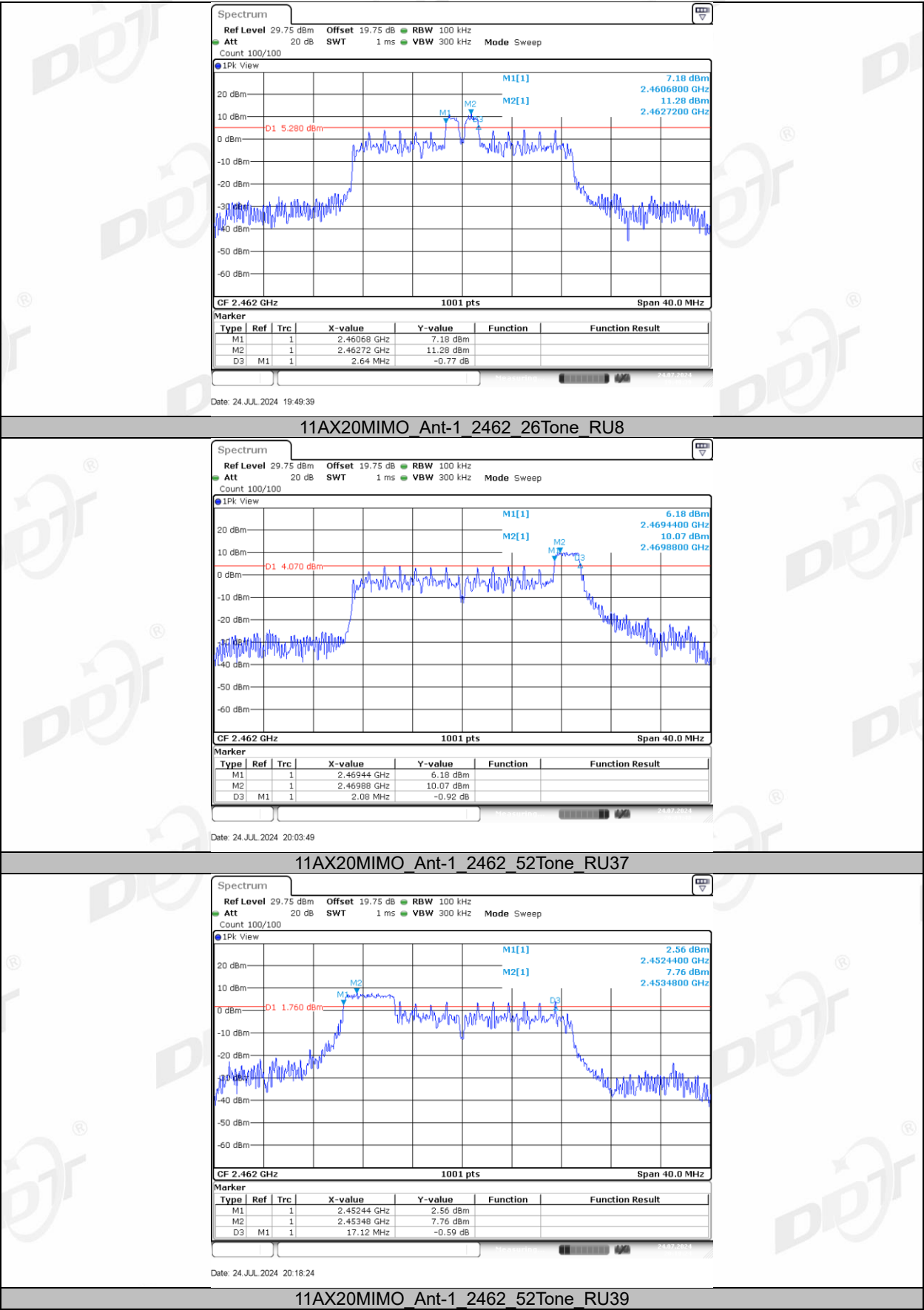
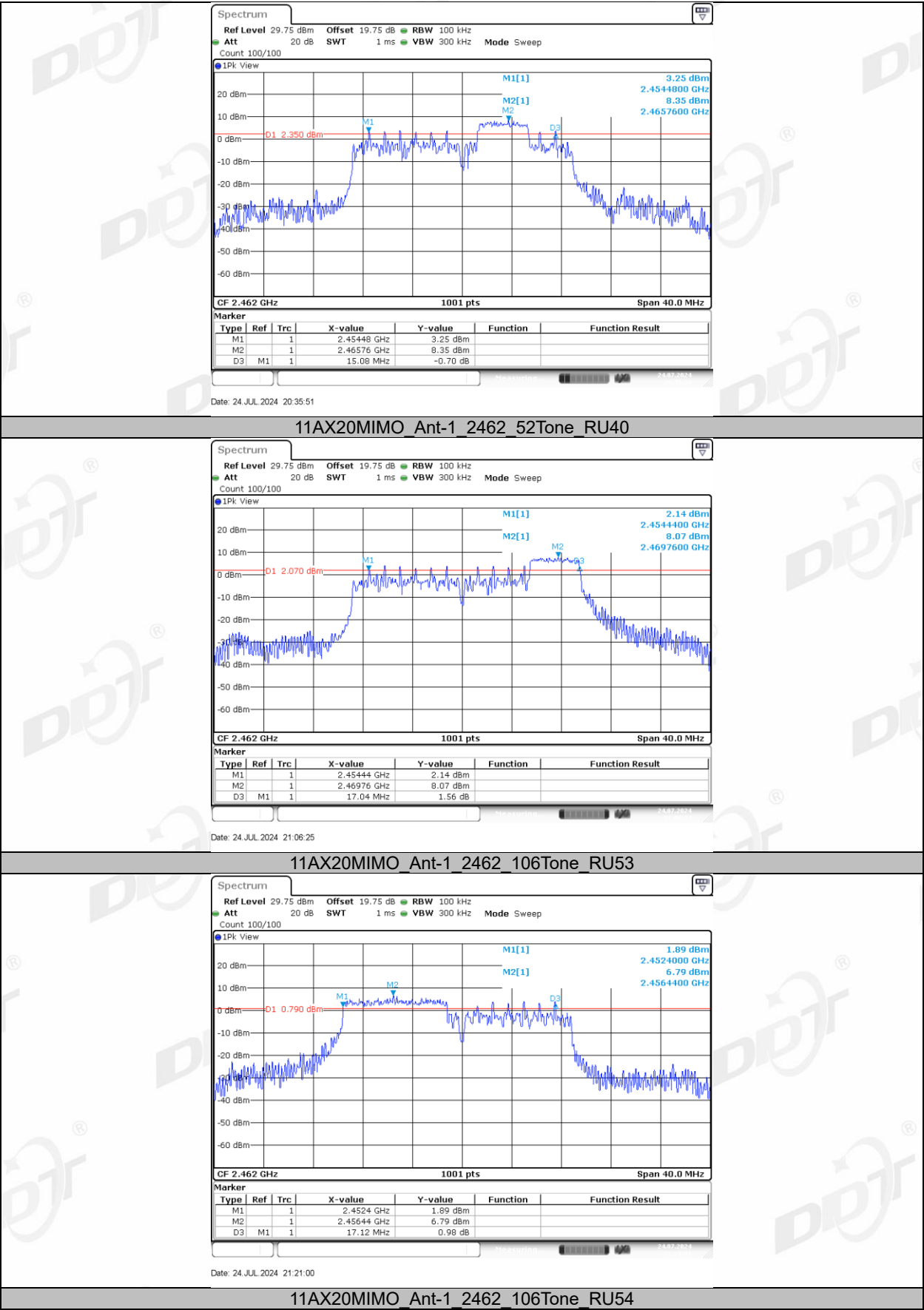
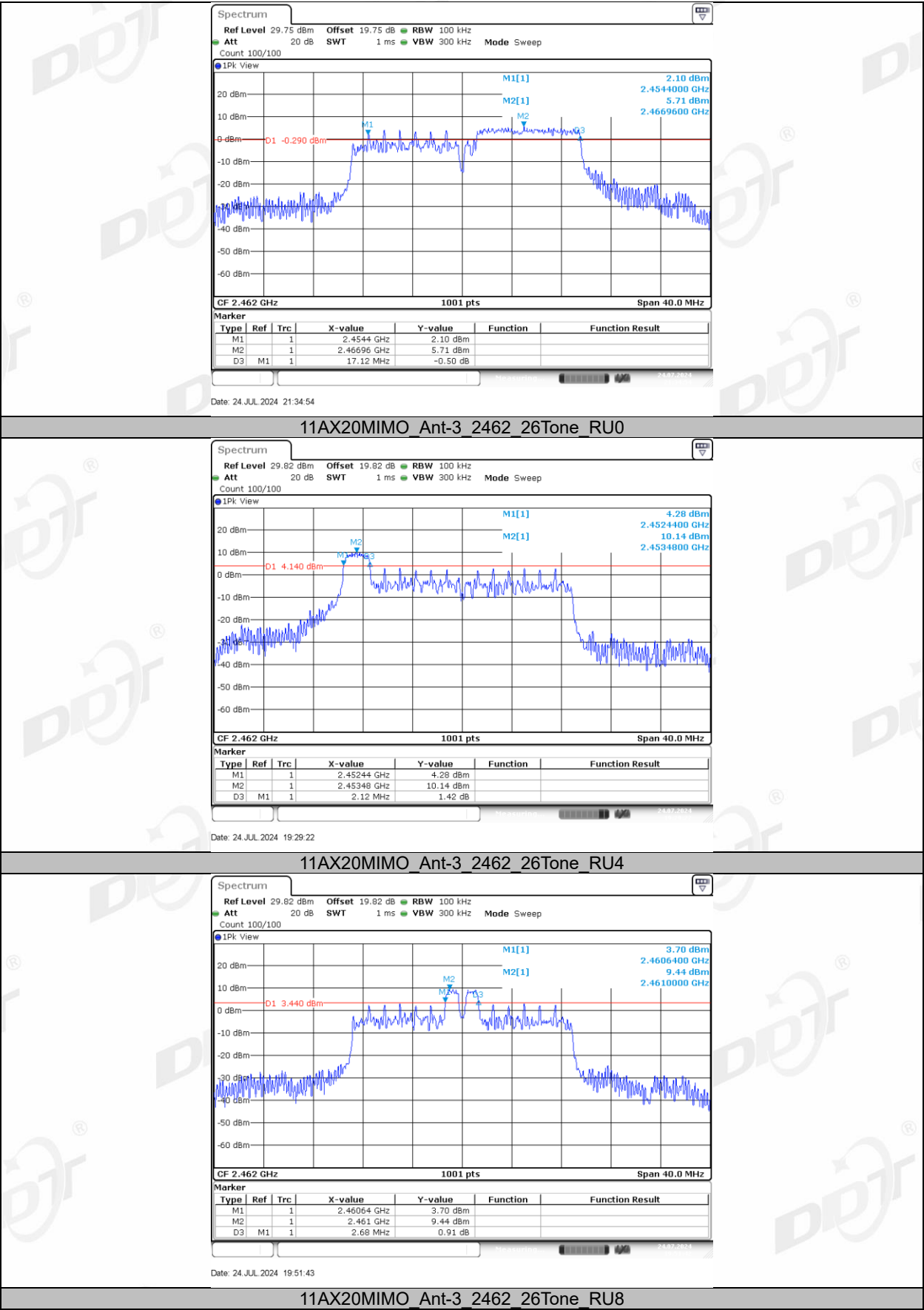
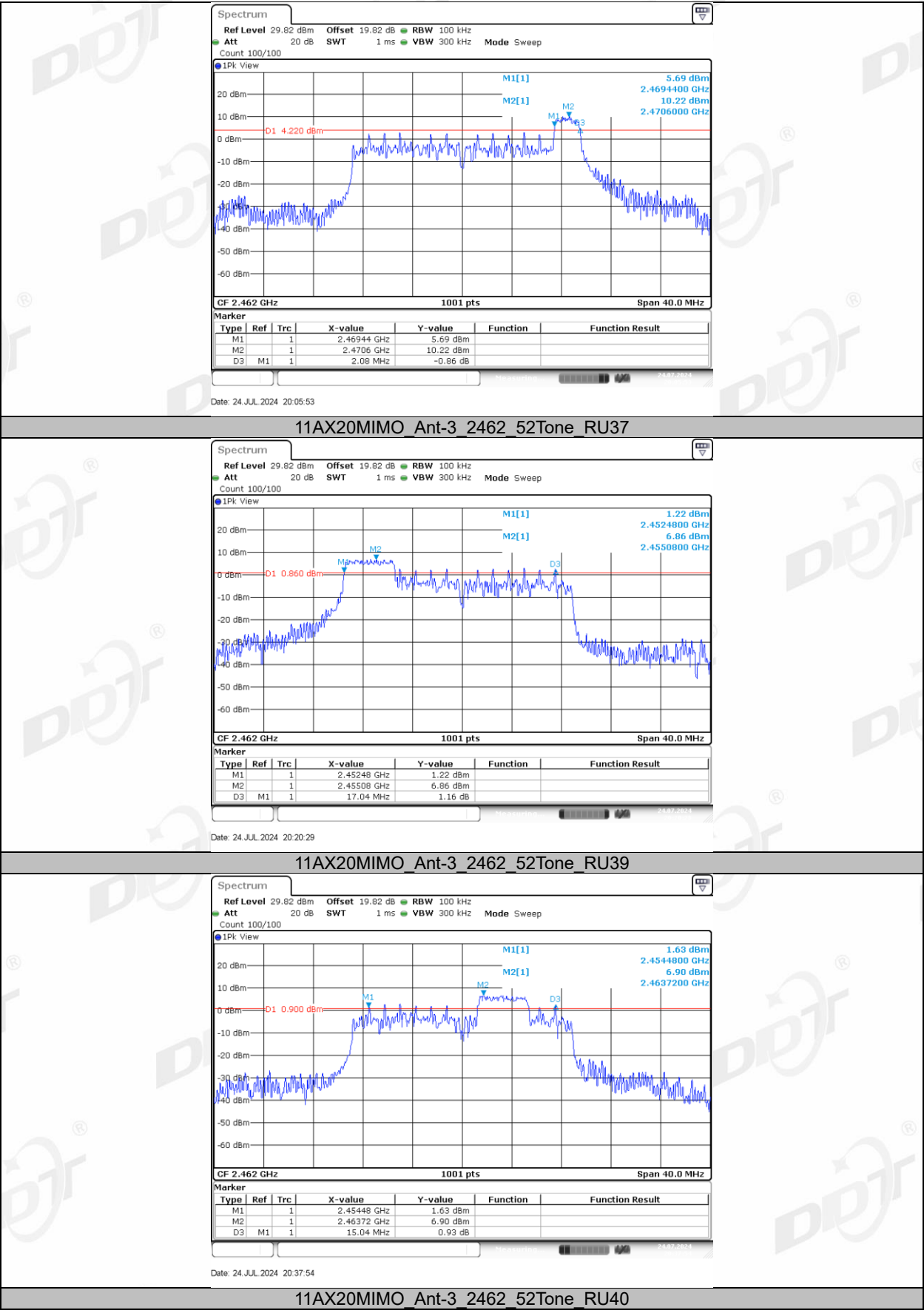
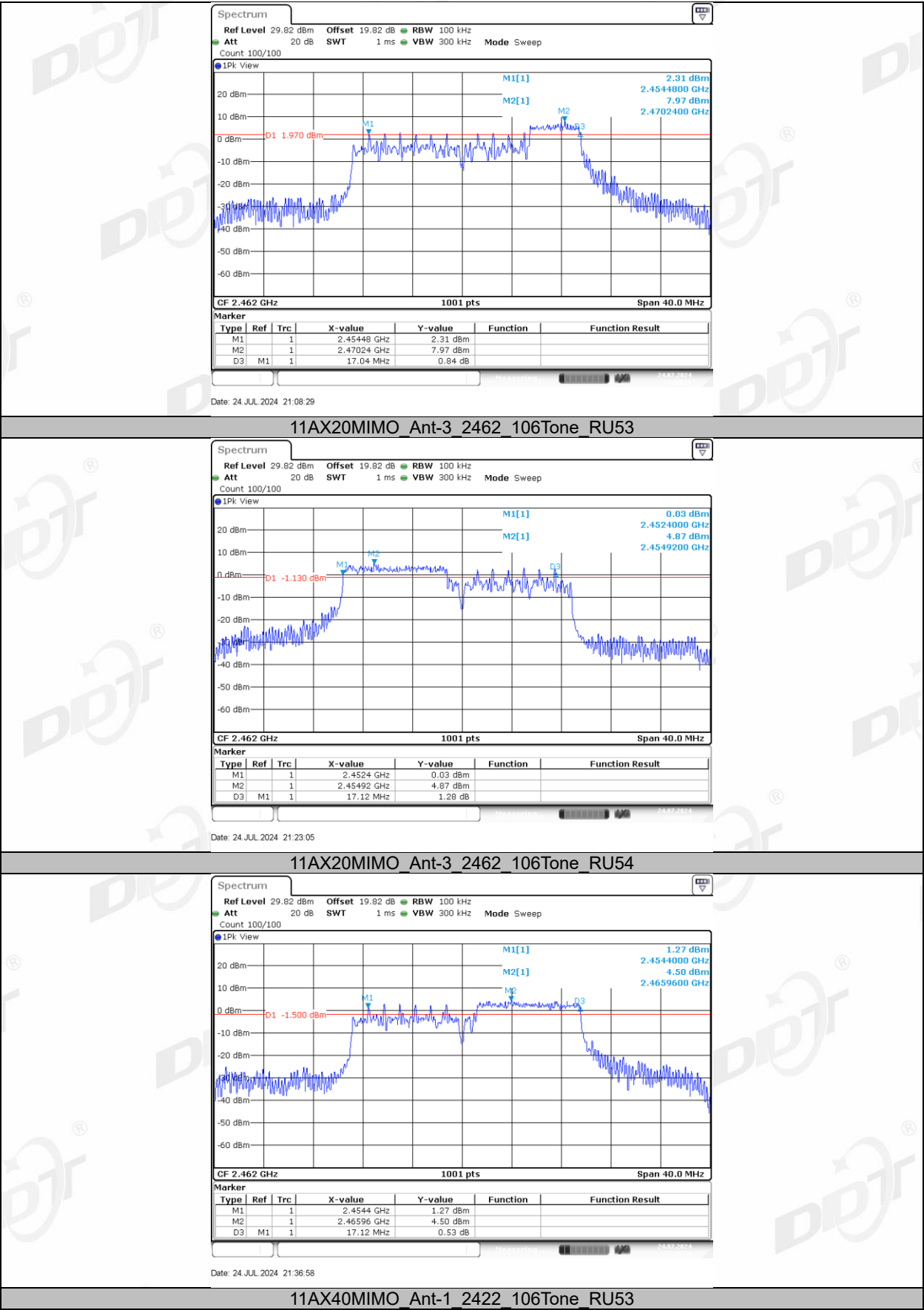


