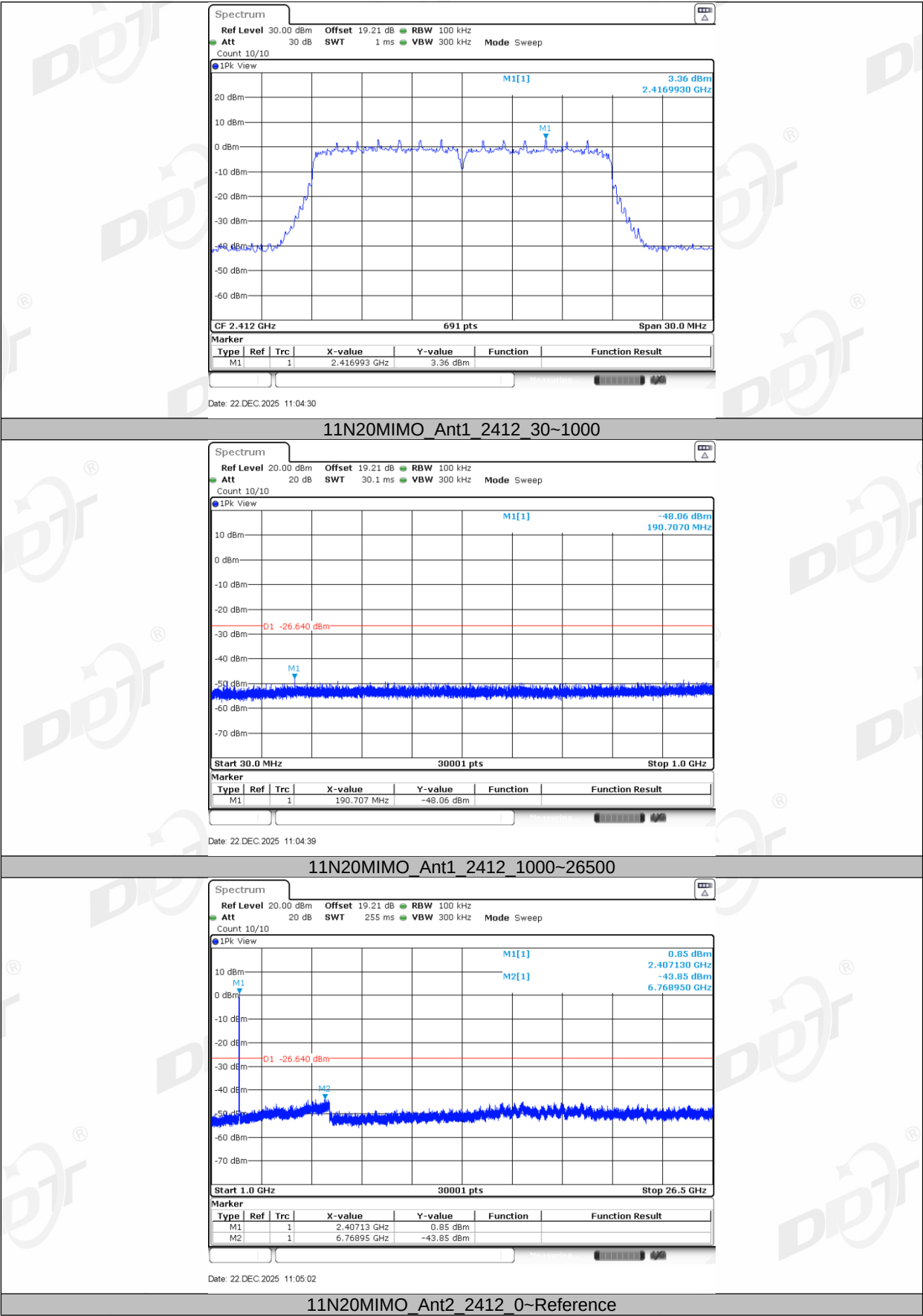
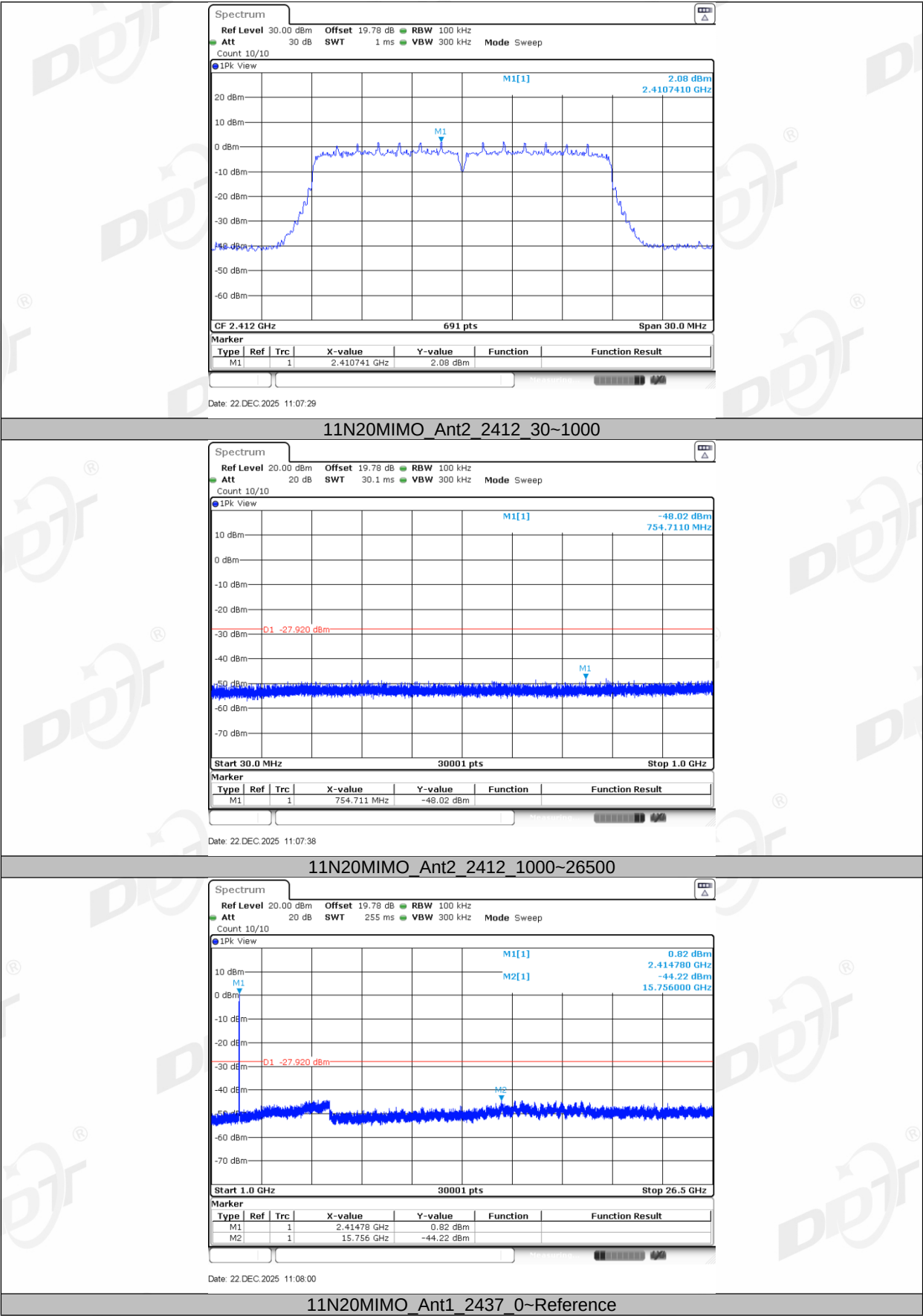
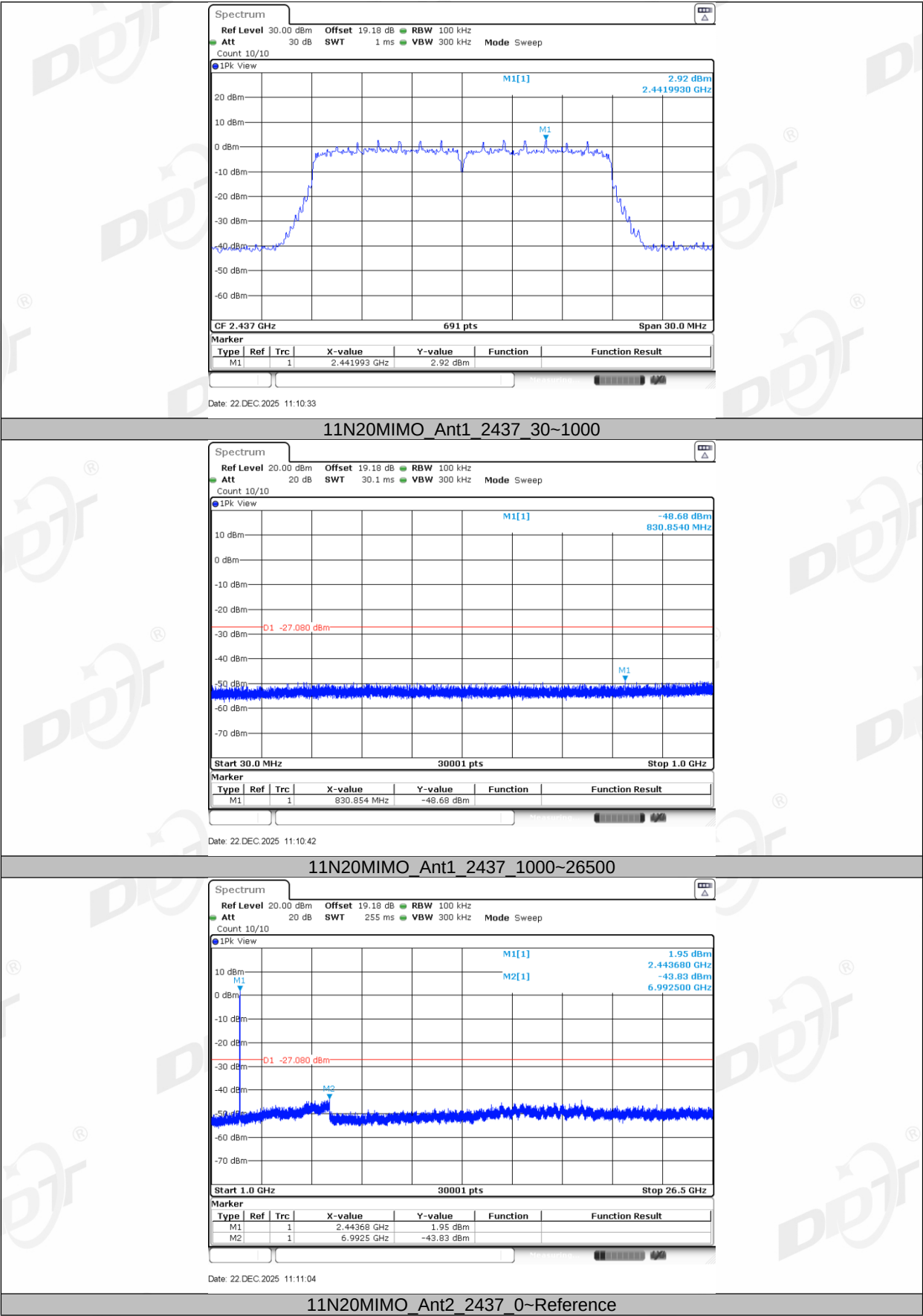
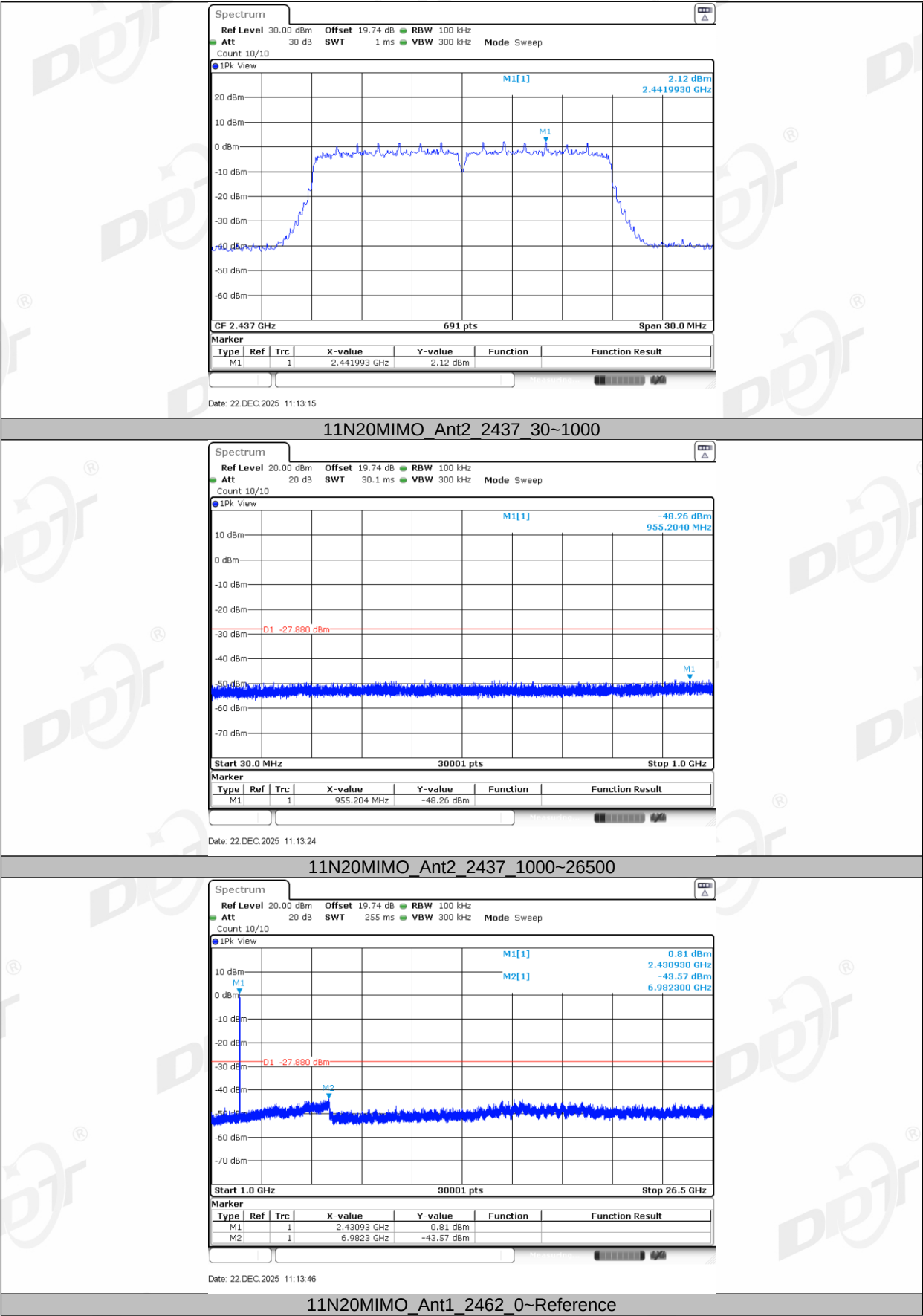
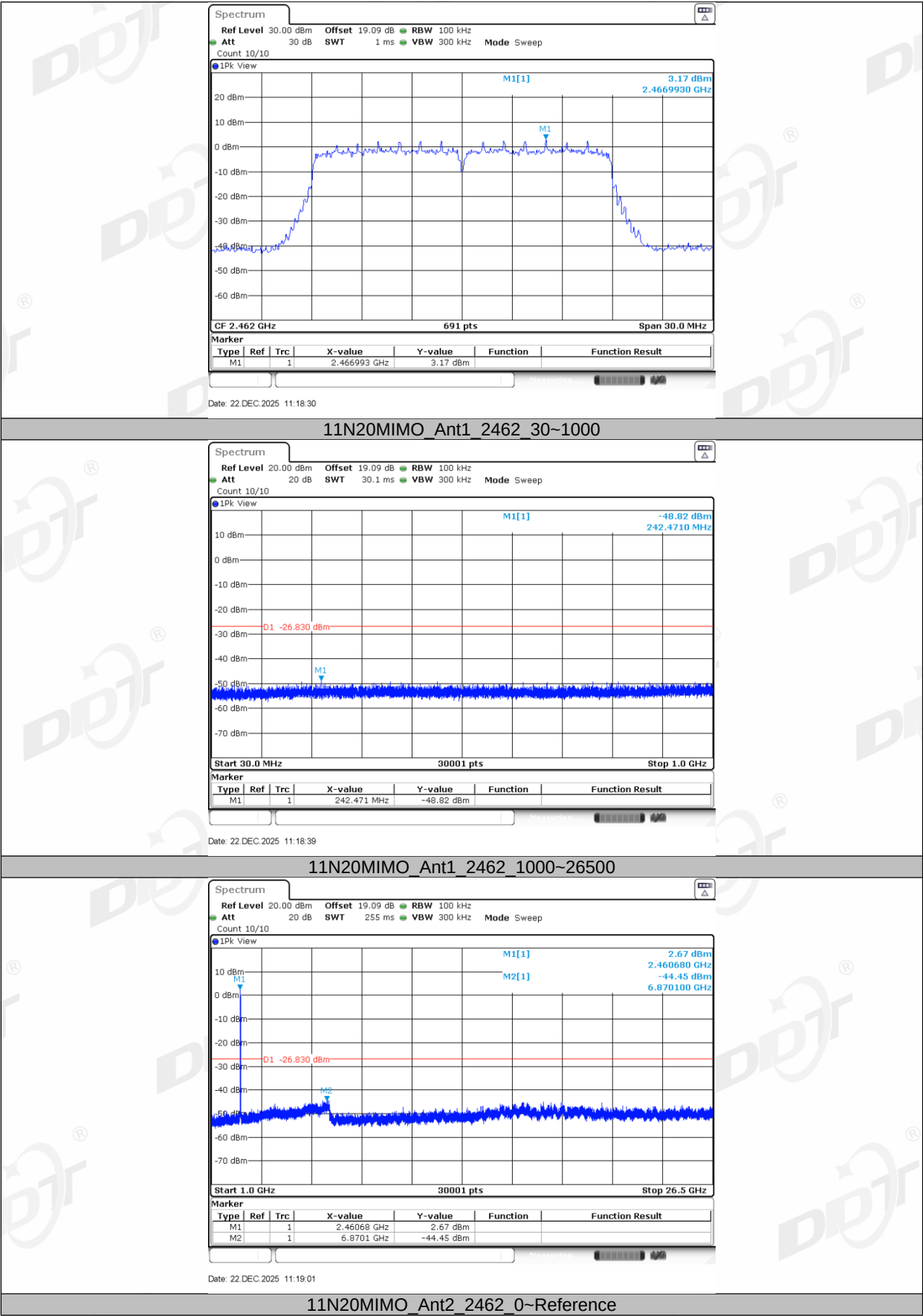


