

9.4. Test result

Test Engineer:	Zeng Zhongyao	Test Site:	RF Measurement System 3#
Ambient Condition:	25.2-26.8℃,34.7-41.5%RH	Test Date:	2025.07.17-2025.07.23
Test Power Supply:	AC 120V	Sample Number:	S25061119-001

TestMode	Antenna	Channel	Result [dBm/MHz]	FCCLimit [dBm/MHz]	ISEDLimit [dBm/MHz]	Verdict
11A	Ant1	5180	1.72	≤11.00	≤10.00	PASS
		5200	1.54	≤11.00	≤10.00	PASS
		5240	0.65	≤11.00	≤10.00	PASS
		5260	0.94	≤11.00	≤11.00	PASS
		5280	0.64	≤11.00	≤11.00	PASS
		5320	1.33	≤11.00	≤11.00	PASS
		5500	2.11	≤11.00	≤11.00	PASS
		5580	1.03	≤11.00	≤11.00	PASS
		5700	1.49	≤11.00	≤11.00	PASS
		5720_UNII-2C	1.59	≤11.00	≤11.00	PASS
		5720_UNII-3	-1.71	≤30.00	≤30.00	PASS
		5745	-1.47	≤30.00	≤30.00	PASS
		5785	-1.40	≤30.00	≤30.00	PASS
		5825	-1.60	≤30.00	≤30.00	PASS
11N20SISO	Ant1	5180	0.95	≤11.00	≤10.00	PASS
		5200	0.91	≤11.00	≤10.00	PASS
		5240	0.05	≤11.00	≤10.00	PASS
		5260	0.21	≤11.00	≤11.00	PASS
		5280	0.02	≤11.00	≤11.00	PASS
		5320	0.71	≤11.00	≤11.00	PASS
		5500	1.45	≤11.00	≤11.00	PASS
		5580	0.46	≤11.00	≤11.00	PASS
		5700	0.82	≤11.00	≤11.00	PASS
		5720_UNII-2C	0.91	≤11.00	≤11.00	PASS
		5720_UNII-3	-2.22	≤30.00	≤30.00	PASS
		5745	-2.05	≤30.00	≤30.00	PASS
		5785	-2.00	≤30.00	≤30.00	PASS
		5825	-2.22	≤30.00	≤30.00	PASS
11N40SISO	Ant1	5190	-4.81	≤11.00	≤10.00	PASS
		5230	-5.38	≤11.00	≤10.00	PASS
		5270	-5.50	≤11.00	≤11.00	PASS
		5310	-4.70	≤11.00	≤11.00	PASS
		5510	-4.23	≤11.00	≤11.00	PASS
		5550	-4.56	≤11.00	≤11.00	PASS
		5670	-5.16	≤11.00	≤11.00	PASS
		5710_UNII-2C	-4.80	≤11.00	≤11.00	PASS
		5710_UNII-3	-8.49	≤30.00	≤30.00	PASS
		5755	-6.78	≤30.00	≤30.00	PASS
		5795	-7.63	≤30.00	≤30.00	PASS
11AC20SISO	Ant1	5180	0.98	≤11.00	≤10.00	PASS
		5200	0.92	≤11.00	≤10.00	PASS
		5240	0.04	≤11.00	≤10.00	PASS
		5260	0.22	≤11.00	≤11.00	PASS
		5280	0.02	≤11.00	≤11.00	PASS
		5320	0.69	≤11.00	≤11.00	PASS
		5500	1.46	≤11.00	≤11.00	PASS
		5580	0.43	≤11.00	≤11.00	PASS
		5700	0.76	≤11.00	≤11.00	PASS
		5720_UNII-2C	0.88	≤11.00	≤11.00	PASS
		5720_UNII-3	-2.27	≤30.00	≤30.00	PASS
		5745	-2.16	≤30.00	≤30.00	PASS
		5785	-2.05	≤30.00	≤30.00	PASS
		5825	-2.28	≤30.00	≤30.00	PASS
11AC40SISO	Ant1	5190	-4.41	≤11.00	≤10.00	PASS
		5230	-5.38	≤11.00	≤10.00	PASS

		5270	-5.93	≤11.00	≤11.00	PASS
		5310	-5.08	≤11.00	≤11.00	PASS
		5510	-4.84	≤11.00	≤11.00	PASS
		5550	-5.43	≤11.00	≤11.00	PASS
		5670	-6.06	≤11.00	≤11.00	PASS
		5710 UNII-2C	-5.61	≤11.00	≤11.00	PASS
		5710 UNII-3	-9.24	≤30.00	≤30.00	PASS
		5755	-7.64	≤30.00	≤30.00	PASS
		5795	-8.46	≤30.00	≤30.00	PASS
11AX20SISO	Ant1	5180	-0.17	≤11.00	≤10.00	PASS
		5200	-0.22	≤11.00	≤10.00	PASS
		5240	-1.12	≤11.00	≤10.00	PASS
		5260	-0.94	≤11.00	≤11.00	PASS
		5280	-1.21	≤11.00	≤11.00	PASS
		5320	-0.42	≤11.00	≤11.00	PASS
		5500	0.37	≤11.00	≤11.00	PASS
		5580	-0.71	≤11.00	≤11.00	PASS
		5700	-0.37	≤11.00	≤11.00	PASS
		5720 UNII-2C	-0.18	≤11.00	≤11.00	PASS
		5720 UNII-3	-3.33	≤30.00	≤30.00	PASS
		5745	-3.24	≤30.00	≤30.00	PASS
		5785	-3.07	≤30.00	≤30.00	PASS
		5825	-3.35	≤30.00	≤30.00	PASS
11AX40SISO	Ant1	5190	-5.88	≤11.00	≤10.00	PASS
		5230	-6.61	≤11.00	≤10.00	PASS
		5270	-6.76	≤11.00	≤11.00	PASS
		5310	-5.72	≤11.00	≤11.00	PASS
		5510	-5.51	≤11.00	≤11.00	PASS
		5550	-5.82	≤11.00	≤11.00	PASS
		5670	-6.27	≤11.00	≤11.00	PASS
		5710 UNII-2C	-5.90	≤11.00	≤11.00	PASS
		5710 UNII-3	-9.70	≤30.00	≤30.00	PASS
		5755	-7.91	≤30.00	≤30.00	PASS
		5795	-8.76	≤30.00	≤30.00	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

2.The Duty Cycle Factor is compensated in the graph.

