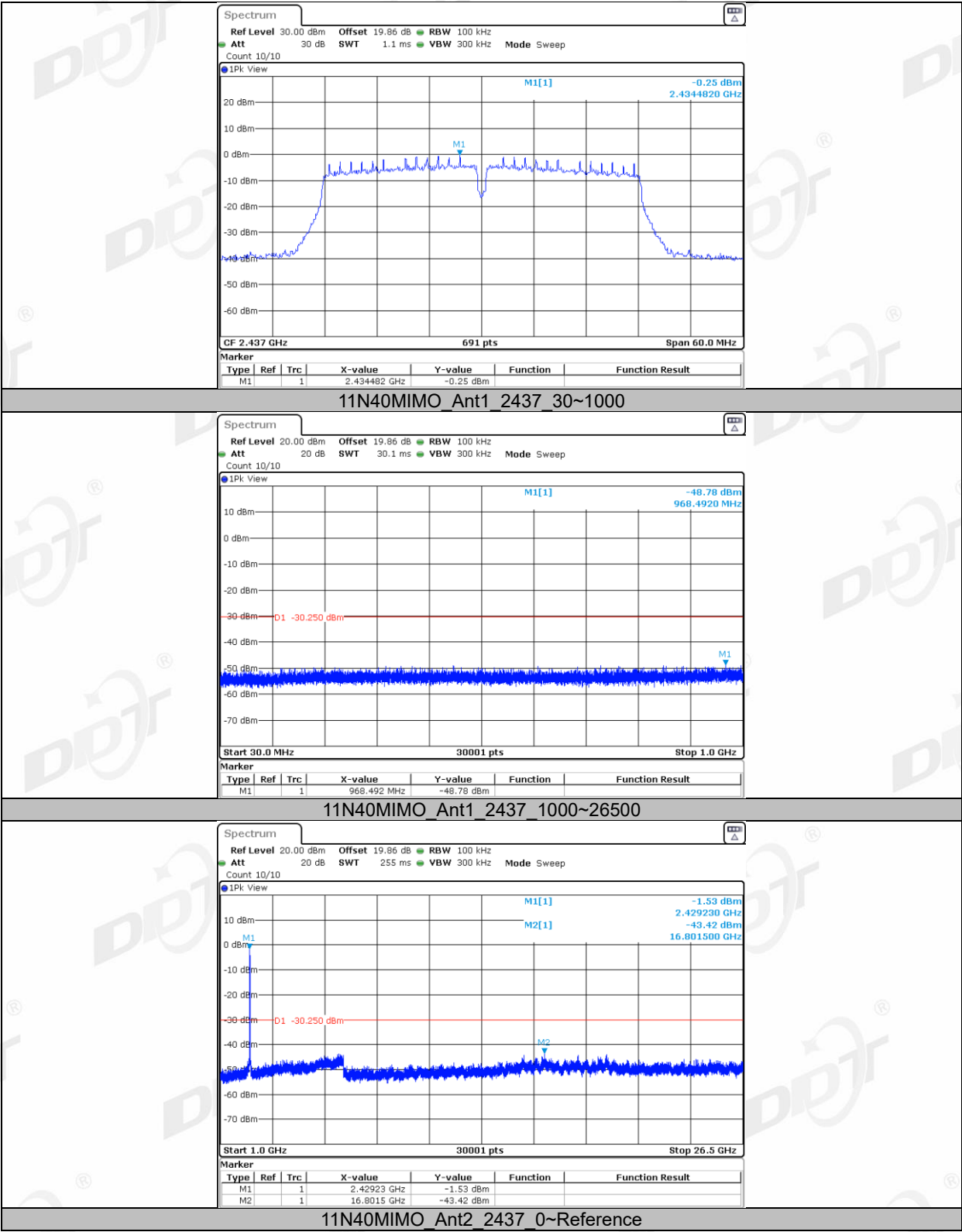
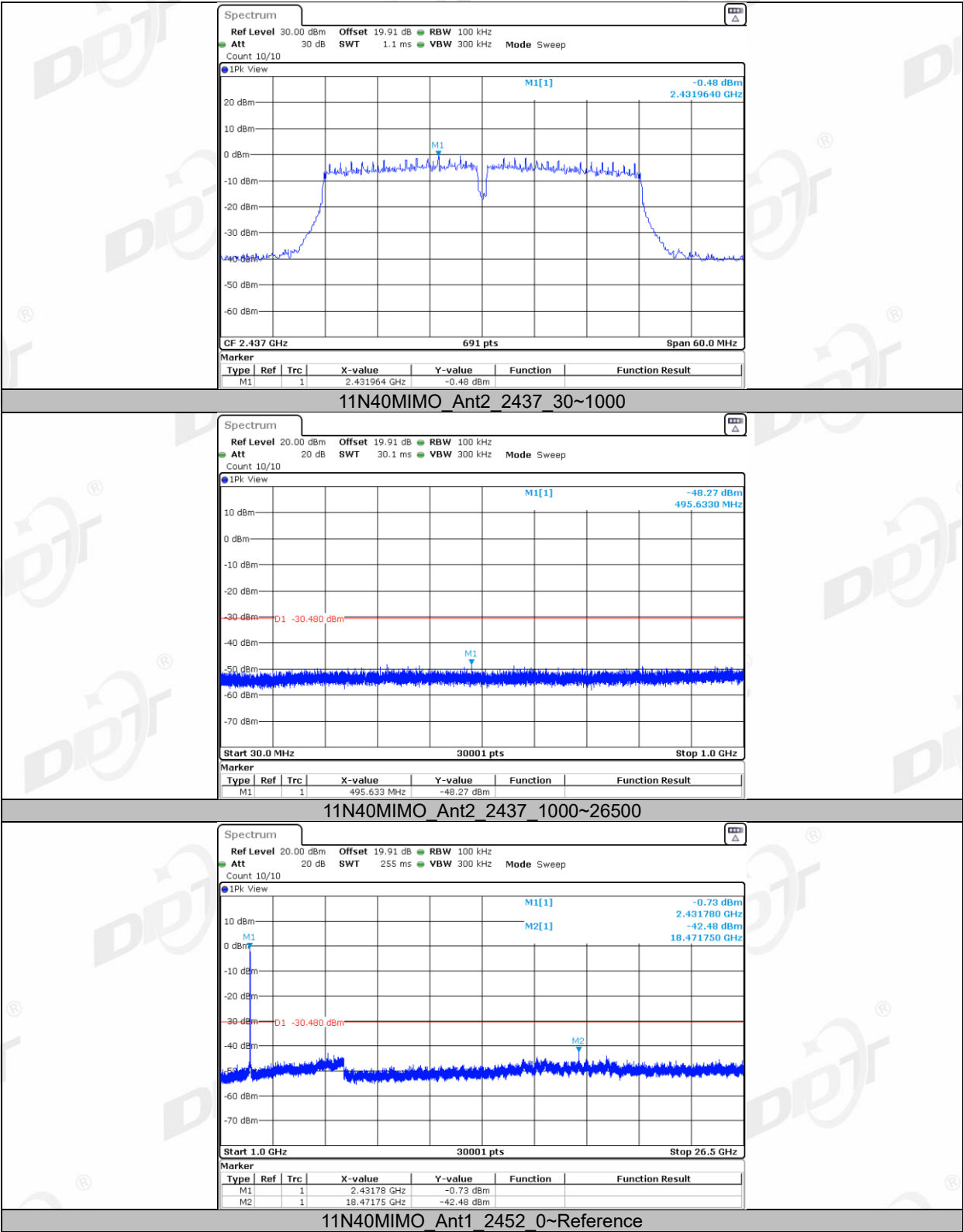
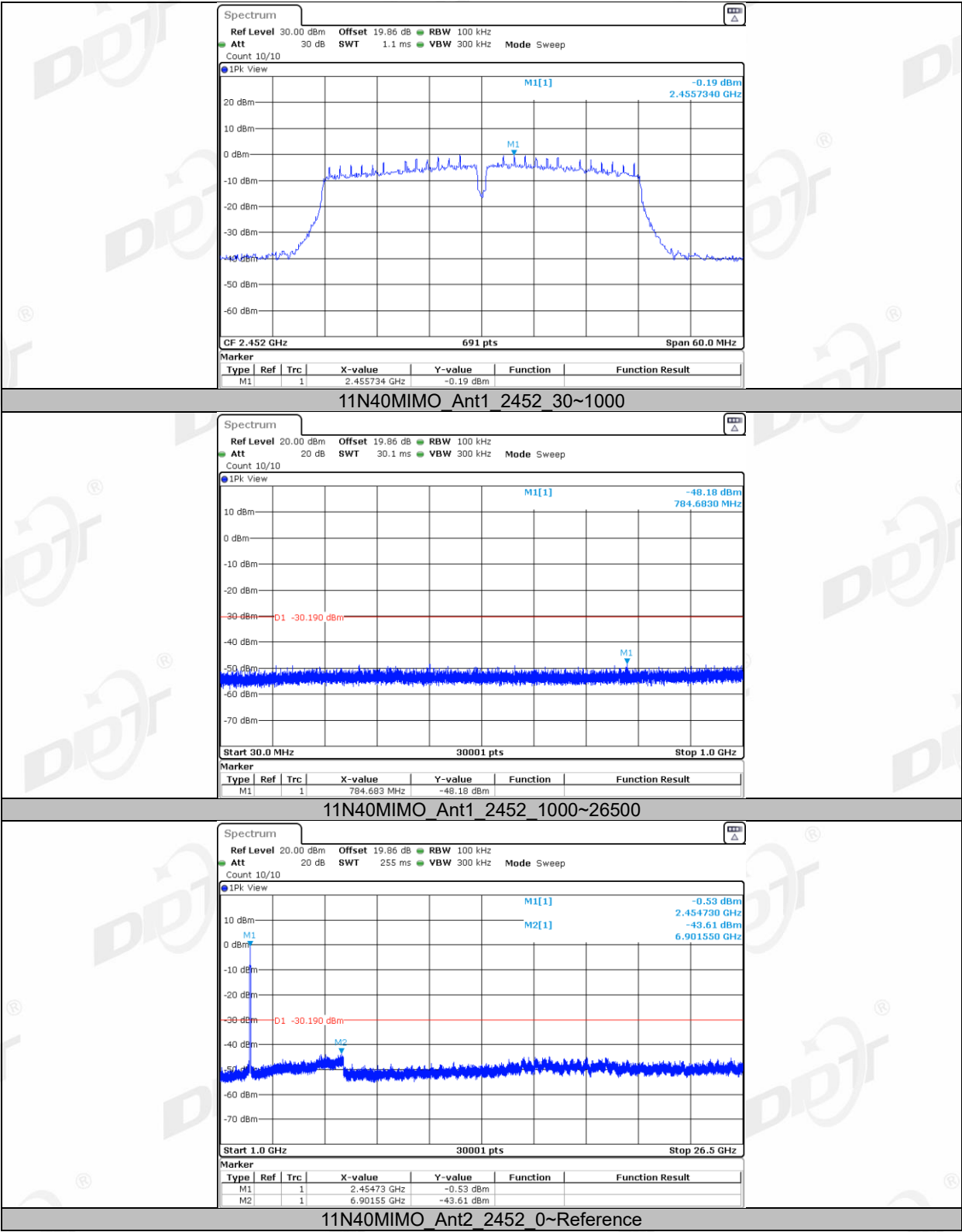
