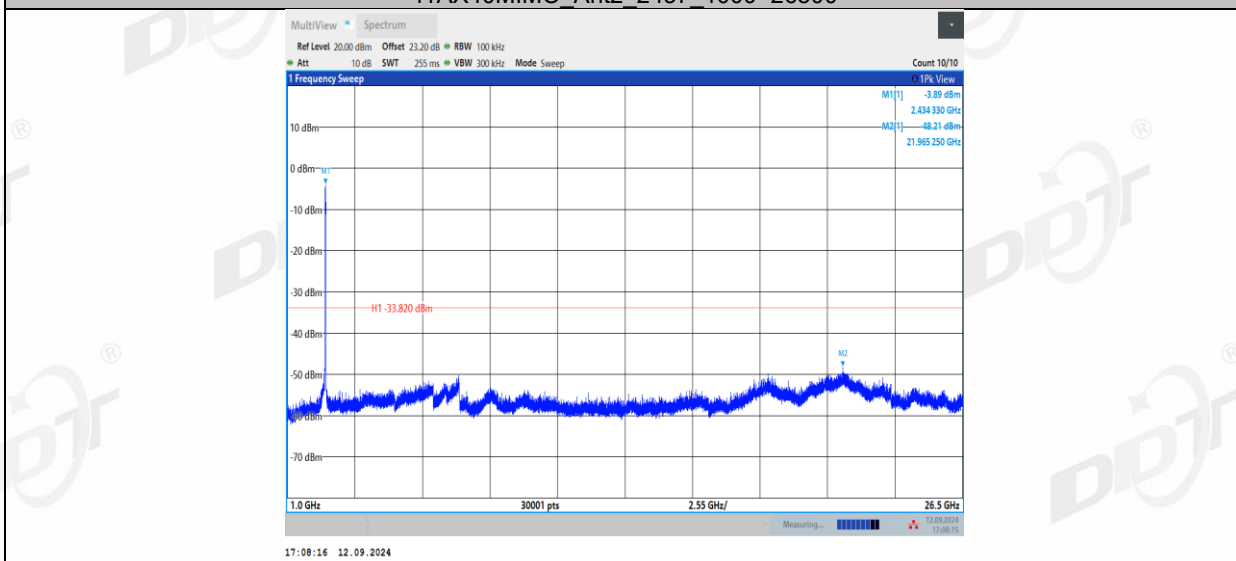
11AX40MIMO\_Ant2\_2437\_0~Reference



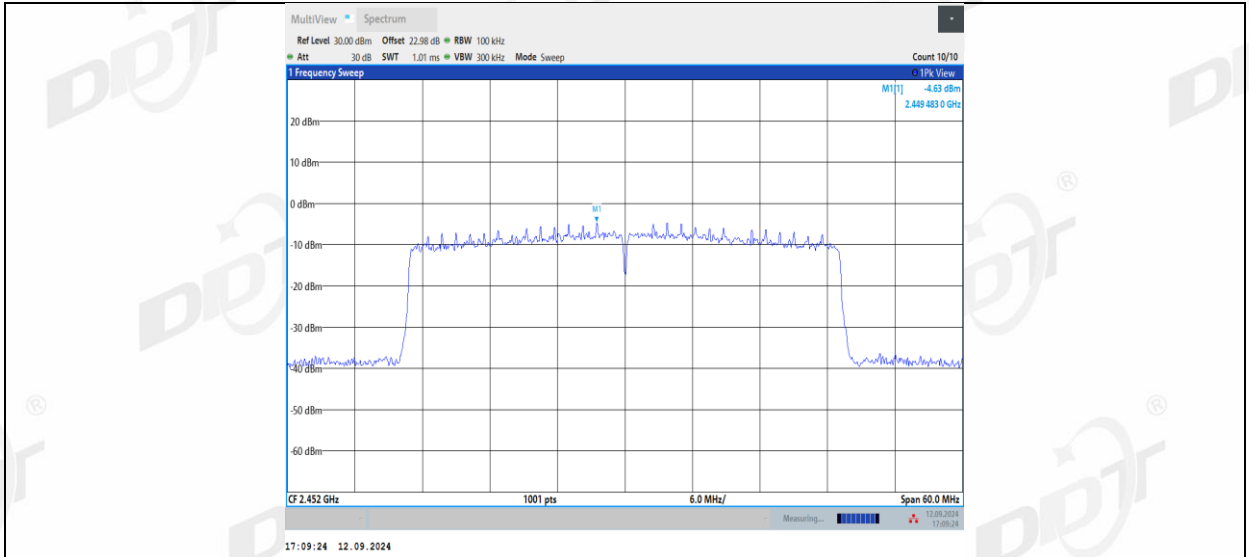
11AX40MIMO\_Ant2\_2437\_30~1000



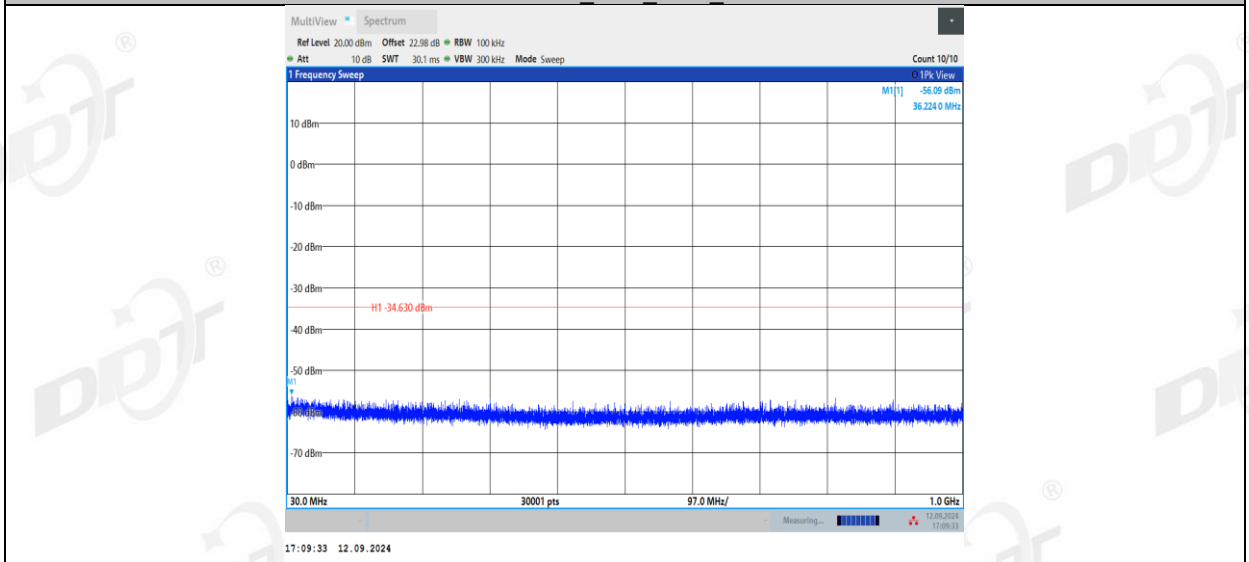
11AX40MIMO\_Ant2\_2437\_1000~26500



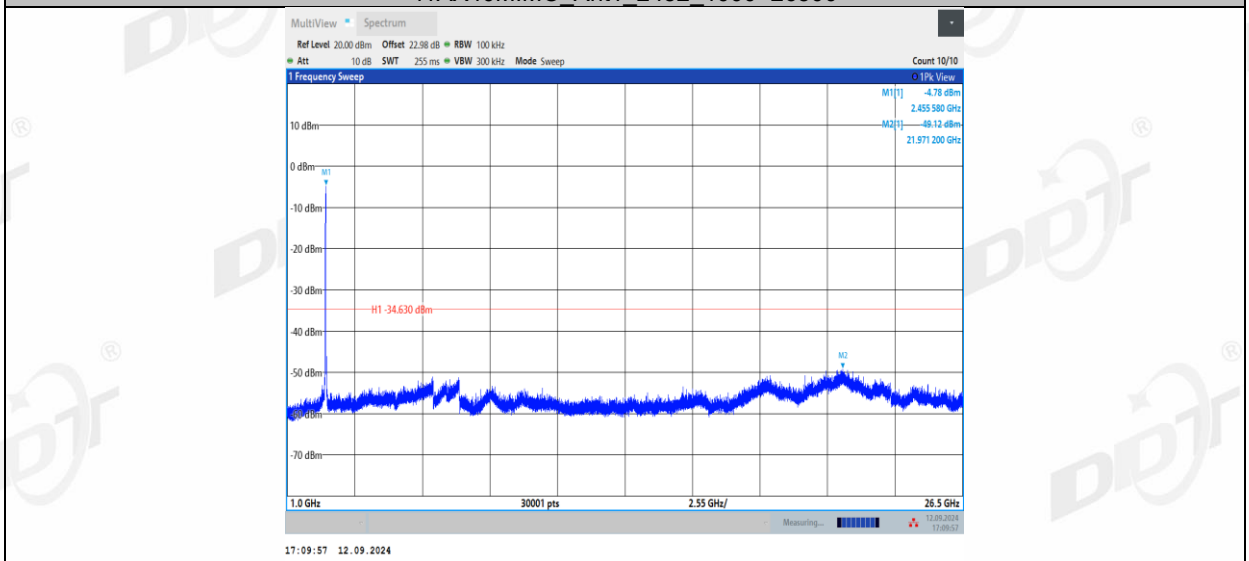
11AX40MIMO\_Ant1\_2452\_0~Reference



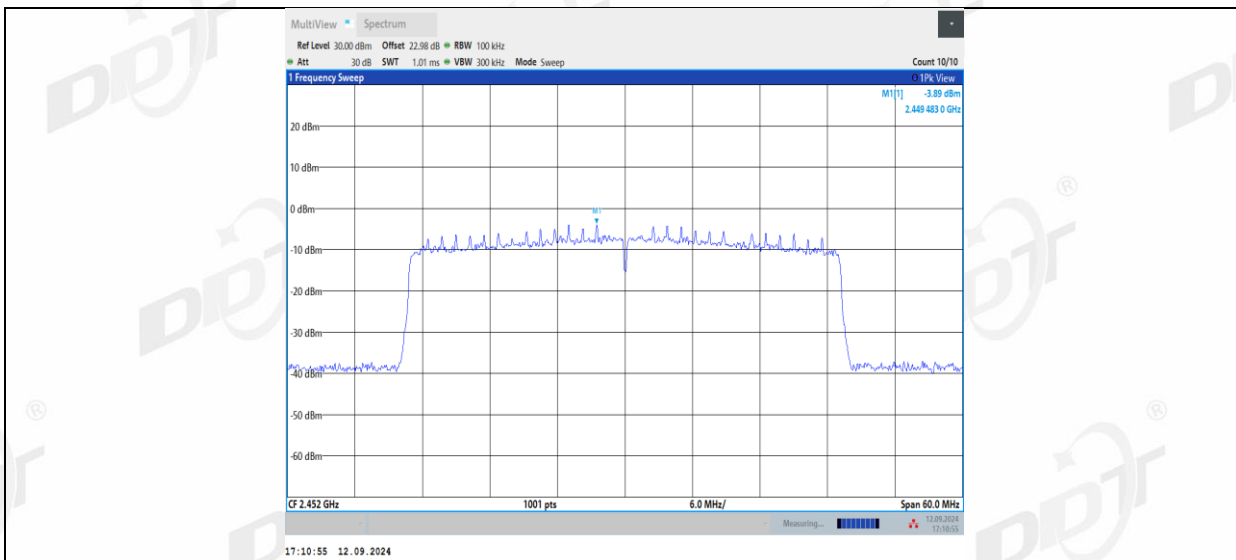
11AX40MIMO\_Ant1\_2452\_30~1000



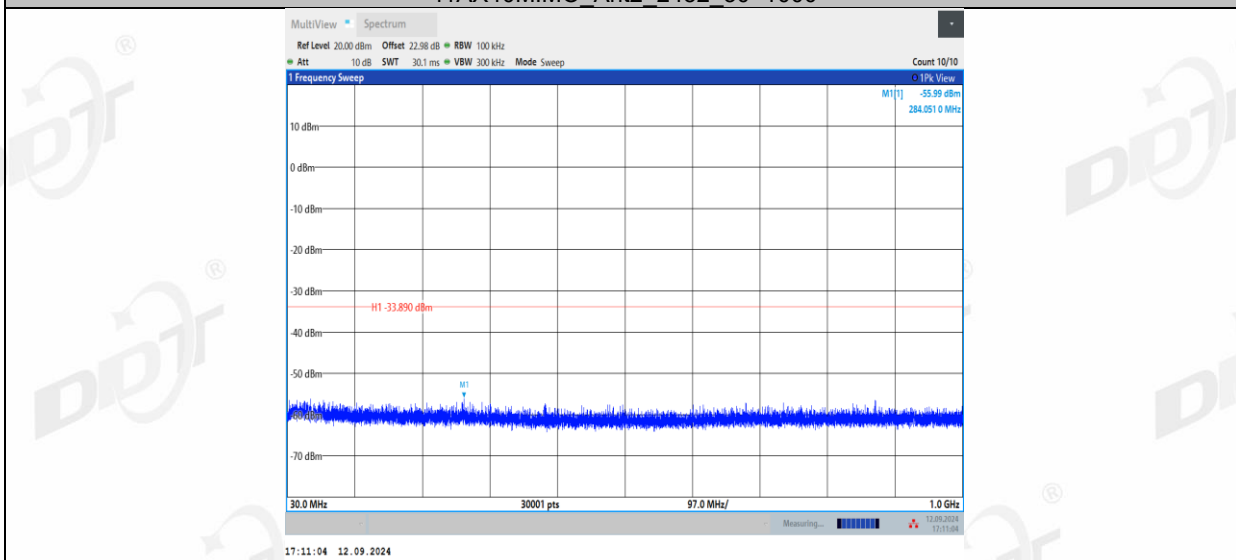
11AX40MIMO\_Ant1\_2452\_1000~26500



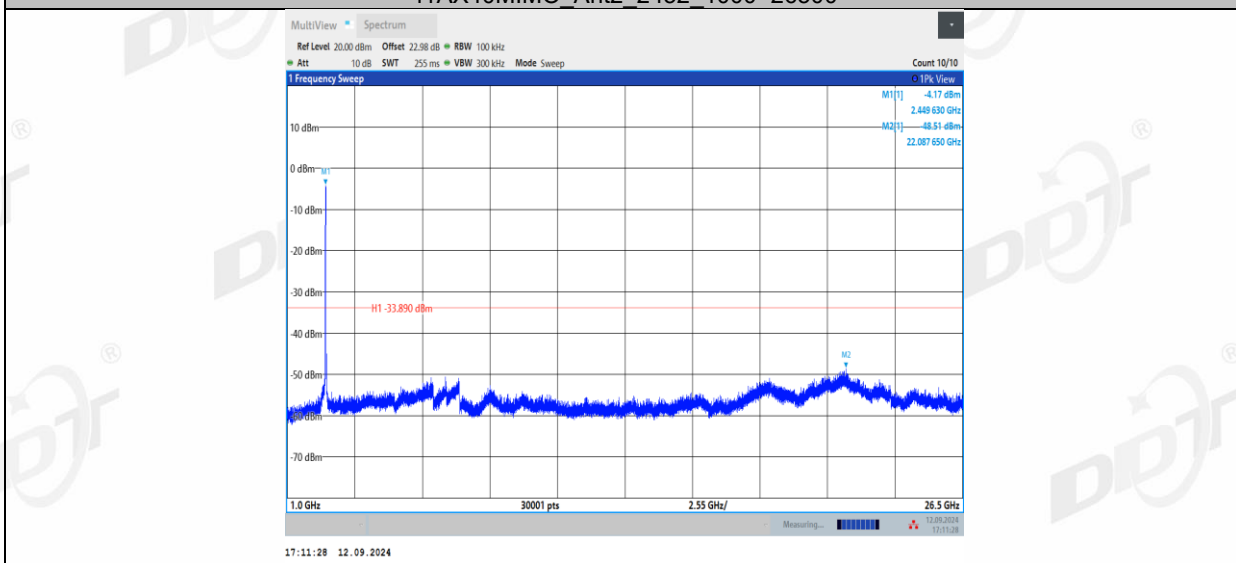
11AX40MIMO\_Ant2\_2452\_0~Reference



11AX40MIMO\_Ant2\_2452\_30~1000

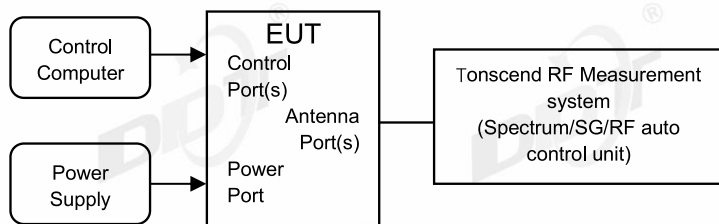


11AX40MIMO\_Ant2\_2452\_1000~26500



## 10. Duty Cycle

### 10.1. Block diagram of test setup



### 10.2. Limit

Just for Report.

### 10.3. Test procedure

(1) Connected the EUT's antenna port to the Spectrum Analyzer by suitable attenuator, The cable loss and attenuator loss have been put into spectrum analyzer as amplitude offset.

set the Spectrum Analyzer as below:

Centre Frequency: The centre frequency of the middle hopping channel.

Resolution BW: 10 MHz.

Video BW: 10 MHz.

Span: Zero span.