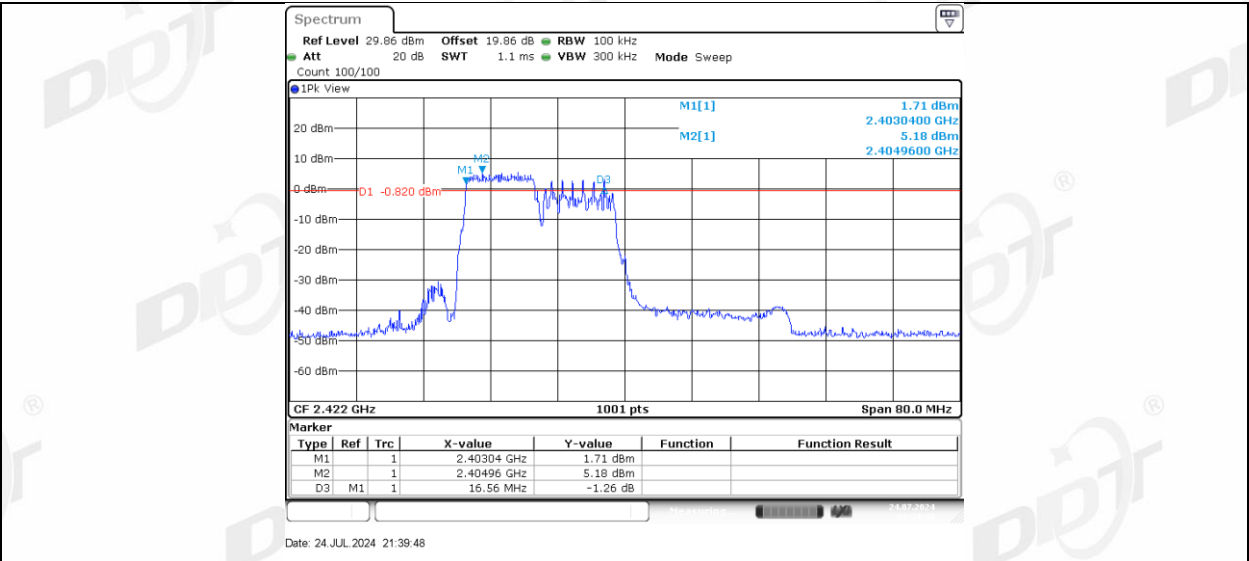




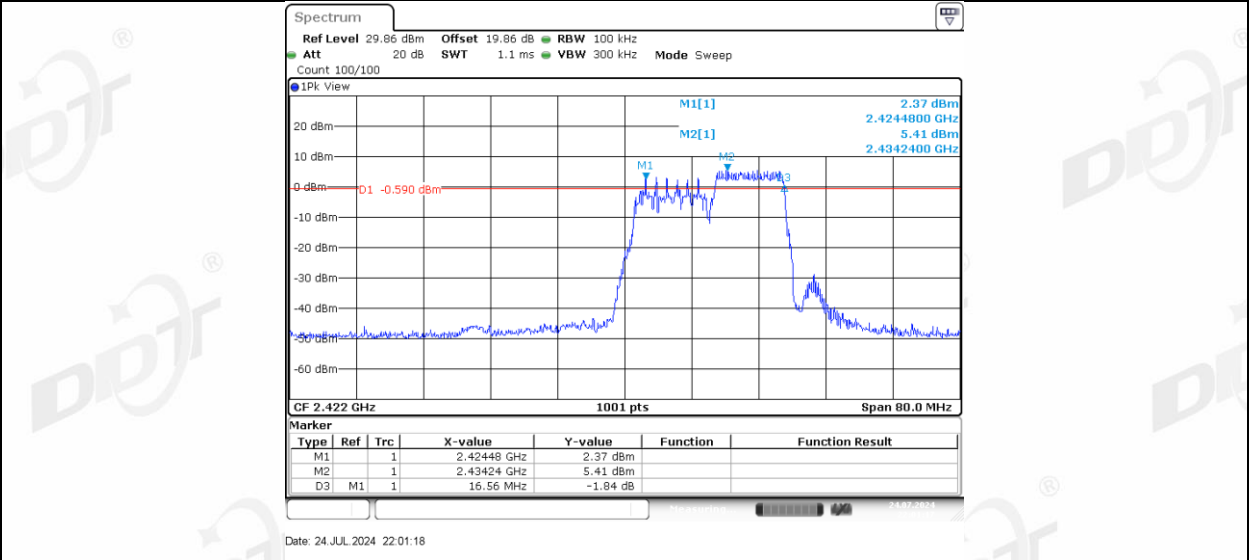




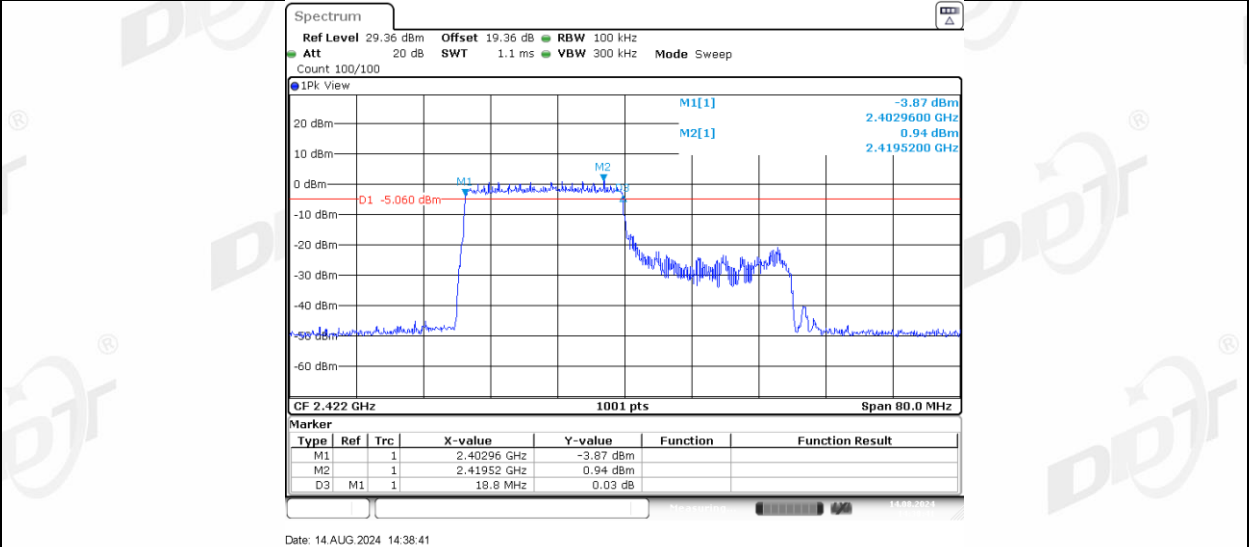




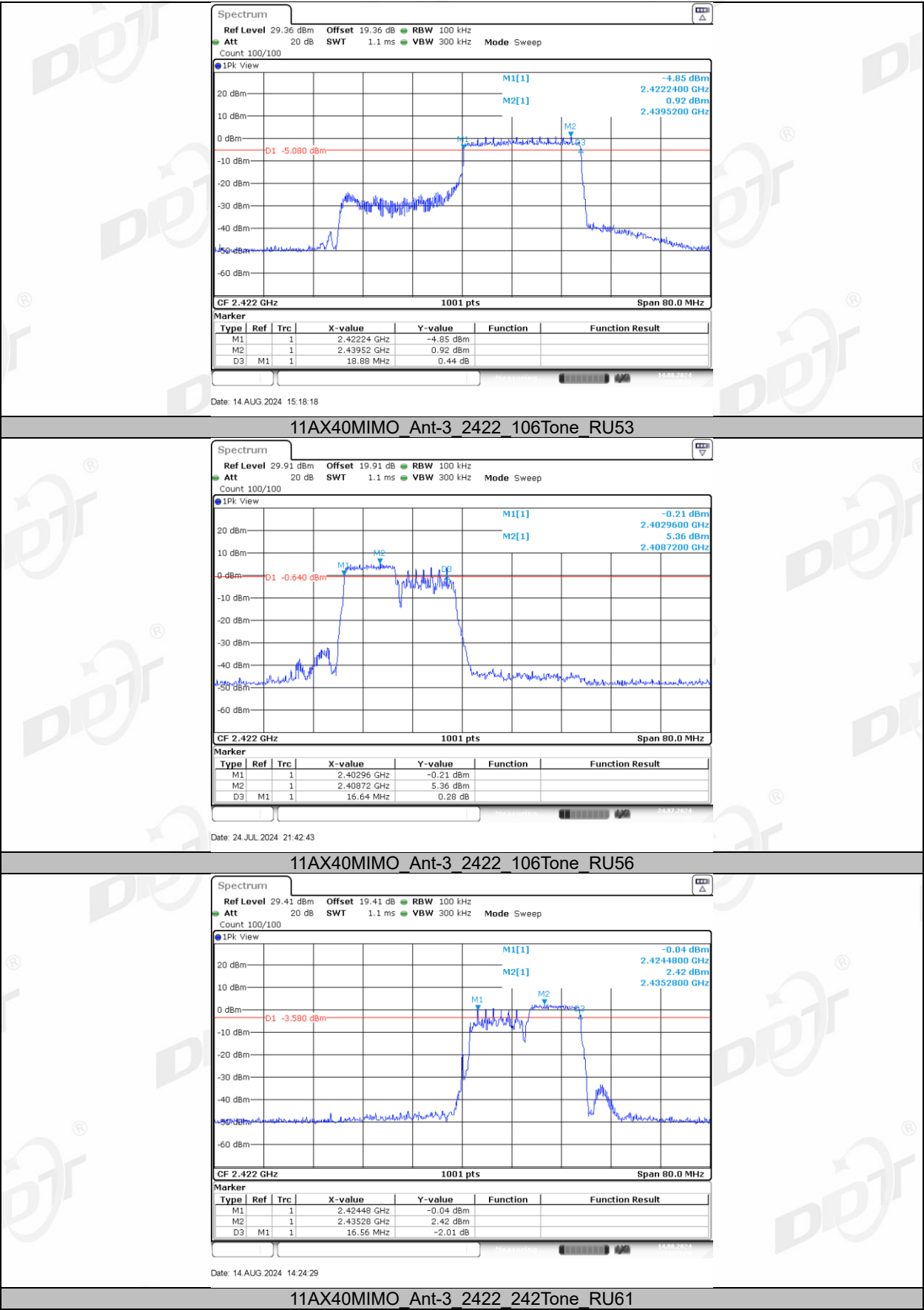
11AX40MIMO_Ant-1_2422_106Tone_RU56

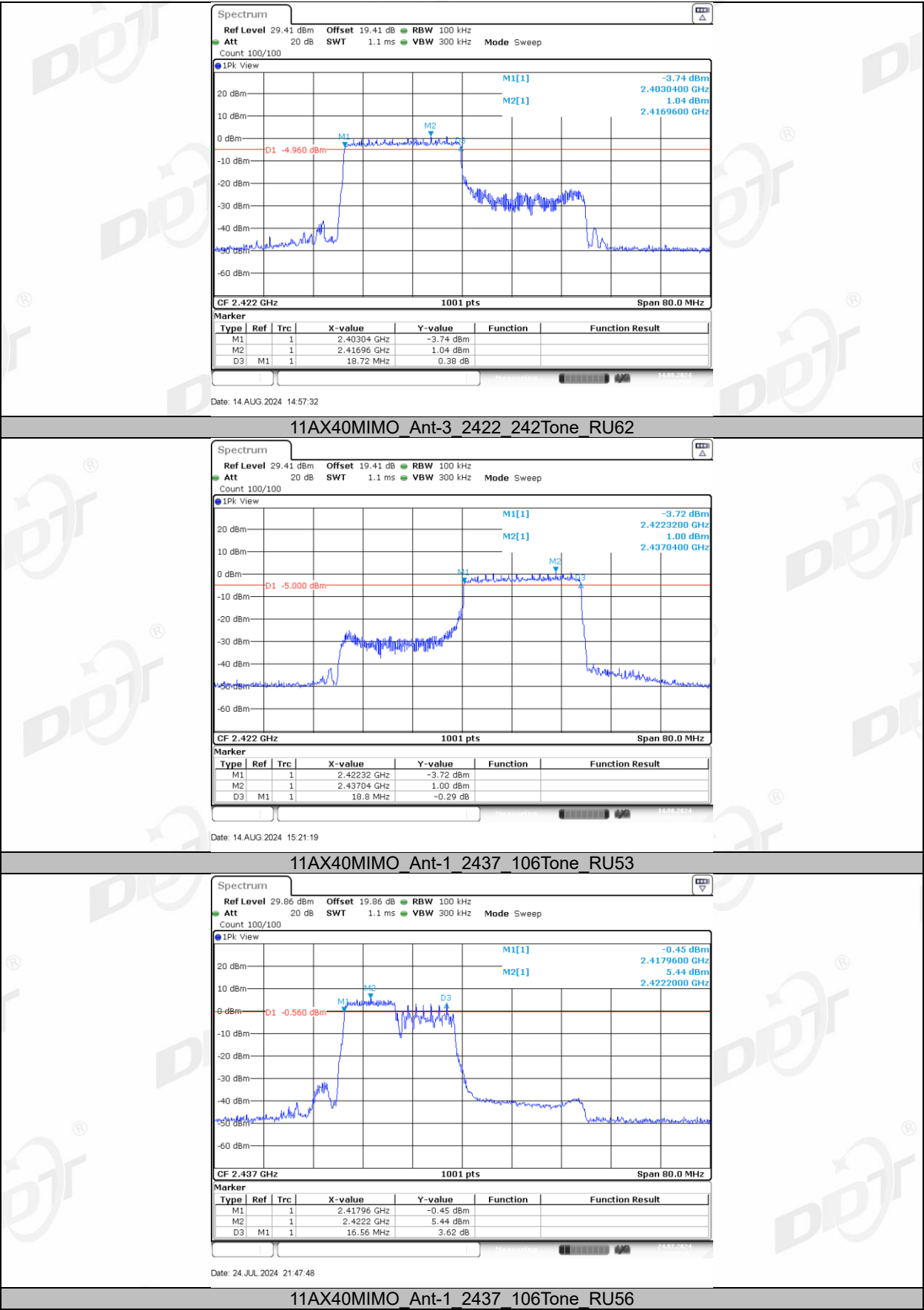


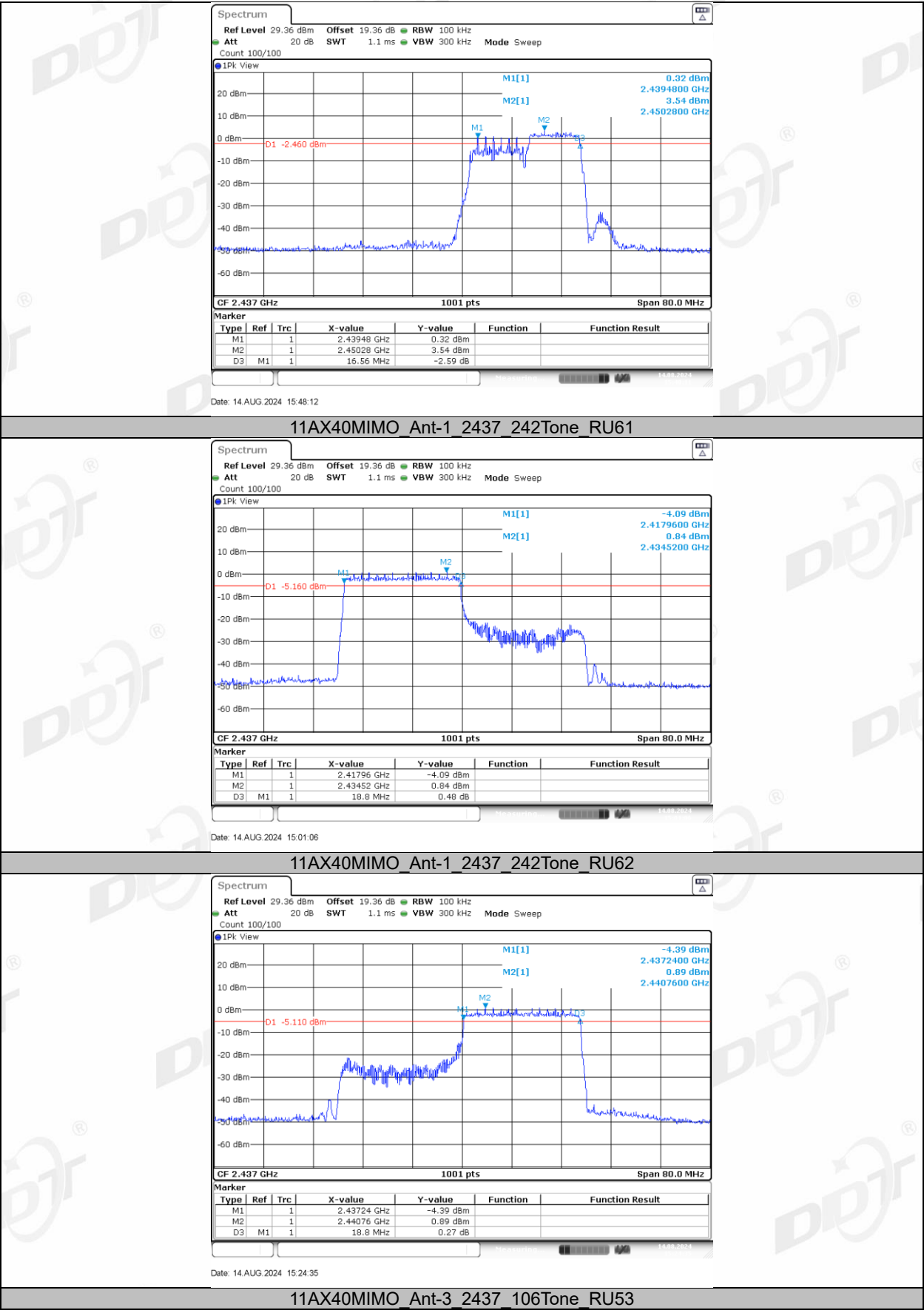
11AX40MIMO_Ant-1_2422_242Tone_RU61

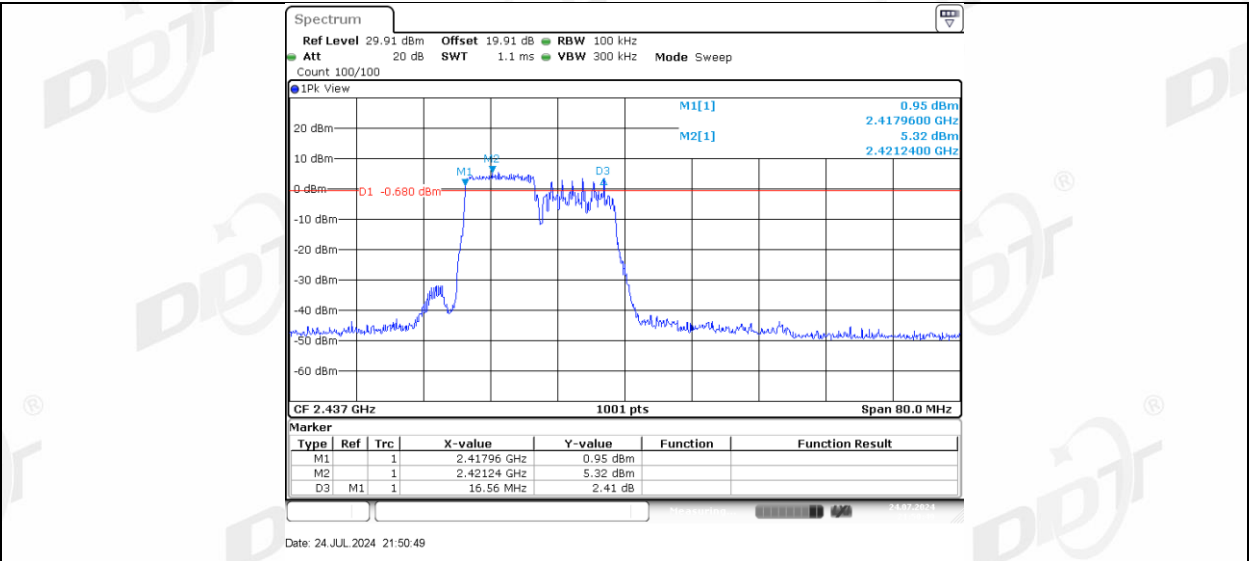


11AX40MIMO_Ant-1_2422_242Tone_RU62

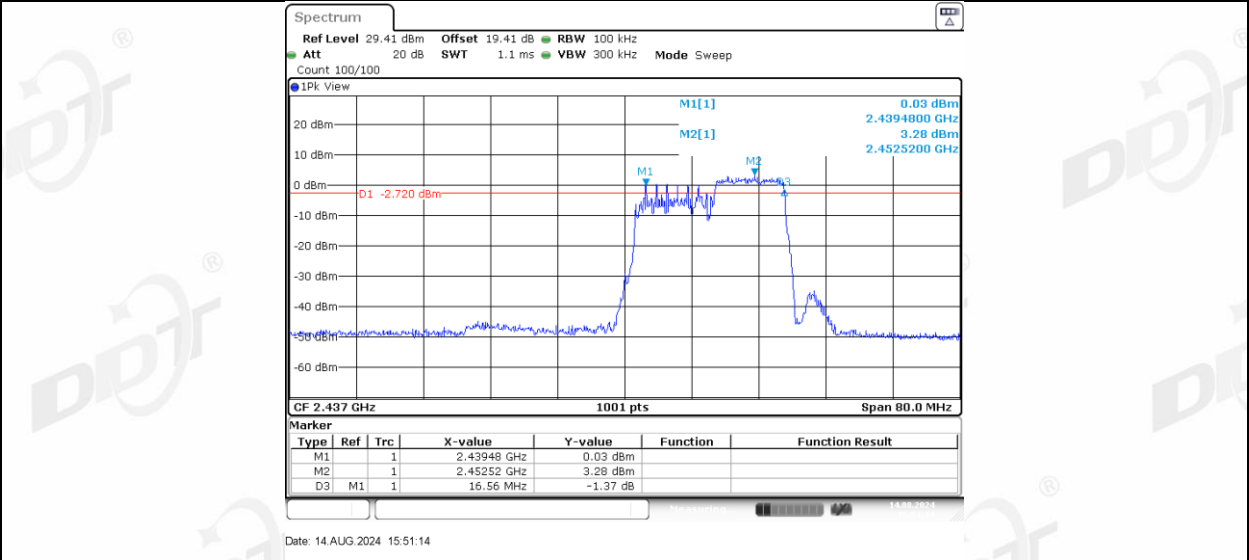




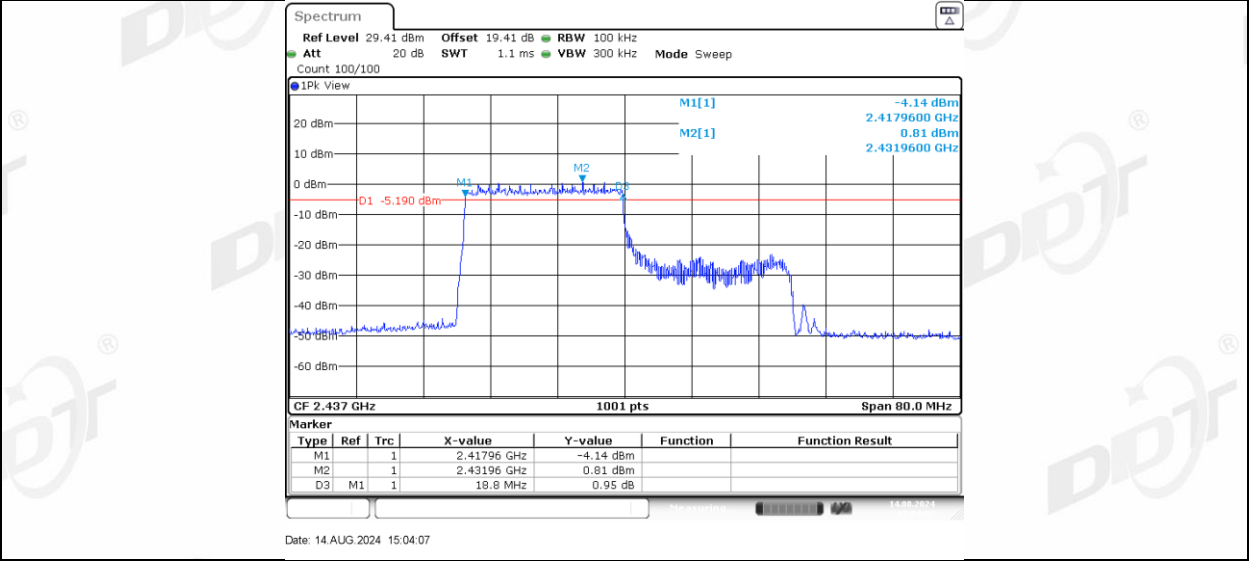




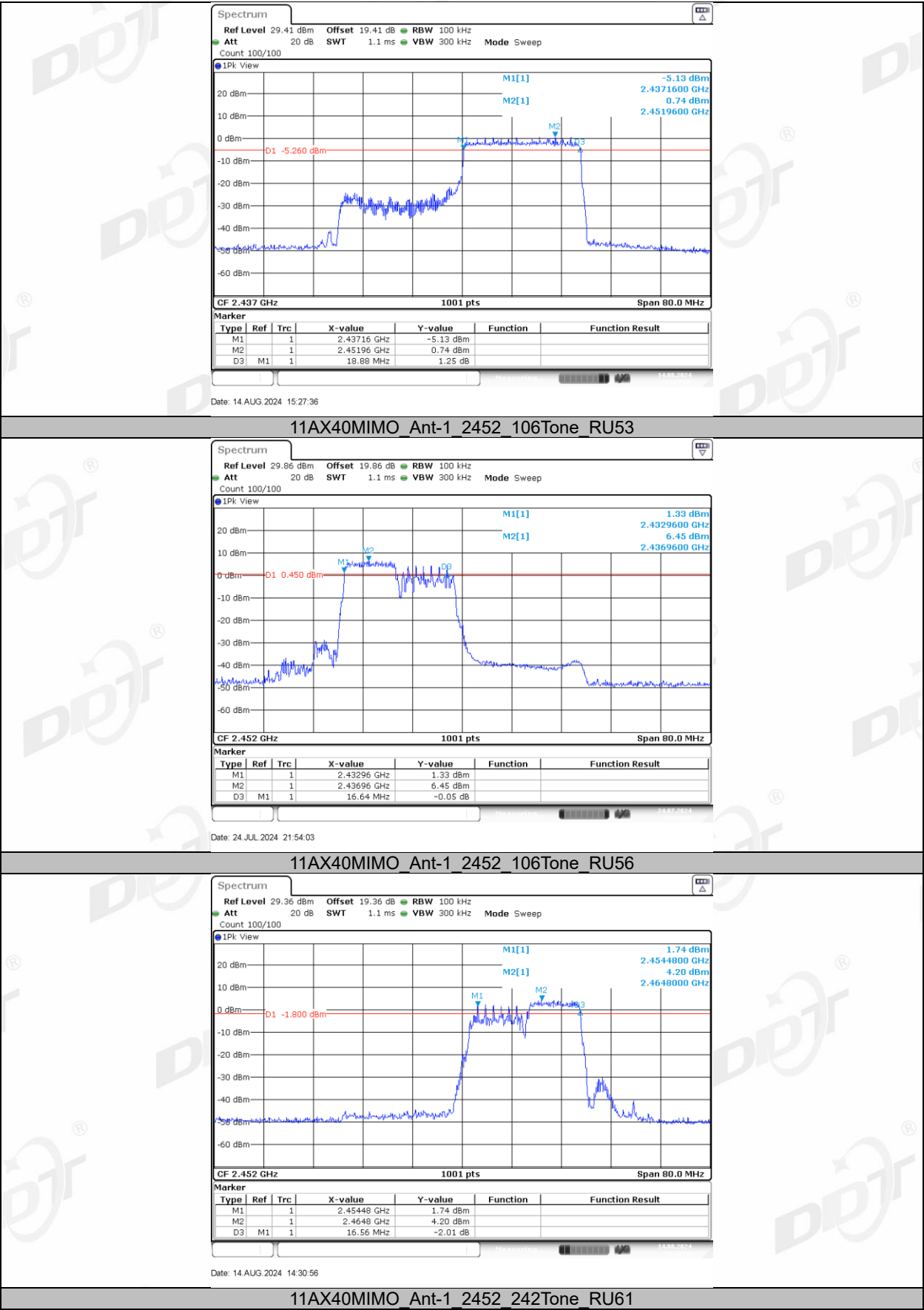
11AX40MIMO_Ant-3_2437_106Tone_RU56

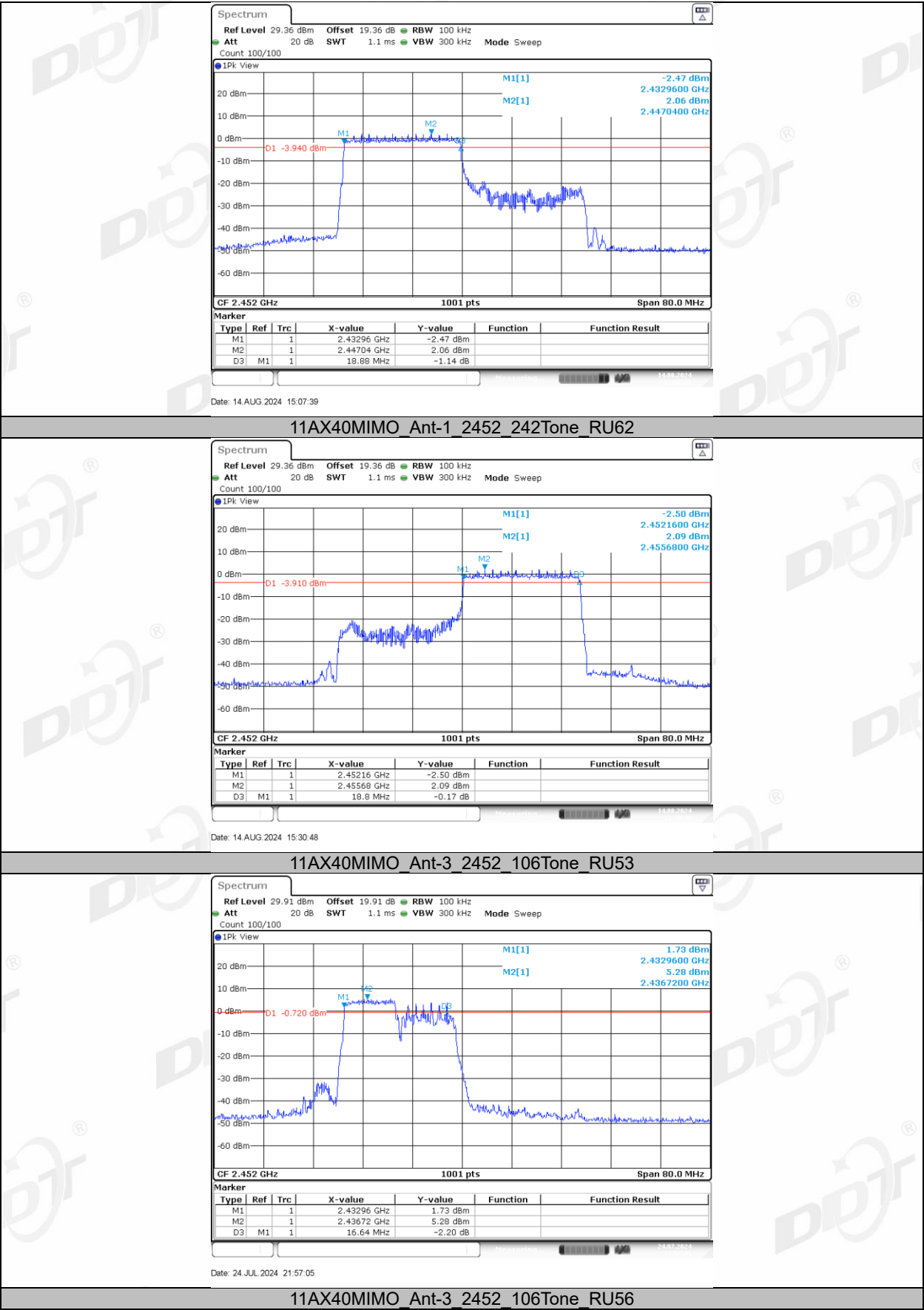


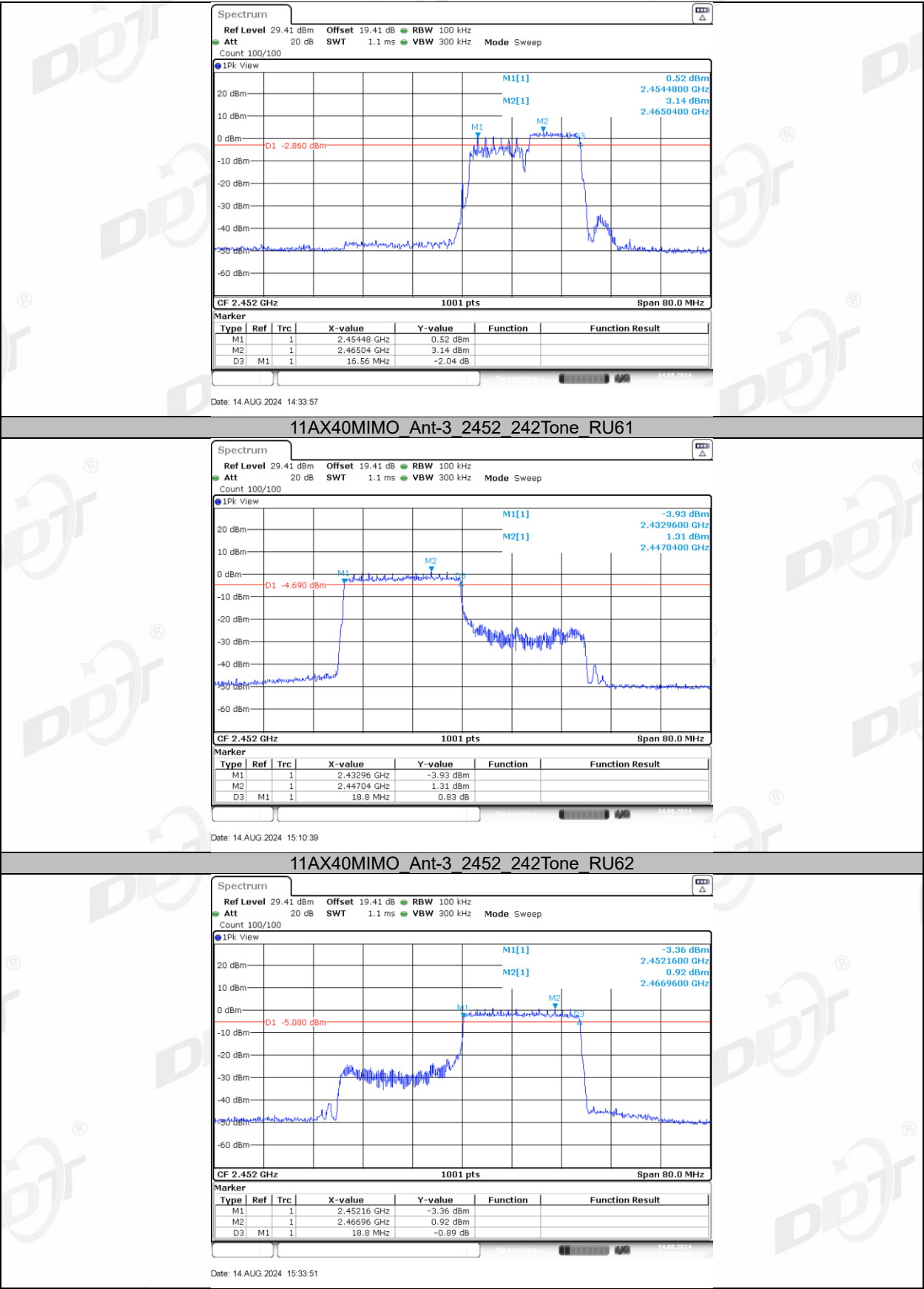
11AX40MIMO_Ant-3_2437_242Tone_RU61



11AX40MIMO_Ant-3_2437_242Tone_RU62

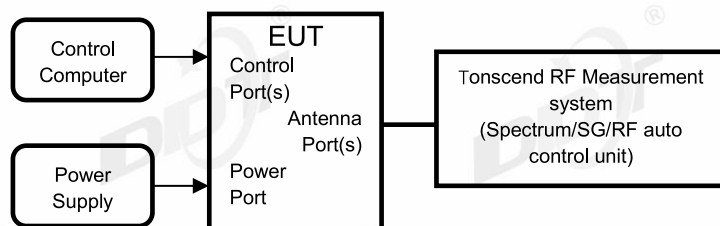






5. 99% Bandwidth

5.1. Block diagram of test setup



5.2. Limits

Just for Report.

5.3. Test procedure

- (1) The test according to ANSI C63.10-2013 clause 6.9.3.
- (2) Connect EUT's antenna output to spectrum analyzer by RF cable, the path loss was compensated to the results
- (3) Set the EUT as maximum power setting and enable the EUT transmit continuously
- (4) Use the following spectrum analyzer settings for the 99% Bandwidth:

RBW:	1% to 5% of the OBW
VBW:	approximately three times RBW
Span:	between 1.5 times and 5.0 times the OBW
Detector Mode:	peak
Sweep time:	auto
Trace mode	max hold

Allow the trace to stabilize, measure the 99% bandwidth of signal, and record the results in the report.

5.4. Test result

Test Engineer:	Zhongyao	Test Site:	RF Measurement System 3#
Ambient Condition:	24.5℃,39.8%RH	Test Date:	2024.07.19-2024.08.21
Test Power Supply:	DC 3.3V	Sample Number:	S24052405-002

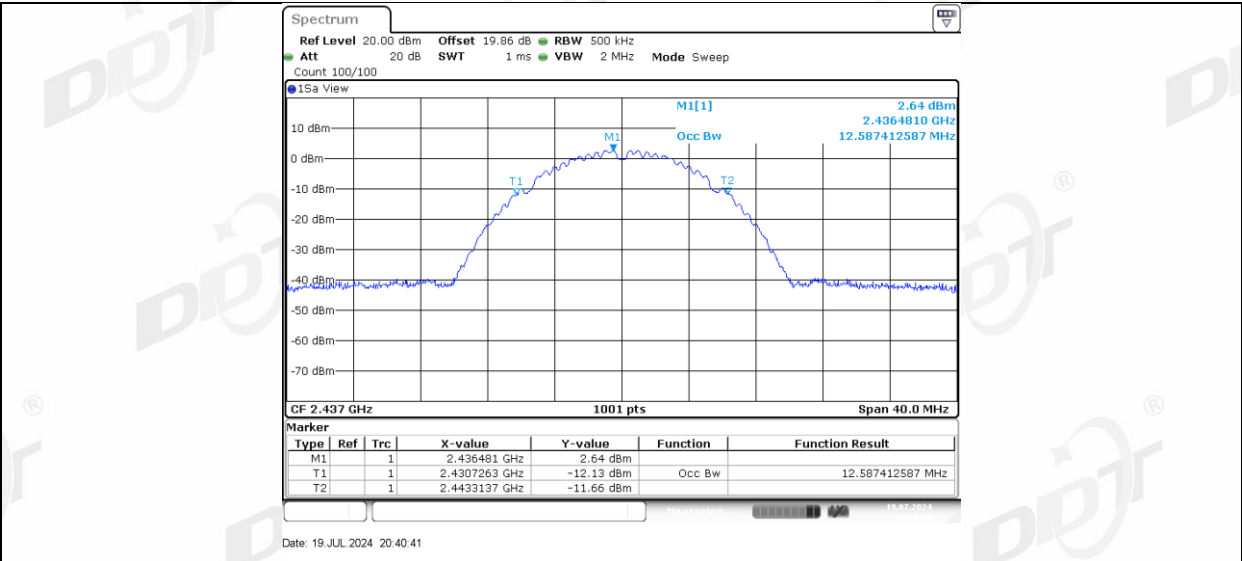
Test Mode	Antenna	Channel Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B-CDD	Ant-1	2412	12.627	2405.6863	2418.3137	---	---
	Ant-3	2412	12.587	2405.7263	2418.3137	---	---
	Ant-1	2437	12.587	2430.7263	2443.3137	---	---
	Ant-3	2437	12.388	2430.8062	2443.1938	---	---
	Ant-1	2462	12.507	2455.7263	2468.2338	---	---
	Ant-3	2462	12.388	2455.7662	2468.1538	---	---
11G-CDD	Ant-1	2412	18.741	2402.5694	2421.3107	---	---
	Ant-3	2412	17.782	2403.2088	2420.9910	---	---
	Ant-1	2437	18.701	2427.6094	2446.3107	---	---
	Ant-3	2437	17.822	2428.0490	2445.8711	---	---
	Ant-1	2462	18.781	2452.4895	2471.2707	---	---