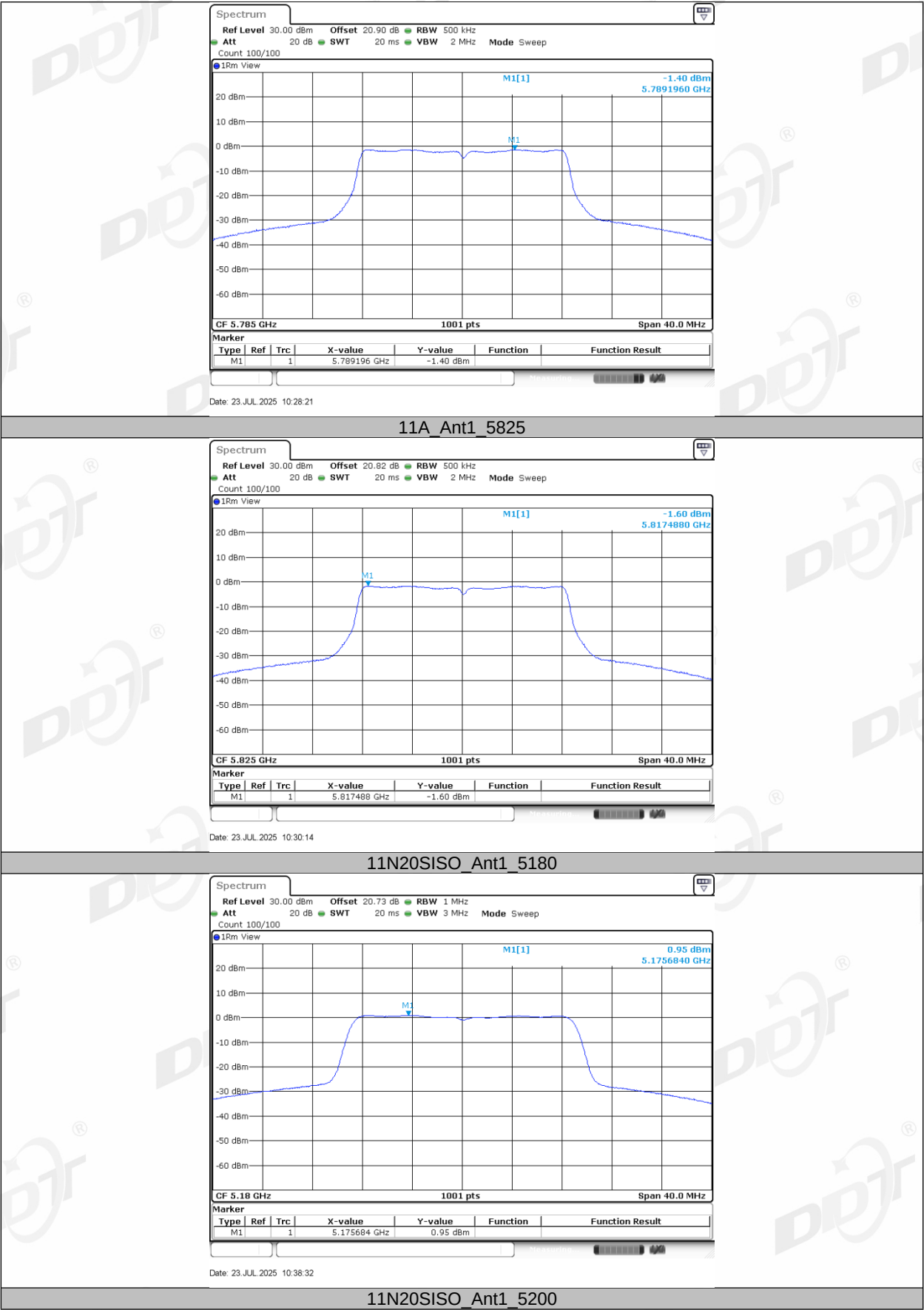
9.5. Test graphs

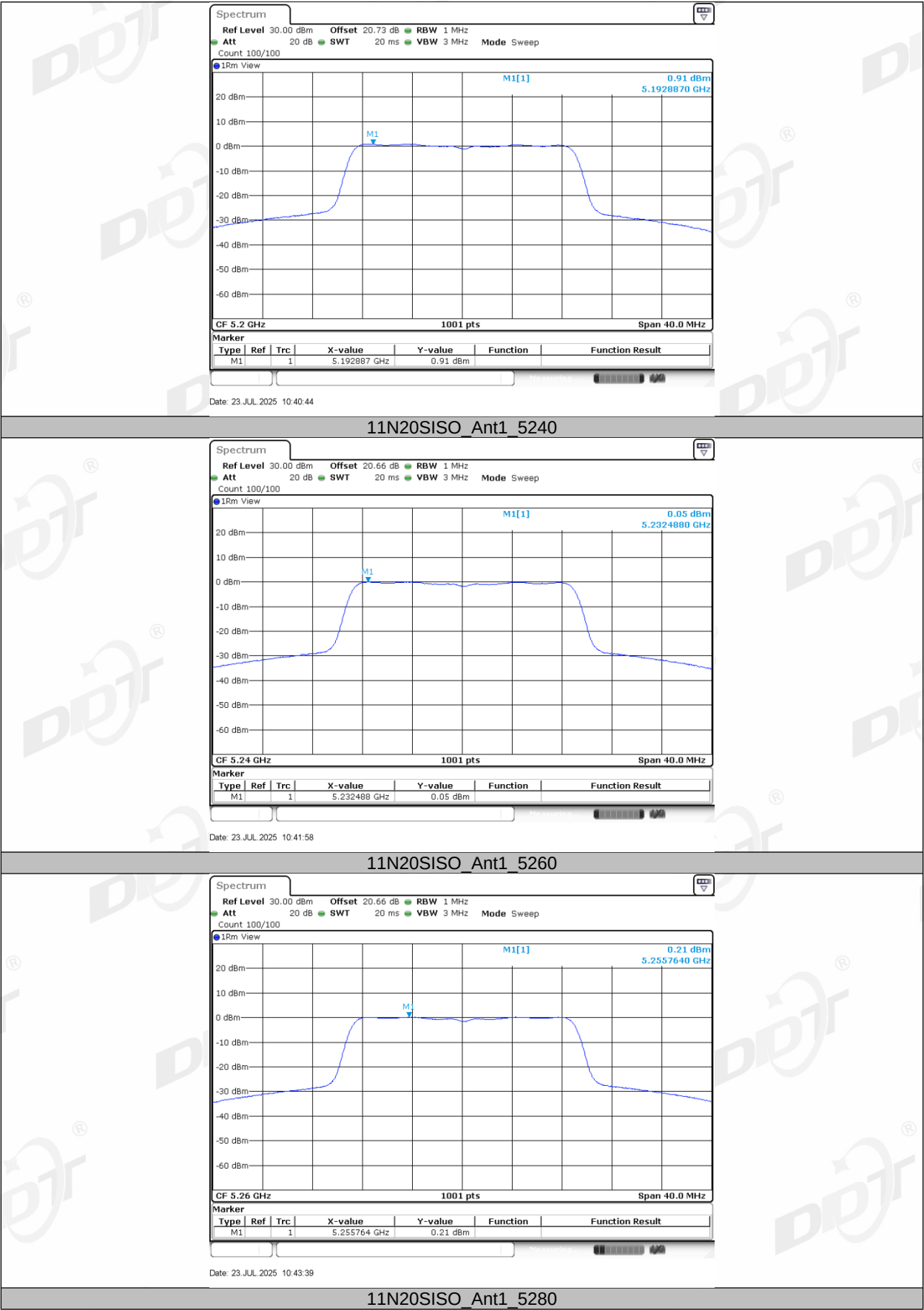


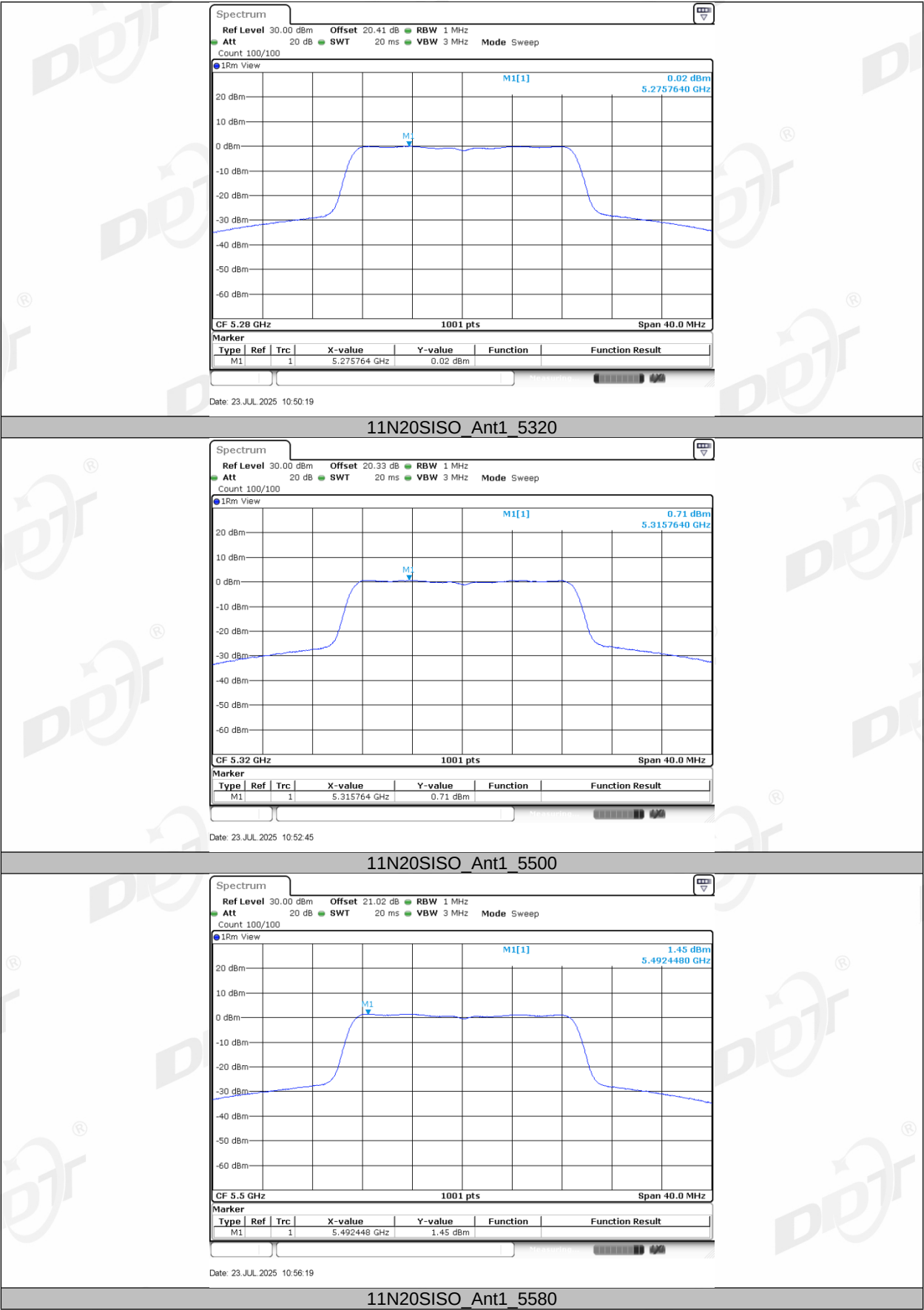




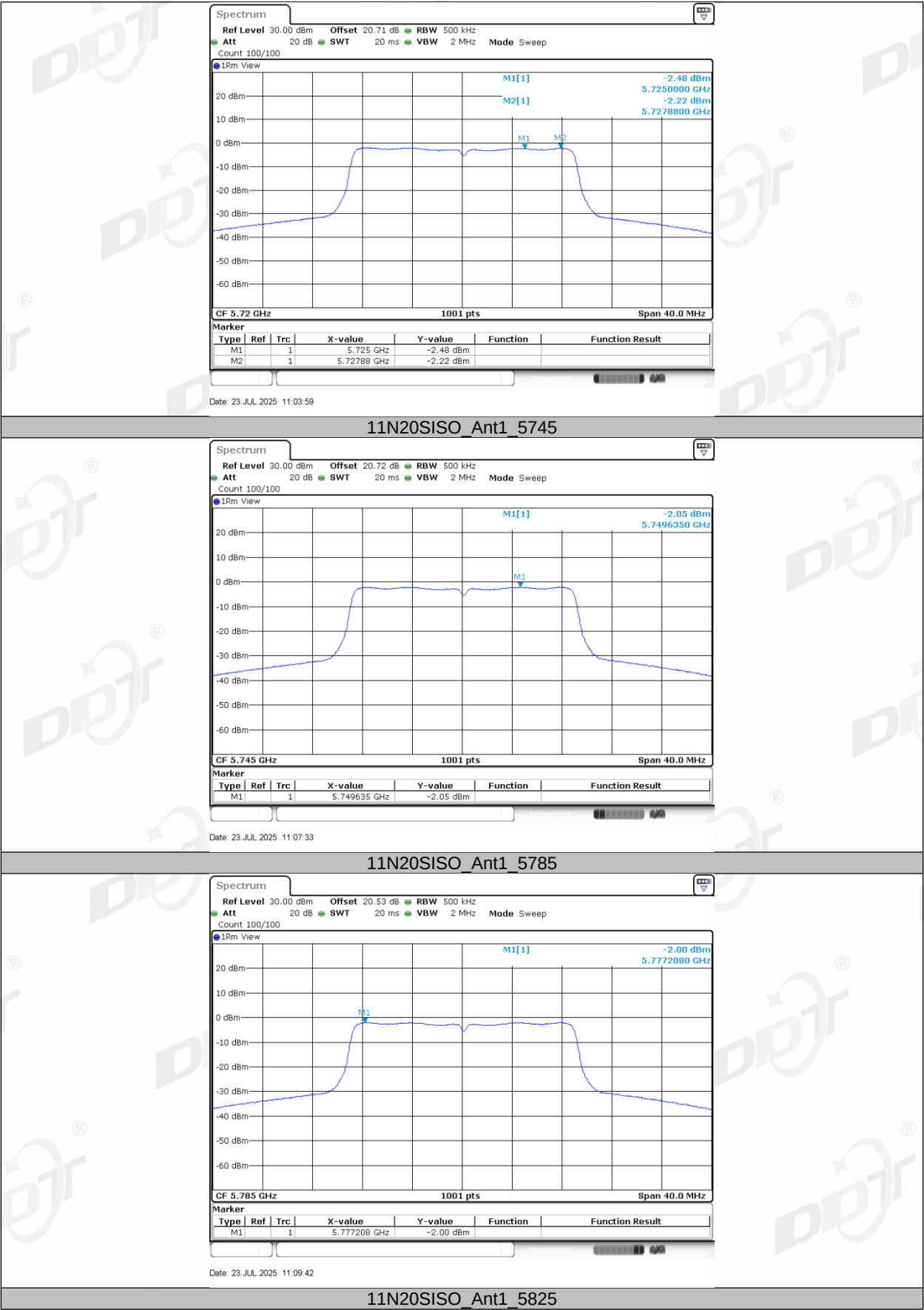


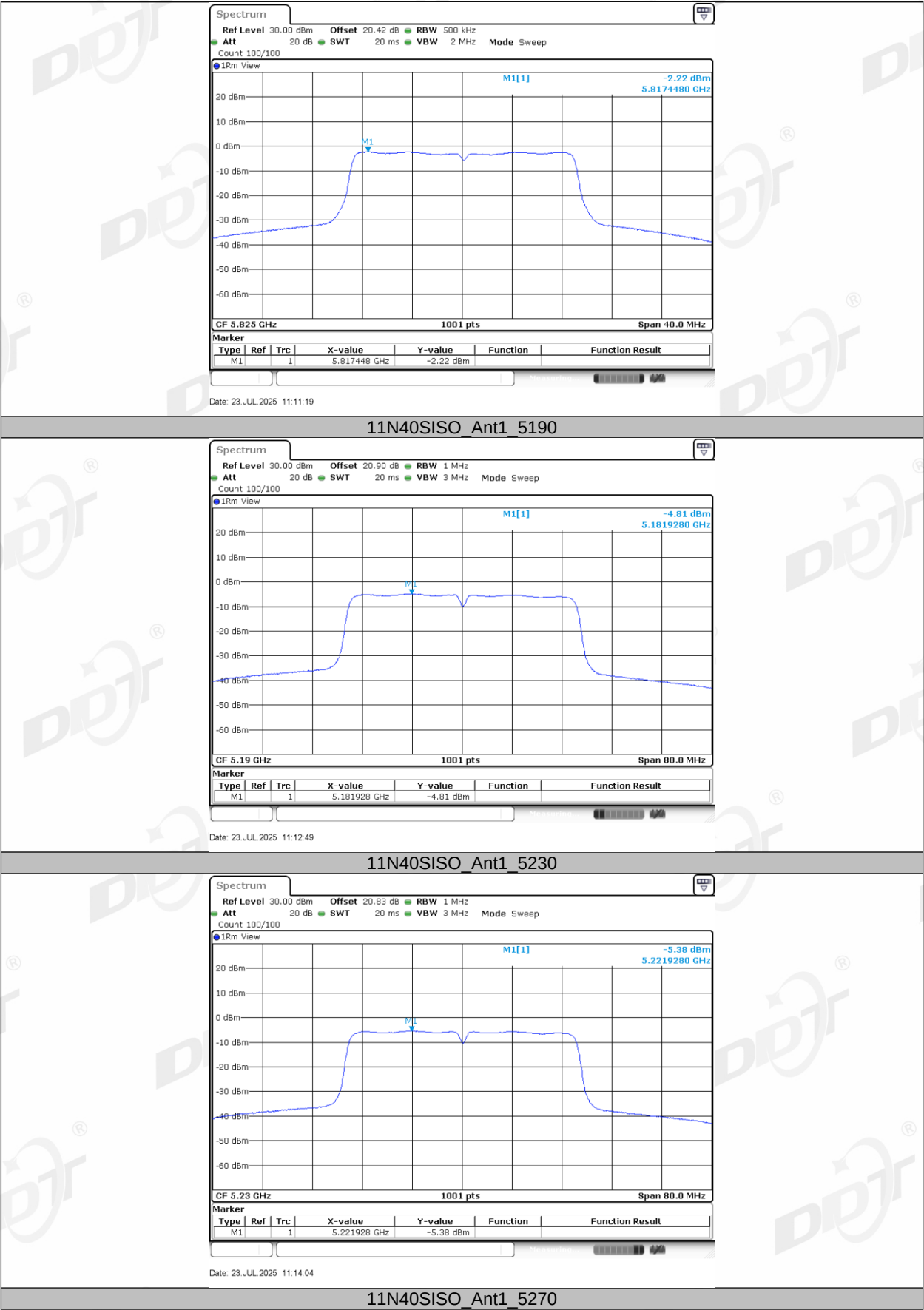


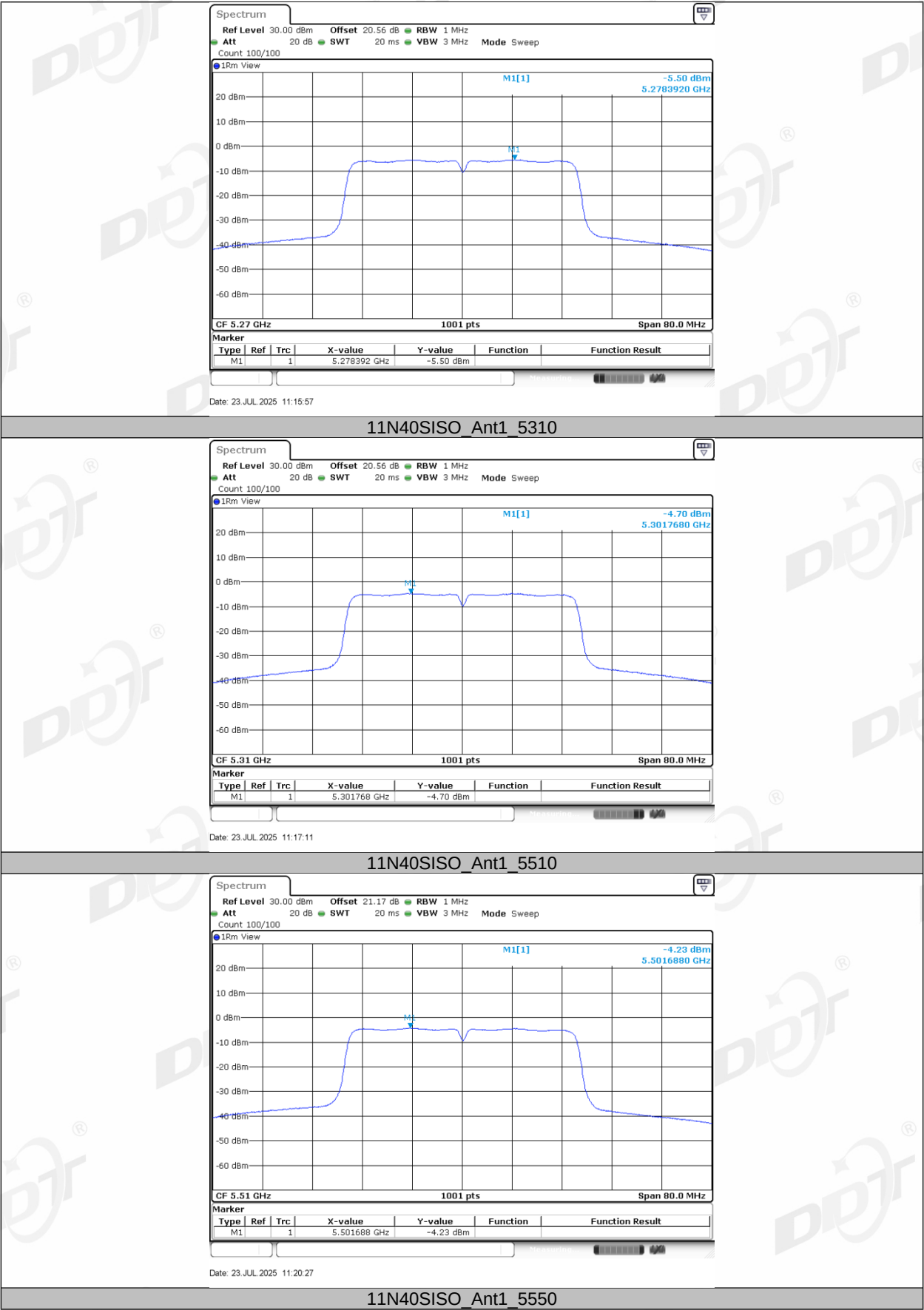


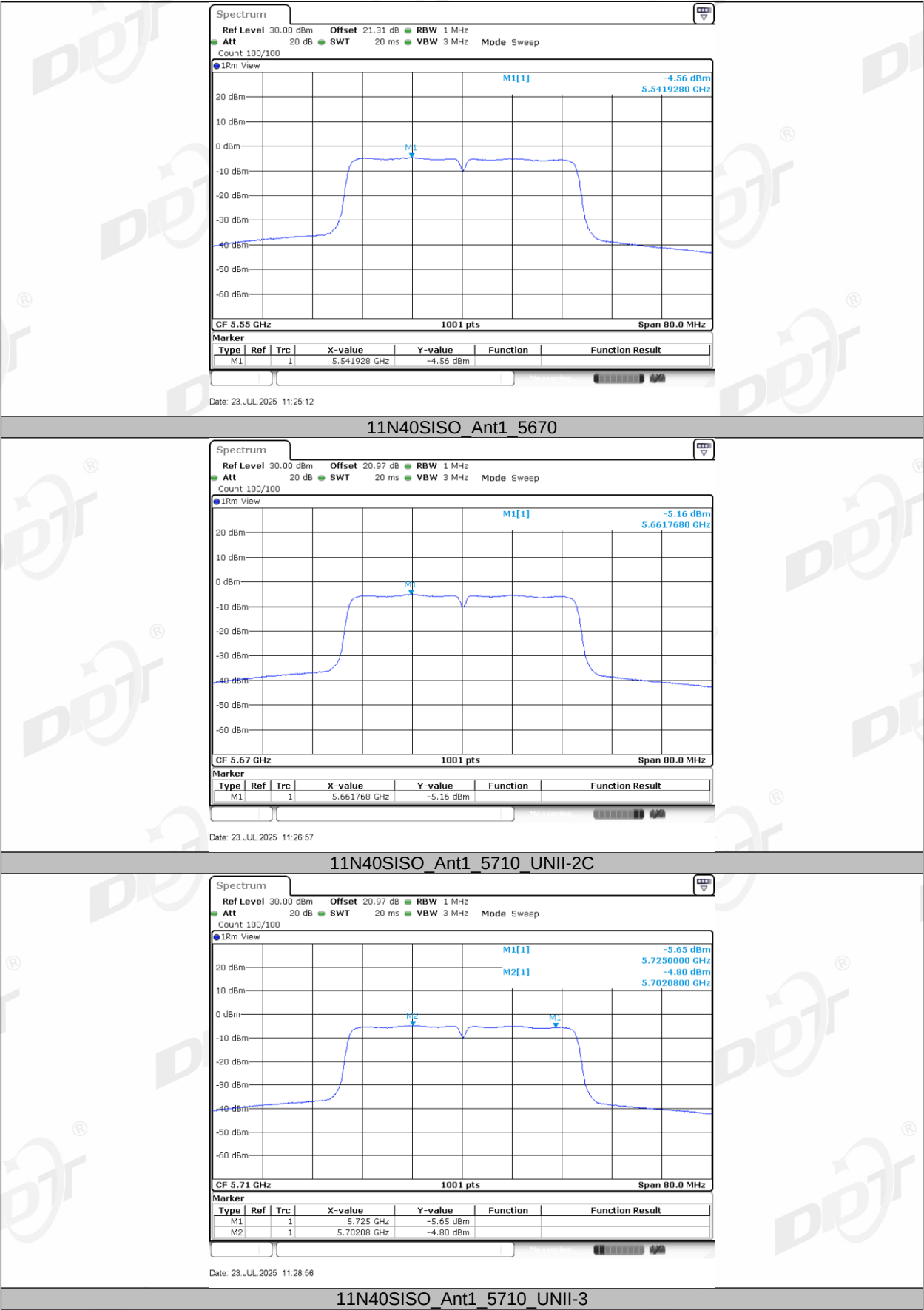


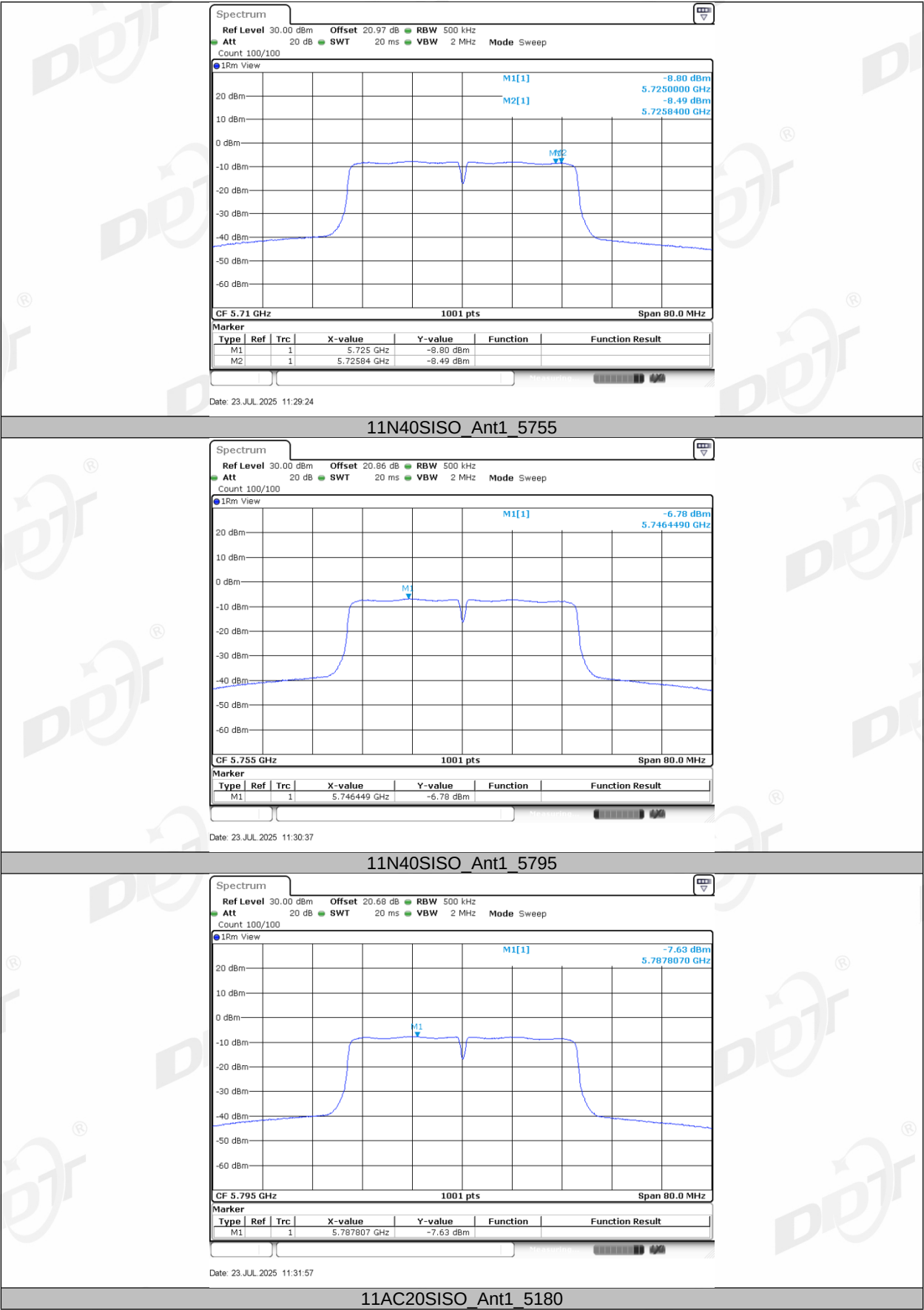


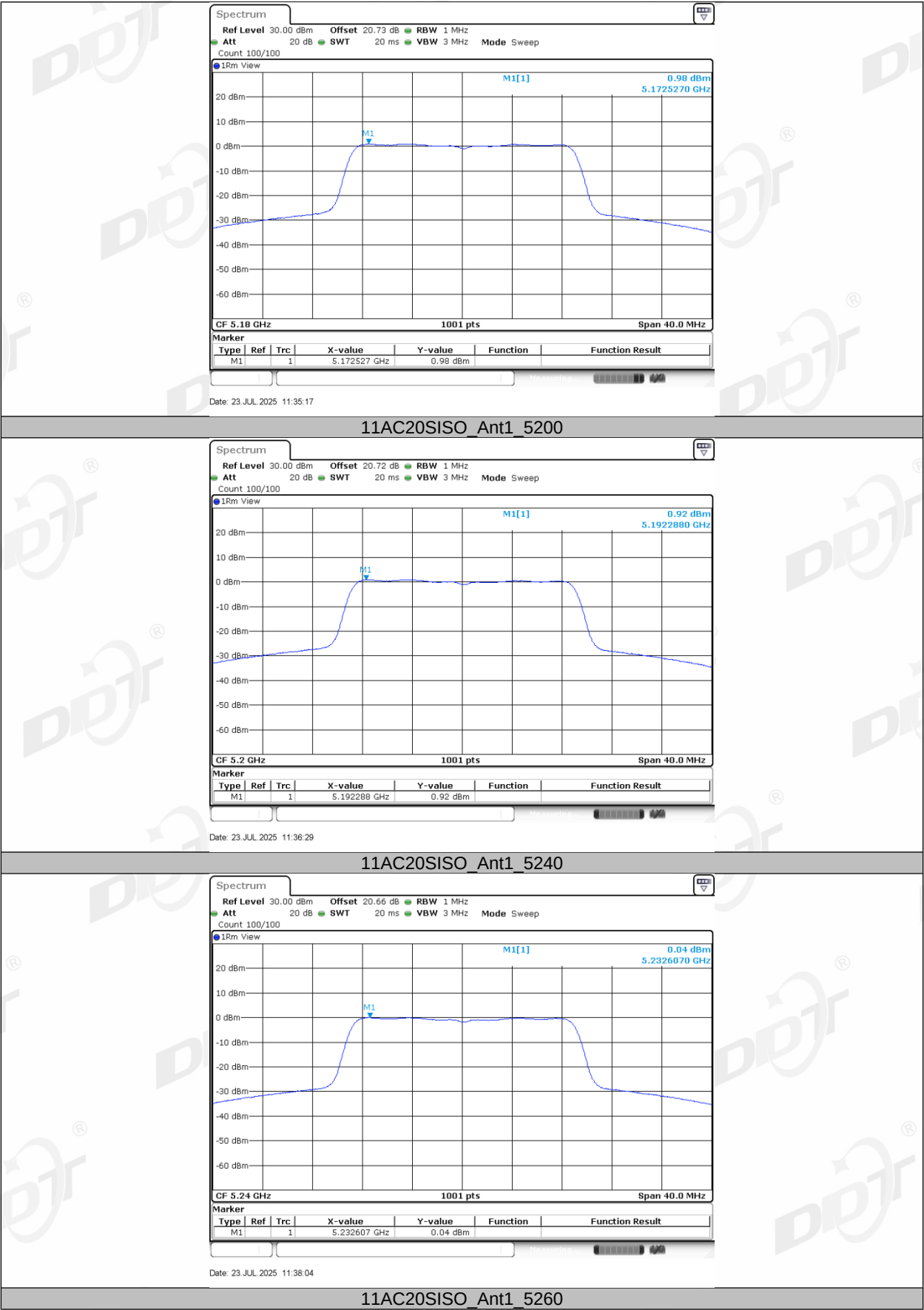


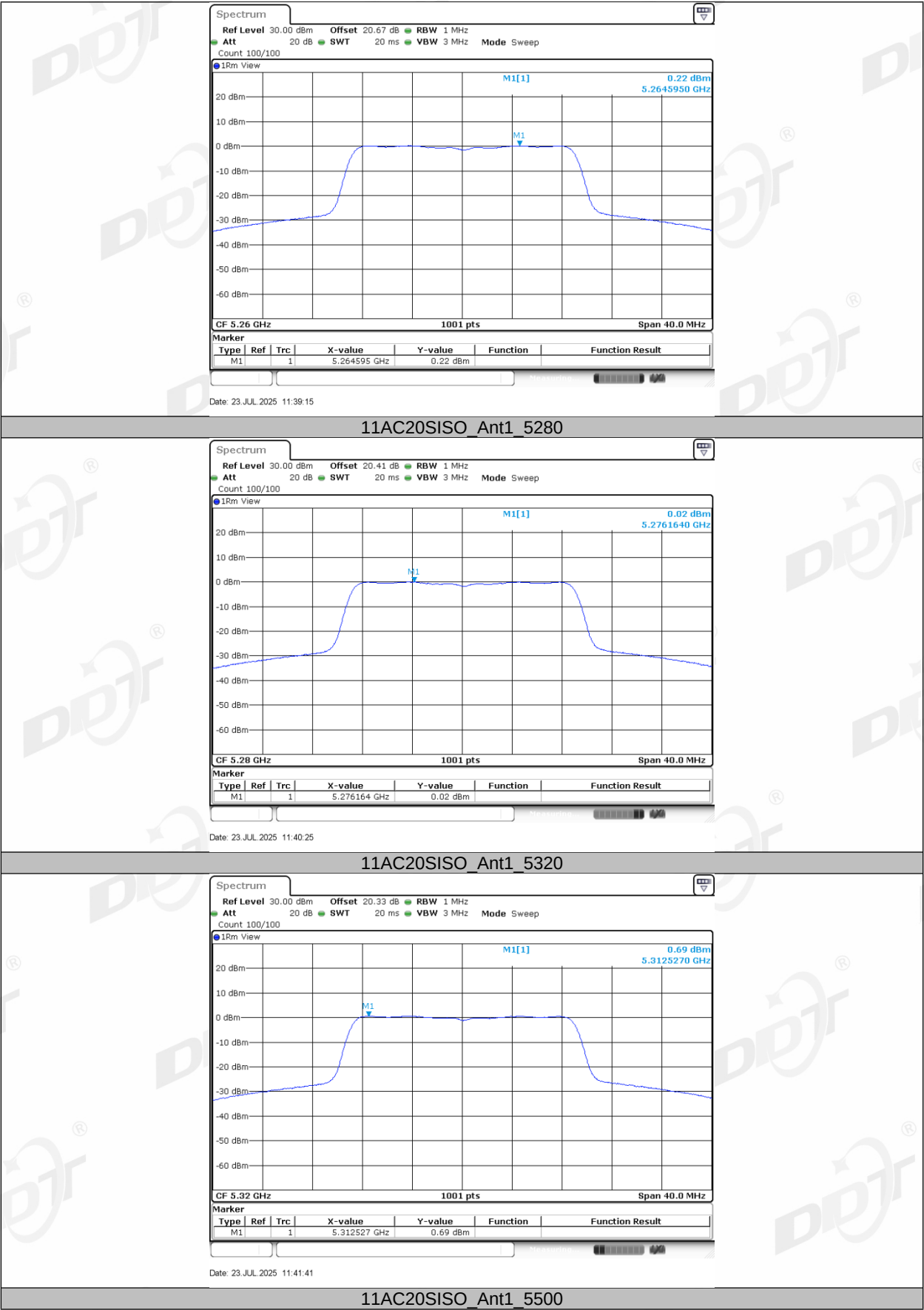


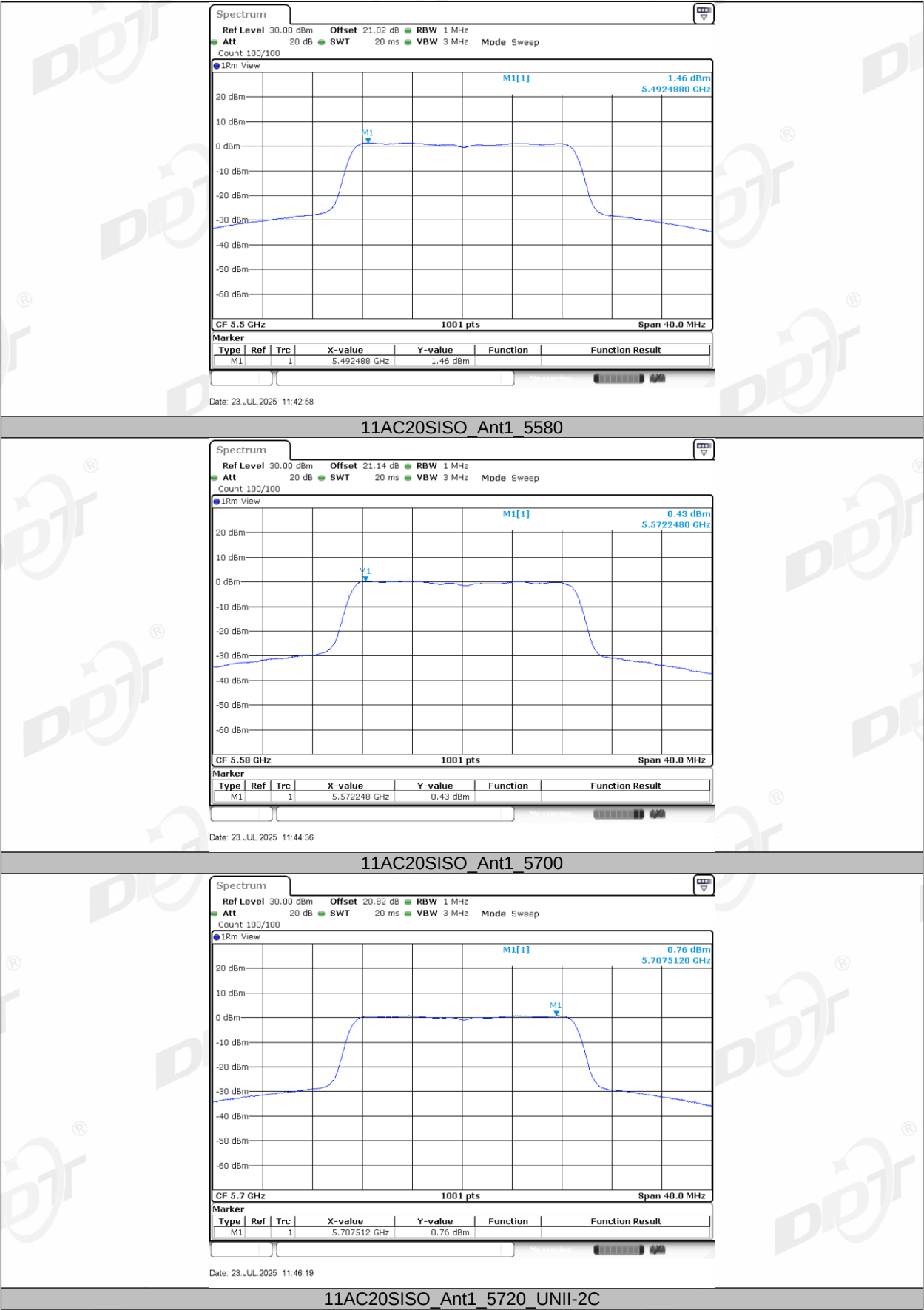






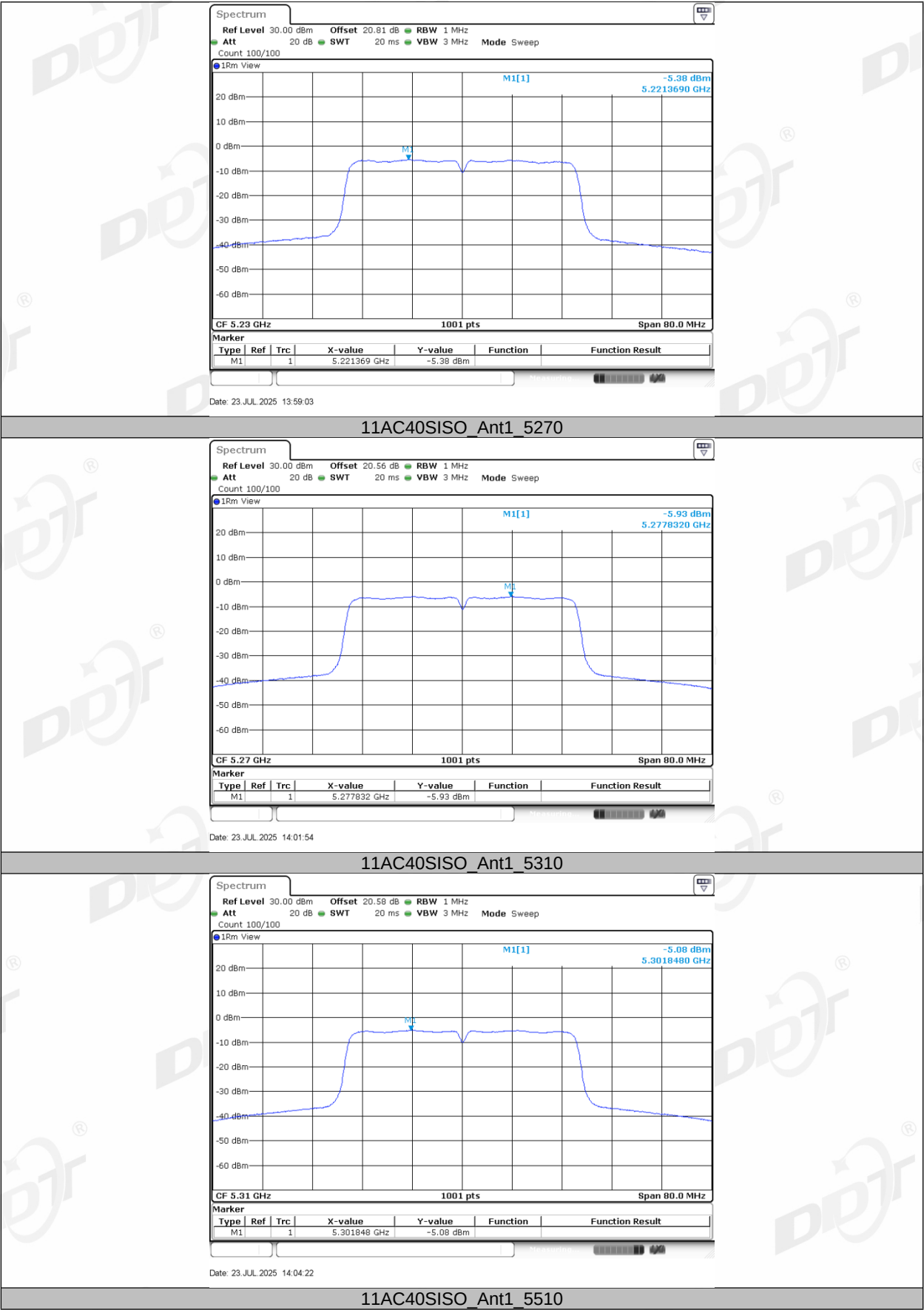


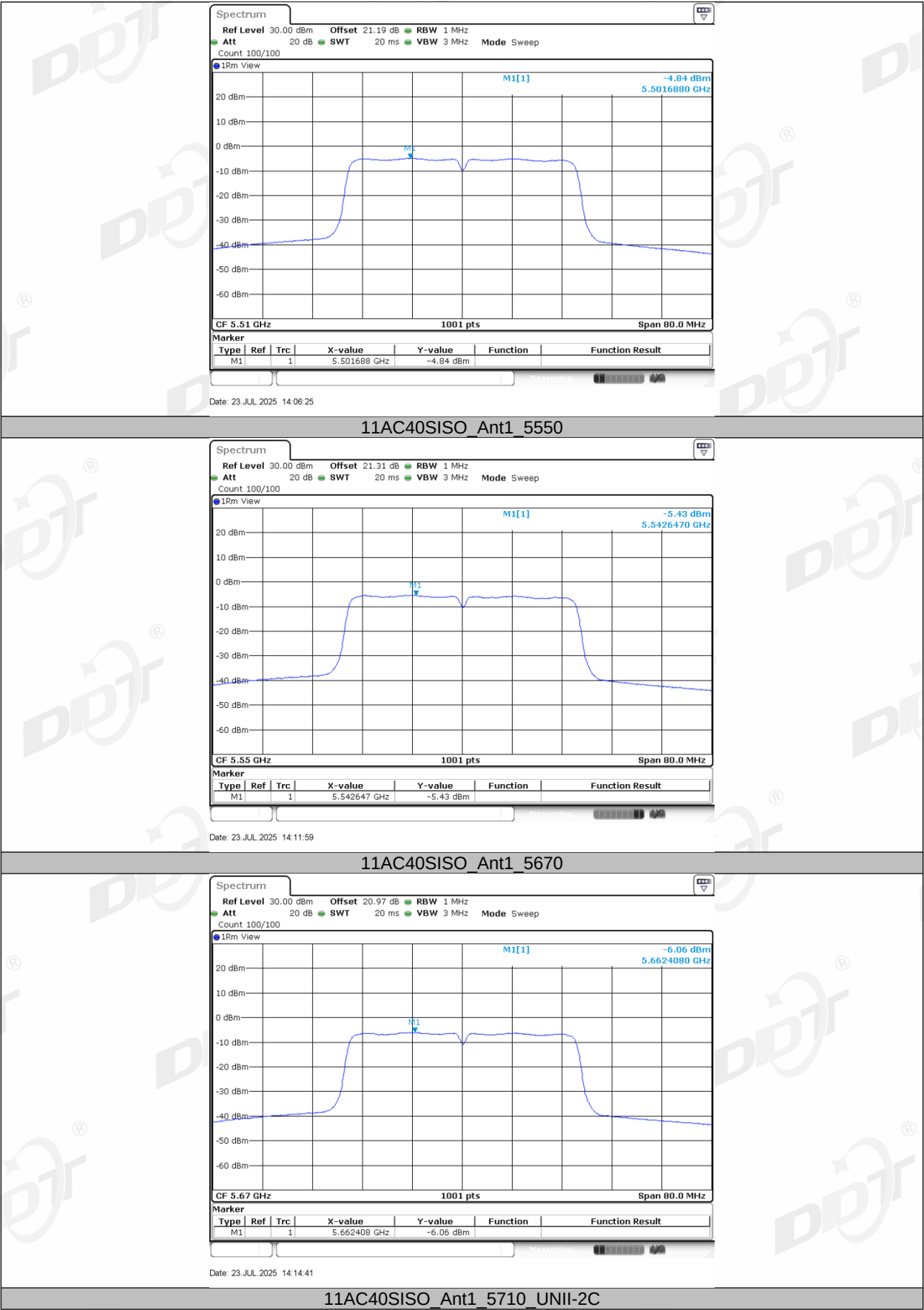


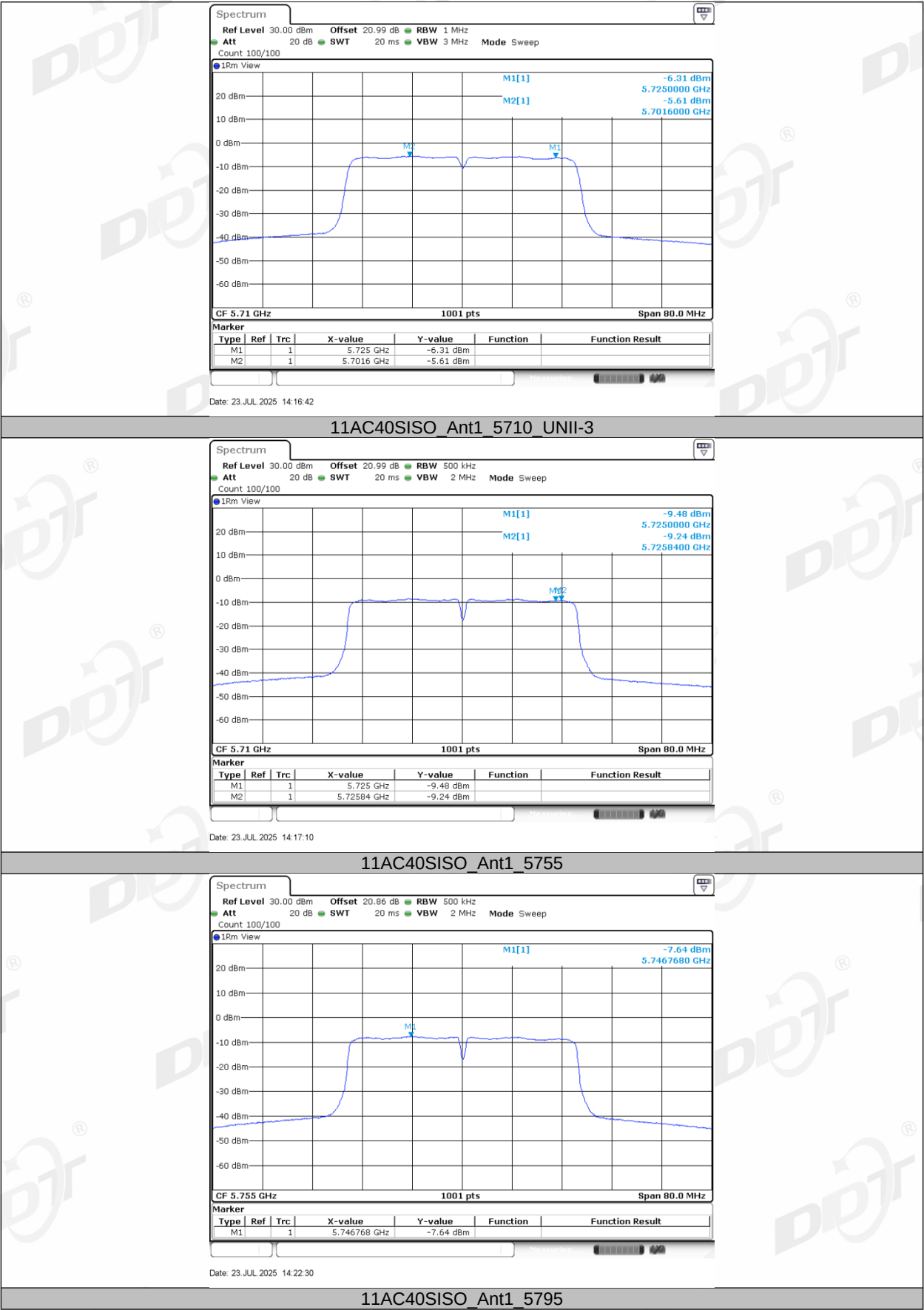


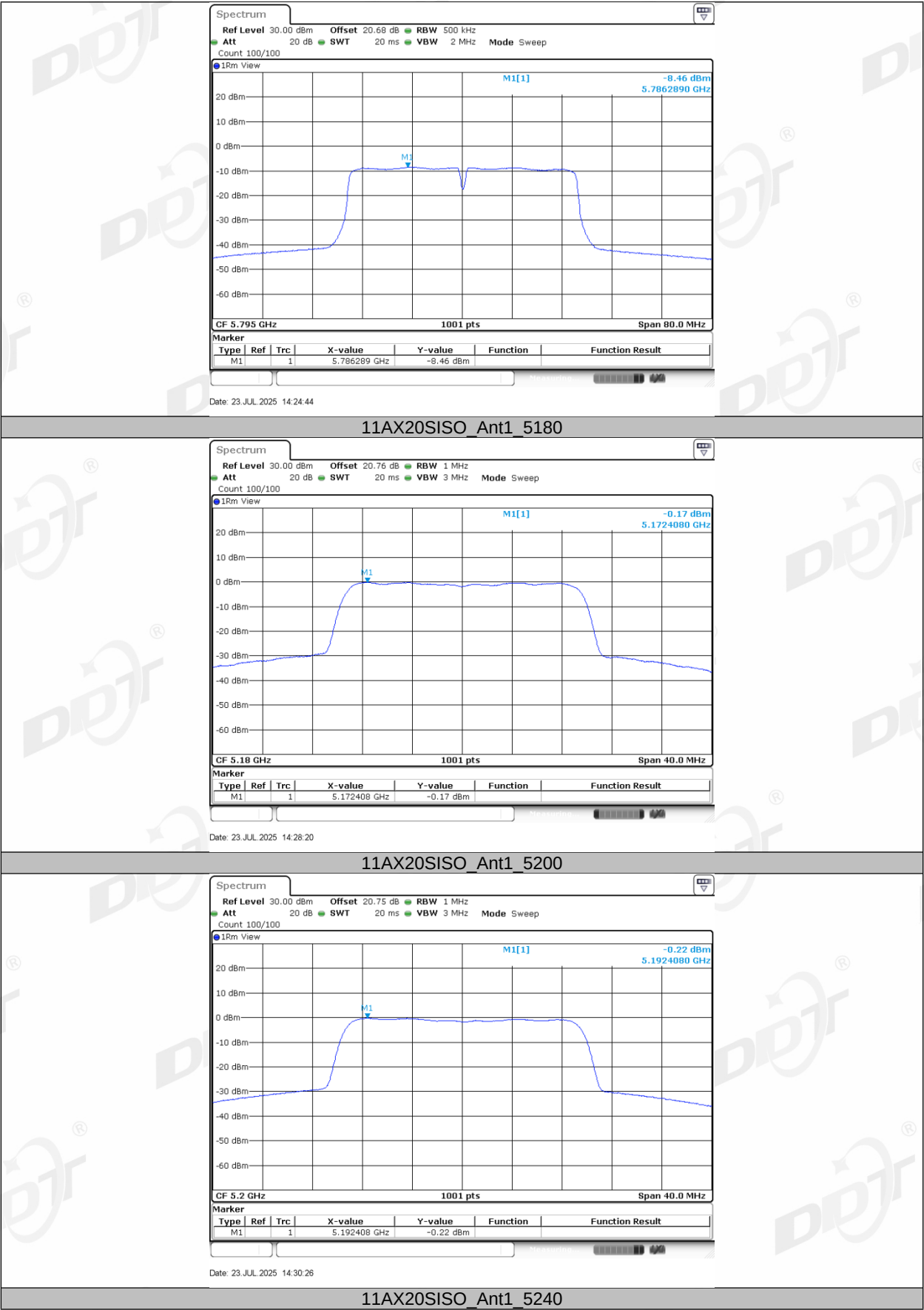


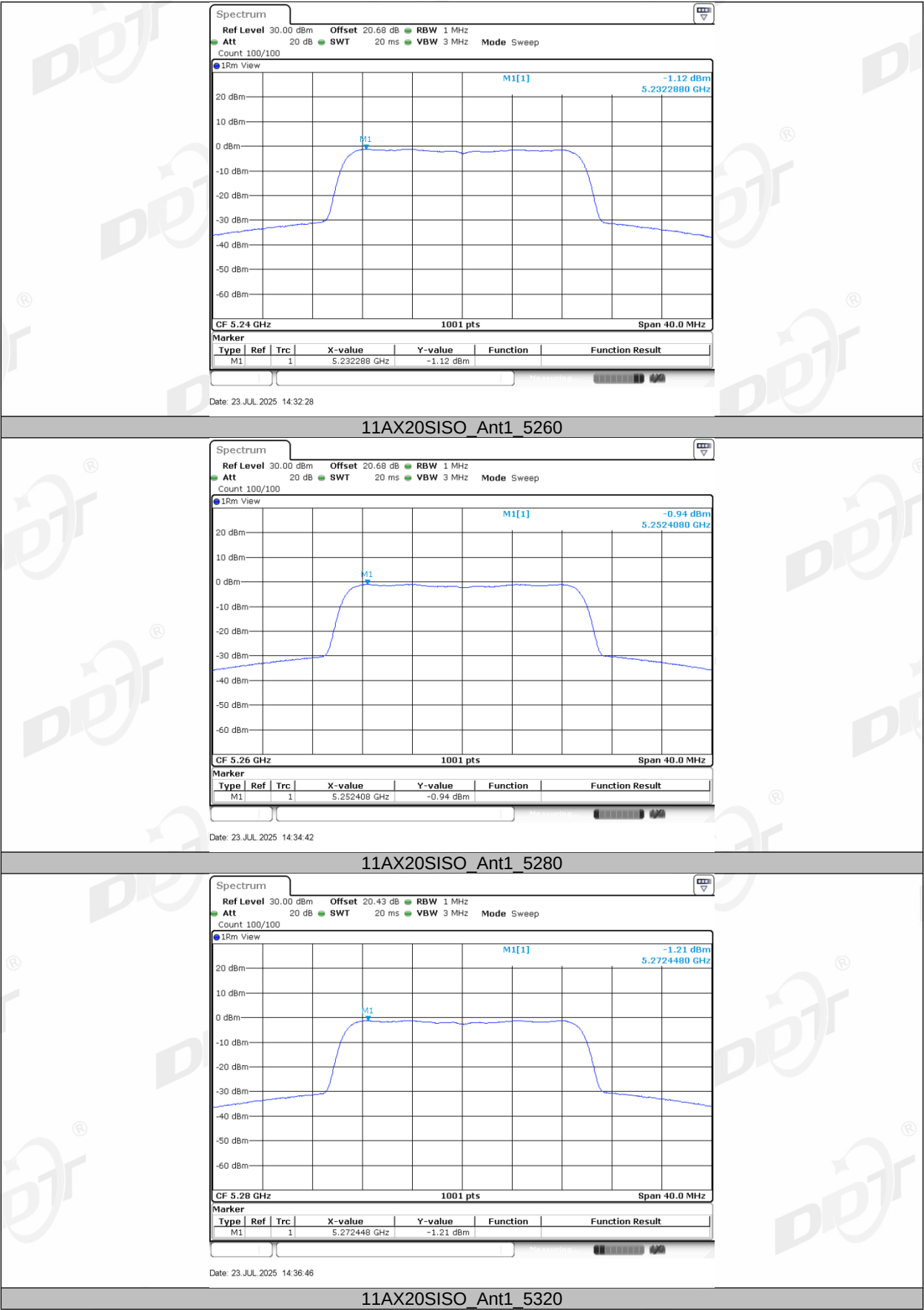


