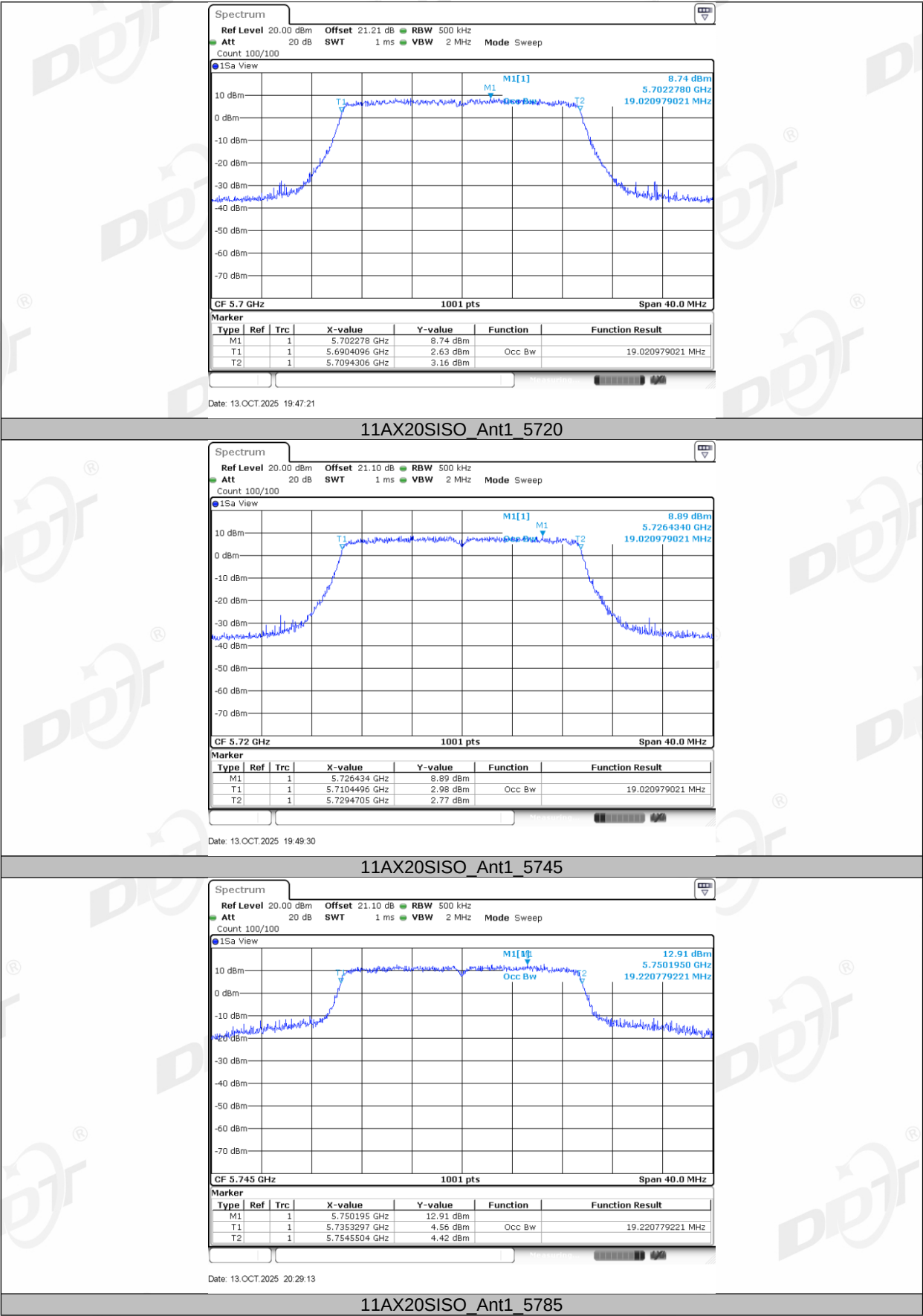