	Ant-3	2462	17.822	2453.0090	2470.8312	---	---
11N20MI MO	Ant-1	2412	19.58	2402.2098	2421.7902	---	---
	Ant-3	2412	18.621	2402.7293	2421.3506	---	---
	Ant-1	2437	19.5	2427.2498	2446.7502	---	---
	Ant-3	2437	18.581	2427.6893	2446.2707	---	---
	Ant-1	2462	19.58	2452.1299	2471.7103	---	---
	Ant-3	2462	18.661	2452.6094	2471.2707	---	---
11N40MI MO	Ant-1	2422	36.124	2404.0180	2440.1419	---	---
	Ant-3	2422	36.284	2403.9381	2440.2218	---	---
	Ant-1	2437	36.284	2418.8581	2455.1419	---	---
	Ant-3	2437	36.284	2418.8581	2455.1419	---	---
	Ant-1	2452	36.204	2433.9381	2470.1419	---	---
	Ant-3	2452	36.284	2433.7782	2470.0619	---	---
11AX20M IMO	Ant-1	2412	19.341	2402.3696	2421.7103	---	---
	Ant-3	2412	19.261	2402.4096	2421.6703	---	---
	Ant-1	2437	19.381	2427.3297	2446.7103	---	---
	Ant-3	2437	19.301	2427.3297	2446.6304	---	---
	Ant-1	2462	19.421	2452.2897	2471.7103	---	---
	Ant-3	2462	19.301	2452.3297	2471.6304	---	---
11AX40M IMO	Ant-1	2422	37.962	2403.0589	2441.0210	---	---
	Ant-3	2422	37.802	2403.1389	2440.9411	---	---
	Ant-1	2437	37.802	2418.1389	2455.9411	---	---
	Ant-3	2437	37.722	2418.1389	2455.8611	---	---
	Ant-1	2452	37.722	2433.1389	2470.8611	---	---
	Ant-3	2452	37.722	2433.1389	2470.8611	---	---

Test Mode	Antenna	Frequency [MHz]	Ru Size	Ru Index	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11AX20MIMO	Ant-1	2412	26Tone	RU0	19.301	2401.2507	2420.5514	---	---
				RU4	17.143	2403.4086	2420.5514	---	---
				RU8	19.5	2403.4486	2422.9491	---	---
			52Tone	RU37	19.021	2401.6104	2420.6314	---	---
				RU39	17.223	2403.4086	2420.6314	---	---
				RU40	19.141	2403.4086	2422.5495	---	---
			106Tone	RU53	18.781	2401.8501	2420.6314	---	---
				RU54	19.141	2403.3287	2422.4695	---	---
				RU0	19.261	2401.2907	2420.5514	---	---
	Ant-3	2412	26Tone	RU4	17.143	2403.4086	2420.5514	---	---
				RU8	19.261	2403.4086	2422.6693	---	---
				RU37	18.741	2401.8102	2420.5514	---	---
			52Tone	RU39	17.223	2403.3686	2420.5914	---	---
				RU40	19.101	2403.3686	2422.4695	---	---
				RU53	18.701	2401.8901	2420.5914	---	---
			106Tone	RU54	18.701	2403.3686	2422.0699	---	---
				RU0	19.301	2426.2907	2445.5914	---	---
				RU4	17.183	2428.3686	2445.5514	---	---
	Ant-1	2437	26Tone	RU8	19.5	2428.4086	2447.9091	---	---
				RU37	18.901	2426.6503	2445.5514	---	---
				RU39	17.183	2428.4086	2445.5914	---	---
			52Tone	RU40	19.141	2428.4086	2447.5495	---	---