Detector: Peak.

Trace Mode: Clear Write.

Sweep: Video Trigger

(2) When the trace is complete, measure the sending time of 1 burst and the duty cycle of 1 burst cycle.

(3) Calculate dwell time follow below formula:

Duty cycle= Pulse's on time / Burst cycle



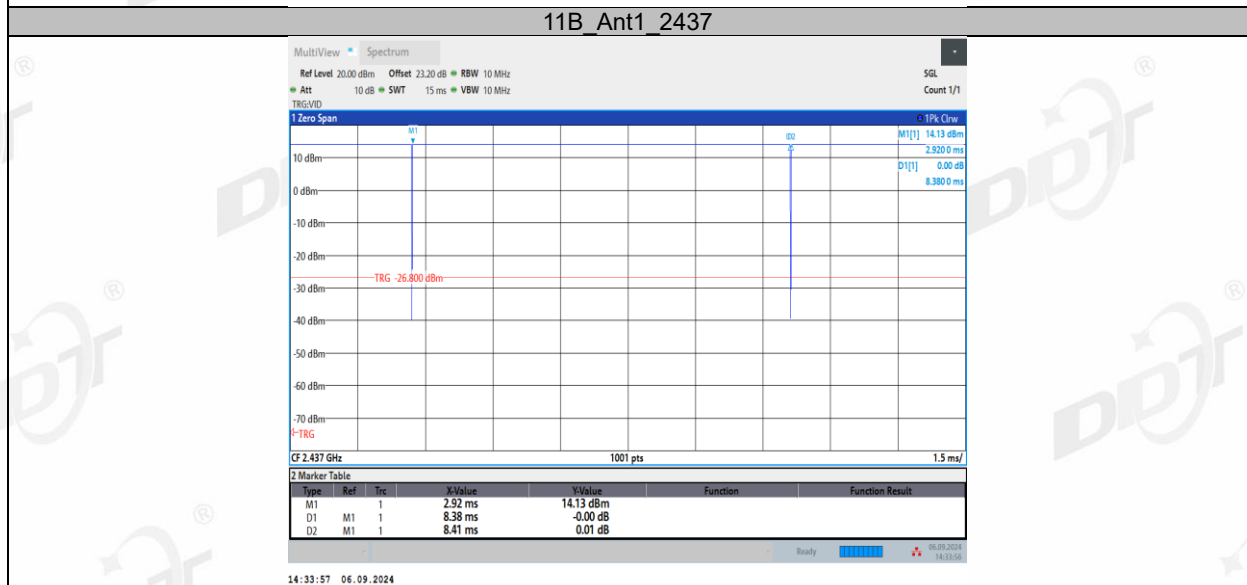
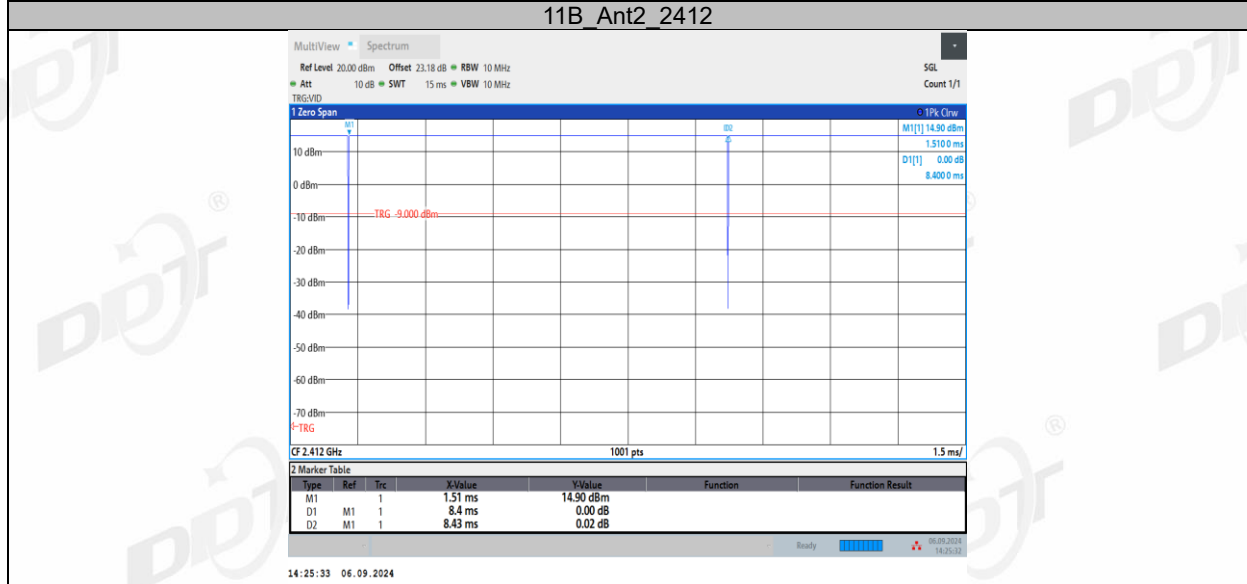
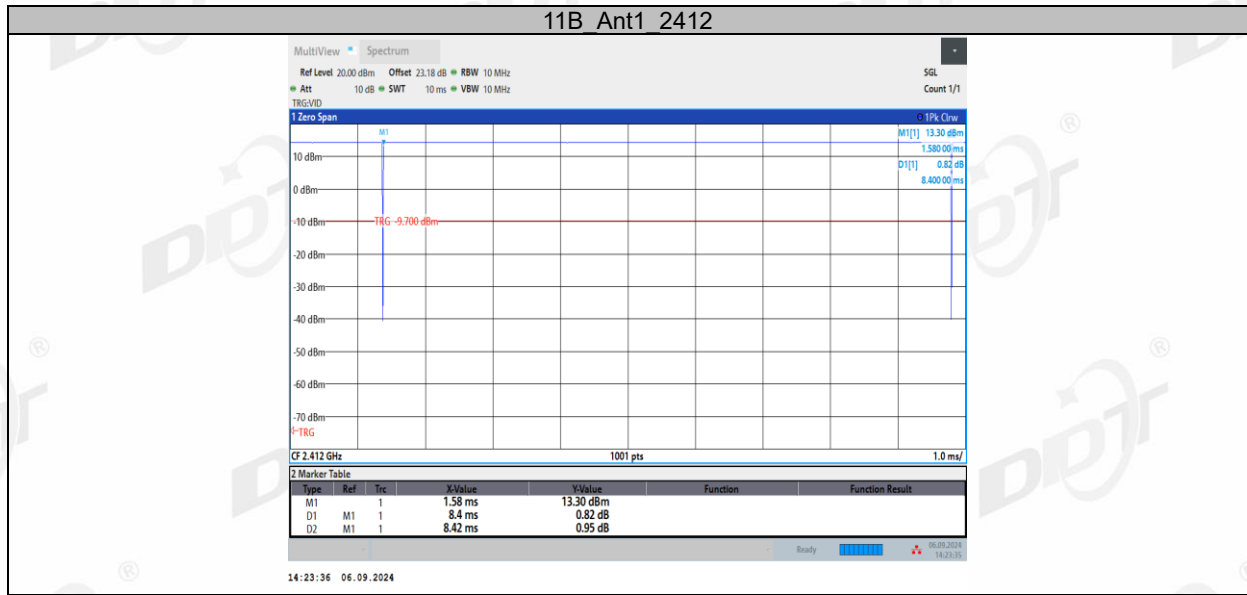
## 10.4. Test result

Test Engineer:	Zoe	Test Site:	RF Measurement System 4#
Ambient Condition:	25.6-27.4℃,48.1-50.3%RH	Test Date:	2024.09.06-2024.09.12
Test Power Supply:	AC 120V/60Hz	Sample Number:	S24081509-002

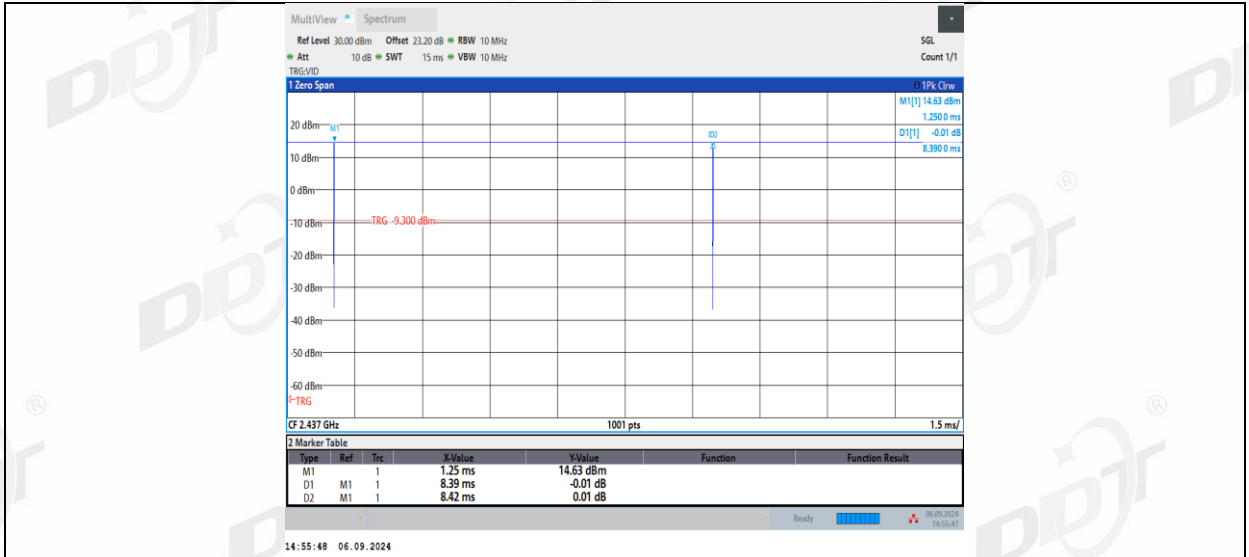
Test Mode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2412	8.40	8.42	99.76
	Ant2	2412	8.40	8.43	99.64
	Ant1	2437	8.38	8.41	99.64
	Ant2	2437	8.39	8.42	99.64
	Ant1	2462	8.39	8.42	99.64
	Ant2	2462	8.39	8.42	99.64
11G	Ant1	2412	1.39	1.43	97.20
	Ant2	2412	1.40	1.43	97.90
	Ant1	2437	1.39	1.43	97.20
	Ant2	2437	1.39	1.42	97.89
	Ant1	2462	1.39	1.42	97.89
	Ant2	2462	1.39	1.42	97.89
11N20MIMO	Ant1	2412	0.67	0.71	94.37
	Ant2	2412	0.67	0.71	94.37
	Ant1	2437	0.67	0.70	95.71
	Ant2	2437	0.67	0.70	95.71
	Ant1	2462	0.67	0.71	94.37
	Ant2	2462	0.67	0.70	95.71
11N40MIMO	Ant1	2422	0.35	0.38	92.11
	Ant2	2422	0.35	0.39	89.74
	Ant1	2437	0.35	0.38	92.11
	Ant2	2437	0.35	0.38	92.11
	Ant1	2452	0.34	0.38	89.47
	Ant2	2452	0.35	0.38	92.11
11AX20MIMO O	Ant1	2412	1.02	1.06	96.23
	Ant2	2412	1.02	1.06	96.23
	Ant1	2437	1.01	1.05	96.19
	Ant2	2437	1.02	1.05	97.14
	Ant1	2462	1.01	1.05	96.19
	Ant2	2462	1.02	1.05	97.14
11AX40MIMO O	Ant1	2422	0.53	0.57	92.98
	Ant2	2422	0.53	0.57	92.98
	Ant1	2437	0.53	0.57	92.98
	Ant2	2437	0.53	0.57	92.98
	Ant1	2452	0.53	0.57	92.98
	Ant2	2452	0.53	0.57	92.98

Test Mode	Antenna	Frequency [MHz]	Ru Size	Ru Index	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]		
11AX20MIMO	Ant1	2412	26Tone	RU0	0.58	1.19	48.74		
				RU4	0.58	1.25	46.40		
				RU8	0.58	1.20	48.33		
			52Tone	RU37	0.33	0.94	35.11		
				RU39	0.33	0.94	35.11		
				RU40	0.32	0.94	34.04		
			106Tone	RU53	0.19	0.80	23.75		
				RU54	0.19	0.80	23.75		
			Ant2	2412	26Tone	RU0	0.58	1.20	48.33
						RU4	0.58	1.20	48.33
						RU8	0.58	1.19	48.74
	52Tone	RU37			0.33	0.95	34.74		
		RU39			0.32	0.95	33.68		
		RU40			0.33	0.94	35.11		
	106Tone	RU53			0.20	0.80	25.00		
		RU54			0.19	0.80	23.75		
	Ant1	2437			26Tone	RU0	0.58	1.20	48.33
						RU4	0.58	1.19	48.74
						RU8	0.58	1.19	48.74
			52Tone	RU37	0.33	0.95	34.74		
				RU39	0.33	0.95	34.74		
				RU40	0.32	0.94	34.04		
			106Tone	RU53	0.19	0.80	23.75		
				RU54	0.19	0.80	23.75		
			Ant2	2437	26Tone	RU0	0.58	1.23	47.15
						RU4	0.58	1.20	48.33
						RU8	0.58	1.19	48.74
	52Tone	RU37			0.33	0.94	35.11		
		RU39			0.33	0.95	34.74		
		RU40			0.32	0.94	34.04		
	106Tone	RU53			0.19	0.80	23.75		
		RU54			0.20	0.80	25.00		
	Ant1	2462			26Tone	RU0	0.58	1.19	48.74
						RU4	0.58	1.19	48.74
						RU8	0.58	1.19	48.74
			52Tone	RU37	0.33	0.95	34.74		
				RU39	0.32	0.95	33.68		
				RU40	0.32	0.94	34.04		
			106Tone	RU53	0.20	0.80	25.00		
				RU54	0.20	0.82	24.39		
			Ant2	2462	26Tone	RU0	0.58	1.19	48.74
						RU4	0.58	1.19	48.74
						RU8	0.58	1.19	48.74
52Tone	RU37	0.32			0.94	34.04			
	RU39	0.32			0.94	34.04			
	RU40	0.33			0.95	34.74			
106Tone	RU53	0.20			0.80	25.00			
	RU54	0.19			0.80	23.75			
11AX40MIMO	Ant1	2422			242Tone	RU61	0.13	0.75	17.33
						RU62	0.13	0.74	17.57
	Ant2	2422			242Tone	RU61	0.12	0.74	16.22
			RU62	0.13		0.74	17.57		
	Ant1	2437	242Tone	RU61	0.13	0.74	17.57		
				RU62	0.12	0.74	16.22		
	Ant2	2437	242Tone	RU61	0.12	0.73	16.44		
				RU62	0.13	0.73	17.81		
	Ant1	2452	242Tone	RU61	0.13	0.73	17.81		
				RU62	0.13	0.73	17.81		
	Ant2	2452	242Tone	RU61	0.12	0.73	16.44		
				RU62	0.12	0.74	16.22		