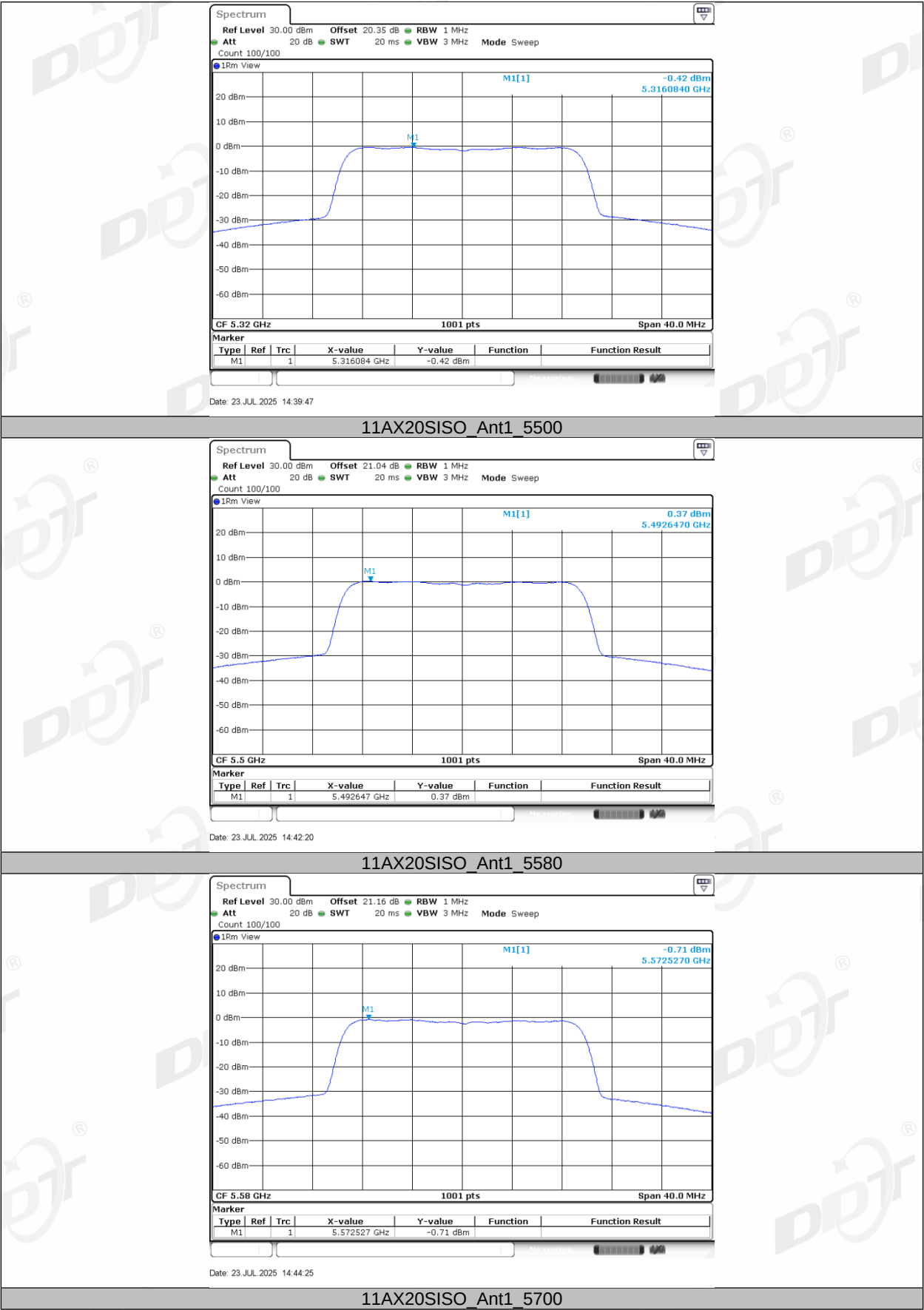


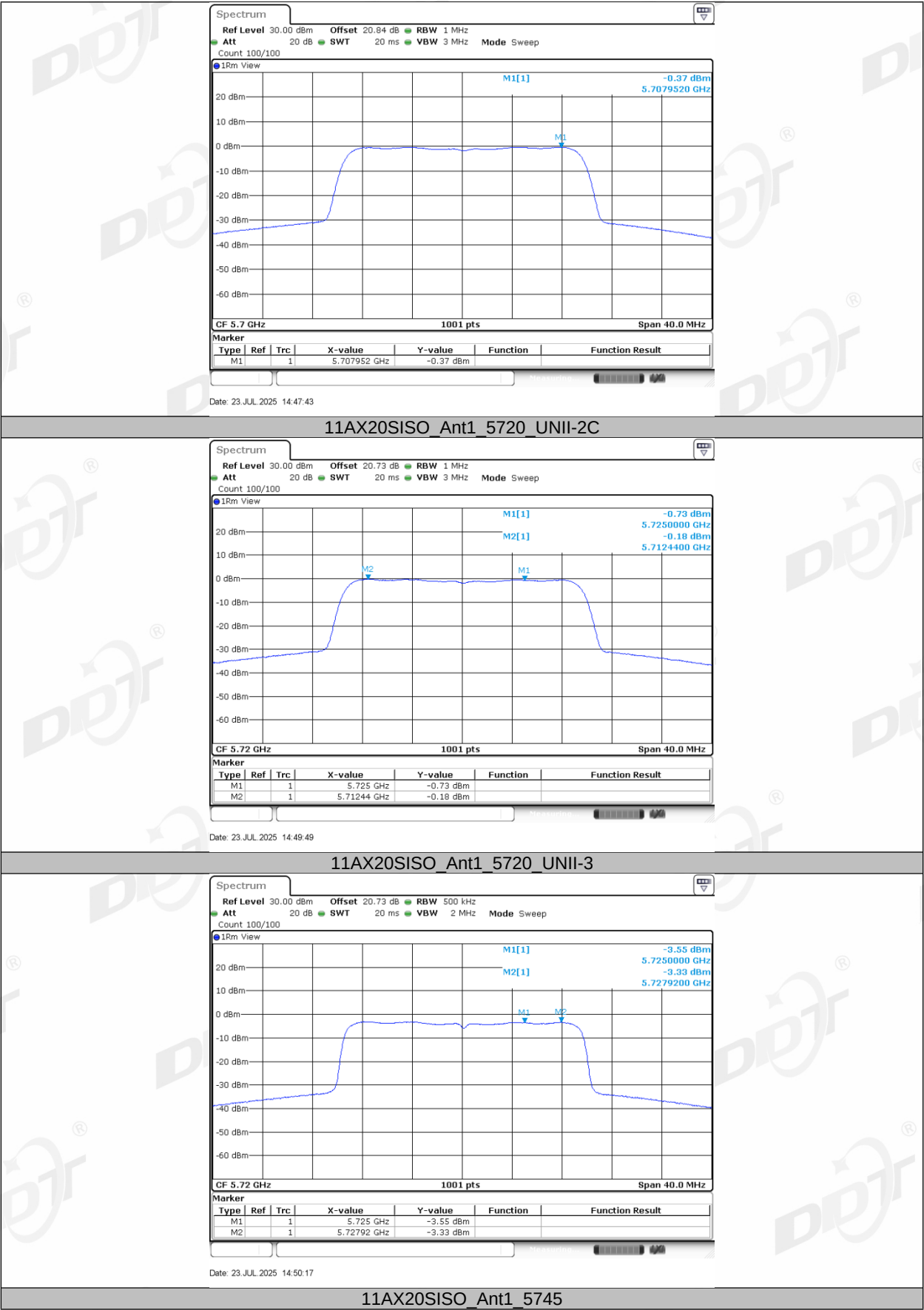


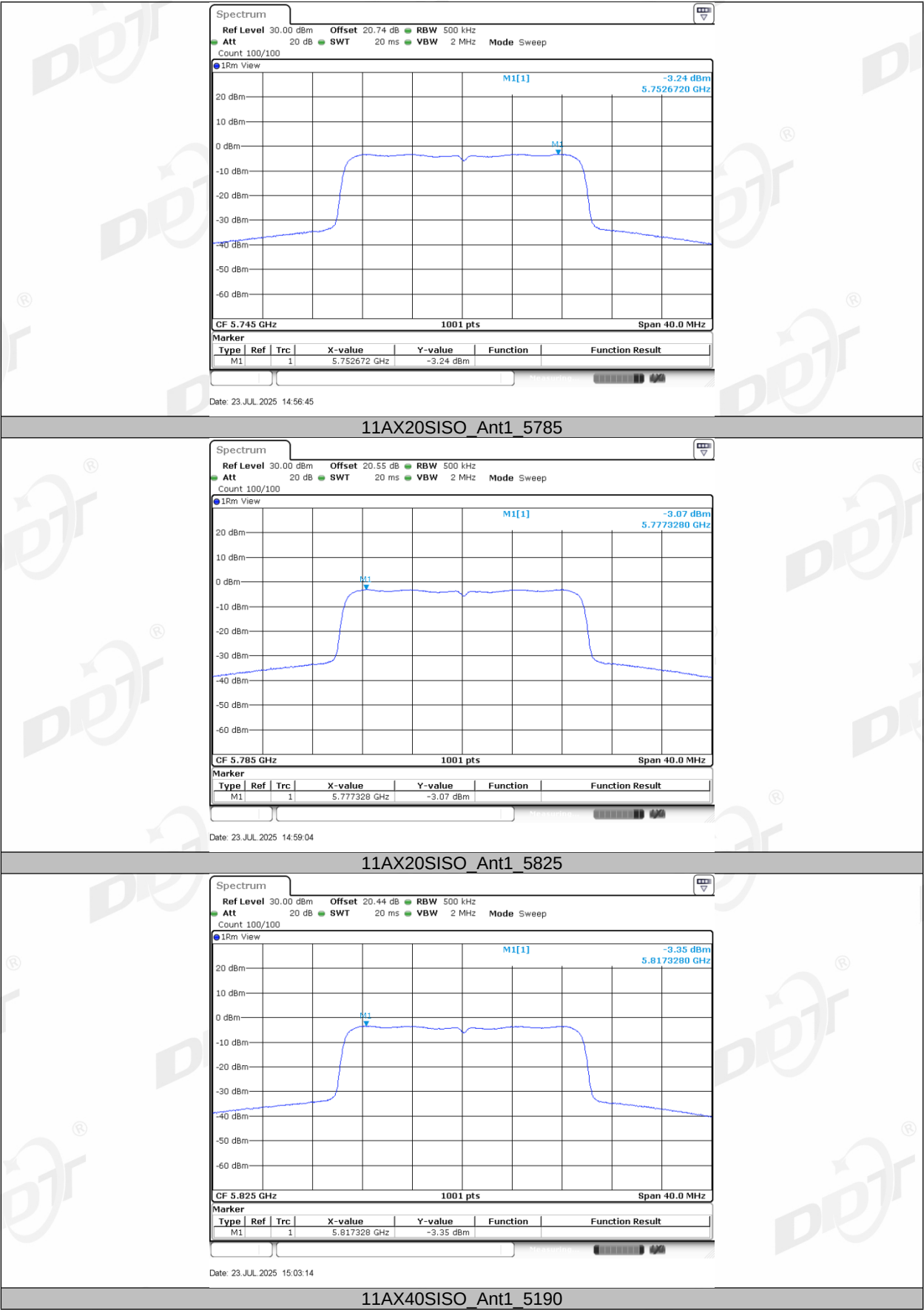


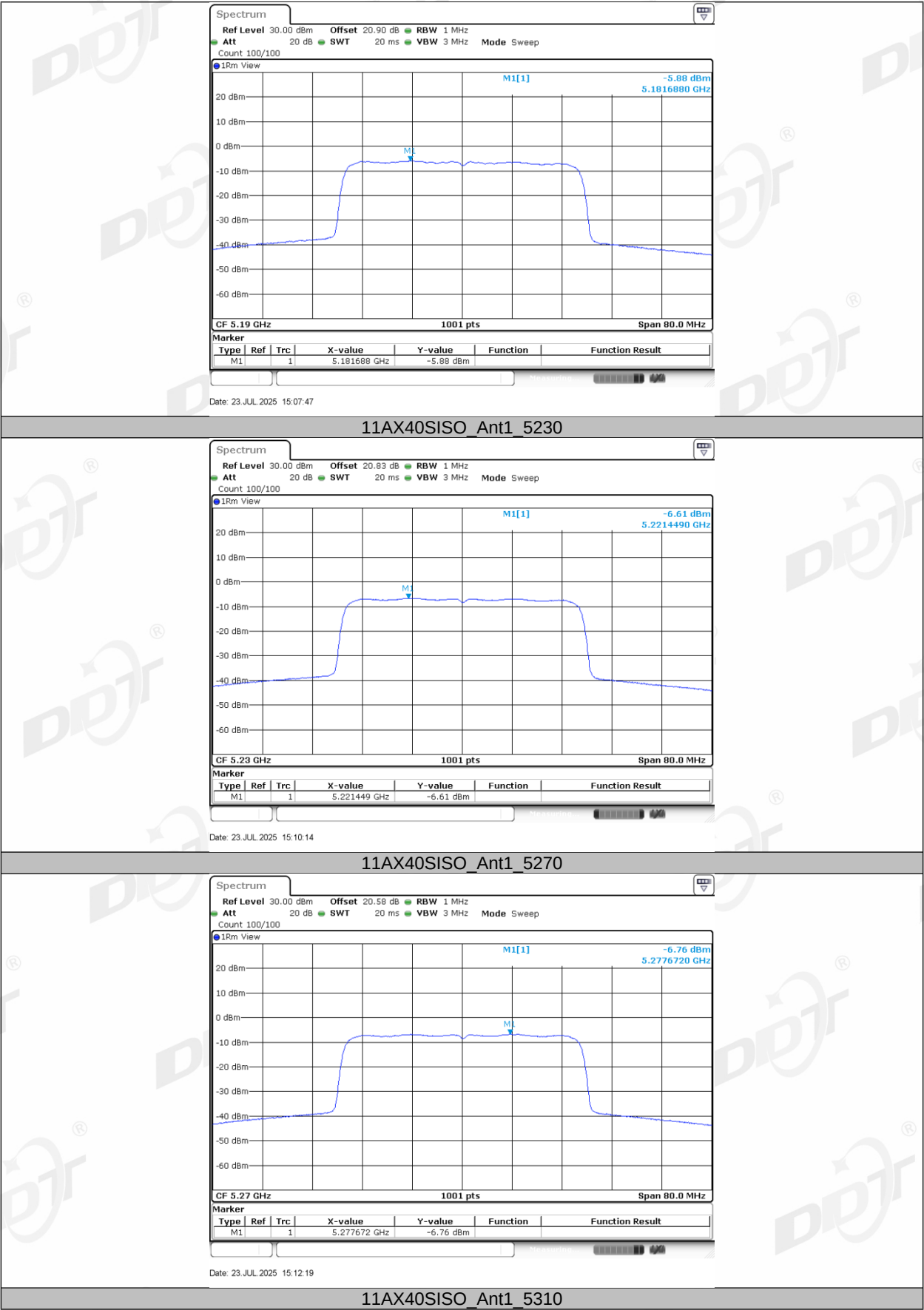


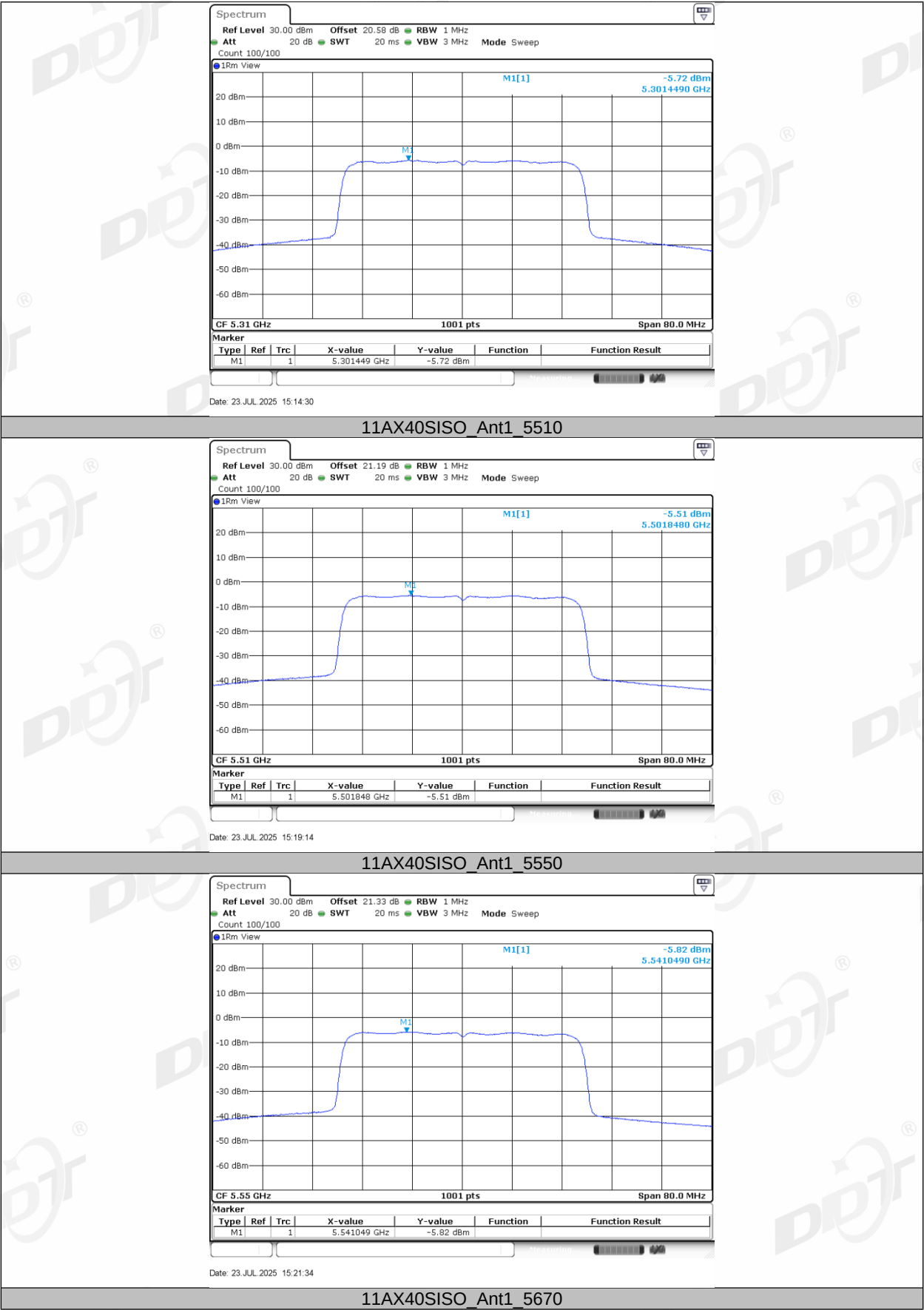


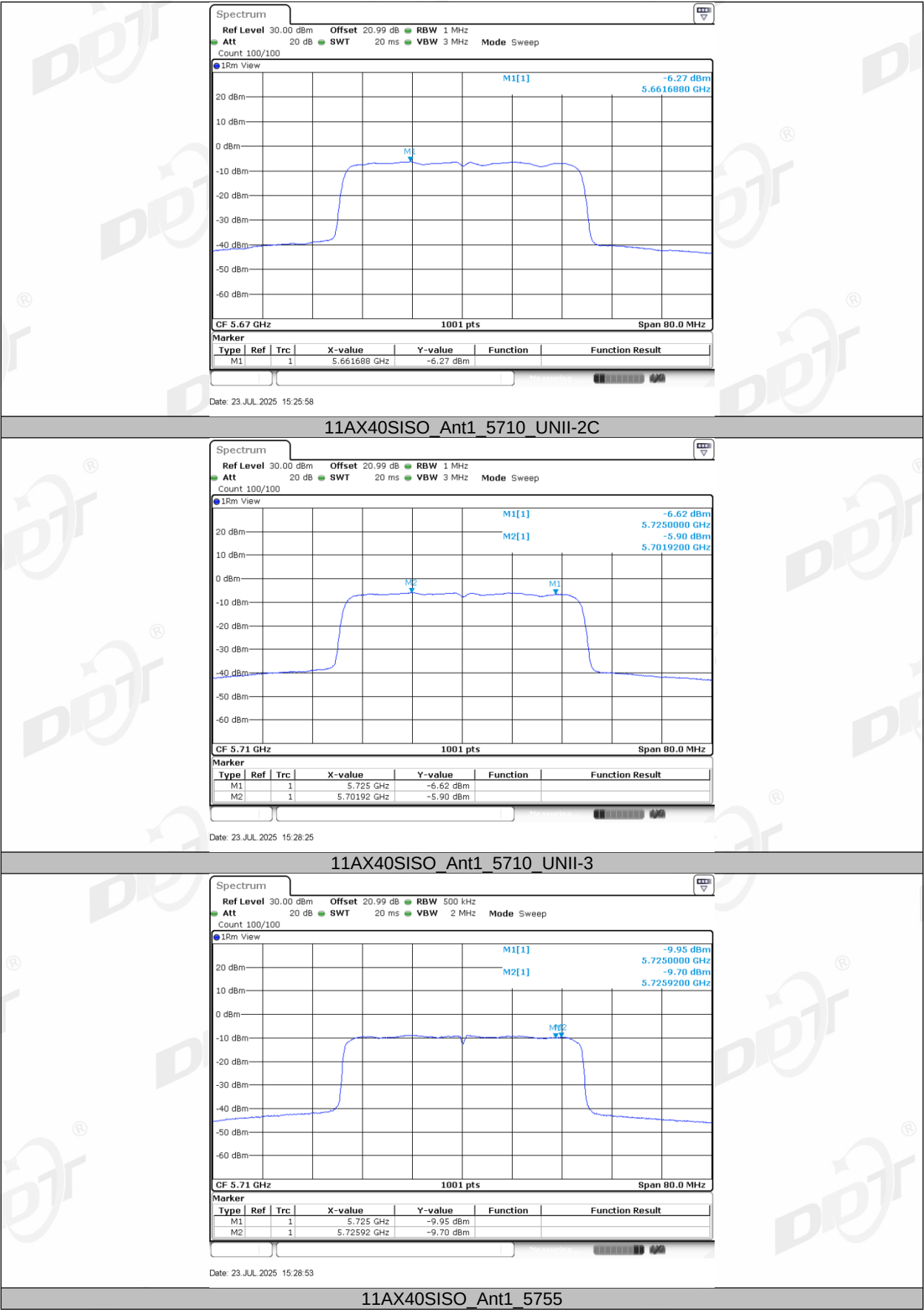


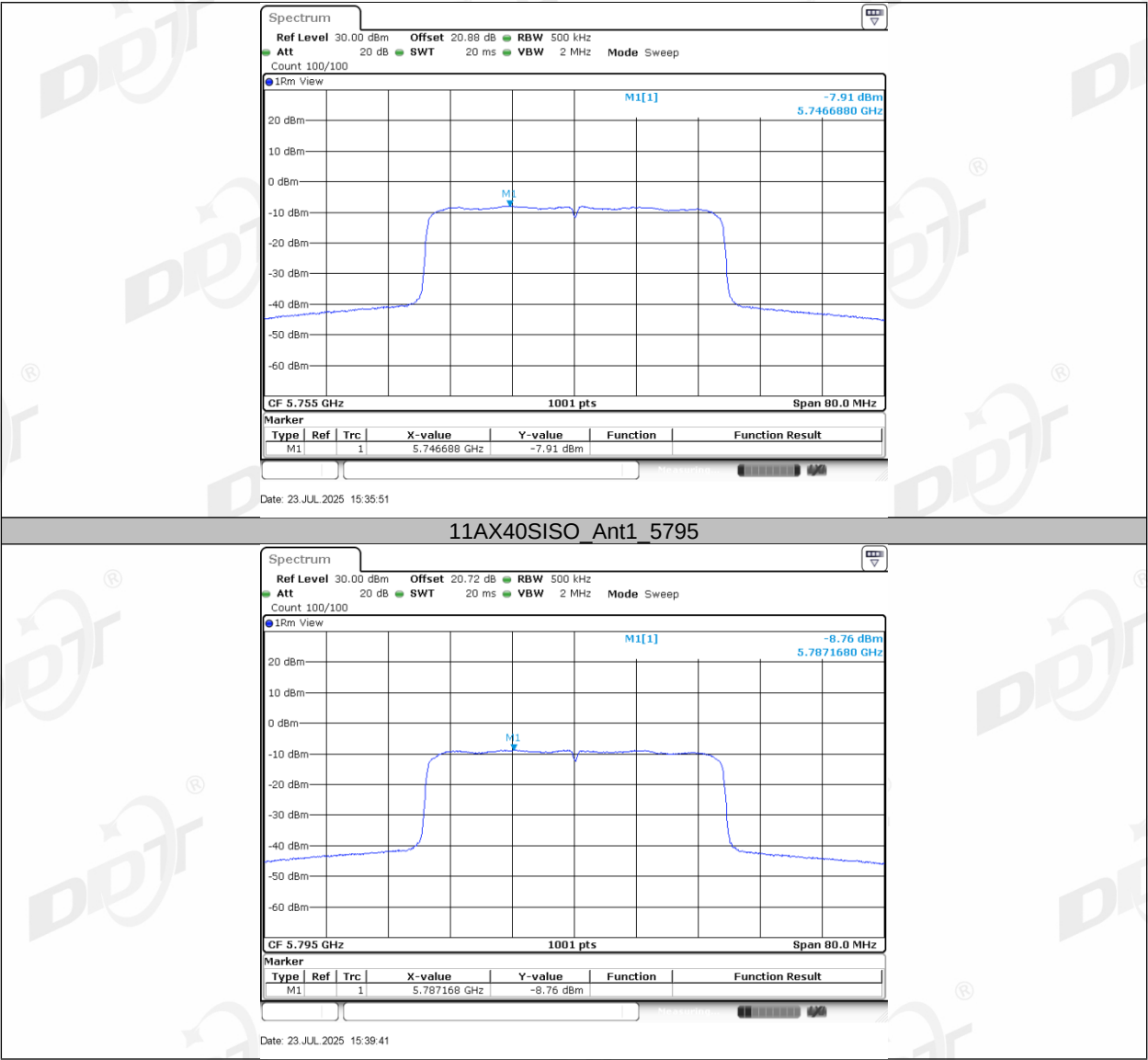












10. Frequency Stability Measurement

10.1. Limit of Frequency Stability

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user’s manual.

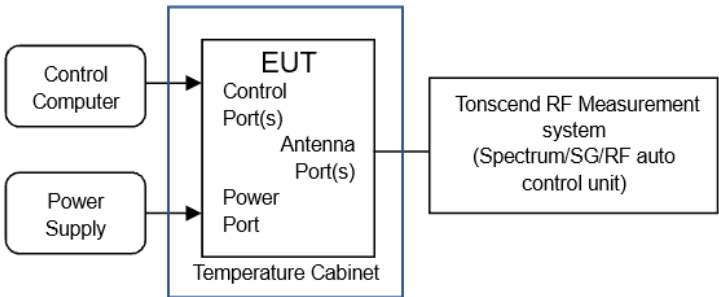
10.2. Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

10.3. Test procedures

- (1) To ensure emission at the band edge is maintained within the authorized band, those values shall be measured by radiation emissions at upper and lower frequency points, and finally compensated by frequency deviation as procedures below.