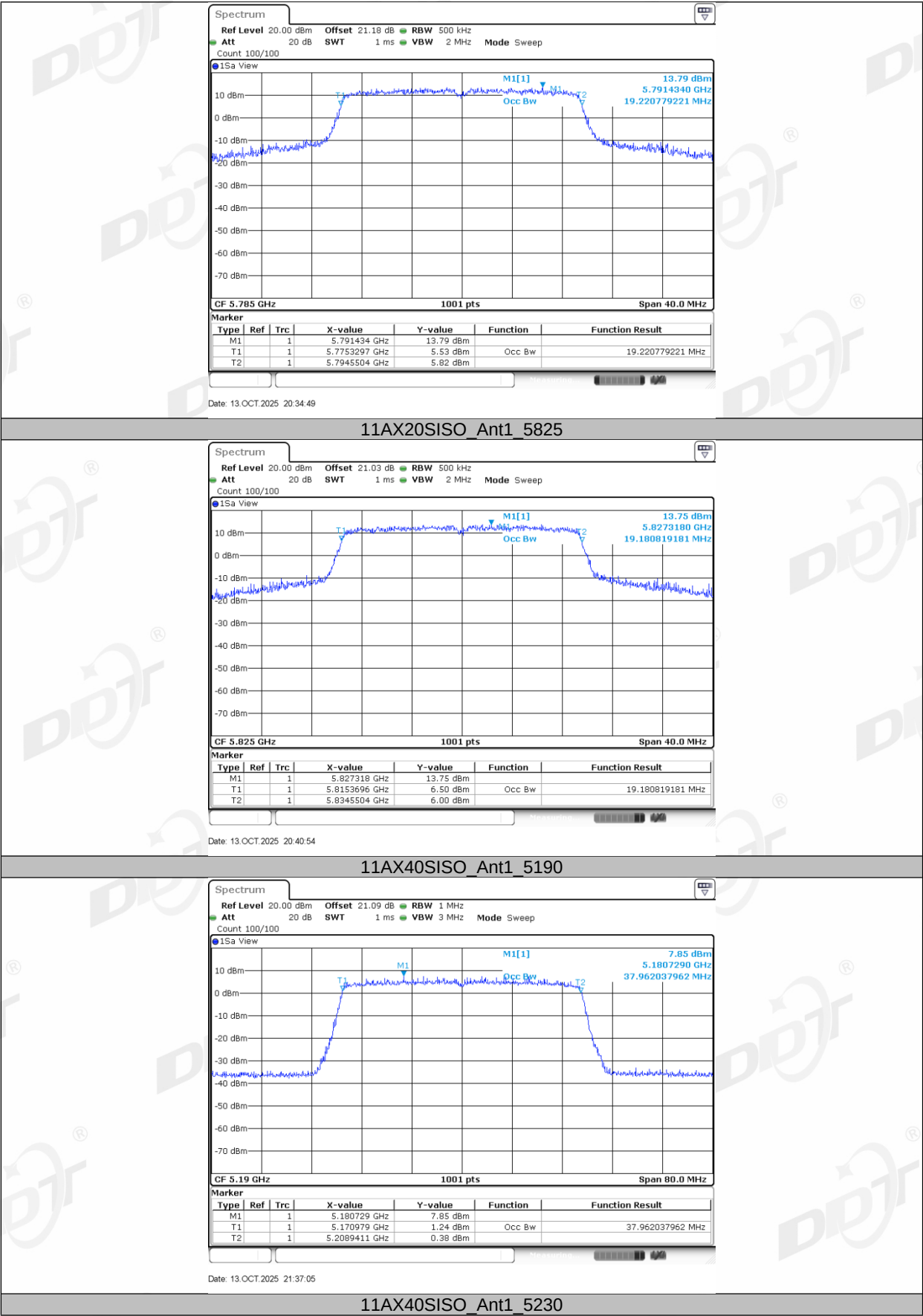
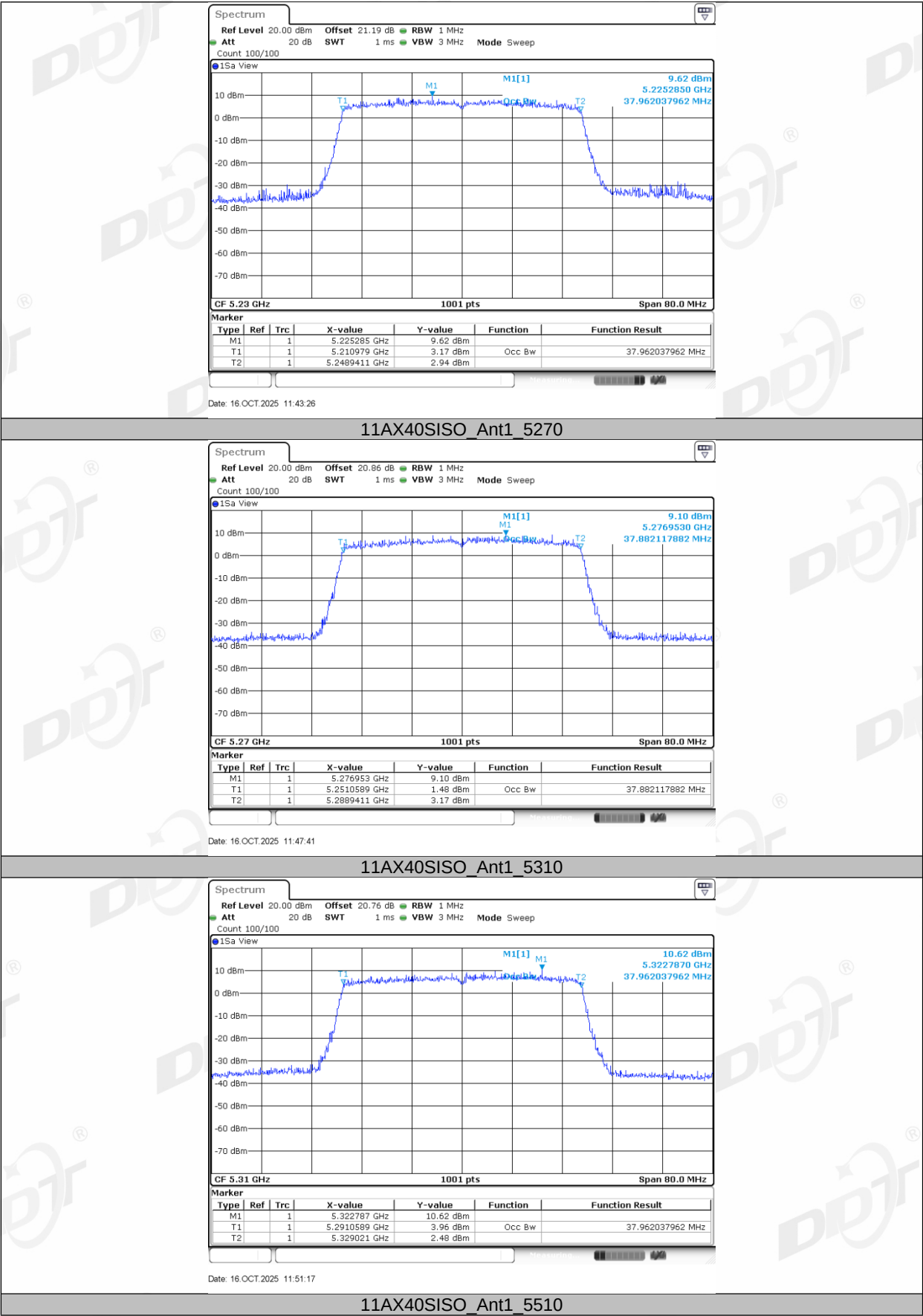