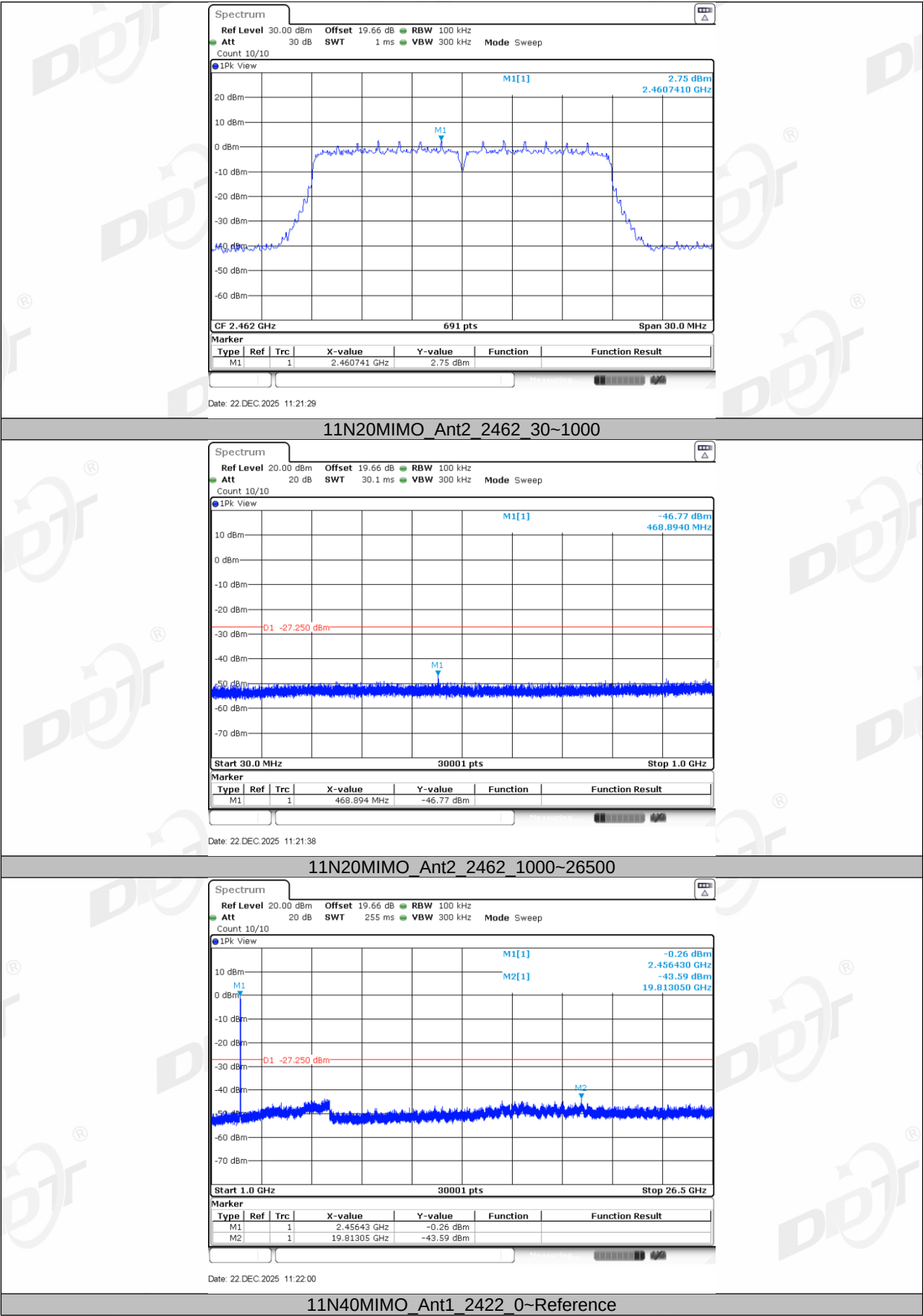


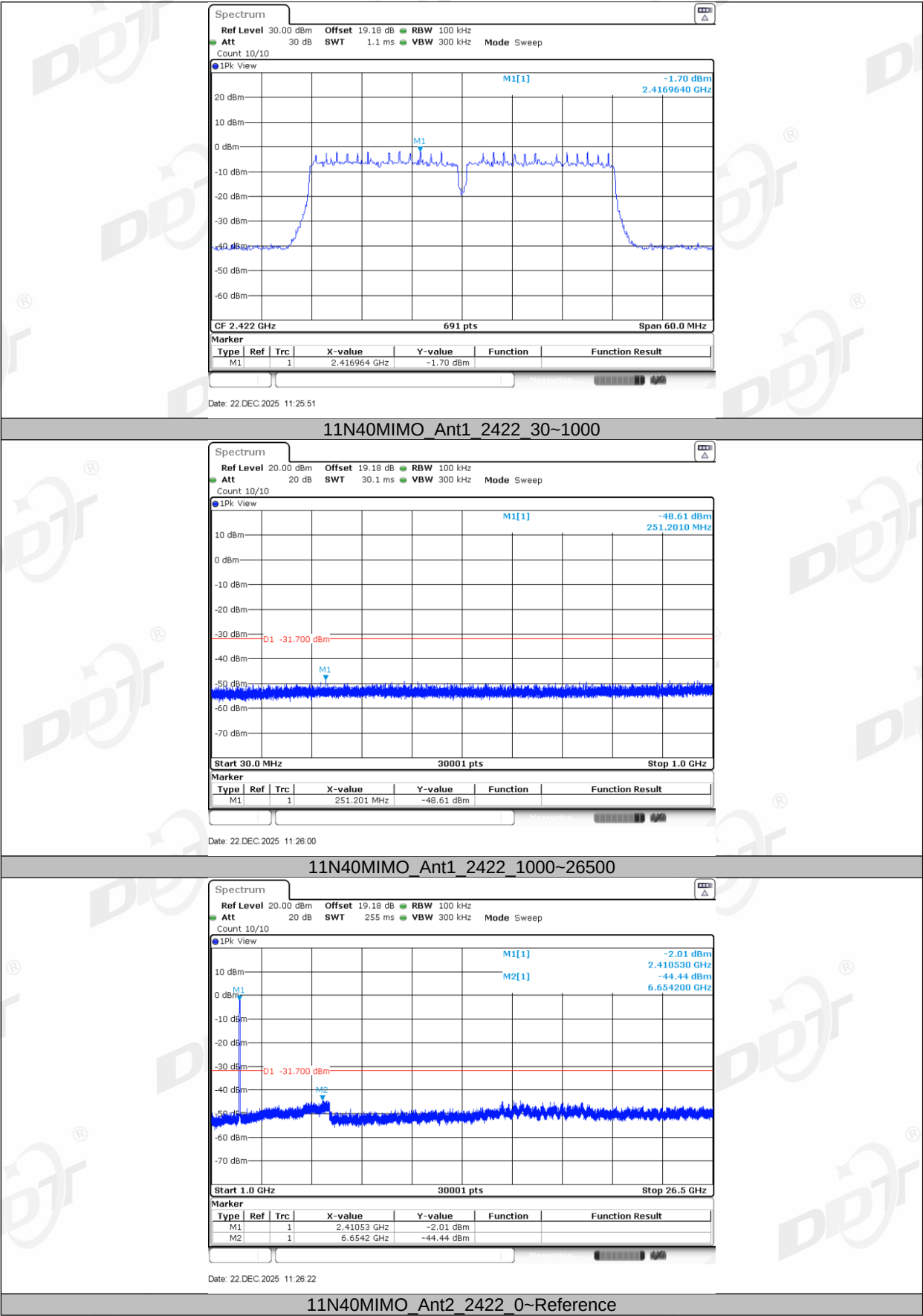


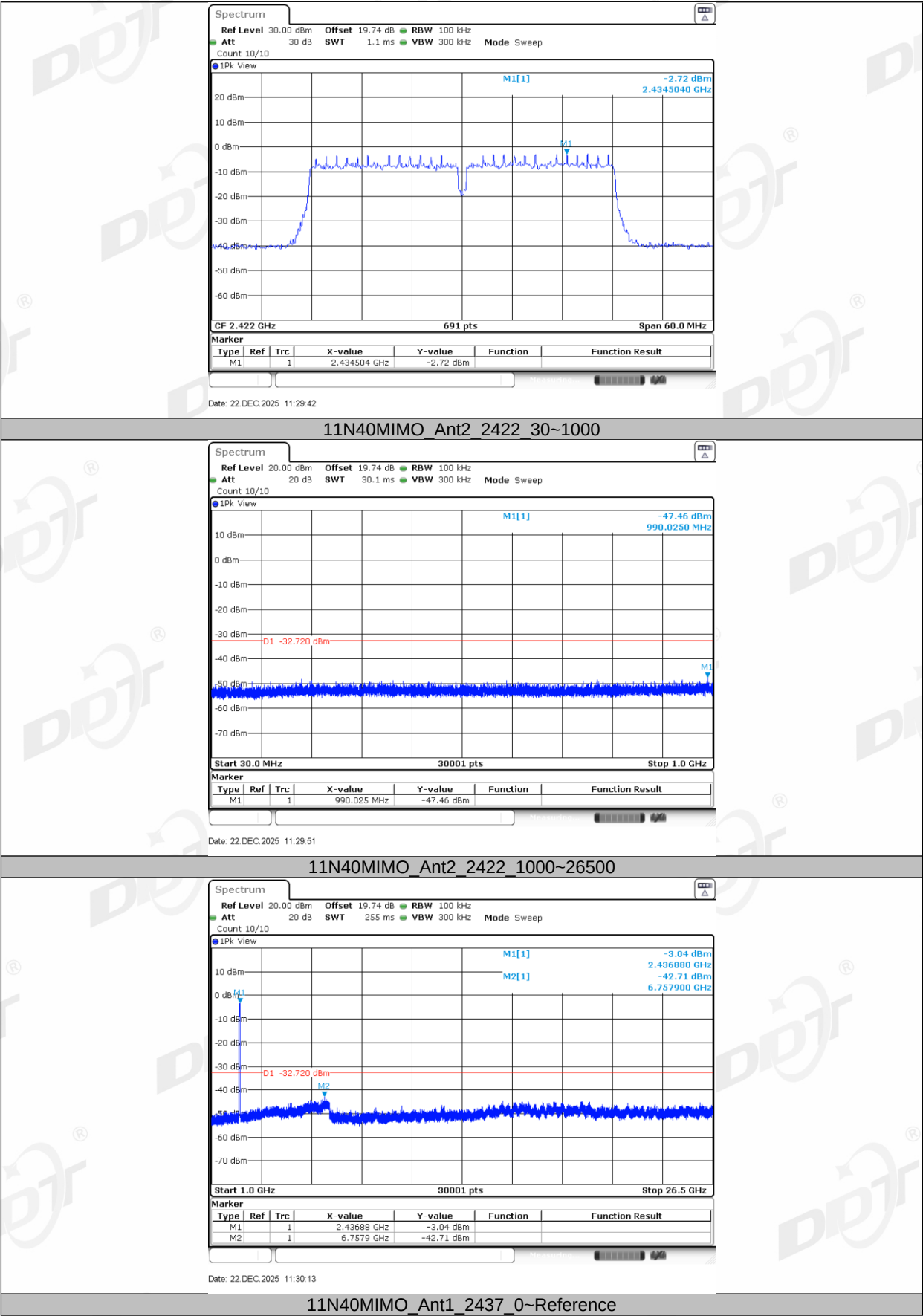


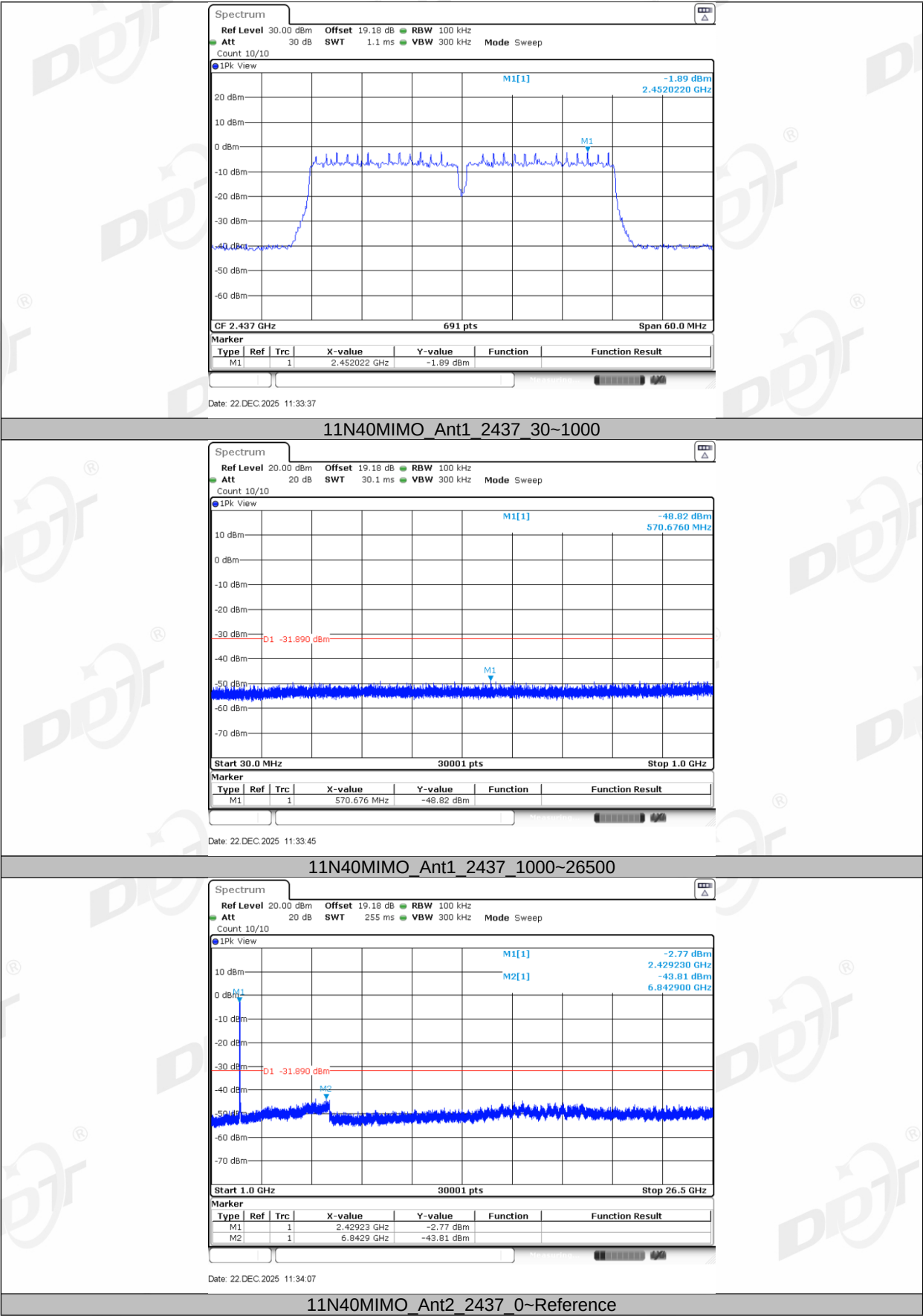


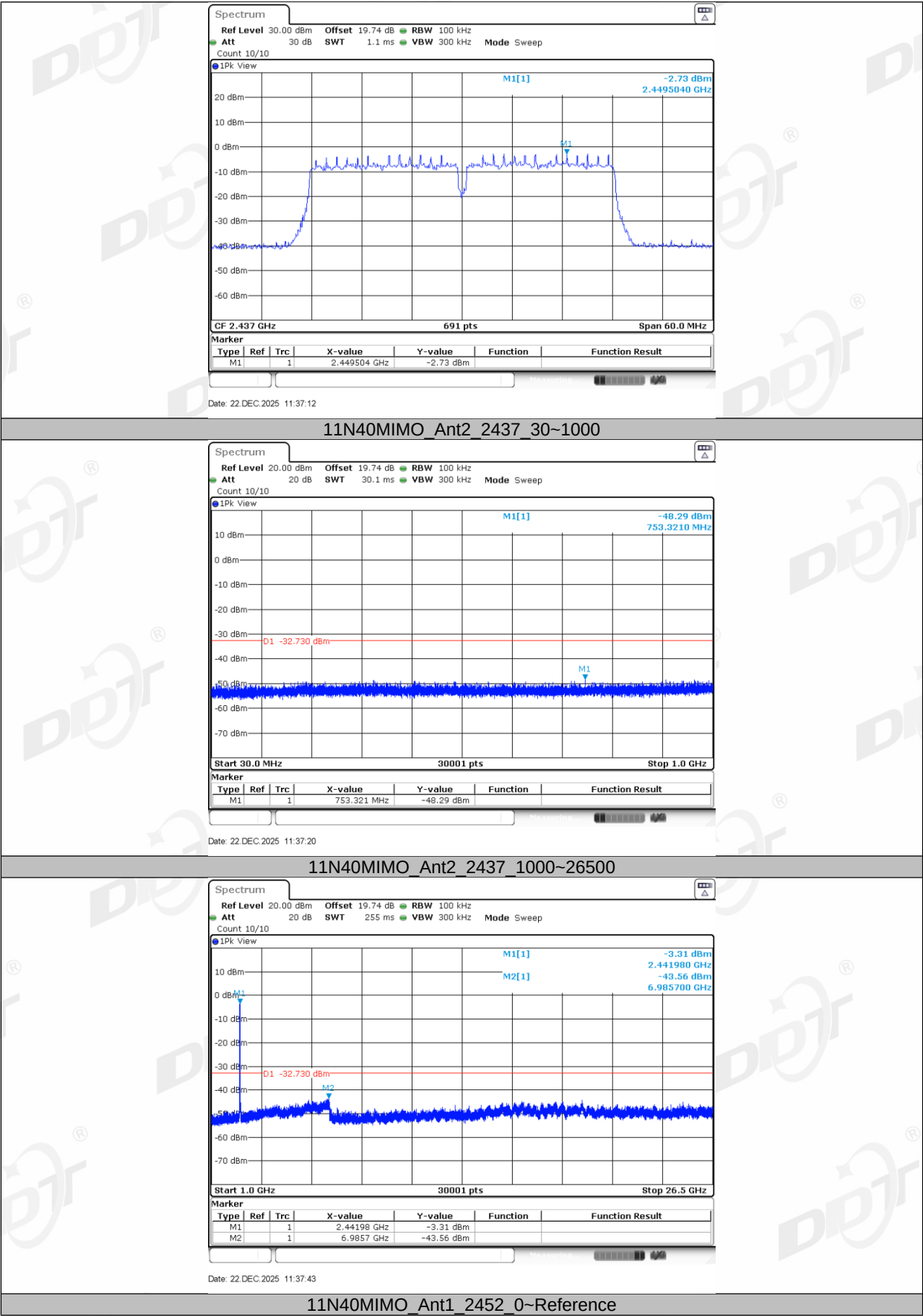


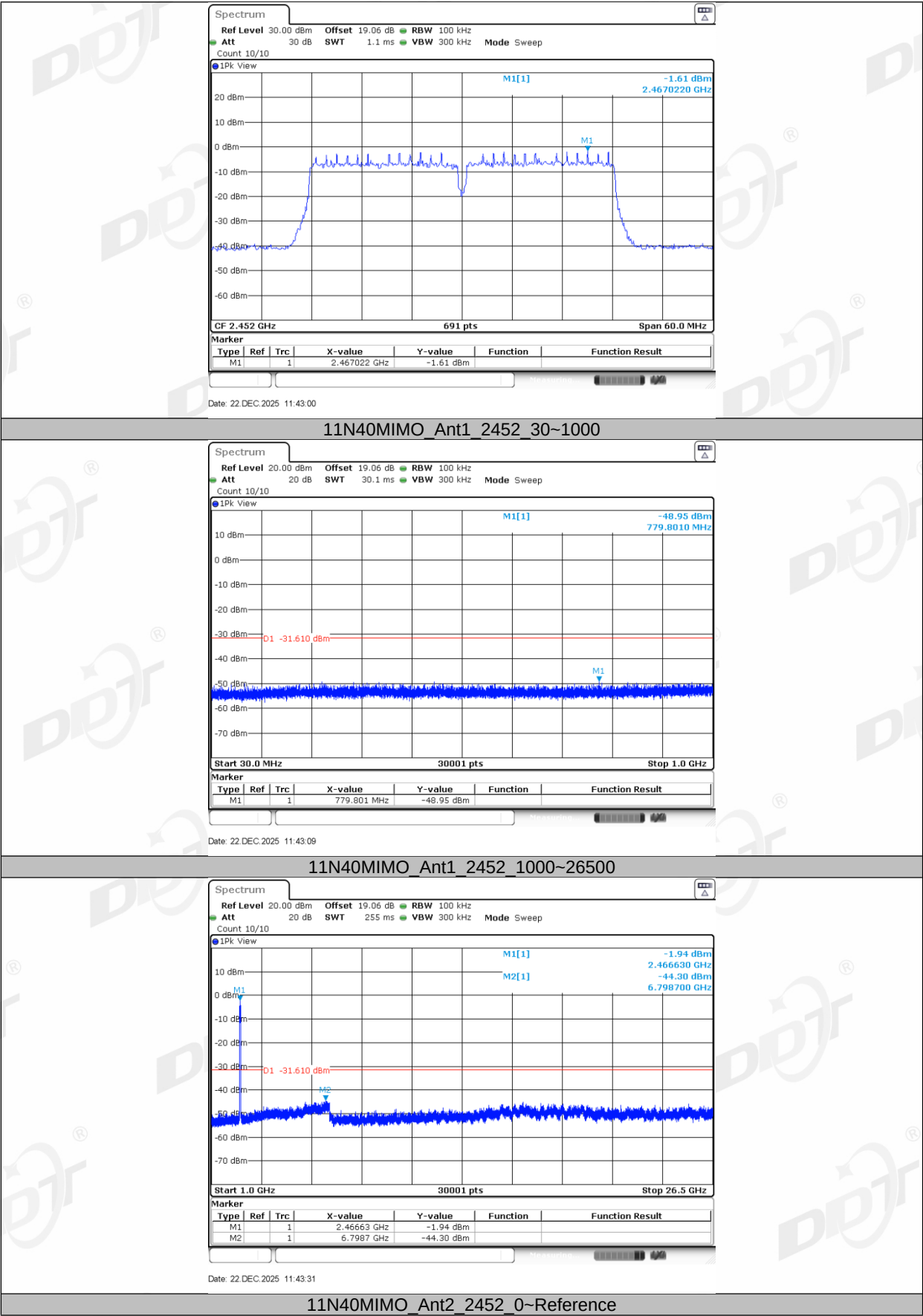


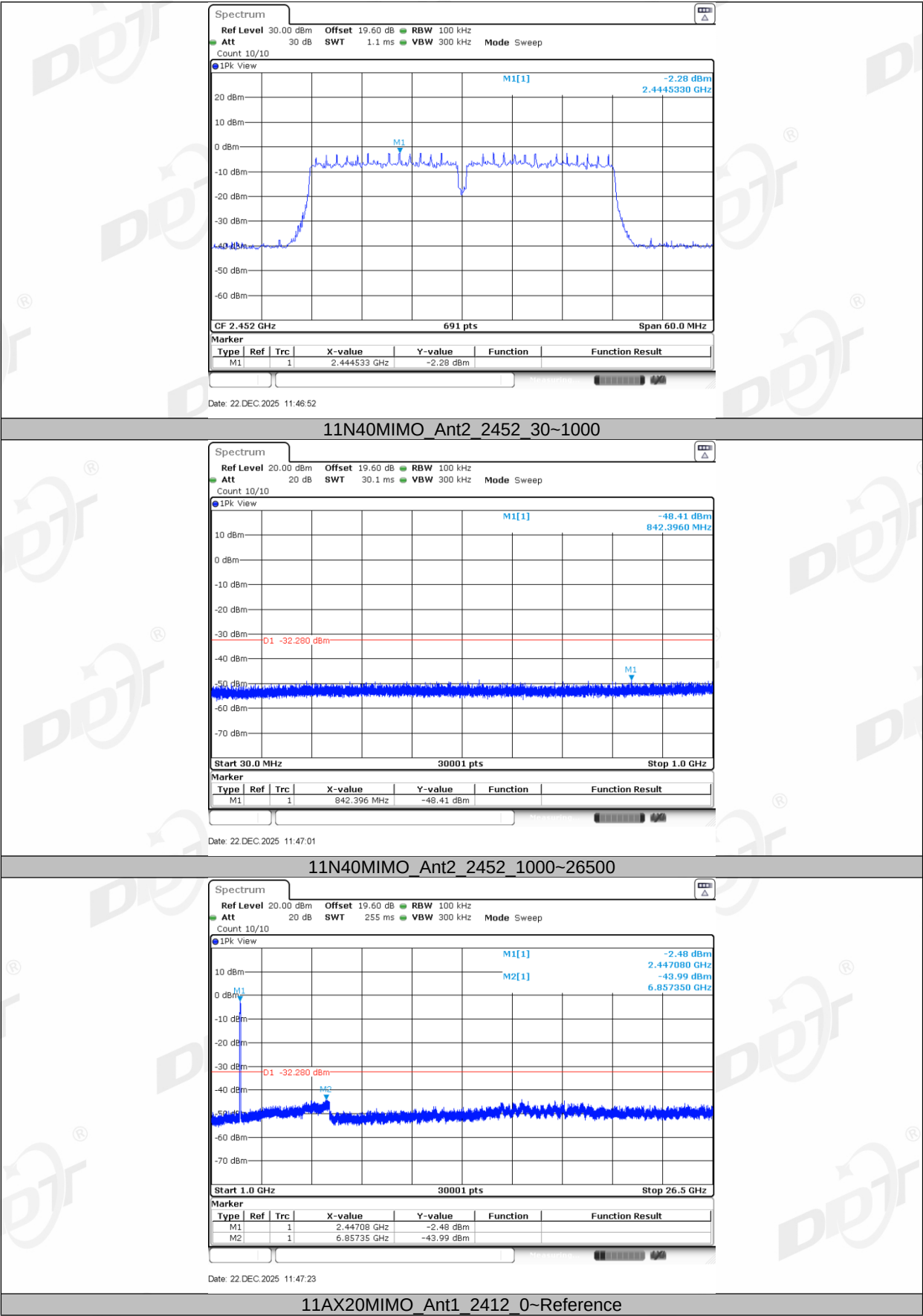


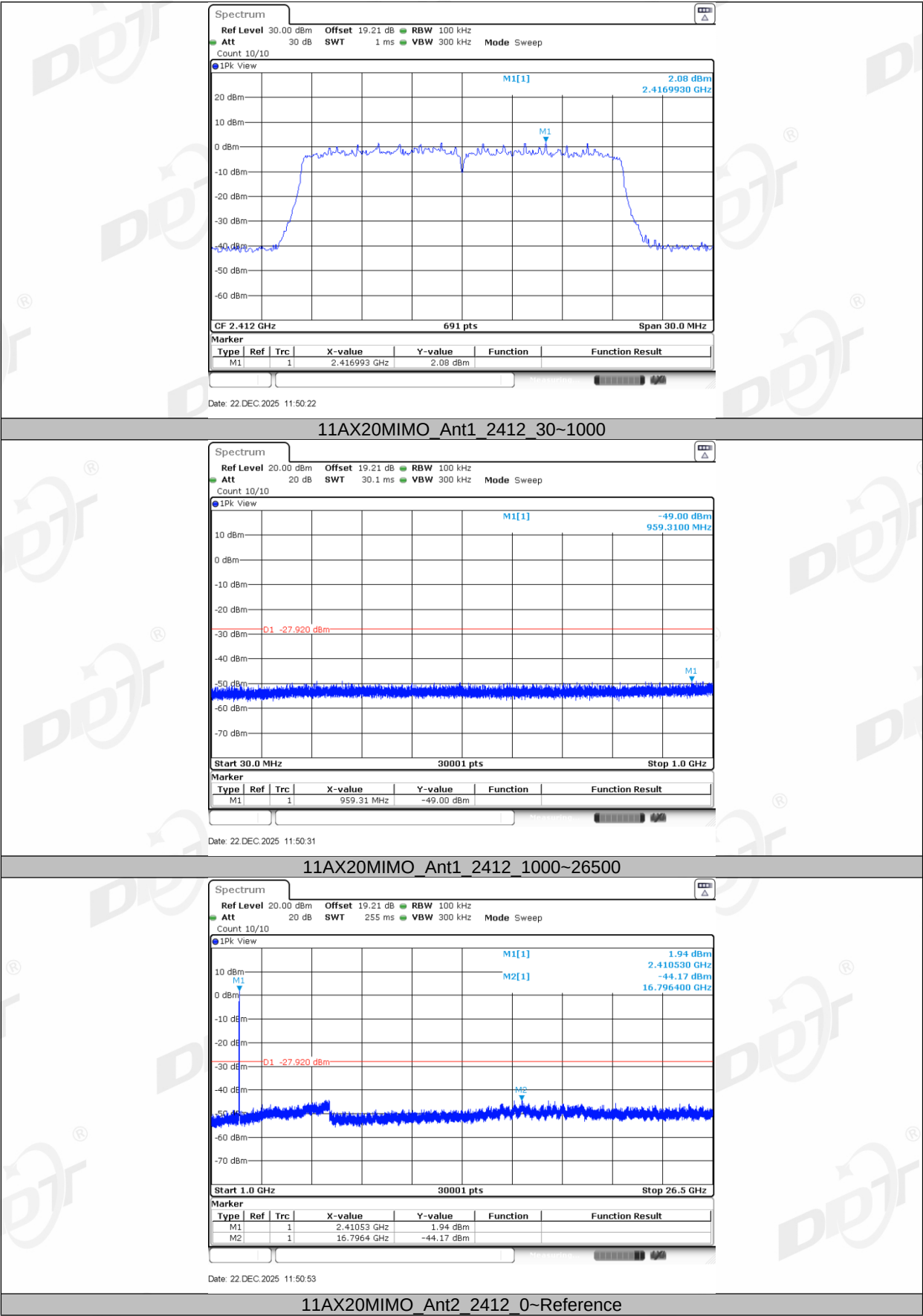


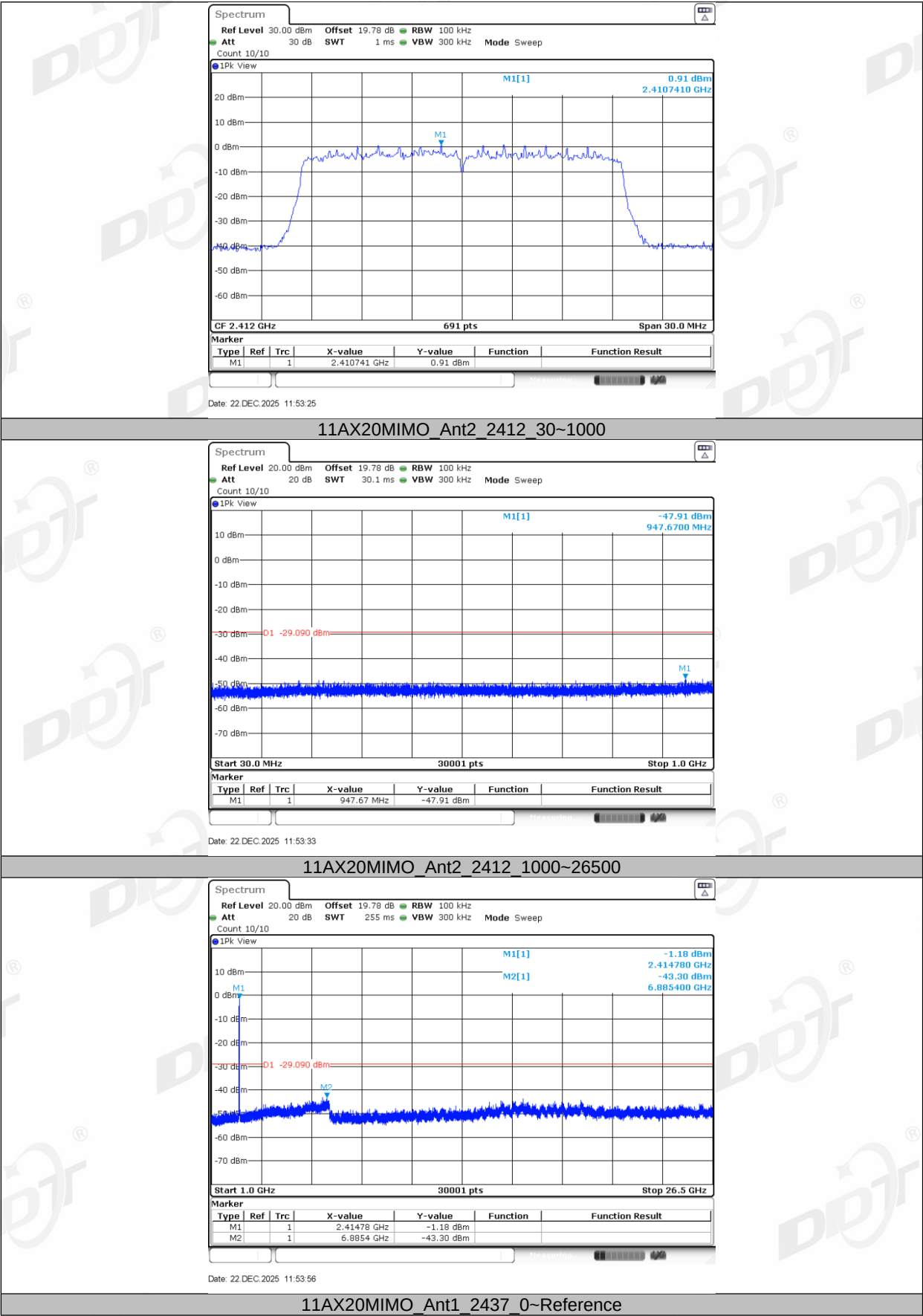


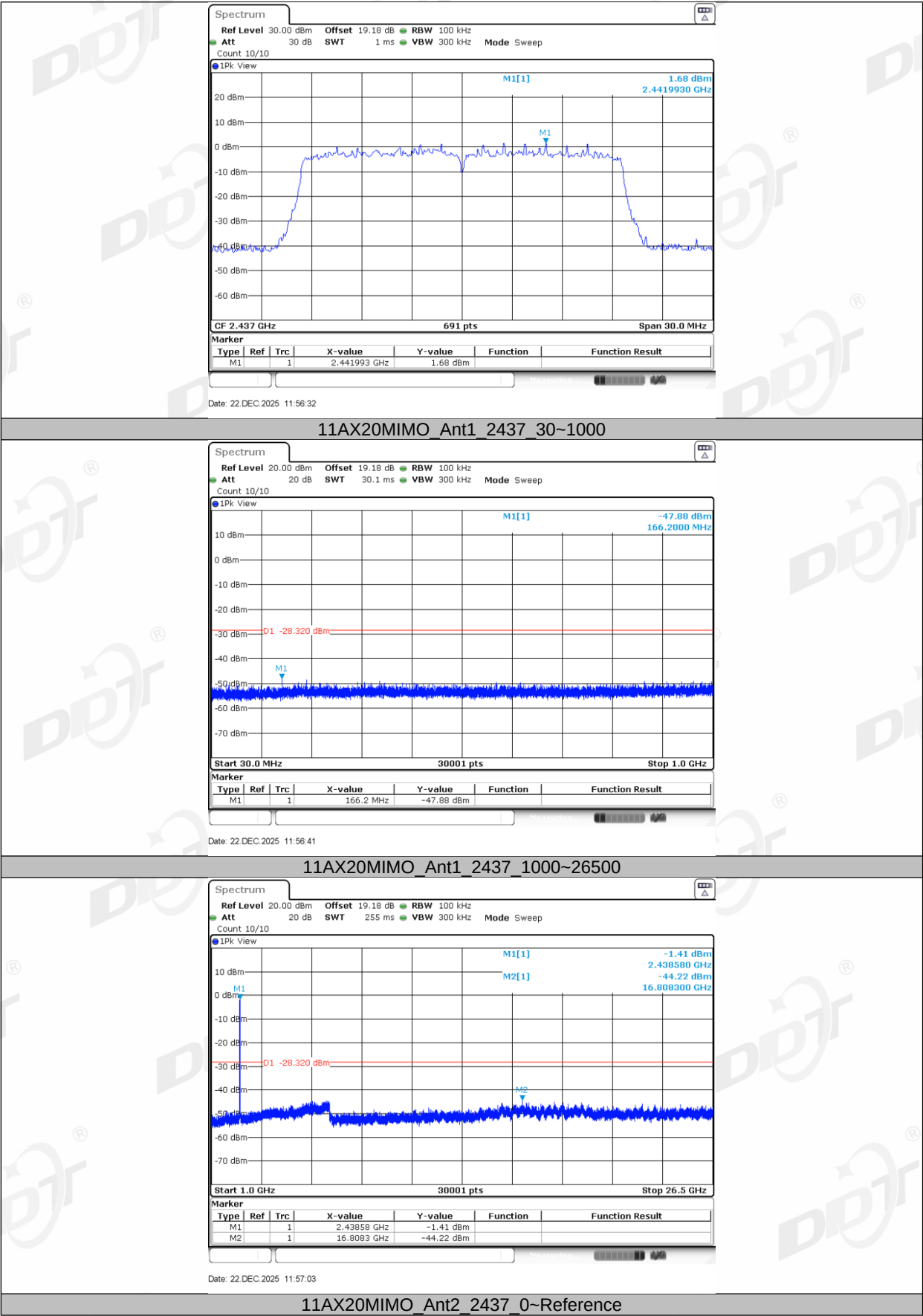