				RU53	18.901	2426.7702	2445.6713	---	---
				RU54	18.901	2428.3287	2447.2298	---	---
			106Tone	RU0	19.181	2426.3706	2445.5514	---	---
				RU4	17.143	2428.3686	2445.5115	---	---
				RU8	19.301	2428.4086	2447.7093	---	---
	Ant-3	2437	26Tone	RU37	18.781	2426.7303	2445.5115	---	---
				RU39	17.183	2428.3686	2445.5514	---	---
				RU40	19.021	2428.3686	2447.3896	---	---
			52Tone	RU53	18.781	2426.8102	2445.5914	---	---
				RU54	18.741	2428.3287	2447.0699	---	---
				RU0	19.461	2451.1309	2470.5914	---	---
			106Tone	RU4	17.183	2453.4086	2470.5914	---	---
				RU8	19.421	2453.4086	2472.8292	---	---
				RU37	18.901	2451.6503	2470.5514	---	---
	Ant-1	2462	26Tone	RU39	17.183	2453.4486	2470.6314	---	---
				RU40	19.101	2453.3686	2472.4695	---	---
				RU53	18.781	2451.8102	2470.5914	---	---
			52Tone	RU54	18.861	2453.2887	2472.1499	---	---
				RU0	19.221	2451.2907	2470.5115	---	---
				RU4	17.103	2453.4086	2470.5115	---	---
				RU8	19.181	2453.4086	2472.5894	---	---
			106Tone	RU37	18.701	2451.7702	2470.4715	---	---
				RU39	17.223	2453.3686	2470.5914	---	---
				RU40	19.181	2453.3287	2472.5095	---	---
11AX40MIMO	Ant-1	2422	106Tone	RU53	18.142	2402.6593	2420.8012	---	---
				RU56	18.222	2423.1189	2441.3407	---	---
				RU61	27.732	2402.7393	2430.4715	---	---
			242Tone	RU62	22.537	2418.7233	2441.2607	---	---
				RU53	17.982	2402.6593	2420.6414	---	---
				RU56	17.982	2423.3586	2441.3407	---	---
	Ant-3	2422	106Tone	RU61	29.57	2402.8192	2432.3896	---	---
				RU62	20.939	2420.3217	2441.2607	---	---
				RU53	18.142	2417.6593	2435.8012	---	---
			242Tone	RU56	17.902	2438.4386	2456.3407	---	---
				RU61	27.013	2417.8192	2444.8322	---	---
				RU62	26.294	2429.8871	2456.1808	---	---

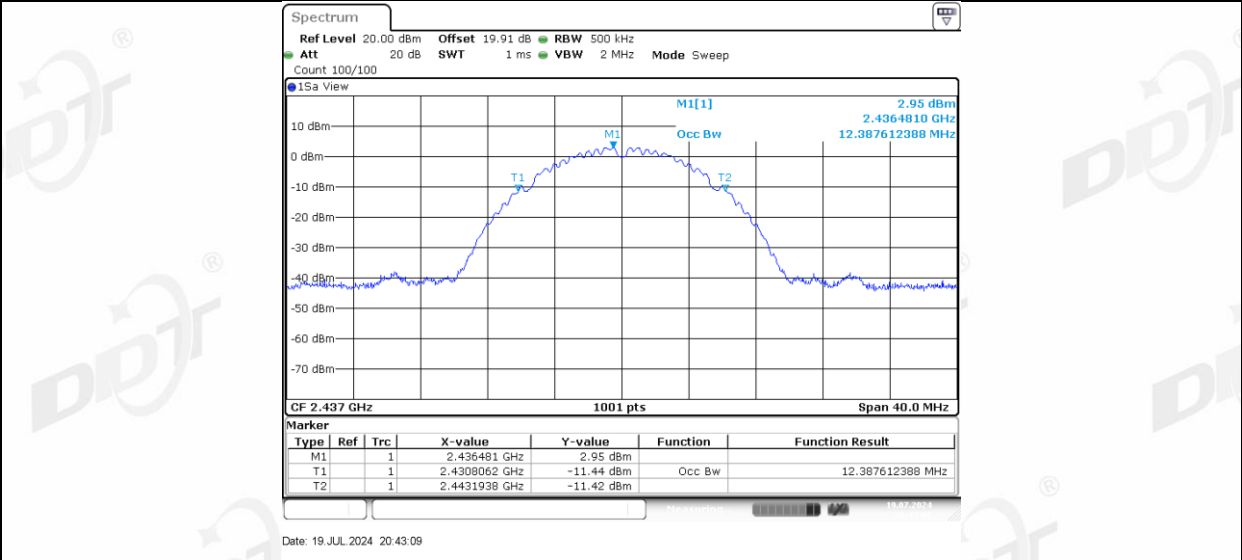
	Ant-3	2437	106Tone	RU53	18.062	2417.5794	2435.6414	---	---
				RU56	17.902	2438.5185	2456.4206	---	---
			242Tone	RU61	26.294	2417.7393	2444.0330	---	---
				RU62	22.138	2434.0430	2456.1808	---	---
	Ant-1	2452	106Tone	RU53	18.222	2432.6593	2450.8811	---	---
				RU56	18.382	2453.0390	2471.4206	---	---
			242Tone	RU61	27.333	2432.7393	2460.0719	---	---
				RU62	25.654	2445.4466	2471.1009	---	---
	Ant-3	2452	106Tone	RU53	18.062	2432.5794	2450.6414	---	---
				RU56	18.142	2453.1988	2471.3407	---	---
			242Tone	RU61	24.855	2432.8192	2457.6743	---	---
				RU62	22.138	2448.9630	2471.1009	---	---

