



RADIO TEST REPORT

Applicant	:	Shenzhen Arzopa Technology Incorporated Company
Address of Applicant	:	1602, Xingtong Building, No. 88, Baoxing Road, Haiwang Community, Xin 'an Sub-district, Bao 'an District, Shenzhen, Guangdong, China
Manufacturer	:	Shenzhen Arzopa Technology Incorporated Company
Address of Manufacturer	:	1602, Xingtong Building, No. 88, Baoxing Road, Haiwang Community, Xin 'an Sub-district, Bao 'an District, Shenzhen, Guangdong, China
Equipment under Test	:	C1Pro Smart Calendar (17.35-inch)
Model No.	:	C03HR01C1
FCC ID	:	2BTIM-C03HR01C1
IC	:	34917-C03HR01C1
Test Standard(s)	:	47 CFR Part 15 Subpart E, ANSI C63.10-2020, RSS-247 Issue 4 July 24, 2025, RSS-Gen Issue 5, Apr. 2018, Amendment 2 (February 2021), ANSI C63.10-2020+Cor.1-2023+C63.10a- 2024+Errata to C63.10a-2024, 789033 D02 General U-NII Test Procedures New Rules v02r01
Report No.	:	DDT-RE26061007-1E02
Issue Date	:	2026/08/19
Issue By	:	Guangdong Dongdian Testing Service Co., Ltd. Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808

REPORT

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Test Report Declare

Applicant	:	Shenzhen Arzopa Technology Incorporated Company
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Test Standard Used:

47 CFR Part 15 Subpart E,

ANSI C63.10-2020,

RSS-247 Issue 4 July 24, 2025,

RSS-Gen Issue 5, Apr. 2018, Amendment 2 (February 2021),

ANSI C63.10-2020+Cor.1-2023+C63.10a-2024+Errata to C63.10a-2024,

789033 D02 General U-NII Test Procedures New Rules v02r01

We Declare:

The equipment described above is tested by Guangdong Dongdian Testing Service Co., Ltd. and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and Guangdong Dongdian Testing Service Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

Report No.:	DDT-RE26061007-1E02		
Date of Receipt:	2026/06/16	Date of Test:	2026/06/23 - 2026/07/24

Created: Jacky Huang	Reviewed: Johnson Huang	Approved: Damon Hu
		
2026/08/02	2026/08/19	2026/08/19

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Guangdong Dongdian Testing Service Co., Ltd.

Revision History

Version	Revision Content	Issue Date	Approved
V0	Initial issue	2026/08/19	Damon Hu

1. Summary of Test Results

No.	Test Parameter	Clause No.	Condition	Result
1	6/26db Bandwidth and 99% Bandwidth	47 CFR Part 15 15.407 (e), RSS-247 Clause 7.3.4.2, RSS-Gen Clause 6.7	/	Pass
2	Output Power	47 CFR Part 15 15.407 (a), RSS-247 Clause 7.3.1.2, RSS-247 Clause 7.3.2.2, RSS-247 Clause 7.3.3.2, RSS-247 Clause 7.3.4.3	/	Pass
3	Power Spectral Density	47 CFR Part 15 15.407 (a), RSS-247 Clause 7.3.1.2, RSS-247 Clause 7.3.2.2, RSS-247 Clause 7.3.3.2, RSS-247 Clause 7.3.4.3	/	Pass
4	Frequency Stability Measurement	47 CFR Part 15 15.407 (g), RSS-Gen Clause 8.11	/	Pass
5	Radiated Emission	47 CFR Part 15 15.407 (b), 47 CFR Part 15 15.209, 47 CFR Part 15 15.205, RSS-247 Clause 7.3.1.3, RSS-247 Clause 7.3.2.3, RSS-247 Clause 7.3.3.3, RSS-247 Clause 7.3.4.4, RSS-Gen Clause 8.9	/	Pass
6	Band Edge Compliance	47 CFR Part 15 15.407 (b), 47 CFR Part 15 15.209, 47 CFR Part 15 15.205, RSS-247 Clause 7.3.1.3, RSS-247 Clause 7.3.2.3, RSS-247 Clause 7.3.3.3, RSS-247 Clause 7.3.4.4, RSS-Gen Clause 8.10	/	Pass
7	Dynamic Frequency Selection	47 CFR Part 15 15.407 (h), RSS-247 Clause 7.3.6	/	Pass
8	Antenna Requirement	47 CFR Part 15.203, RSS-Gen clause 6.8	/	Pass
9	Power Line Conducted Emissions	47 CFR Part 15 15.207(a), RSS-Gen clause 8.8	/	Pass

Note: N/A is an abbreviation for Not Applicable, and means this item is not applicable for this device or no need to test according to standard.

2. General Test Information

2.1. Description of EUT

EUT Name	: C1Pro Smart Calendar (17.35-inch)
Model Number	: C03HR01C1
EUT Function Description	: Please reference user manual of this device
Power Supply	: Input: 12.0V = 2.5A by external adapter
Antenna Type	: FPC
Max Antenna Gain (dBi)	: 3.92
Radio Technology	: IEEE 802.11a/n/ac
Operation frequency	: U-NII-1: 5180 MHz to 5240 MHz U-NII-2A: 5260 MHz to 5320 MHz U-NII-2C: 5500 MHz to 5720 MHz U-NII-3: 5745 MHz to 5825 MHz
Modulation	: IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)

Channel information					
IEEE 802.11a IEEE 802.11n (HT20) IEEE 802.11ac (VHT20)		IEEE 802.11n (HT40) IEEE802.11ac (VHT40)		IEEE 802.11ac (VHT80)	
U-NII-1					
CH	Frequency (MHz)	CH	Frequency (MHz)	CH	Frequency (MHz)
36	5180	38	5190	42	5210
40	5200	46	5230	/	/
44	5220	/	/	/	/
48	5240	/	/	/	/
U-NII-2A					
52	5260	54	5270	58	5290
56	5280	62	5310	/	/
60	5300	/	/	/	/
64	5320	/	/	/	/
U-NII-2C					
100	5500	102	5510	106	5530
104	5520	110	5550	122	5610
108	5540	118	5590	138	5690 (Straddle)
112	5560	126	5630	/	/
116	5580	134	5670	/	/
120	5600	142	5710 (Straddle)	/	/
124	5620	/	/	/	/

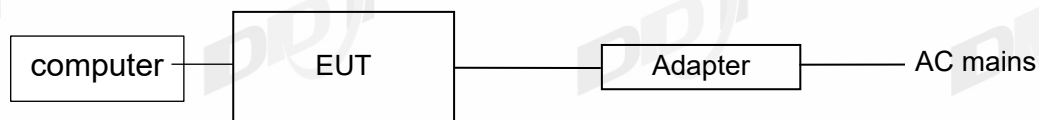
128	5640	/	/	/	/
132	5660	/	/	/	/
136	5680	/	/	/	/
140	5700	/	/	/	/
144	5720 (Straddle)	/	/	/	/
UNII-3					
149	5745	151	5755	155	5775
153	5765	159	5795	/	/
157	5785	/	/	/	/
161	5805	/	/	/	/
165	5825	/	/	/	/

Note: The above EUT information is declared by manufacturer and for more detailed features description please refer to the manufacturer's specifications or User's Manual. The above Antenna information is declared by manufacturer and for more detailed features description please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

2.2. Accessories of EUT

Accessories	Manufacturer	Model number	Description
USB C-C cable	/	/	Length: 1.75m, without core
Adapter	SHENZHEN PUSHIDA ELECTRONIC TECHNOLOGY CO.,LTD	PSD16-C-EU	INPUT: 100-240V~50/60Hz 0.8A Max TYPE-C OUTPUT: 5.0V=3.0A/9.0V=3.0A/12.0V=2. 5A/15.0V=2.0A/20.0V=1.5A 30.0W PPS: 3.3-11.0V=2.7A

2.3. Block diagram of EUT configuration for test



2.4. Decision of final test mode

According pre-test, the worst test modes were reported as below:

Test software: adb.exe

The test software was used to control EUT work in Continuous Tx mode, and select test channel, wireless mode as below table.

The pathloss of external cable: 2 dB (According to the manufacturer's claims)

Tested mode, Tx Power Setting, Data rate, Channel, and Frequency				
Tested mode	Tx Power Setting	Data rate (Mbps) (see Note)	Test Channel	Frequency (MHz)
	ANT1			
IEEE 802.11a	Default	6	LCH: CH36	5180
		6	MCH: CH40	5200
		6	HCH: CH48	5240
		6	LCH: CH52	5260
		6	MCH: CH56	5280
		6	HCH: CH64	5320
		6	LCH: CH100	5500
		6	MCH: CH116	5580
		6	HCH: CH140	5700
		6	Straddle: CH144	5720
		6	LCH: CH149	5745
		6	MCH: CH157	5785
		6	HCH: CH165	5825
IEEE 802.11n HT20	Default	MCS 0	LCH: CH36	5180
		MCS 0	MCH: CH40	5200
		MCS 0	HCH: CH48	5240
		MCS 0	LCH: CH52	5260
		MCS 0	MCH: CH56	5280
		MCS 0	HCH: CH64	5320
		MCS 0	LCH: CH100	5500
		MCS 0	MCH: CH116	5580
		MCS 0	HCH: CH140	5700
		MCS 0	Straddle: CH144	5720
		MCS 0	LCH: CH149	5745
		MCS 0	MCH: CH157	5785
		MCS 0	HCH: CH165	5825
IEEE 802.11n HT40	15	MCS 0	LCH: CH38	5190
		MCS 0	HCH: CH46	5230
		MCS 0	LCH: CH54	5270
		MCS 0	HCH: CH62	5310
		MCS 0	LCH: CH102	5510
		MCS 0	MCH: CH110	5550

		MCS 0	HCH: CH134	5670		
		MCS 0	Straddle: CH142	5710		
		MCS 0	LCH: CH151	5755		
		MCS 0	HCH: CH159	5795		
IEEE 802.11ac VHT20	Default	MCS 0	LCH: CH36	5180		
		MCS 0	MCH: CH40	5200		
		MCS 0	HCH: CH48	5240		
		MCS 0	LCH: CH52	5260		
		MCS 0	MCH: CH56	5280		
		MCS 0	HCH: CH64	5320		
		MCS 0	LCH: CH100	5500		
		MCS 0	MCH: CH116	5580		
		MCS 0	HCH: CH140	5700		
		MCS 0	Straddle: CH144	5720		
		MCS 0	LCH: CH149	5745		
		MCS 0	MCH: CH157	5785		
		MCS 0	HCH: CH165	5825		
		IEEE 802.11 ac VHT40	15	MCS 0	LCH: CH38	5190
				MCS 0	HCH: CH46	5230
MCS 0	LCH: CH54			5270		
MCS 0	HCH: CH62			5310		
MCS 0	LCH: CH102			5510		
MCS 0	MCH: CH110			5550		
MCS 0	HCH: CH134			5670		
MCS 0	Straddle: CH142			5710		
MCS 0	LCH: CH159			5755		
IEEE 802.11ac VHT80	14	MCS 0	CH42	5210		
		MCS 0	CH58	5290		
		MCS 0	LCH: CH106	5530		
		MCS 0	HCH: CH122	5610		
		MCS 0	Straddle: CH138	5690		
		MCS 0	CH155	5775		
		MCS 0	MCH: CH110	5550		
		MCS 0	HCH: CH134	5670		
		MCS 0	Straddle: CH142	5710		
		MCS 0	LCH: CH159	5755		
		MCS 0	HCH: CH36	5795		

Note: According exploratory test, EUT will have maximum output power in those data rate, so those data rate were used for all test.

2.5. Deviations of test standard

No deviation.

2.6. Test environment conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature range:	+15°C to +35 °C
Humidity range:	20% to 75%
Pressure range:	86 kPa to106 kPa

Note: The specific temperature and humidity information of each test item refers to the temperature and humidity record in the corresponding test data.

2.7. Test laboratory

Guangdong Dongdian Testing Service Co., Ltd.

Add.: Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808.

Tel.: +86-0769-38826678, <http://www.dgddt.com>, Email: ddt@dgddt.com.

CNAS Accreditation No. L6451; A2LA Accreditation Number: 3870.01

FCC Designation Number: CN1182, Test Firm Registration Number: 540522

Innovation, Science and Economic Development Canada Site Registration Number: 10288A

Conformity Assessment Body identifier: CN0048

VCCI facility registration number: C-20087, T-20088, R-20123, R-20240, G-20118

2.8. Measurement uncertainty

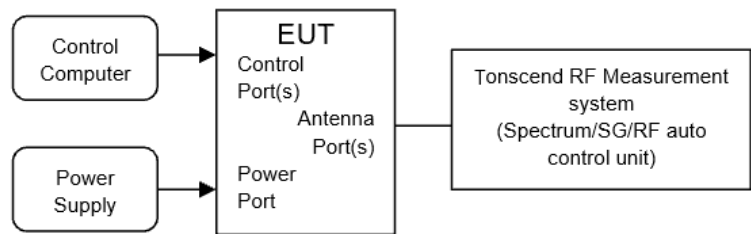
Test Item	Uncertainty
Bandwidth	1.9%
Peak Output Power (Conducted) (Spectrum analyzer)	0.98 dB
Peak Output Power (Conducted) (Power Sensor)	1.18 dB
Power Spectral Density (Base EIRP)	1.51 dB
Power Spectral Density (Spectrum analyzer)	0.98 dB
Frequencies Stability	1.9 kHz
Conducted spurious emissions	1.21 dB ($9\text{ kHz} \leq f < 7\text{ GHz}$);
	3.31 dB ($7\text{ GHz} \leq f < 40\text{ GHz}$)
Uncertainty for radio frequency (RBW < 20 kHz)	5.5×10^{-8}
Time	0.11%
Temperature	0.3 °C
Humidity	2 %
Uncertainty for Radiation Emission test (9 kHz – 30 MHz)	3.44 dB
Uncertainty for Radiation Emission test (30 MHz - 1 GHz)	4.28 dB (Antenna Polarize: V)
	4.14 dB (Antenna Polarize: H)
Uncertainty for Radiation Emission test (1 GHz - 40 GHz)	4.22 dB (1 - 6 GHz)
	4.52 dB (6 GHz - 18 GHz)
	4.58 dB (18 GHz - 40 GHz)
Uncertainty for Power line conduction emission test	3.32dB (150KHz-30MHz)
	3.72dB (9KHz-150KHz)
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

3. Equipment Used During Conductive Test

Equipment	Manufacturer	Model No.	Serial Number	Due Date	Cal. Interval
☒ RF Connected Test (RF Measurement System 1#)					
SIGNAL ANALYZER	R&S	FSQ26	101272	2027/02/27	1 Year
Wideband Radio Communication Tester	R&S	CMW500	117491	2027/02/27	1 Year
MXG Vector Signal Generator	KEYSIGHT	N5182B	MY59100192	2027/02/27	1 Year
MXG Vector Signal Generator	Agilent	N5182A	MY47420658	2027/02/27	1 Year
RF Control Unit	Tonscend	JS0806-2	158060010	2027/02/27	1 Year
TEMP&HUMI Programmable Chamber	ZHIXIANG	ZXGDJS-150L	ZX170110-A	2027/02/27	1 Year
Test Software	Tonscend	JS1120-3	V3.6.21	N/A	N/A

4. 26dB Bandwidth

4.1. Block diagram of test setup



4.2. Limits

FCC Part15, Subpart E/ RSS-247		
Test Item	Limit	Frequency Range (MHz)
26 dB Bandwidth	---	5150 - 5250
	---	5250 - 5350
	---	5470 - 5725

4.3. Test procedure

Connect EUT’s antenna output to spectrum analyzer by RF cable.

Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	approximately 1% of the emission bandwidth.
VBW	> RBW
Trace	Max hold
Sweep	Auto couple

Allow the trace to stabilize, measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 26 dB relative to the maximum level measured in the fundamental emission.

4.4. Test result

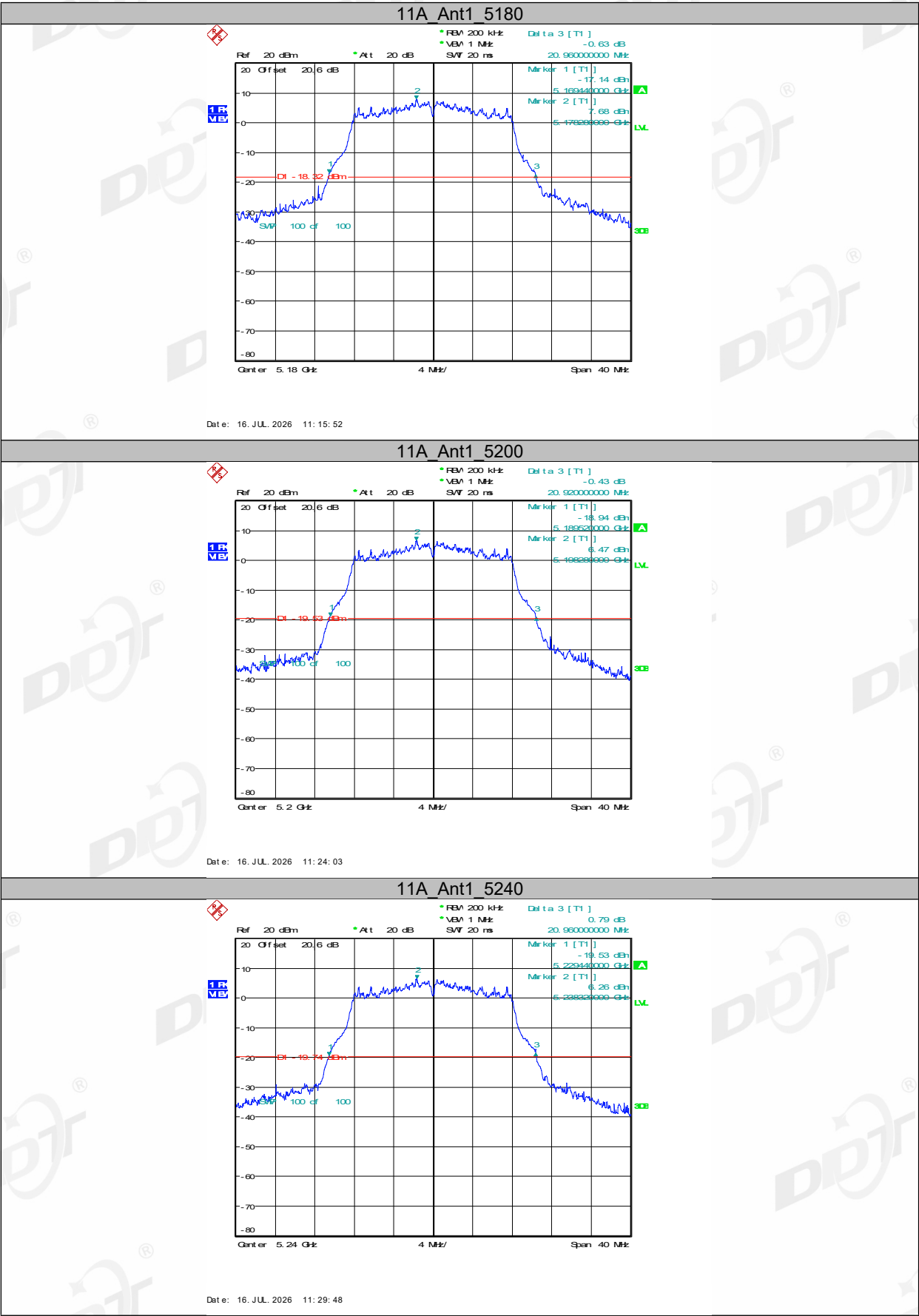
Test Engineer:	Zora Zhang	Test Site:	RF Measurement System 1#
Ambient Condition:	27.7-28.6℃,40.1-45.2%RH	Test Date:	2026.7.16-2026.7.17
Test Power Supply:	AC 120V	Sample Number:	S26061007-005

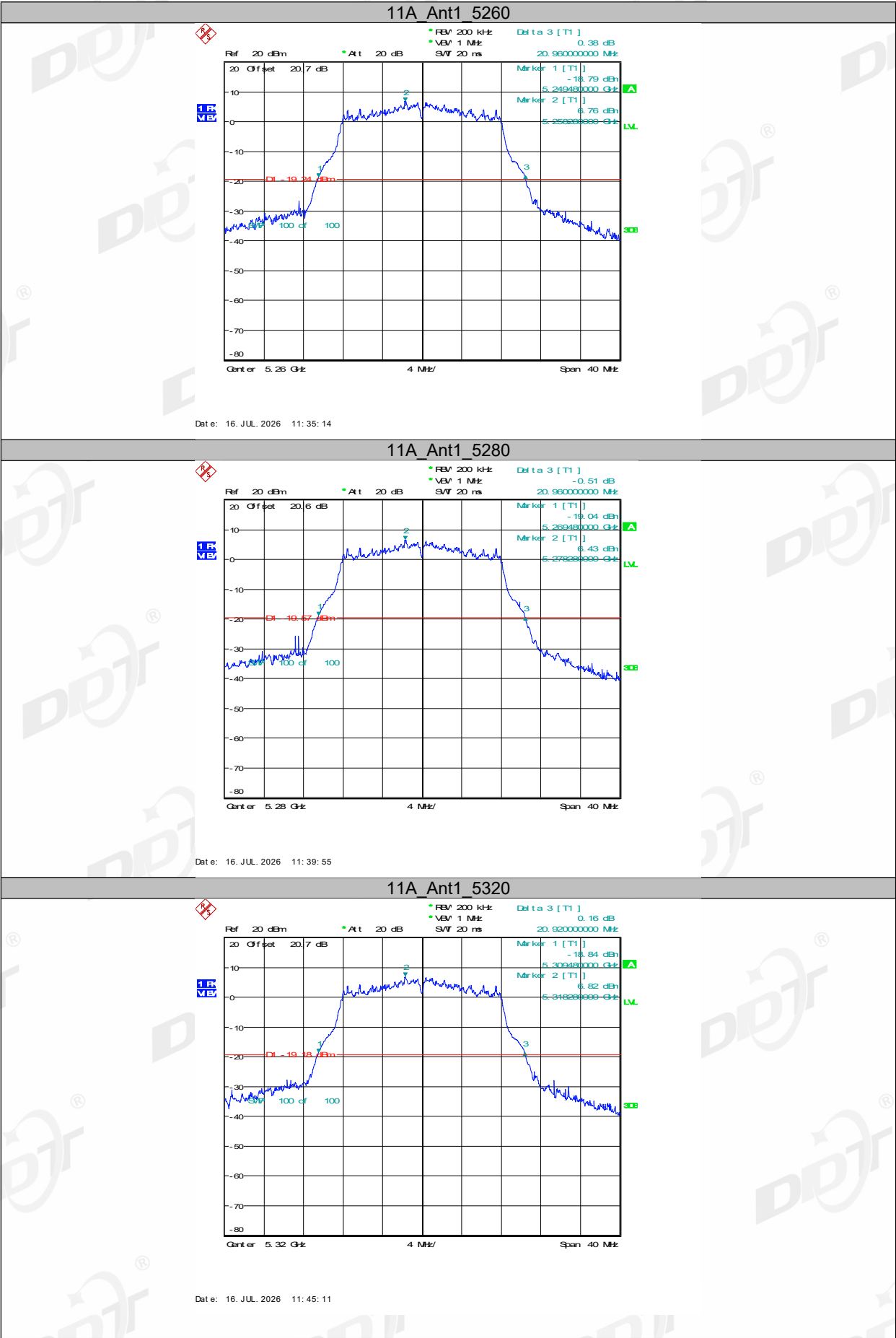
Test Mode	Antenna	Frequency [MHz]	26db EBW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11A	Ant1	5180	20.96	5169.44	5190.40	---	---
		5200	20.92	5189.52	5210.44	---	---
		5240	20.96	5229.44	5250.40	---	---
		5260	20.96	5249.48	5270.44	---	---
		5280	20.96	5269.48	5290.44	---	---
		5320	20.92	5309.48	5330.40	---	---
		5500	21.08	5489.44	5510.52	---	---
		5580	21.12	5569.40	5590.52	---	---
		5700	21.24	5689.28	5710.52	---	---
		5720	21.08	5709.48	5730.56	---	---
		5720_UNII-2C	15.52	5709.48	5725	---	---
		5720_UNII-3	5.56	5725	5730.56	---	---
		5745	29.24	5729.80	5759.04	---	---
		5785	28.64	5770.40	5799.04	---	---
		5825	28.48	5810.60	5839.08	---	---
11N20SISO	Ant1	5180	21.68	5169.12	5190.80	---	---
		5200	21.52	5189.24	5210.76	---	---
		5240	21.56	5229.16	5250.72	---	---
		5260	21.56	5249.16	5270.72	---	---
		5280	21.48	5269.16	5290.64	---	---
		5320	21.24	5309.32	5330.56	---	---
		5500	21.56	5489.12	5510.68	---	---
		5580	21.60	5569.12	5590.72	---	---
		5700	21.64	5689.12	5710.76	---	---