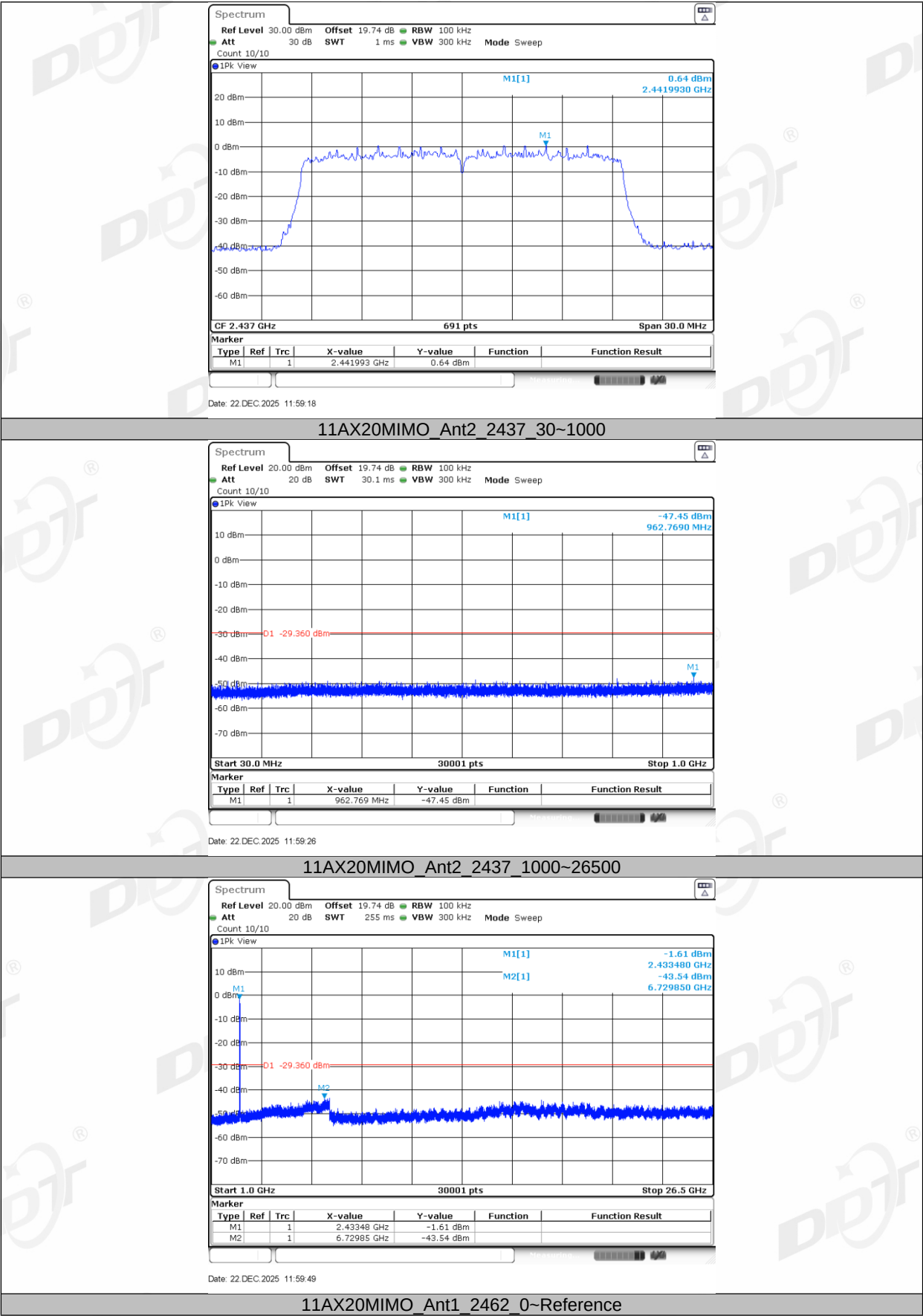


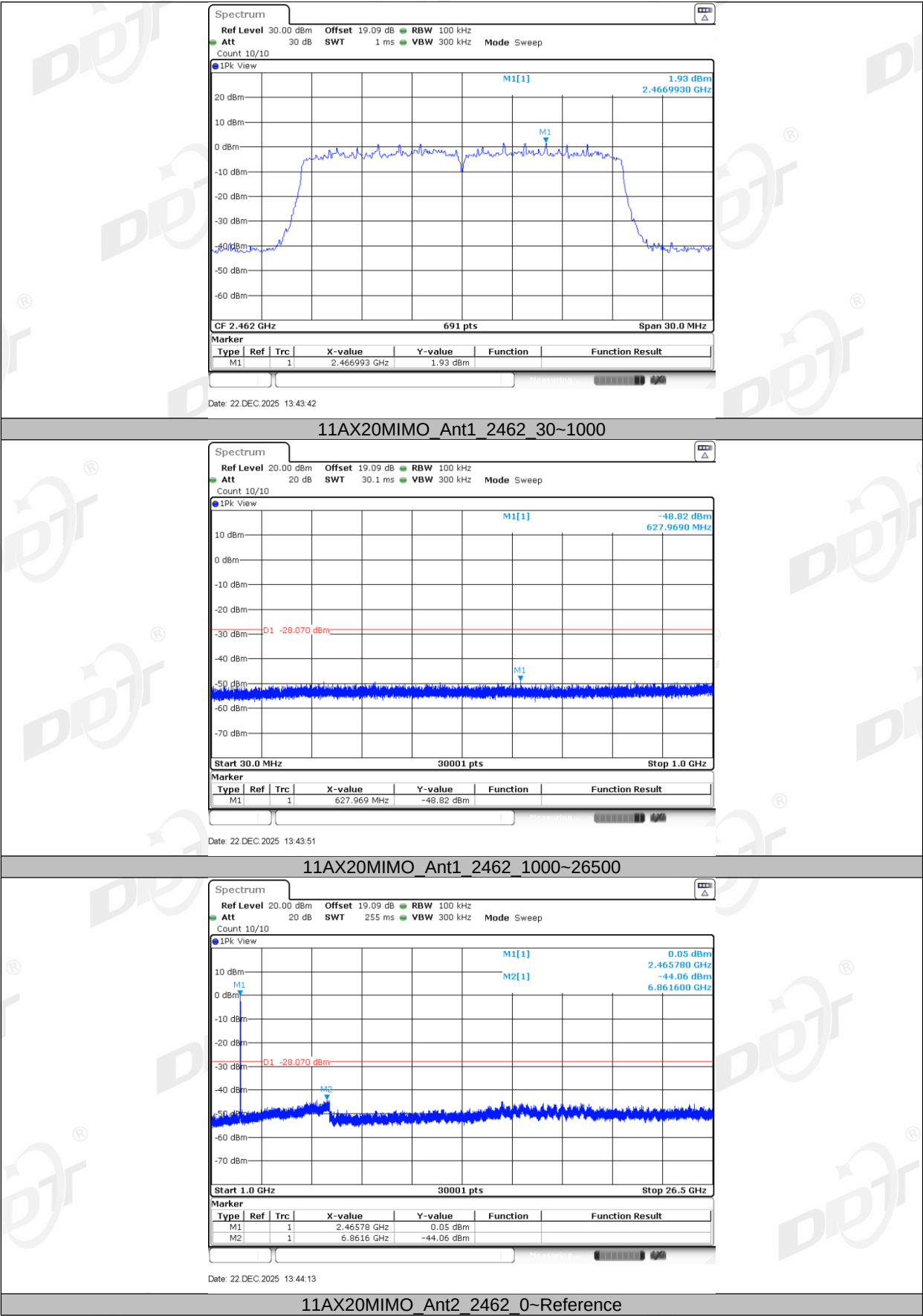


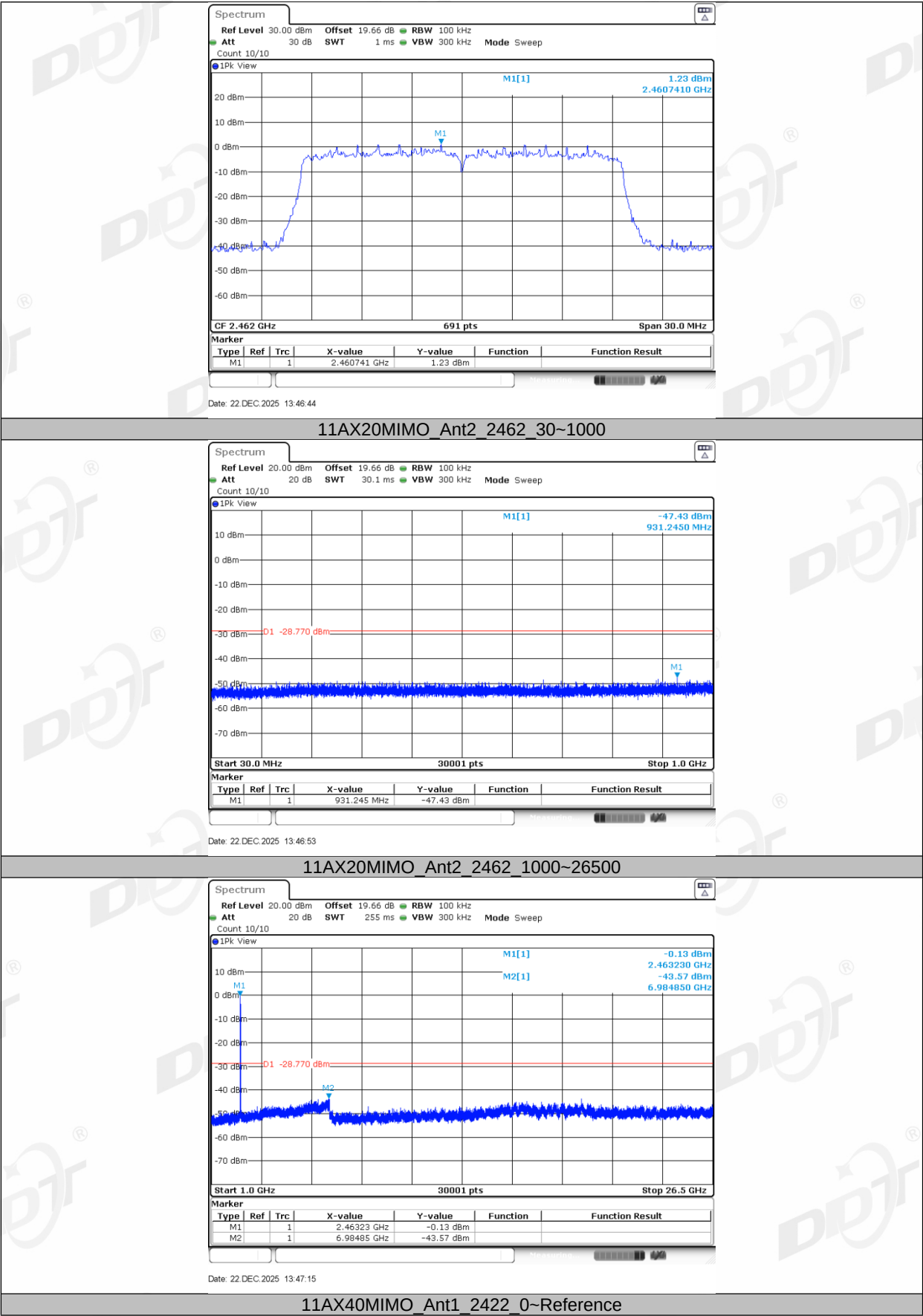


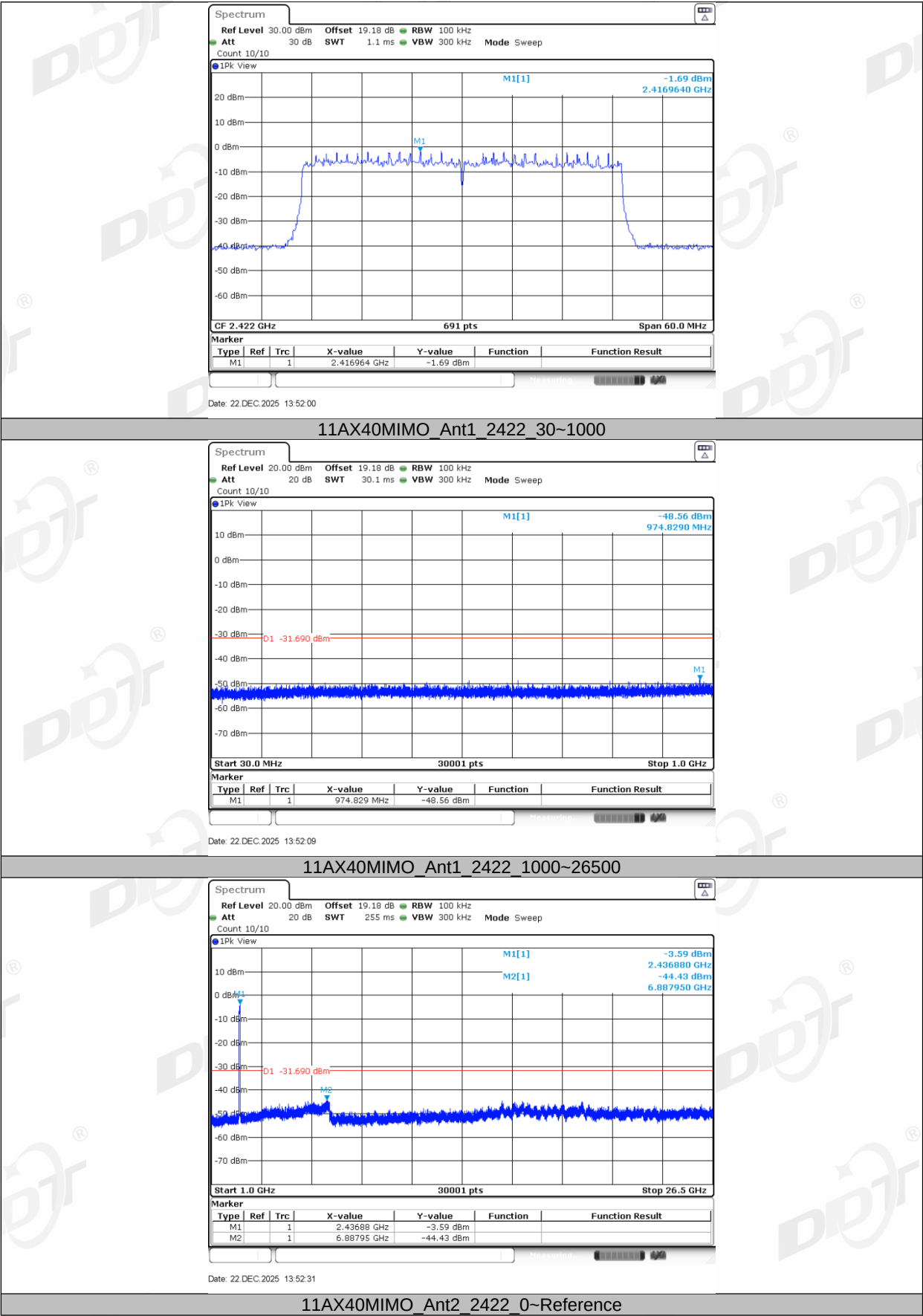


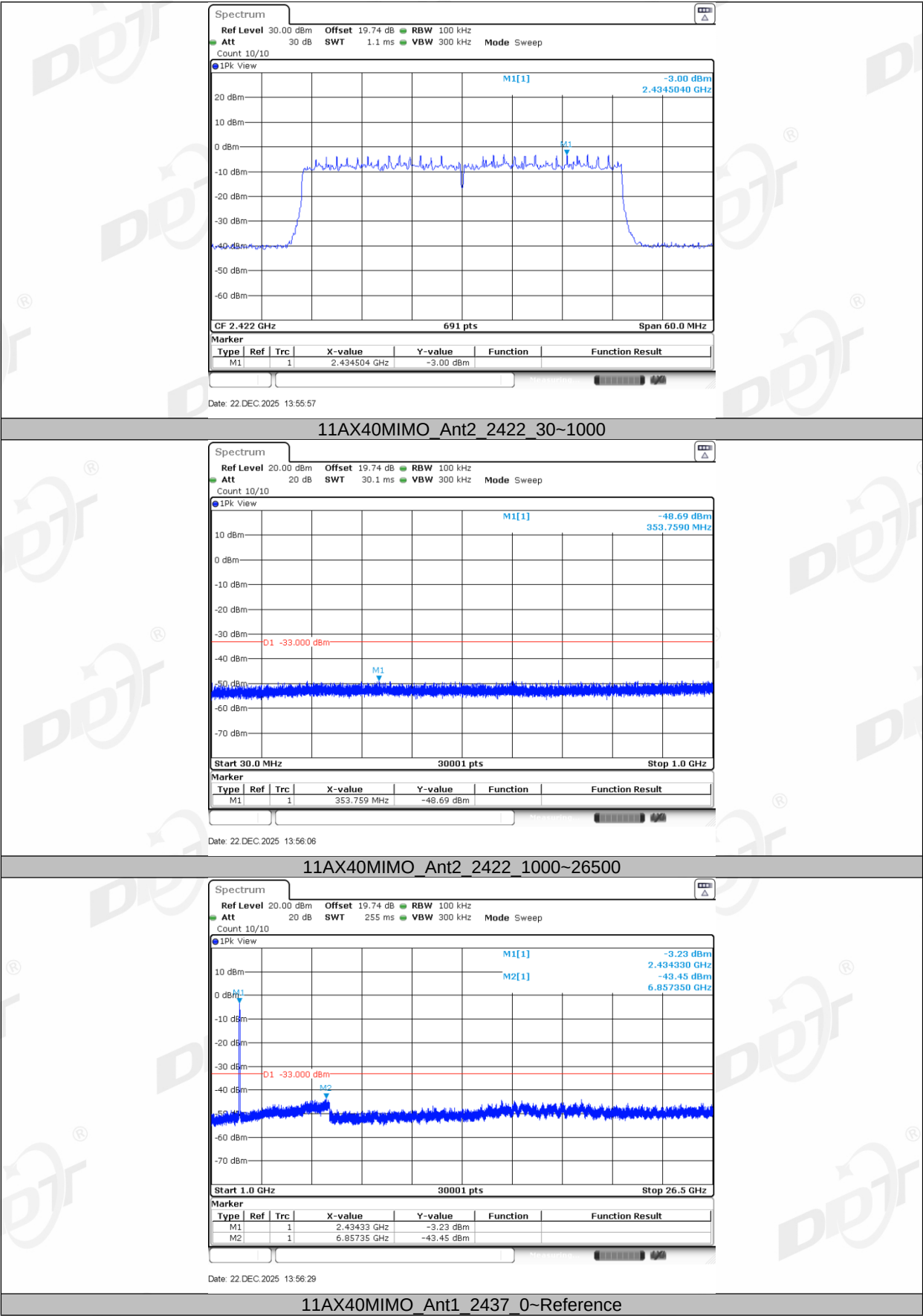


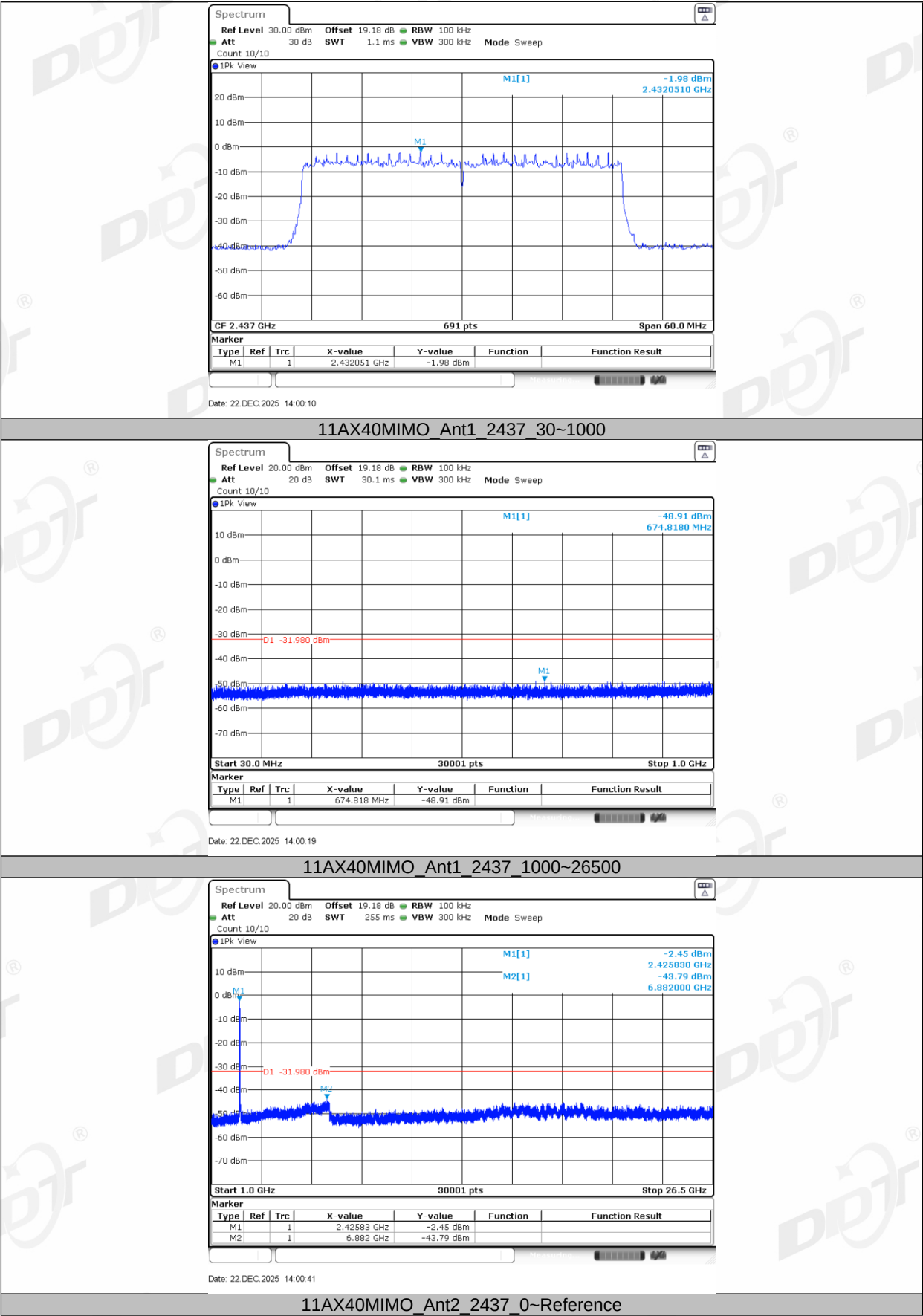


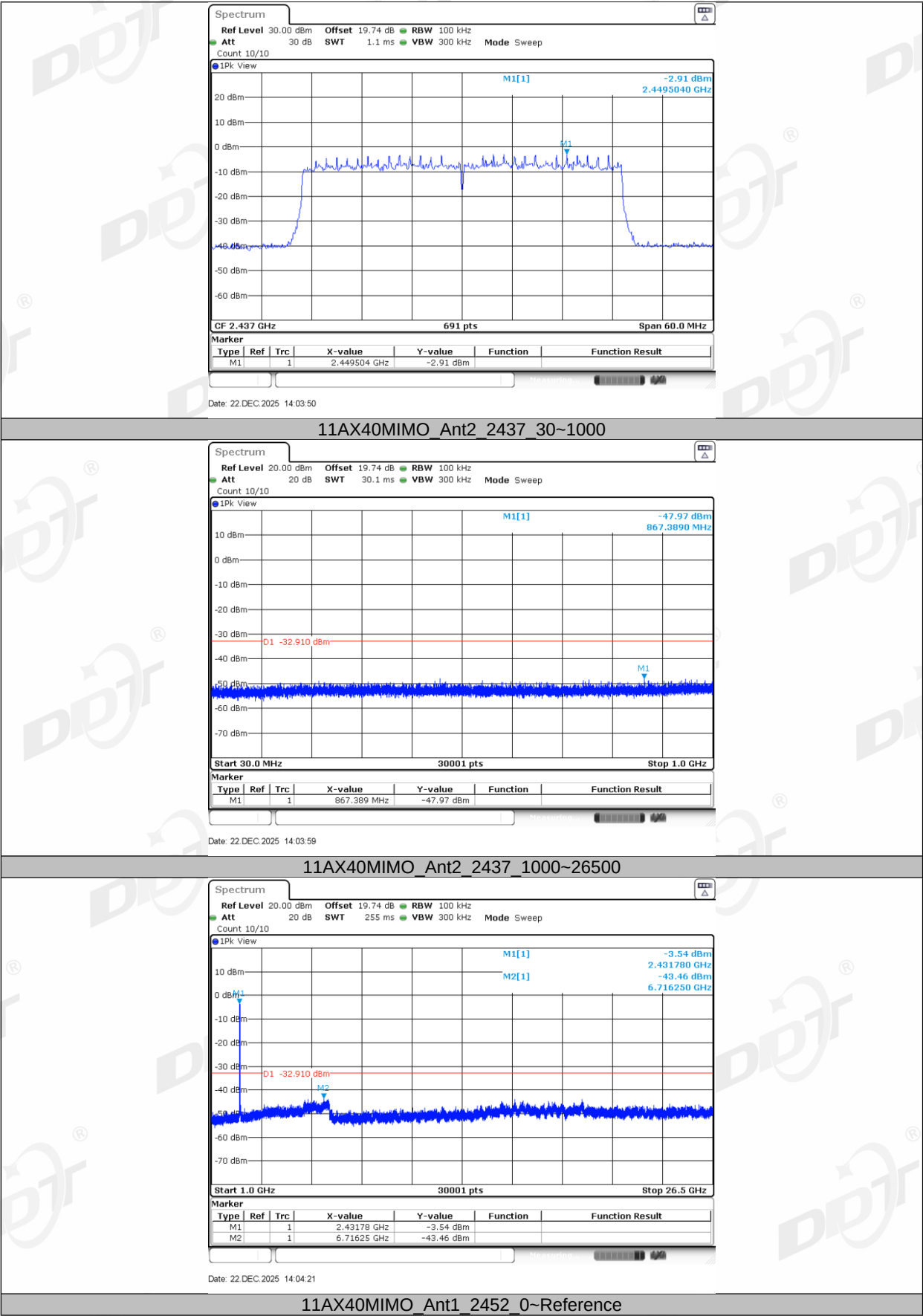


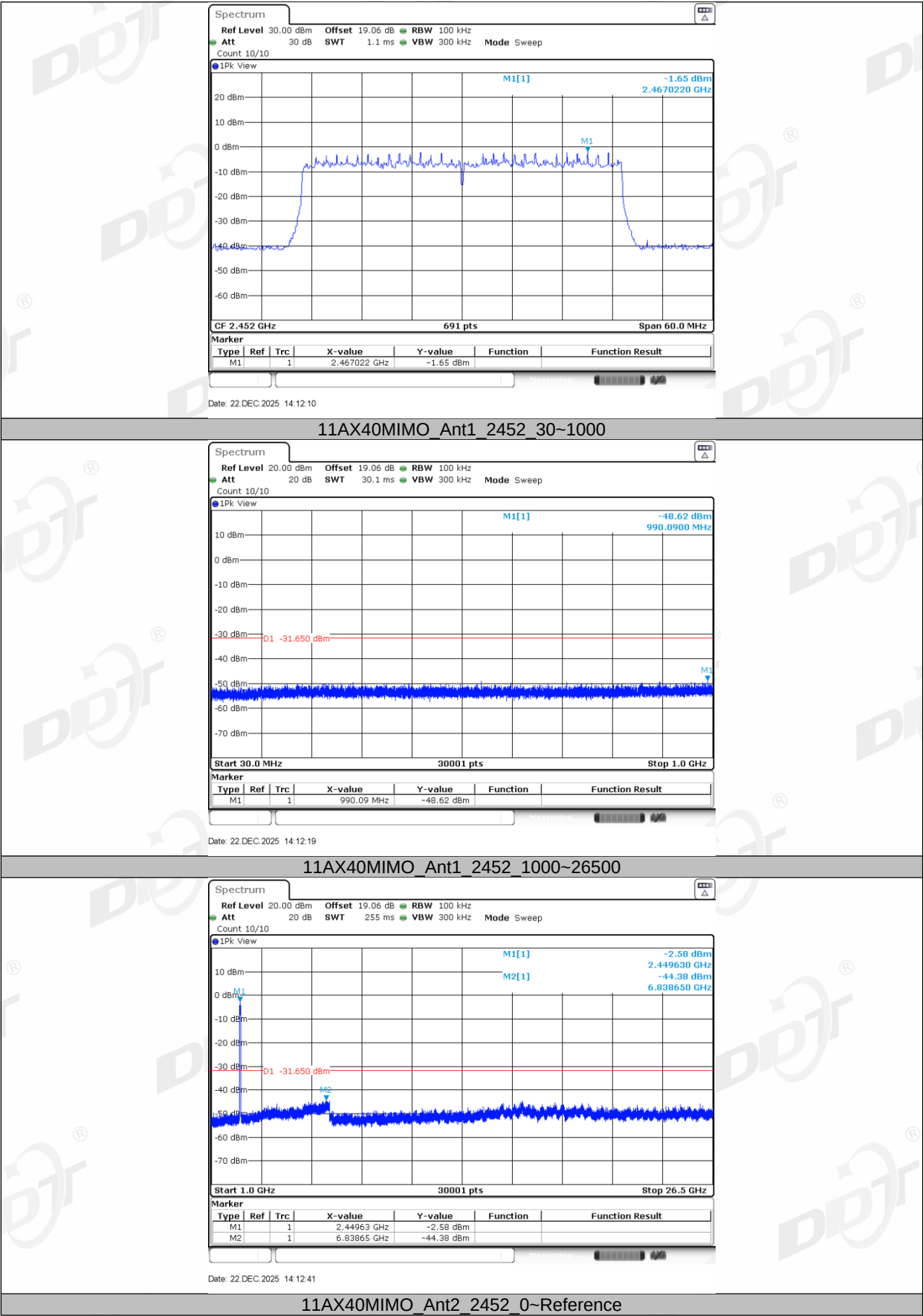


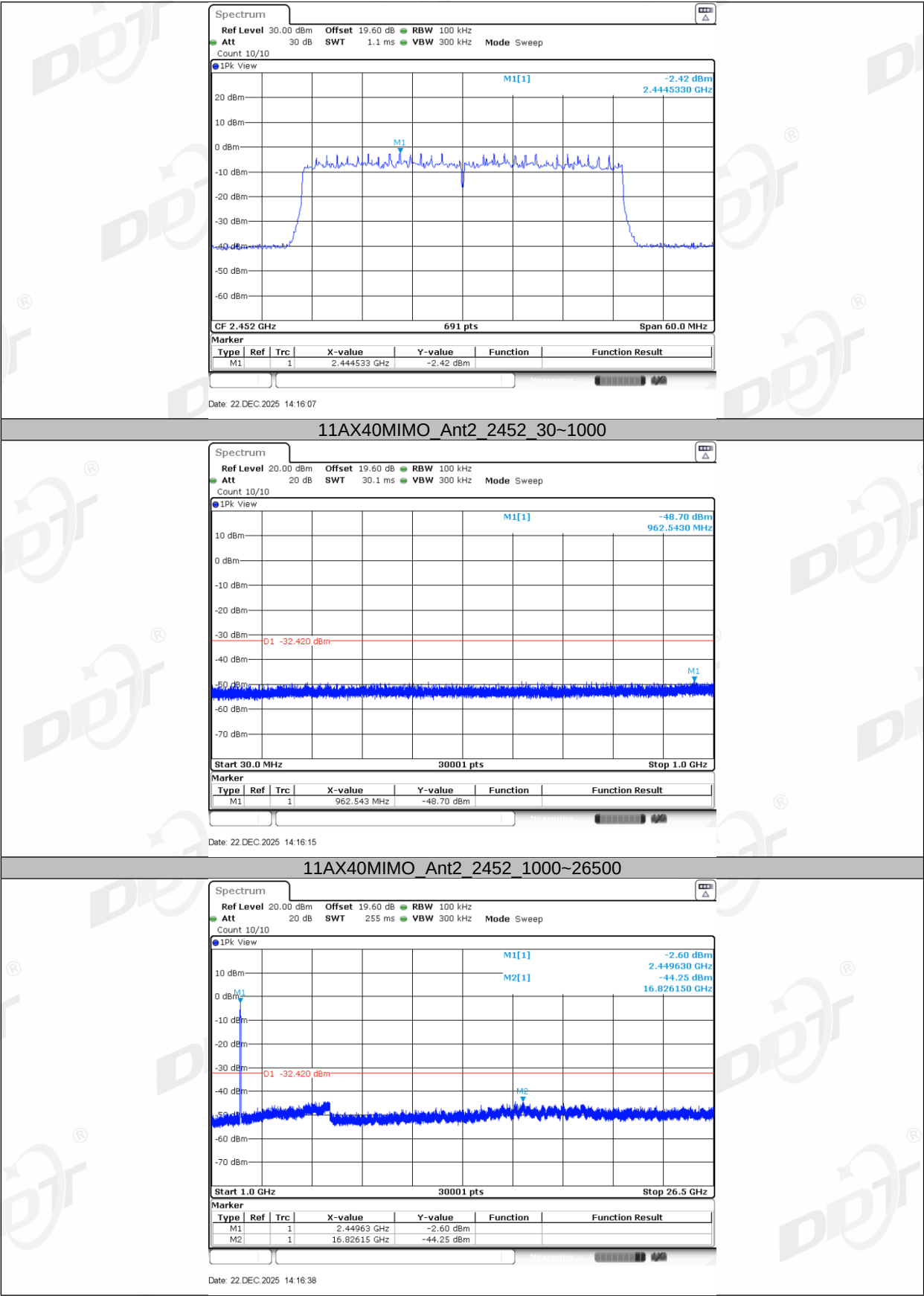