5.5. Test graphs

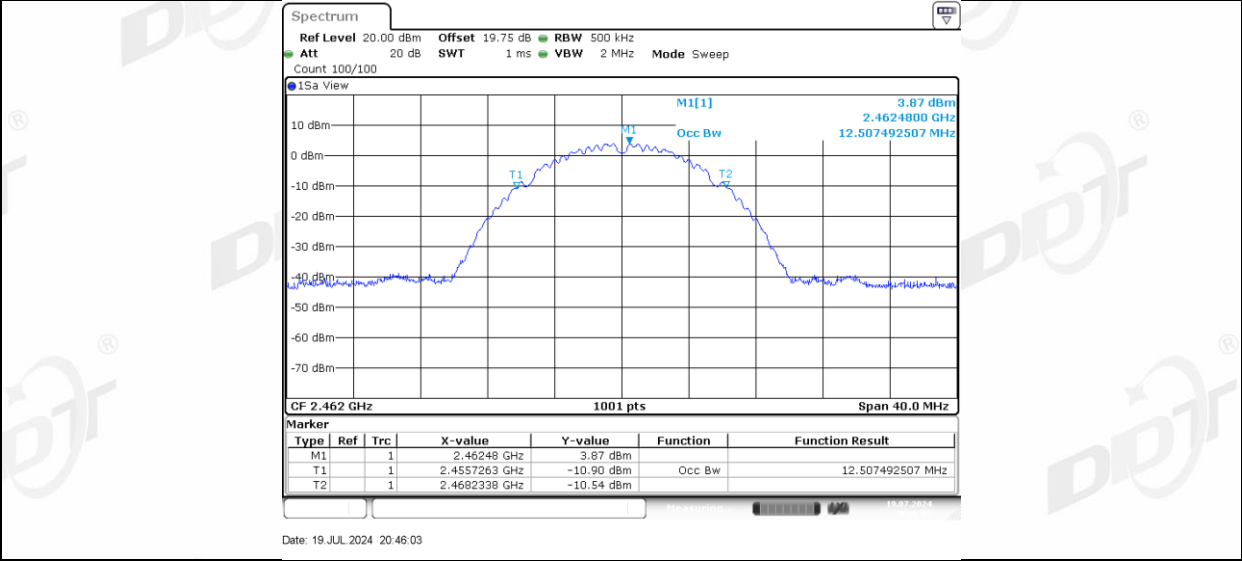




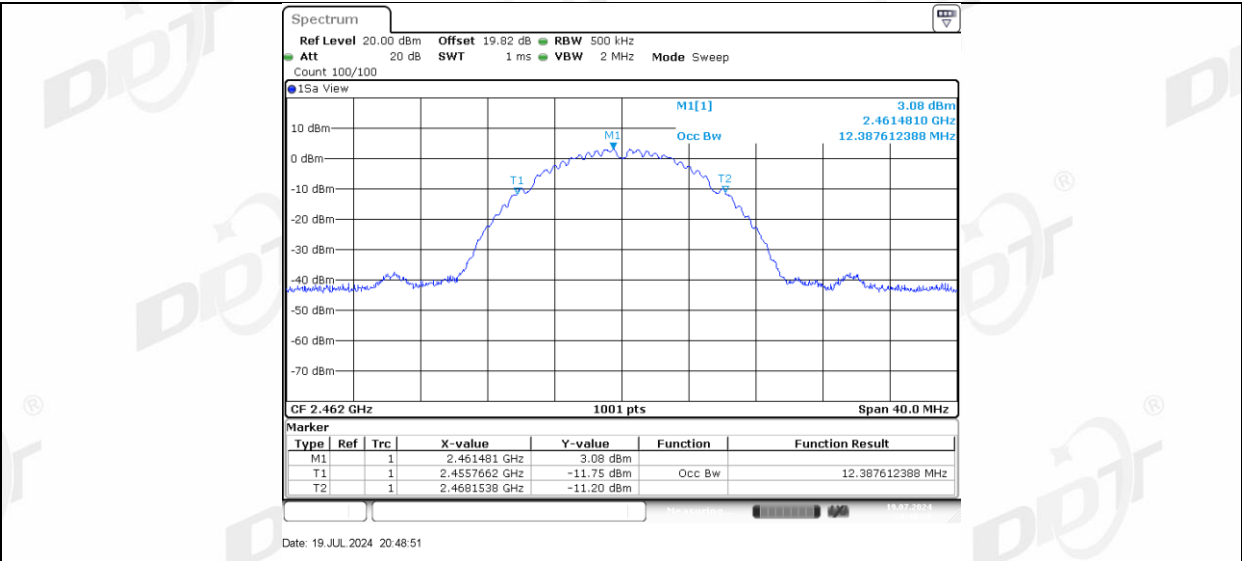
11B-CDD_Ant-3_2437



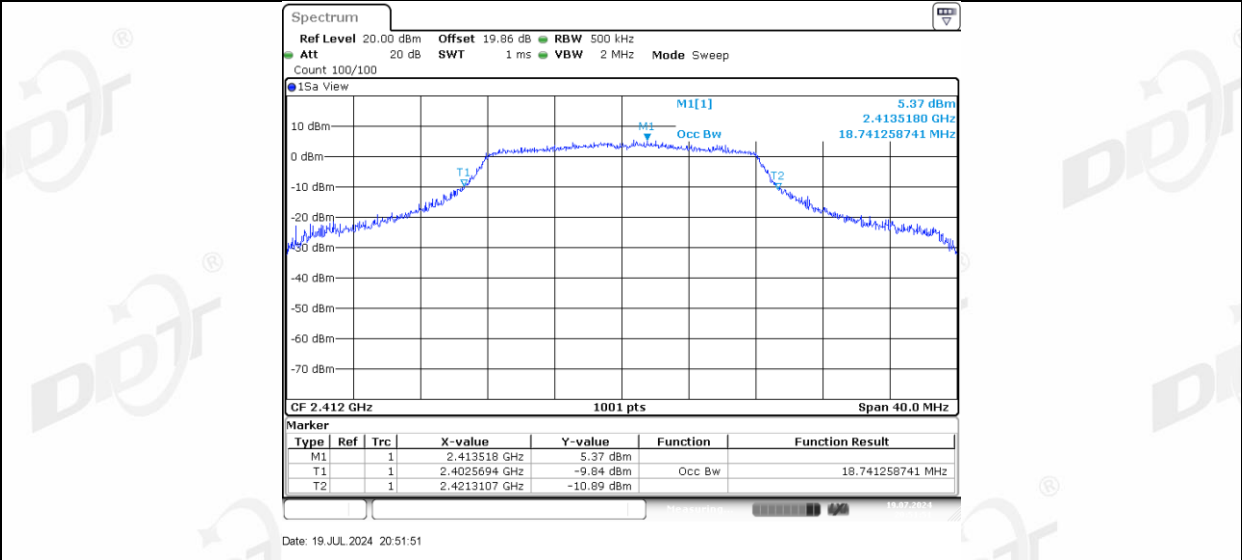
11B-CDD_Ant-1_2462



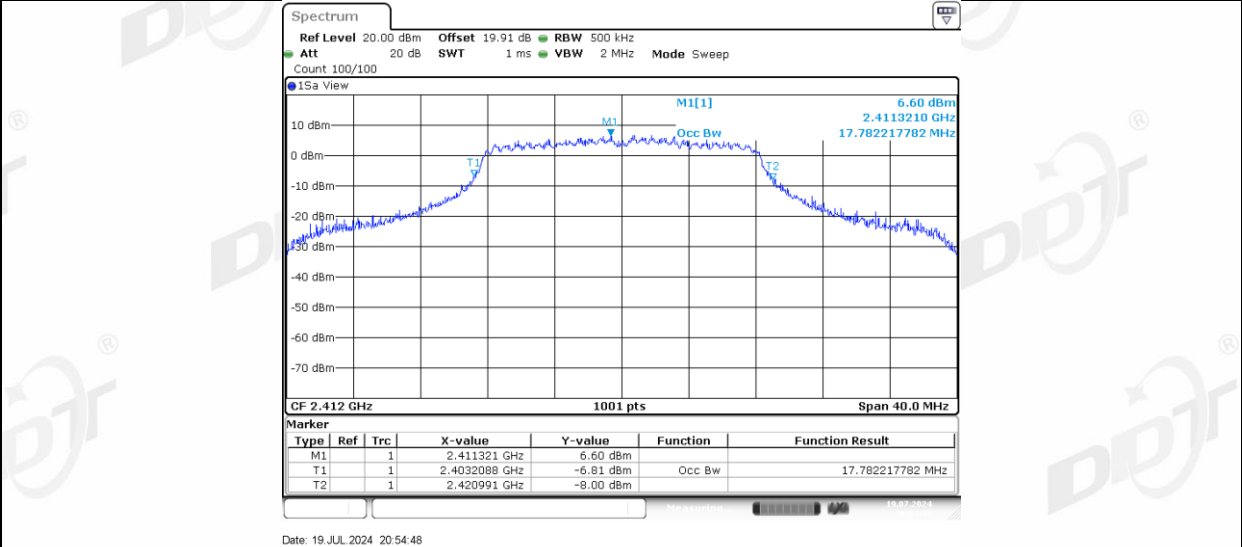
11B-CDD_Ant-3_2462



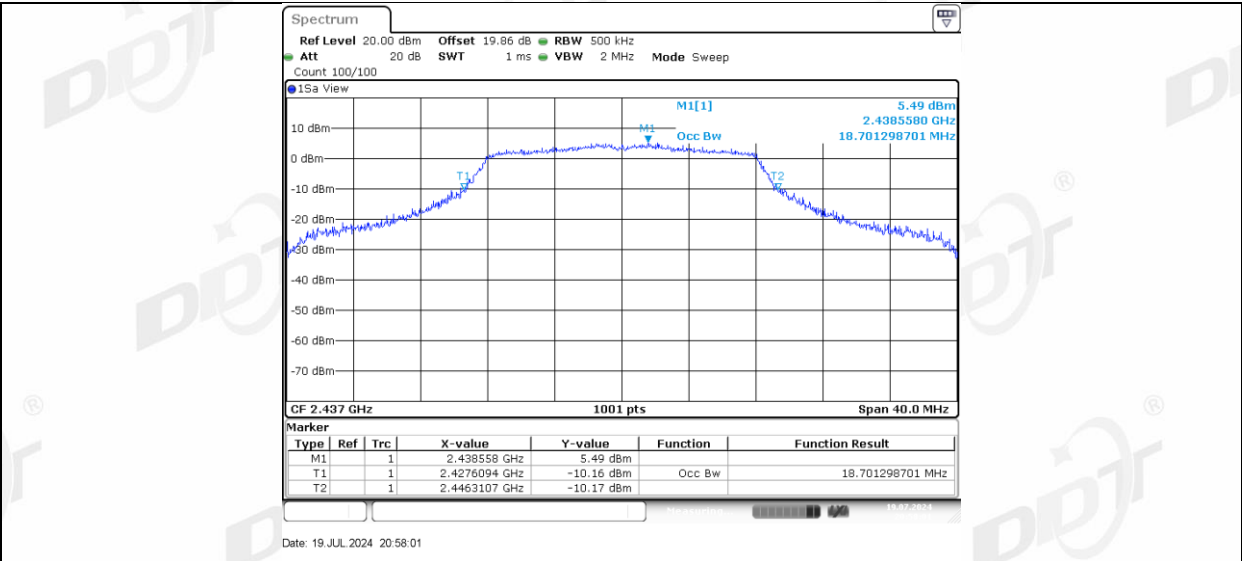
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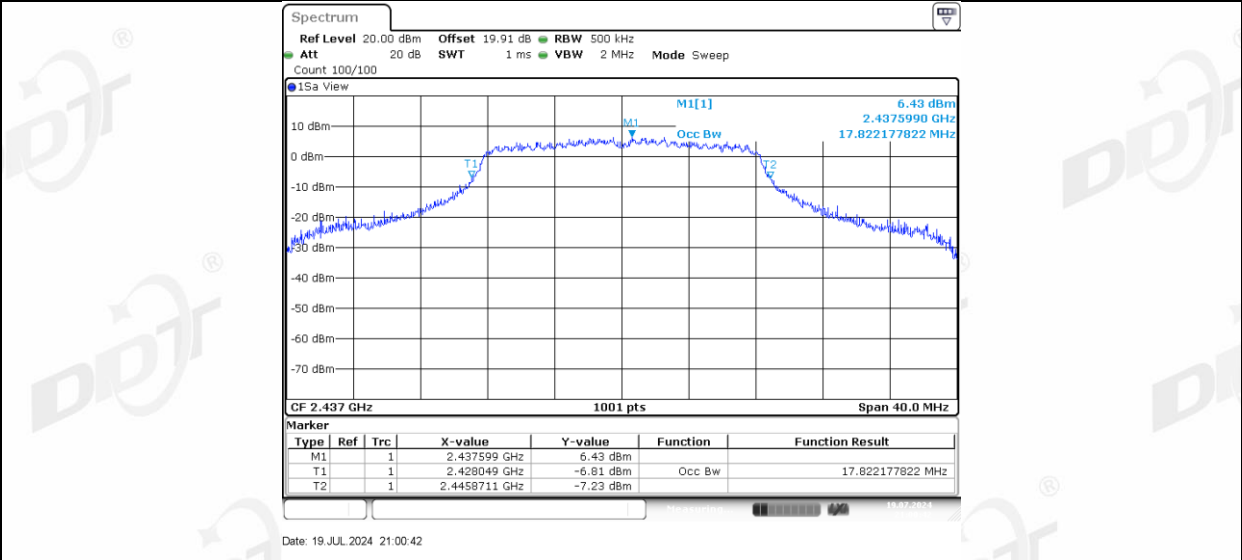
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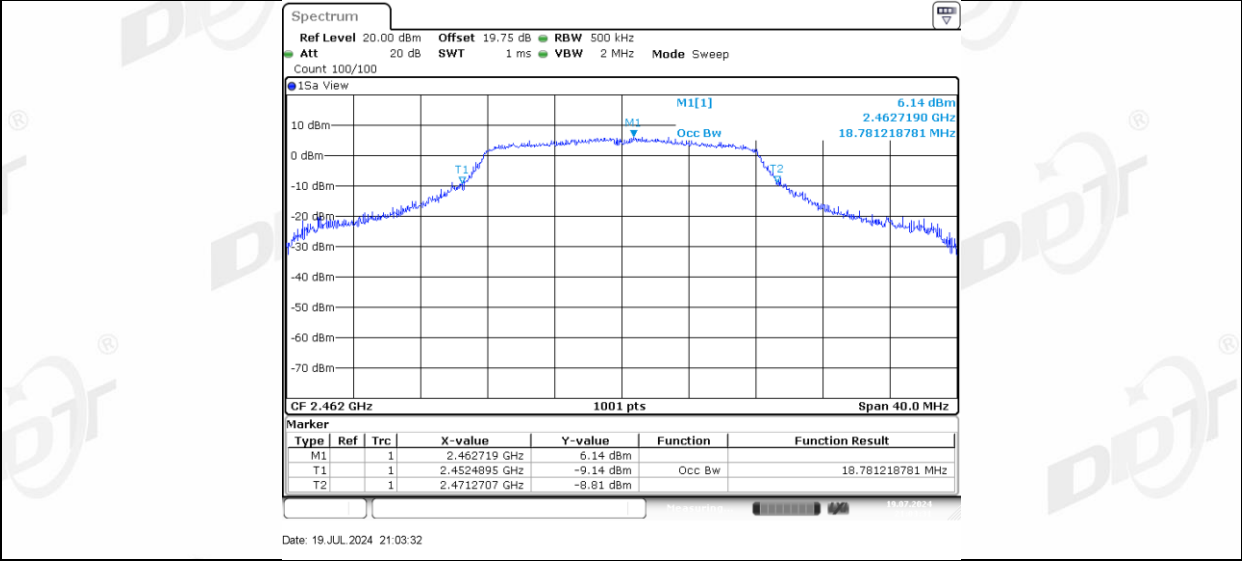
11G-CDD_Ant-1_2437