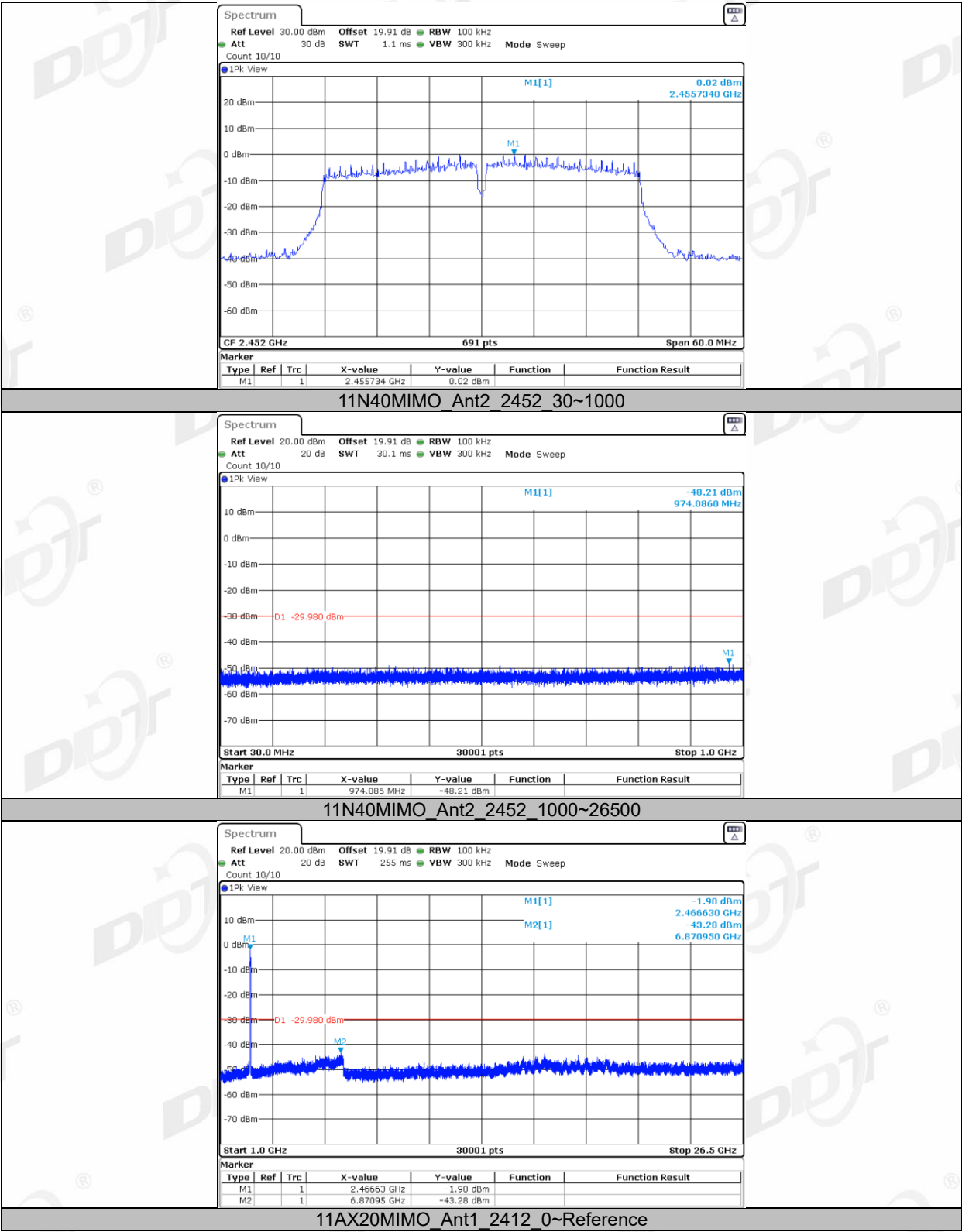
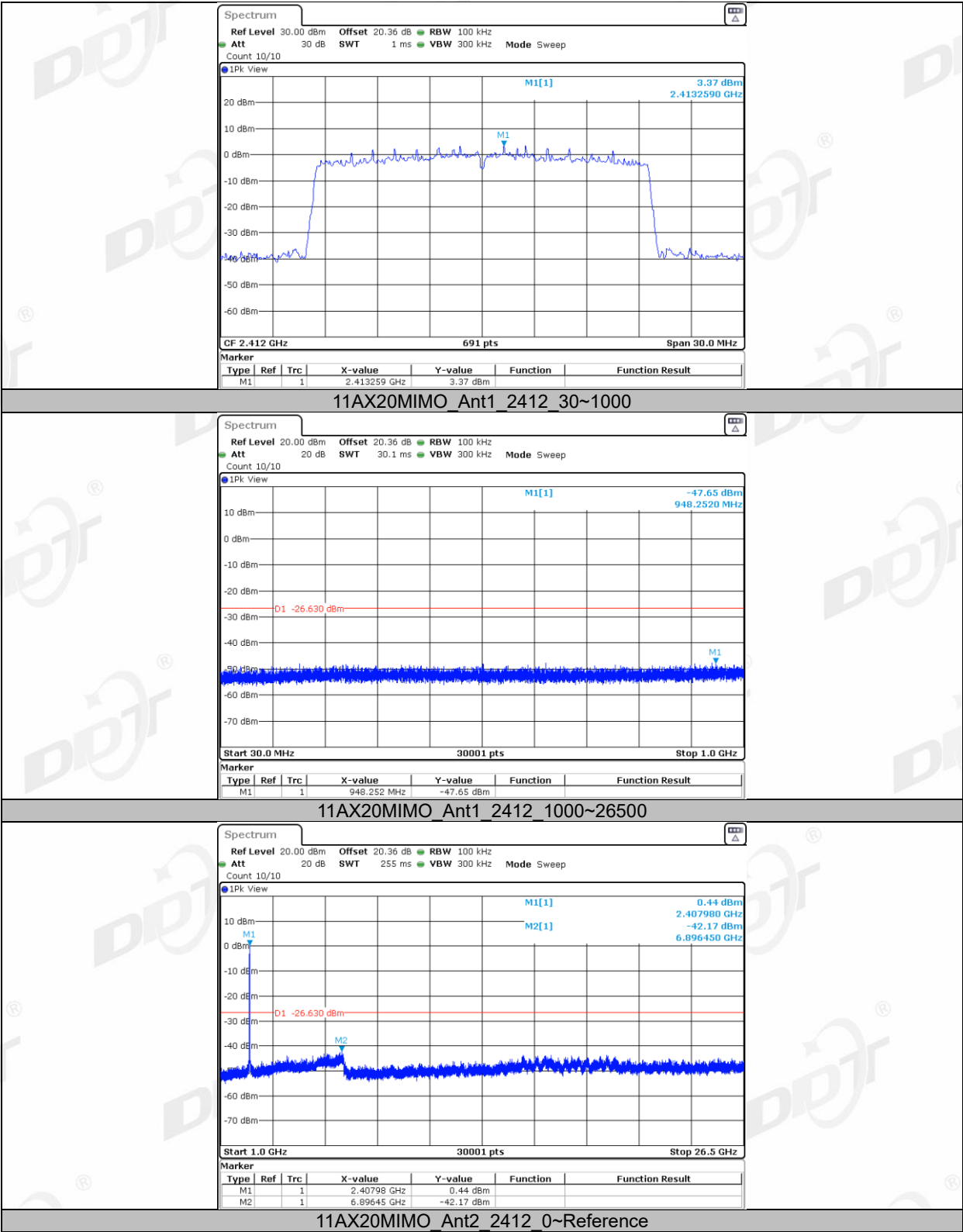