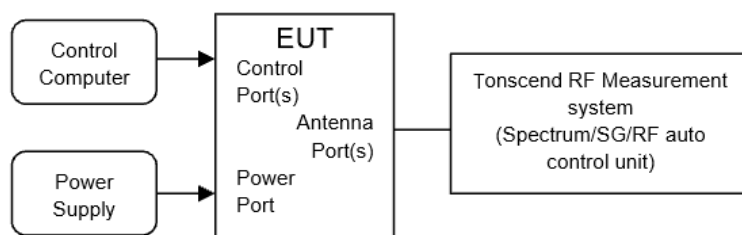






10. Duty Cycle

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

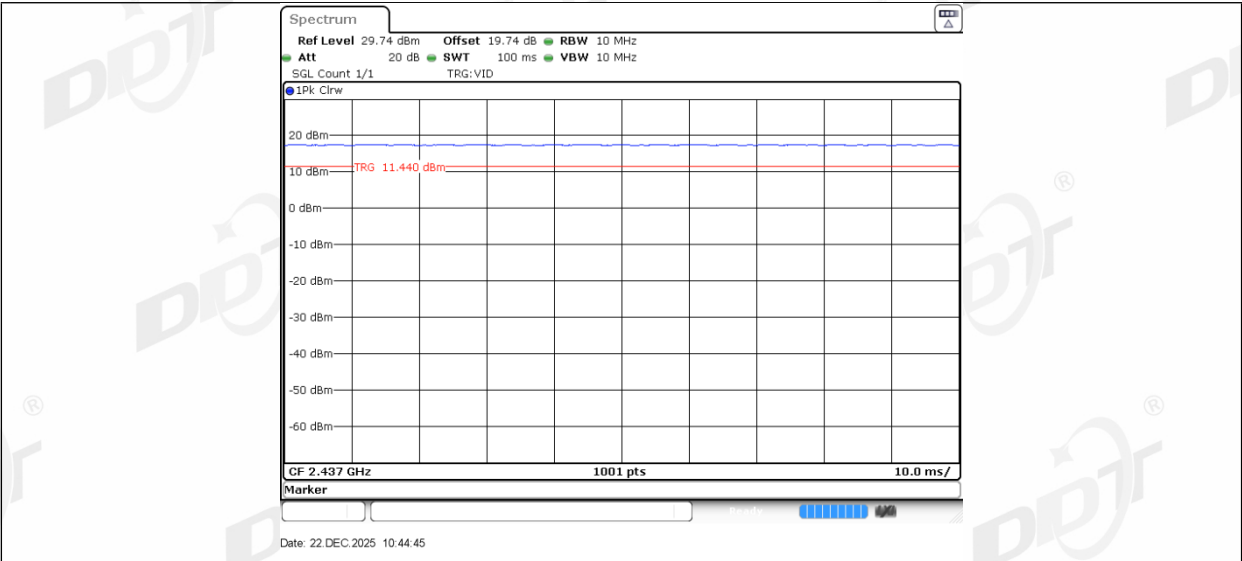
10.4. Test result

Test Engineer:	Zeng Zhongyao	Test Site:	RF Measurement System 3#
Ambient Condition:	25.2℃,38.6%RH	Test Date:	2025.12.22
Test Power Supply:	AC 120V	Sample Number:	S25120216-003

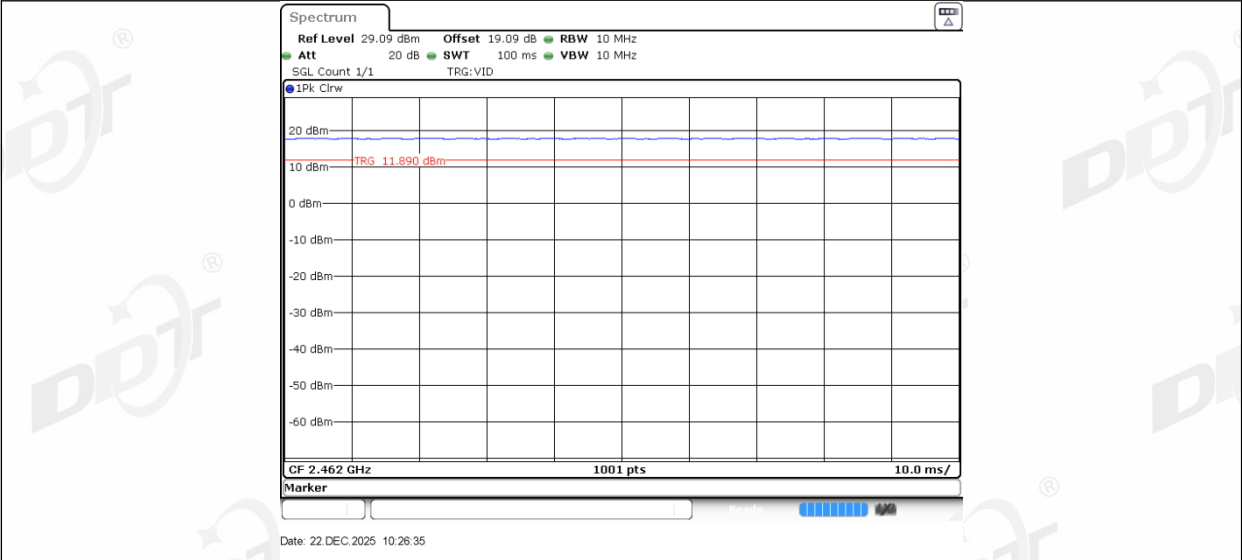