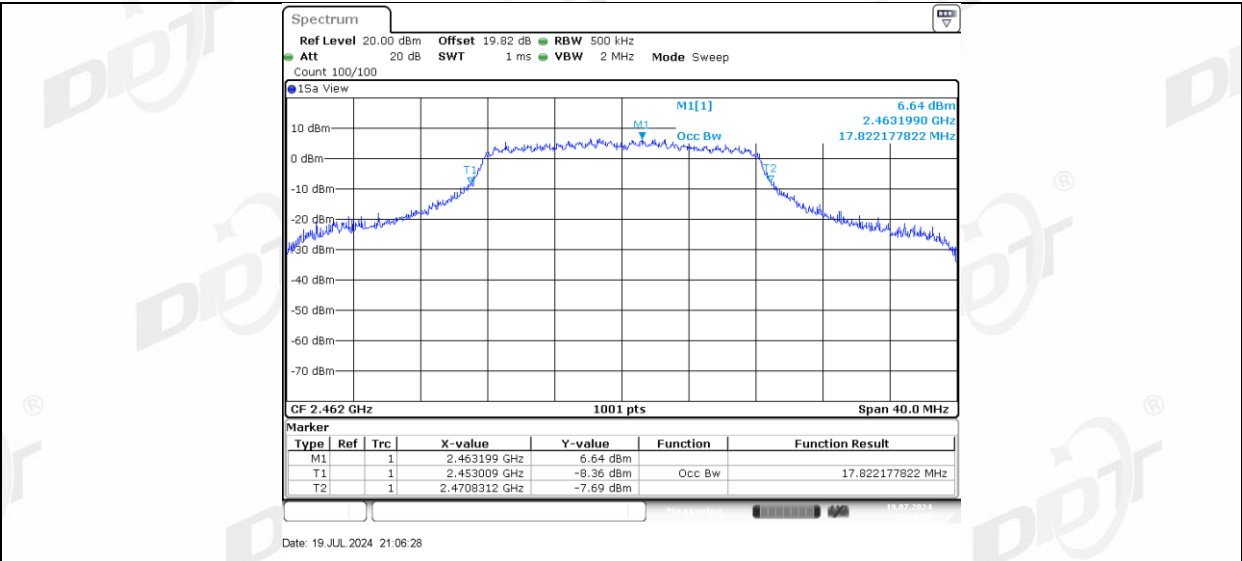
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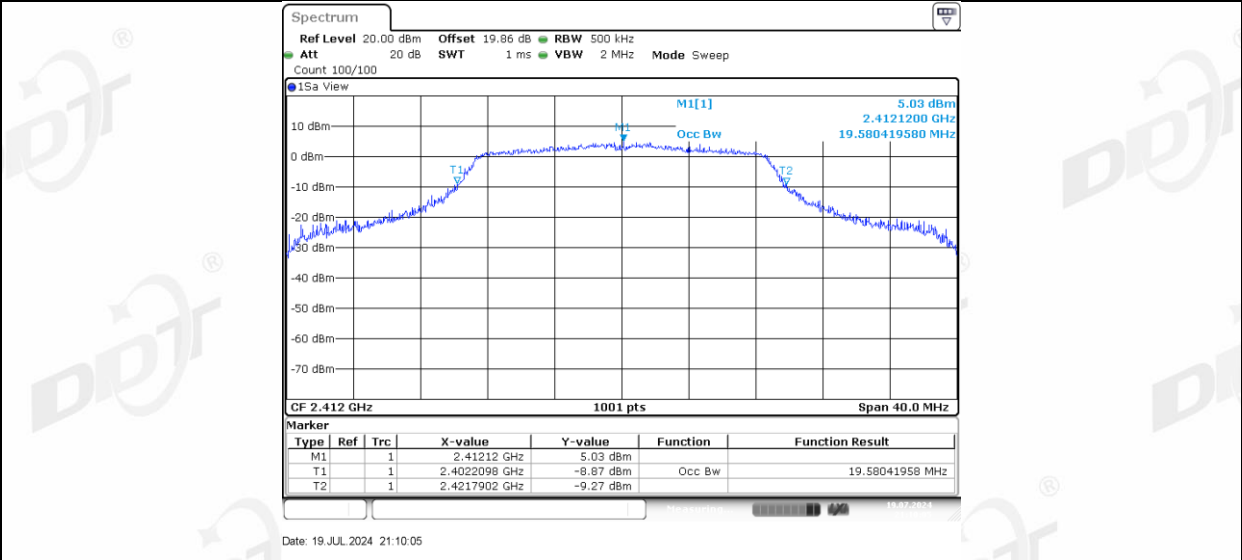
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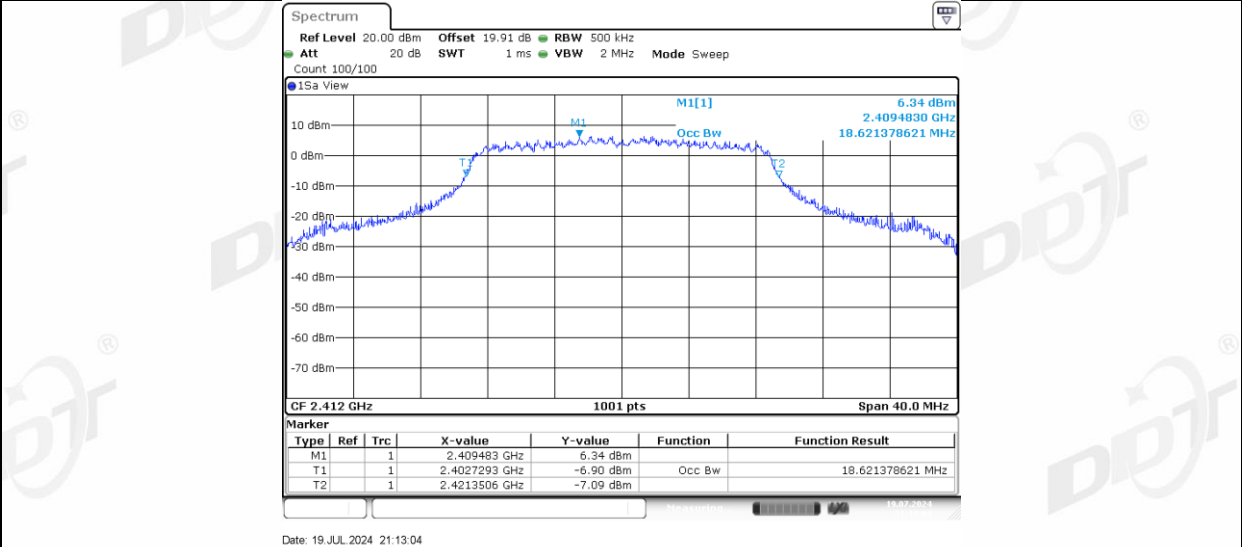
11G-CDD_Ant-3_2462



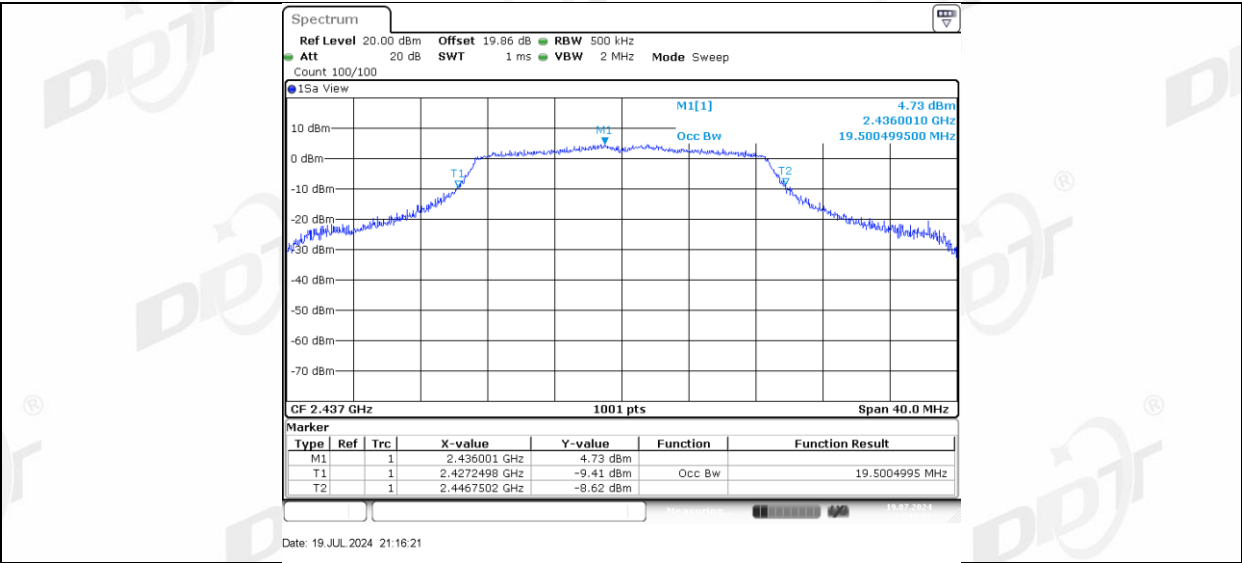
11N20MIMO_Ant-1_2412



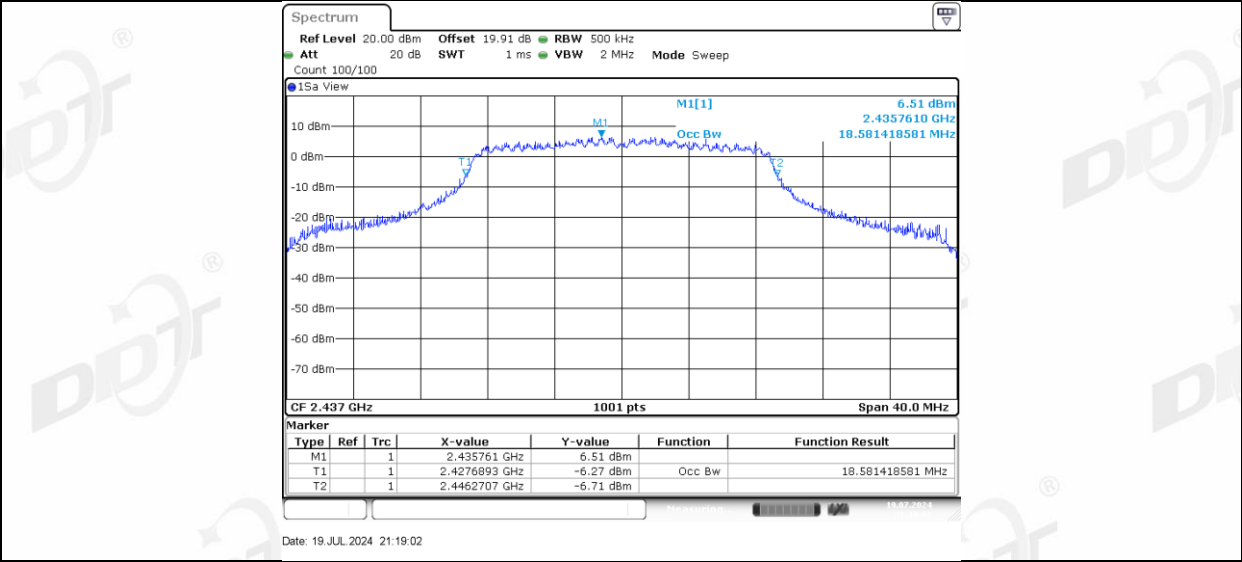
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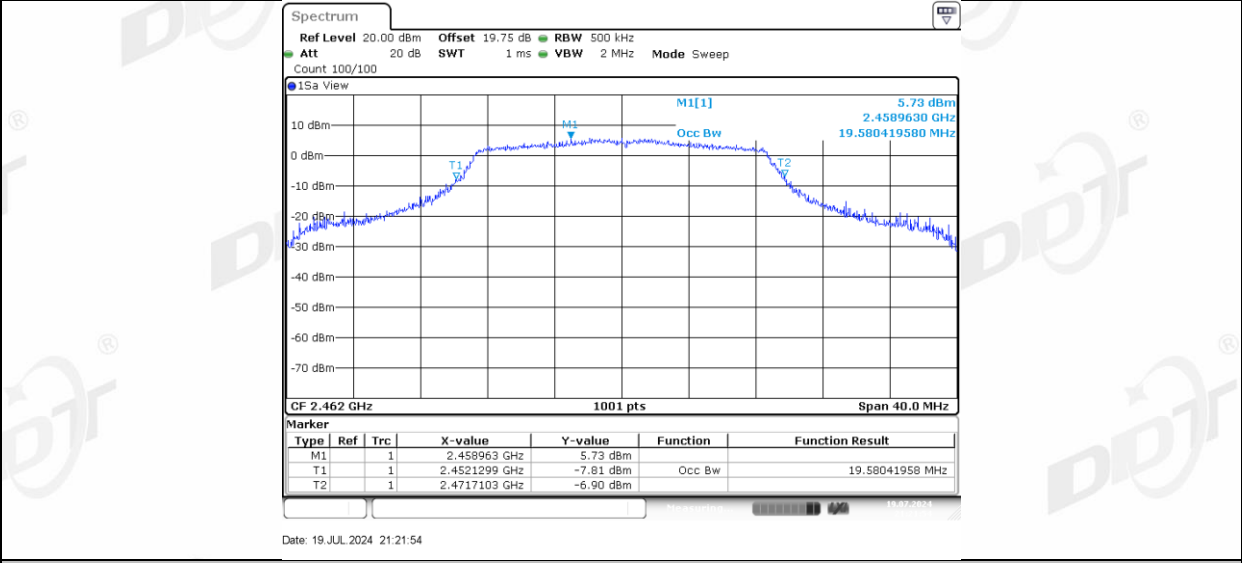
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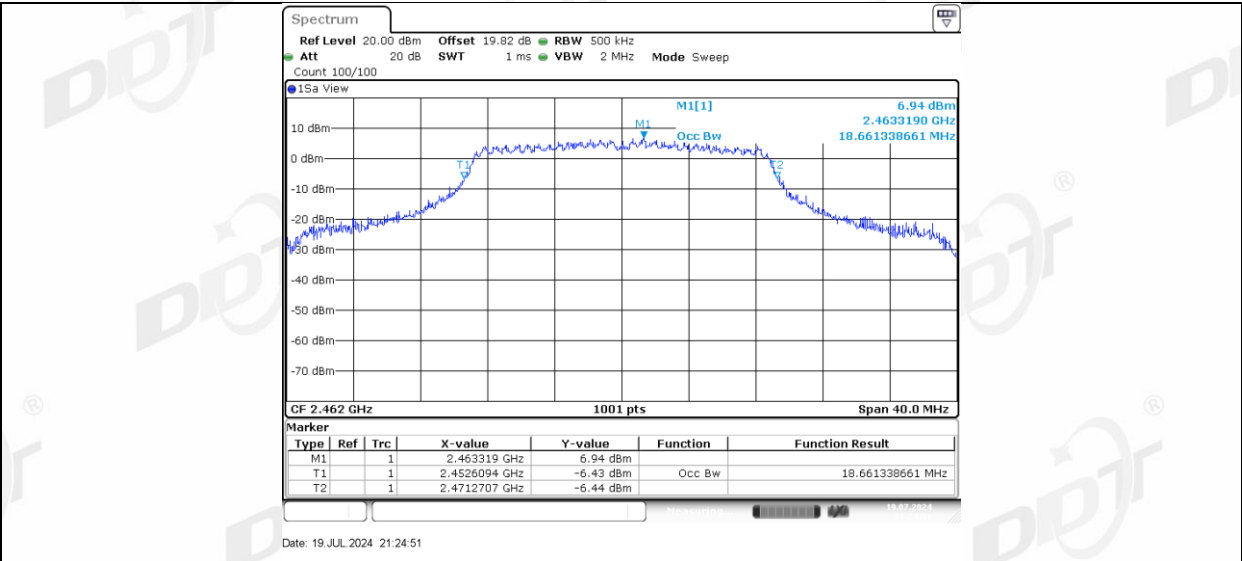
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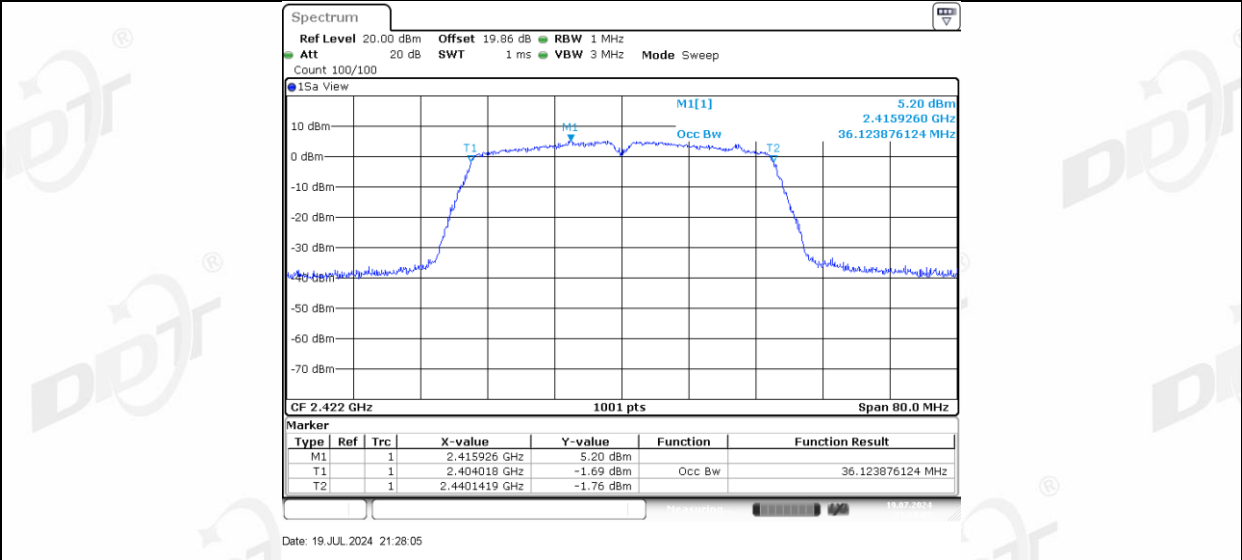
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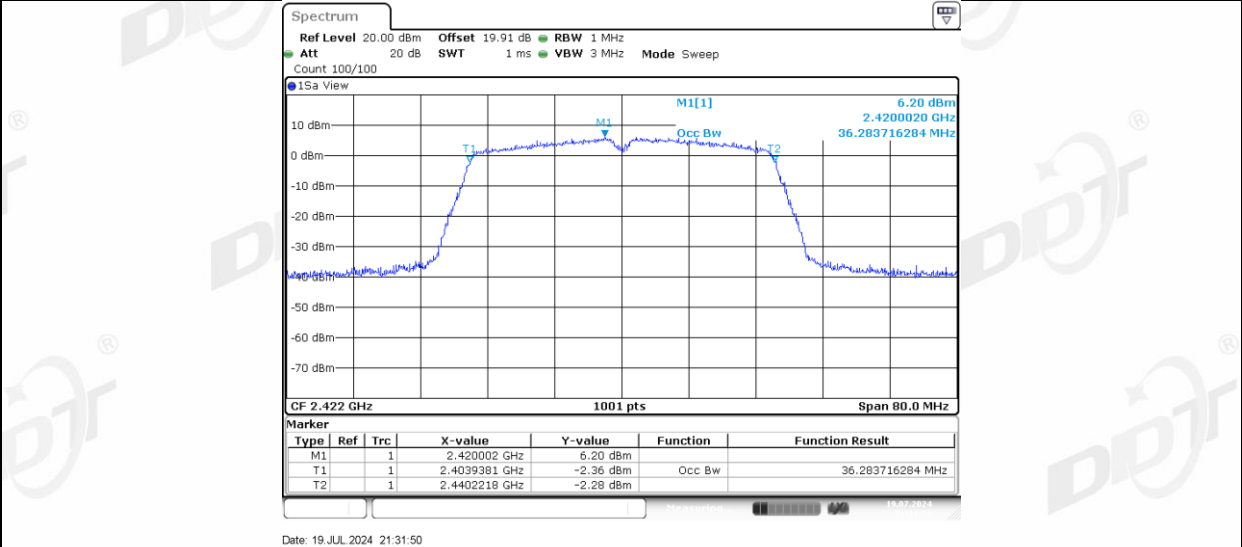
11N20MIMO_Ant-3_2462