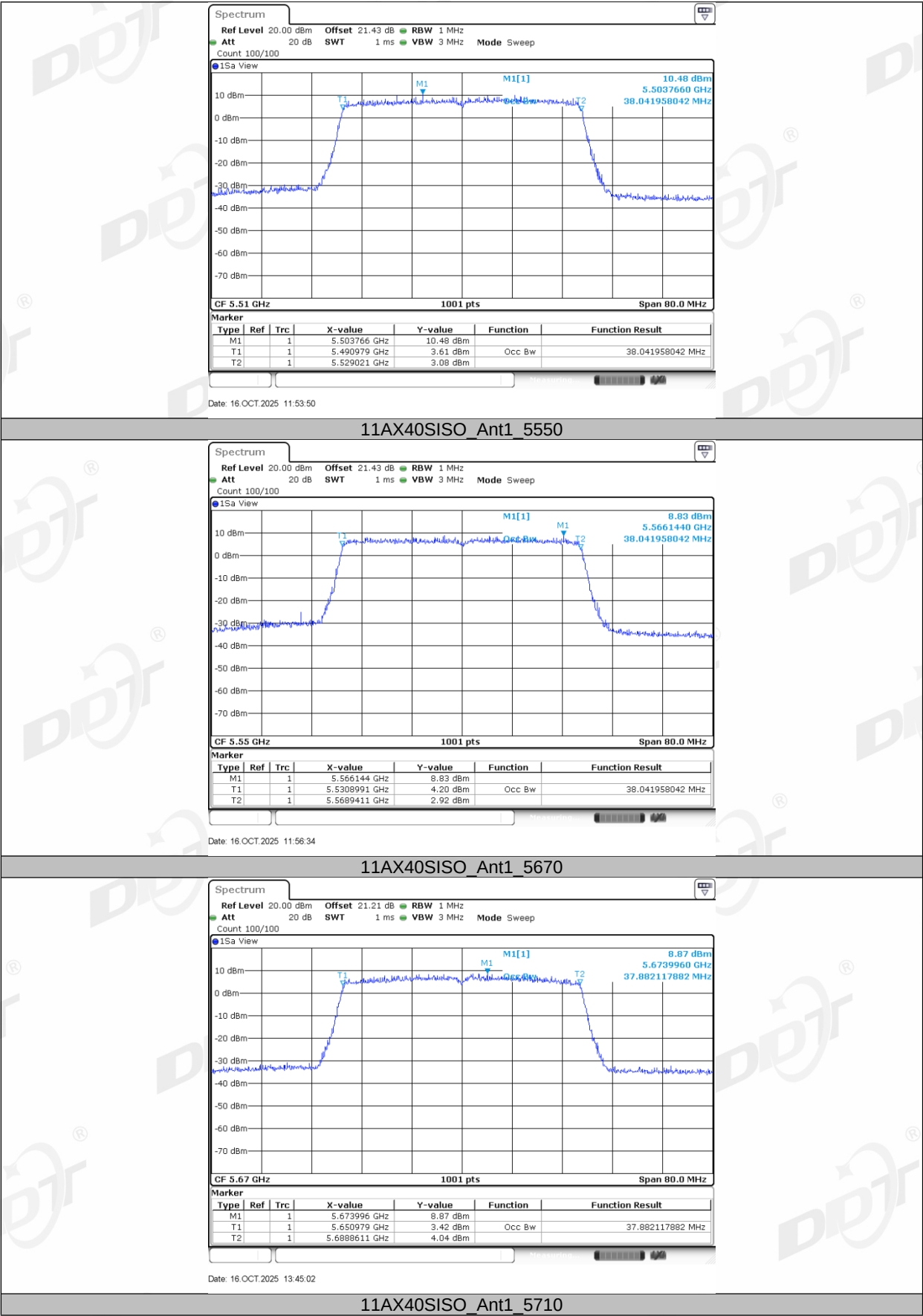