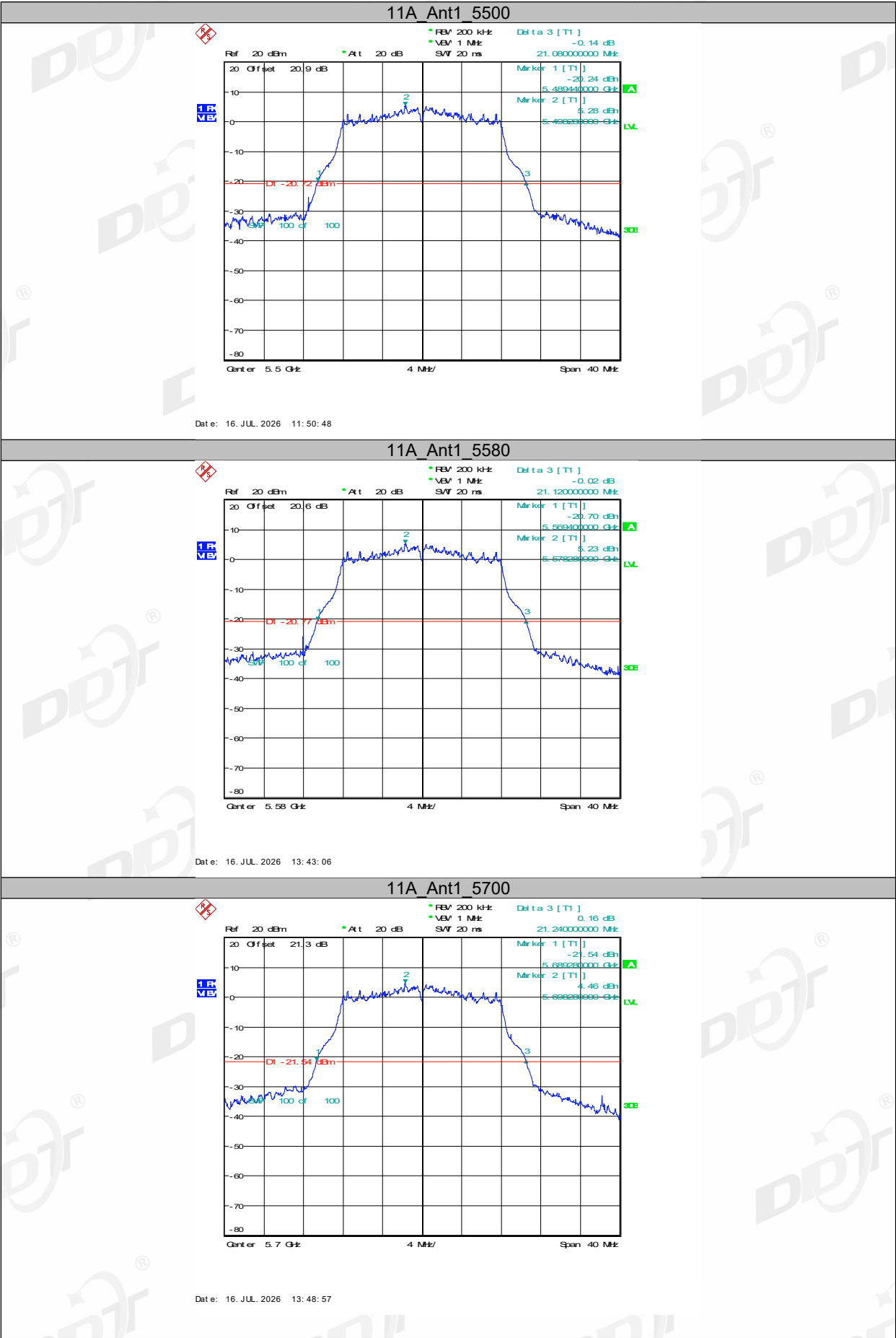
		5720	21.48	5709.28	5730.76	---	---
		5720_UNII-2C	15.72	5709.28	5725	---	---
		5720_UNII-3	5.76	5725	5730.76	---	---
		5745	30.48	5729.76	5760.24	---	---
		5785	27.68	5771.28	5798.96	---	---
		5825	28.68	5811.32	5840.00	---	---
11N40SISO	Ant1	5190	42.72	5169.92	5212.64	---	---
		5230	50.40	5209.36	5259.76	---	---
		5270	51.04	5247.60	5298.64	---	---
		5310	48.48	5289.92	5338.40	---	---
		5510	48.88	5490.00	5538.88	---	---
		5550	49.20	5529.52	5578.72	---	---
		5670	50.64	5647.44	5698.08	---	---
		5710	51.28	5687.76	5739.04	---	---
		5710_UNII-2C	37.24	5687.76	5725	---	---
		5710_UNII-3	14.04	5725	5739.04	---	---
		5755	53.36	5730.68	5784.04	---	---
		5795	55.12	5770.12	5825.24	---	---
11AC20SISO	Ant1	5180	21.40	5169.28	5190.68	---	---
		5200	21.44	5189.20	5210.64	---	---
		5240	21.44	5229.36	5250.80	---	---
		5260	21.40	5249.28	5270.68	---	---
		5280	21.32	5269.32	5290.64	---	---
		5320	21.44	5309.24	5330.68	---	---
		5500	21.40	5489.24	5510.64	---	---
		5580	21.44	5569.24	5590.68	---	---
		5700	21.32	5689.28	5710.60	---	---
		5720	21.40	5709.24	5730.64	---	---
		5720_UNII-2C	15.76	5709.24	5725	---	---
		5720_UNII-3	5.64	5725	5730.64	---	---

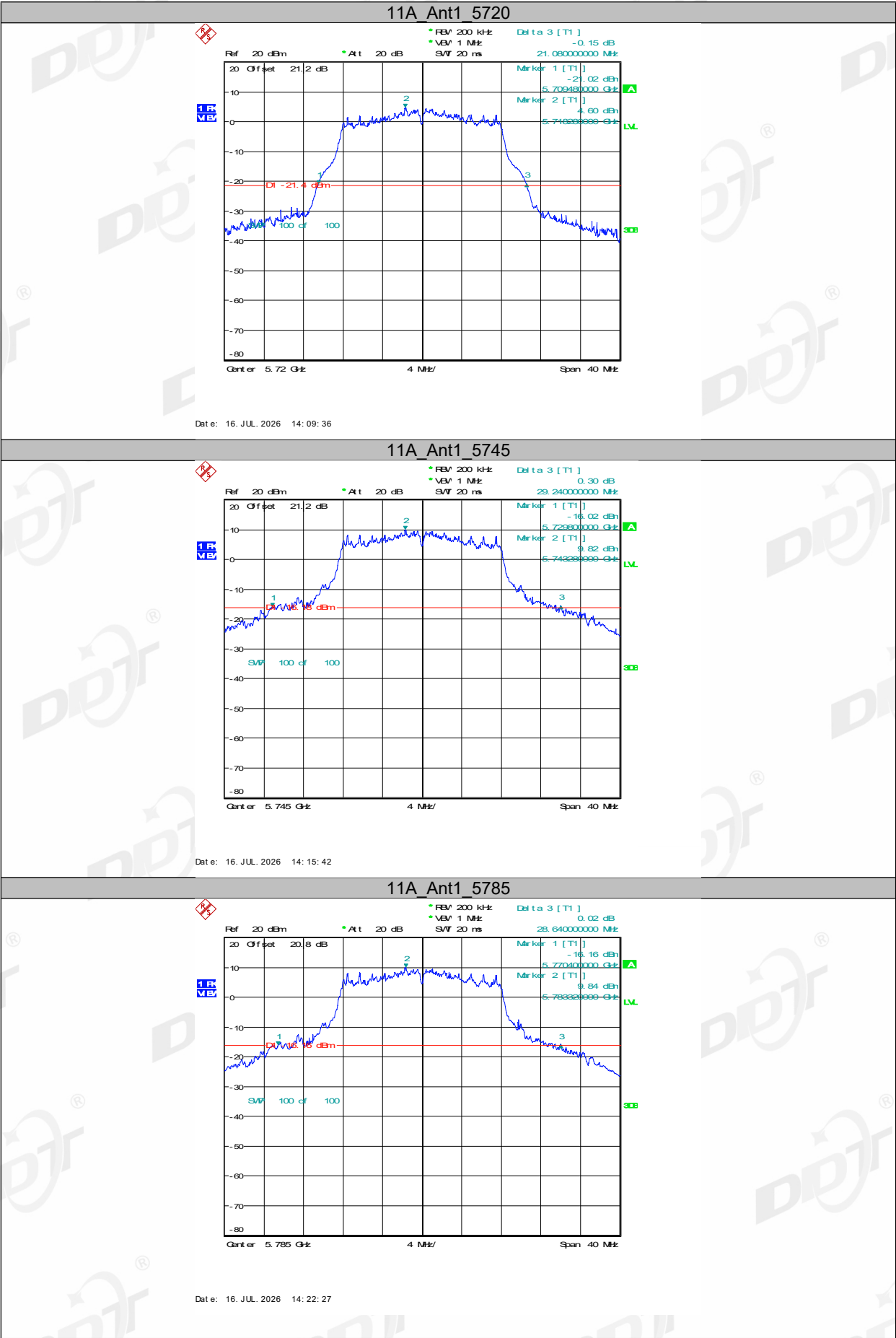
		5745	28.36	5731.68	5760.04	---	---
		5785	27.52	5772.16	5799.68	---	---
		5825	30.36	5810.32	5840.68	---	---
11AC40SISO	Ant1	5190	51.28	5169.92	5221.20	---	---
		5230	46.24	5209.84	5256.08	---	---
		5270	45.12	5249.92	5295.04	---	---
		5310	45.84	5289.84	5335.68	---	---
		5510	47.44	5489.92	5537.36	---	---
		5550	43.04	5529.92	5572.96	---	---
		5670	42.72	5649.84	5692.56	---	---
		5710	46.72	5689.84	5736.56	---	---
		5710_UNII-2C	35.16	5689.84	5725	---	---
		5710_UNII-3	11.56	5725	5736.56	---	---
		5755	66.08	5724.84	5790.92	---	---
		5795	64.08	5766.36	5830.44	---	---
11AC80SISO	Ant1	5210	81.12	5169.52	5250.64	---	---
		5290	80.96	5249.52	5330.48	---	---
		5530	80.64	5489.84	5570.48	---	---
		5610	80.96	5569.68	5650.64	---	---
		5690	87.04	5649.04	5736.08	---	---
		5690_UNII-2C	75.96	5649.04	5725	---	---
		5690_UNII-3	11.08	5725	5736.08	---	---
		5775	83.68	5734.04	5817.72	---	---

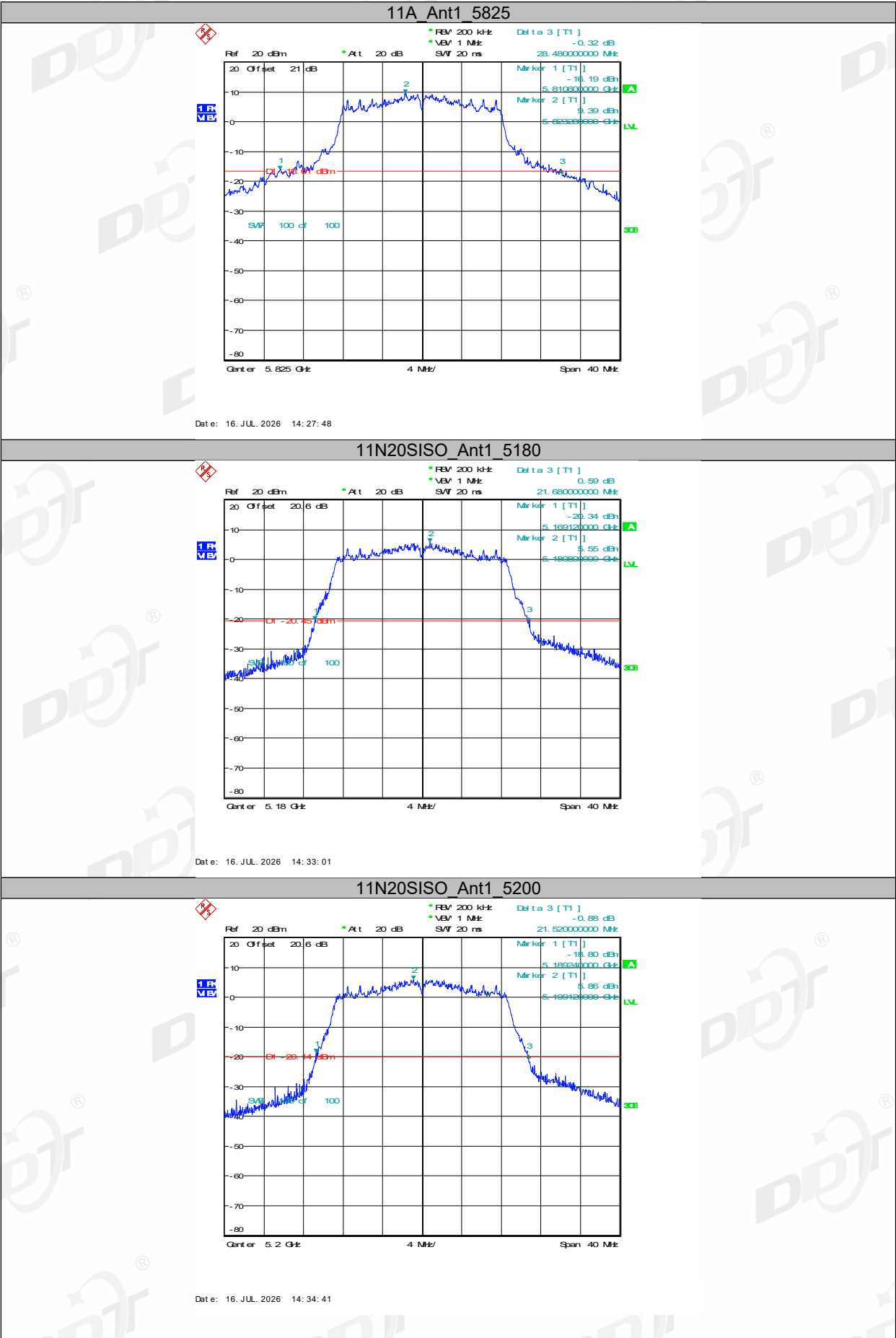
4.5. Test graphs

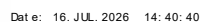
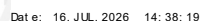
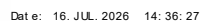


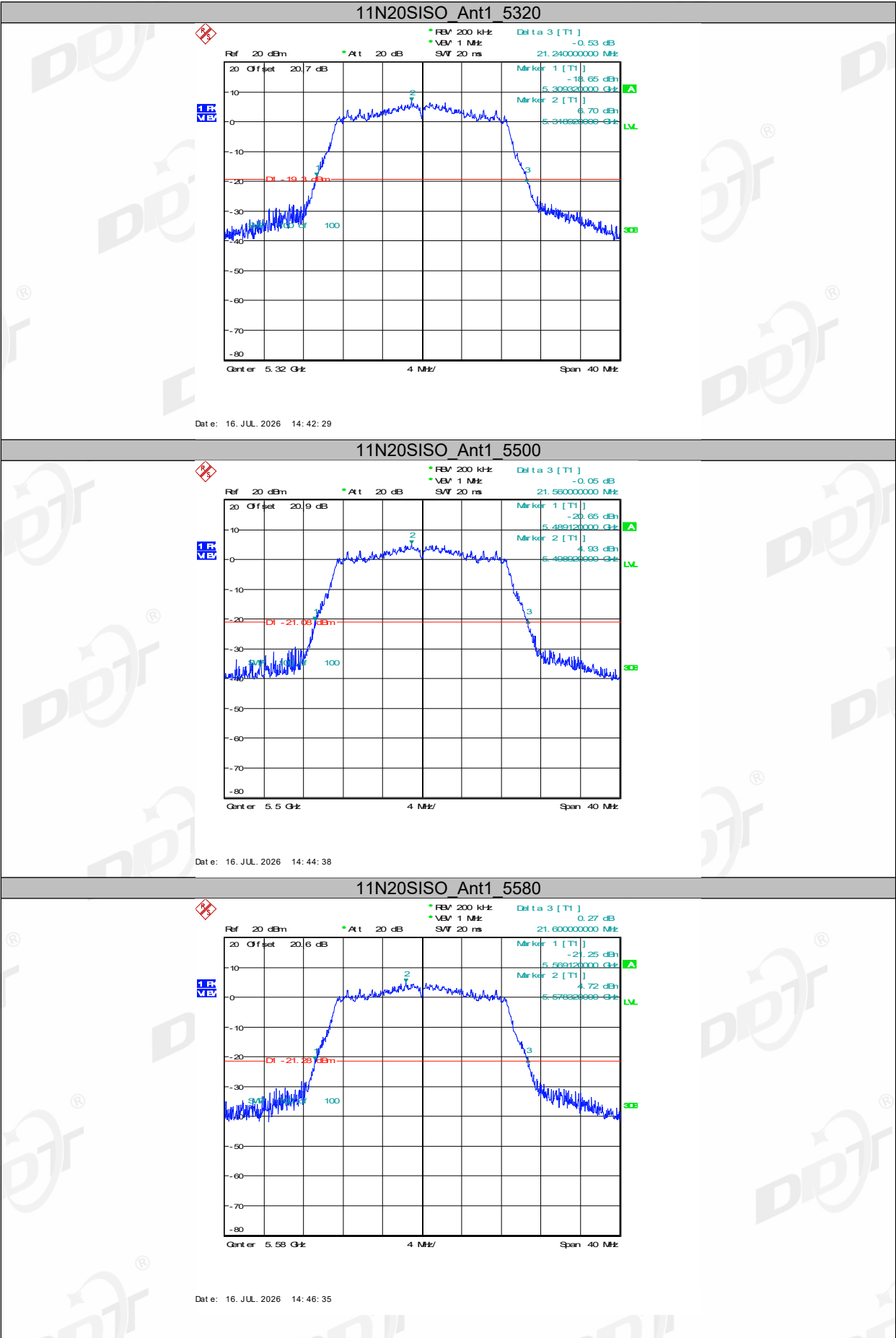


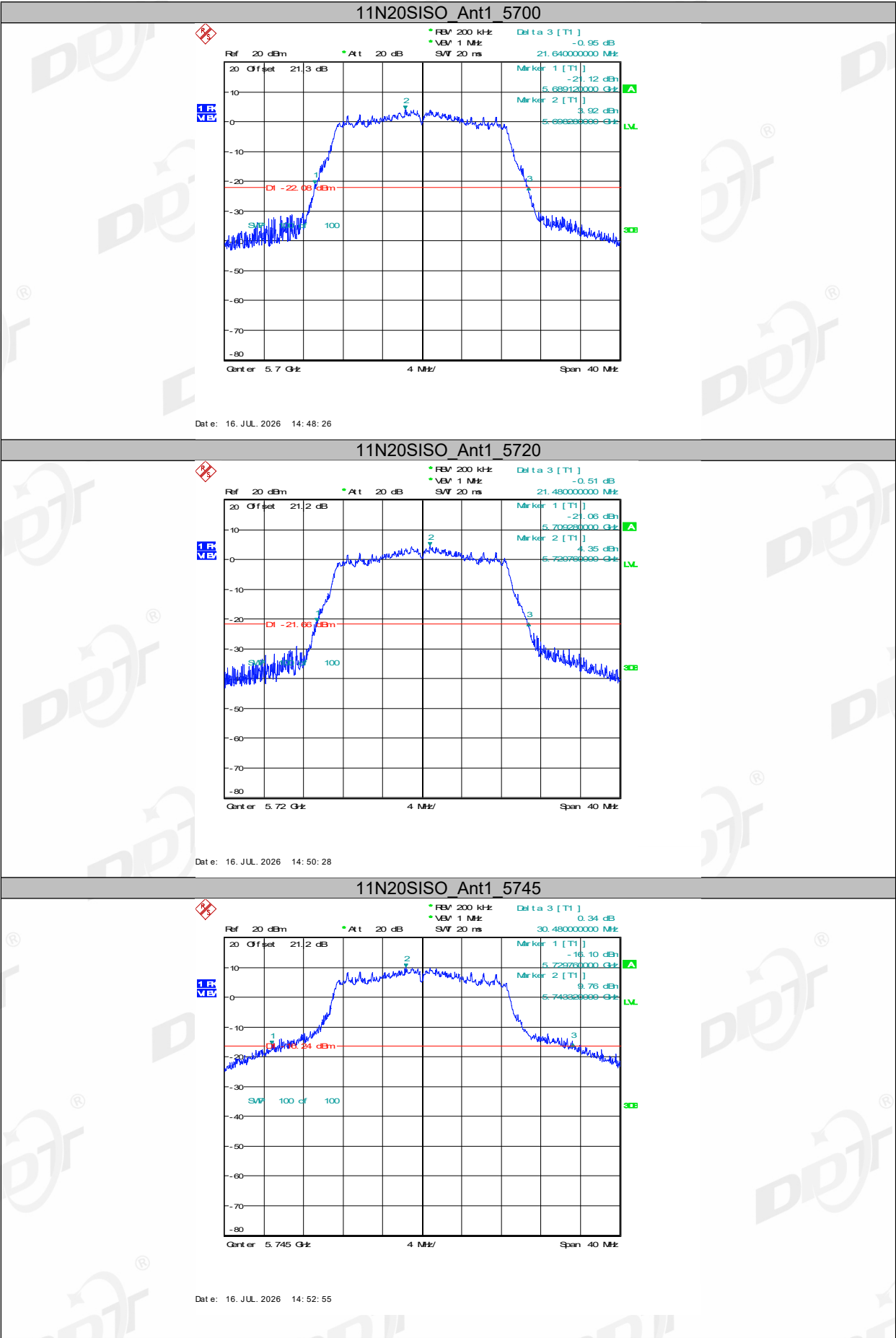


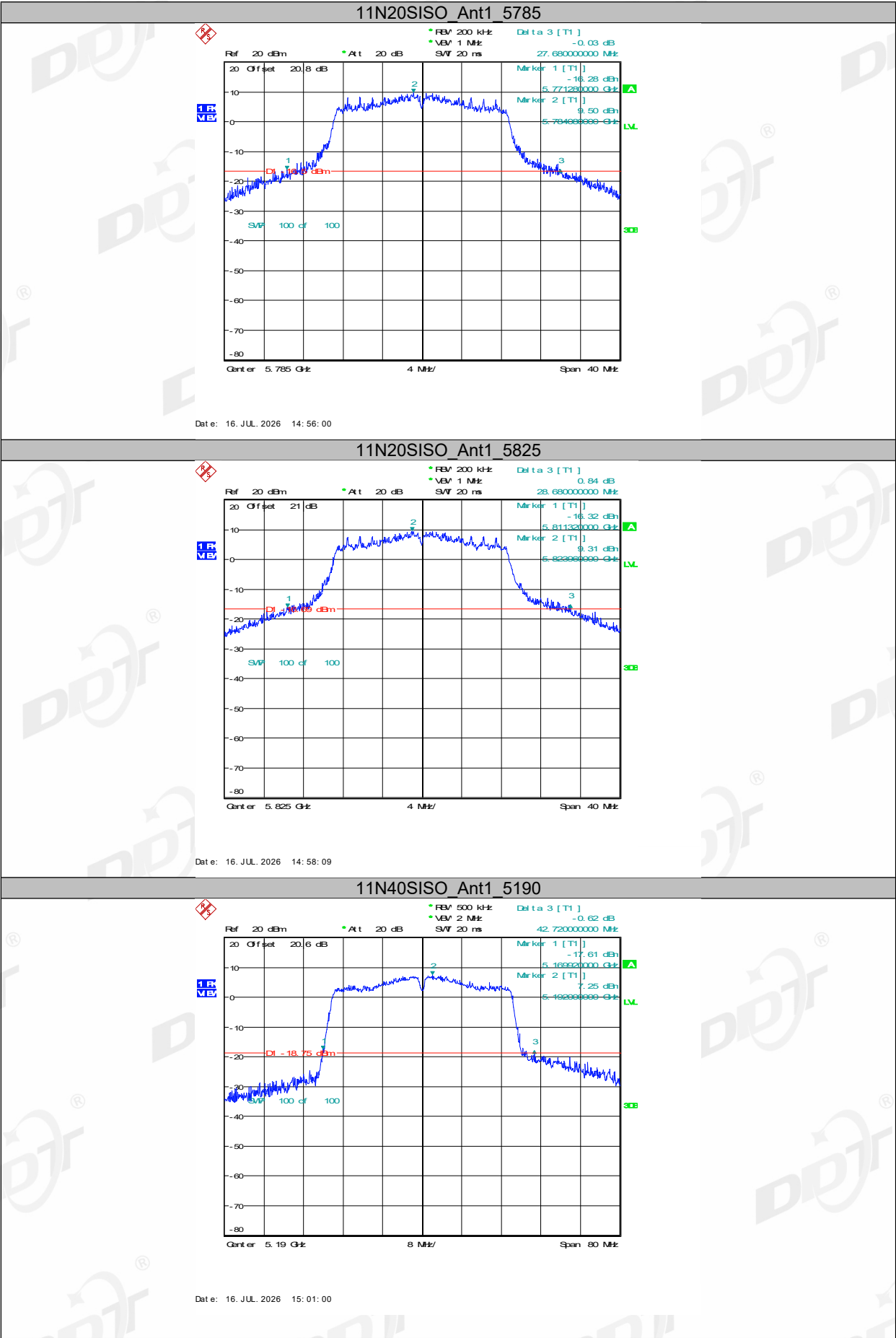


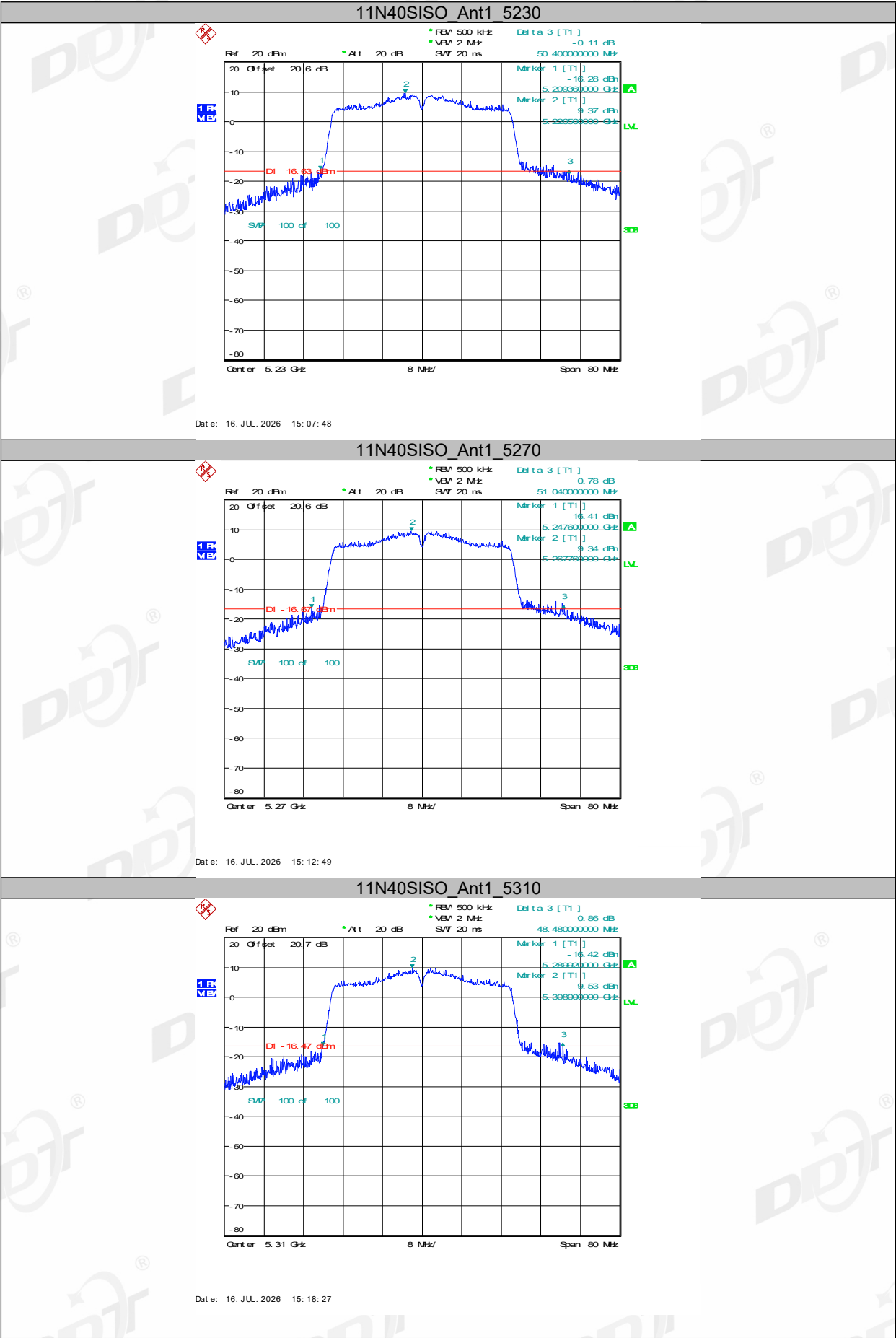


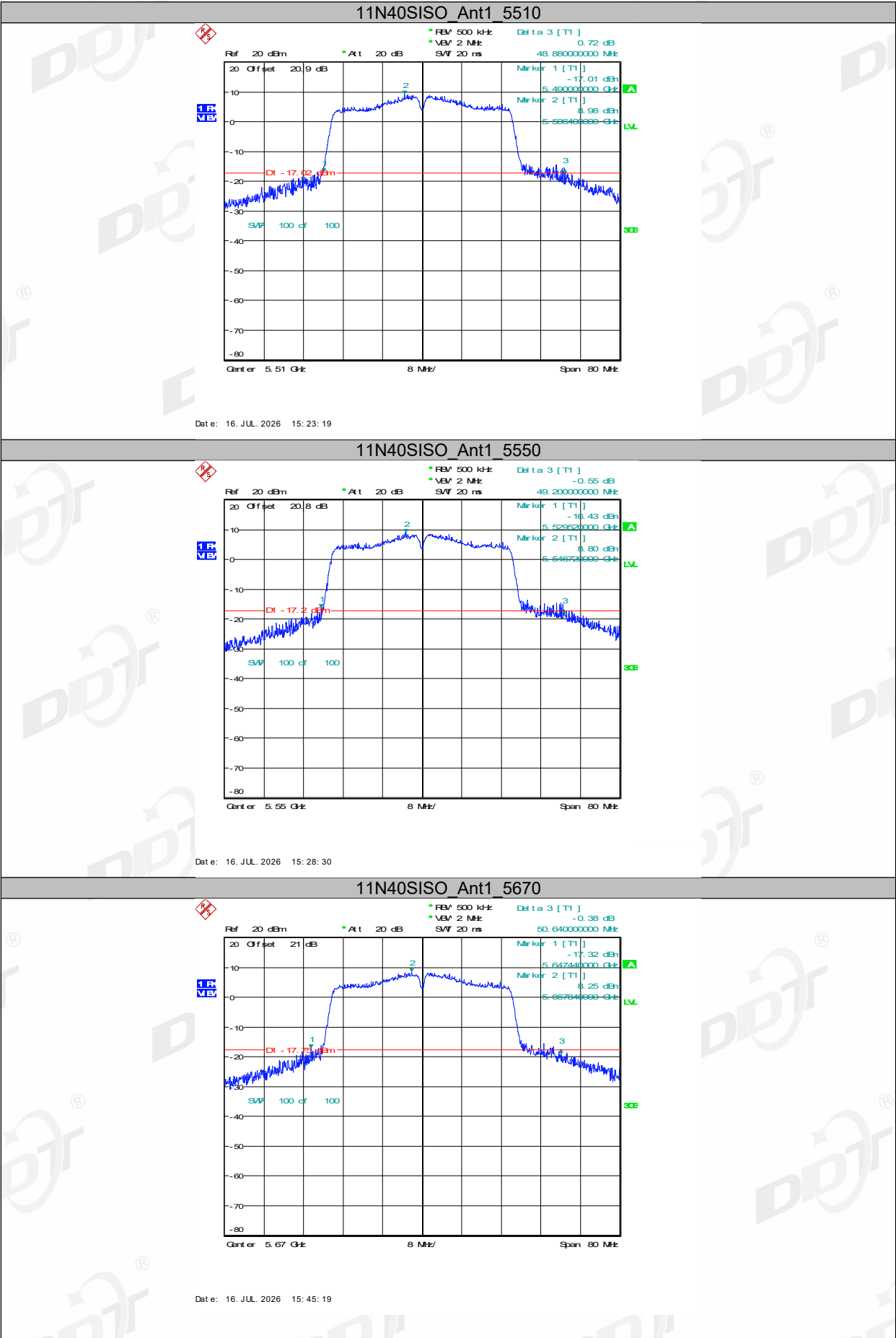


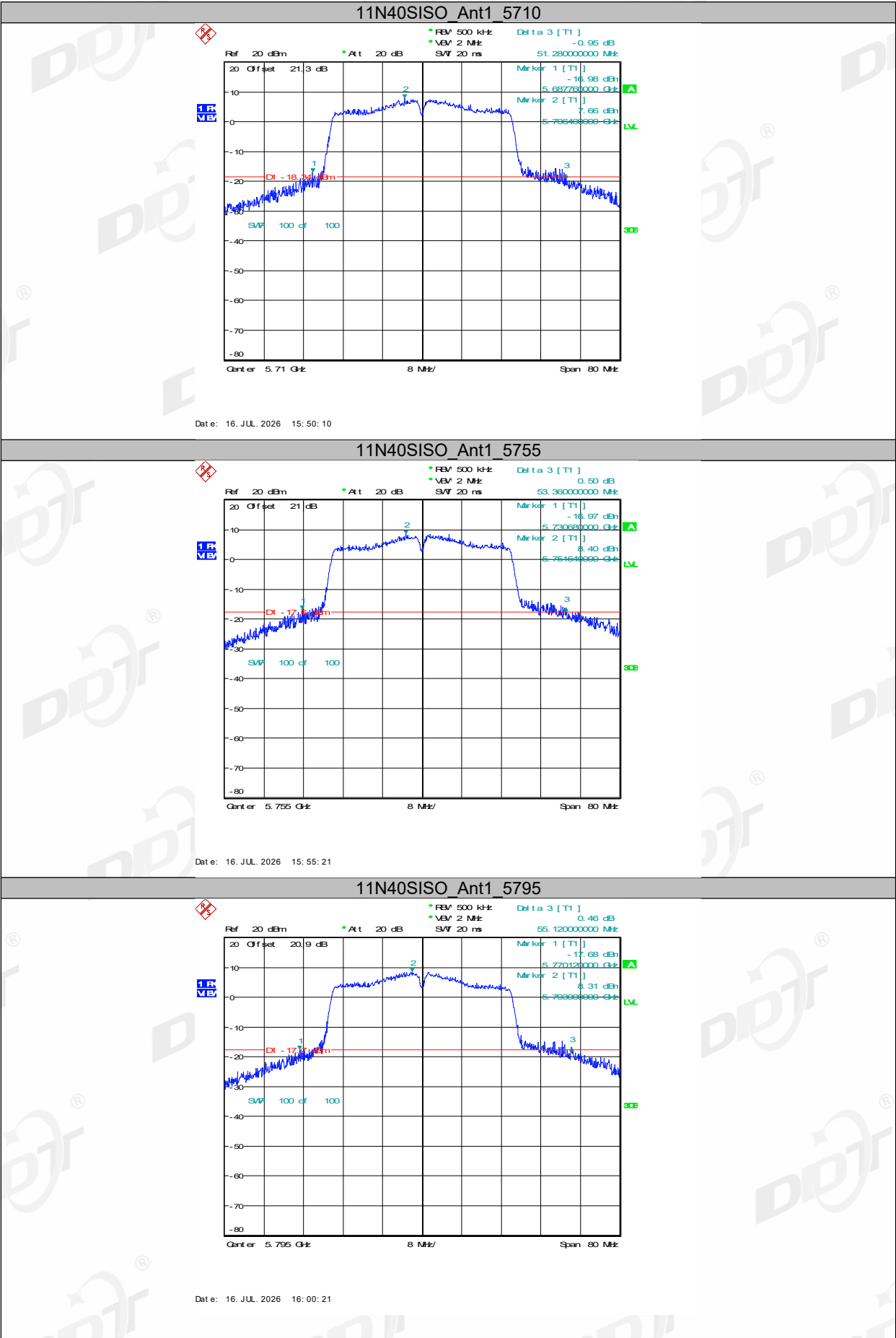


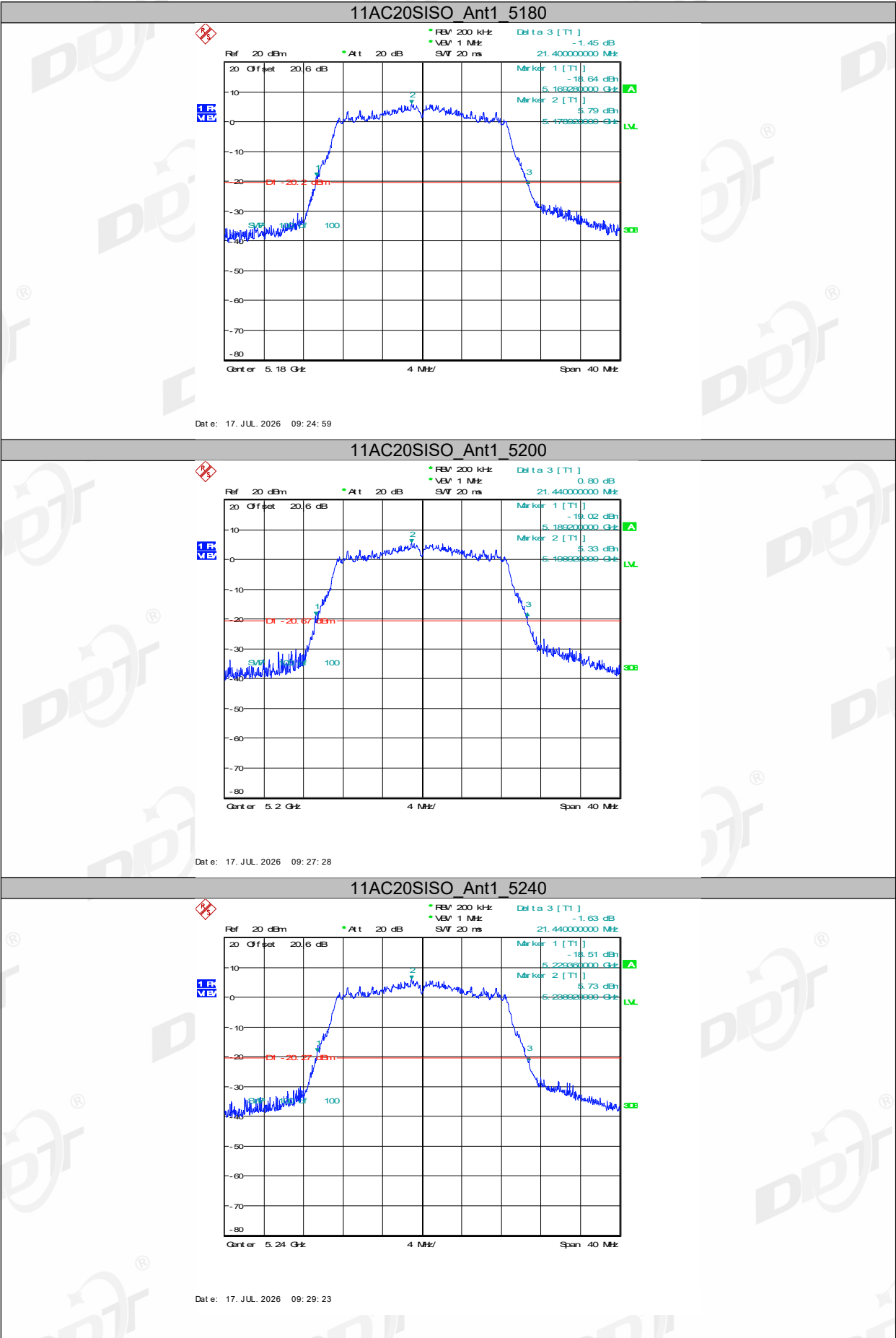


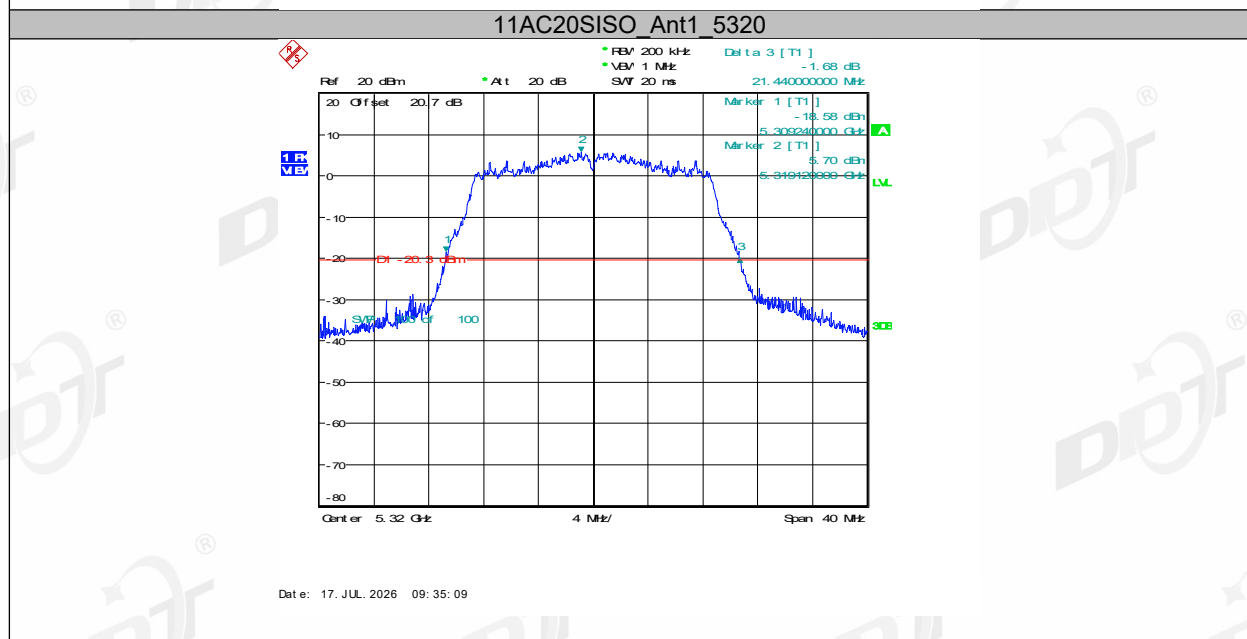
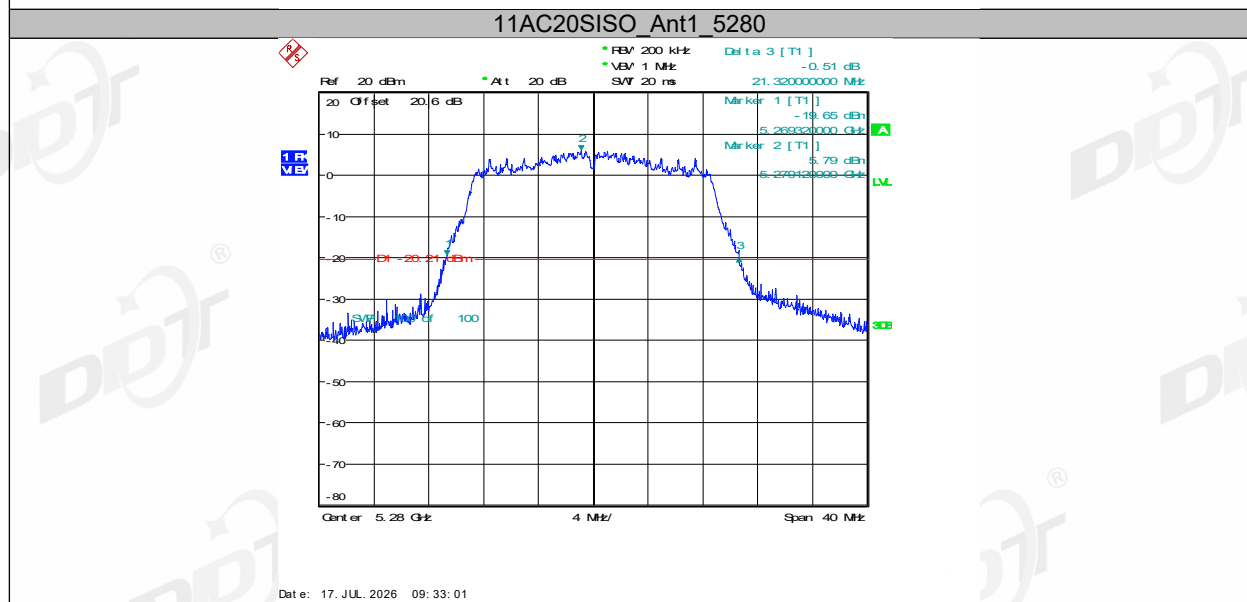
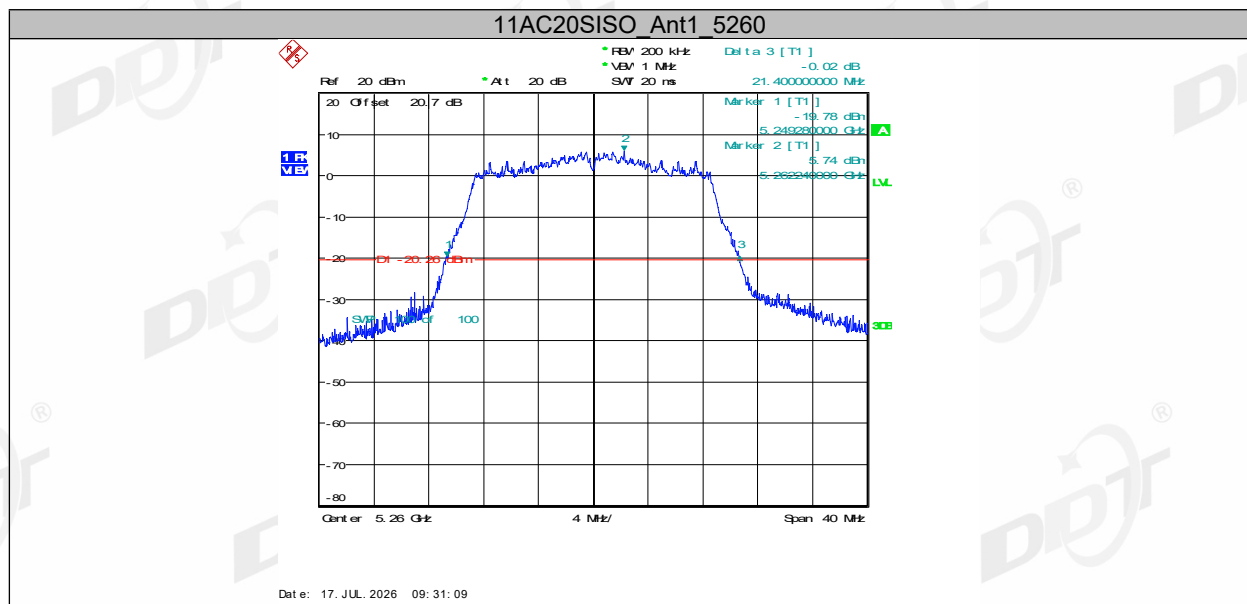