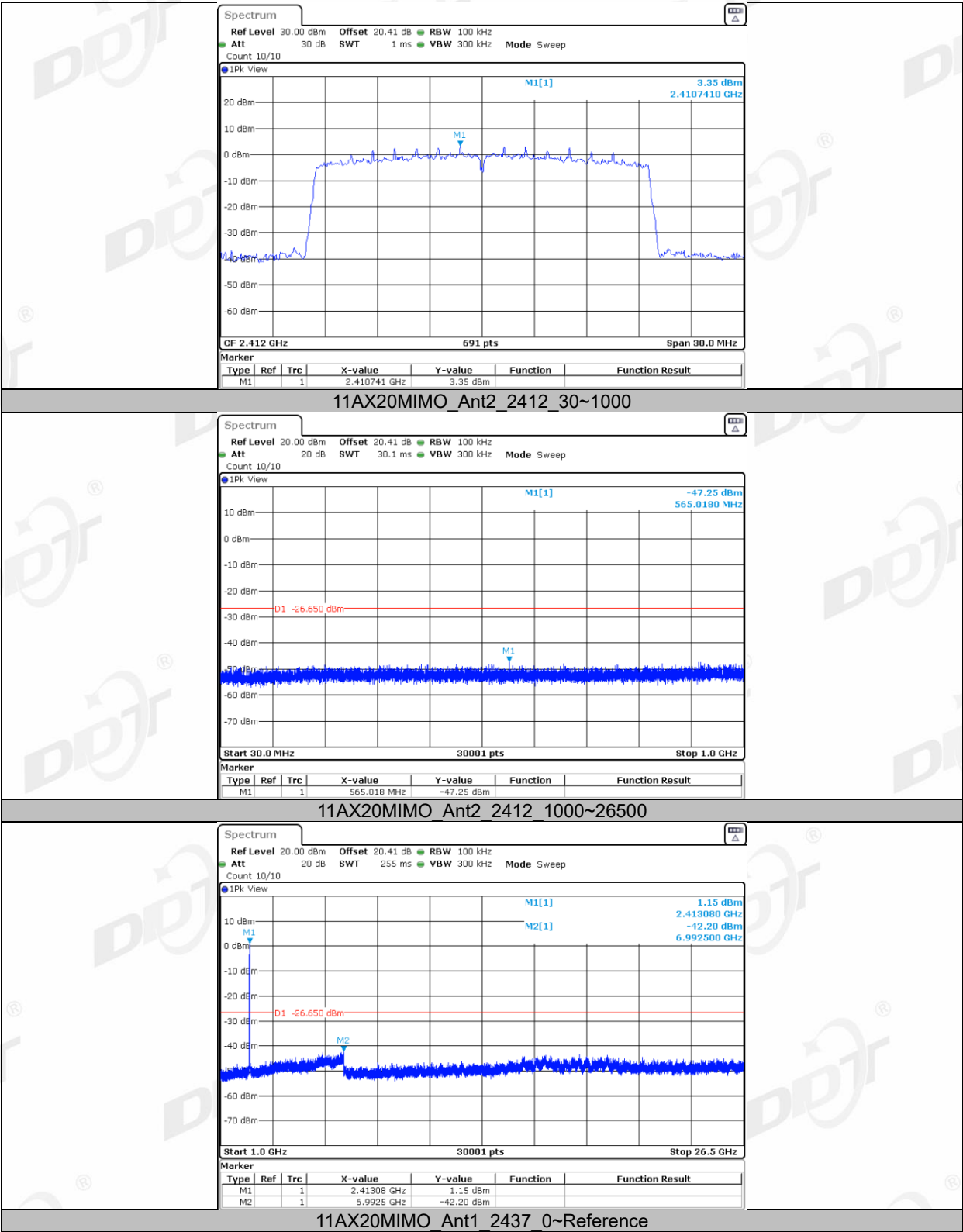


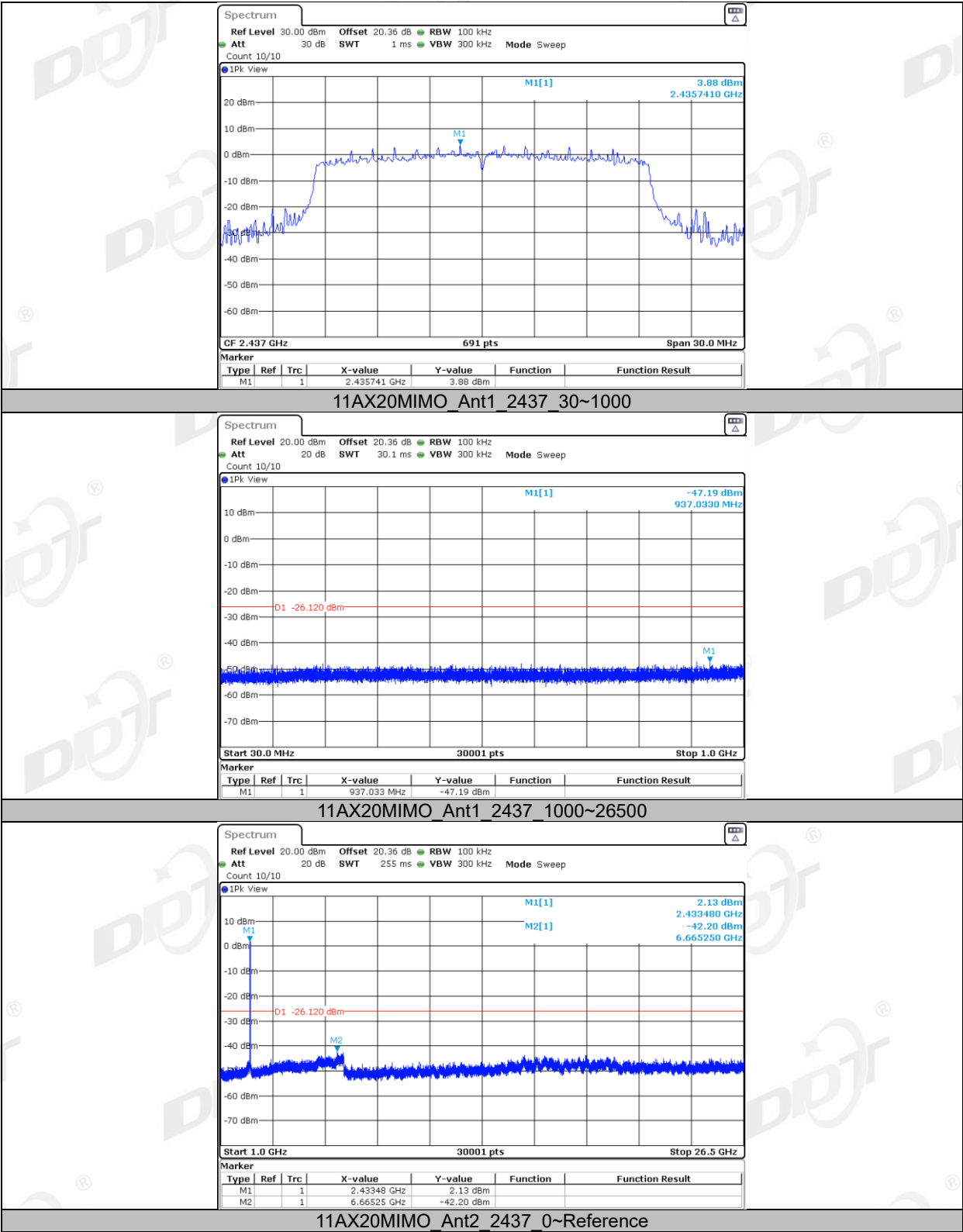


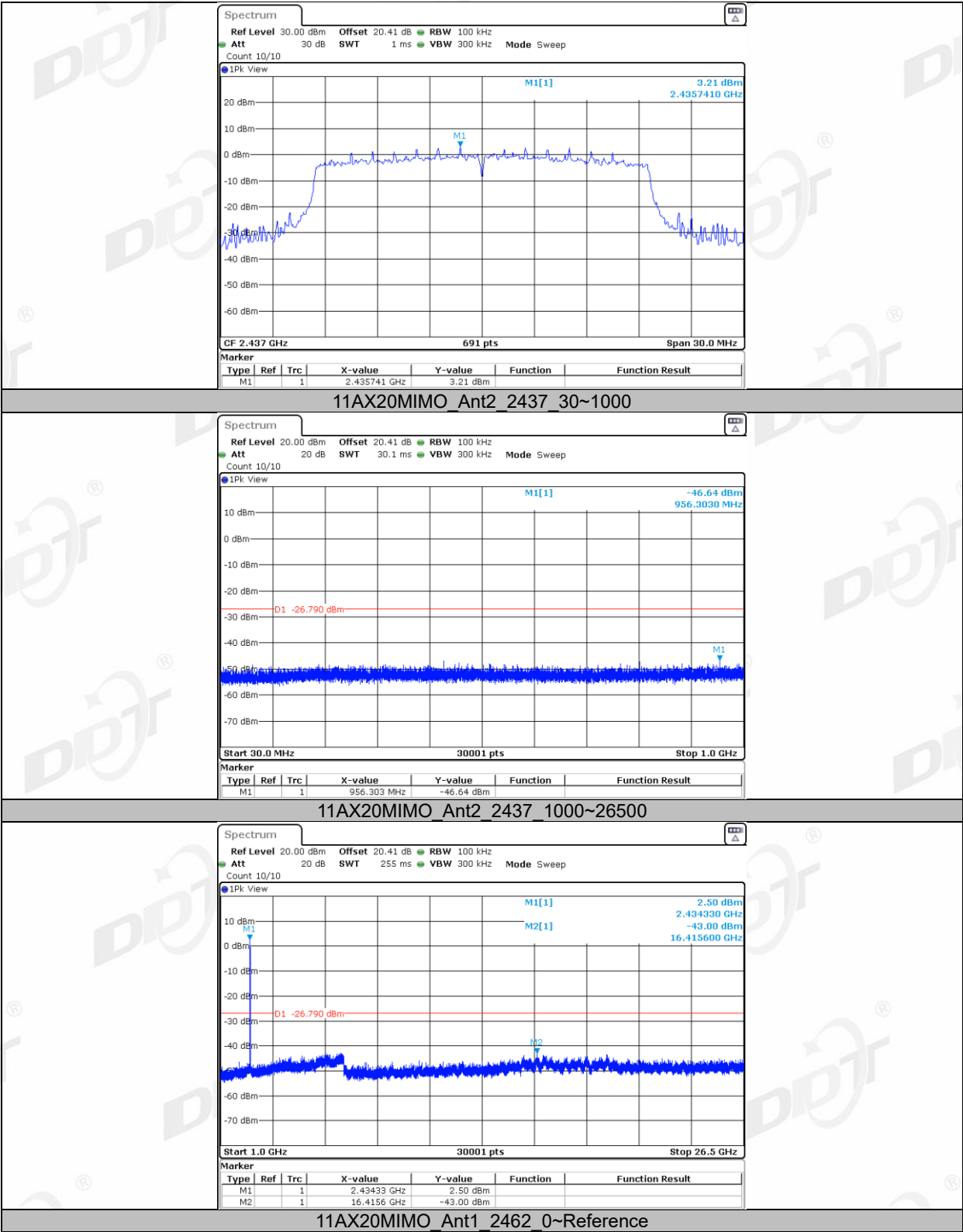


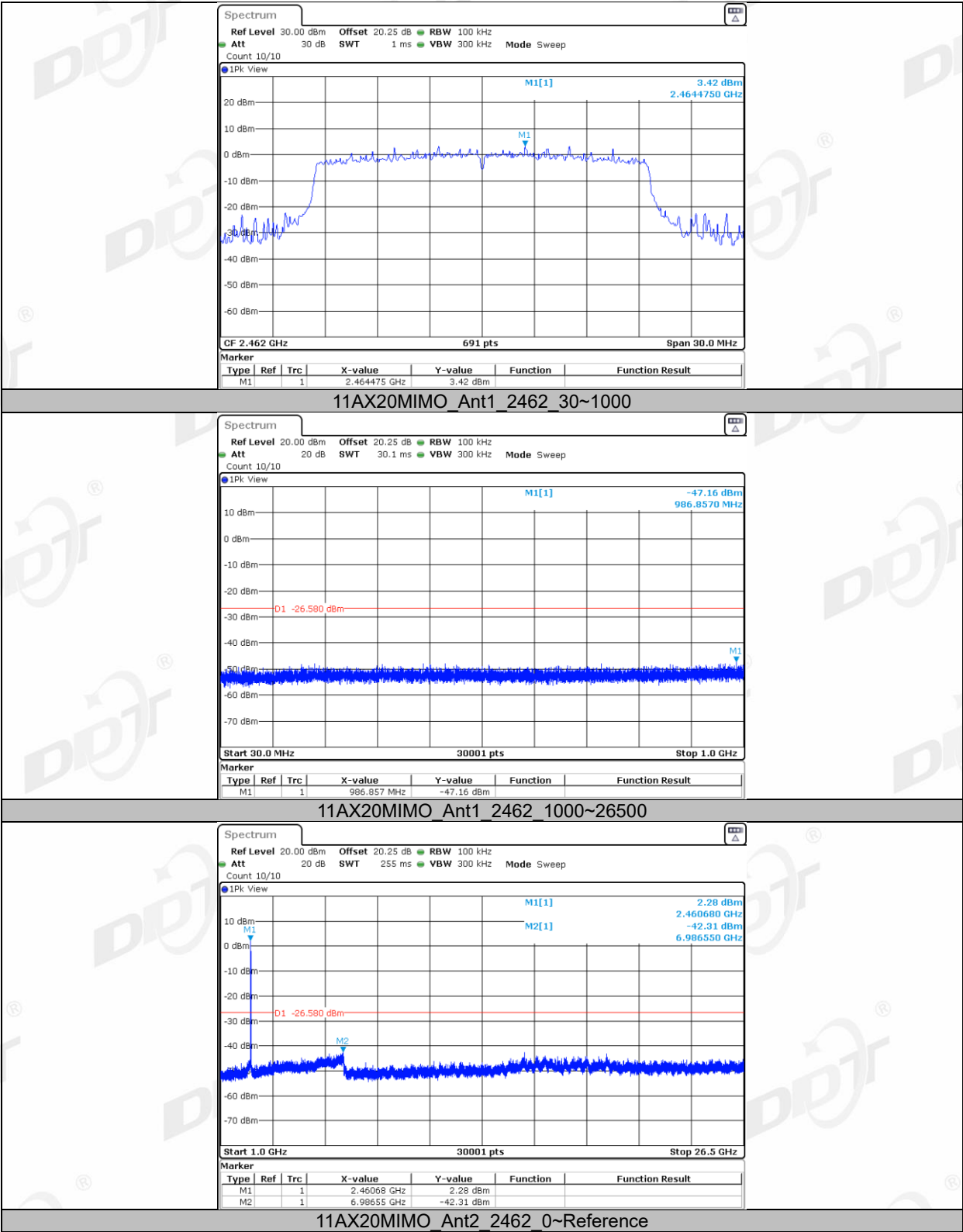


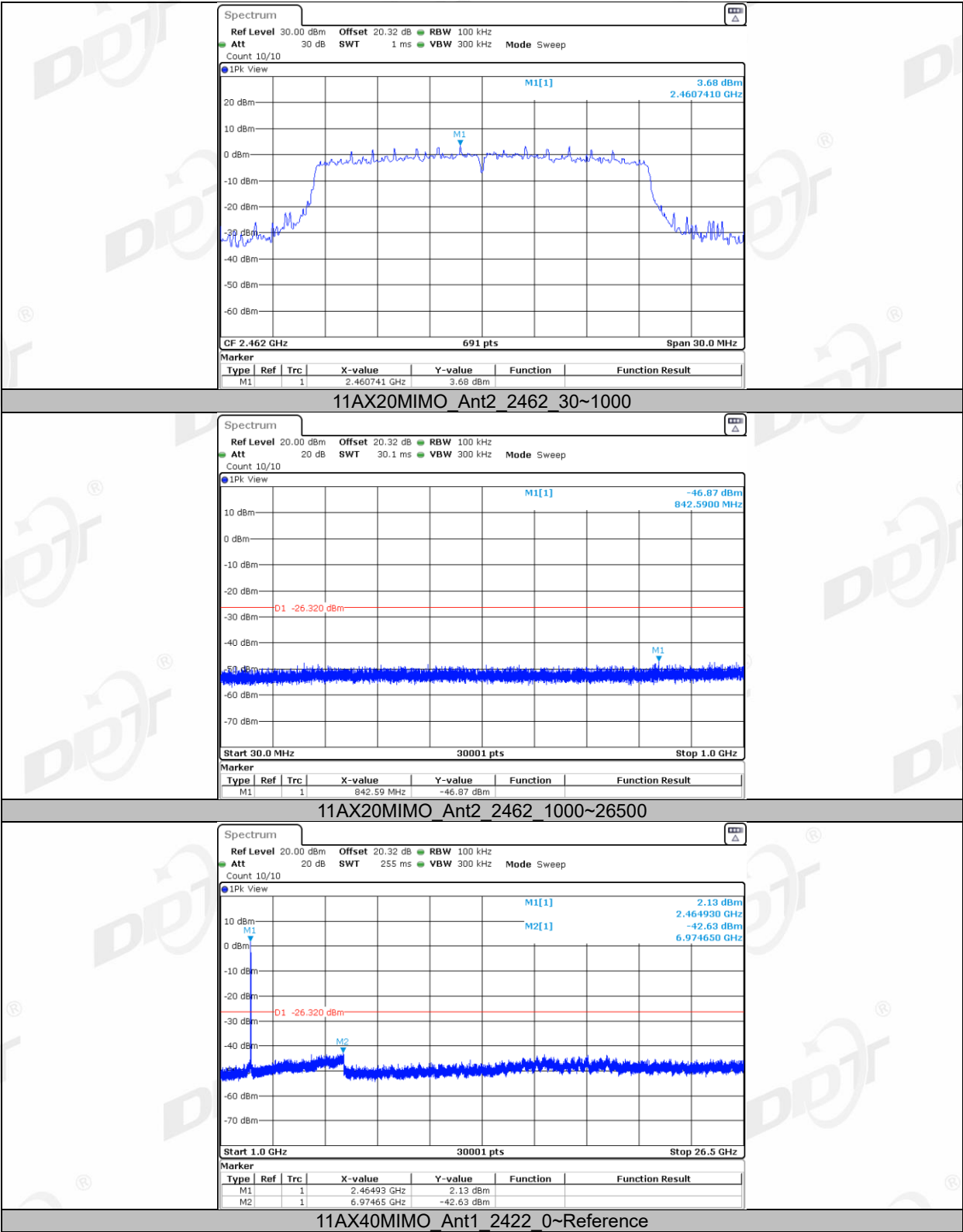


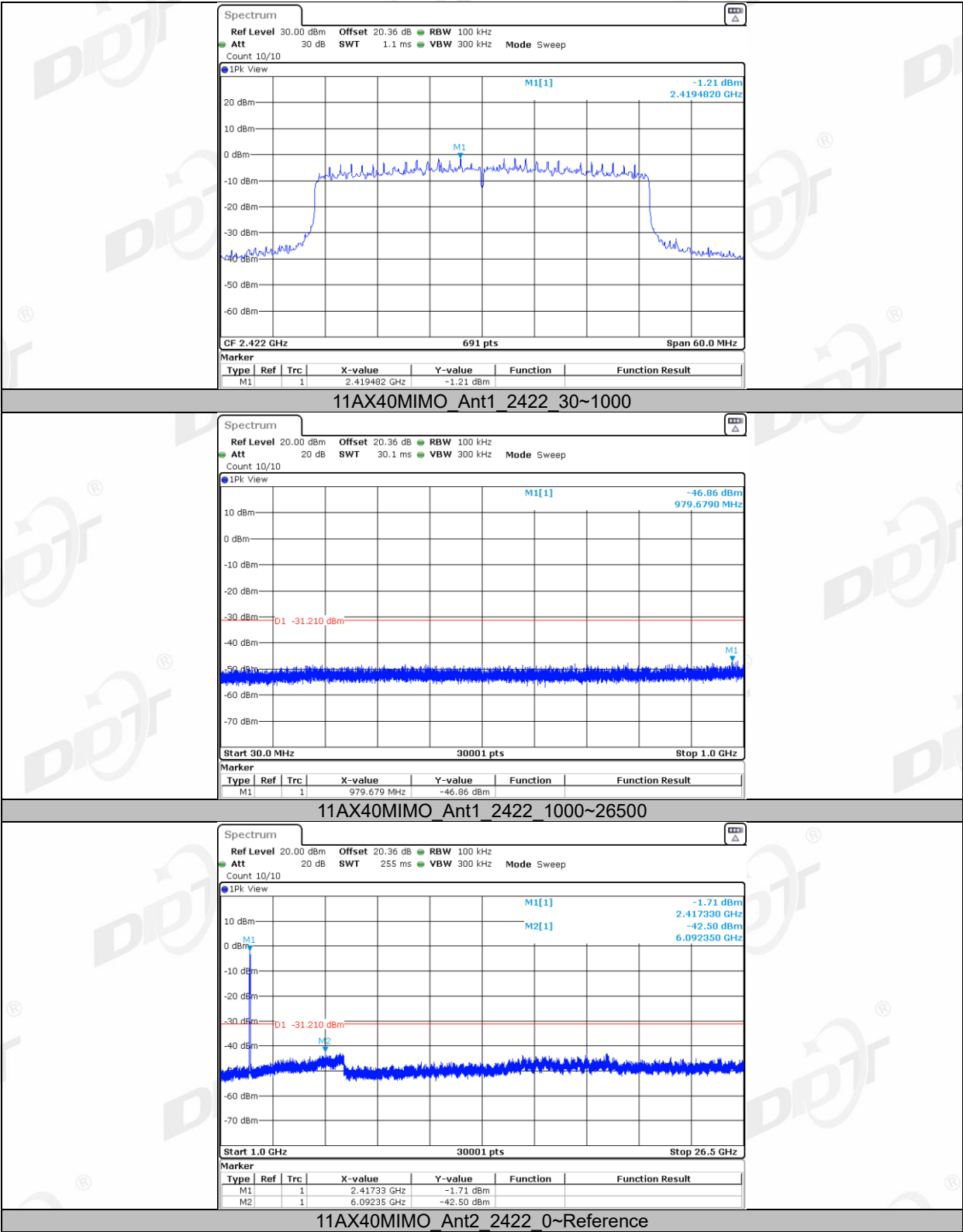


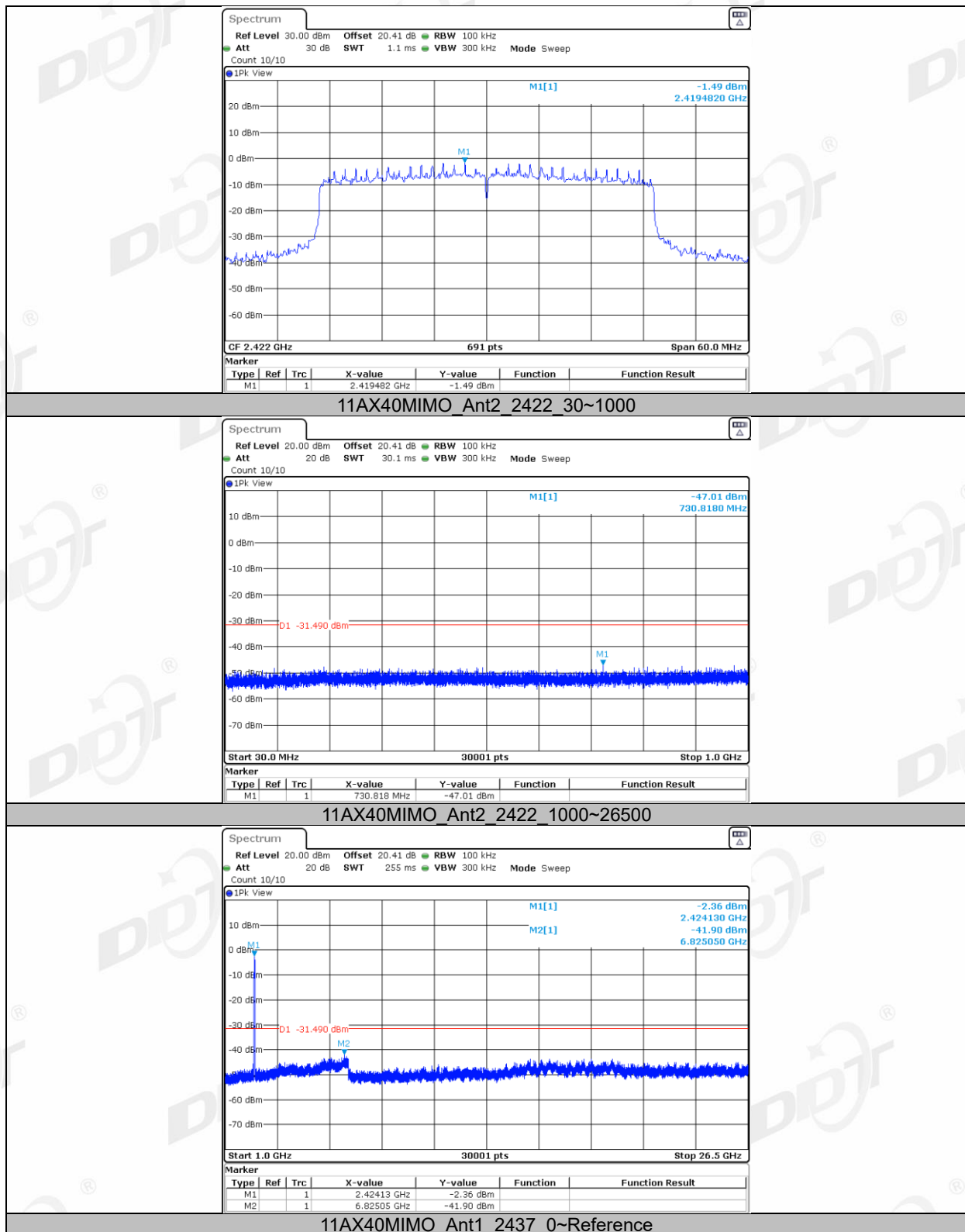


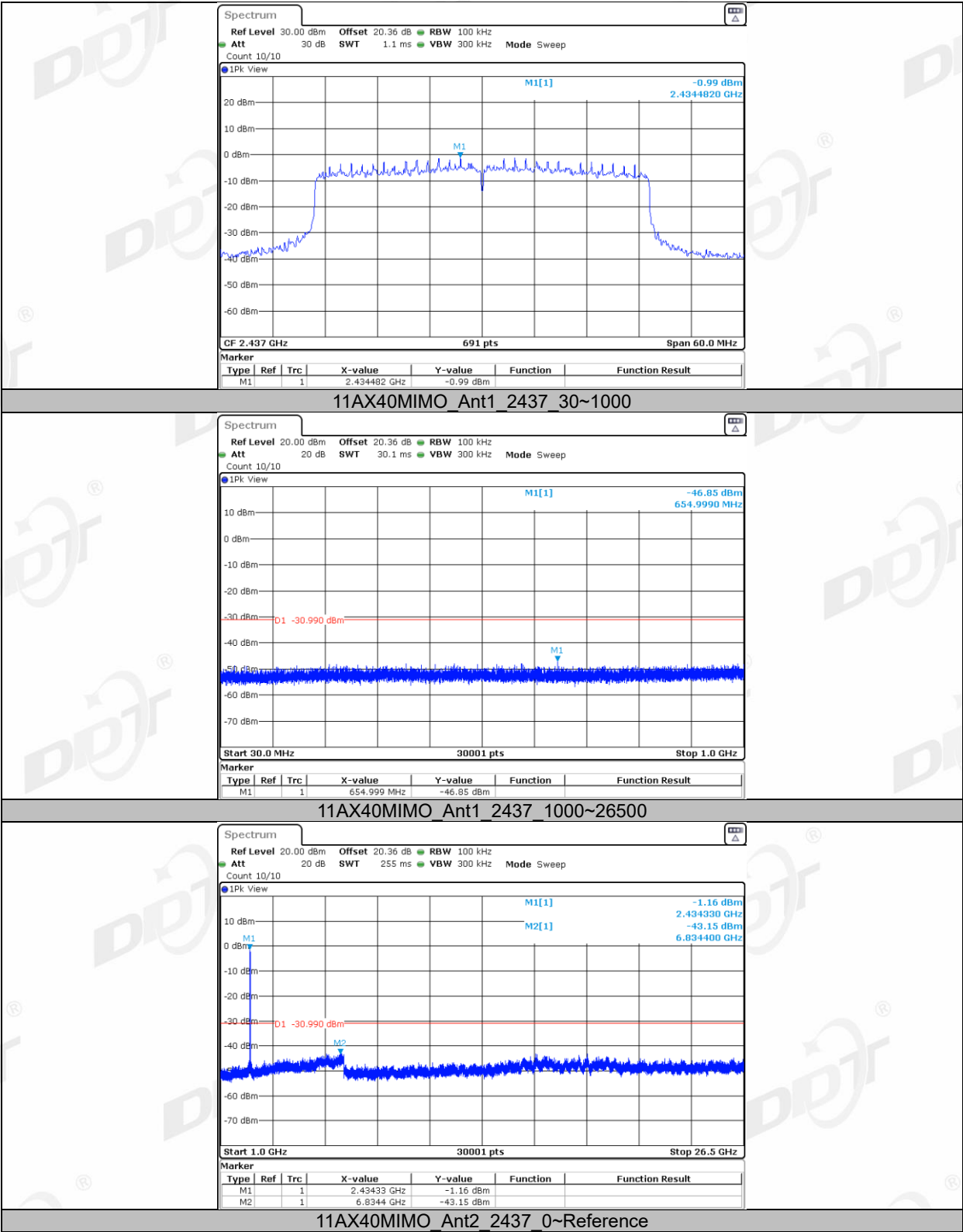


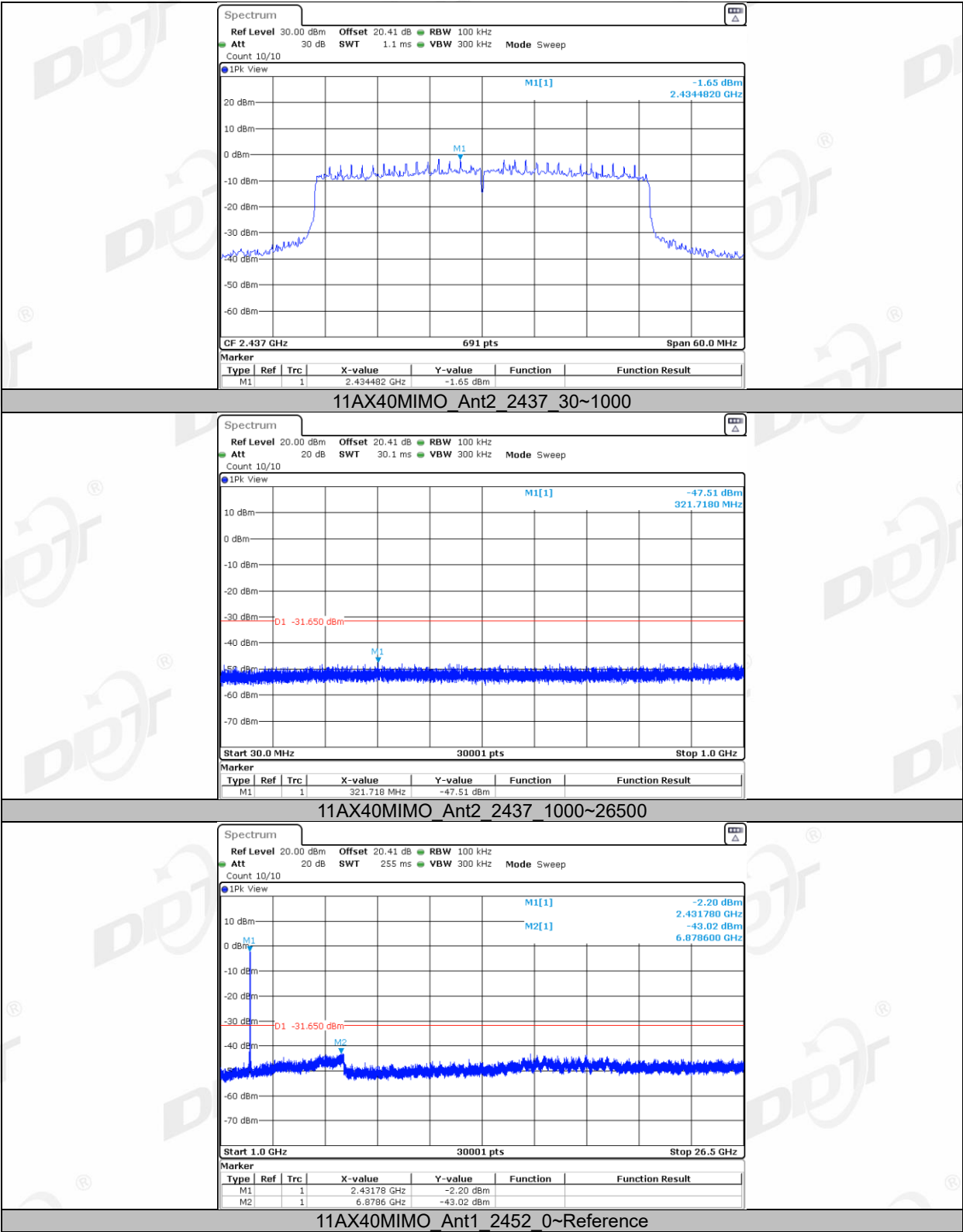


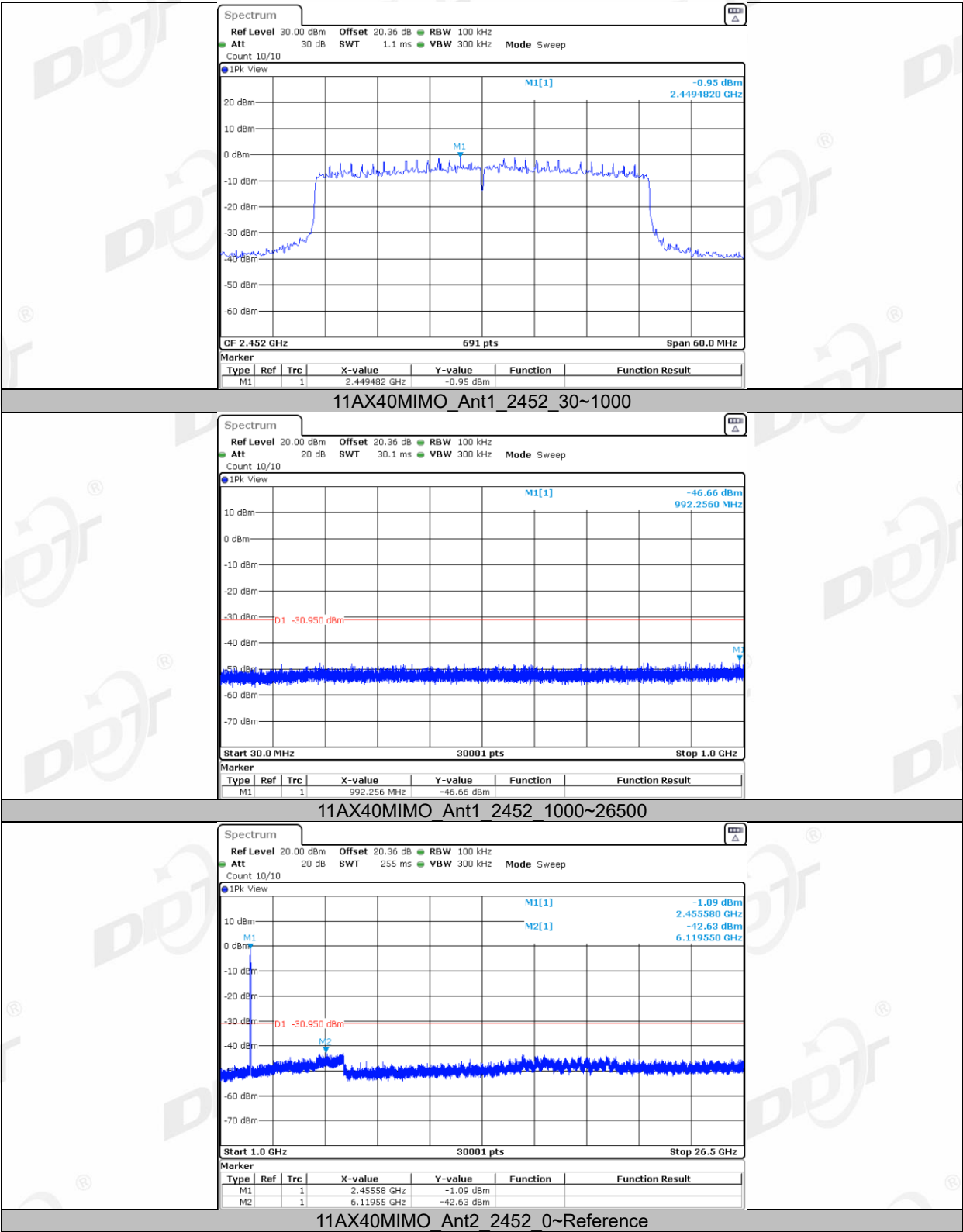


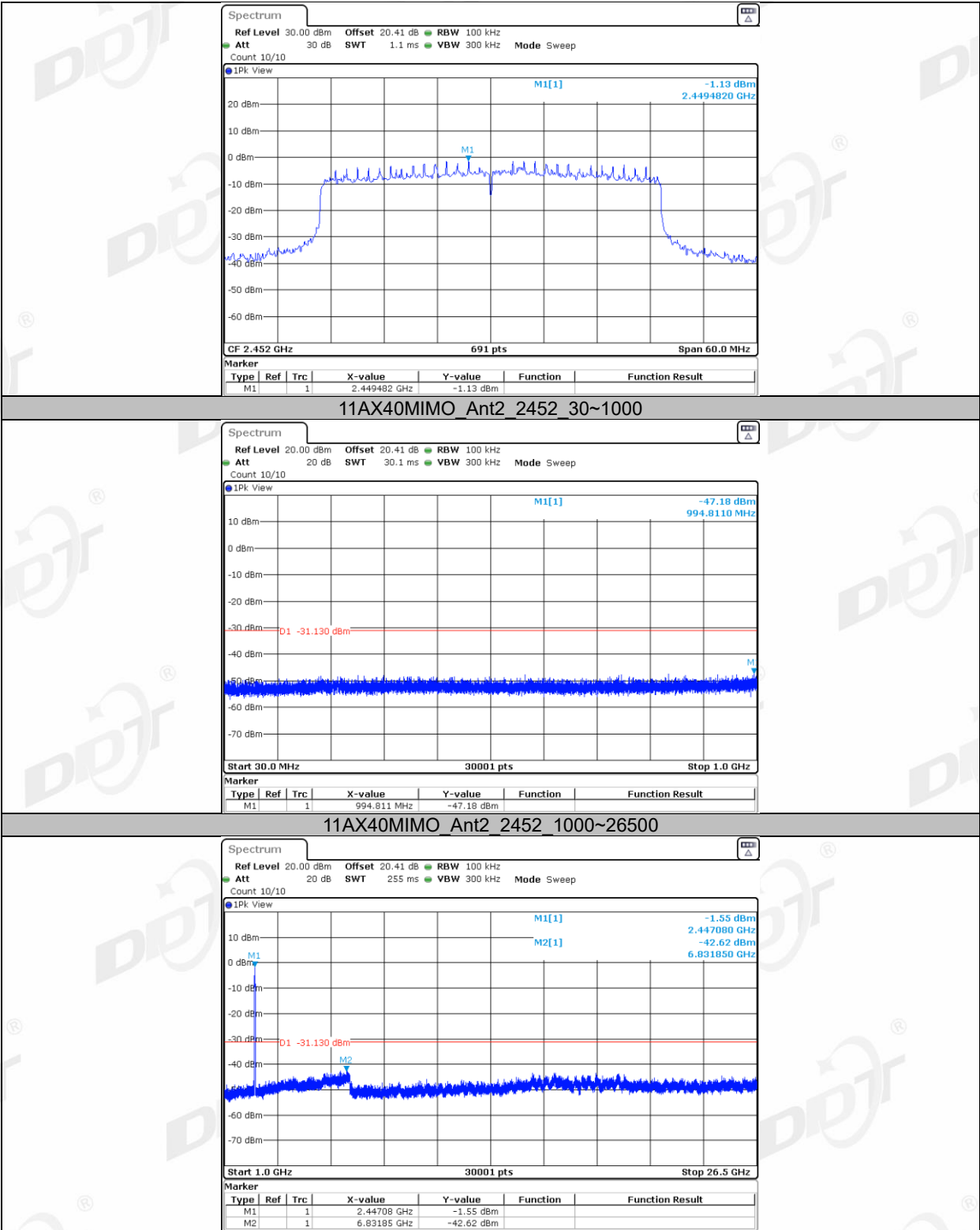






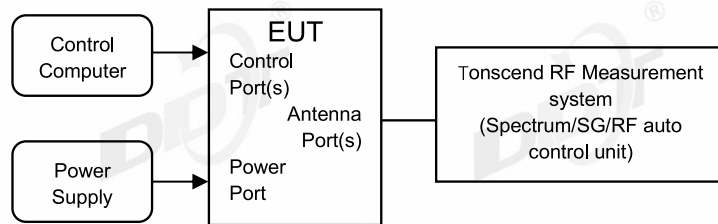






10. Duty Cycle

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

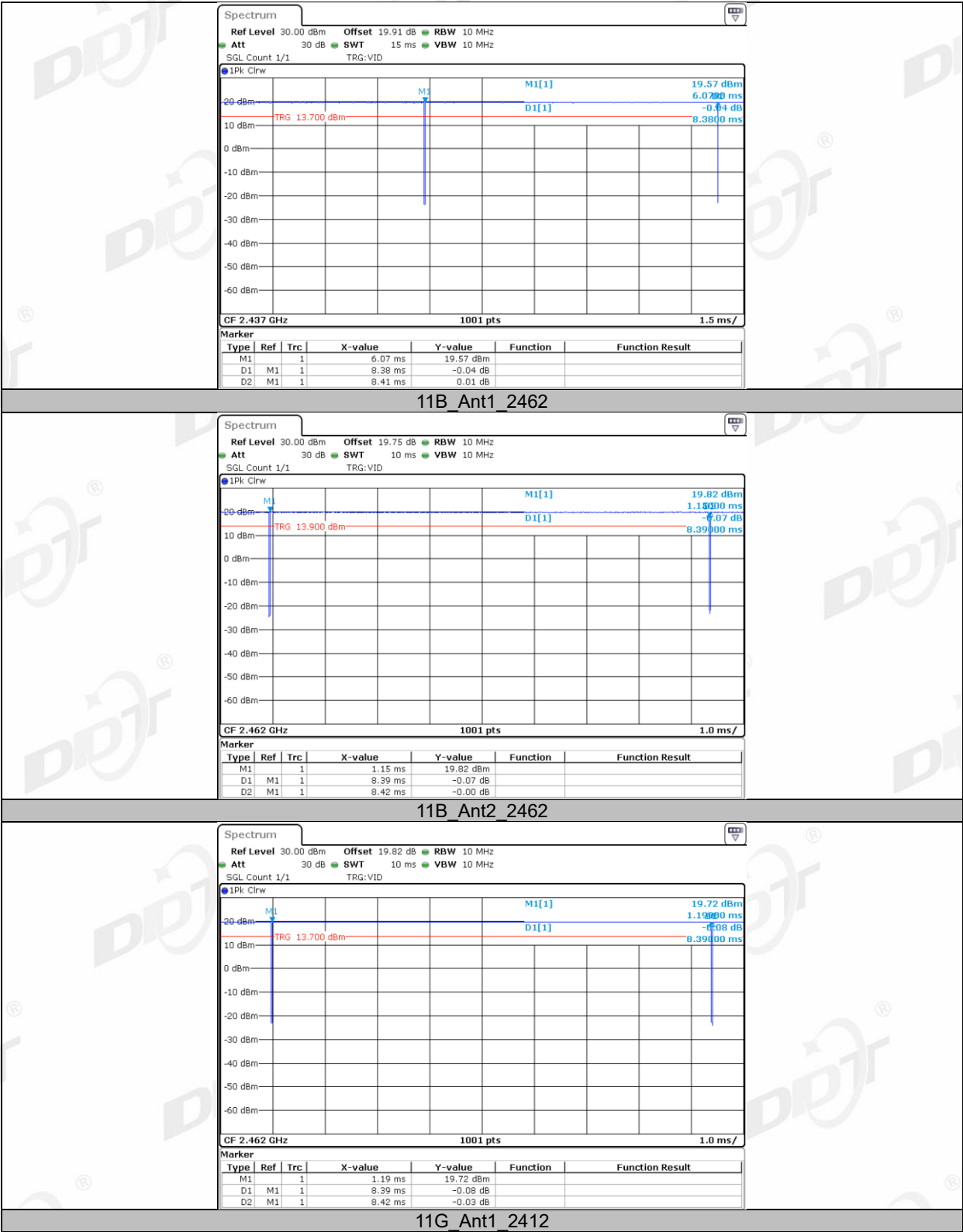
Test Engineer:	Zhongyao	Test Site:	RF Measurement System 3#
Ambient Condition:	23.6-24.3°C,32.7-42.5%RH	Test Date:	2024.11.12-2025.02.06
Test Power Supply:	AC 120V/60Hz	Sample Number:	S24111411-004

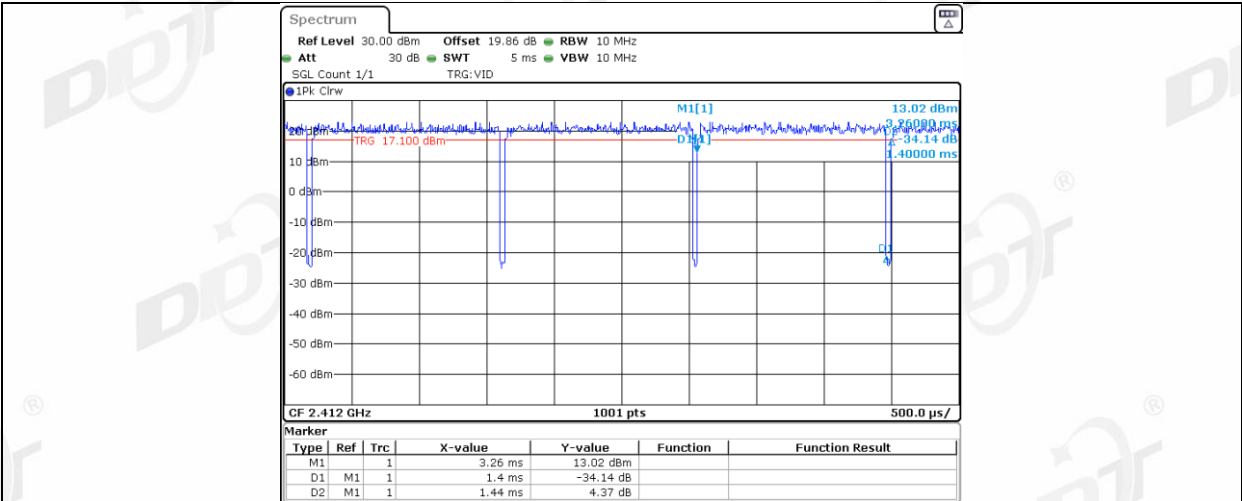