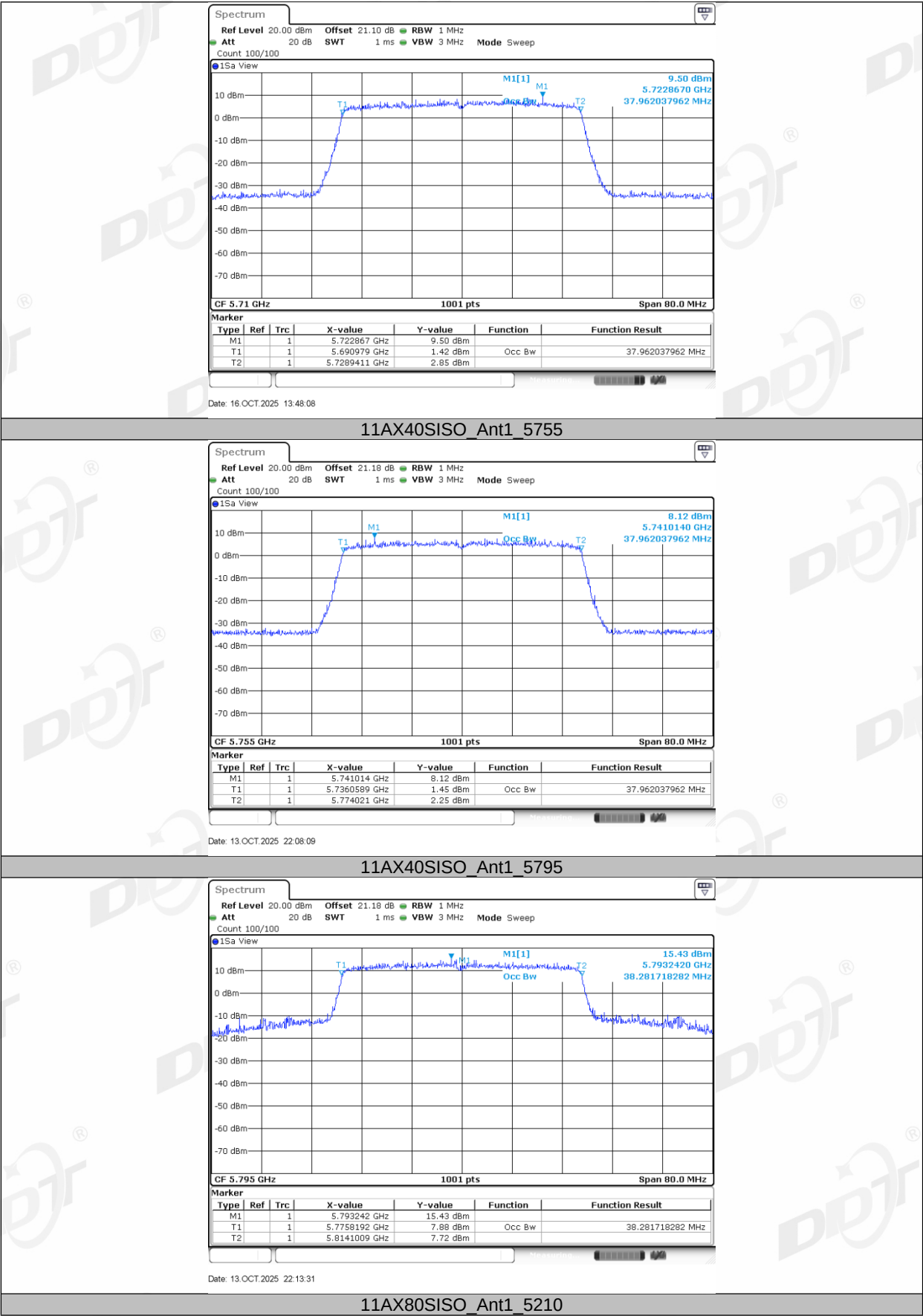


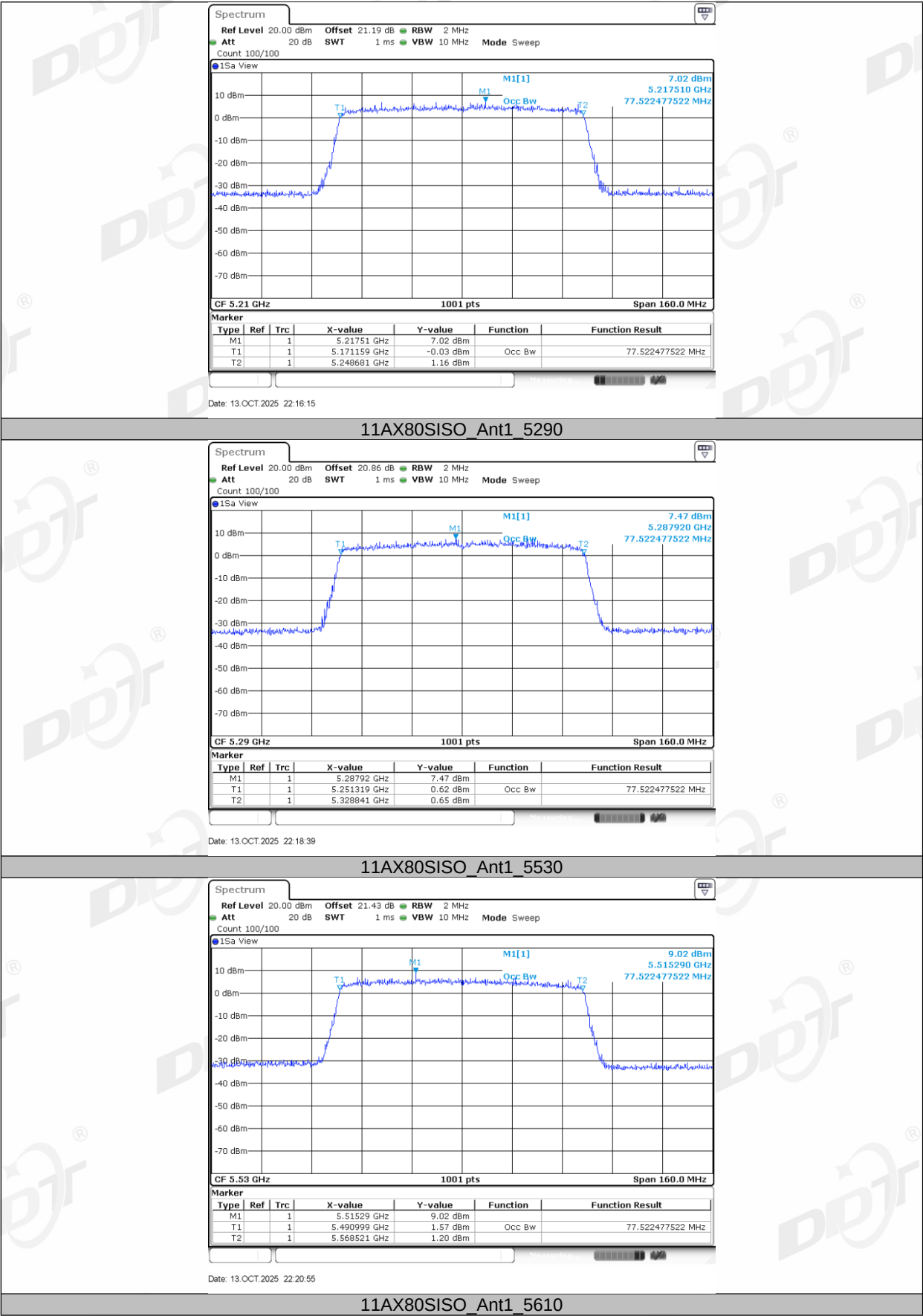