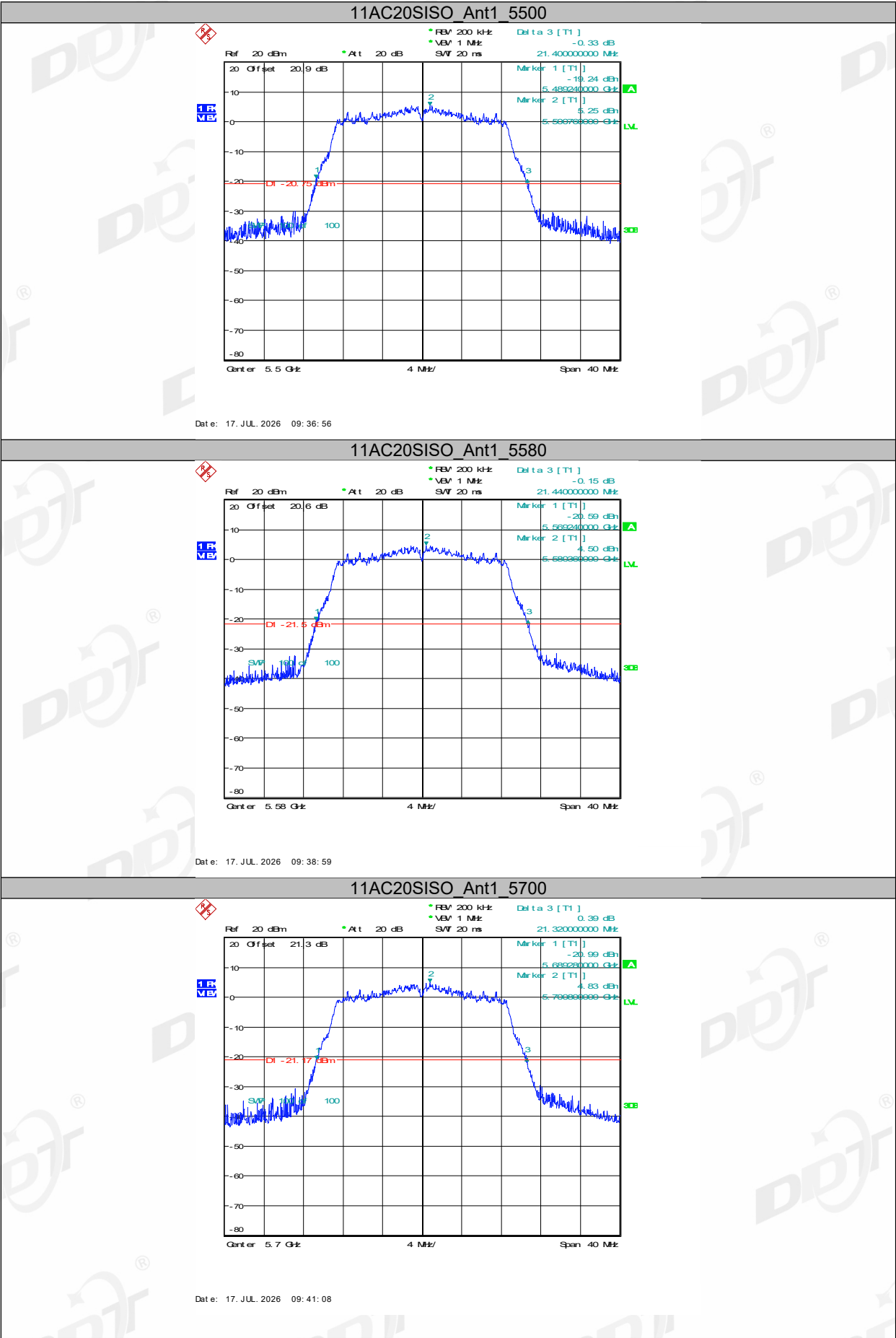


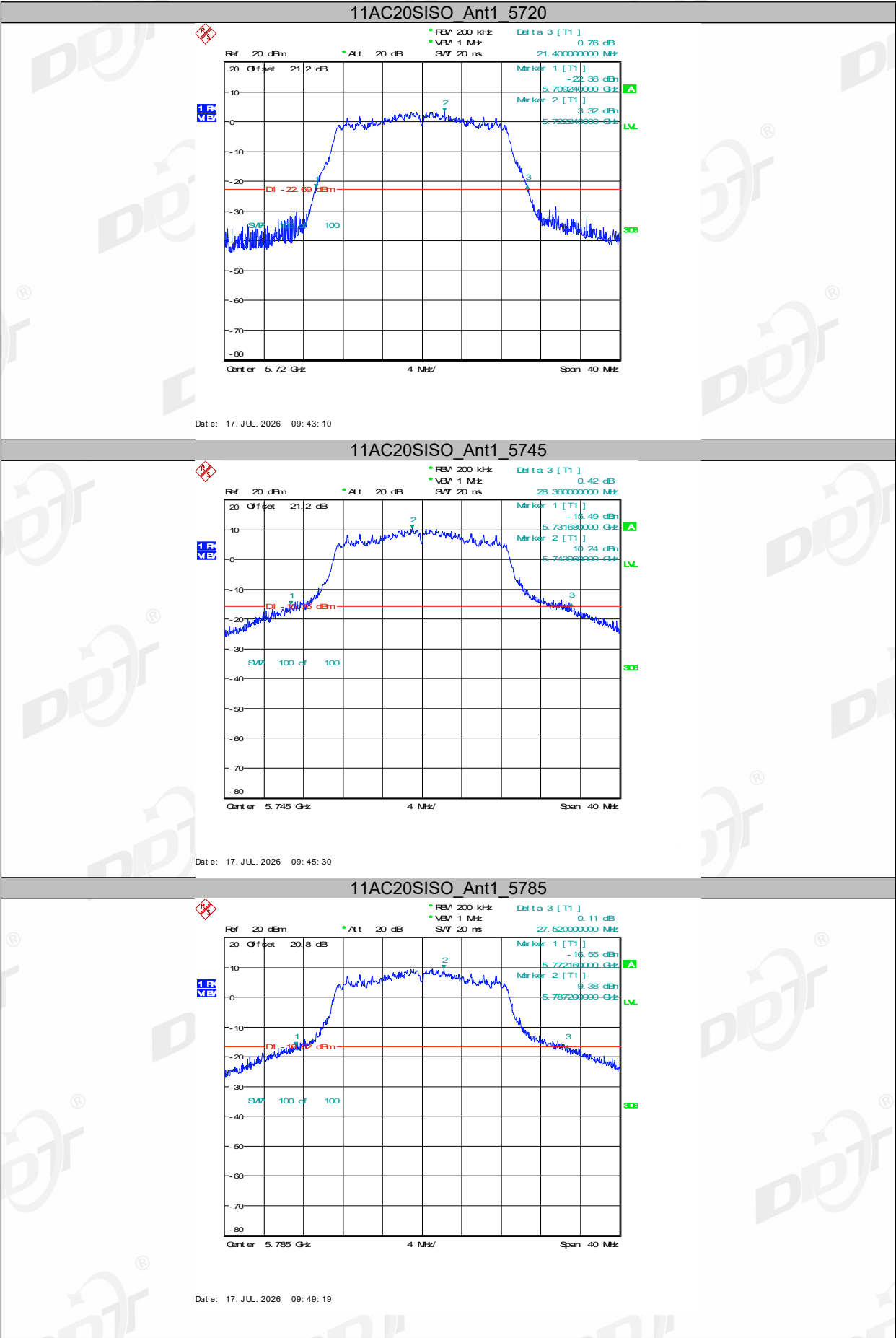


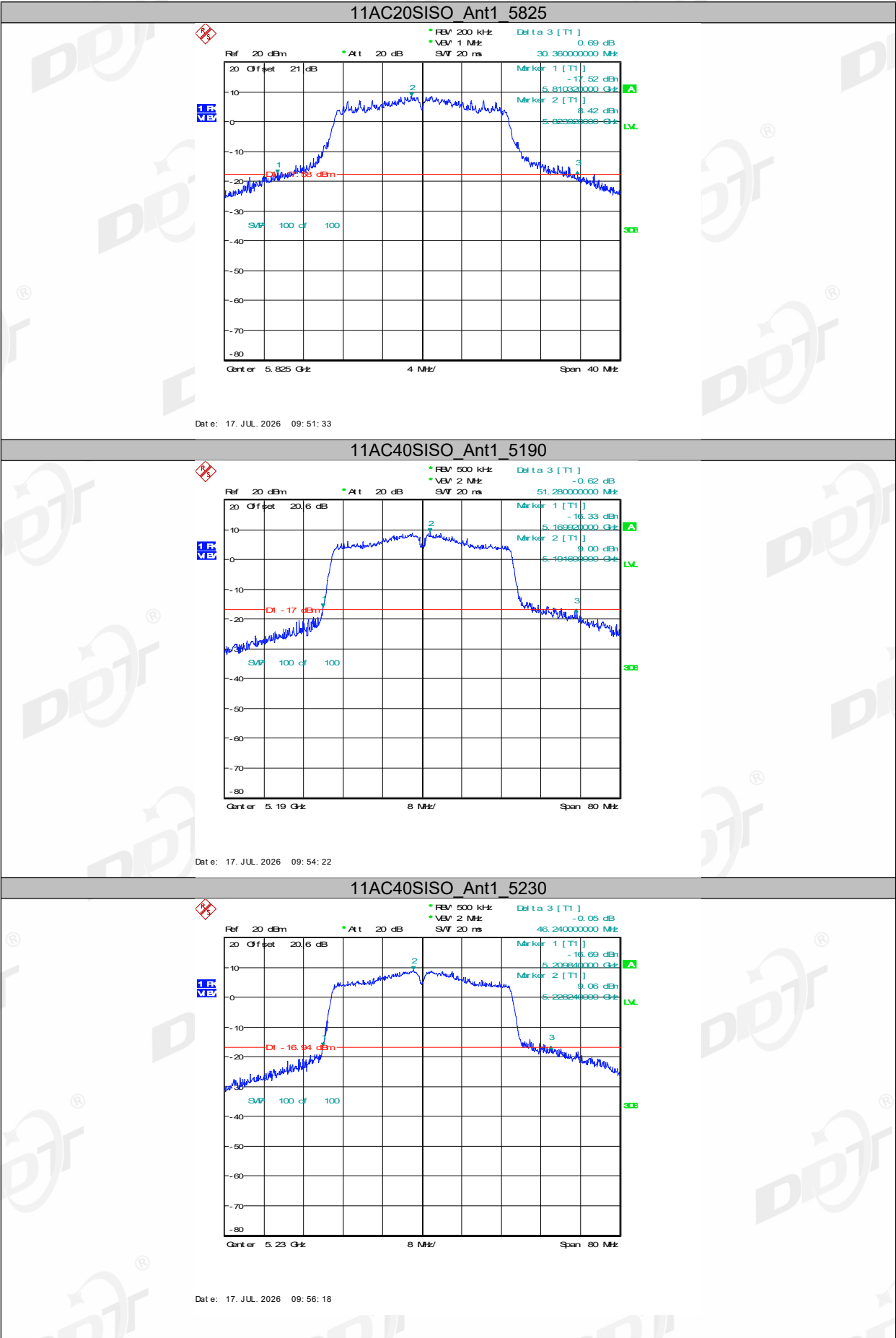


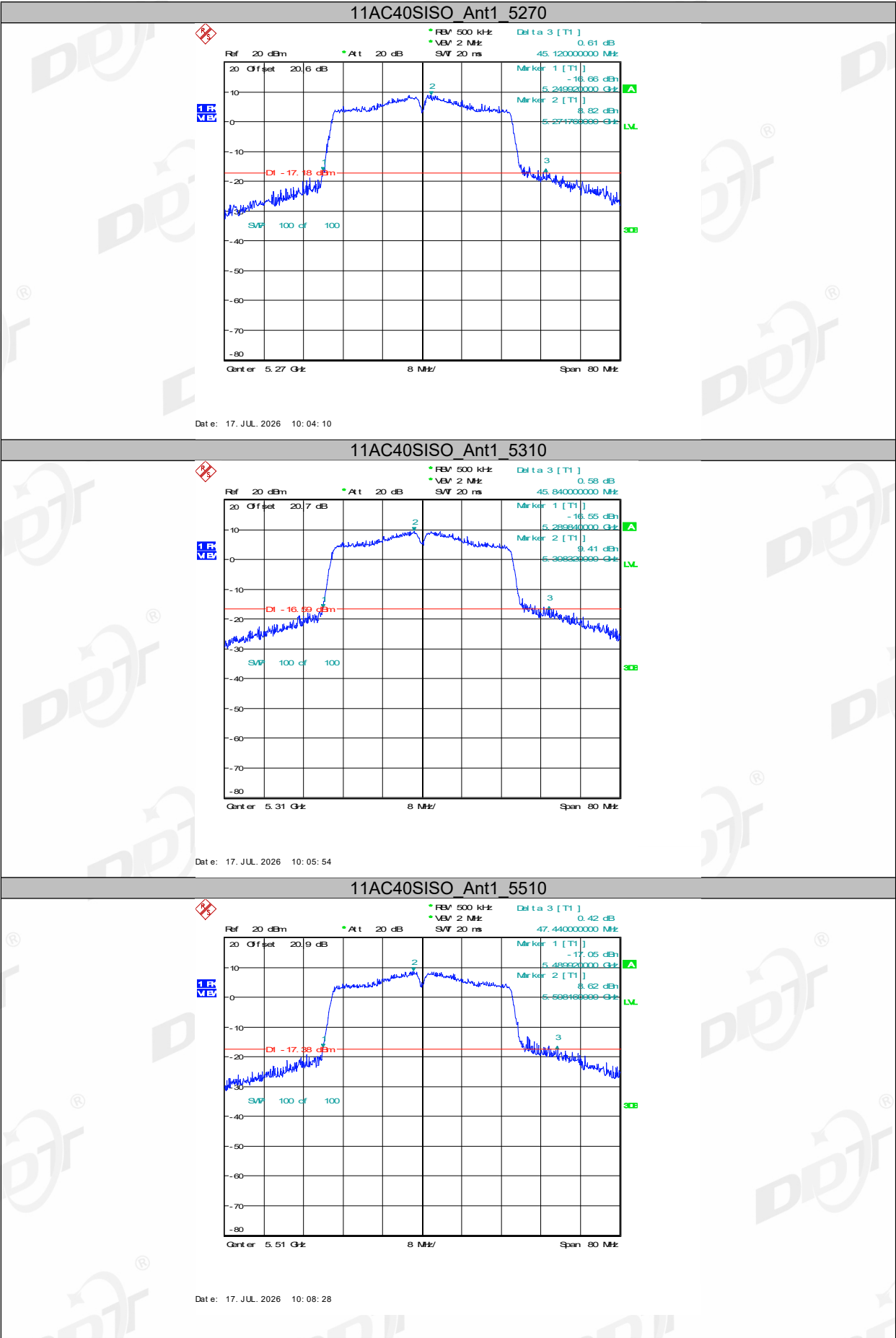


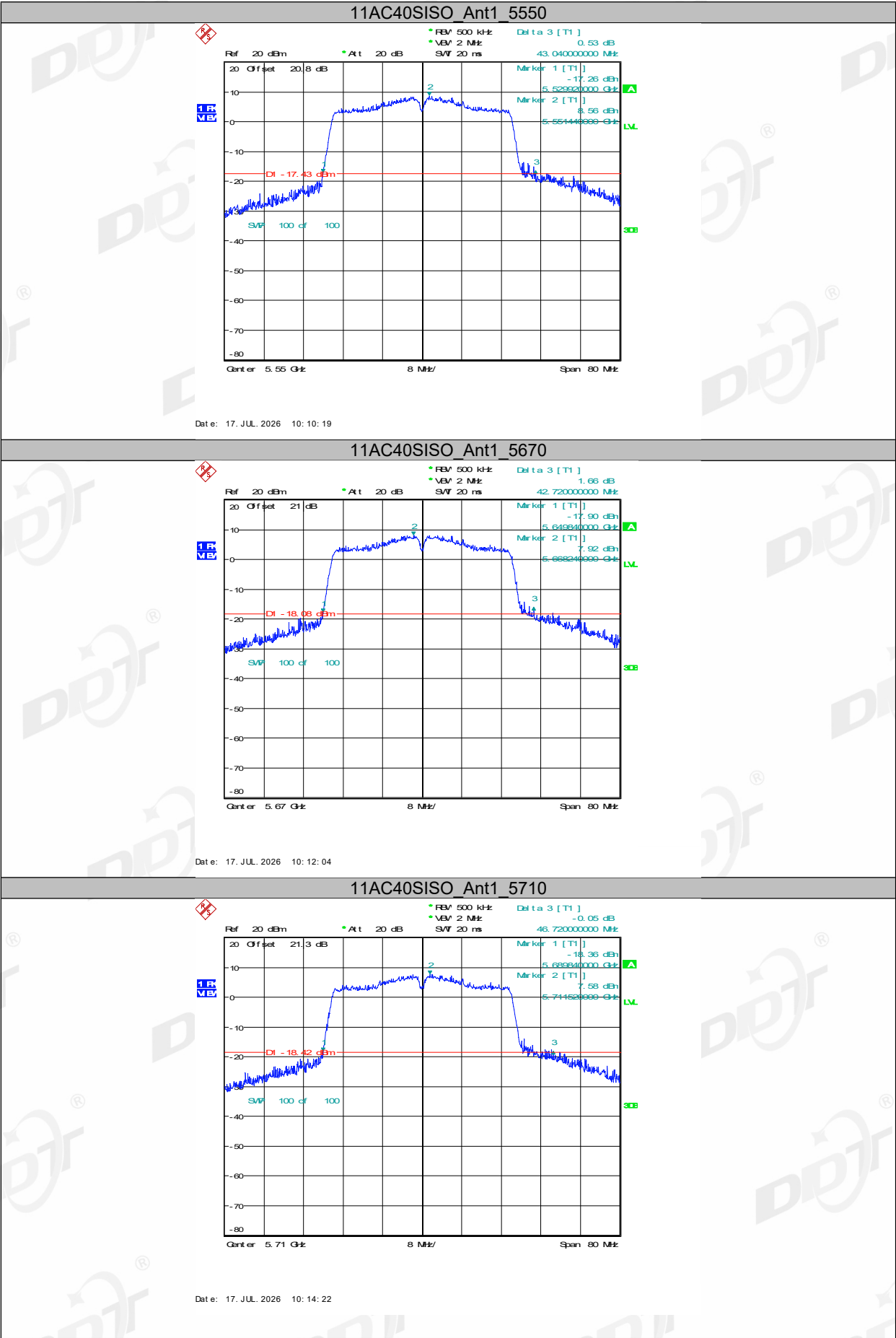


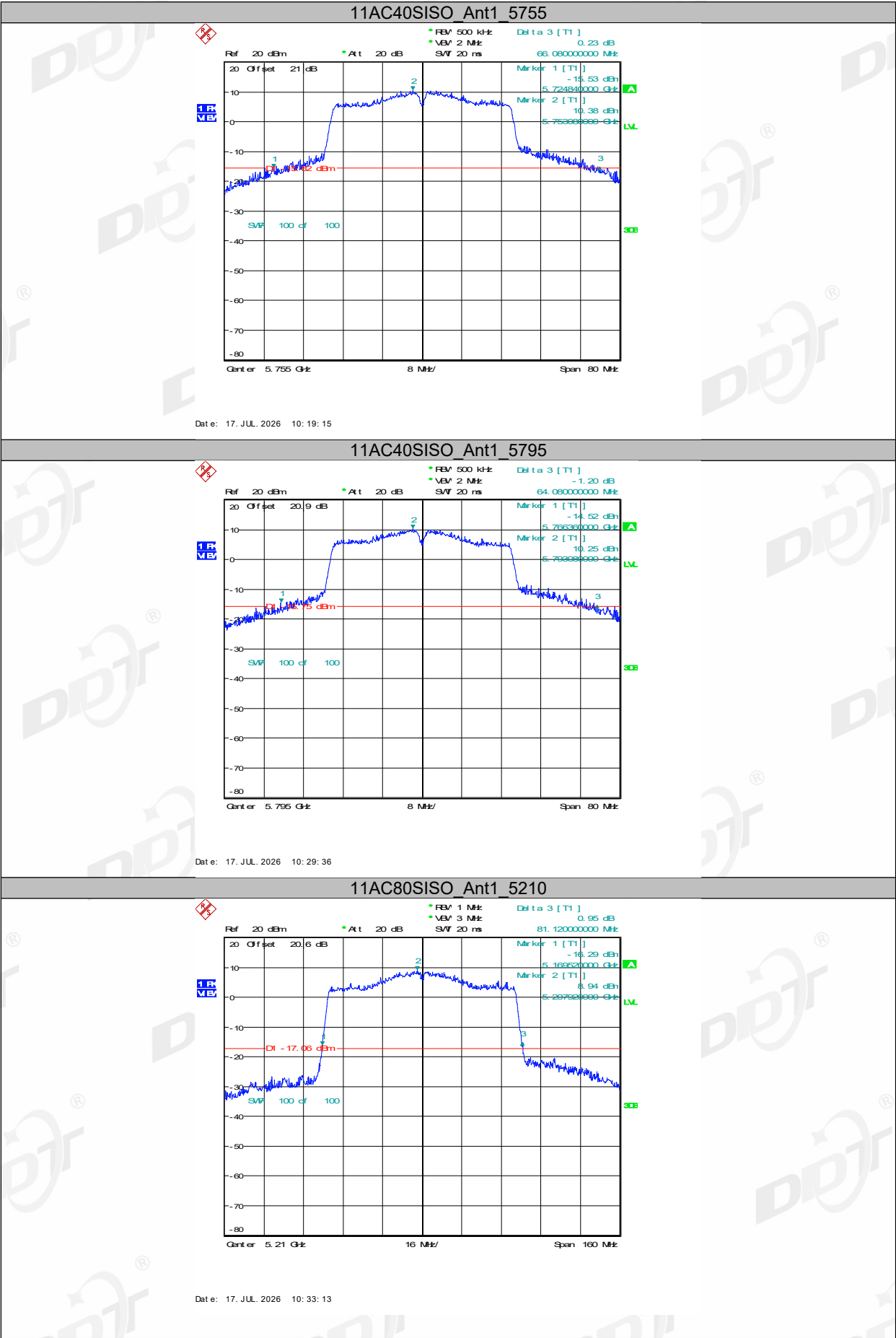


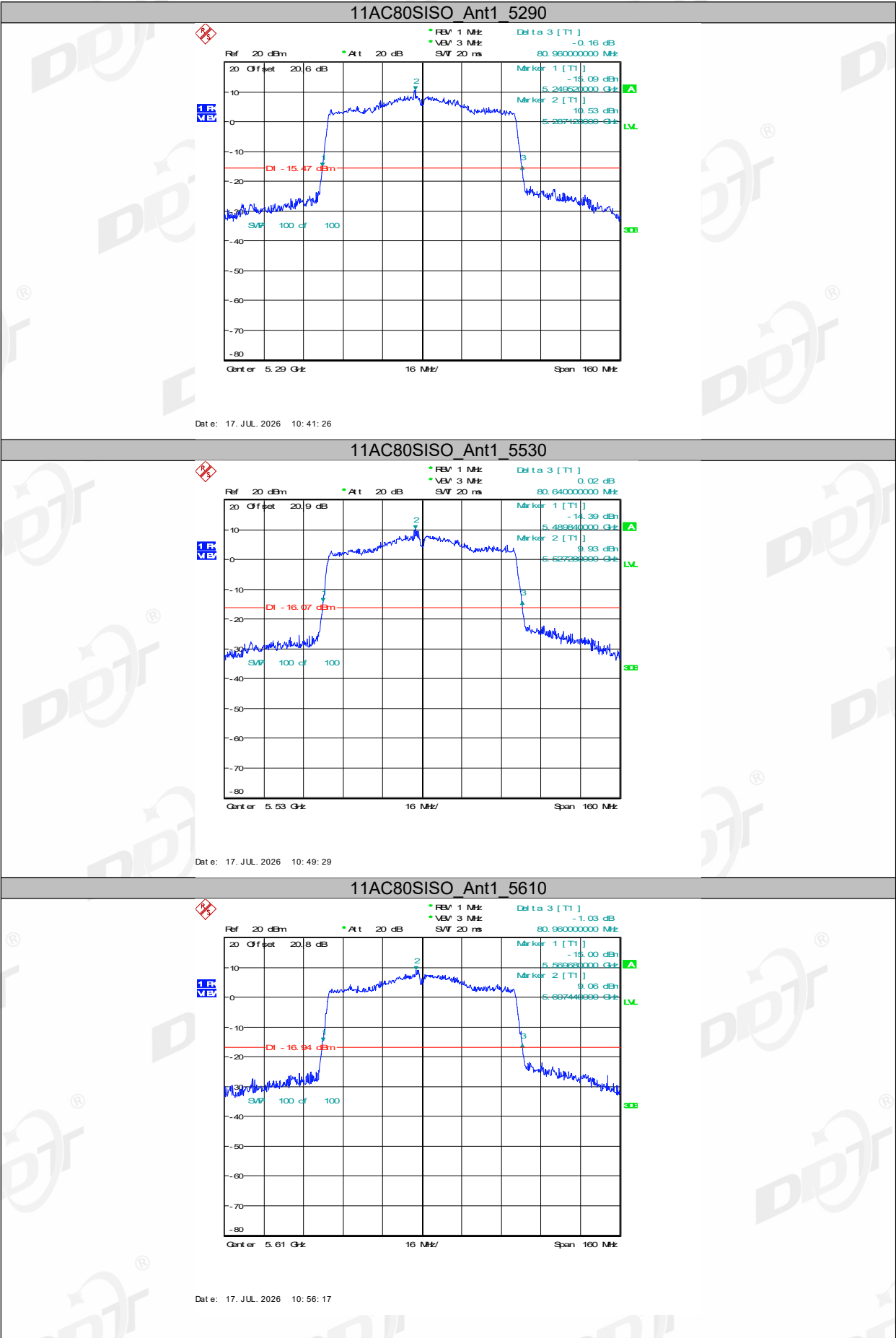








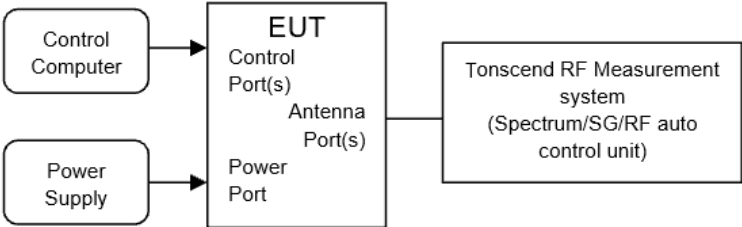






5. 6dB Bandwidth

5.1. Block diagram of test setup



5.2. Limits

FCC Part15, Subpart E/ RSS-247		
Test Item	Limit	Frequency Range (MHz)
6 dB Bandwidth	Minimum 500 kHz	5725 - 5850

5.3. Test procedure

Connect EUT’s antenna output to spectrum analyzer by RF cable.

Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	For 6 dB Bandwidth: RBW=100 kHz For 26 dB Bandwidth: approximately 1% of the emission bandwidth.
VBW	For 6 dB Bandwidth: VBW=300 kHz For 26 dB Bandwidth: >3 RBW
Trace	Max hold
Sweep	Auto couple

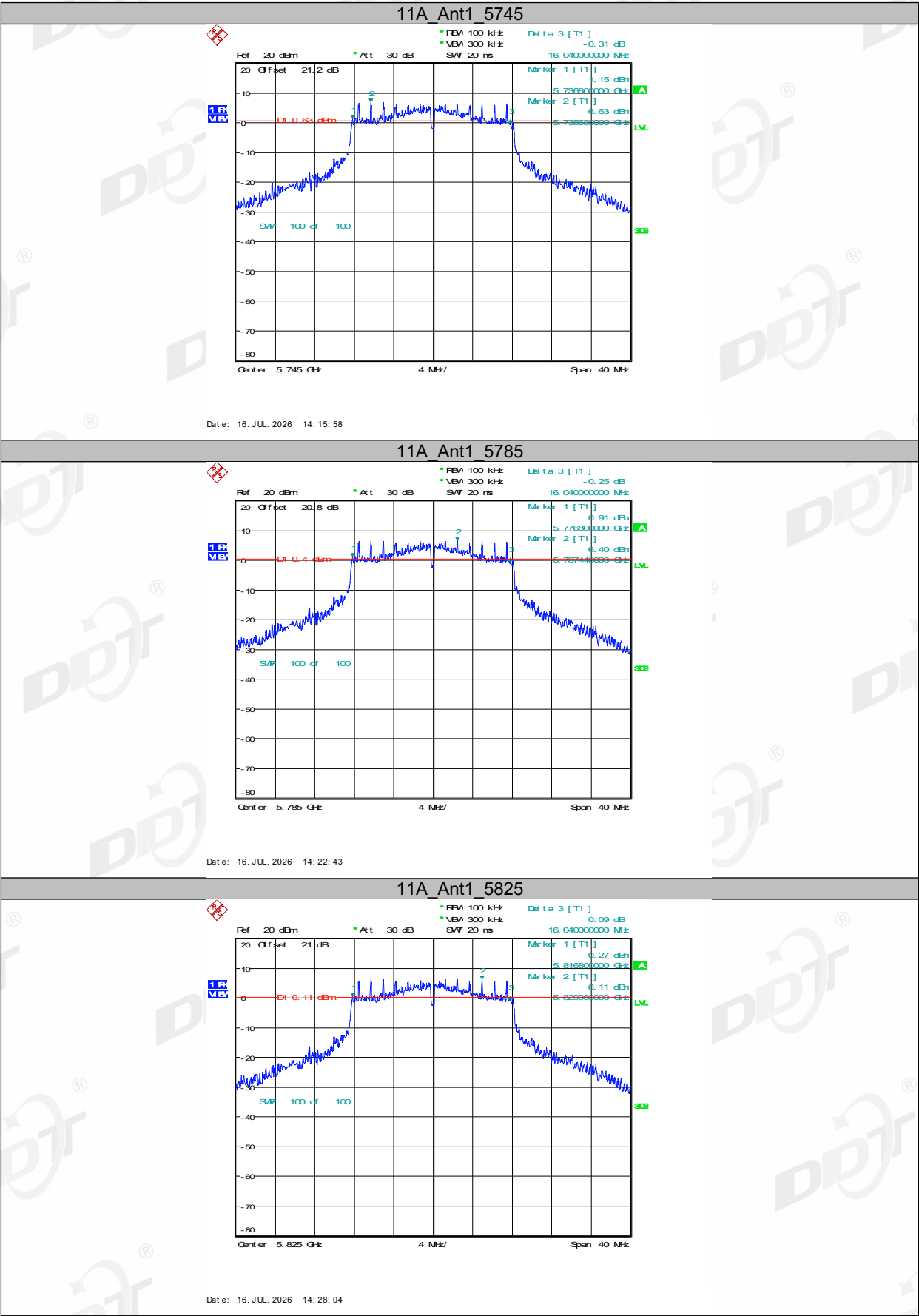
Allow the trace to stabilize, measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

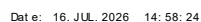
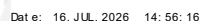
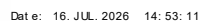
5.4. Test result

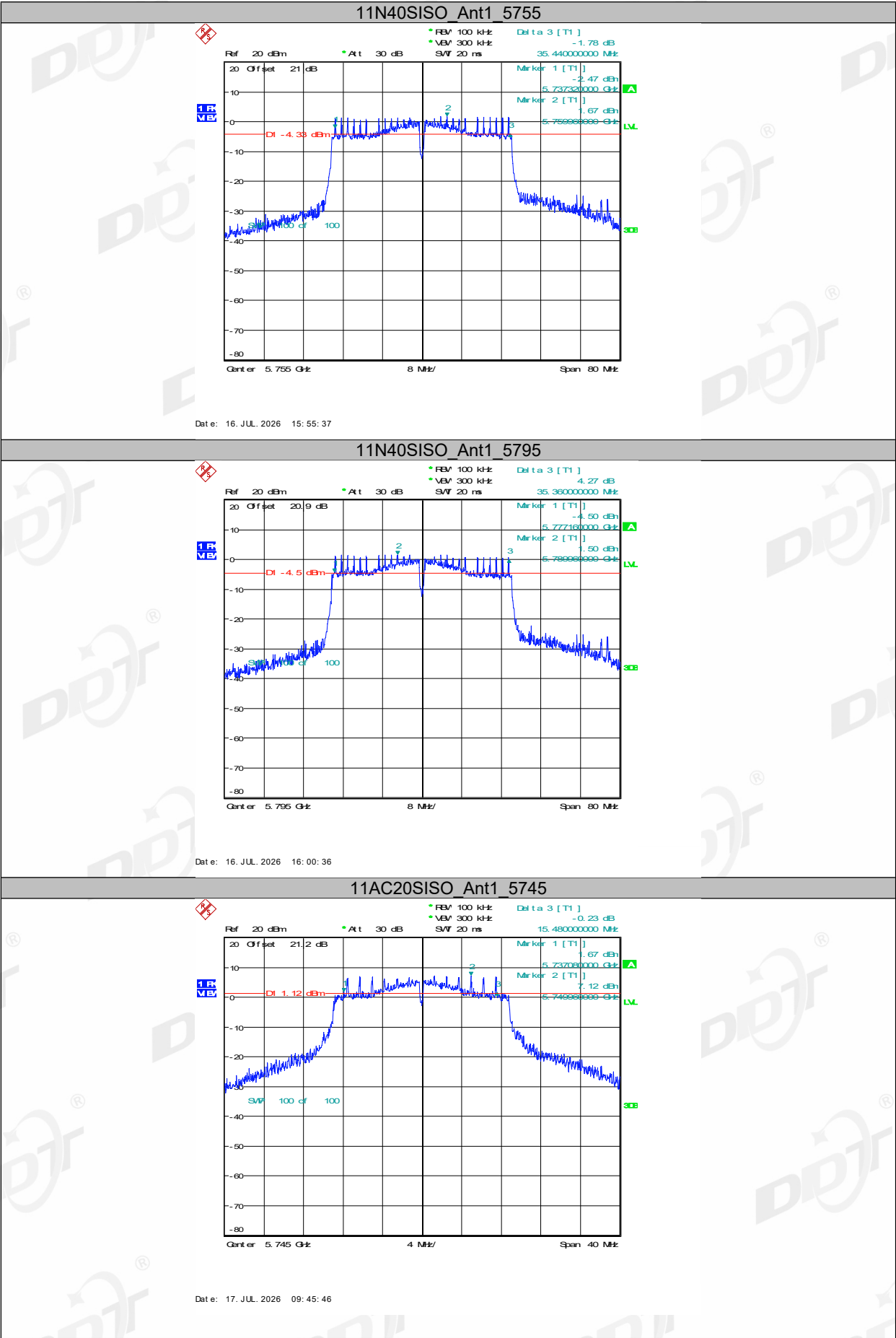
Test Engineer:	Zora Zhang	Test Site:	RF Measurement System 1#
Ambient Condition:	27.7-28.6℃,40.1-45.2%RH	Test Date:	2026.7.16-2026.7.17
Test Power Supply:	AC 120V	Sample Number:	S26061007-005

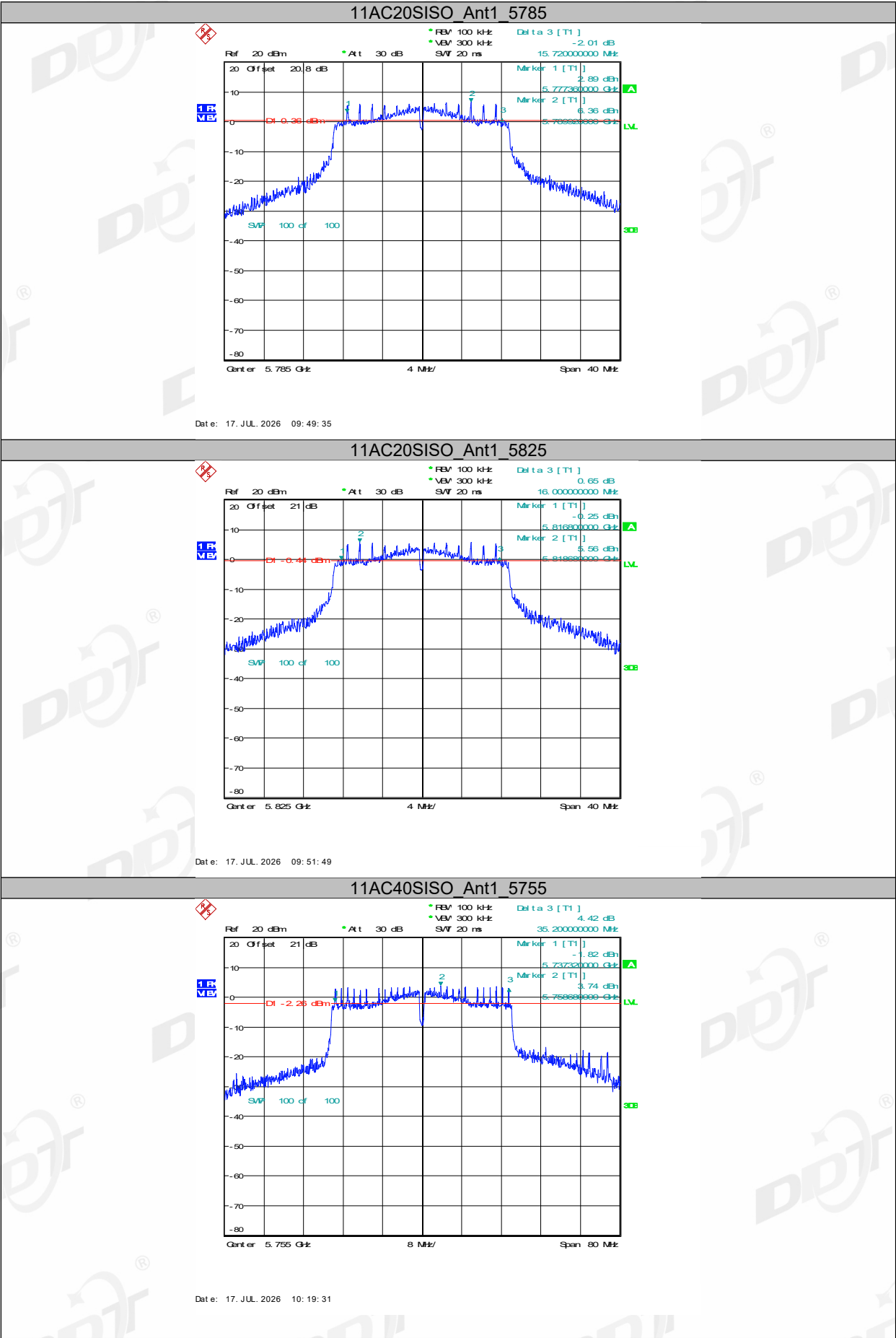
Test Mode	Antenna	Frequency [MHz]	6db EBW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11A	Ant1	5745	16.04	5736.80	5752.84	0.5	PASS
		5785	16.04	5776.80	5792.84	0.5	PASS
		5825	16.04	5816.80	5832.84	0.5	PASS
11N20SISO	Ant1	5745	16.12	5736.40	5752.52	0.5	PASS
		5785	16.04	5776.80	5792.84	0.5	PASS
		5825	16.12	5816.56	5832.68	0.5	PASS
11N40SISO	Ant1	5755	35.44	5737.32	5772.76	0.5	PASS
		5795	35.36	5777.16	5812.52	0.5	PASS
11AC20SISO	Ant1	5745	15.48	5737.08	5752.56	0.5	PASS
		5785	15.72	5777.36	5793.08	0.5	PASS
		5825	16.00	5816.80	5832.80	0.5	PASS
11AC40SISO	Ant1	5755	35.20	5737.32	5772.52	0.5	PASS
		5795	35.52	5777.00	5812.52	0.5	PASS
11AC80SISO	Ant1	5775	75.20	5737.40	5812.60	0.5	PASS

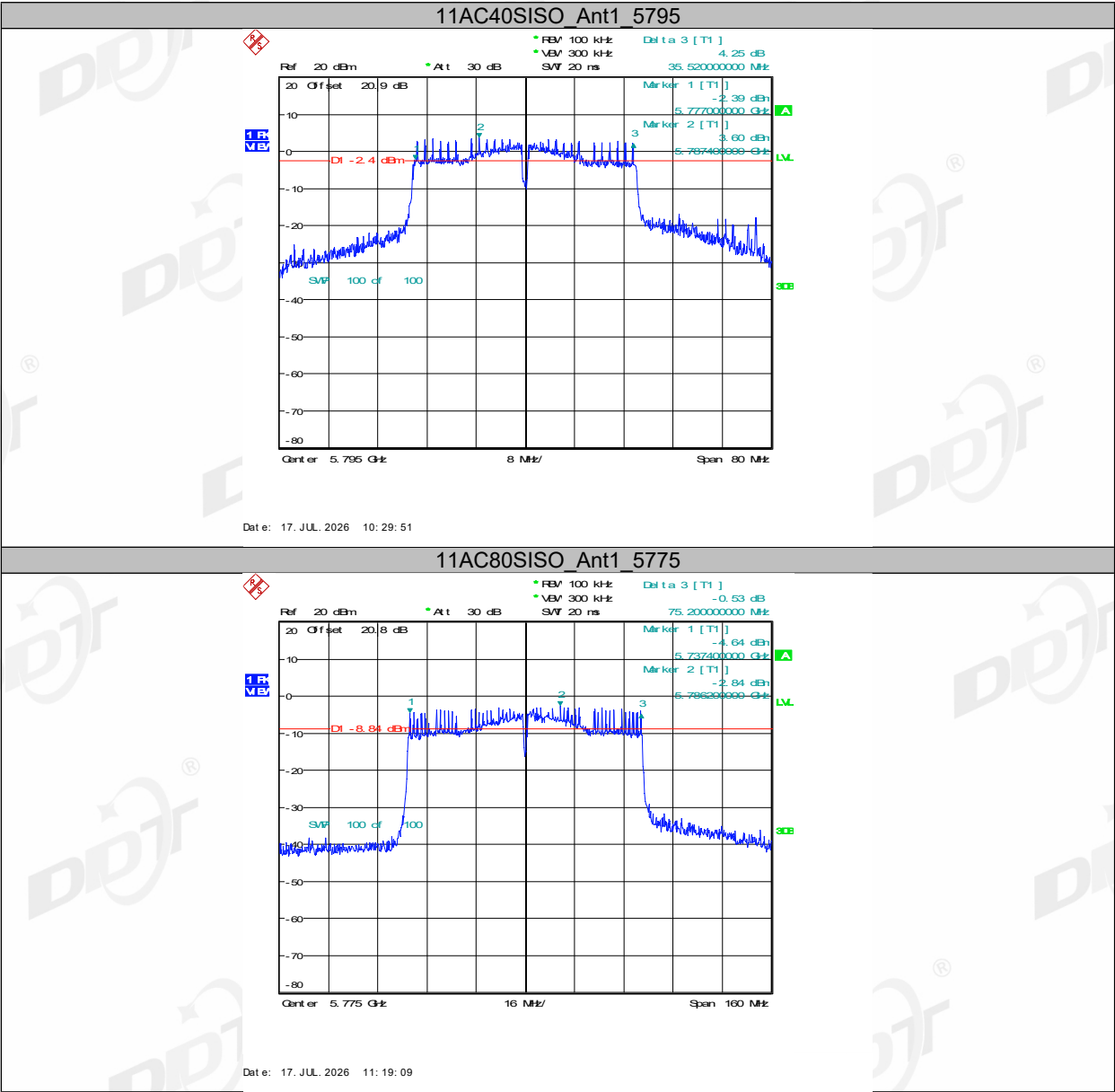
5.5. Test graphs





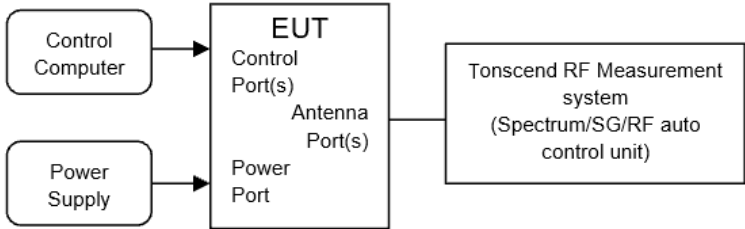






6. 99% Bandwidth

6.1. Block diagram of test setup



6.2. Limits

Just for Report.

6.3. Test procedure

- (1) Connect EUT's antenna output to spectrum analyzer by RF cable.

Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	1% to 5% of the OBW
VBW	approximately three times the RBW
Trace	Max hold

- (2) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.

6.4. Test result

Test Engineer:	Zora Zhang	Test Site:	RF Measurement System 1#
Ambient Condition:	27.7-28.6℃,40.1-45.2%RH	Test Date:	2026.7.16-2026.7.17
Test Power Supply:	AC 120V	Sample Number:	S26061007-005

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11A	Ant1	5180	17.360	5171.2000	5188.5600	---	---
		5200	17.280	5191.3200	5208.6000	---	---
		5240	17.360	5231.2000	5248.5600	---	---
		5260	17.240	5251.2800	5268.5200	---	---
		5280	17.320	5271.2400	5288.5600	---	---
		5320	17.240	5311.2400	5328.4800	---	---
		5500	17.280	5491.2800	5508.5600	---	---
		5580	17.320	5571.2000	5588.5200	---	---
		5700	17.360	5691.1600	5708.5200	---	---
		5720	17.280	5711.3200	5728.6000	---	---
		5720_UNII-2C	13.68	5711.3200	5725	---	---
		5720_UNII-3	3.6	5725	5728.6000	---	---
		5745	18.480	5735.5600	5754.0400	---	---
		5785	18.280	5775.7200	5794.0000	---	---
		5825	18.280	5815.8000	5834.0800	---	---
11N20SISO	Ant1	5180	18.280	5170.7600	5189.0400	---	---
		5200	18.200	5190.8800	5209.0800	---	---
		5240	18.240	5230.8000	5249.0400	---	---
		5260	18.240	5250.8400	5269.0800	---	---
		5280	18.240	5270.8400	5289.0800	---	---
		5320	18.200	5310.8000	5329.0000	---	---
		5500	18.280	5490.8000	5509.0800	---	---
		5580	18.200	5570.8400	5589.0400	---	---
		5700	18.280	5690.7200	5709.0000	---	---

		5720	18.320	5710.8400	5729.1600	---	---
		5720_UNII-2C	14.16	5710.8400	5725	---	---
		5720_UNII-3	4.16	5725	5729.1600	---	---
		5745	18.960	5735.4400	5754.4000	---	---
		5785	18.760	5775.5200	5794.2800	---	---
		5825	18.640	5815.6800	5834.3200	---	---
11N40SISO	Ant1	5190	36.480	5171.7600	5208.2400	---	---
		5230	36.480	5211.7600	5248.2400	---	---
		5270	36.400	5251.7600	5288.1600	---	---
		5310	36.400	5291.7600	5328.1600	---	---
		5510	36.480	5491.7600	5528.2400	---	---
		5550	36.640	5531.6800	5568.3200	---	---
		5670	36.400	5651.7600	5688.1600	---	---
		5710	36.560	5691.7600	5728.3200	---	---
		5710_UNII-2C	33.24	5691.7600	5725	---	---
		5710_UNII-3	3.32	5725	5728.3200	---	---
		5755	36.640	5736.6800	5773.3200	---	---
		5795	36.560	5776.6800	5813.2400	---	---
11AC20SISO	Ant1	5180	18.160	5170.8400	5189.0000	---	---
		5200	18.280	5190.8000	5209.0800	---	---
		5240	18.240	5230.8000	5249.0400	---	---
		5260	18.280	5250.7600	5269.0400	---	---
		5280	18.200	5270.8400	5289.0400	---	---
		5320	18.360	5310.7600	5329.1200	---	---
		5500	18.240	5490.8000	5509.0400	---	---
		5580	18.200	5570.8800	5589.0800	---	---
		5700	18.160	5690.8400	5709.0000	---	---
		5720	18.320	5710.8000	5729.1200	---	---
		5720_UNII-2C	14.2	5710.8000	5725	---	---
		5720_UNII-3	4.12	5725	5729.1200	---	---

		5745	18.680	5735.6400	5754.3200	---	---
		5785	18.680	5775.6800	5794.3600	---	---
		5825	18.920	5815.5200	5834.4400	---	---
11AC40SIS O	Ant1	5190	36.560	5171.6800	5208.2400	---	---
		5230	36.400	5211.7600	5248.1600	---	---
		5270	36.480	5251.6800	5288.1600	---	---
		5310	36.400	5291.7600	5328.1600	---	---
		5510	36.480	5491.7600	5528.2400	---	---
		5550	36.560	5531.7600	5568.3200	---	---
		5670	36.320	5651.7600	5688.0800	---	---
		5710	36.480	5691.7600	5728.2400	---	---
		5710_UNII-2C	33.24	5691.7600	5725	---	---
		5710_UNII-3	3.24	5725	5728.2400	---	---
		5755	37.440	5736.5200	5773.9600	---	---
		5795	37.280	5776.4400	5813.7200	---	---
11AC80SIS O	Ant1	5210	75.680	5172.2400	5247.9200	---	---
		5290	75.680	5252.0800	5327.7600	---	---
		5530	75.840	5492.2400	5568.0800	---	---
		5610	75.840	5572.0800	5647.9200	---	---
		5690	75.840	5652.0800	5727.9200	---	---
		5690_UNII-2C	72.92	5652.0800	5725	---	---
		5690_UNII-3	2.92	5725	5727.9200	---	---
		5775	75.680	5737.0800	5812.7600	---	---

11A Ant1_5180

Ref 20 dBm Att 20 dB RBW 500 kHz VBW 2 MHz SWF 20 ns Marker 1 [T1] 10.31 dB

20 Off set 20,6 dB

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268 10.31 dB

269 10.31 dB

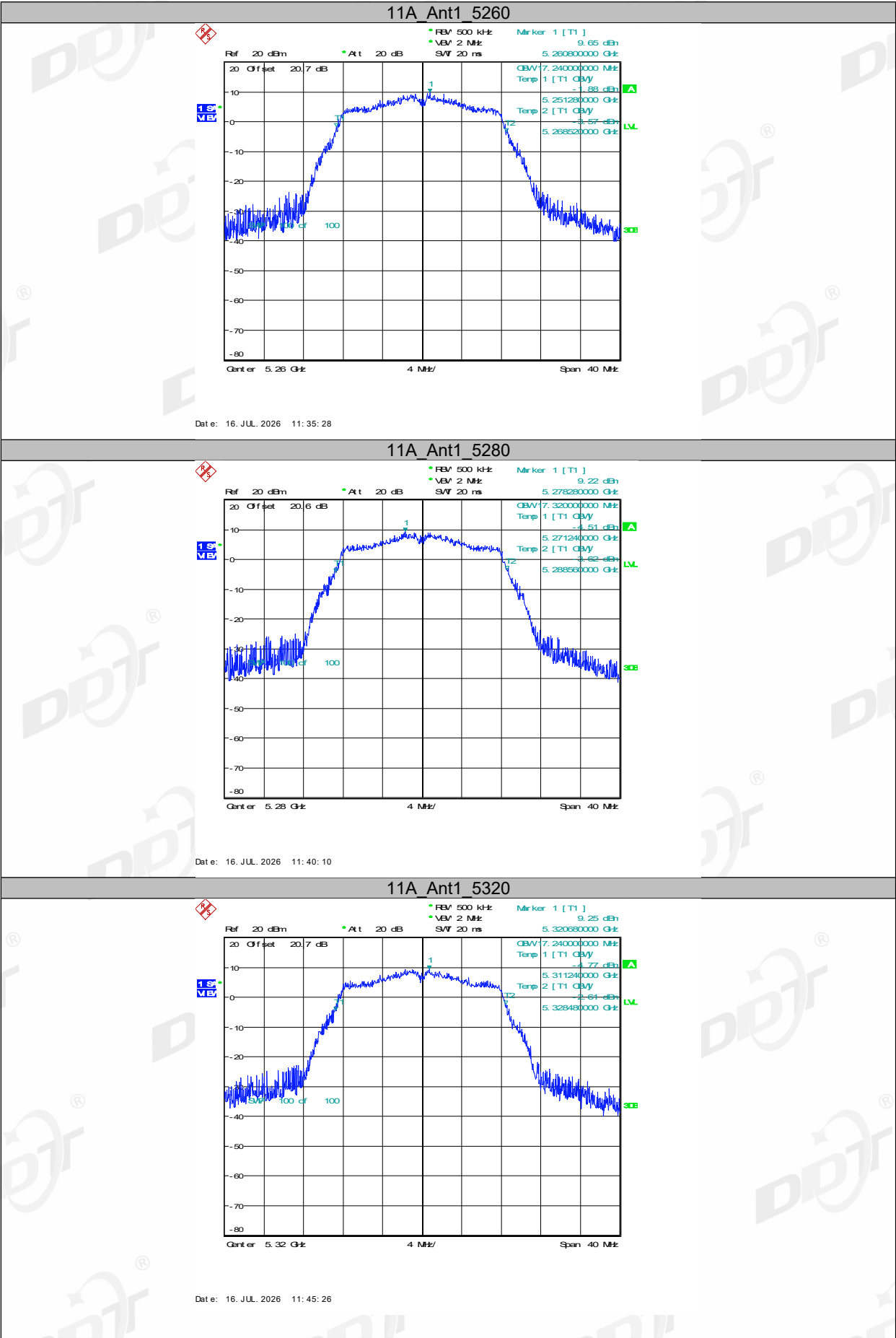
270 10.31 dB

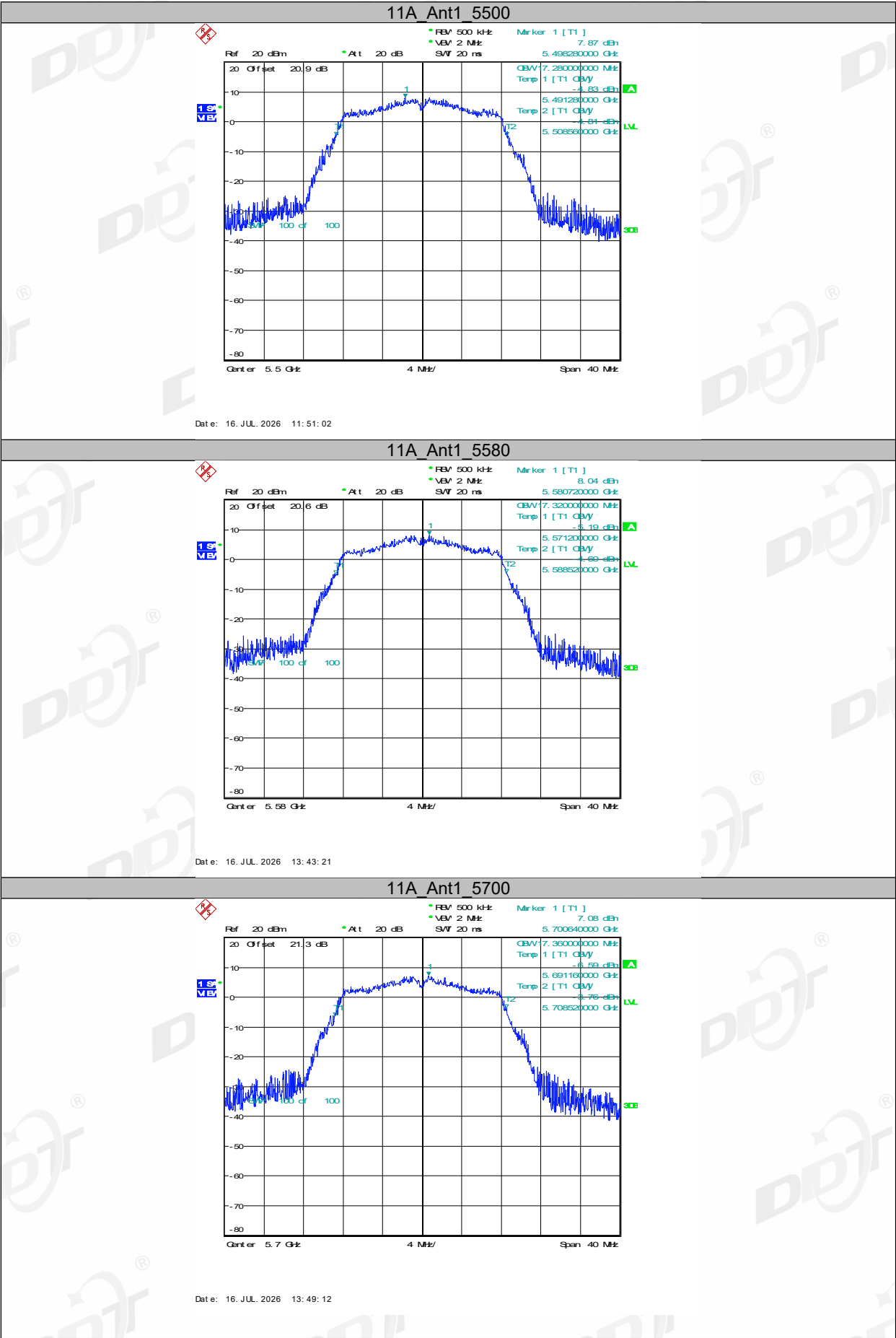
271 10.31 dB

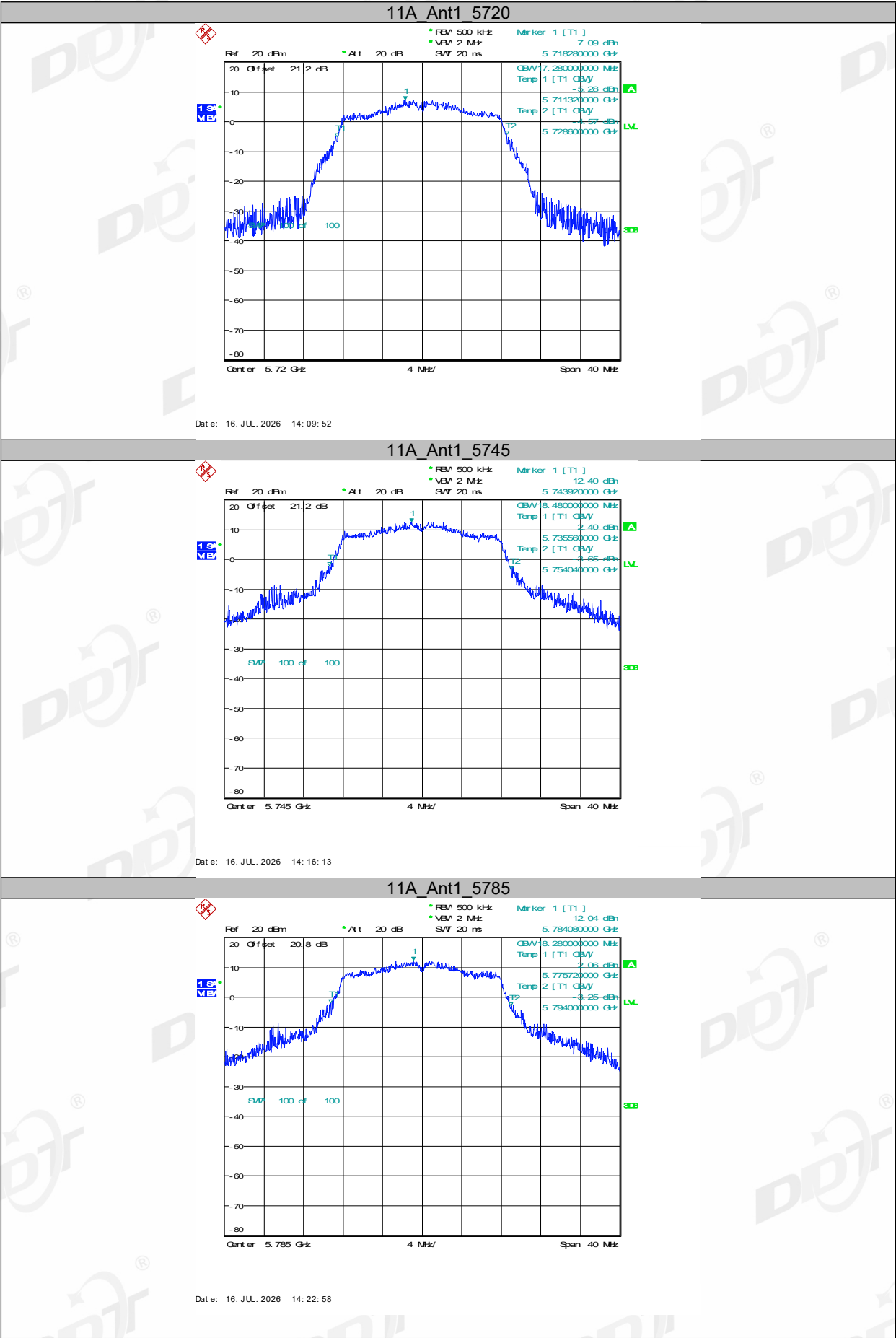
272 10.31 dB

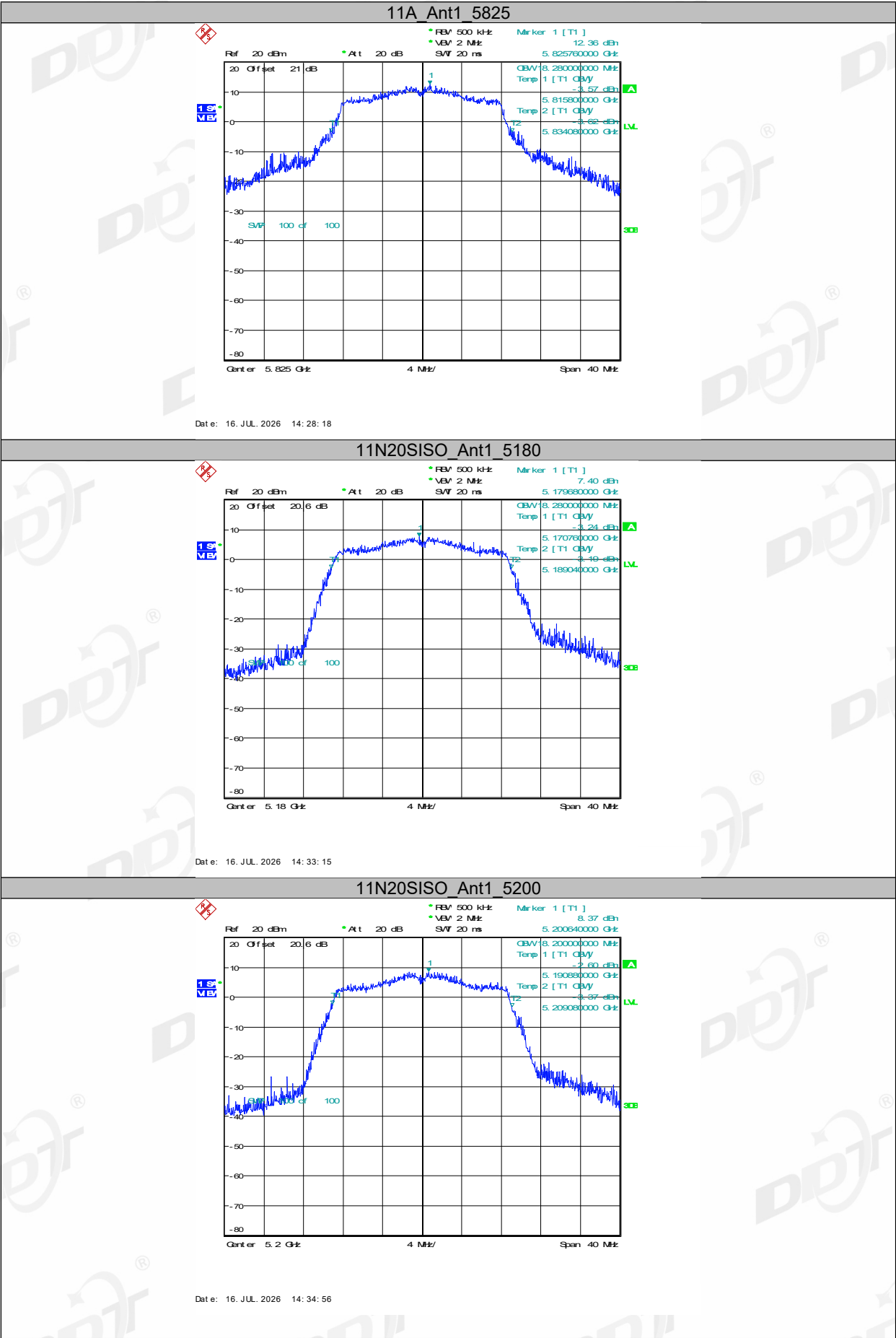
273 10.31 dB

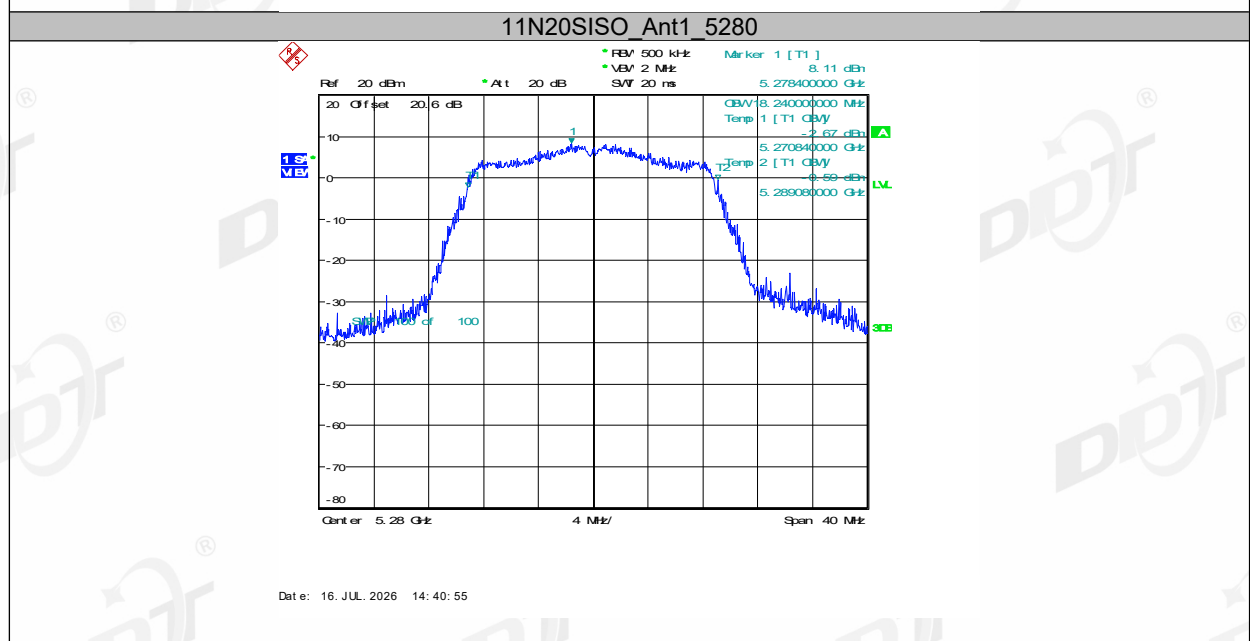
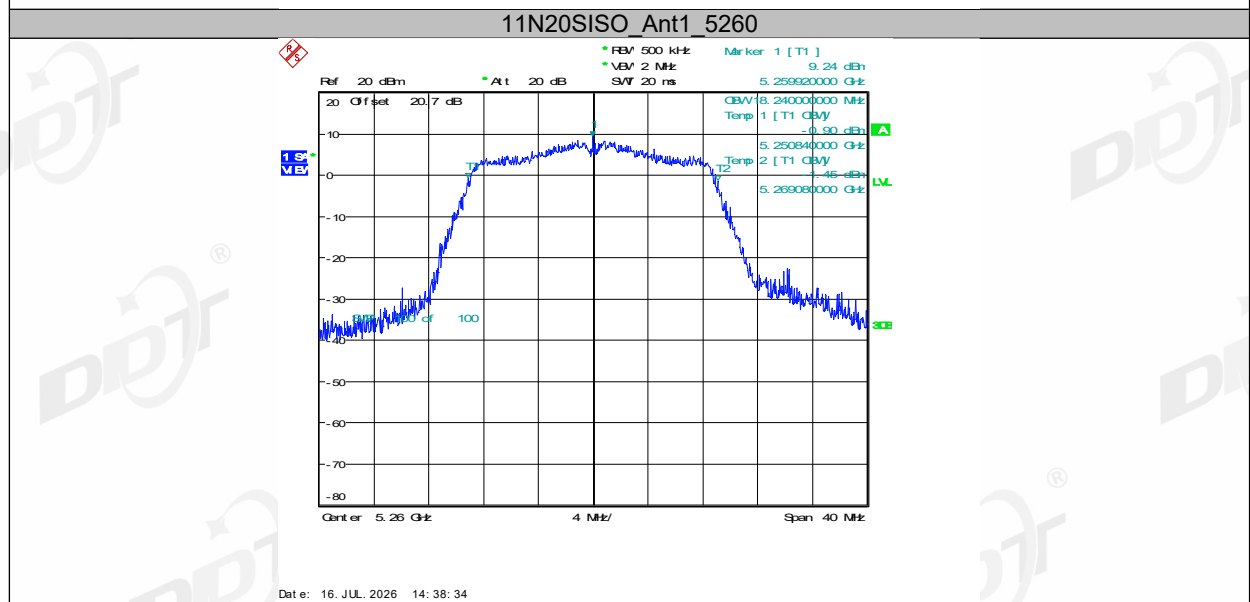
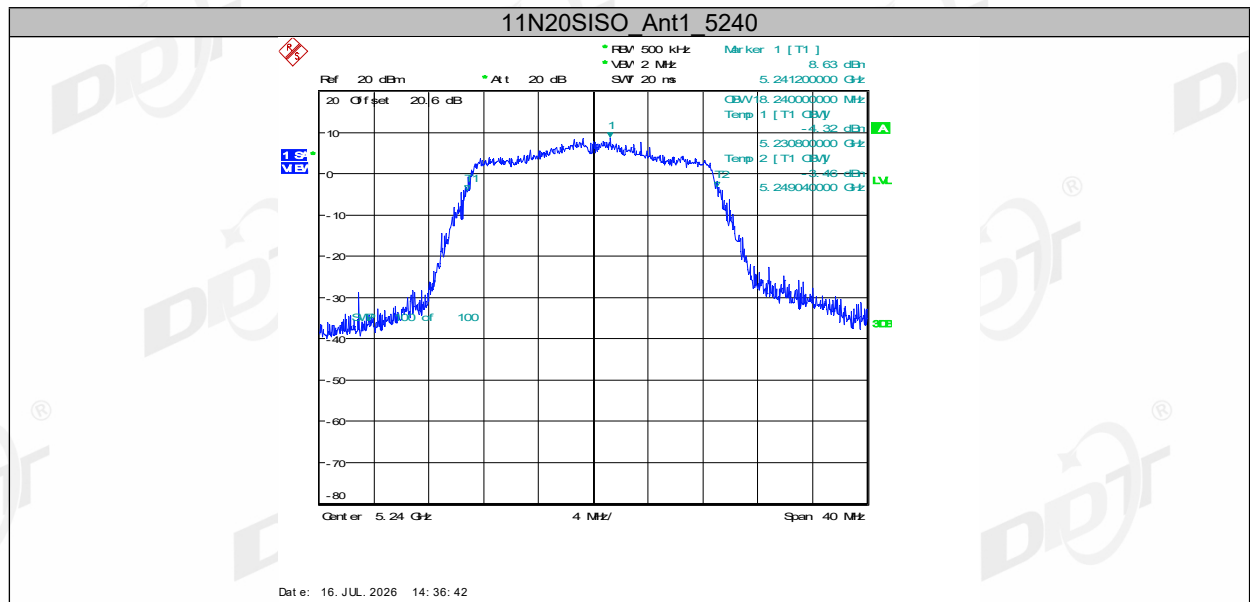
274 1

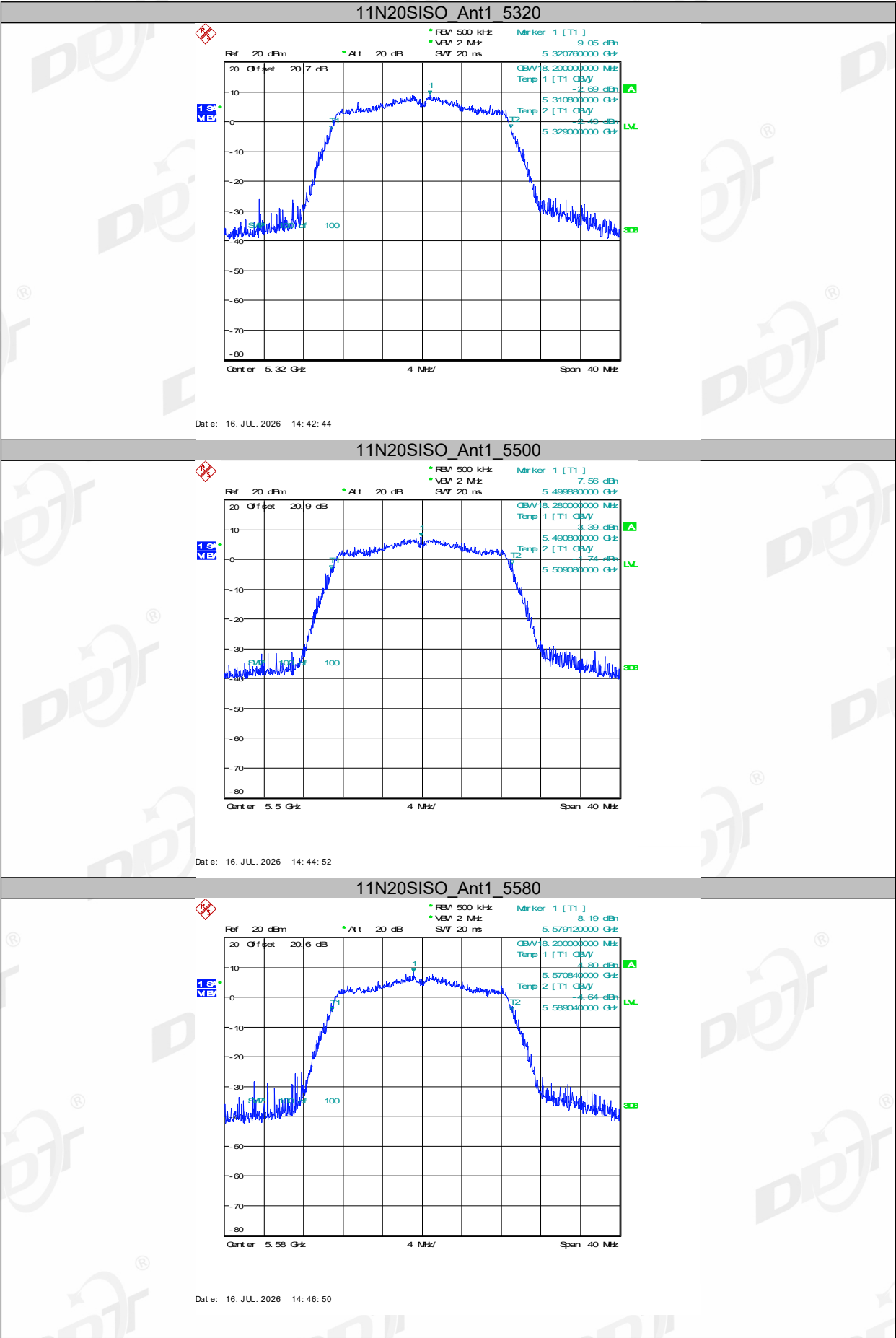


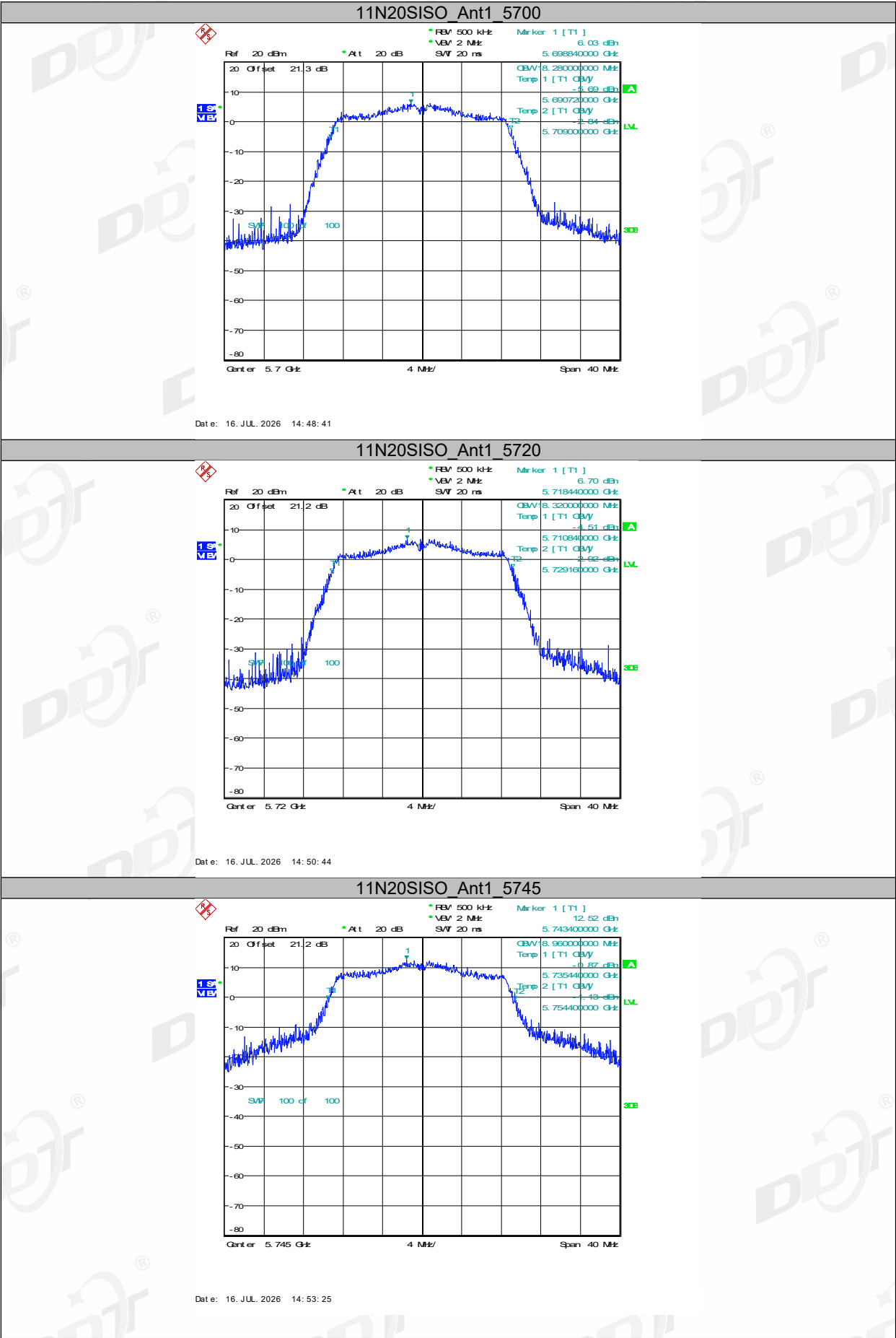


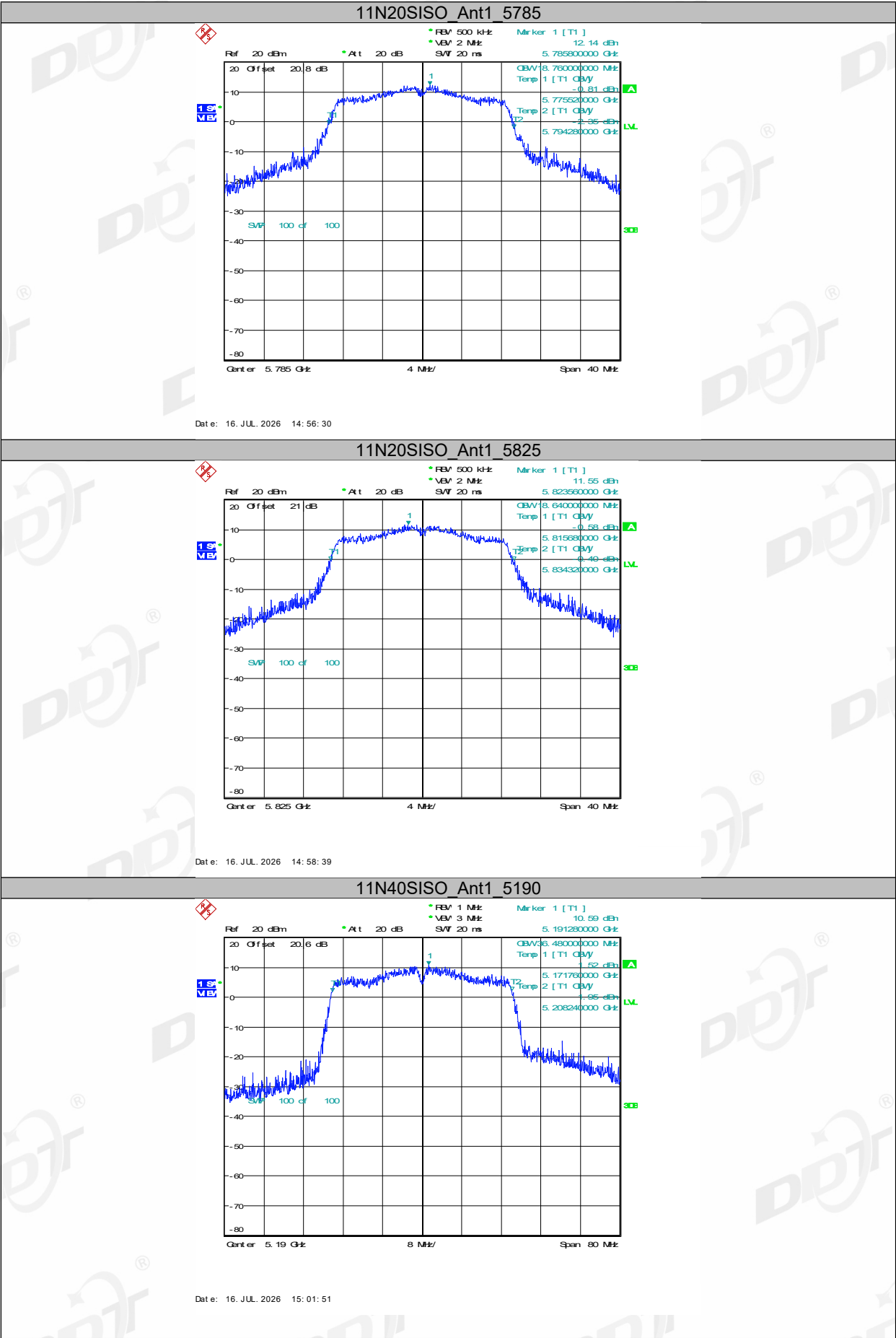


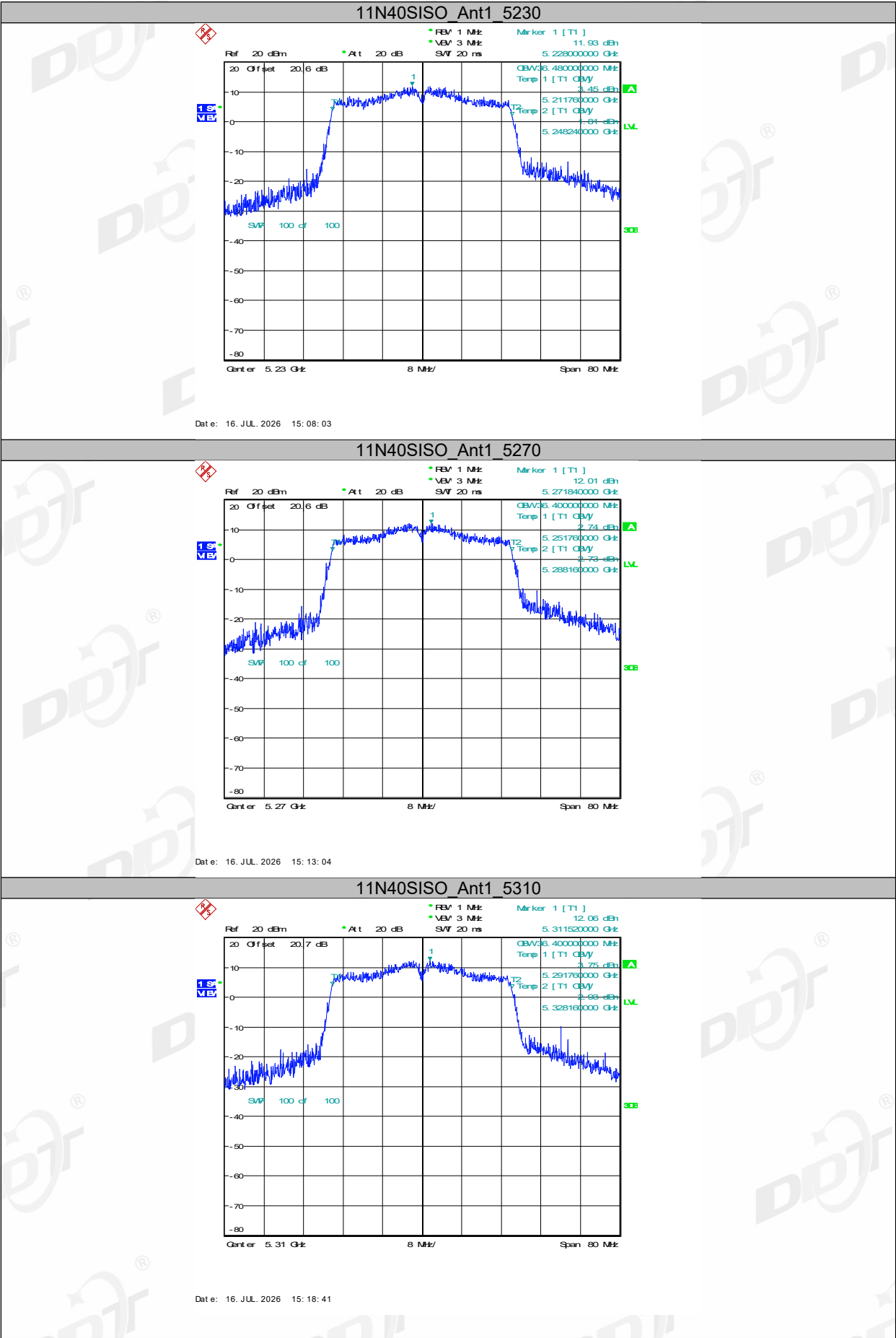


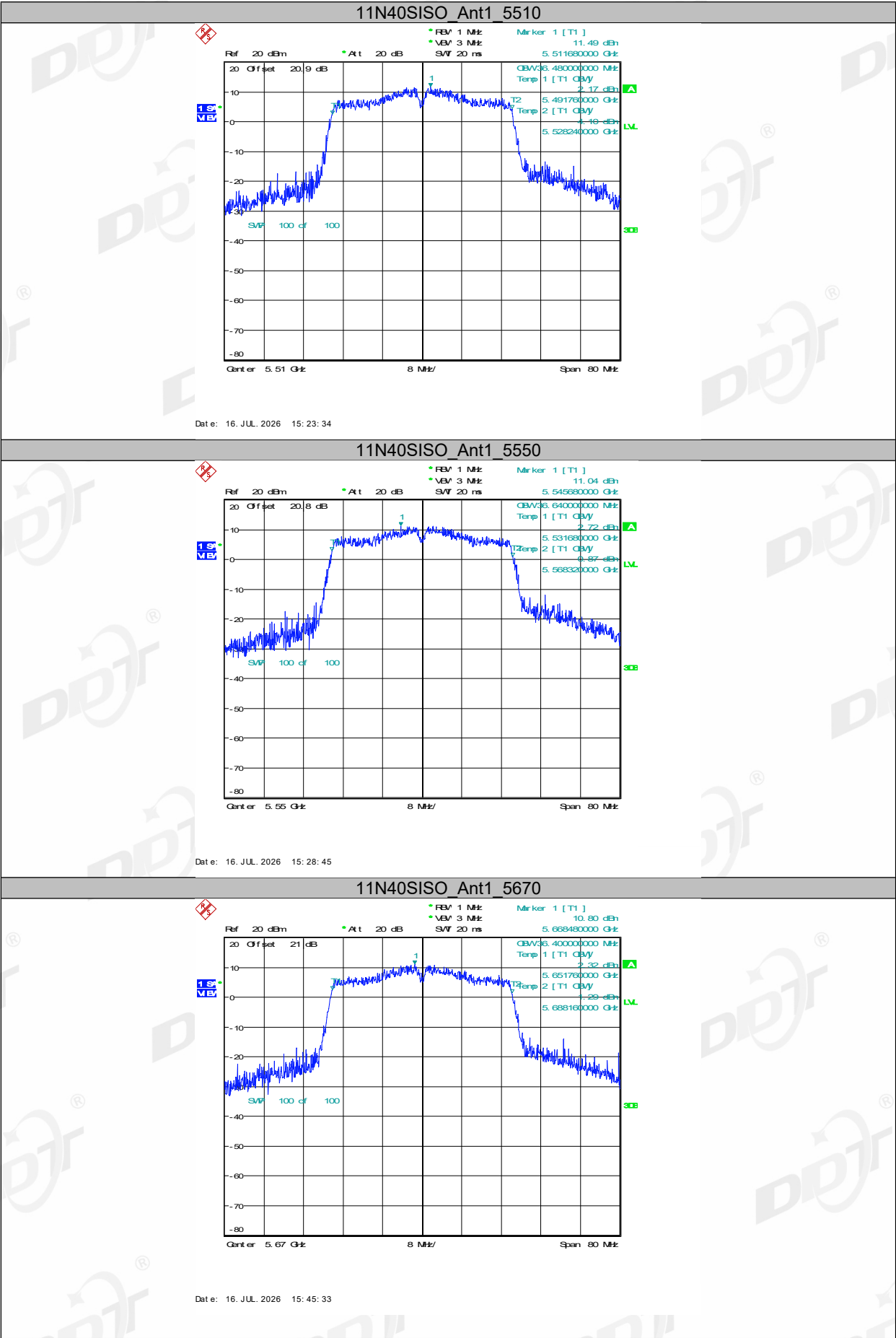


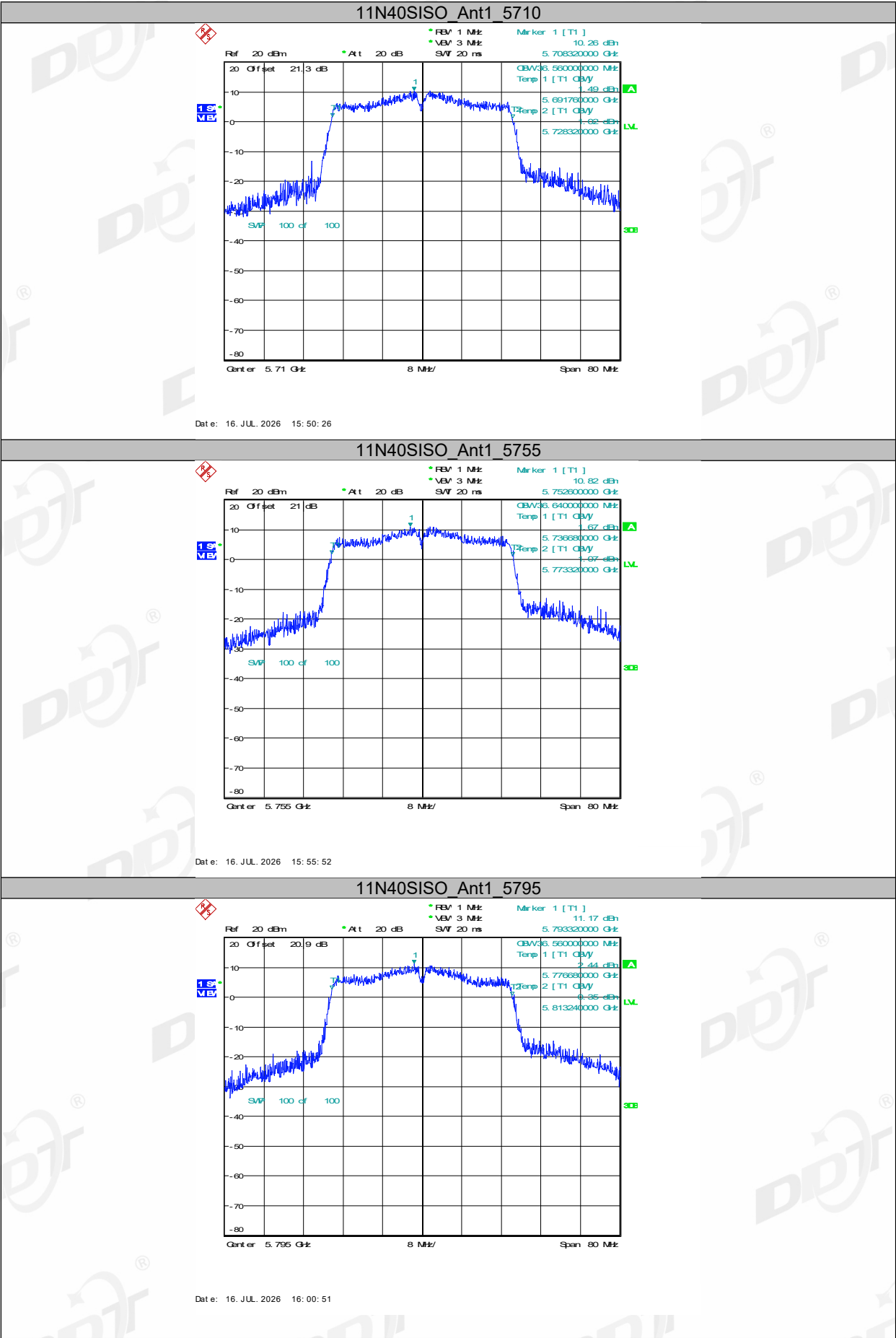


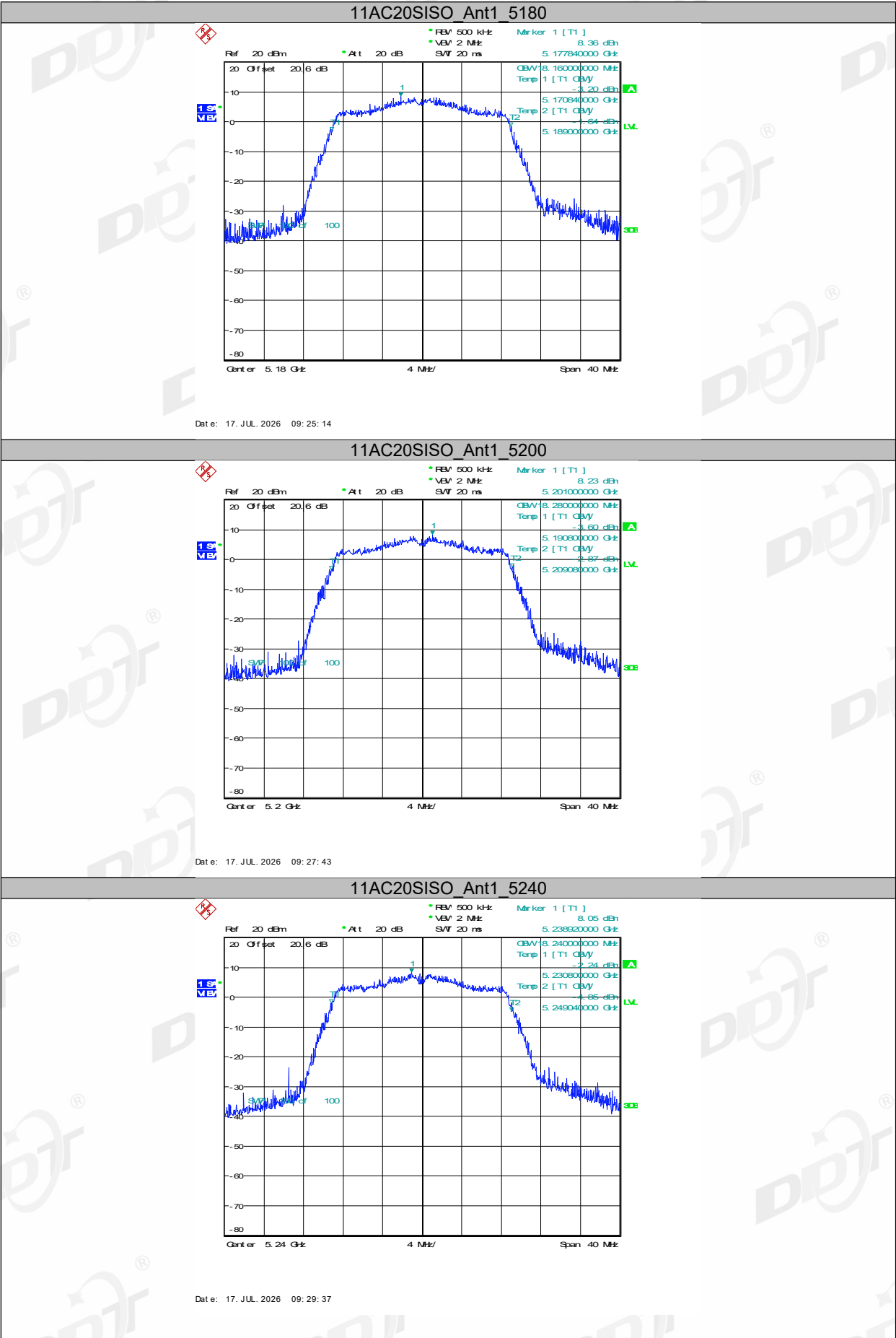


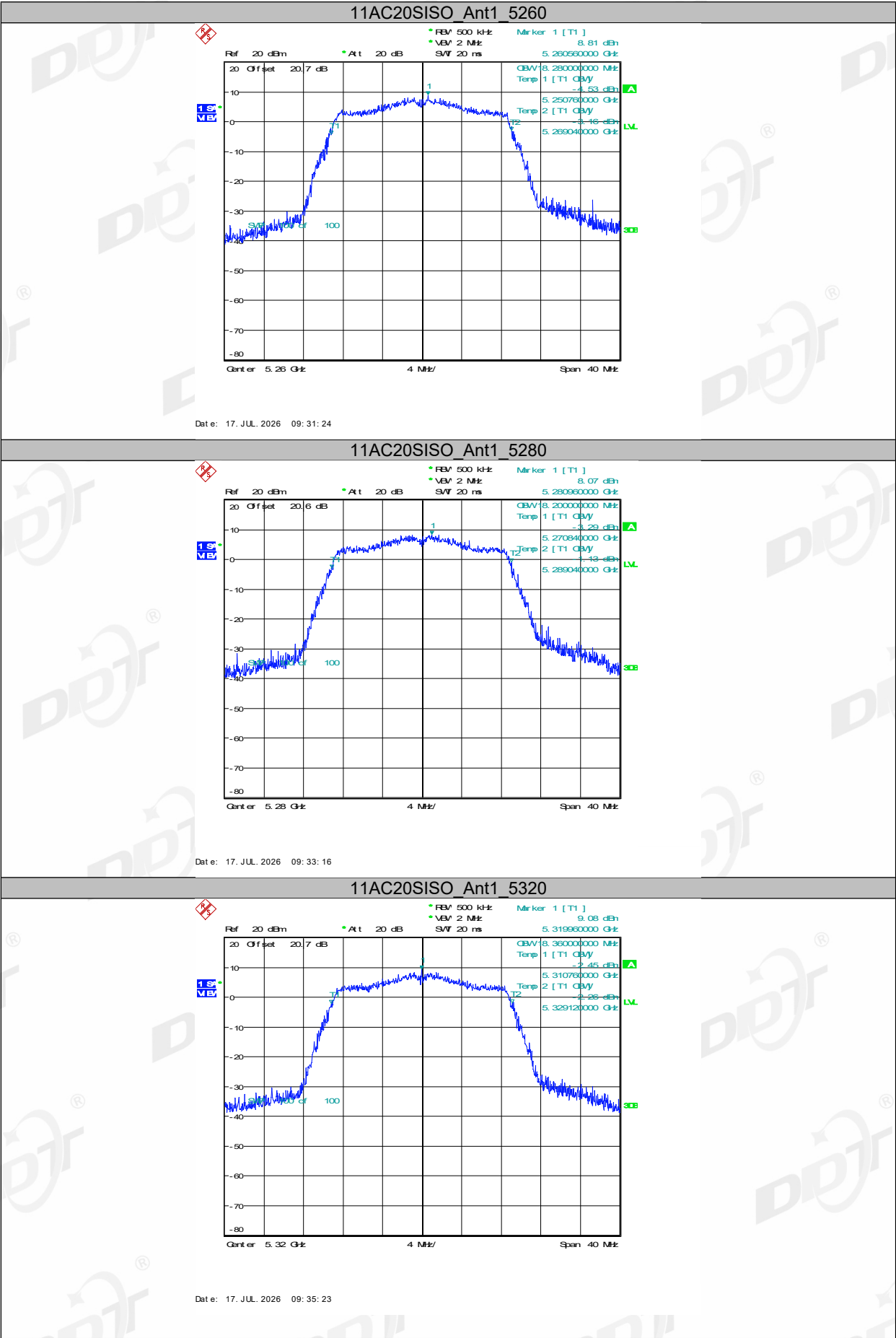












11AC20SISO_Ant1_5280

Ref 20 dBm

Offset 20.6 dB

Att 20 dB

RBW 500 kHz

VBW 2 MHz

SWF 20 ns

Marker 1 [T1]

8.07 dBm

5.280960000 GHz

1 S

VBW

10

-10

-20

-30

-40

-50

-60

-70

-80

20

10

0

-10

-20

-30

-40

-50

-60

-70

-80

30

20

10

0

-10

-20

-30

-40

-50

-60

-70

-80

1

2

5.280000000 MHz

Temp 1 [T1] 0dBV

-4.29 dBm

5.270840000 GHz

Temp 2 [T1] 0dBV

-4.28 dBm

5.289040000 GHz

30

20

10

0

-10

-20

-30

-40

-50

-60

-70

-80

Center 5.28 GHz

4 MHz

Span 40 MHz

Date: 17. JUL. 2026 09:33:16

11AC20SISO_Ant1_5320

Ref 20 dBm

Offset 20.7 dB

Att 20 dB

RBW 500 kHz

VBW 2 MHz

SWF 20 ns

Marker 1 [T1]