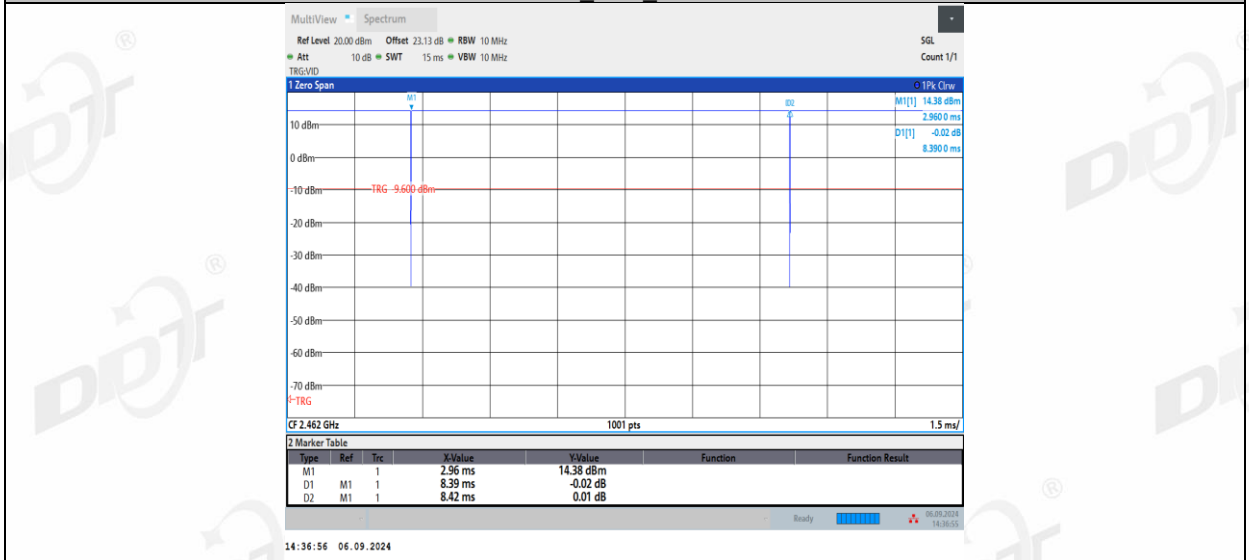
10.5. Test graphs



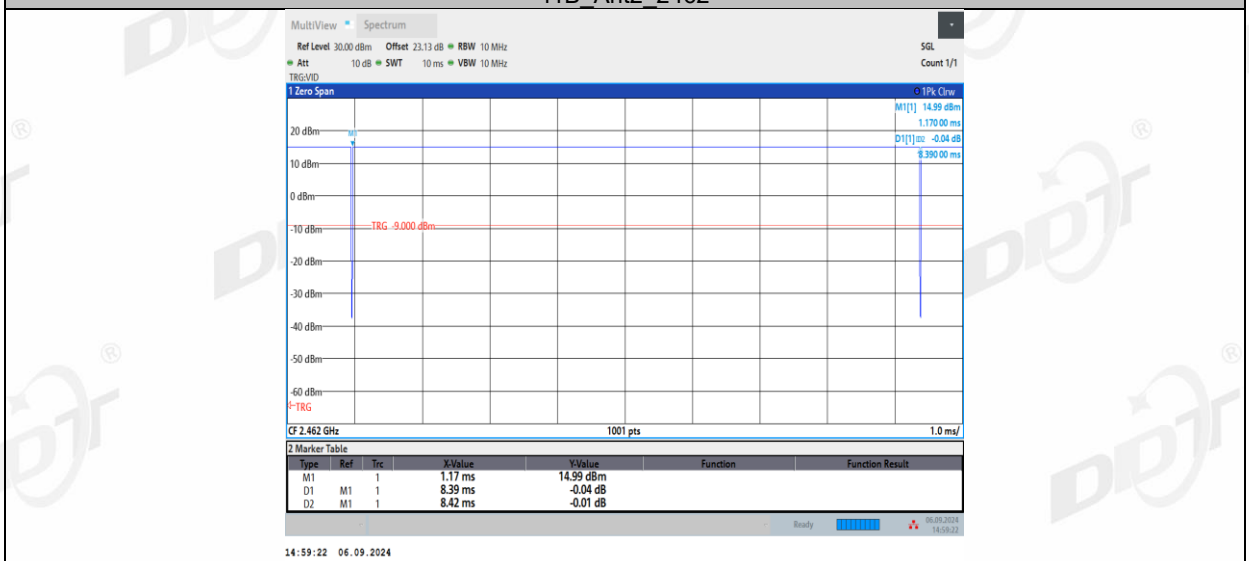
**11B\_Ant2\_2437**



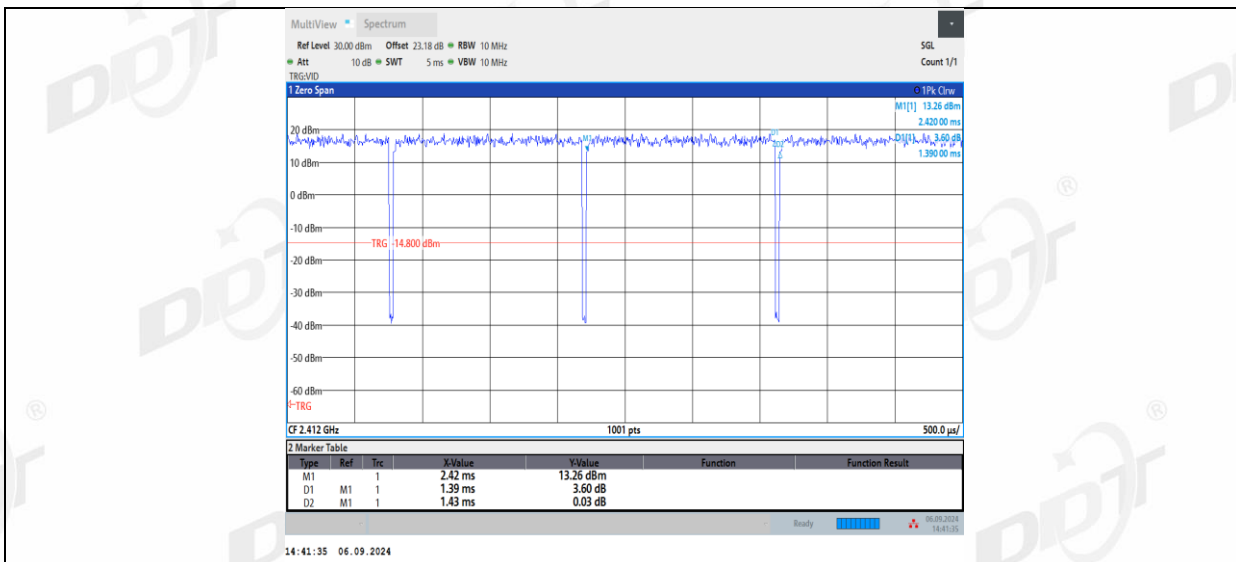
11B\_Ant1\_2462



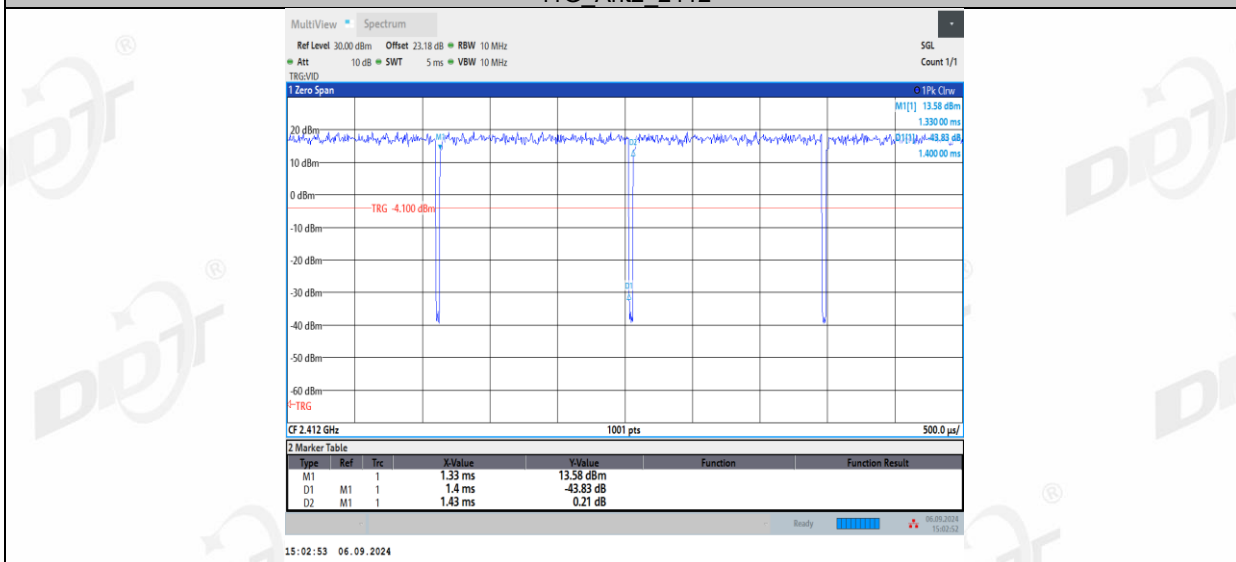
11B\_Ant2\_2462



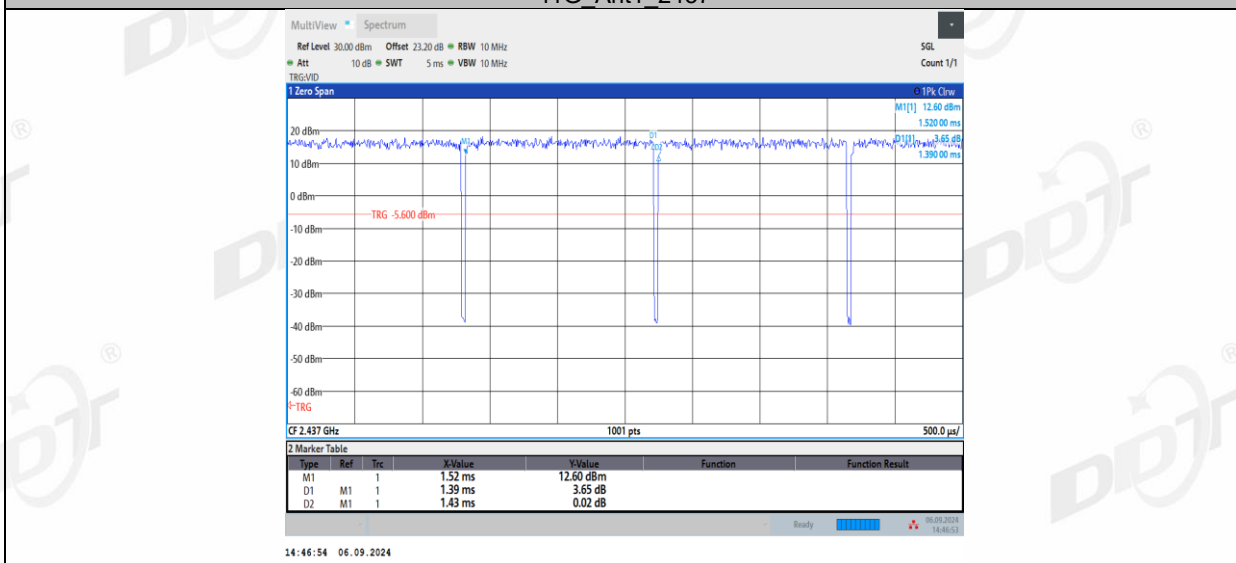
11G\_Ant1\_2412



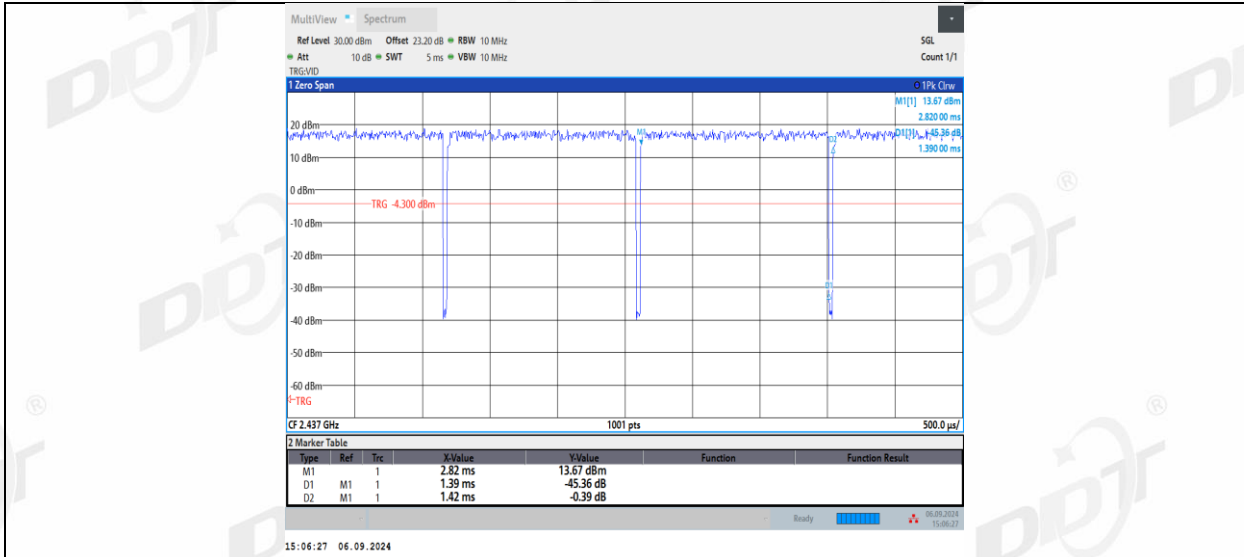
11G\_Ant2\_2412



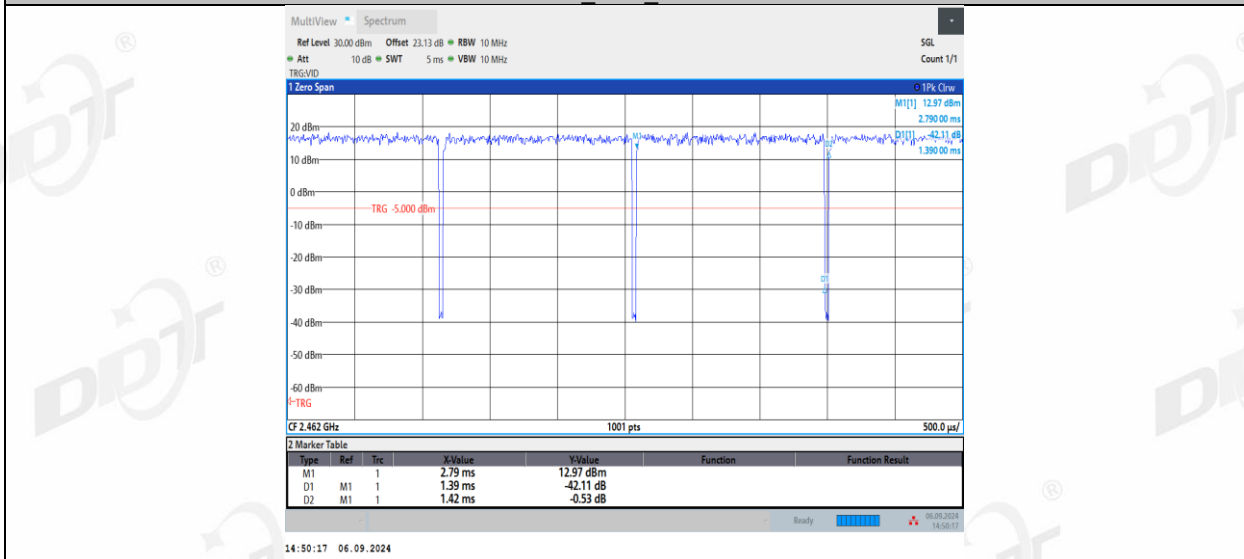
11G\_Ant1\_2437



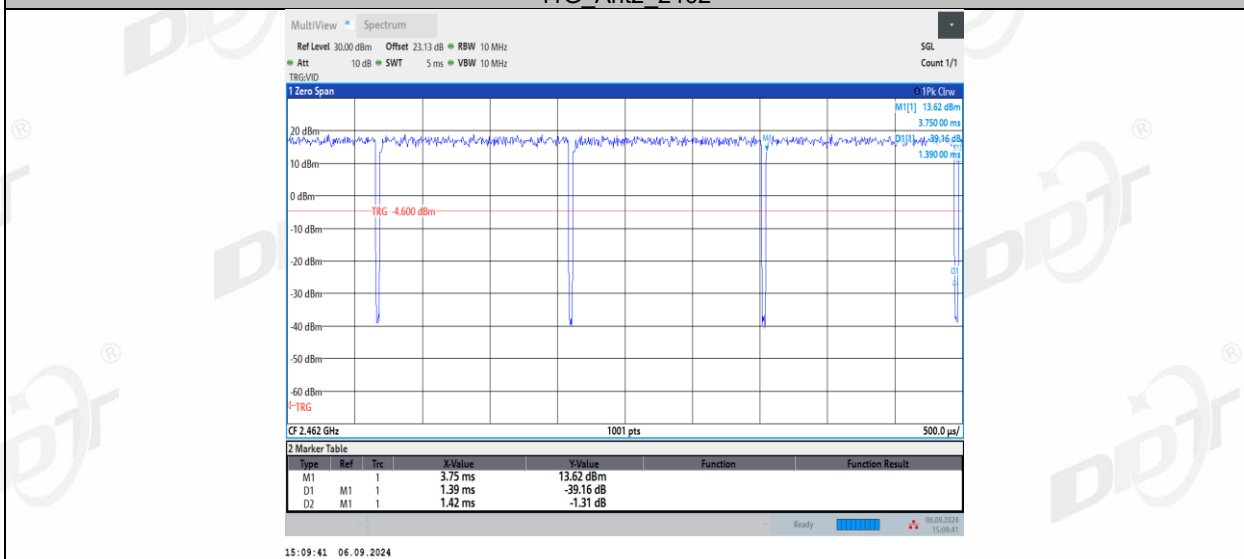
11G\_Ant2\_2437



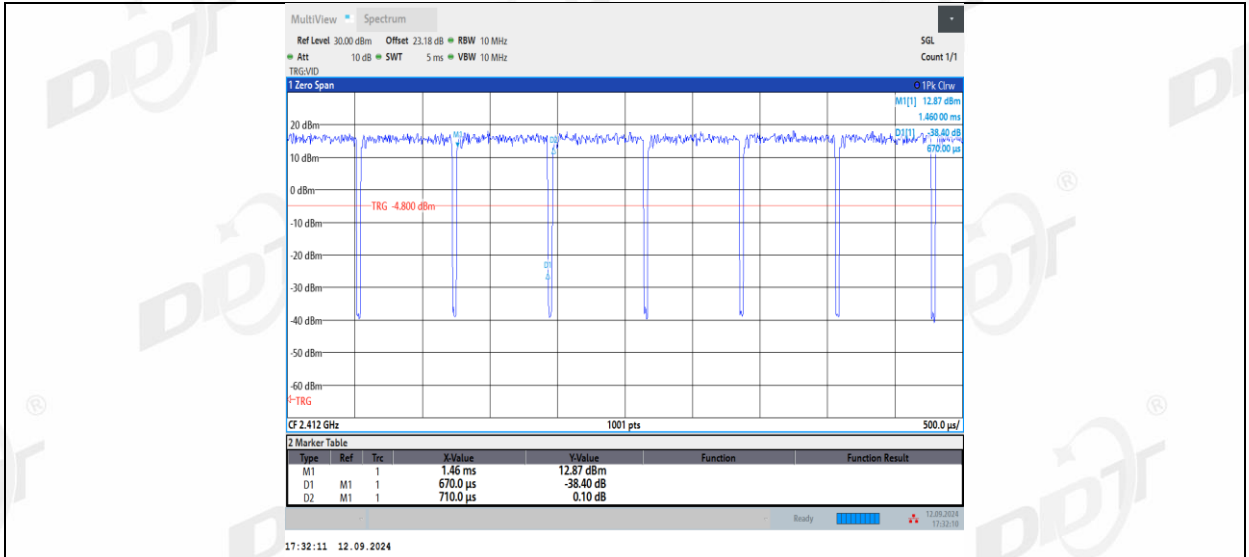
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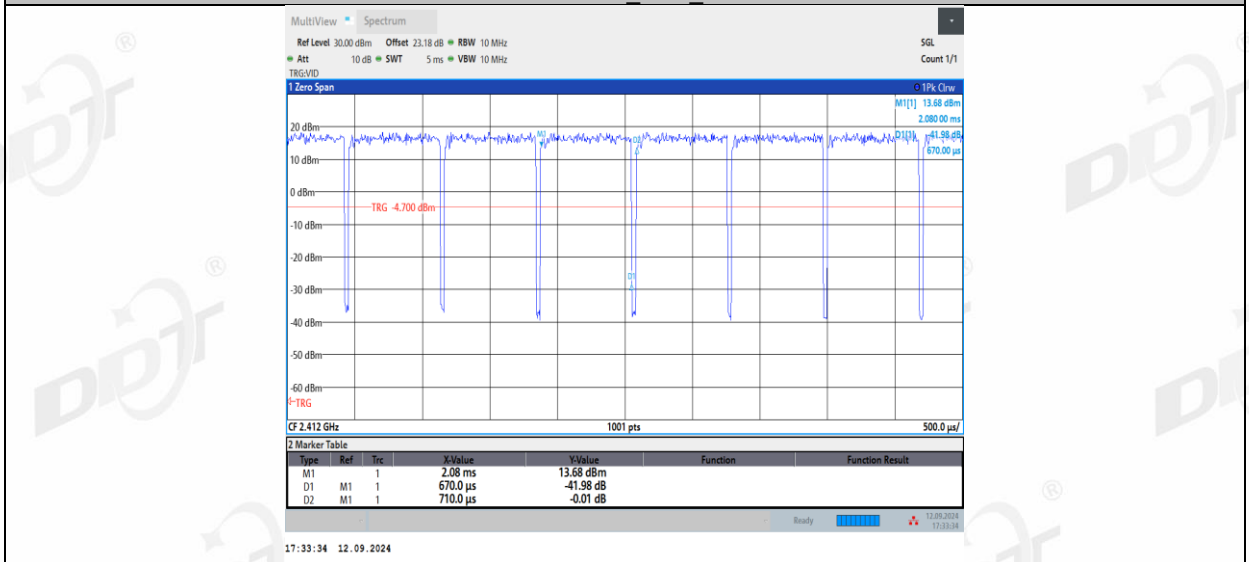
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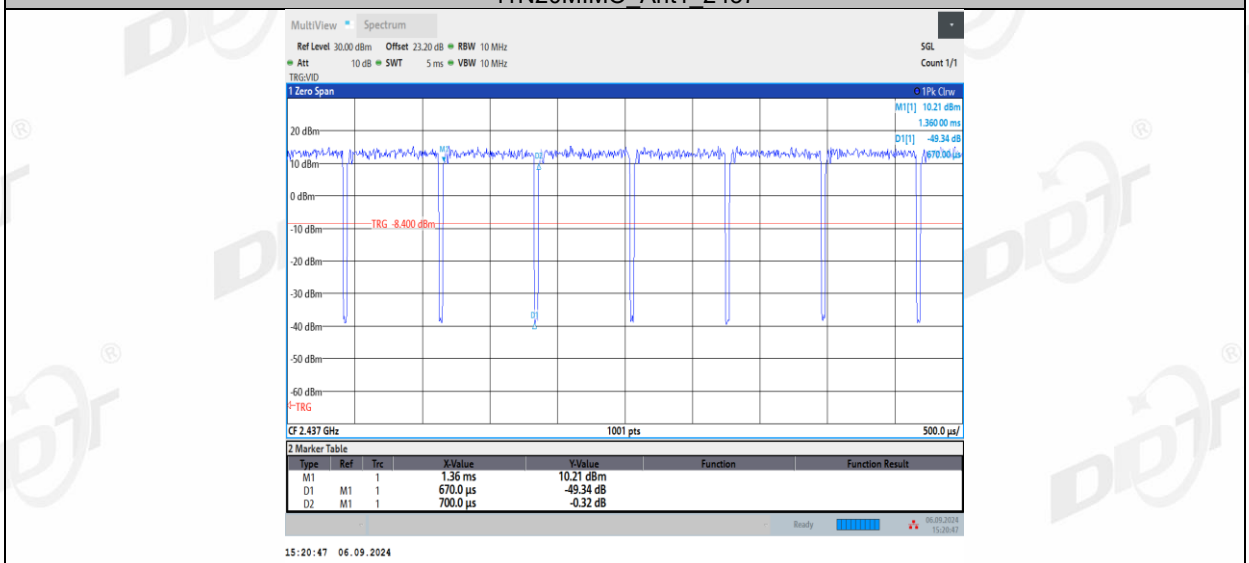
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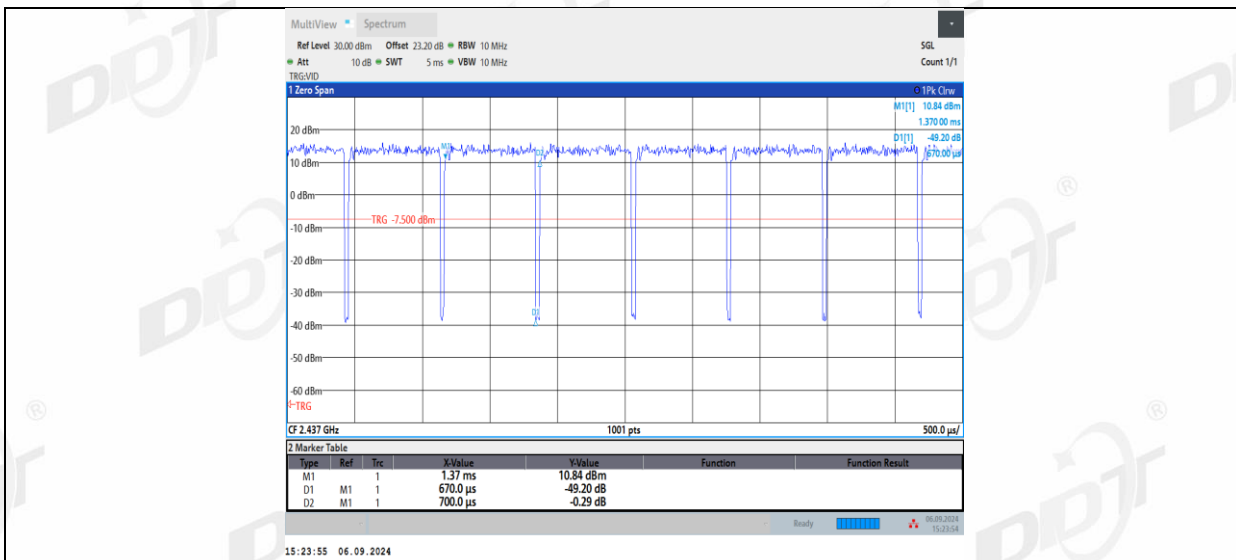
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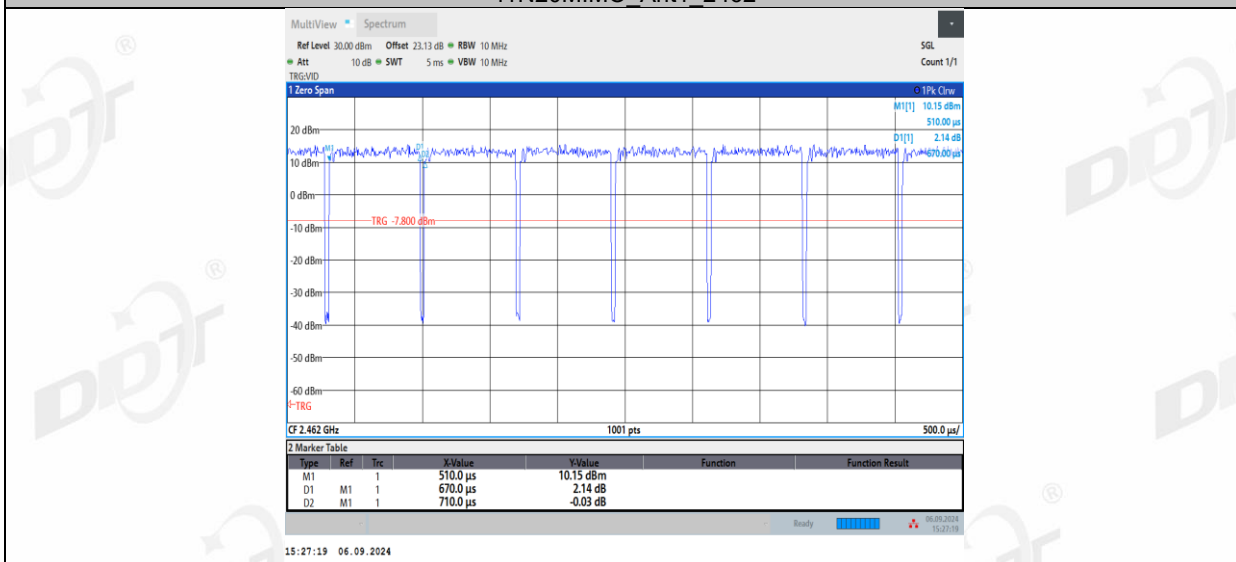
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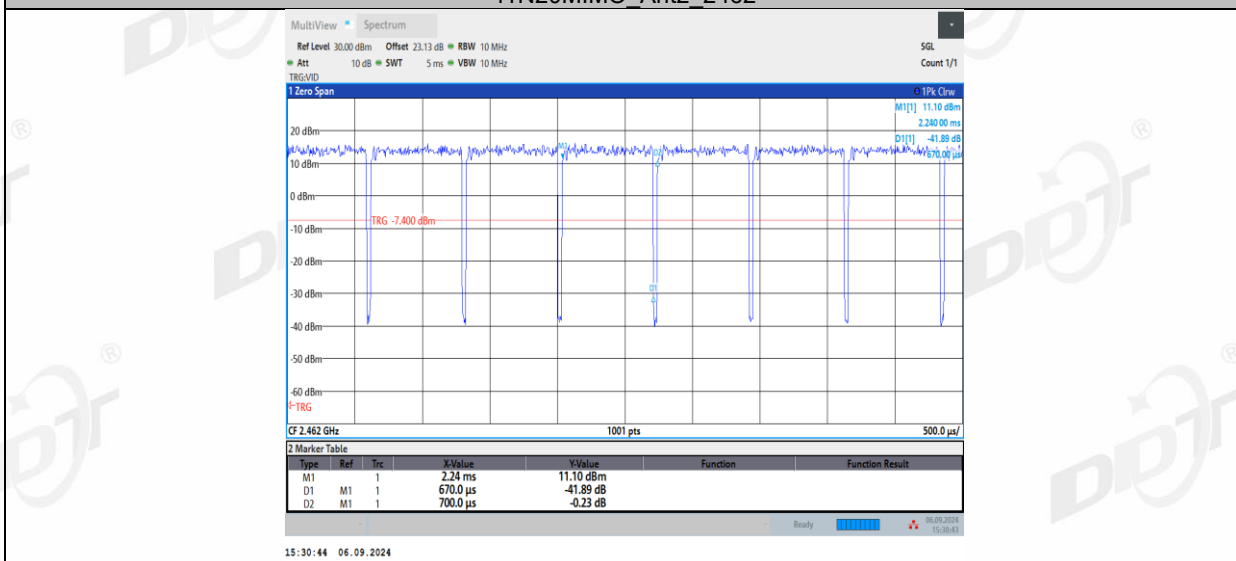
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11N20MIMO\_Ant1\_2462

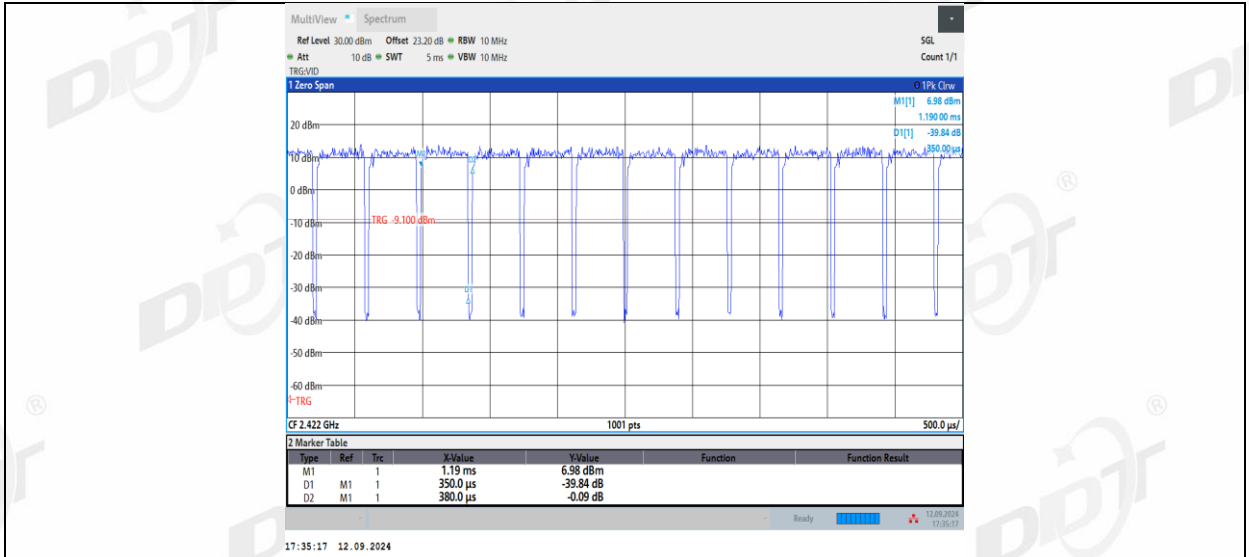


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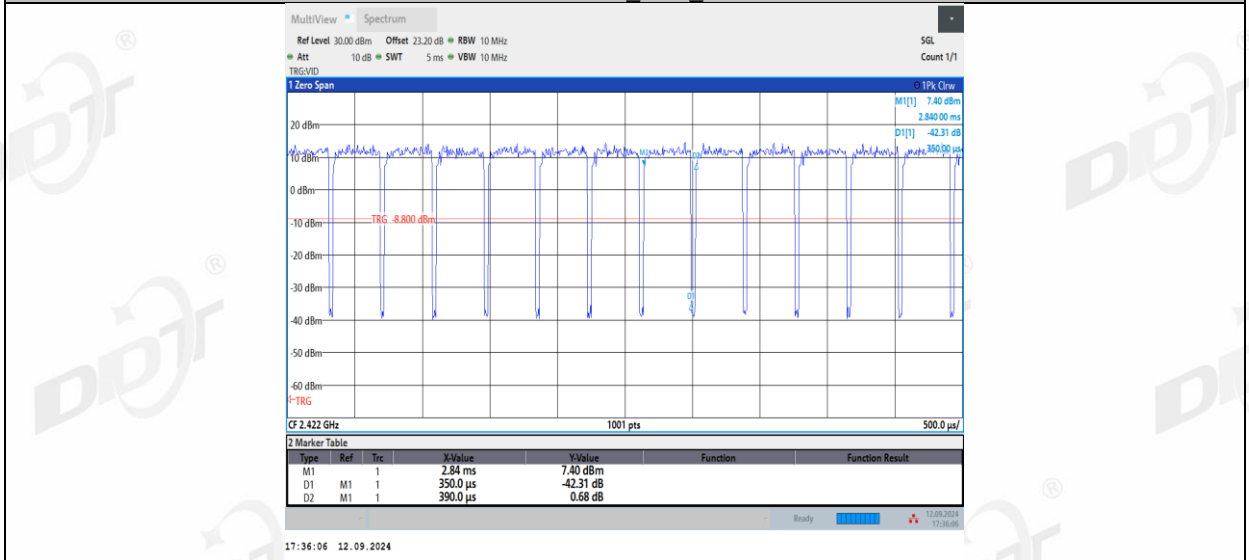