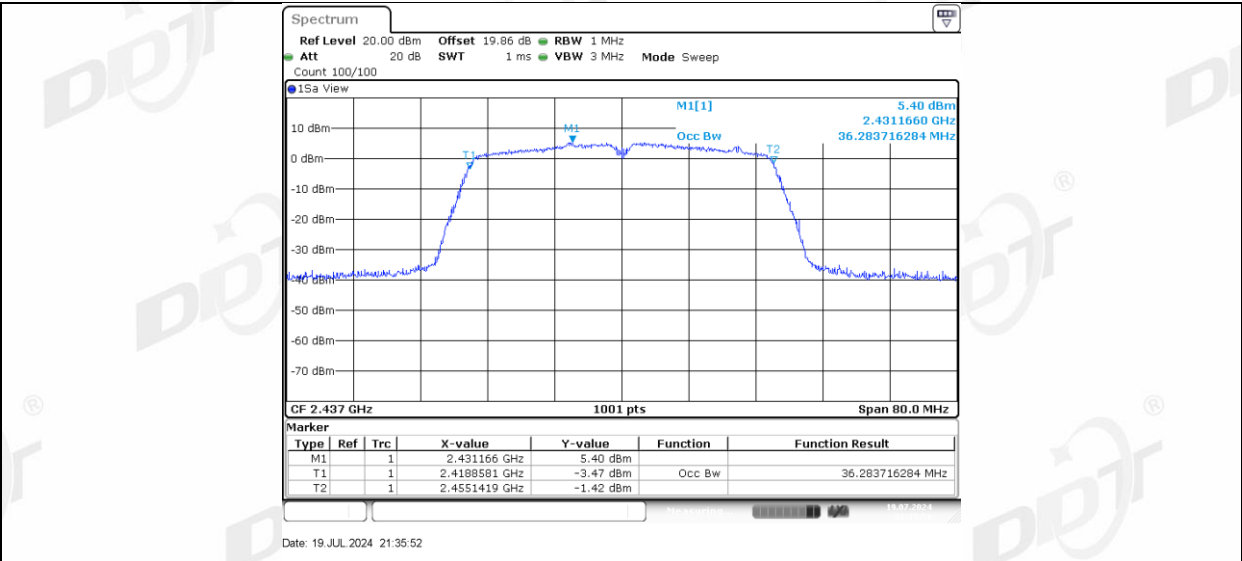
11N40MIMO_Ant-1_2422



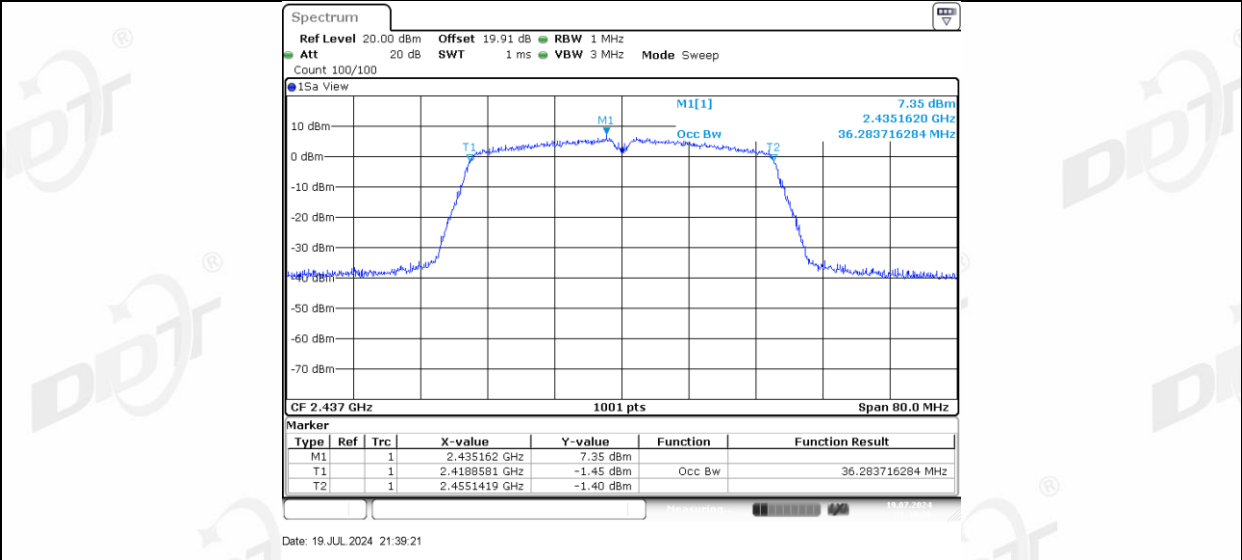
11N40MIMO_Ant-3_2422



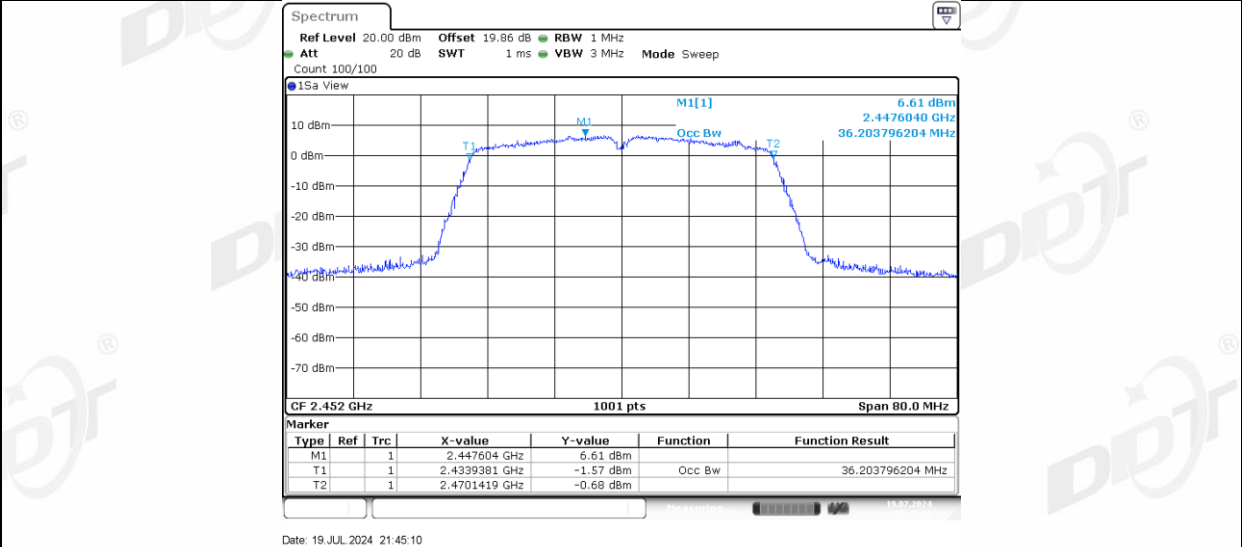
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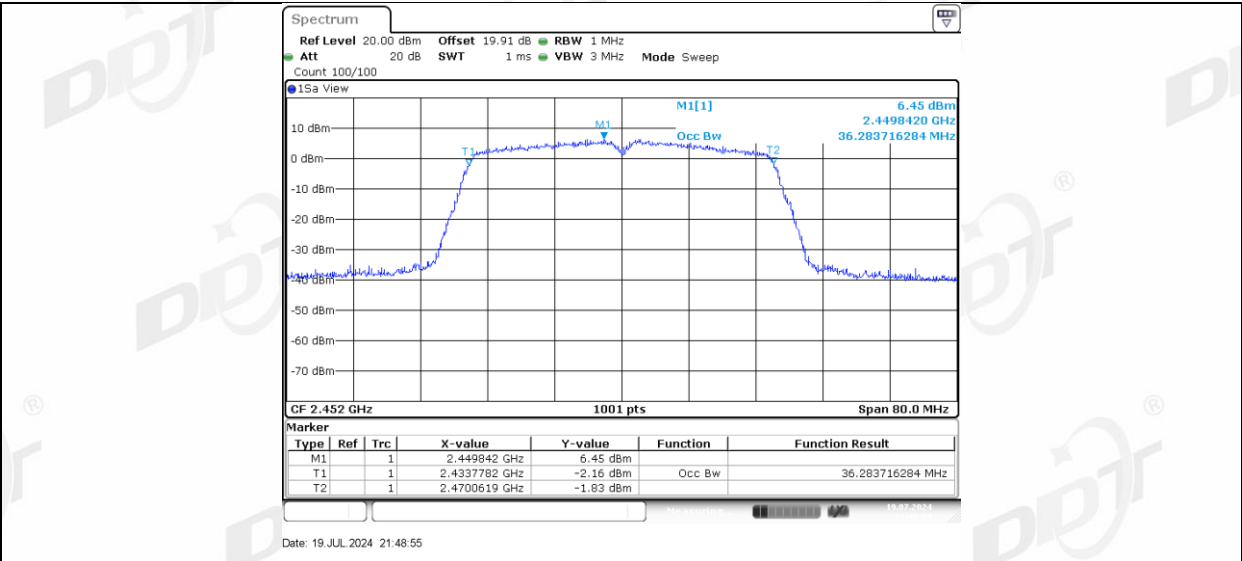
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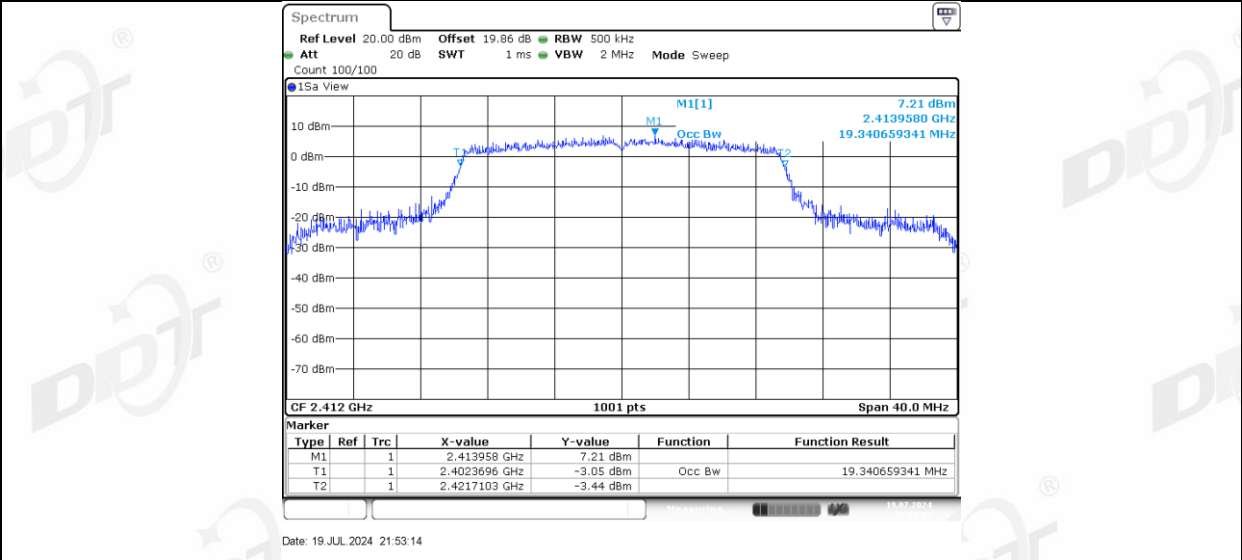
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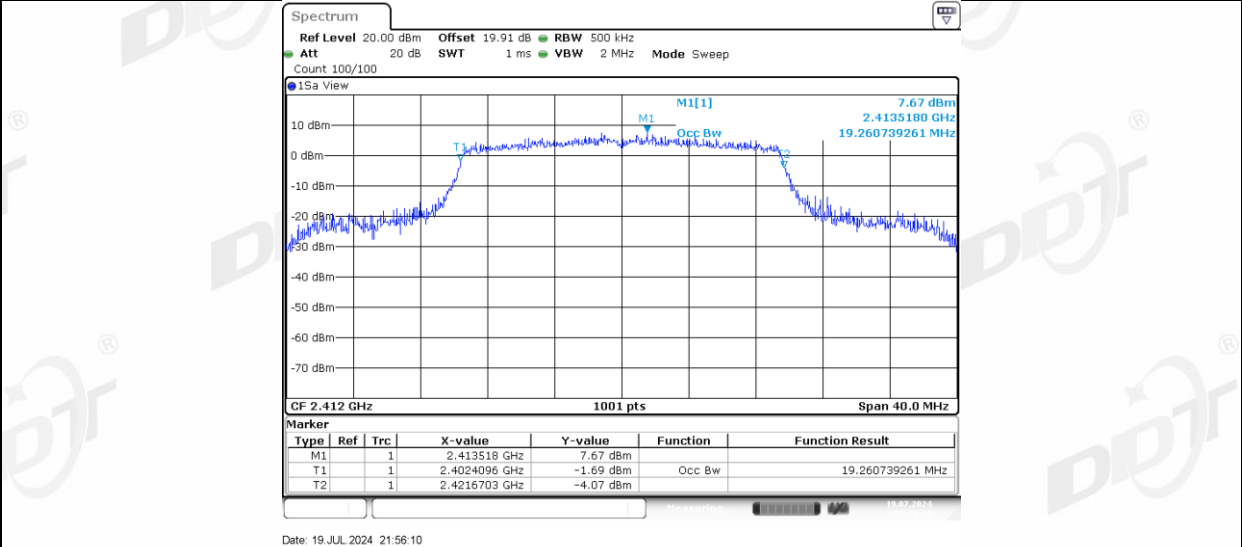
11N40MIMO_Ant-3_2452