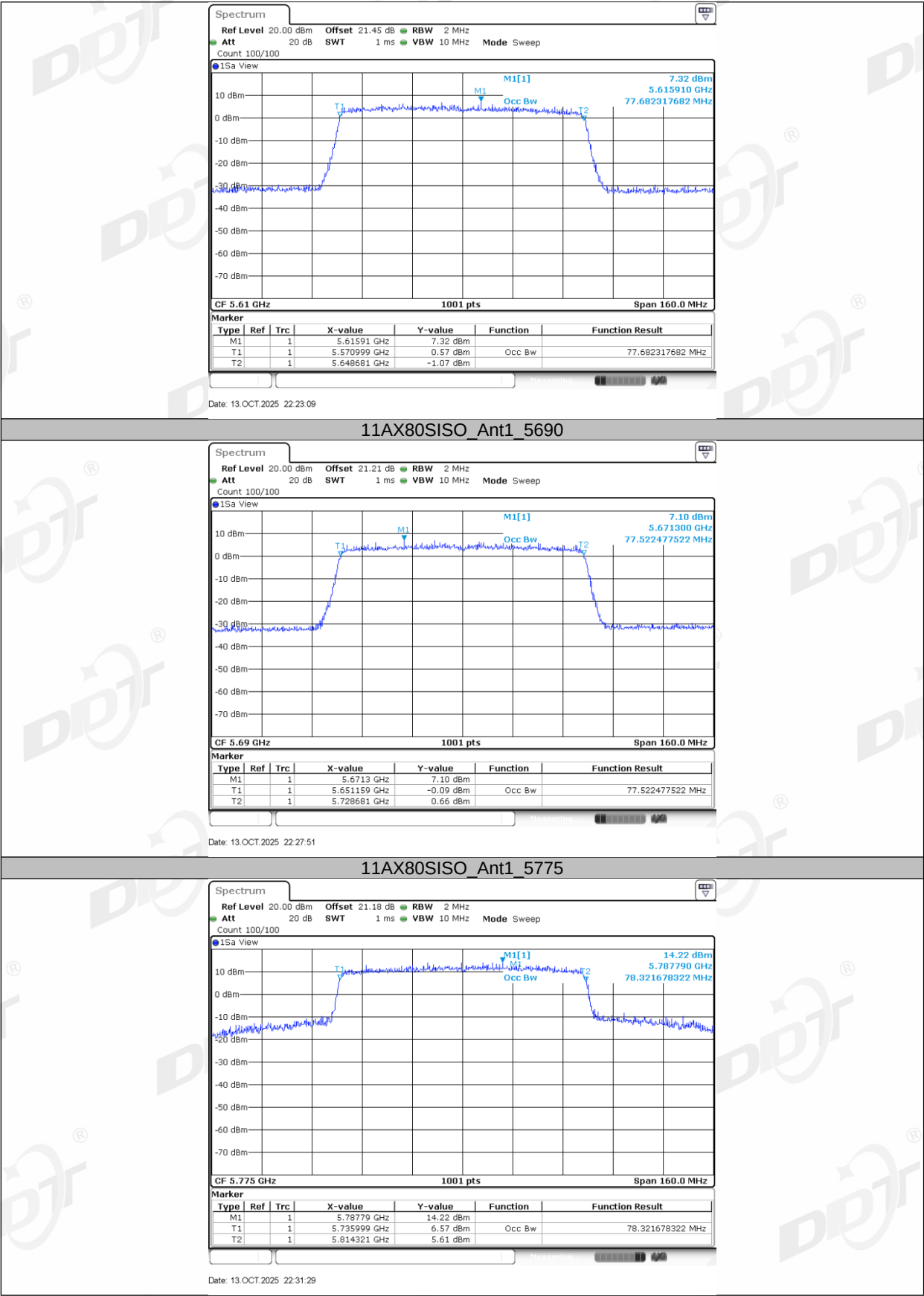






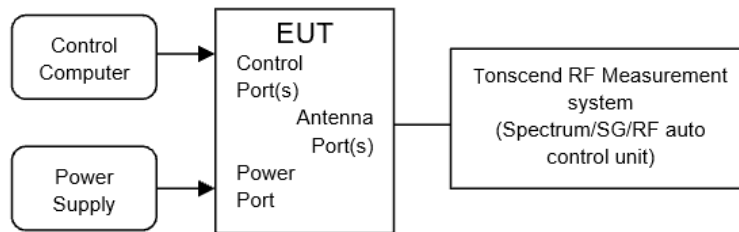






7. Duty Cycle

7.1. Block diagram of test setup



7.2. Limit

Just for Report.