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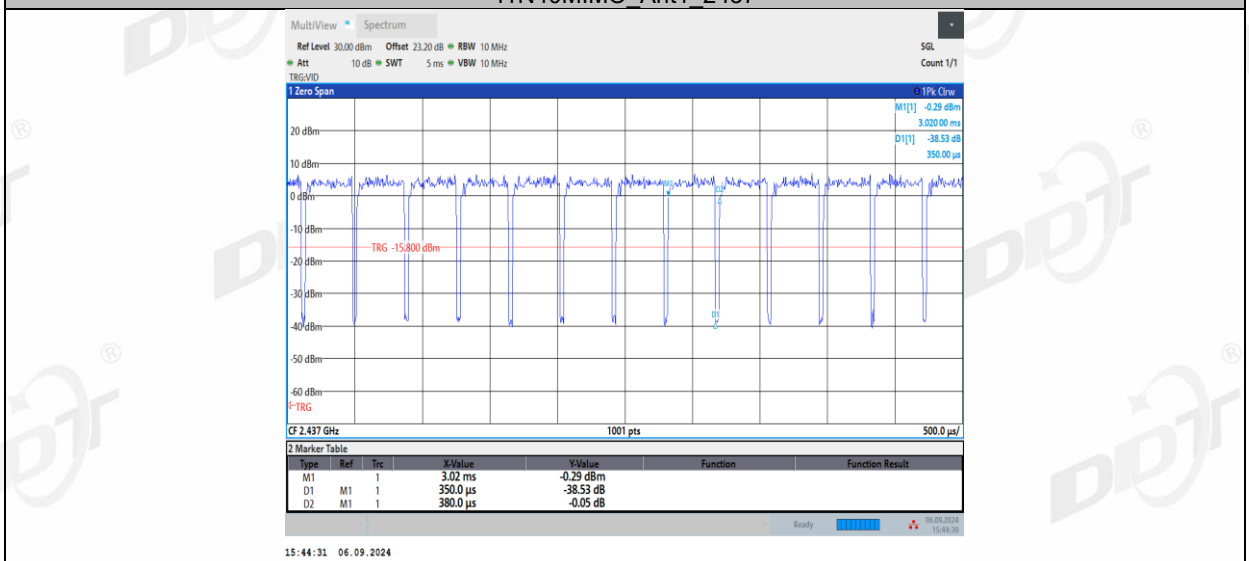