Test Mode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2412	8.39	8.42	99.64
	Ant2	2412	8.39	8.41	99.76
	Ant1	2437	8.39	8.42	99.64
	Ant2	2437	8.38	8.41	99.64
	Ant1	2462	8.39	8.42	99.64
	Ant2	2462	8.39	8.42	99.64
11G	Ant1	2412	1.40	1.44	97.22
	Ant2	2412	1.39	1.43	97.20
	Ant1	2437	1.39	1.43	97.20
	Ant2	2437	1.40	1.43	97.90
	Ant1	2462	1.40	1.43	97.90
	Ant2	2462	1.39	1.43	97.20
11N20MIMO	Ant1	2412	1.30	1.33	97.74
	Ant2	2412	1.30	1.34	97.01
	Ant1	2437	1.30	1.34	97.01
	Ant2	2437	1.30	1.33	97.74
	Ant1	2462	1.30	1.33	97.74
	Ant2	2462	1.30	1.33	97.74
11N40MIMO	Ant1	2422	0.64	0.68	94.12
	Ant2	2422	0.64	0.68	94.12
	Ant1	2437	0.64	0.68	94.12
	Ant2	2437	0.64	0.68	94.12
	Ant1	2452	0.65	0.68	95.59
	Ant2	2452	0.64	0.68	94.12
11AX20MIMO	Ant1	2412	1.02	1.06	96.23
	Ant2	2412	1.01	1.05	96.19
	Ant1	2437	1.02	1.05	97.14
	Ant2	2437	1.02	1.05	97.14
	Ant1	2462	1.01	1.05	96.19
	Ant2	2462	1.01	1.05	96.19
11AX40MIMO	Ant1	2422	0.54	0.57	94.74