Test Mode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2412	100.00	100.00	100.00
	Ant2	2412	100.00	100.00	100.00
	Ant1	2437	100.00	100.00	100.00
	Ant2	2437	100.00	100.00	100.00
	Ant1	2462	100.00	100.00	100.00
	Ant2	2462	100.00	100.00	100.00
11G	Ant1	2412	100.00	100.00	100.00
	Ant2	2412	100.00	100.00	100.00
	Ant1	2437	100.00	100.00	100.00
	Ant2	2437	100.00	100.00	100.00
	Ant1	2462	100.00	100.00	100.00
	Ant2	2462	100.00	100.00	100.00
11N20MIMO	Ant1	2412	100.00	100.00	100.00
	Ant2	2412	100.00	100.00	100.00
	Ant1	2437	100.00	100.00	100.00
	Ant2	2437	100.00	100.00	100.00
	Ant1	2462	100.00	100.00	100.00
	Ant2	2462	100.00	100.00	100.00
11N40MIMO	Ant1	2422	100.00	100.00	100.00
	Ant2	2422	100.00	100.00	100.00
	Ant1	2437	100.00	100.00	100.00
	Ant2	2437	100.00	100.00	100.00
	Ant1	2452	100.00	100.00	100.00
	Ant2	2452	100.00	100.00	100.00
11AX20MIMO	Ant1	2412	100.00	100.00	100.00
	Ant2	2412	100.00	100.00	100.00
	Ant1	2437	100.00	100.00	100.00
	Ant2	2437	100.00	100.00	100.00
	Ant1	2462	100.00	100.00	100.00
	Ant2	2462	100.00	100.00	100.00
11AX40MIMO	Ant1	2422	100.00	100.00	100.00
	Ant2	2422	100.00	100.00	100.00
	Ant1	2437	100.00	100.00	100.00
	Ant2	2437	100.00	100.00	100.00
	Ant1	2452	100.00	100.00	100.00
	Ant2	2452	100.00	100.00	100.00