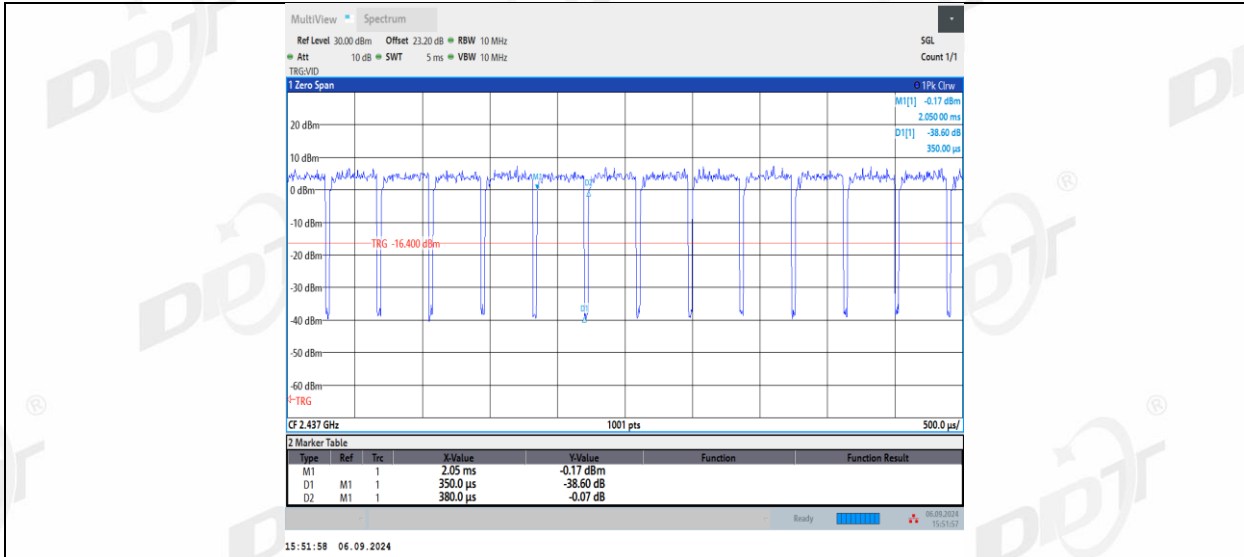
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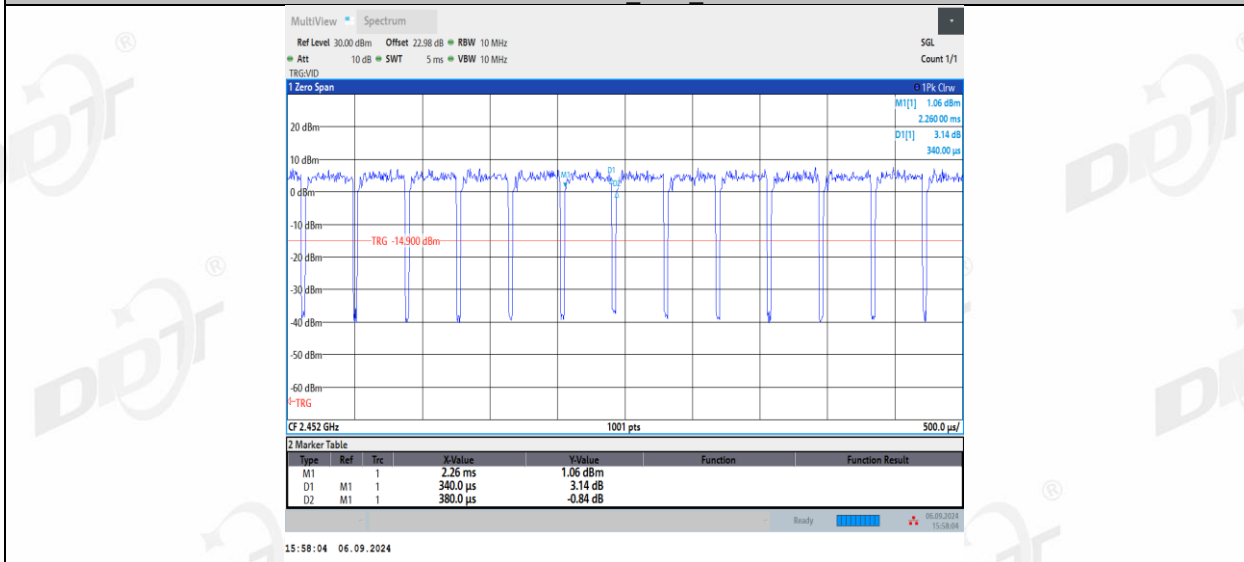
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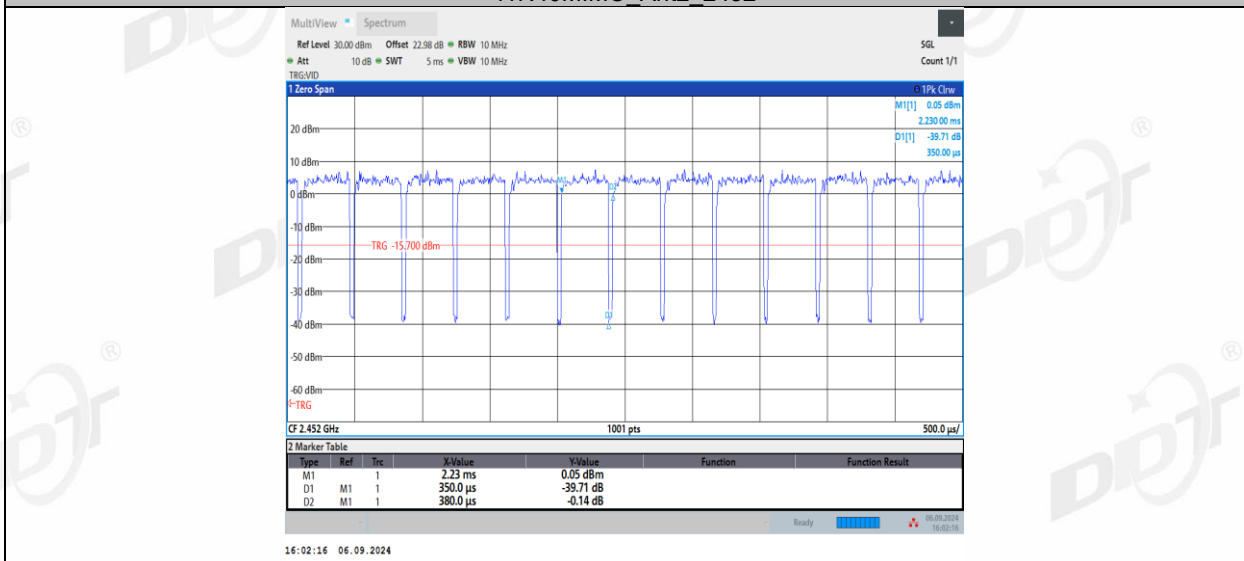
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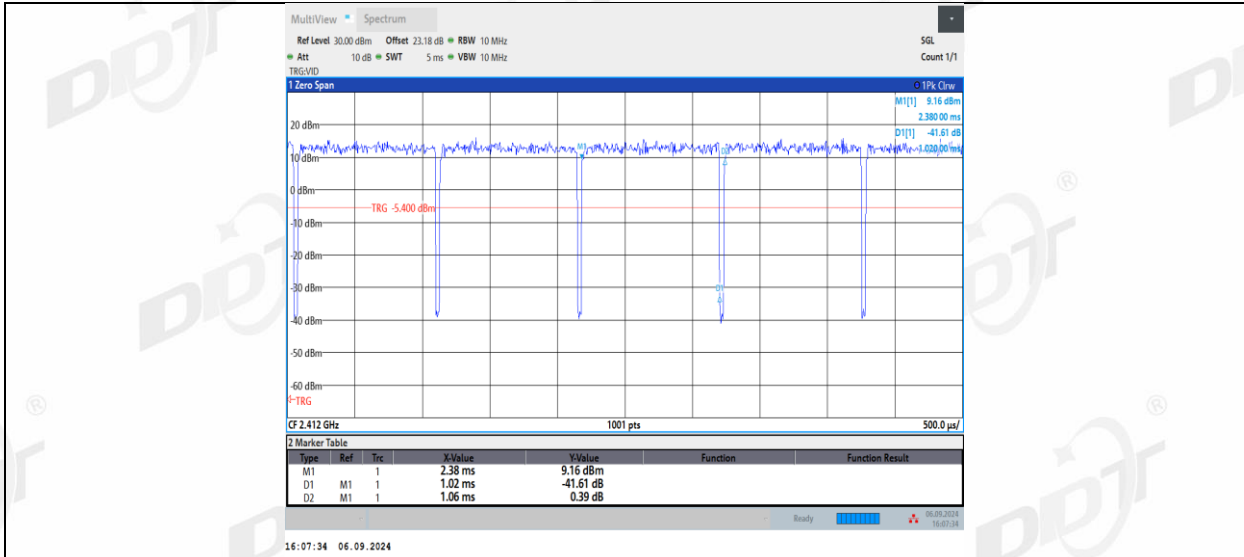
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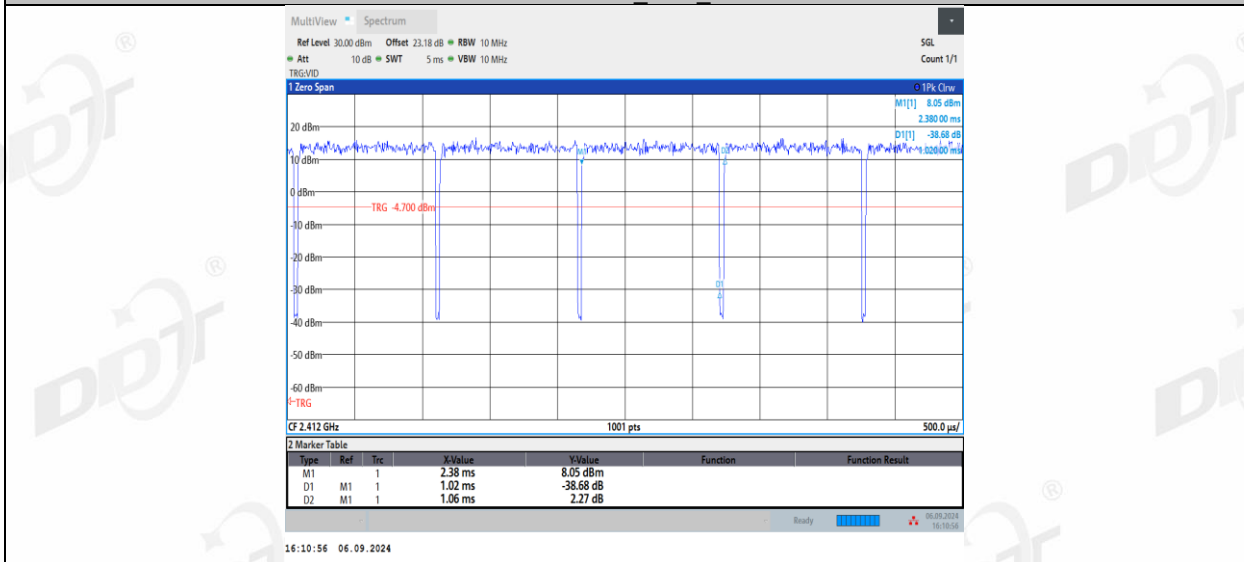
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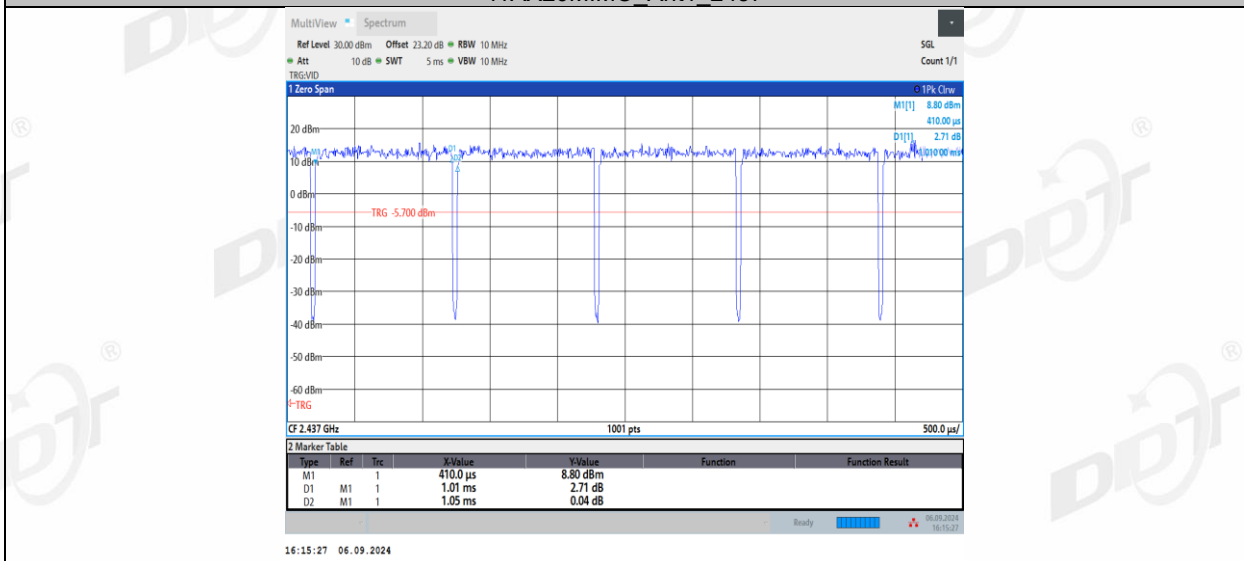
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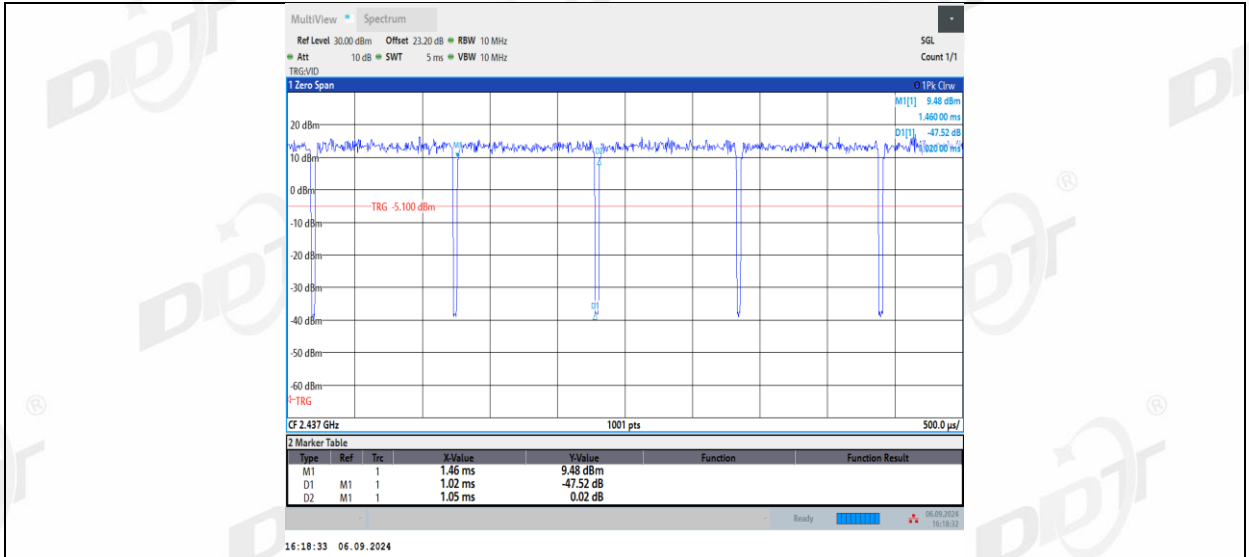
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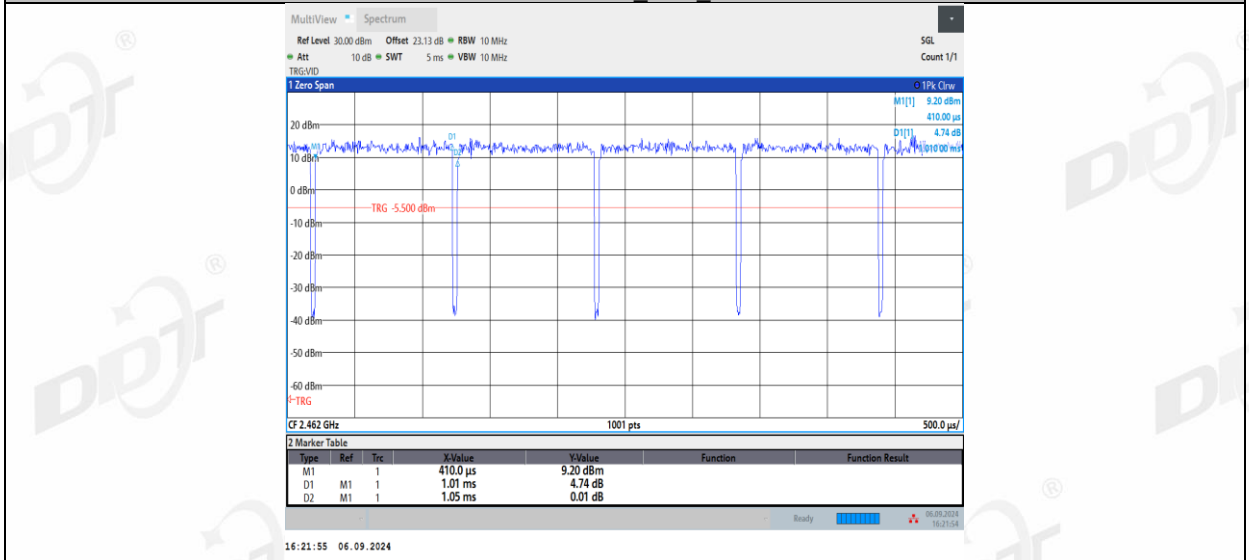
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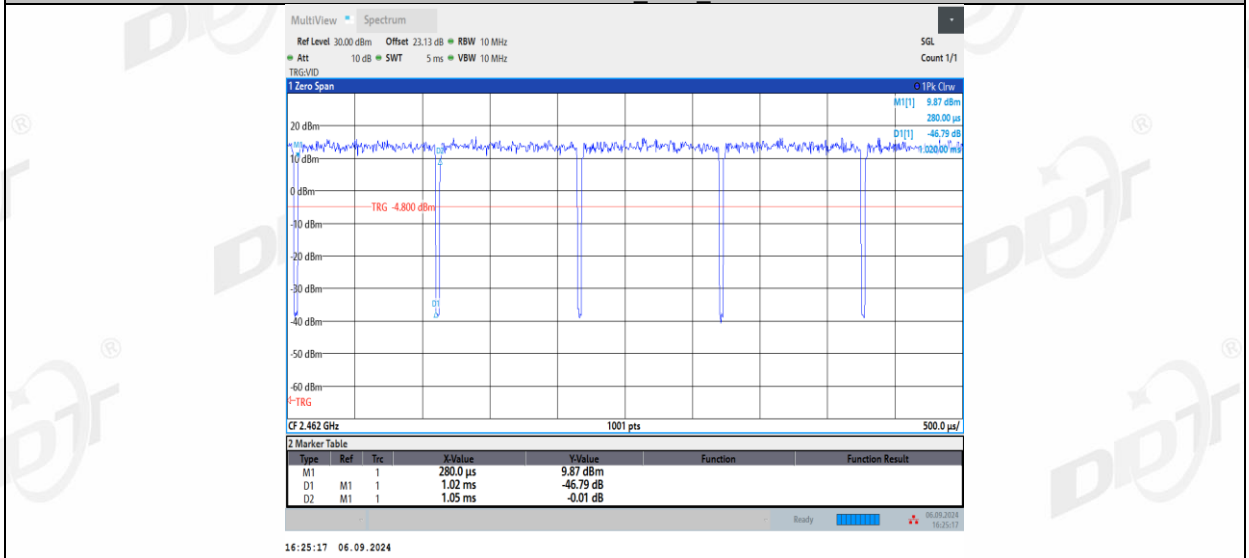