	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	0.54	0.57	94.74
	Ant2	2452	0.53	0.57	92.98

Test Mode	Antenna	Frequency [MHz]	RuSize	RuIndex	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11AX20MIMO	Ant1	2412	26Tone	RU0	0.57	1.20	47.50
				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	0.95	33.68
				RU40	0.33	0.95	34.74
			106Tone	RU53	0.20	0.80	25.00
				RU54	0.19	0.79	24.05
	Ant2	2412	26Tone	RU0	0.57	1.19	47.90
				RU4	0.58	1.20	48.33
				RU8	0.57	1.20	47.50
			52Tone	RU37	0.32	0.94	34.04
				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	2437	26Tone	RU0	0.58	1.19	48.74
				RU4	0.58	1.20	48.33
				RU8	0.58	1.19	48.74
			52Tone	RU37	0.31	0.94	32.98
				RU39	0.33	0.95	34.74
				RU40	0.32	0.94	34.04
			106Tone	RU53	0.20	0.80	25.00
				RU54	0.19	0.80	23.75
	Ant2	2437	26Tone	RU0	0.58	1.19	48.74
				RU4	0.58	1.19	48.74
				RU8	0.57	1.19	47.90
			52Tone	RU37	0.33	0.95	34.74
				RU39	0.33	0.95	34.74
				RU40	0.33	0.94	35.11
			106Tone	RU53	0.19	0.80	23.75
				RU54	0.20	0.79	25.32
	Ant1	2462	26Tone	RU0	0.56	1.19	47.06
				RU4	0.58	1.20	48.33
				RU8	0.57	1.19	47.90
			52Tone	RU37	0.32	0.95	33.68
				RU39	0.32	0.94	34.04
				RU40	0.33	0.95	34.74
			106Tone	RU53	0.19	0.79	24.05
				RU54	0.19	0.80	23.75
	Ant2	2462	26Tone	RU0	0.57	1.19	47.90
				RU4	0.58	1.20	48.33
				RU8	0.57	1.20	47.50
			52Tone	RU37	0.31	0.95	32.63
				RU39	0.33	0.95	34.74
				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	0.74	17.57
				RU62	0.13	0.74	17.57
	Ant2	2422	242Tone	RU61	0.12	0.73	16.44
				RU62	0.12	0.73	16.44
	Ant1	2437	242Tone	RU61	0.12	0.74	16.22
				RU62	0.12	0.73	16.44
	Ant2	2437	242Tone	RU61	0.13	0.74	17.57
				RU62	0.12	0.73	16.44
	Ant1	2452	242Tone	RU61	0.12	0.73	16.44
				RU62	0.13	0.73	17.81
	Ant2	2452	242Tone	RU61	0.12	0.73	16.44
				RU62	0.12	0.73	16.44

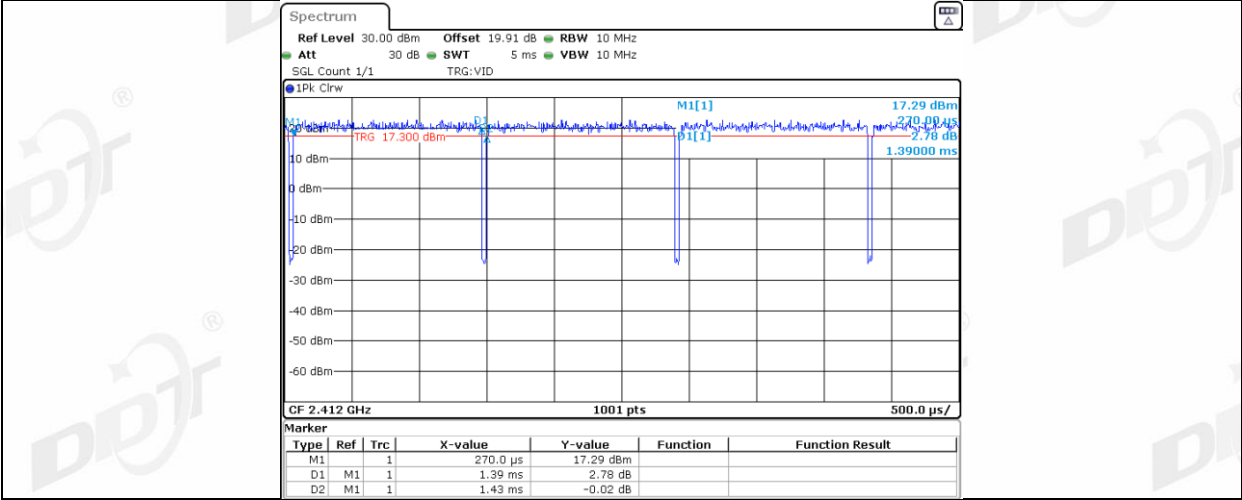
10.5. Test graphs



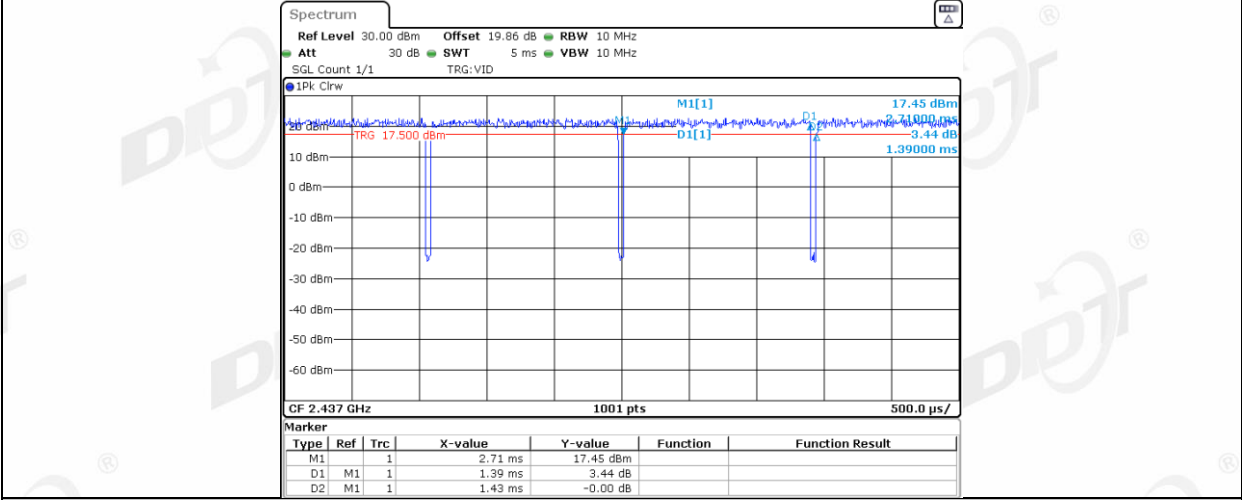




11G Ant2 2412

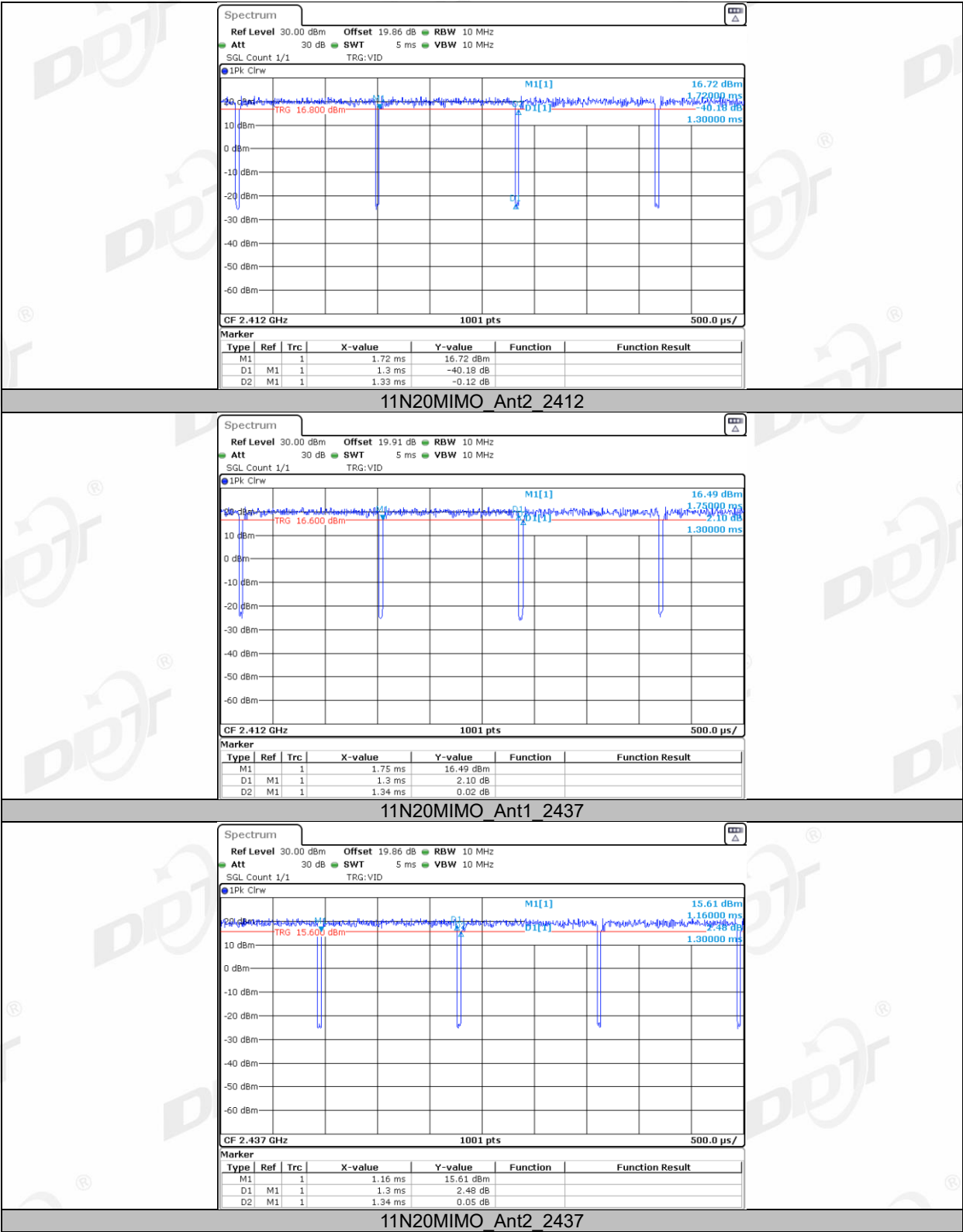


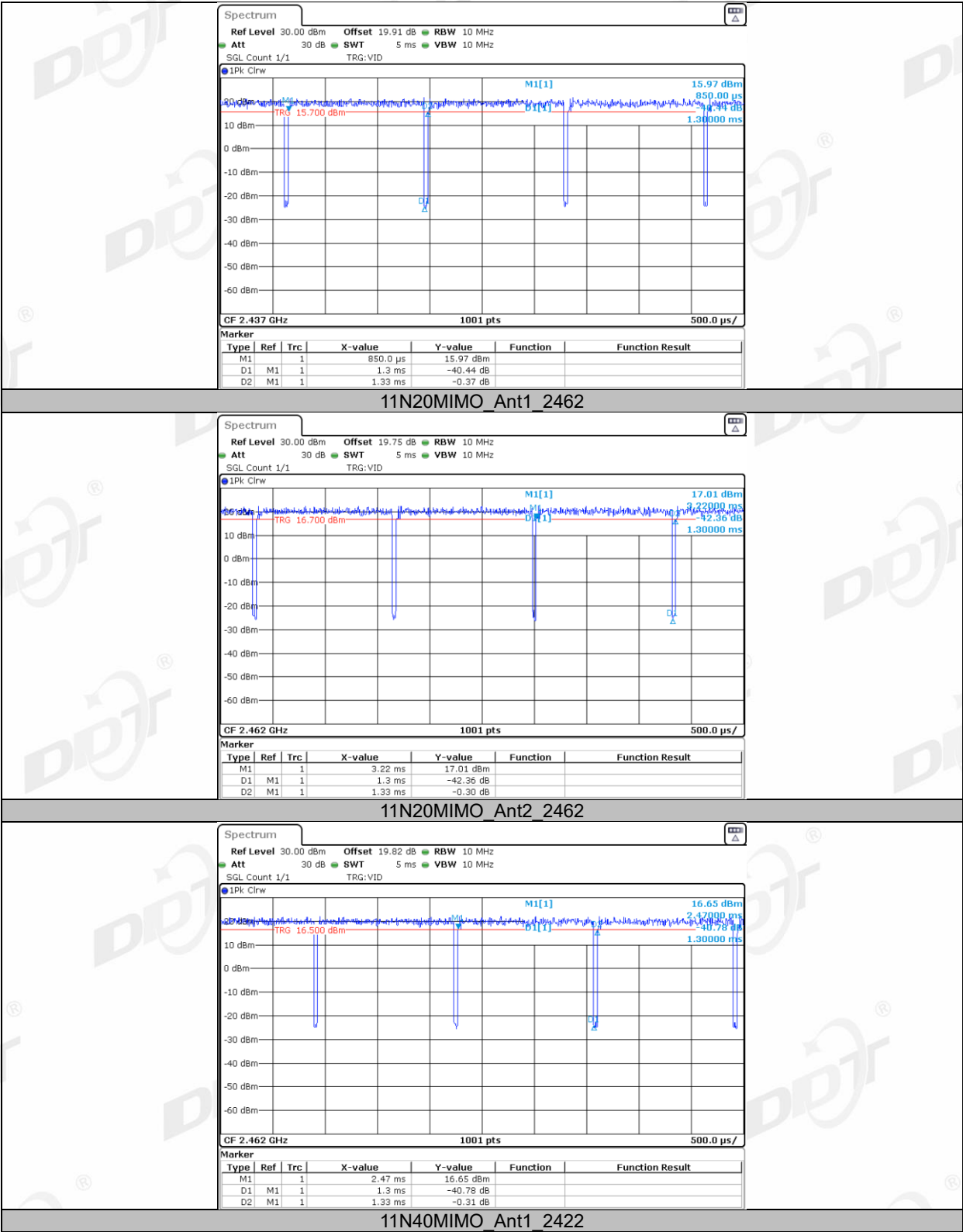
11G Ant1 2437



11G Ant2 2437

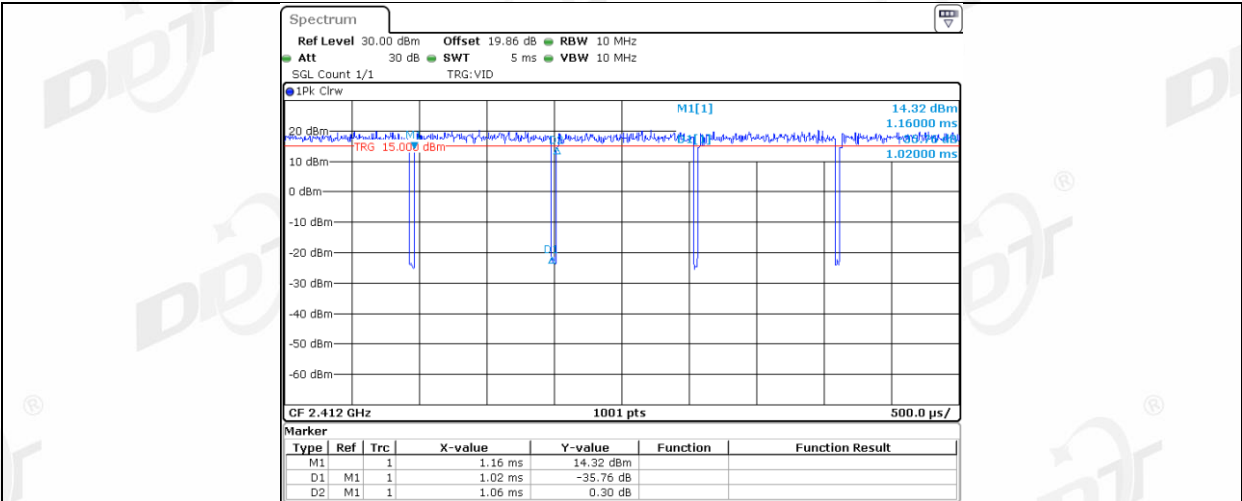




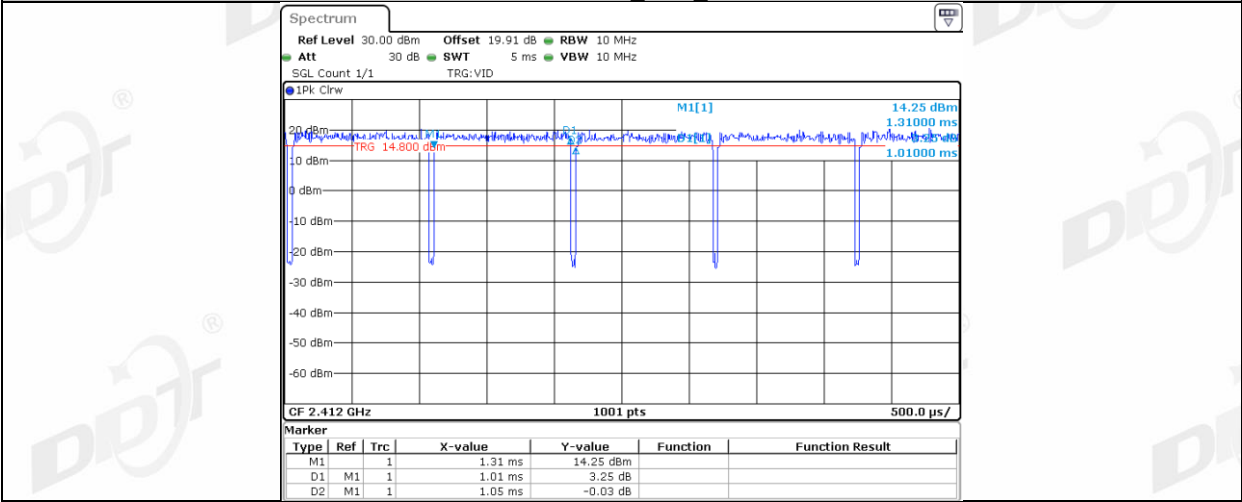