10.5. Test graphs

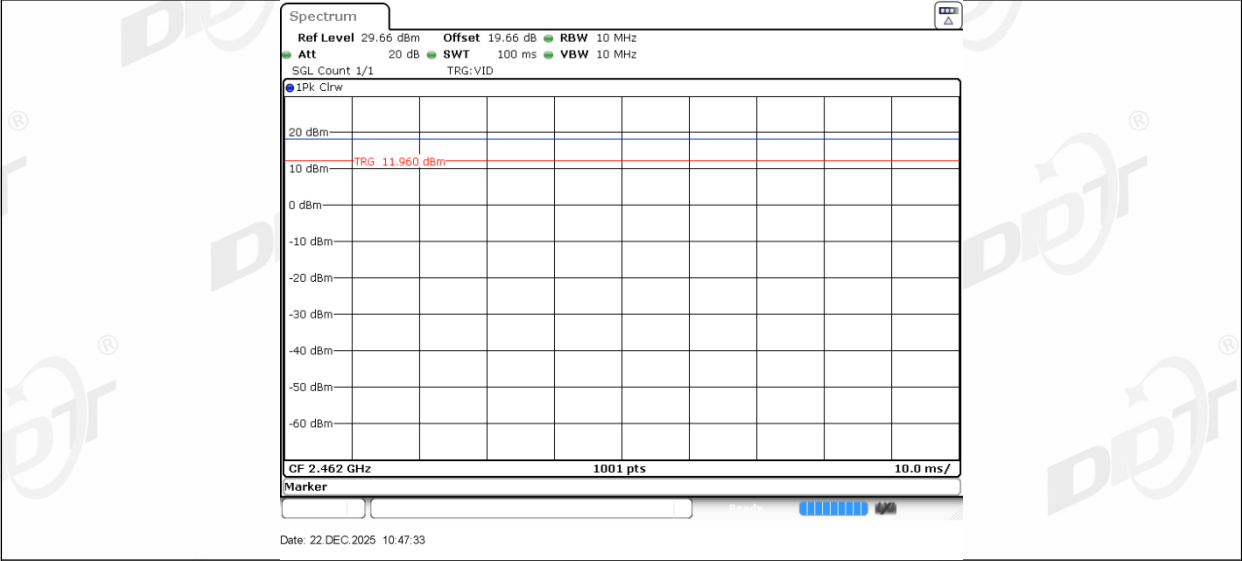




11B_Ant1_2462



11B_Ant2_2462

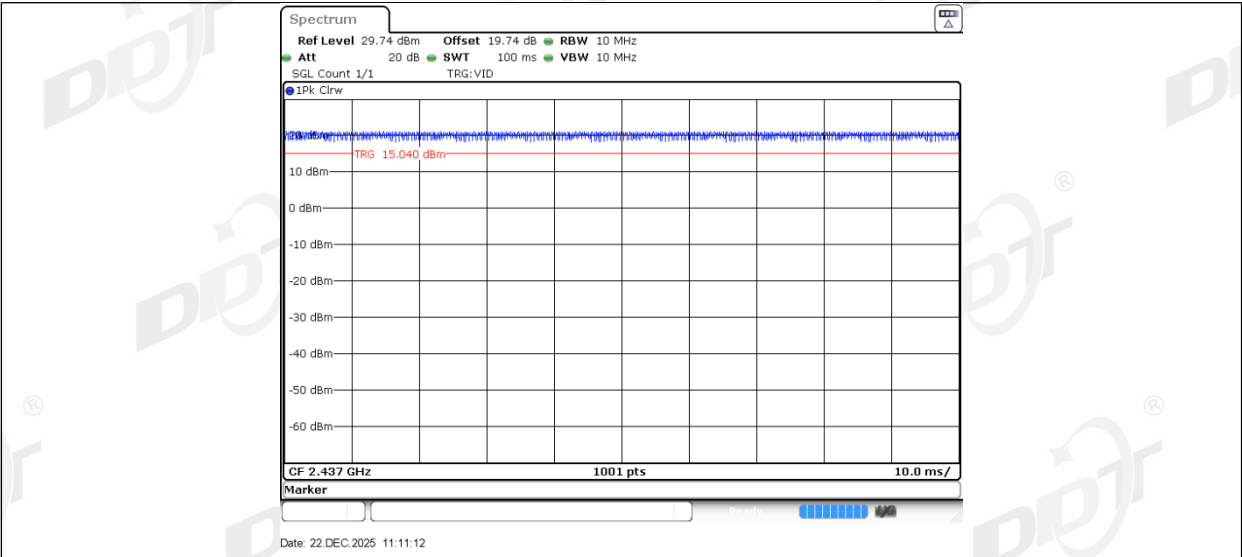


11G_Ant1_2412

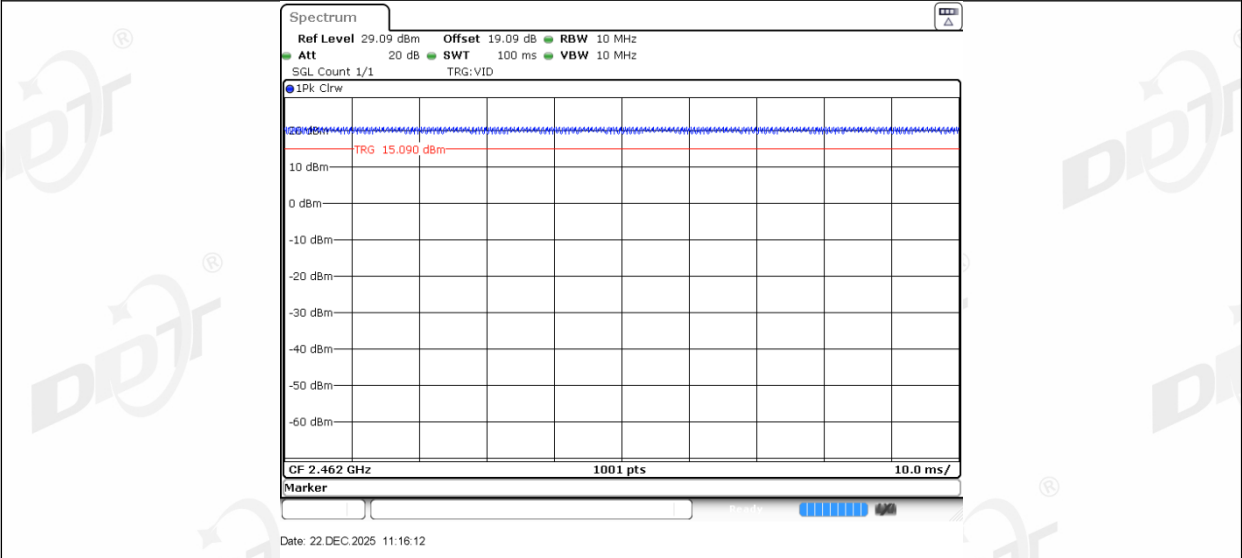




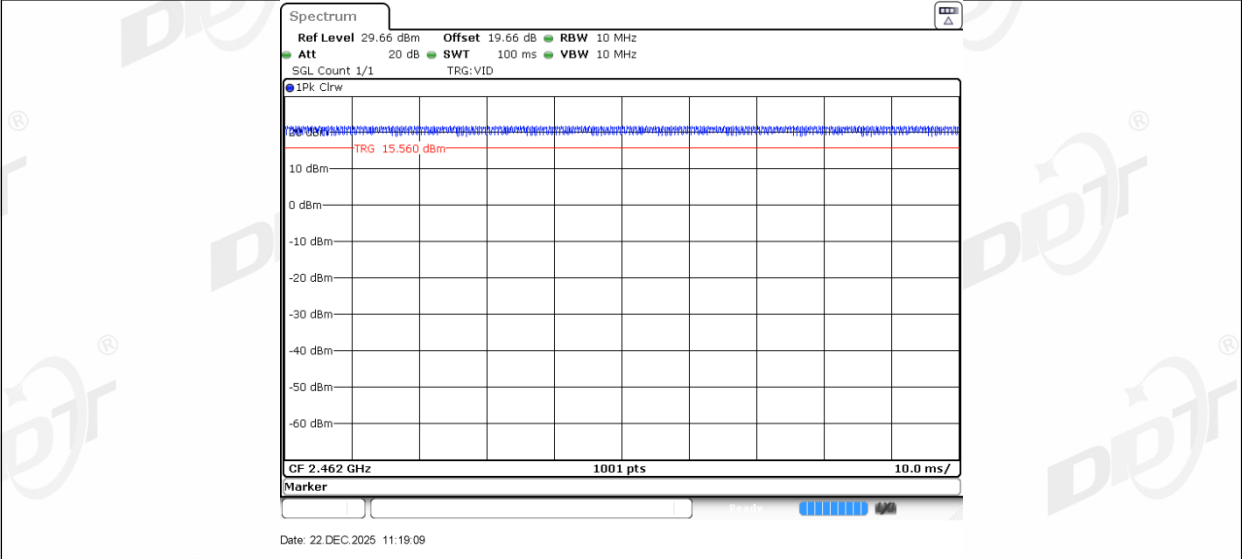




11N20MIMO_Ant1_2462



11N20MIMO_Ant2_2462

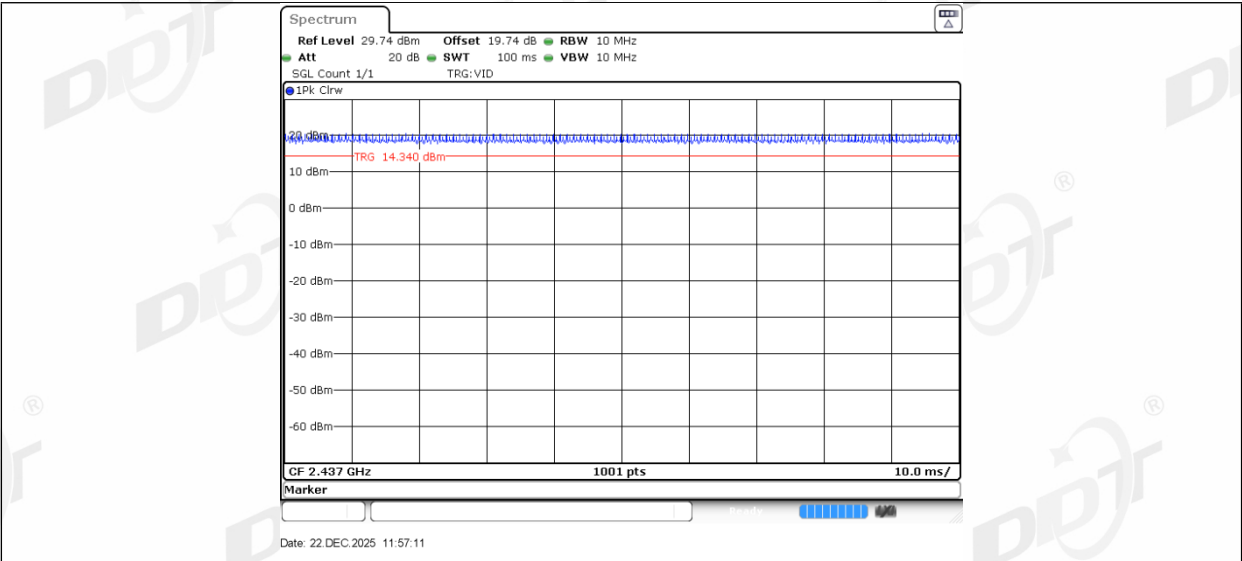


11N40MIMO_Ant1_2422

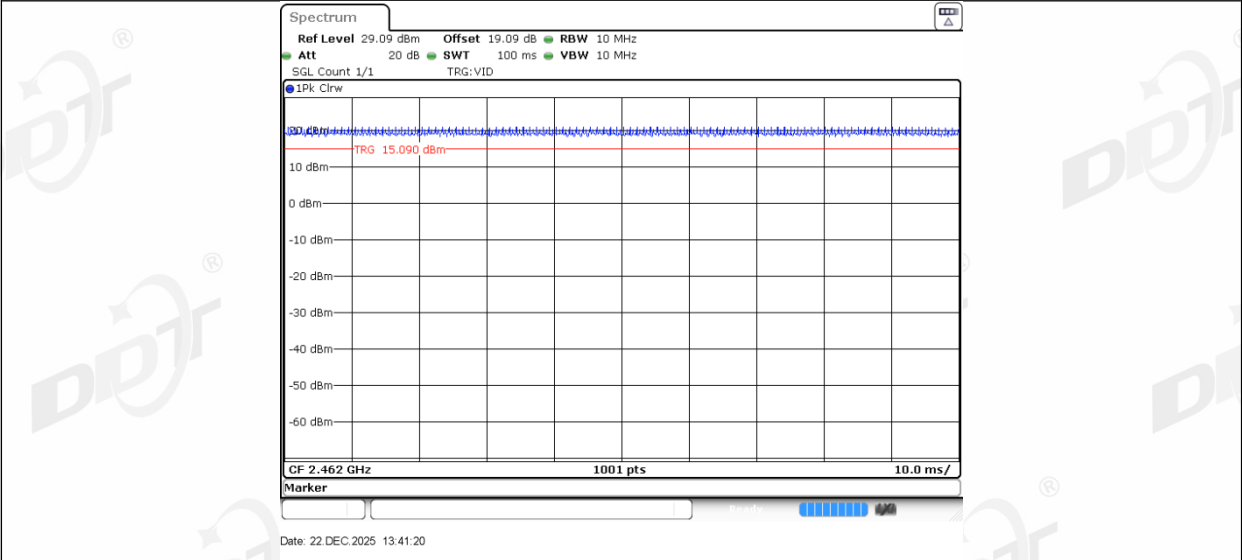




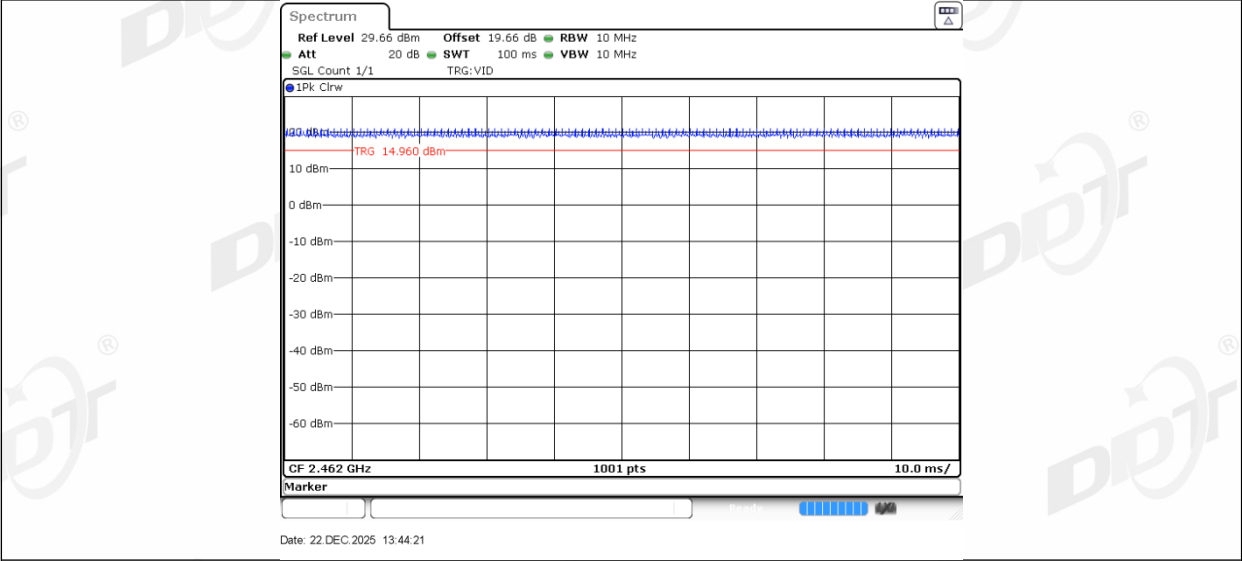




11AX20MIMO_Ant1_2462



11AX20MIMO_Ant2_2462



11AX40MIMO_Ant1_2422





11. Antenna Requirements

11.1. Limit

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For intentional device, according to RSS-Gen issue 5 section 6.8.

The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. for transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list.

11.2. Result

The antenna used for this product as Antenna information described in section 2.1 of the report, and there is no other antenna than that furnished by the responsible party shall be used with the device.