7.3. 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:
$$\text{Duty cycle} = \text{Pulse's on time} / \text{Burst cycle}$$

7.4. Test result

Test Engineer:	Zeng Zhongyao	Test Site:	RF Measurement System 3#
Ambient Condition:	24.1-26.9℃,34.0-41.6%RH	Test Date:	2025.09.23-2025.10.16
Test Power Supply:	Battery	Sample Number:	S25071020

Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	2.10	2.12	99.06
		5200	2.10	2.12	99.06
		5240	2.10	2.12	99.06
		5260	2.10	2.11	99.53
		5280	2.10	2.11	99.53
		5320	2.10	2.12	99.06
		5500	2.10	2.12	99.06
		5580	2.10	2.12	99.06
		5700	2.10	2.12	99.06
		5720	2.09	2.11	99.05
		5745	2.10	2.12	99.06
		5785	2.10	2.12	99.06
		5825	2.10	2.11	99.53
11N20SISO	Ant1	5180	5.43	5.45	99.63
		5200	5.43	5.45	99.63
		5240	5.43	5.45	99.63
		5260	5.43	5.45	99.63
		5280	5.43	5.45	99.63
		5320	5.43	5.45	99.63
		5500	5.43	5.45	99.63
		5580	5.43	5.45	99.63
		5700	5.43	5.45	99.63
		5720	5.43	5.45	99.63
		5745	5.43	5.45	99.63
		5785	5.43	5.45	99.63
		5825	5.43	5.45	99.63
11N40SISO	Ant1	5230	5.43	5.45	99.63
		5270	5.43	5.45	99.63
		5310	5.43	5.45	99.63
		5510	5.43	5.45	99.63
		5550	5.43	5.45	99.63
		5670	5.43	5.45	99.63
		5710	5.43	5.45	99.63
		5755	5.43	5.45	99.63
11AC20SISO	Ant1	5795	5.43	5.45	99.63
		5180	5.43	5.45	99.63
		5200	5.43	5.45	99.63
		5240	5.43	5.45	99.63
		5260	5.43	5.45	99.63
		5280	5.43	5.45	99.63
		5320	5.43	5.45	99.63
		5500	5.43	5.45	99.63
		5580	5.43	5.45	99.63
		5700	5.43	5.45	99.63
		5720	5.43	5.45	99.63
		5745	5.43	5.45	99.63
		5785	5.43	5.45	99.63
		5825	5.43	5.45	99.63
11AC40SISO	Ant1	5190	5.42	5.45	99.45
		5230	5.44	5.45	99.82
		5270	5.42	5.45	99.45
		5310	5.43	5.45	99.63
		5510	5.43	5.45	99.63
		5550	5.43	5.45	99.63

		5670	5.43	5.45	99.63
		5710	5.43	5.45	99.63
		5755	5.43	5.45	99.63
		5795	5.43	5.45	99.63
11AC80SISO	Ant1	5210	5.43	5.45	99.63
		5290	5.43	5.45	99.63
		5530	5.43	5.45	99.63
		5610	5.43	5.45	99.63
		5690	5.43	5.45	99.63
		5775	5.43	5.45	99.63
		5775	5.43	5.45	99.63
11AX20SISO	Ant1	5180	30.00	30.00	100.00
		5200	10.91	10.94	99.73
		5240	5.45	5.47	99.63
		5260	10.91	10.94	99.73
		5280	30.00	30.00	100.00
		5320	5.45	5.47	99.63
		5500	5.45	5.47	99.63
		5580	5.45	5.47	99.63
		5700	5.45	5.47	99.63
		5720	5.45	5.47	99.63
		5745	5.45	5.47	99.63
		5785	5.45	5.47	99.63
		5825	10.90	10.93	99.73
11AX40SISO	Ant1	5190	5.45	5.47	99.63
		5230	5.46	5.48	99.64
		5270	5.45	5.47	99.63
		5310	5.45	5.47	99.63
		5510	5.45	5.47	99.63
		5550	5.44	5.46	99.63
		5670	5.45	5.47	99.63
		5710	5.44	5.46	99.63
		5755	5.45	5.47	99.63
		5795	5.46	5.47	99.82
11AX80SISO	Ant1	5210	5.45	5.47	99.63
		5290	5.45	5.46	99.82
		5530	5.45	5.47	99.63
		5610	5.46	5.47	99.82
		5690	5.45	5.47	99.63
		5775	30.00	30.00	100.00

7.5. Test graphs