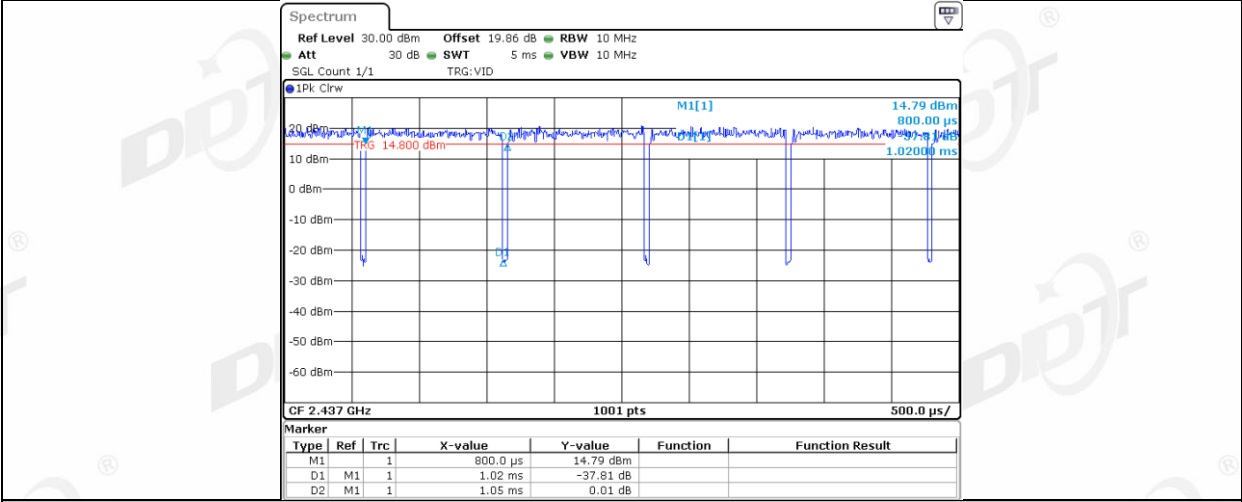




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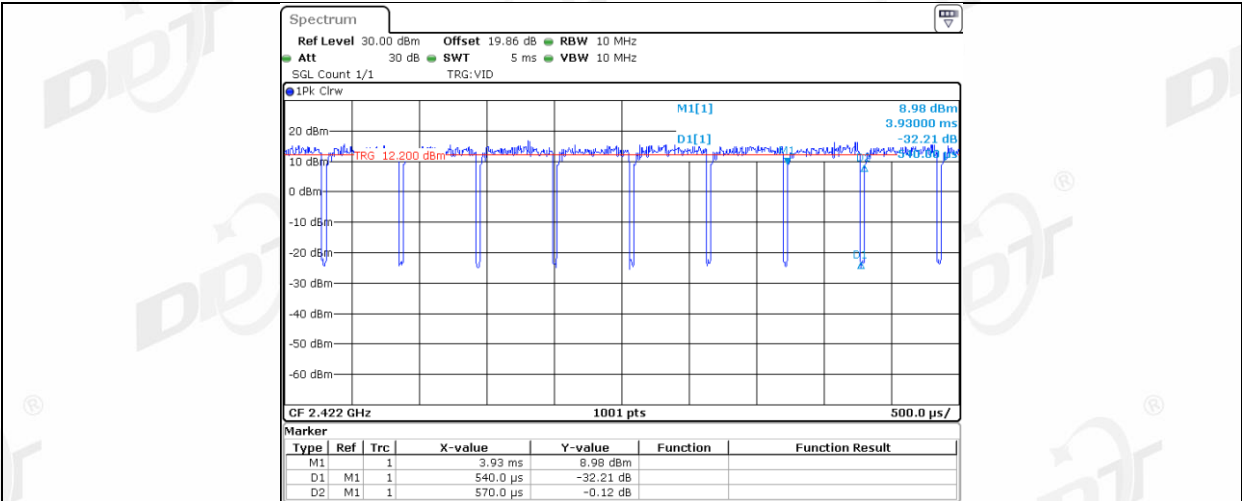


11AX20MIMO_Ant1_2437

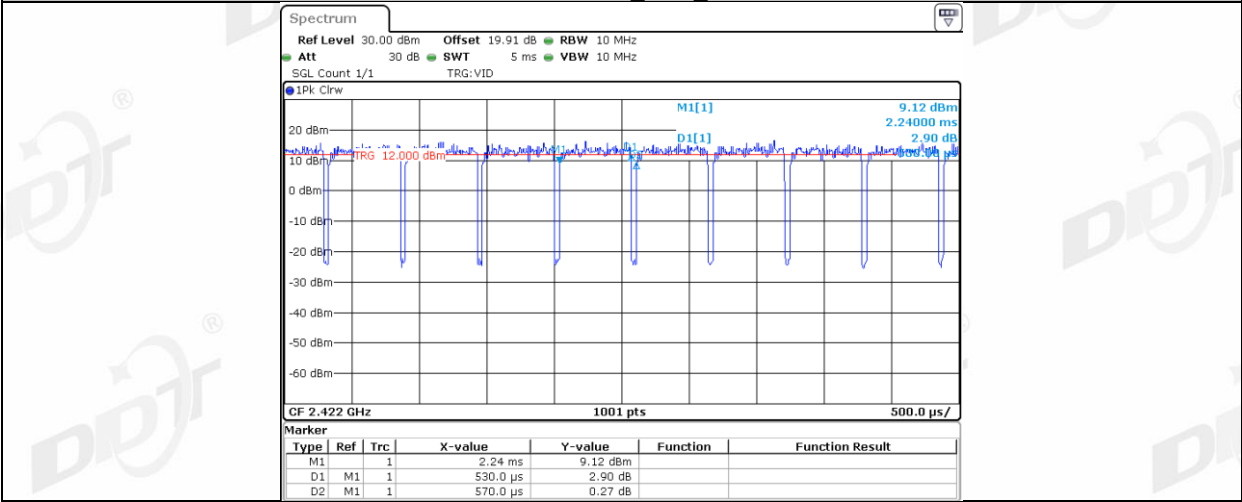


11AX20MIMO_Ant2_2437

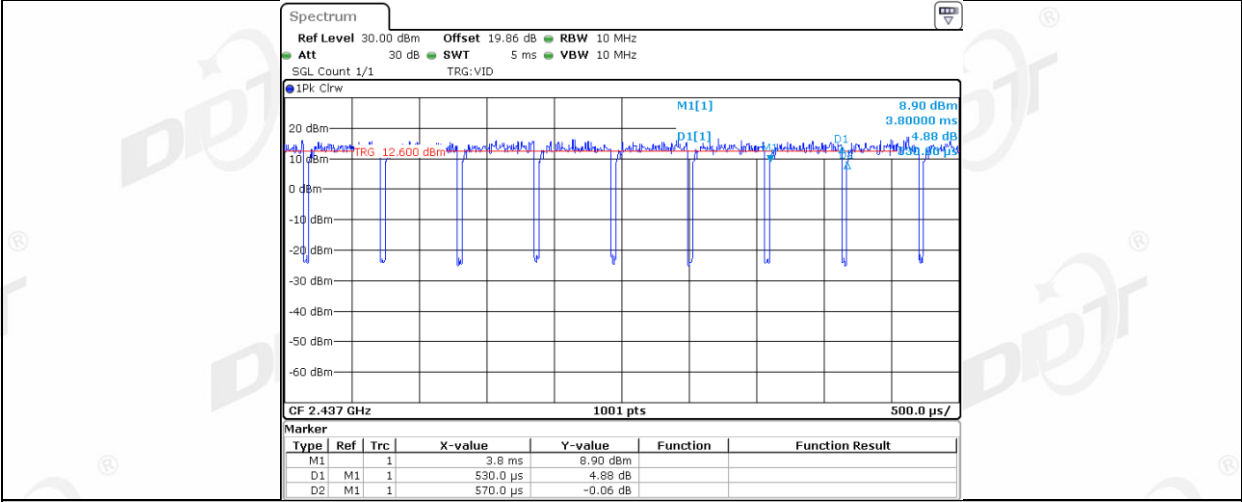




11AX40MIMO_Ant2_2422



11AX40MIMO_Ant1_2437



11AX40MIMO_Ant2_2437