- (2) The EUT was operated at the maximum output power, and connected to the spectrum analyzer, which is set to maximum hold function and peak detector. The peak value of the power envelope was measured and noted. The upper and lower frequency points were respectively measured relatively 10 dB lower than the measured peak value.
- (3) The frequency deviation was calculated by adding the upper frequency point and the lower frequency point divided by two. Those detailed values of frequency deviation are provided in table below.

10.4. Test setup



10.5. Test result

Test Engineer:	Zeng Zhongyao	Test Site:	RF Measurement System 3#
Ambient Condition:	25.2-26.8℃,34.7-41.5%RH	Test Date:	2025.07.17-2025.07.23
Test Power Supply:	AC 120V	Sample Number:	S25061119-001

Voltage								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	80000.00	15.444015	20	PASS
			LV	NT	80000.00	15.444015	20	PASS
			HV	NT	80000.00	15.444015	20	PASS
		5200	NV	NT	80000.00	15.384615	20	PASS
			LV	NT	80000.00	15.384615	20	PASS
			HV	NT	80000.00	15.384615	20	PASS
		5240	NV	NT	40000.00	7.633588	20	PASS
			LV	NT	60000.00	11.450382	20	PASS
			HV	NT	40000.00	7.633588	20	PASS
		5260	NV	NT	60000.00	11.406844	20	PASS
			LV	NT	60000.00	11.406844	20	PASS
			HV	NT	80000.00	15.209125	20	PASS
		5280	NV	NT	40000.00	7.575758	20	PASS
			LV	NT	40000.00	7.575758	20	PASS
			HV	NT	40000.00	7.575758	20	PASS