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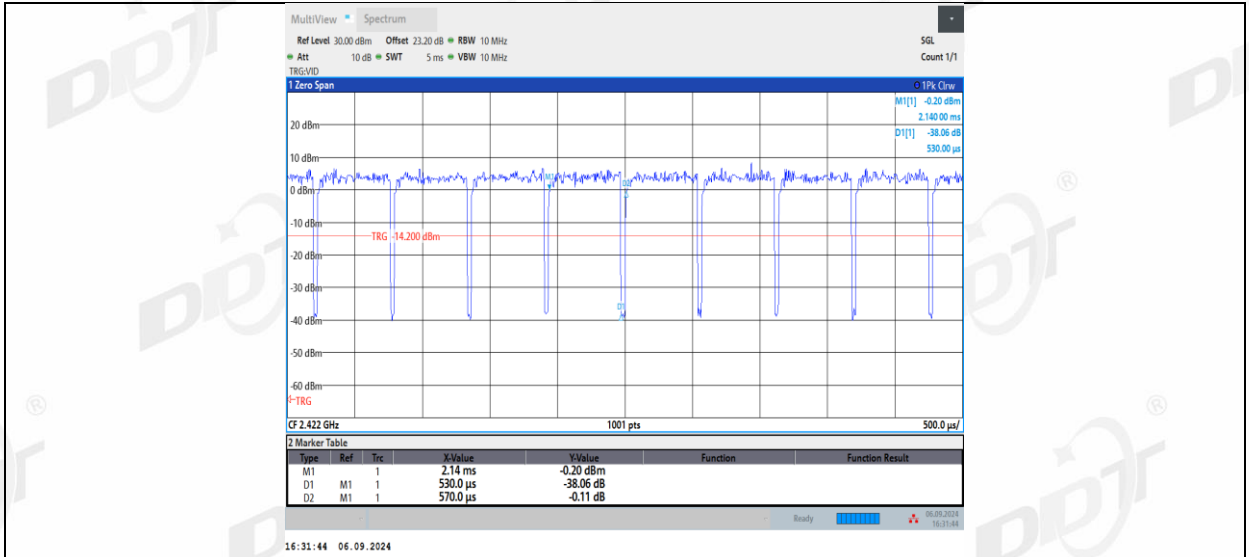
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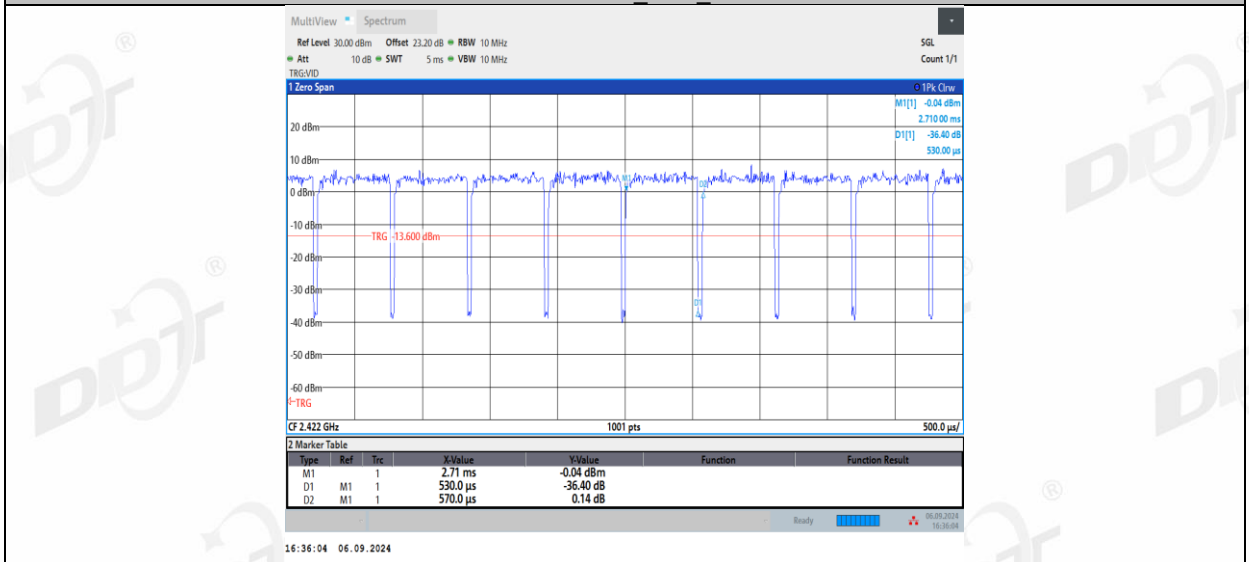
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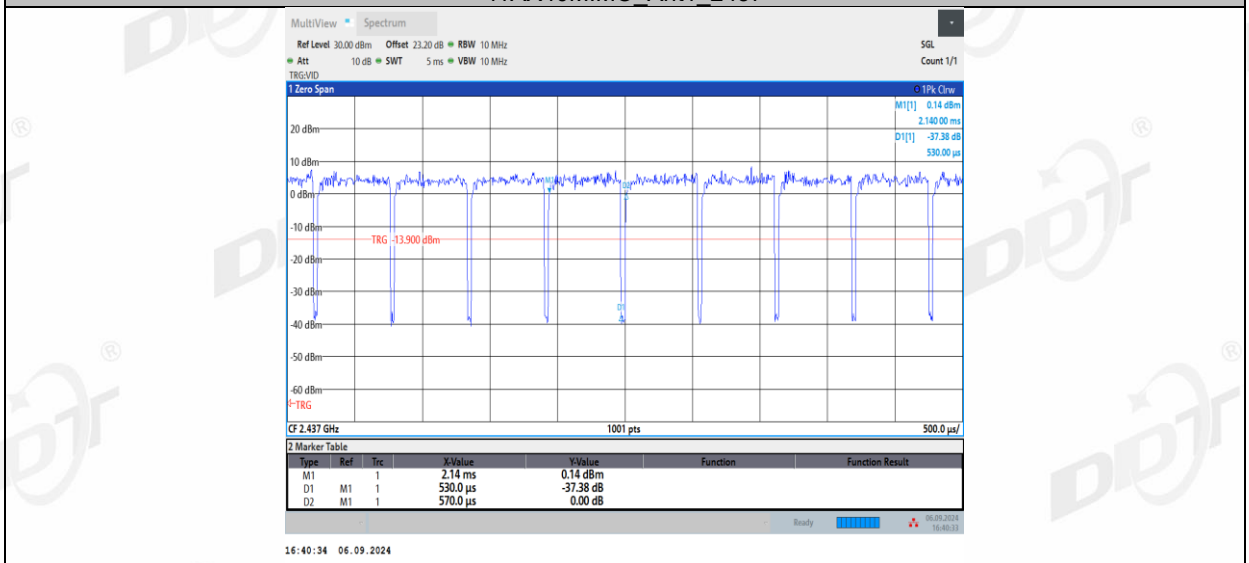
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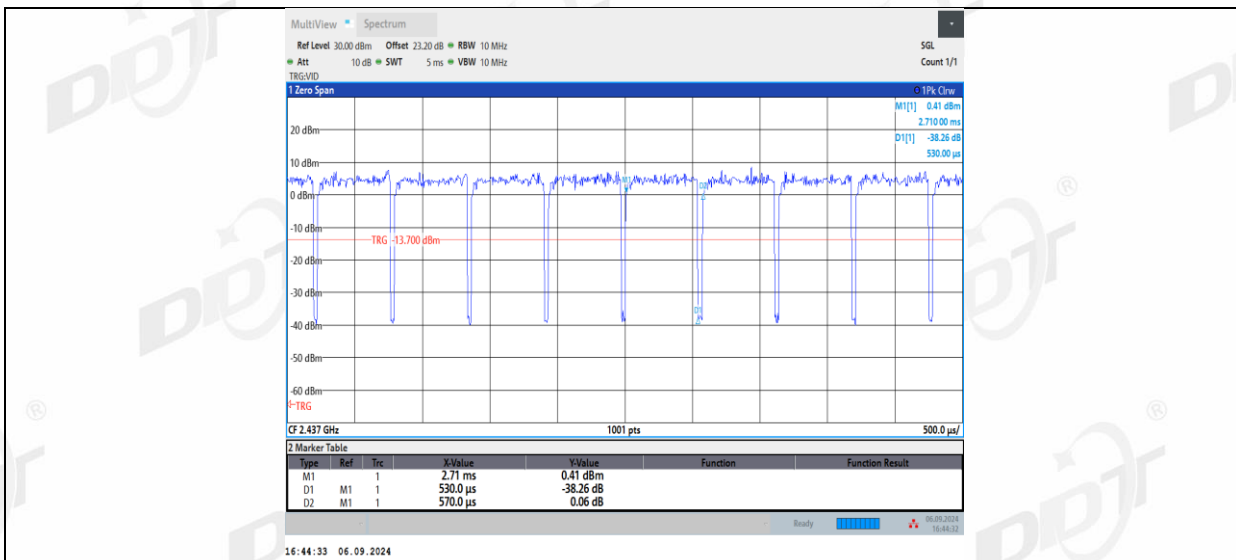
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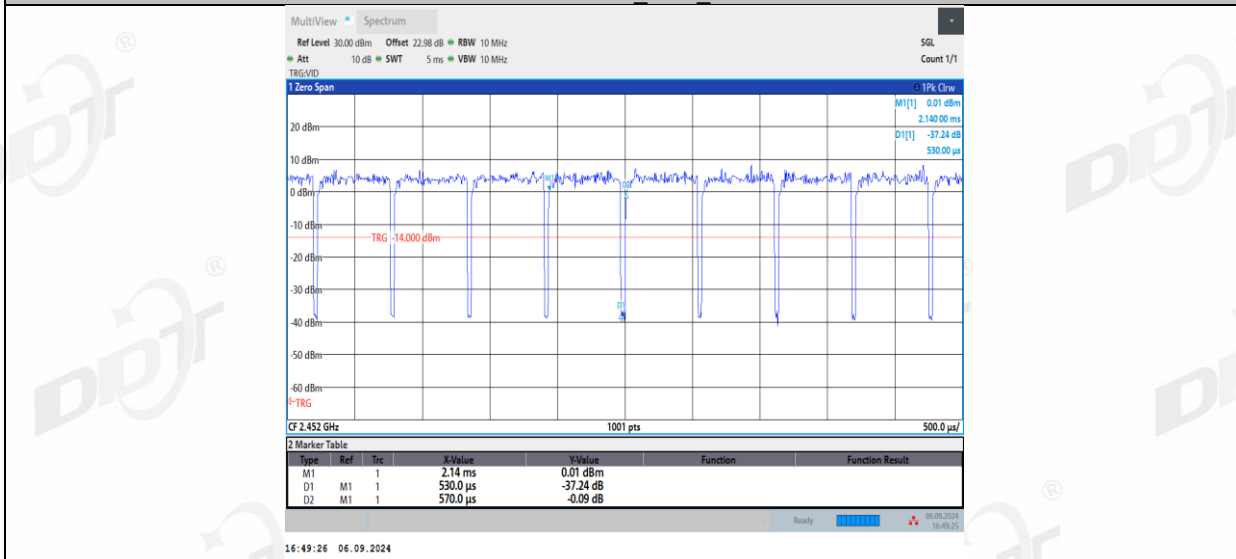
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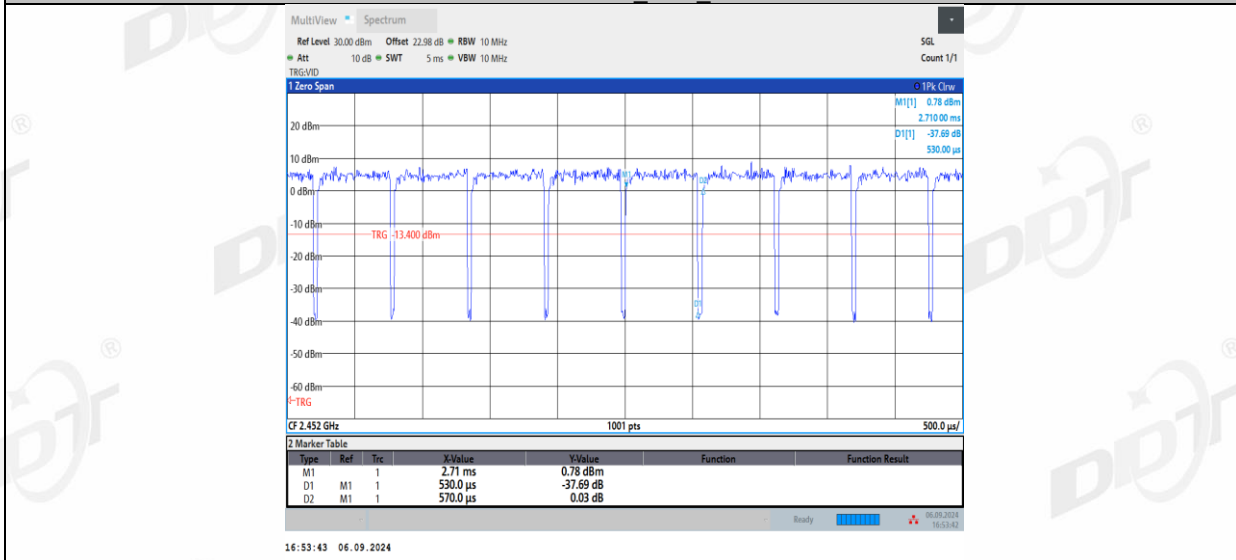
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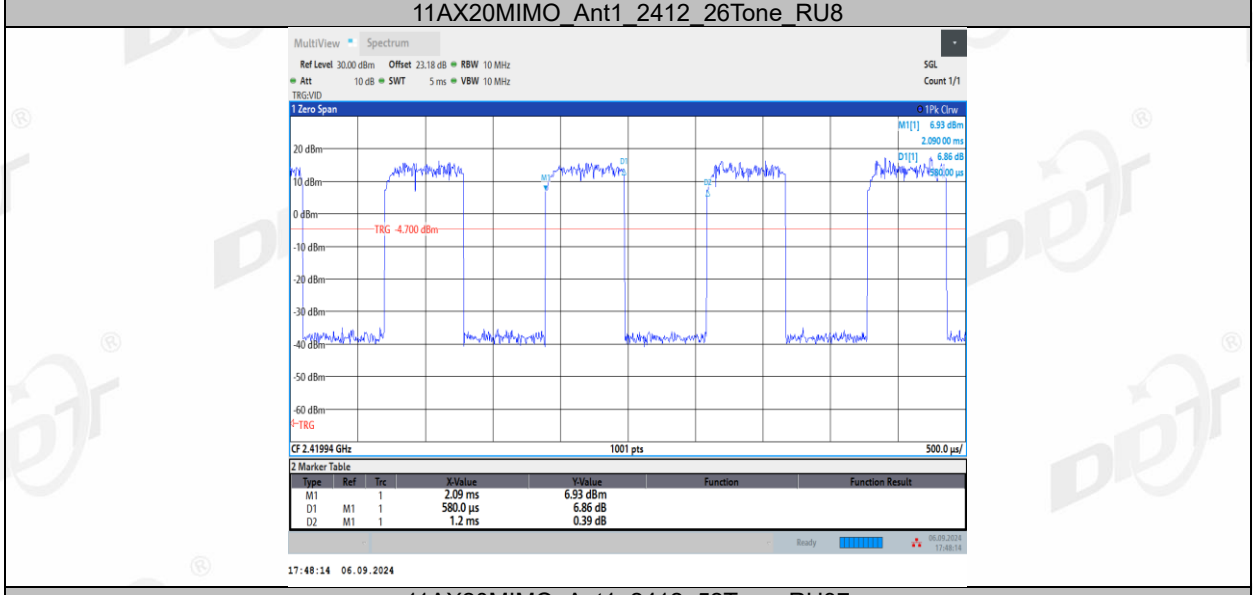
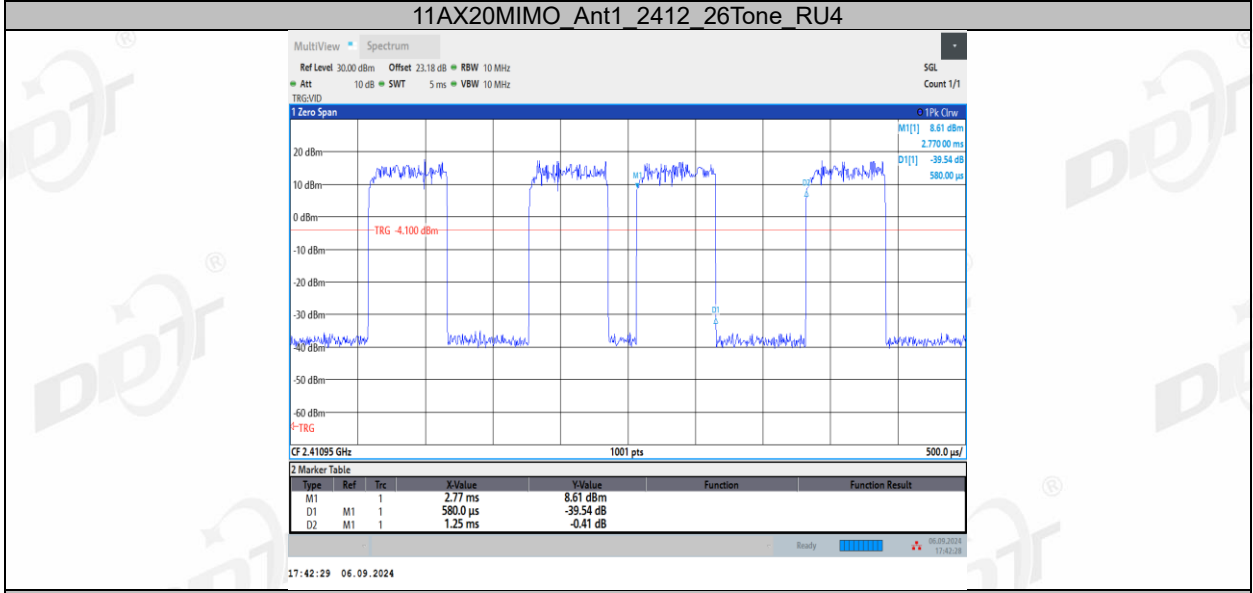
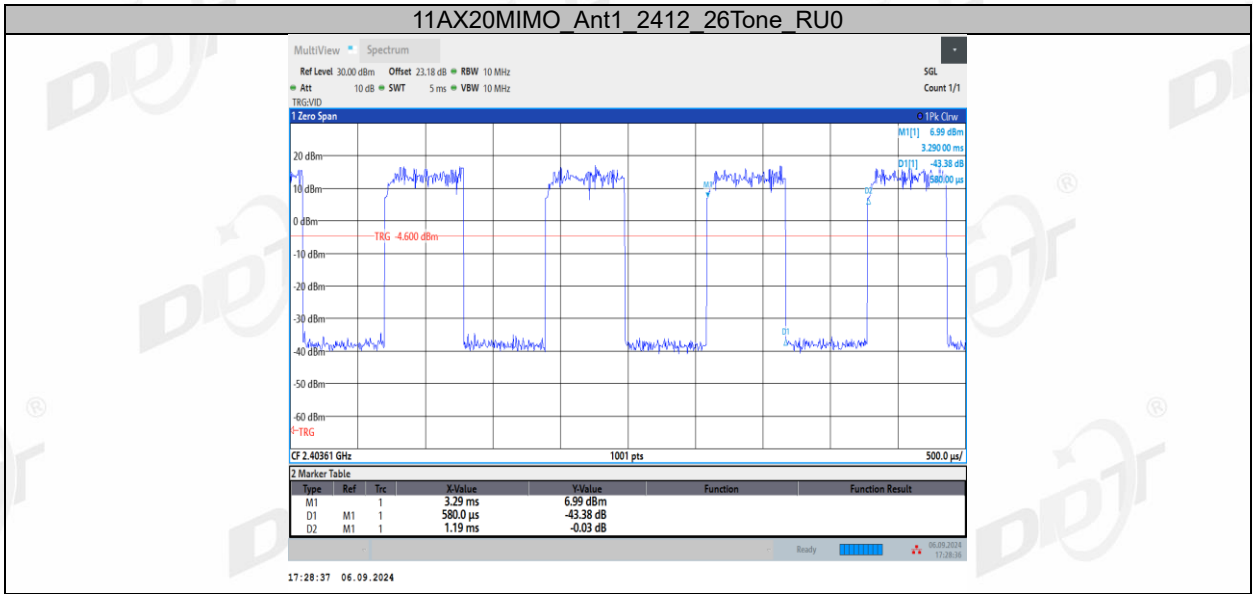