9.08 dBm

5.319960000 GHz

1 S

VBW

10

-10

-20

-30

-40

-50

-60

-70

-80

20

10

0

-10

-20

-30

-40

-50

-60

-70

-80

30

20

10

0

-10

-20

-30

-40

-50

-60

-70

-80

1

2

5.360000000 MHz

Temp 1 [T1] 0dBV

-2.45 dBm

5.310760000 GHz

Temp 2 [T1] 0dBV

-4.28 dBm

5.329120000 GHz

30

20

10

0

-10

-20

-30

-40

-50

-60

-70

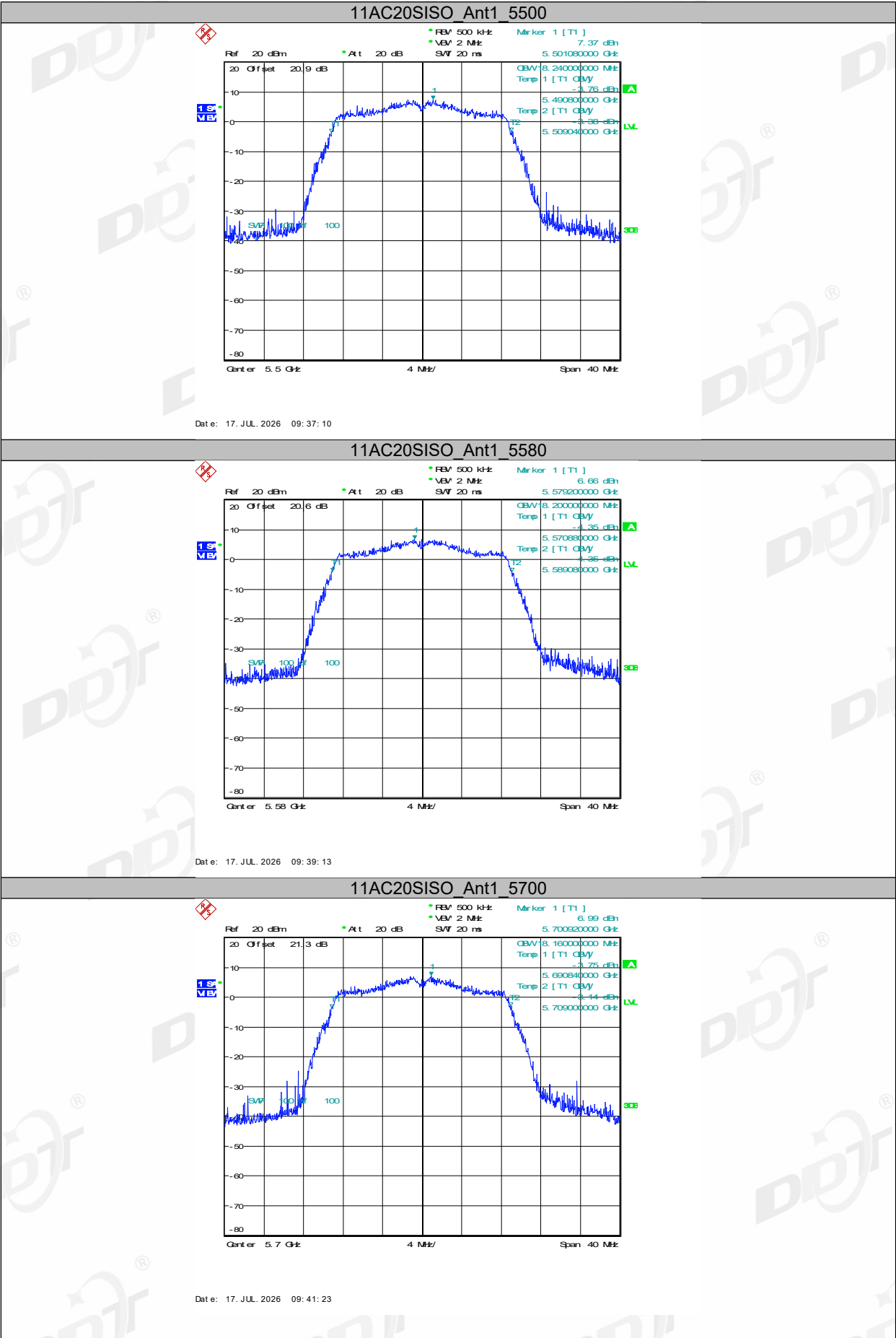
-80

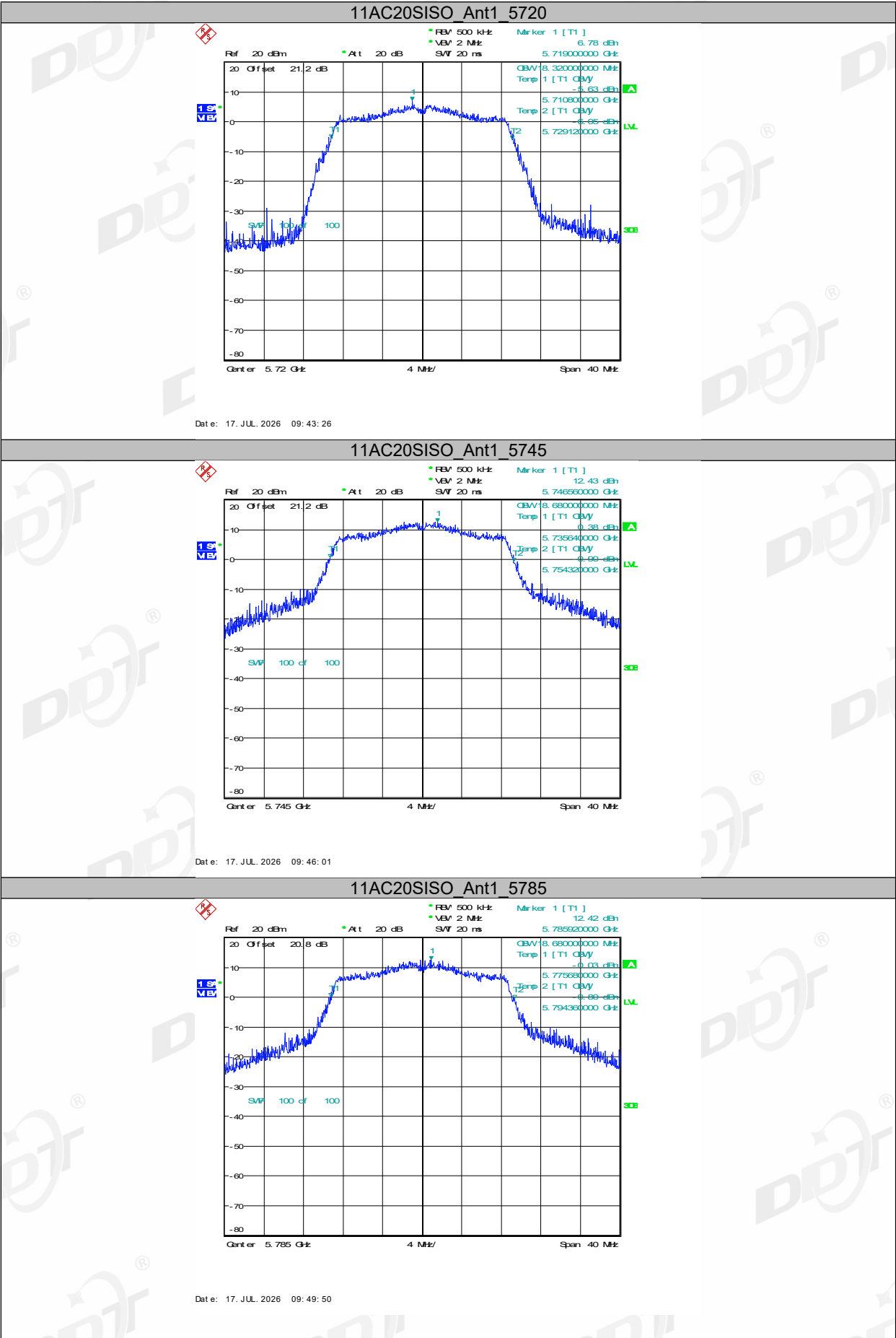
Center 5.32 GHz

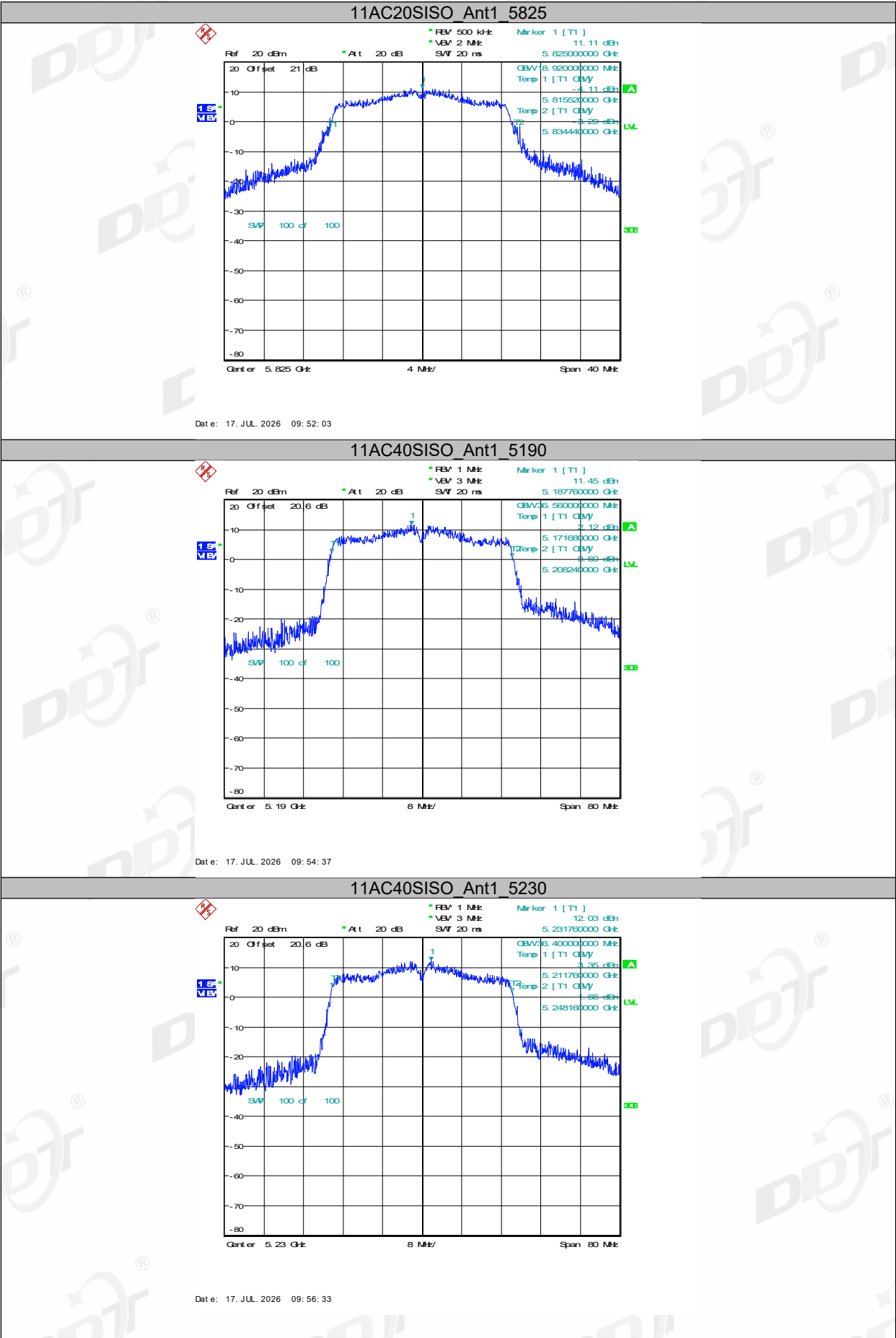
4 MHz

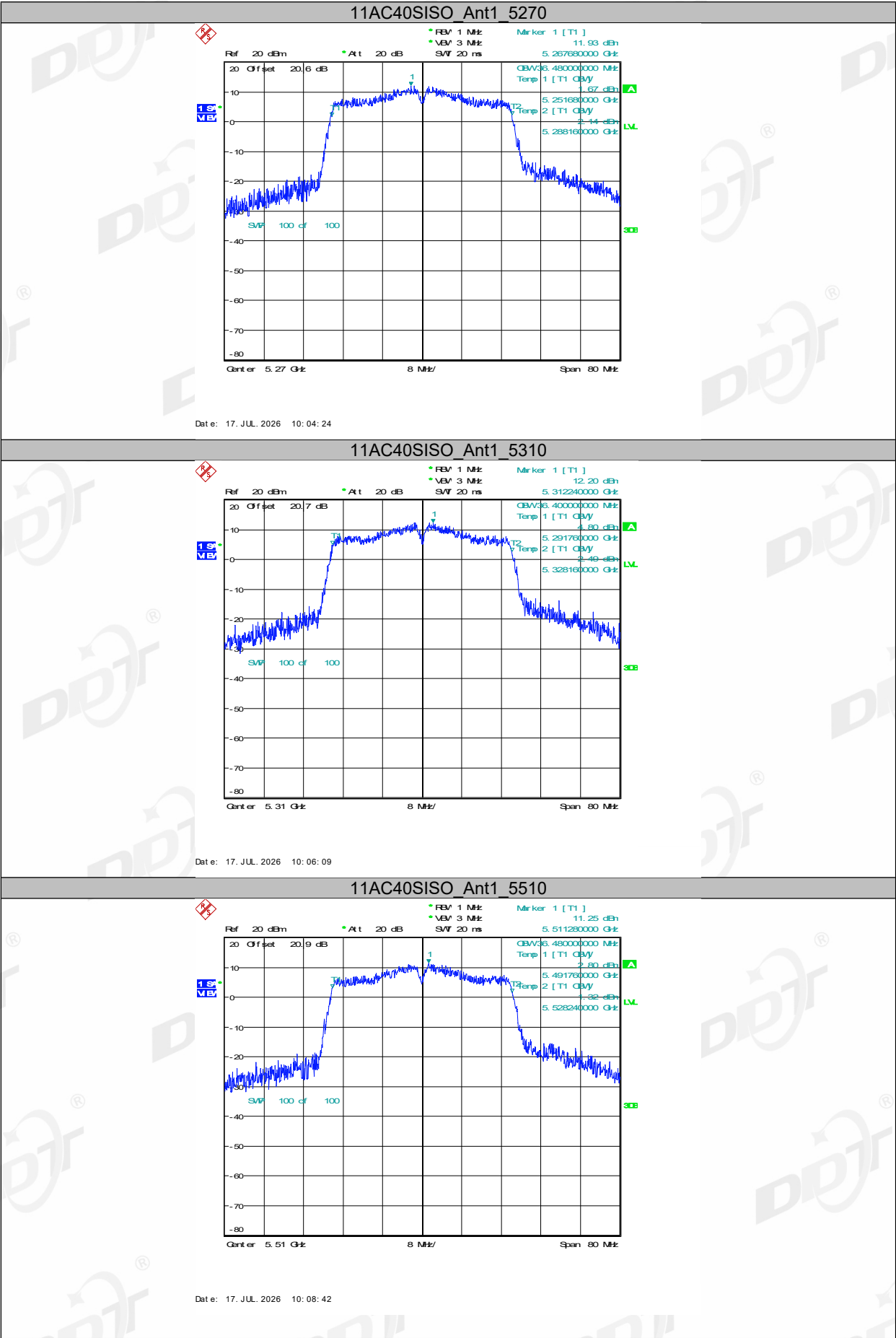
Span 40 MHz

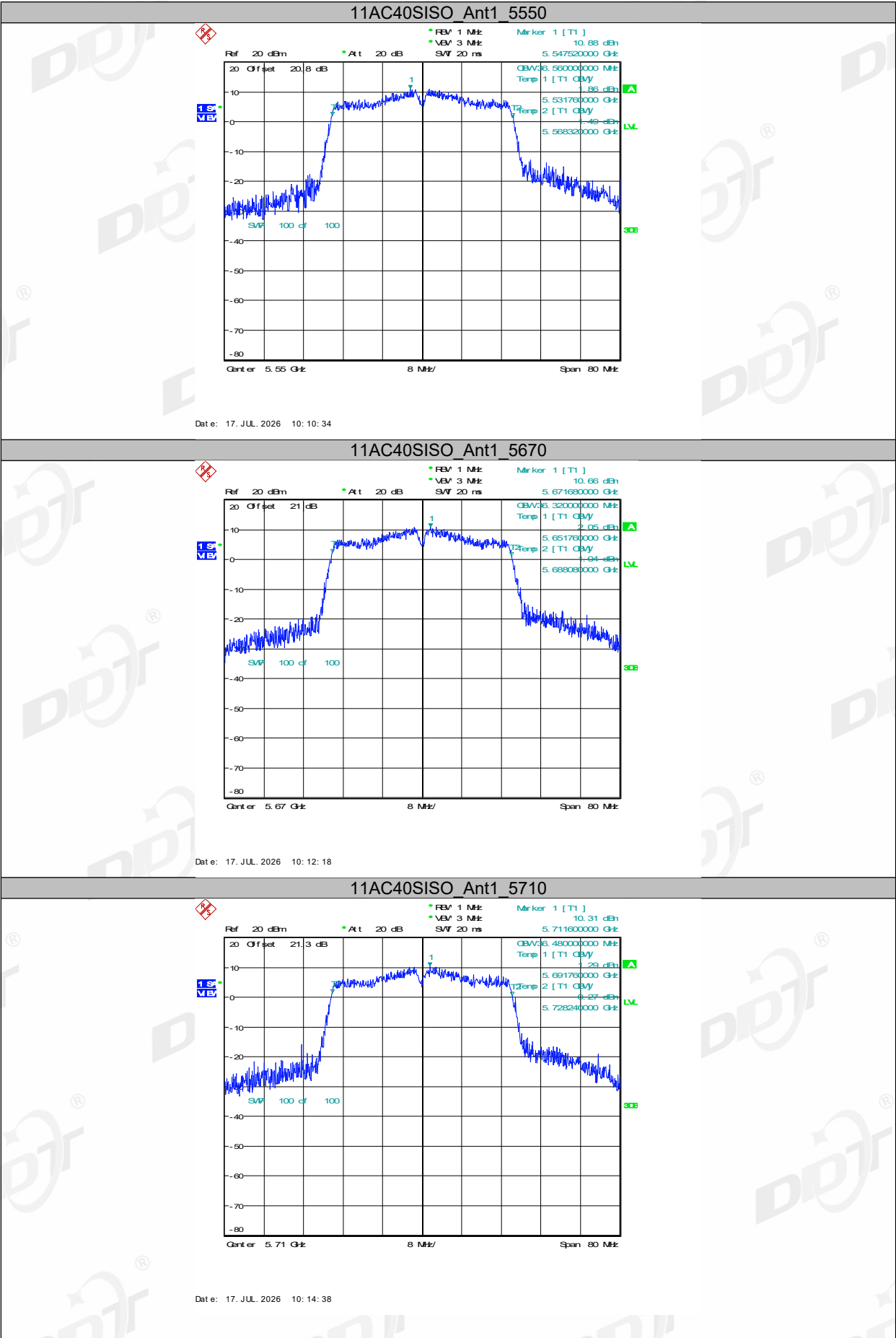
Date: 17. JUL. 2026 09:35:23

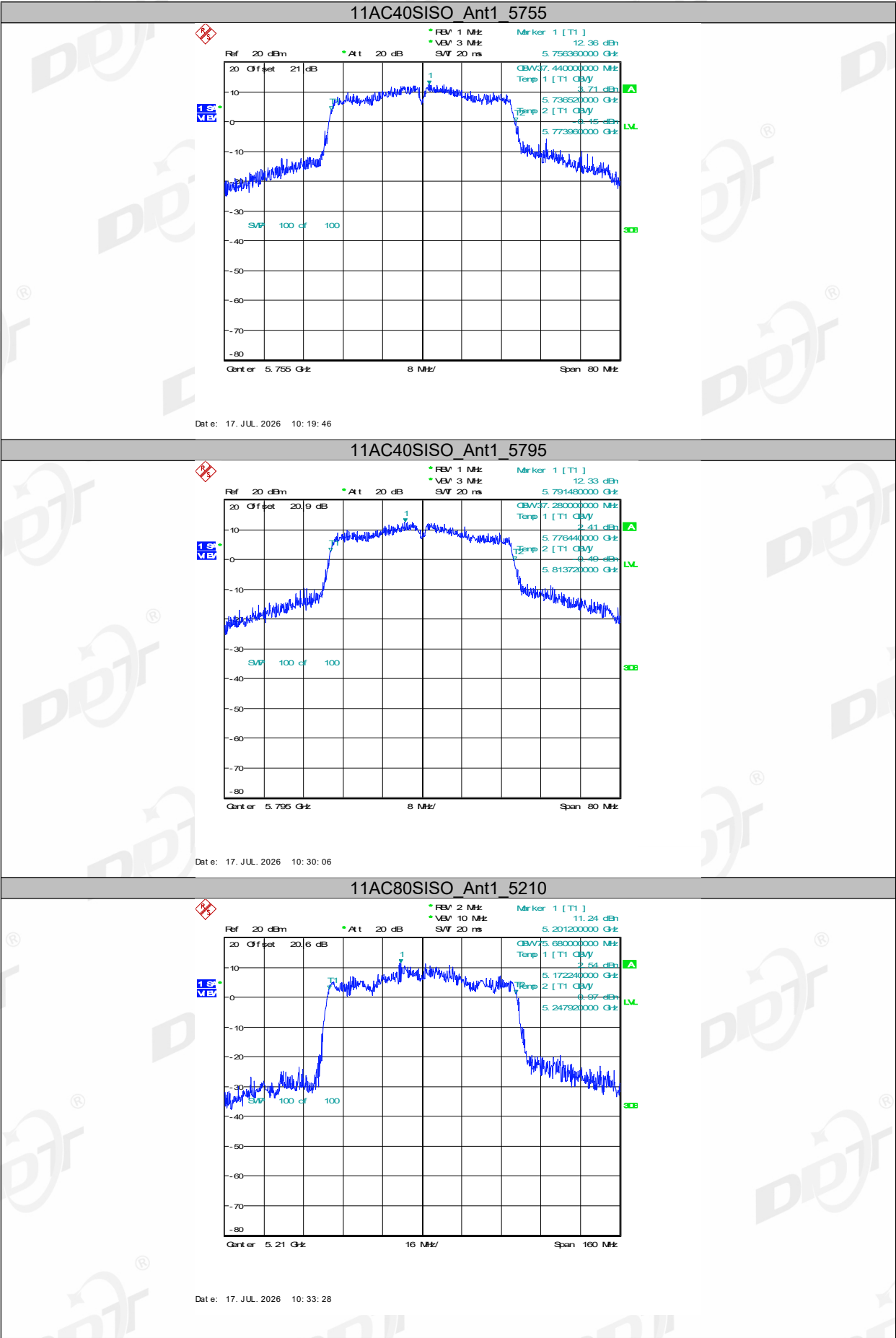


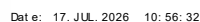
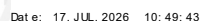
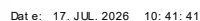


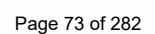






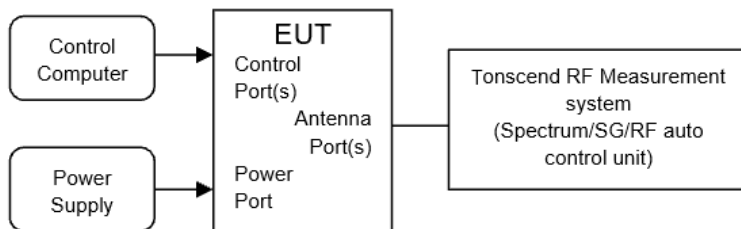






7. Duty Cycle

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:
Duty cycle= Pulse's on time / Burst cycle

7.4. Test result

Test Engineer:	Zora Zhang	Test Site:	RF Measurement System 1#
Ambient Condition:	27.7-28.6℃,40.1-45.2%RH	Test Date:	2026.7.16-2026.7.17
Test Power Supply:	AC 120V	Sample Number:	S26061007-005

Test Mode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	1.40	1.45	96.55
		5200	1.41	1.45	97.24
		5240	1.40	1.45	96.55
		5260	1.41	1.45	97.24
		5280	1.40	1.44	97.22
		5320	1.41	1.45	97.24
		5500	1.40	1.45	96.55
		5580	1.40	1.44	97.22
		5700	1.40	1.45	96.55
		5720	1.40	1.45	96.55
		5745	1.41	1.45	97.24
		5785	1.40	1.44	97.22
		5825	1.41	1.45	97.24
11N20SISO	Ant1	5180	1.31	1.35	97.04
		5200	1.32	1.36	97.06
		5240	1.32	1.36	97.06
		5260	1.32	1.36	97.06
		5280	1.31	1.36	96.32
		5320	1.32	1.36	97.06
		5500	1.31	1.36	96.32
		5580	1.31	1.36	96.32
		5700	1.32	1.36	97.06
		5720	1.32	1.36	97.06

		5745	1.31	1.36	96.32
		5785	1.31	1.35	97.04
		5825	1.32	1.36	97.06
11N40SISO	Ant1	5190	0.65	0.69	94.20
		5230	0.65	0.70	92.86
		5270	0.65	0.69	94.20
		5310	0.65	0.69	94.20
		5510	0.65	0.70	92.86
		5550	0.65	0.70	92.86
		5670	0.65	0.69	94.20
		5710	0.65	0.69	94.20
		5755	0.65	0.69	94.20
		5795	0.65	0.70	92.86
11AC20SISO	Ant1	5180	1.32	1.37	96.35
		5200	1.33	1.37	97.08
		5240	1.33	1.37	97.08
		5260	1.32	1.37	96.35
		5280	1.32	1.37	96.35
		5320	1.32	1.37	96.35
		5500	1.32	1.37	96.35
		5580	1.33	1.37	97.08
		5700	1.32	1.36	97.06
		5720	1.33	1.37	97.08
		5745	1.32	1.37	96.35
		5785	1.32	1.37	96.35
		5825	1.33	1.37	97.08
11AC40SISO	Ant1	5190	0.66	0.71	92.96
		5230	0.66	0.70	94.29
		5270	0.66	0.71	92.96
		5310	0.66	0.70	94.29

		5510	0.66	0.71	92.96
		5550	0.66	0.70	94.29
		5670	0.66	0.70	94.29
		5710	0.66	0.71	92.96
		5755	0.66	0.70	94.29
		5795	0.66	0.71	92.96
11AC80SISO	Ant1	5210	0.06	0.11	54.55
		5290	0.06	0.11	54.55
		5530	0.07	0.11	63.64
		5610	0.07	0.11	63.64
		5690	0.33	0.37	89.19
		5775	0.33	0.37	89.19

7.5. Test graphs