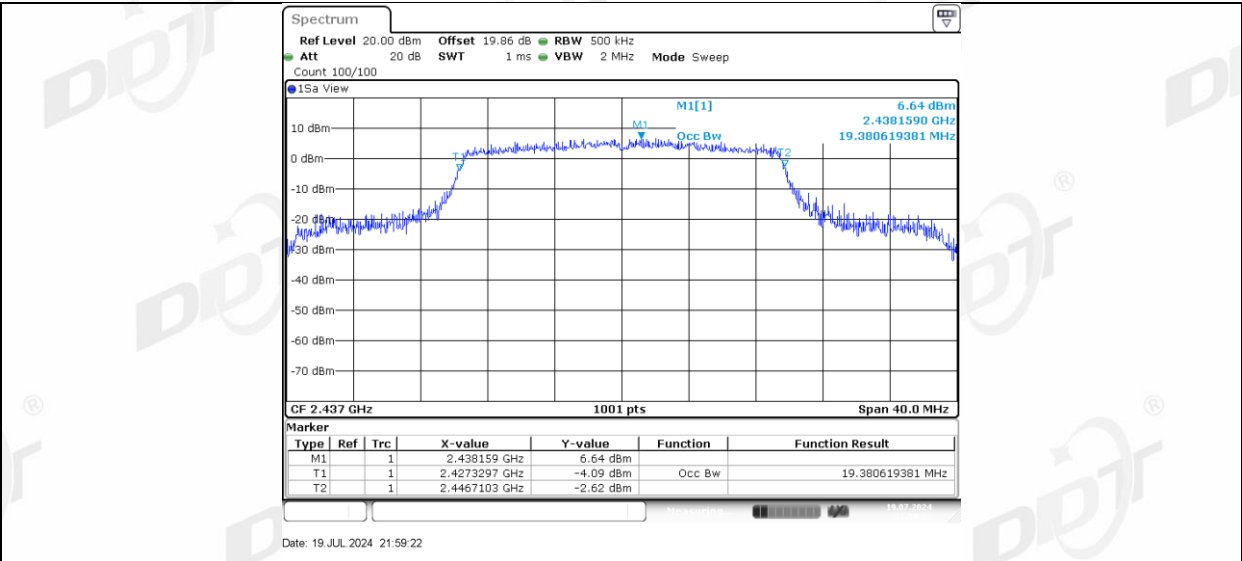
11AX20MIMO_Ant-1_2412



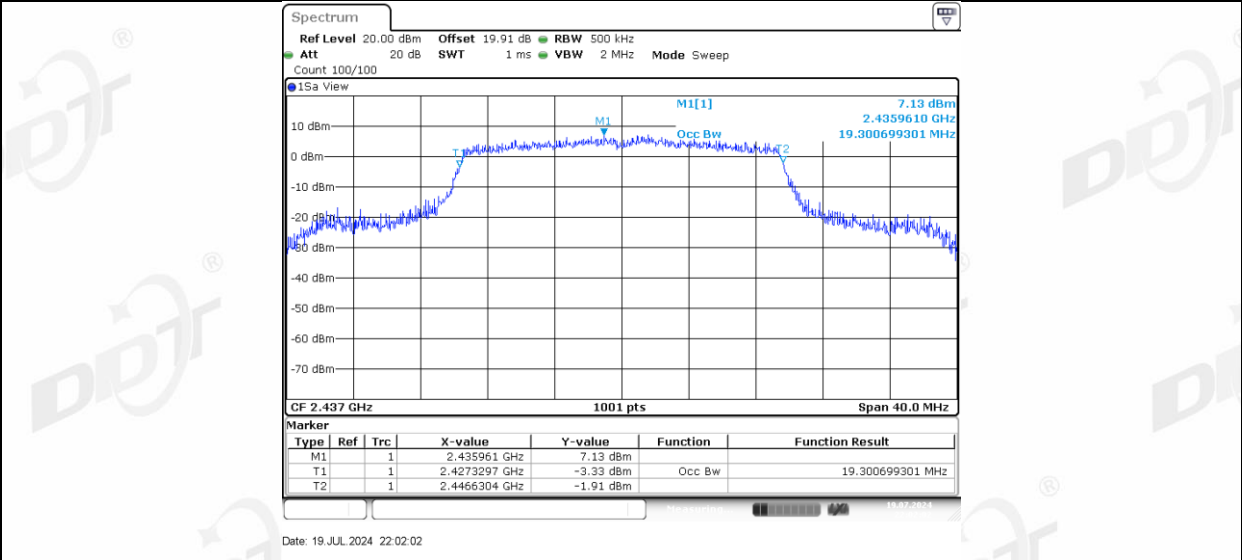
11AX20MIMO_Ant-3_2412



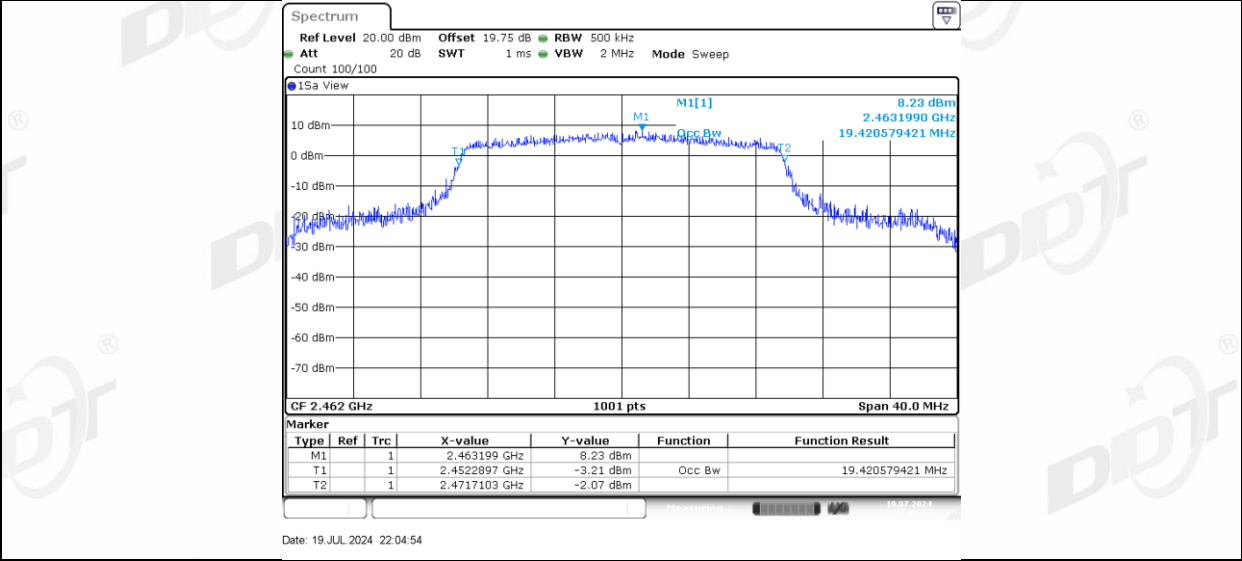
11AX20MIMO_Ant-1_2437



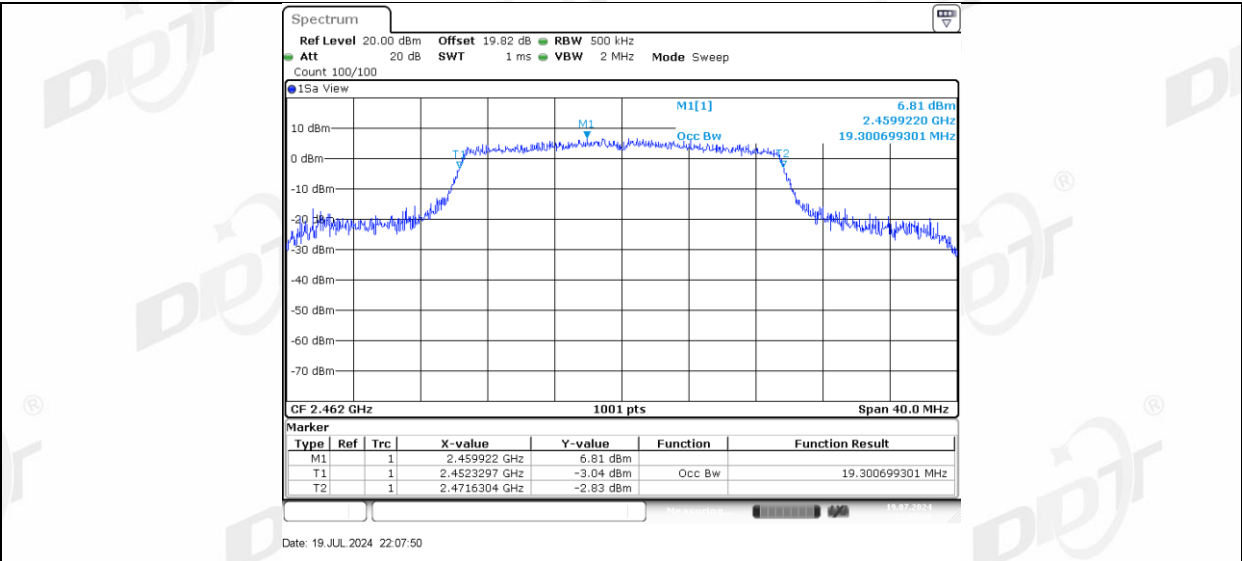
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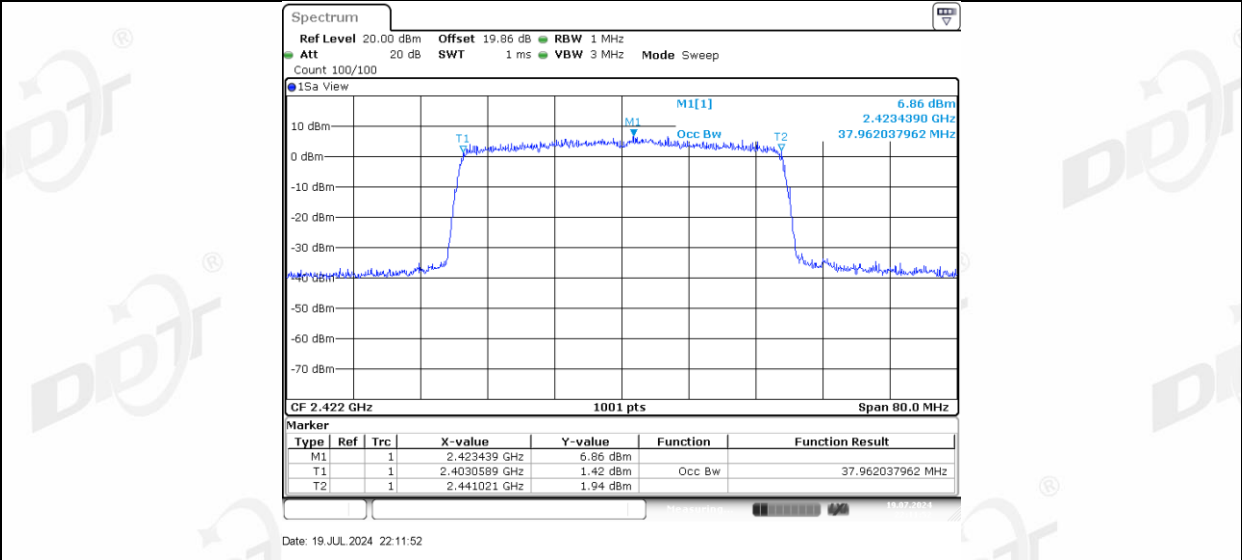
11AX20MIMO_Ant-1_2462



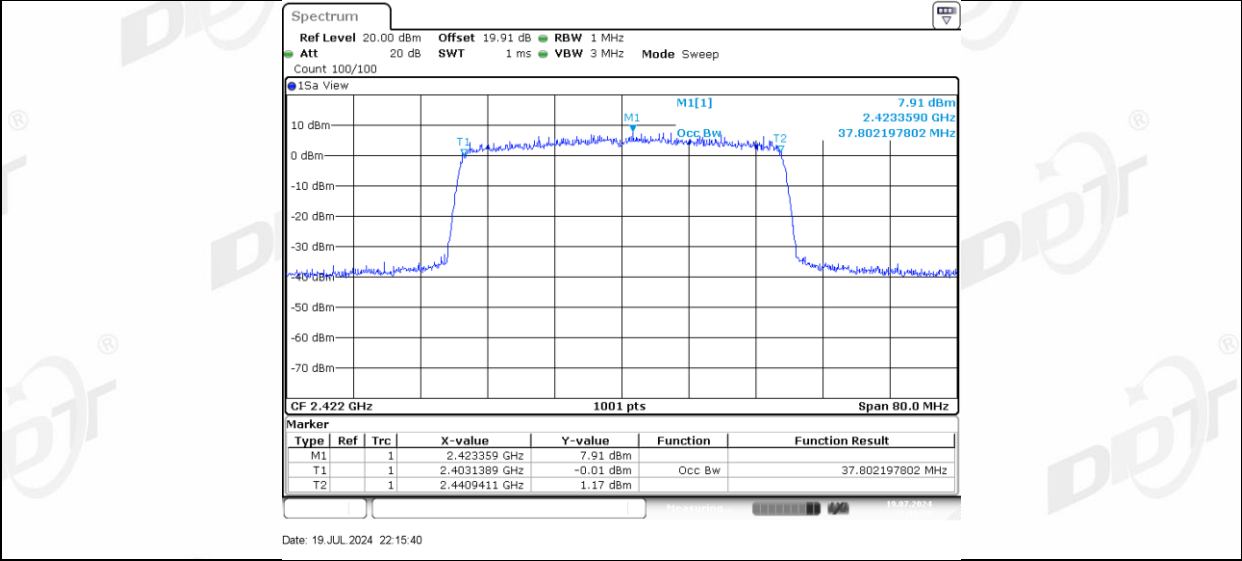
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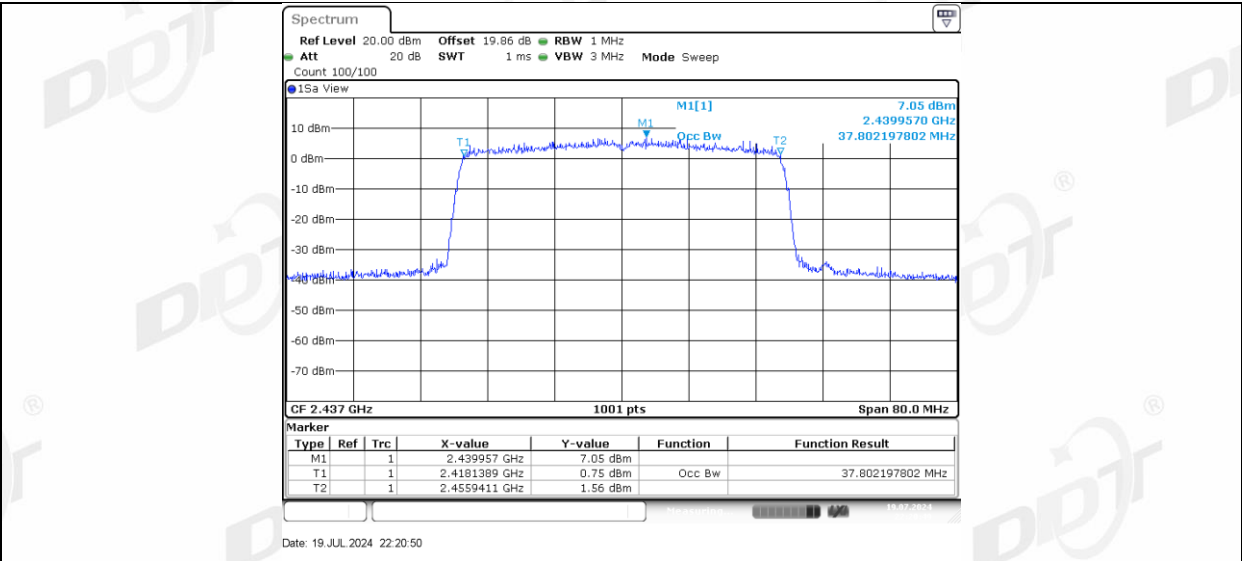
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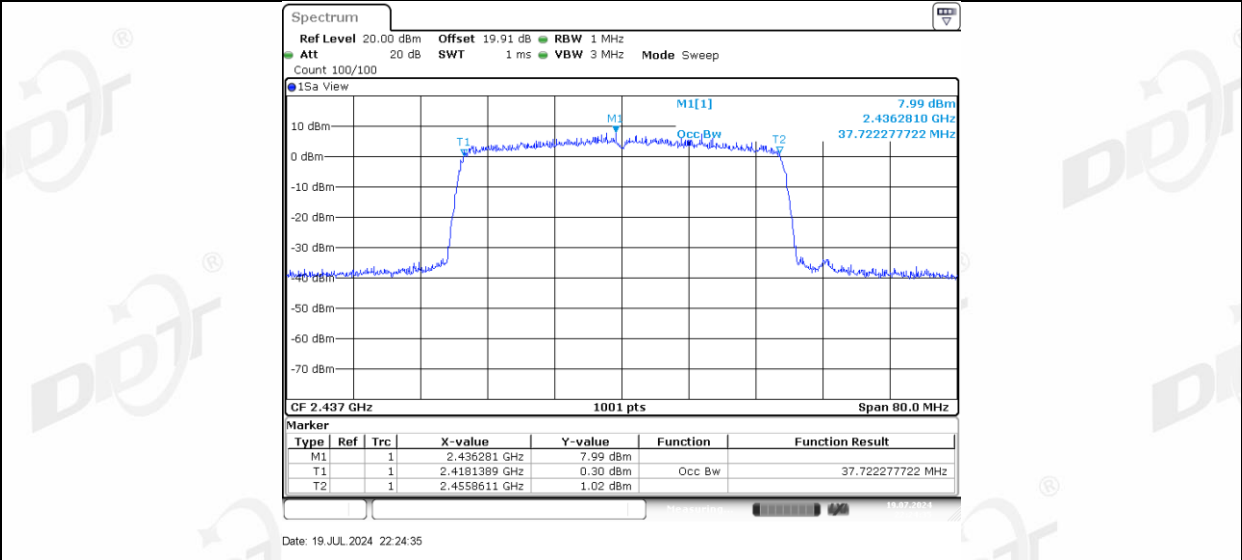
11AX40MIMO_Ant-3_2422



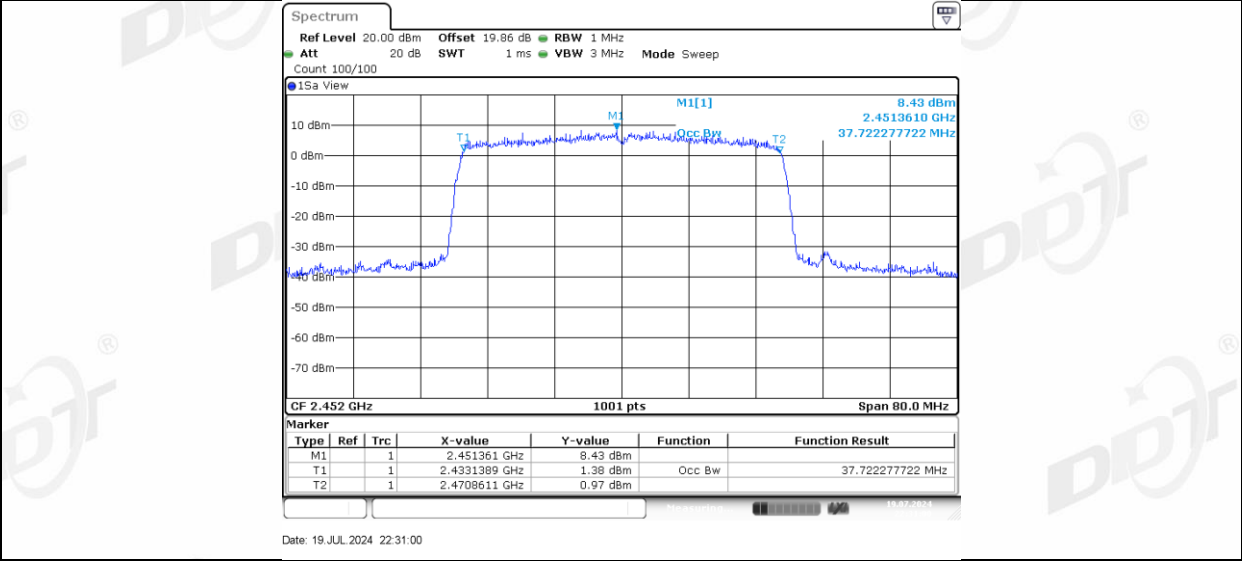
11AX40MIMO_Ant-1_2437



11AX40MIMO_Ant-3_2437



11AX40MIMO_Ant-1_2452



11AX40MIMO_Ant-3_2452