		5320	NV	NT	80000.00	15.037594	20	PASS
			LV	NT	80000.00	15.037594	20	PASS
			HV	NT	80000.00	15.037594	20	PASS
		5500	NV	NT	80000.00	14.545455	20	PASS
			LV	NT	80000.00	14.545455	20	PASS
			HV	NT	80000.00	14.545455	20	PASS
		5580	NV	NT	80000.00	14.336918	20	PASS
			LV	NT	100000.00	17.921147	20	PASS
			HV	NT	80000.00	14.336918	20	PASS
		5700	NV	NT	100000.00	17.543860	20	PASS
			LV	NT	100000.00	17.543860	20	PASS
			HV	NT	100000.00	17.543860	20	PASS
		5720	NV	NT	100000.00	17.482517	20	PASS
			LV	NT	100000.00	17.482517	20	PASS
			HV	NT	100000.00	17.482517	20	PASS
		5745	NV	NT	100000.00	17.406440	20	PASS
			LV	NT	80000.00	13.925152	20	PASS
			HV	NT	80000.00	13.925152	20	PASS
		5785	NV	NT	80000.00	12.828868	20	PASS
			LV	NT	80000.00	12.828868	20	PASS
			HV	NT	100000.00	17.286085	20	PASS
		5825	NV	NT	40000.00	6.8669527	20	PASS
			LV	NT	40000.00	6.8669527	20	PASS
			HV	NT	40000.00	6.8669527	20	PASS
11N40SIS O	Ant1	5190	NV	NT	80000.00	15.414258	20	PASS
			LV	NT	80000.00	15.414258	20	PASS
			HV	NT	80000.00	15.414258	20	PASS
		5230	NV	NT	80000.00	15.296367	20	PASS
			LV	NT	80000.00	15.296367	20	PASS
			HV	NT	80000.00	15.296367	20	PASS
		5270	NV	NT	80000.00	15.180266	20	PASS
			LV	NT	80000.00	15.180266	20	PASS
			HV	NT	80000.00	15.180266	20	PASS
		5310	NV	NT	40000.00	5.5329567	20	PASS
			LV	NT	40000.00	5.5329567	20	PASS
			HV	NT	40000.00	5.5329567	20	PASS
		5510	NV	NT	80000.00	14.519056	20	PASS
			LV	NT	80000.00	14.519056	20	PASS