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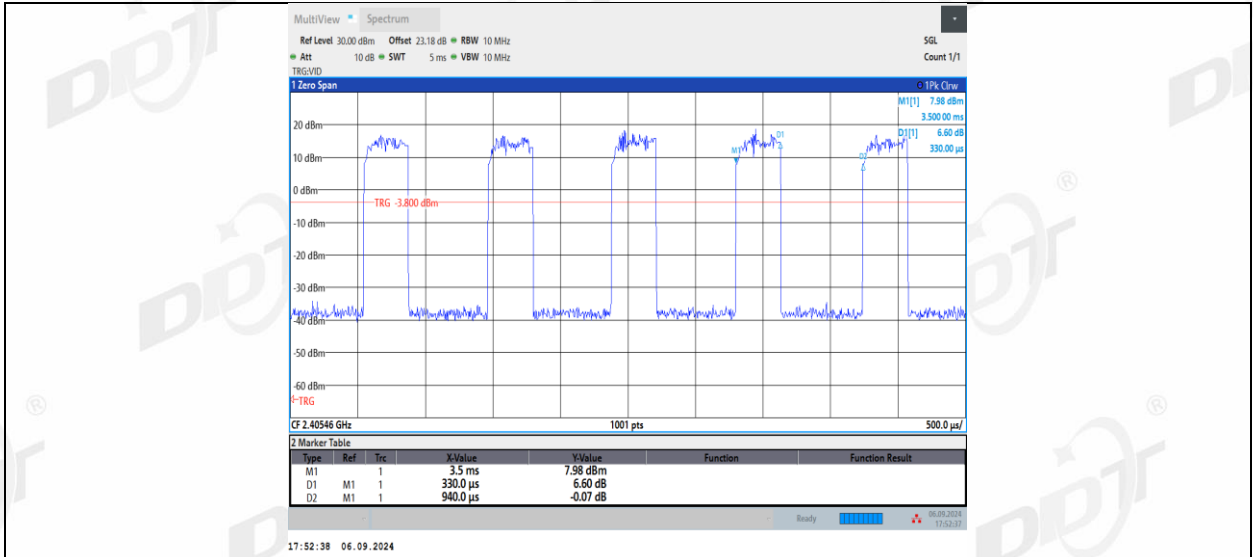
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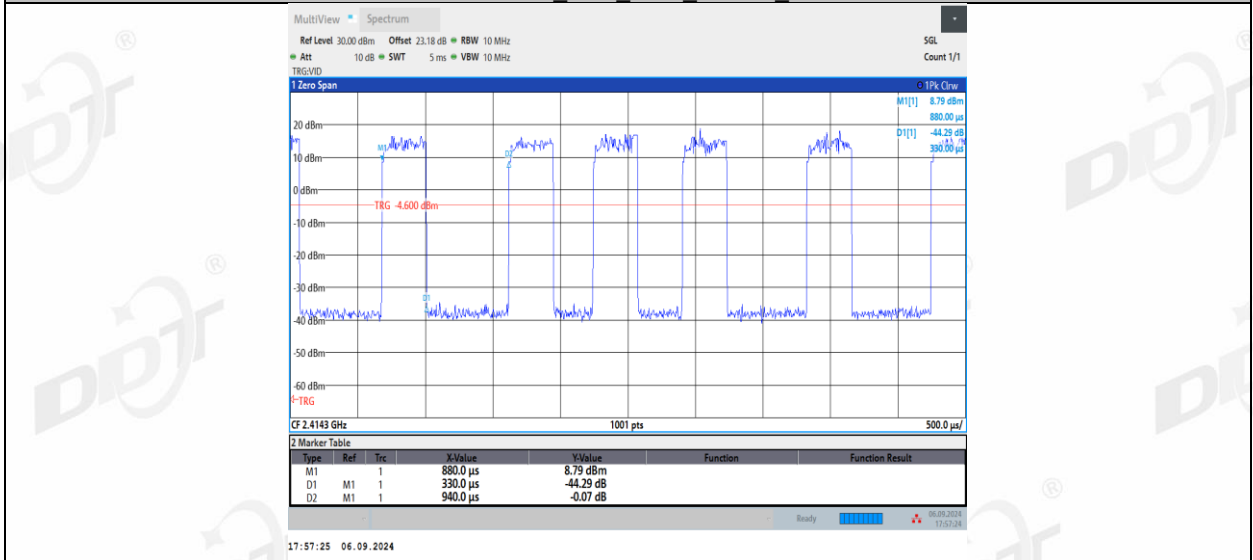


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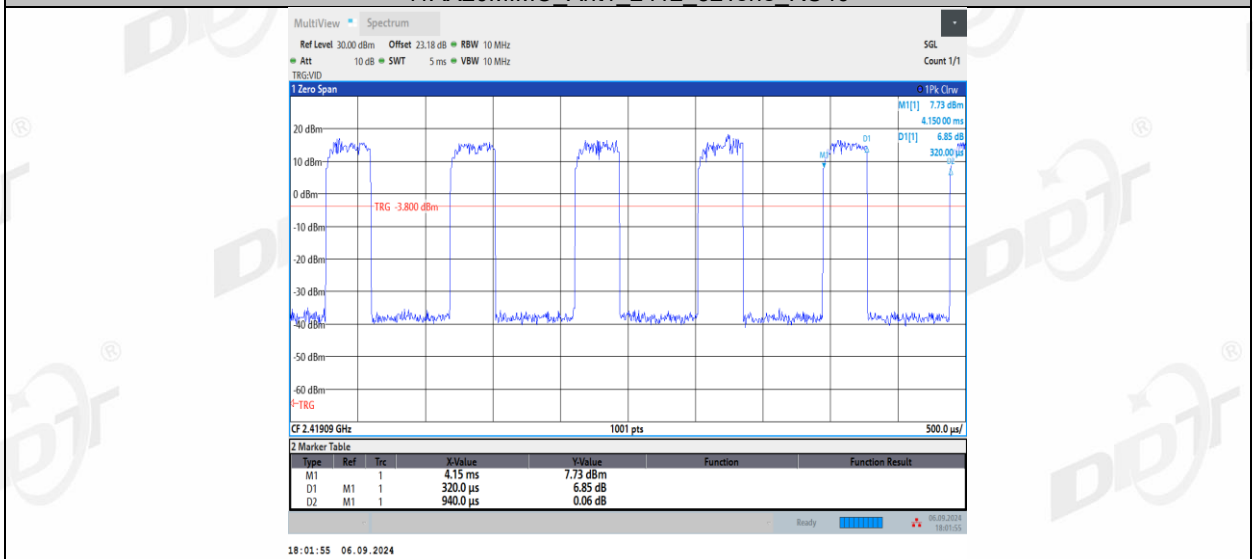




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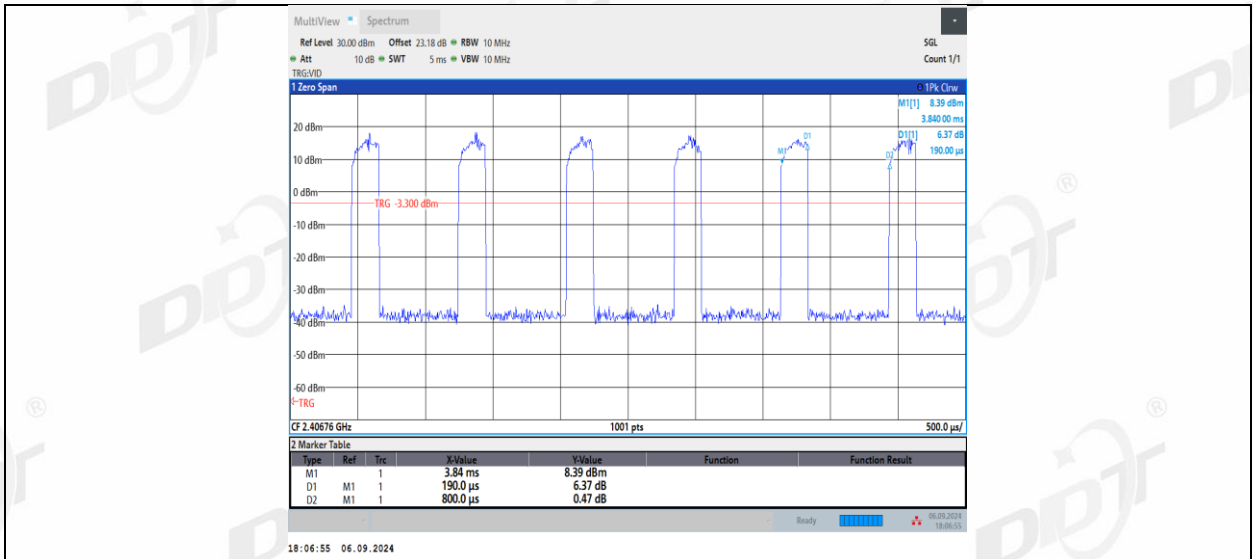


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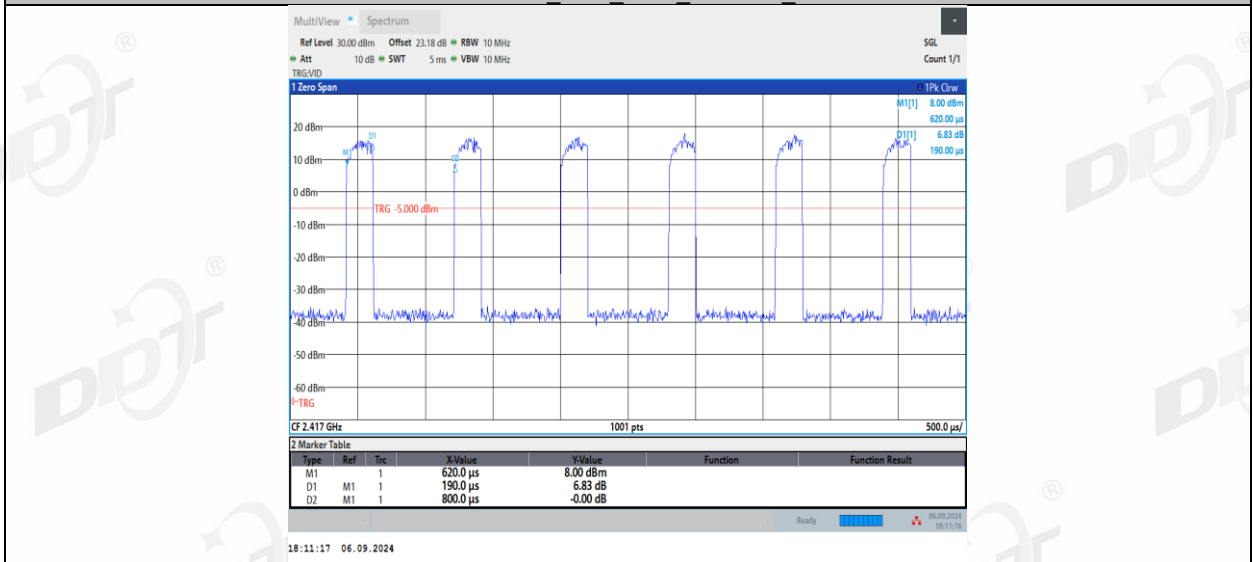


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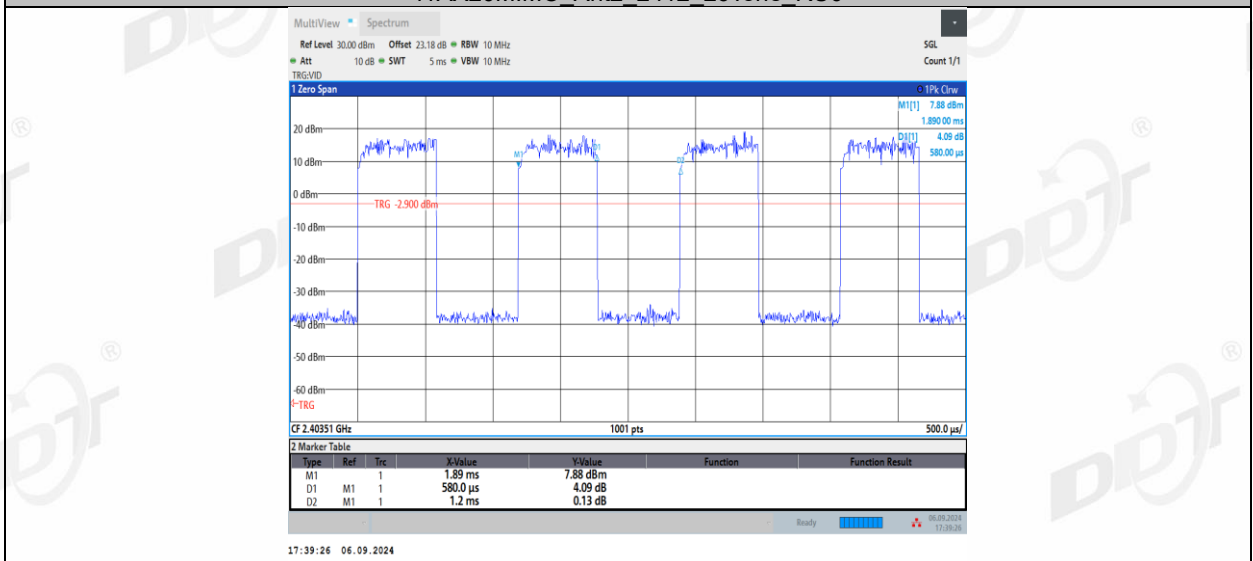




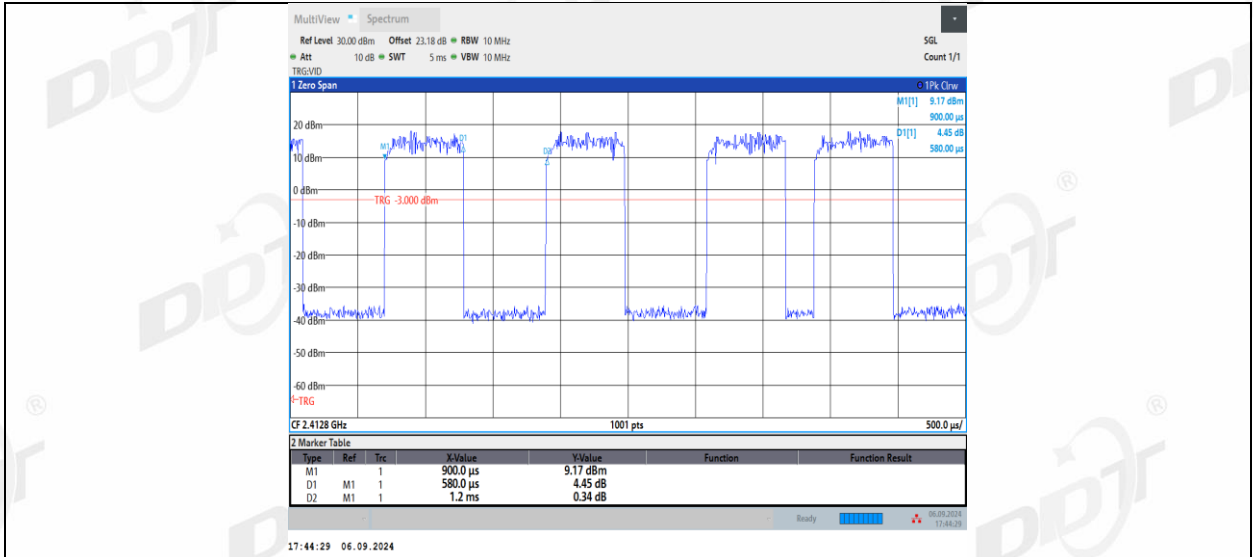
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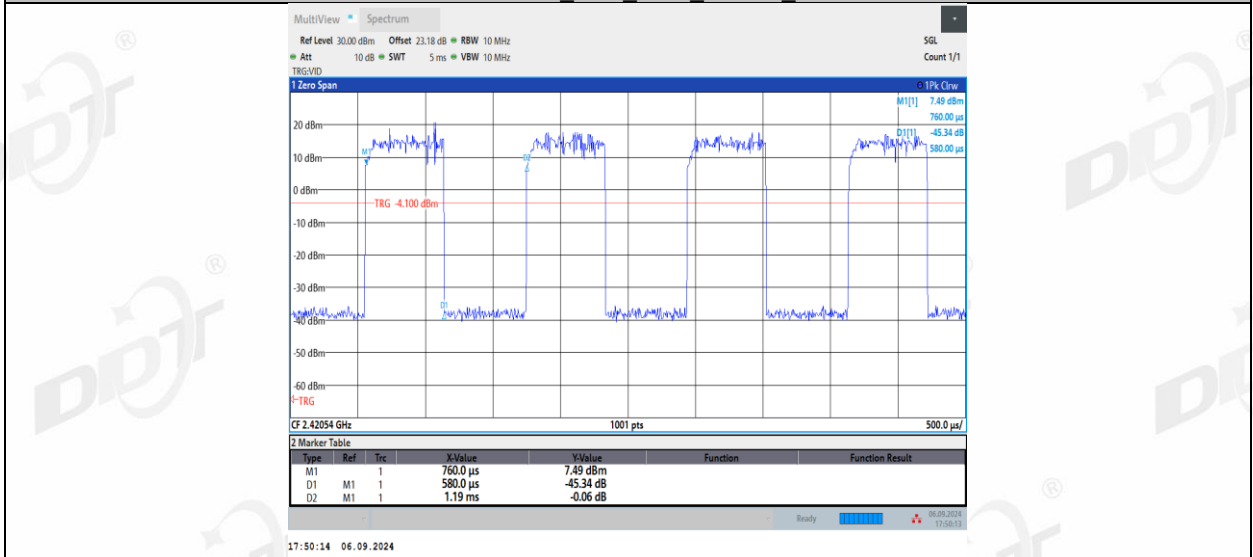
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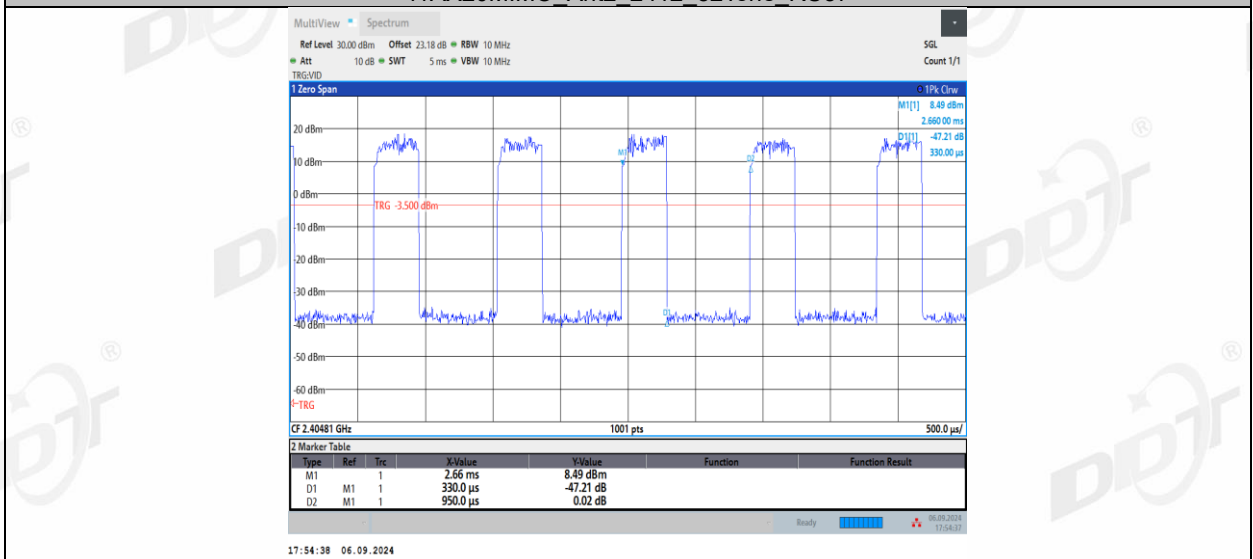
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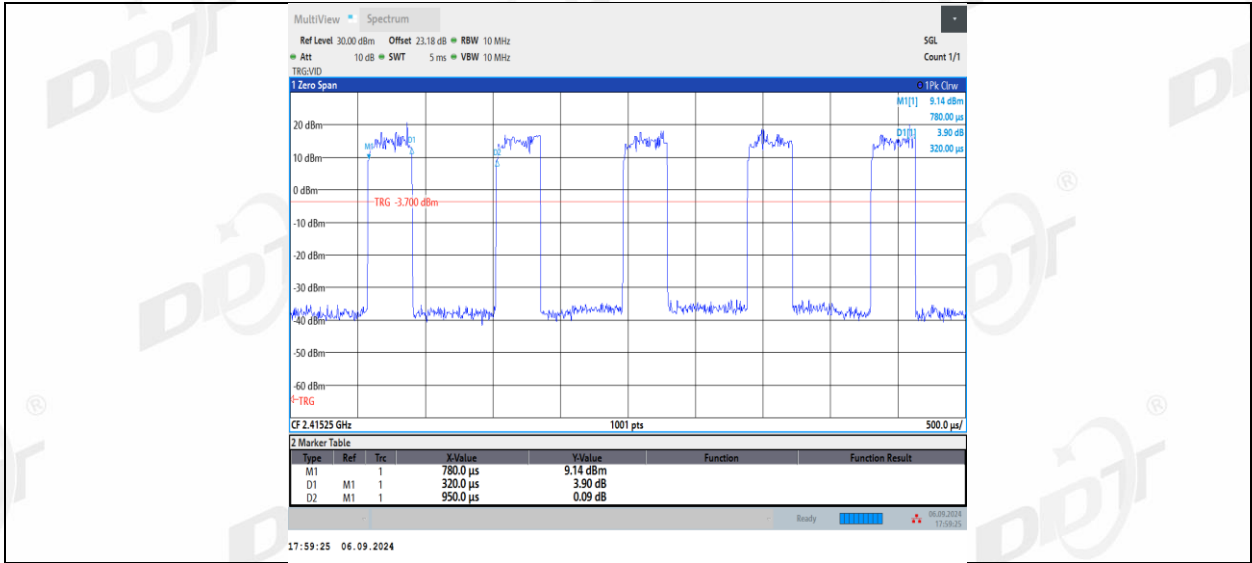
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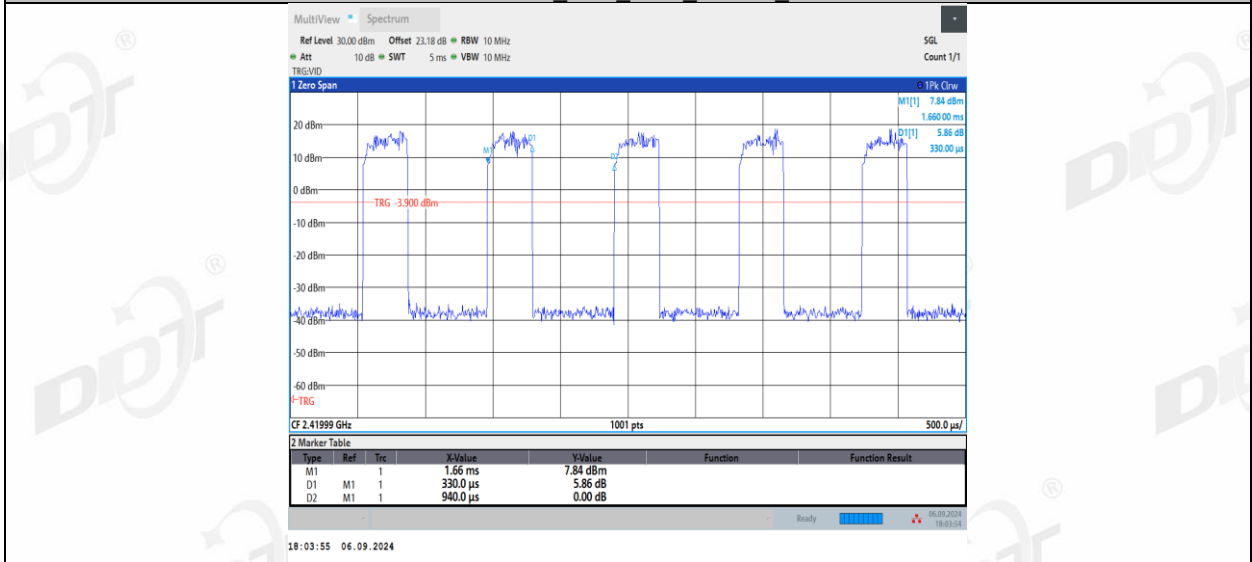
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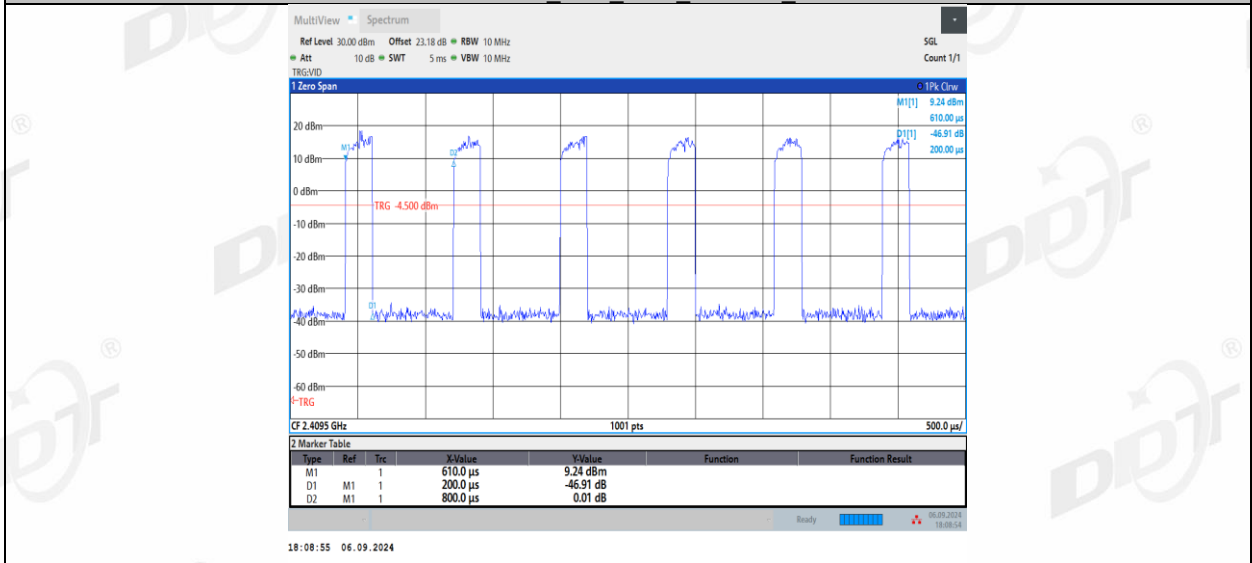
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11AX20MIMO\_Ant2\_2412\_52Tone\_RU40



11AX20MIMO\_Ant2\_2412\_106Tone\_RU53



11AX20MIMO\_Ant2\_2412\_106Tone\_RU54