		5550	HV	NT	80000.00	14.519056	20	PASS
			NV	NT	80000.00	14.414414	20	PASS
			LV	NT	80000.00	14.414414	20	PASS
			HV	NT	80000.00	14.414414	20	PASS
		5670	NV	NT	80000.00	14.109347	20	PASS
			LV	NT	80000.00	14.109347	20	PASS
			HV	NT	80000.00	14.109347	20	PASS
		5710	NV	NT	100000.00	17.513135	20	PASS
			LV	NT	100000.00	17.513135	20	PASS
			HV	NT	100000.00	17.513135	20	PASS
		5755	NV	NT	100000.00	17.376195	20	PASS
			LV	NT	100000.00	17.376195	20	PASS
			HV	NT	100000.00	17.376195	20	PASS
		5795	NV	NT	80000.00	13.805004	20	PASS
			LV	NT	80000.00	13.805004	20	PASS
			HV	NT	80000.00	13.805004	20	PASS

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	-20	80000.00	15.444015	20	PASS
			NV	-10	80000.00	15.444015	20	PASS
			NV	0	80000.00	15.444015	20	PASS
			NV	10	80000.00	15.444015	20	PASS
			NV	20	80000.00	15.444015	20	PASS
			NV	30	100000.00	19.305019	20	PASS
			NV	40	80000.00	15.444015	20	PASS
		5200	NV	-20	100000.00	19.230769	20	PASS
			NV	-10	100000.00	19.230769	20	PASS
			NV	0	80000.00	15.384615	20	PASS
			NV	10	80000.00	15.384615	20	PASS
			NV	20	80000.00	15.384615	20	PASS
			NV	30	80000.00	15.384615	20	PASS
			NV	40	80000.00	15.384615	20	PASS
		5240	NV	-20	40000.00	7.633588	20	PASS
			NV	-10	40000.00	7.633588	20	PASS
			NV	0	40000.00	7.633588	20	PASS
			NV	10	40000.00	7.633588	20	PASS
			NV	20	40000.00	7.633588	20	PASS
			NV	30	40000.00	7.633588	20	PASS
			NV	40	40000.00	7.633588	20	PASS
		5260	NV	-20	80000.00	15.209125	20	PASS
			NV	-10	80000.00	15.209125	20	PASS
			NV	0	80000.00	15.209125	20	PASS
			NV	10	80000.00	15.209125	20	PASS
			NV	20	80000.00	15.209125	20	PASS
			NV	30	80000.00	15.209125	20	PASS
			NV	40	60000.00	11.406844	20	PASS
		5280	NV	-20	60000.00	11.363636	20	PASS
			NV	-10	40000.00	7.575758	20	PASS
			NV	0	40000.00	7.575758	20	PASS
			NV	10	40000.00	7.575758	20	PASS
			NV	20	40000.00	7.575758	20	PASS
			NV	30	40000.00	7.575758	20	PASS
			NV	40	60000.00	11.363636	20	PASS
		5320	NV	-20	80000.00	15.037594	20	PASS
			NV	-10	80000.00	15.037594	20	PASS
			NV	0	80000.00	15.037594	20	PASS
			NV	10	80000.00	15.037594	20	PASS
			NV	20	60000.00	11.278195	20	PASS
			NV	30	60000.00	11.278195	20	PASS
			NV	40	80000.00	15.037594	20	PASS
		5500	NV	-20	80000.00	14.545455	20	PASS

11N40SIS O	Ant1		NV	-10	80000.00	14.545455	20	PASS
			NV	0	80000.00	14.545455	20	PASS
			NV	10	80000.00	14.545455	20	PASS
			NV	20	80000.00	14.545455	20	PASS
			NV	30	80000.00	14.545455	20	PASS
			NV	40	80000.00	14.545455	20	PASS
		5580	NV	-20	80000.00	14.336918	20	PASS
			NV	-10	80000.00	14.336918	20	PASS
			NV	0	100000.00	17.921147	20	PASS
			NV	10	80000.00	14.336918	20	PASS
			NV	20	100000.00	17.921147	20	PASS
			NV	30	100000.00	17.921147	20	PASS
		5700	NV	40	100000.00	17.921147	20	PASS
			NV	-20	100000.00	17.543860	20	PASS
			NV	-10	100000.00	17.543860	20	PASS
			NV	0	100000.00	17.543860	20	PASS
			NV	10	100000.00	17.543860	20	PASS
			NV	20	100000.00	17.543860	20	PASS
		5720	NV	30	100000.00	17.543860	20	PASS
			NV	40	100000.00	17.543860	20	PASS
			NV	-20	80000.00	13.986014	20	PASS
			NV	-10	80000.00	13.986014	20	PASS
			NV	0	80000.00	13.986014	20	PASS
			NV	10	80000.00	13.986014	20	PASS
		5745	NV	20	80000.00	13.986014	20	PASS
			NV	30	80000.00	13.986014	20	PASS
			NV	40	80000.00	13.986014	20	PASS
			NV	-20	100000.00	17.406440	20	PASS
			NV	-10	100000.00	17.406440	20	PASS
			NV	0	100000.00	17.406440	20	PASS
		5785	NV	10	100000.00	17.406440	20	PASS
			NV	20	100000.00	17.406440	20	PASS
			NV	30	100000.00	17.406440	20	PASS
			NV	40	100000.00	17.406440	20	PASS
			NV	-20	100000.00	17.286085	20	PASS
			NV	-10	100000.00	17.286085	20	PASS
		5825	NV	0	100000.00	17.286085	20	PASS
			NV	10	100000.00	17.286085	20	PASS
			NV	20	100000.00	17.286085	20	PASS
			NV	30	100000.00	17.286085	20	PASS
			NV	40	100000.00	17.286085	20	PASS
			NV	-20	40000.00	6.8669527	20	PASS
		5190	NV	-10	40000.00	6.8669527	20	PASS
			NV	0	40000.00	6.8669527	20	PASS
			NV	10	40000.00	6.8669527	20	PASS
			NV	20	40000.00	6.8669527	20	PASS
			NV	30	40000.00	6.8669527	20	PASS
			NV	40	40000.00	6.8669527	20	PASS
		5230	NV	-20	80000.00	15.414258	20	PASS
			NV	-10	80000.00	15.414258	20	PASS
			NV	0	80000.00	15.414258	20	PASS
			NV	10	80000.00	15.414258	20	PASS
			NV	20	80000.00	15.414258	20	PASS
			NV	30	80000.00	15.414258	20	PASS
		5270	NV	40	80000.00	15.414258	20	PASS
			NV	-20	80000.00	15.296367	20	PASS
			NV	-10	80000.00	15.296367	20	PASS
			NV	0	80000.00	15.296367	20	PASS
			NV	10	80000.00	15.296367	20	PASS
			NV	20	80000.00	15.296367	20	PASS
			NV	30	80000.00	15.296367	20	PASS
			NV	40	80000.00	15.296367	20	PASS
			NV	-20	80000.00	15.180266	20	PASS
			NV	-10	80000.00	15.180266	20	PASS

			NV	0	80000.00	15.180266	20	PASS
			NV	10	80000.00	15.180266	20	PASS
			NV	20	80000.00	15.180266	20	PASS
			NV	30	80000.00	15.180266	20	PASS
			NV	40	80000.00	15.180266	20	PASS
		5310	NV	-20	40000.00	5.5329567	20	PASS
			NV	-10	40000.00	5.5329567	20	PASS
			NV	0	40000.00	5.5329567	20	PASS
			NV	10	40000.00	5.5329567	20	PASS
			NV	20	40000.00	5.5329567	20	PASS
			NV	30	40000.00	5.5329567	20	PASS
			NV	40	40000.00	5.5329567	20	PASS
			NV	40	40000.00	5.5329567	20	PASS
		5510	NV	-20	80000.00	14.519056	20	PASS
			NV	-10	80000.00	14.519056	20	PASS
			NV	0	80000.00	14.519056	20	PASS
			NV	10	80000.00	14.519056	20	PASS
			NV	20	80000.00	14.519056	20	PASS
			NV	30	80000.00	14.519056	20	PASS
		5550	NV	40	80000.00	14.519056	20	PASS
			NV	-20	80000.00	14.414414	20	PASS
			NV	-10	80000.00	14.414414	20	PASS
			NV	0	80000.00	14.414414	20	PASS
			NV	10	80000.00	14.414414	20	PASS
			NV	20	80000.00	14.414414	20	PASS
			NV	30	80000.00	14.414414	20	PASS
		5670	NV	40	80000.00	14.414414	20	PASS
			NV	-20	80000.00	14.109347	20	PASS
			NV	-10	80000.00	14.109347	20	PASS
			NV	0	80000.00	14.109347	20	PASS
			NV	10	80000.00	14.109347	20	PASS
			NV	20	80000.00	14.109347	20	PASS
			NV	30	80000.00	14.109347	20	PASS
		5710	NV	40	80000.00	14.109347	20	PASS
			NV	-20	100000.00	17.513135	20	PASS
			NV	-10	100000.00	17.513135	20	PASS
			NV	0	100000.00	17.513135	20	PASS
			NV	10	100000.00	17.513135	20	PASS
			NV	20	100000.00	17.513135	20	PASS
		5755	NV	30	100000.00	17.513135	20	PASS
			NV	40	100000.00	17.513135	20	PASS
			NV	-20	80000.00	13.900956	20	PASS
			NV	-10	80000.00	13.900956	20	PASS
			NV	0	80000.00	13.900956	20	PASS
			NV	10	80000.00	13.900956	20	PASS
			NV	20	80000.00	13.900956	20	PASS
		5795	NV	30	80000.00	13.900956	20	PASS
			NV	40	80000.00	13.900956	20	PASS
			NV	-20	80000.00	13.805004	20	PASS
			NV	-10	80000.00	13.805004	20	PASS
			NV	0	80000.00	13.805004	20	PASS
			NV	10	80000.00	13.805004	20	PASS
			NV	20	80000.00	13.805004	20	PASS
			NV	30	80000.00	13.805004	20	PASS
			NV	40	80000.00	13.805004	20	PASS

11. Dynamic Frequency Selection

11.1. Applicability of DFS requirements

Table 1: Applicability of DFS Requirements Prior to Use of a Channel

Requirement	Operational Mode		
	☐ Master	☒ Client Without Radar Detection	☐ Client with Radar Detection
Non-Occupancy Period	Yes	Not required	Yes
DFS Detection Threshold	Yes	Not required	Yes
Channel Availability Check Time	Yes	Not required	Not required
U-NII Detection Bandwidth	Yes	Not required	Yes

Table 2: Applicability of DFS requirements during normal operation

Requirement	Operational Mode	
	☐ Master Device or Client with Radar Detection	☒ Client Without Radar Detection
DFS Detection Threshold	Yes	Not required
Channel Closing Transmission Time	Yes	Yes
Channel Move Time	Yes	Yes
U-NII Detection Bandwidth	Yes	Not required

Additional requirements for devices with multiple bandwidth modes	☐ Master Device or Client with Radar Detection	☒ Client Without Radar Detection
U-NII Detection Bandwidth and Statistical Performance Check	All BW modes must be tested	Not required
Channel Move Time and Channel Closing Transmission Time	Test using widest BW mode available	Test using the widest BW mode available for the link
All other tests	Any single BW mode	Not required

Note: Frequencies selected for statistical performance check should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.

11.2. Limit

(1) DFS Detection Thresholds

Table 3: DFS Detection Thresholds for Master Devices and Client Devices with Radar Detection

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP $\geq$ 200 milliwatt	-64 dBm
EIRP $<$ 200 milliwatt and power spectral density $<$ 10 dBm/MHz	-62 dBm
EIRP $<$ 200 milliwatt that do not meet the power spectral density requirement	-64 dBm

Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna.
 Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.
 Note3: EIRP is based on the highest antenna gain.

(2) DFS Response Requirements

Table 4: DFS Response Requirement Values

Parameter	Value
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds See Note 1.
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.
 Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required facilitating a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.
 Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

11.3. Parameters of radar test waveforms

This section provides the parameters for required test waveforms, minimum percentage of successful detections, and the minimum number of trials that must be used for determining DFS conformance. Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

Table 5 Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (μsec)	PRI (μsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A	Roundup $\left\{ \left(\frac{1}{360} \right) \cdot \left(\frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$	60%	30
		Test B			
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120
Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests. Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A					

A minimum of 30 unique waveforms are required for each of the Short Pulse Radar Types 2 through 4. If more than 30 waveforms are used for Short Pulse Radar Types 2 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms. If more than 30 waveforms are used for Short Pulse Radar Type 1, then each additional waveform is generated with Test B and must also be unique and not repeated from the previous waveforms in Tests A or B. Test aggregate is average of the percentage of successful detections of short pulse radar types 1-4

11.4. Assistant equipment used for test

Equipment under Test	Manufacturer	Model No.	FCC ID
M6s Mesh Wi-Fi Router	Mercku	MAAA1	2APR4-M6S

11.5. Calibration of radar waveform

Radar Waveform Calibration Procedure:

- (1) A 50 ohm load is connected in place of the spectrum analyzer, and the spectrum analyzer is connected to place of the master
- (2) The interference Radar Detection Threshold Level is $-62\text{dBm} + 0\text{dBi} + 1\text{dB} = -61\text{dBm}$ that had been taken into account the output power range and antenna gain.
- (3) The following equipment setup was used to calibrate the conducted radar waveform. A vector signal generator was utilized to establish the test signal level for radar type 0. During this process there were no transmissions by either the master or client device. The spectrum analyzer was switched to the zero spans (time domain) at the frequency of the radar waveform generator. Peak detection was used. The spectrum analyzer resolution bandwidth (RBW) and video bandwidth (VBW) were set to 3 MHz. The spectrum analyzer had offset -1.0dB to compensate RF cable loss 1.0dB.
- (4) The vector signal generator amplitude was set so that the power level measured at the spectrum analyzer was $-62\text{dBm} + 0\text{dBi} + 1\text{dB} = -61\text{dBm}$. Capture the spectrum analyzer plots on short pulse radar waveform.

Conducted Calibration Setup: