



RADIO TEST REPORT

Applicant	:	STONEX SRL
Address of Applicant	:	via dei Mille 4, 20900 Monza-MB, Italy
Manufacturer	:	STONEX SRL
Address of Manufacturer	:	via dei Mille 4, 20900 Monza-MB, Italy
Equipment under Test	:	LASER SCANNER
Model No.	:	X170GO
FCC ID	:	Y44-X170GO
Test Standard(s)	:	FCC Rules and Regulations Part 15 Subpart C, 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
Report No.	:	DDT-RE26031615-2E02
Issue Date	:	2026/05/19
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

Table of Contents

1.	Summary of Test Results	7
2.	General Test Information.....	8
2.1.	Description of EUT	8
2.2.	Accessories of EUT	8
2.3.	Block diagram of EUT configuration for test.....	9
2.4.	Decision of final test mode	9
2.5.	Deviations of test standard	10
2.6.	Test environment conditions	10
2.7.	Test laboratory	10
2.8.	Measurement uncertainty	11
3.	Equipment Used During Conductive Test	12
4.	6dB Bandwidth	13
4.1.	Block diagram of test setup	13
4.2.	Limits	13
4.3.	Test procedure	13
4.4.	Test result.....	14
4.5.	Test graphs	15
5.	99% Bandwidth	21
5.1.	Block diagram of test setup	21
5.2.	Limits	21
5.3.	Test procedure	21
5.4.	Test result.....	22
5.5.	Test graphs	23
6.	Conducted Output Power	29
6.1.	Block diagram of test setup	29
6.2.	Limits	29
6.3.	Test procedure	29
6.4.	Test result average.....	30
7.	Power Spectral Density	31
7.1.	Block diagram of test setup	31
7.2.	Limits	31
7.3.	Test procedure	31
7.4.	Test result.....	32
7.5.	Test graphs	33
8.	Band Edge Compliance (Conducted Method)	39
8.1.	Block diagram of test setup	39

8.2.	Limits	39
8.3.	Test procedure	39
8.4.	Test result.....	40
8.5.	Test graphs	41
9.	RF Conducted Spurious Emissions.....	45
9.1.	Block diagram of test setup	45
9.2.	Limits	45
9.3.	Test procedure	45
9.4.	Test result.....	46
9.5.	Test graphs	47
10.	Duty Cycle	65
10.1.	Block diagram of test setup	65
10.2.	Limit.....	65
10.3.	Test procedure	65
10.4.	Test result.....	66
10.5.	Test graphs	67
11.	Antenna Requirements.....	73
11.1.	Limit.....	73
11.2.	Result	73
12.	Radiated Emission	74
12.1.	Test equipment.....	74
12.2.	Block diagram of test setup	75
12.3.	Limits	76
12.4.	Assistant equipment used for test	77
12.5.	Test procedure	77
12.6.	Test result.....	79
12.7.	Test data	80
13.	Band Edge Compliance.....	88
13.1.	Test equipment.....	88
13.2.	Block diagram of test setup	89
13.3.	Limits	89
13.4.	Assistant equipment used for test	89
13.5.	Test procedure	89
13.6.	Test result.....	89
13.7.	Test data	90
14.	Power Line Conducted Emissions.....	114
14.1.	Test equipment.....	114
14.2.	Block diagram of test setup	114

14.3. Limits114

14.4. Assistant equipment used for test114

14.5. Test procedure115

14.6. Test result.....115

14.7. Test data116

15. Test Setup Photograph120

16. Photos of the EUT122

Test Report Declare

Applicant	:	STONEX SRL
Address of Applicant	:	via dei Mille 4, 20900 Monza-MB, Italy
Equipment under Test	:	LASER SCANNER
Model No.	:	X170GO
Manufacturer	:	STONEX SRL
Address of Manufacturer	:	via dei Mille 4, 20900 Monza-MB, Italy

Test Standard Used:

FCC Rules and Regulations Part 15 Subpart C,
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

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-RE26031615-2E02		
Date of Receipt:	2026/03/22	Date of Test:	2026/03/26 - 2026/04/29

Created: Jacky Huang	Reviewed: Johnson Huang	Approved: Damon Hu
		
2026/04/29	2026/05/19	2026/05/19

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	2026/05/19	Damon Hu

1. Summary of Test Results

No.	Test Parameter	Clause No.	Condition	Result
1	6 dB Bandwidth and 99% Bandwidth	47 CFR Part 15 15.247(a)(2)	/	Pass
2	Peak Output Power	47 CFR Part 15 15.247(b)(3)	/	Pass
3	Power Spectral Density	47 CFR Part 15 15.247(e)	/	Pass
4	RF Conducted Spurious Emissions	47 CFR Part 15 15.247(d)	/	Pass
5	Radiated Emission	47 CFR Part 15 15.205, 47 CFR Part 15 15.209, 47 CFR Part 15 15.247(d)	/	Pass
6	Band Edge Compliance	47 CFR Part 15 15.205, 47 CFR Part 15 15.209, 47 CFR Part 15 15.247(d)	/	Pass
7	Antenna Requirement	47 CFR Part 15 15.203, RSS- Gen clause 6.8	/	Pass
8	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	: LASER SCANNER
Model Number	: X170GO
EUT Function Description	: Please reference user manual of this device
Power Supply	: PD 30W by an external adapter for charging or a built-in 10.8V lithium battery
Antenna Type	: FPC antenna
Max Antenna Gain(dBi)	: 1.64

Radio Technology	: IEEE 802.11b/g/n/ax
Operation frequency	: IEEE 802.11b: 2412MHz to 2462MHz IEEE 802.11g: 2412MHz to 2462MHz IEEE 802.11n HT20: 2412MHz to 2462MHz IEEE 802.11n HT40: 2422MHz to 2452MHz IEEE 802.11ax HE20: 2412MHz to 2462MHz IEEE 802.11ax HE40: 2422MHz to 2452MHz
Modulation	: IEEE 802.11b: DSSS (CCK, DQPSK, DBPSK) IEEE 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ax: OFDM, OFDMA (1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK)

Channel information					
CH	Frequency (MHz)	CH	Frequency (MHz)	CH	Frequency (MHz)
1	2412	5	2432	9	2452
2	2417	6	2437	10	2457
3	2422	7	2442	11	2462
4	2427	8	2447	/	/

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
Adapter	/	RH-PD65W	Input: 100-240V~ 50/60Hz Output: DC 5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/3.25A
Type-C cable	/	/	Length: 0.50m, Unshielded

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: 0.5dB (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 802.11b	17	1	LCH: CH1	2412
		1	MCH: CH6	2437
		1	HCH: CH11	2462
IEEE 802.11g	12	6	LCH: CH1	2412
		6	MCH: CH6	2437
		6	HCH: CH11	2462
IEEE 802.11n HT20	12	MCS 0	LCH: CH1	2412
		MCS 0	MCH: CH6	2437
		MCS 0	HCH: CH11	2462
IEEE 802.11n HT40	9	MCS 0	LCH: CH3	2422
		MCS 0	MCH: CH6	2437
		MCS 0	HCH: CH9	2452
IEEE 802.11ax HE20	12	MCS 0	LCH: CH1	2412
		MCS 0	MCH: CH6	2437
		MCS 0	HCH: CH11	2462
IEEE 802.11ax HE40	8	MCS 0	LCH: CH3	2422
		MCS 0	MCH: CH6	2437
		MCS 0	HCH: CH9	2452
Note 1: According exploratory test, EUT will have maximum output power in those data rate, so those data rate were used for all test.				
Note 2: EUT does not support RU				

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

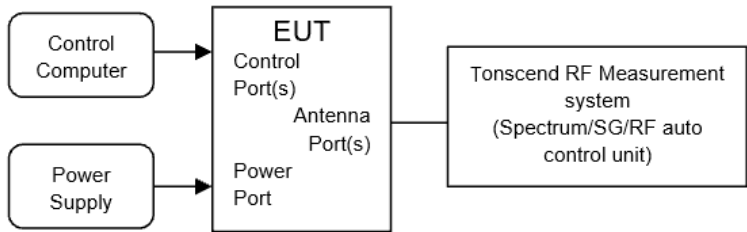
Test Item	Uncertainty
Bandwidth	1.9%
Peak Output Power (Conducted) (Spectrum analyzer)	0.98 dB
Peak Output Power (Conducted) (Power Sensor)	1.18 dB
Power Spectral Density (Base EIRP)	1.51 dB
Power Spectral Density (Spectrum analyzer)	0.98 dB
Frequencies Stability	1.9 kHz
Conducted spurious emissions	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	2027/02/28	1 Year
Wideband Radio Communication Tester	R&S	CMW500	117491	2027/02/28	1 Year
MXG Vector Signal Generator	KEYSIGHT	N5182B	MY59100192	2027/02/28	1 Year
MXG Vector Signal Generator	Agilent	N5182A	MY19060405	2027/02/28	1 Year
RF Control Unit	Tonscend	JS0806-2	158060010	2027/02/28	1 Year
TEMP&HUMI Programmable Chamber	ZHIXIANG	ZXGDJS-150L	ZX170110-A	2026/08/12	1 Year
Test Software	Tonscend	JS1120-3	V3.6.21	N/A	N/A

4. 6dB Bandwidth

4.1. Block diagram of test setup



4.2. Limits

For direct sequence systems, the minimum 6 dB bandwidth shall be at least 500 kHz

4.3. Test procedure

- (1) The test according to ANSI C63.10 clause 11.8.
- (2) Connect EUT’s antenna output to spectrum analyzer by RF cable, the path loss was compensated to the results
- (3) Set the EUT as maximum power setting and enable the EUT transmit continuously
- (4) Use the following spectrum analyzer settings for 6 dB Bandwidth:

RBW:	100 kHz
VBW:	≥ [3 × RBW]
Detector Mode:	peak
Sweep time:	auto
Trace mode	max hold

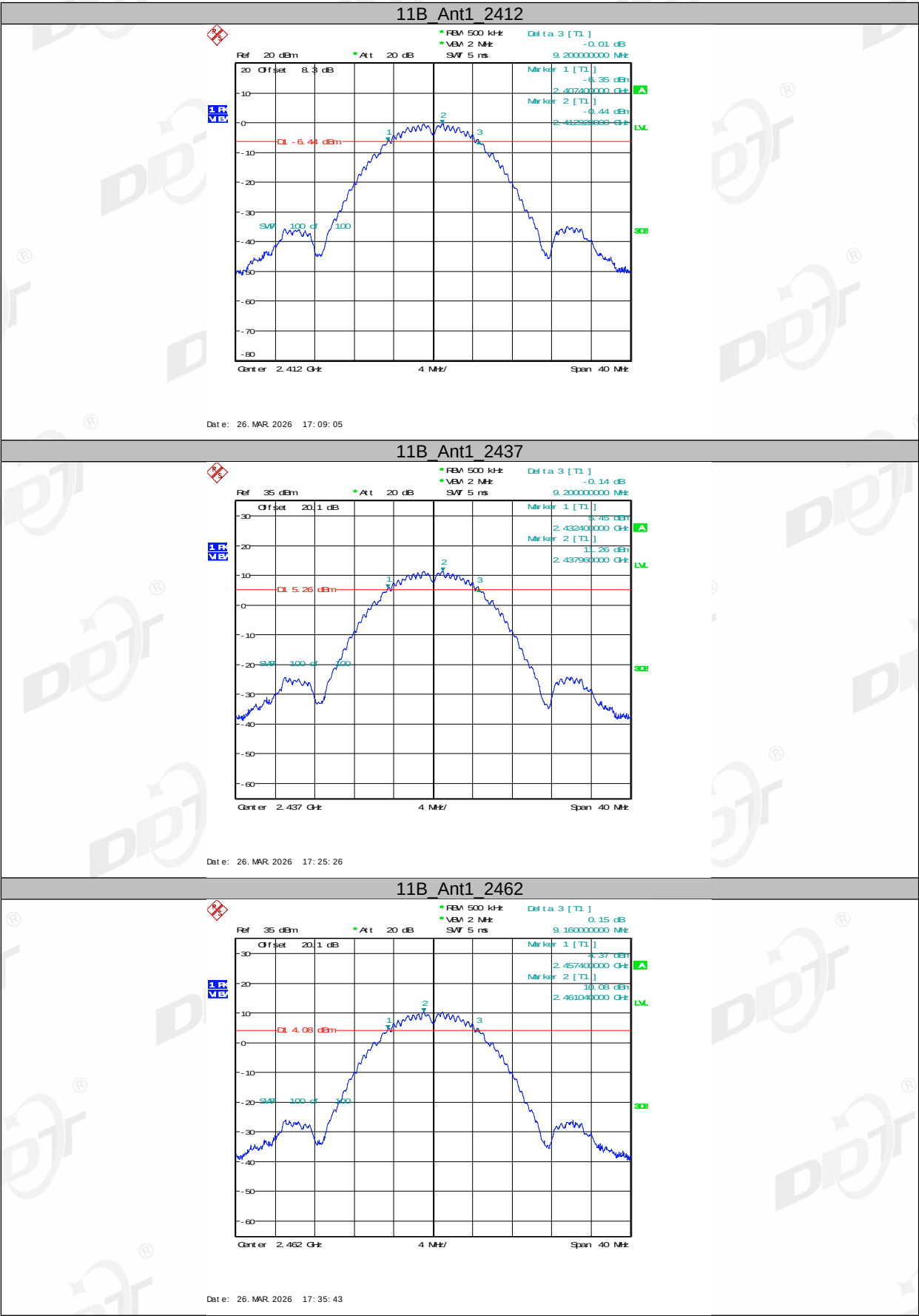
- (5) Allow the trace to stabilize, measure the 6 dB bandwidth of signal, and record the results in the report.

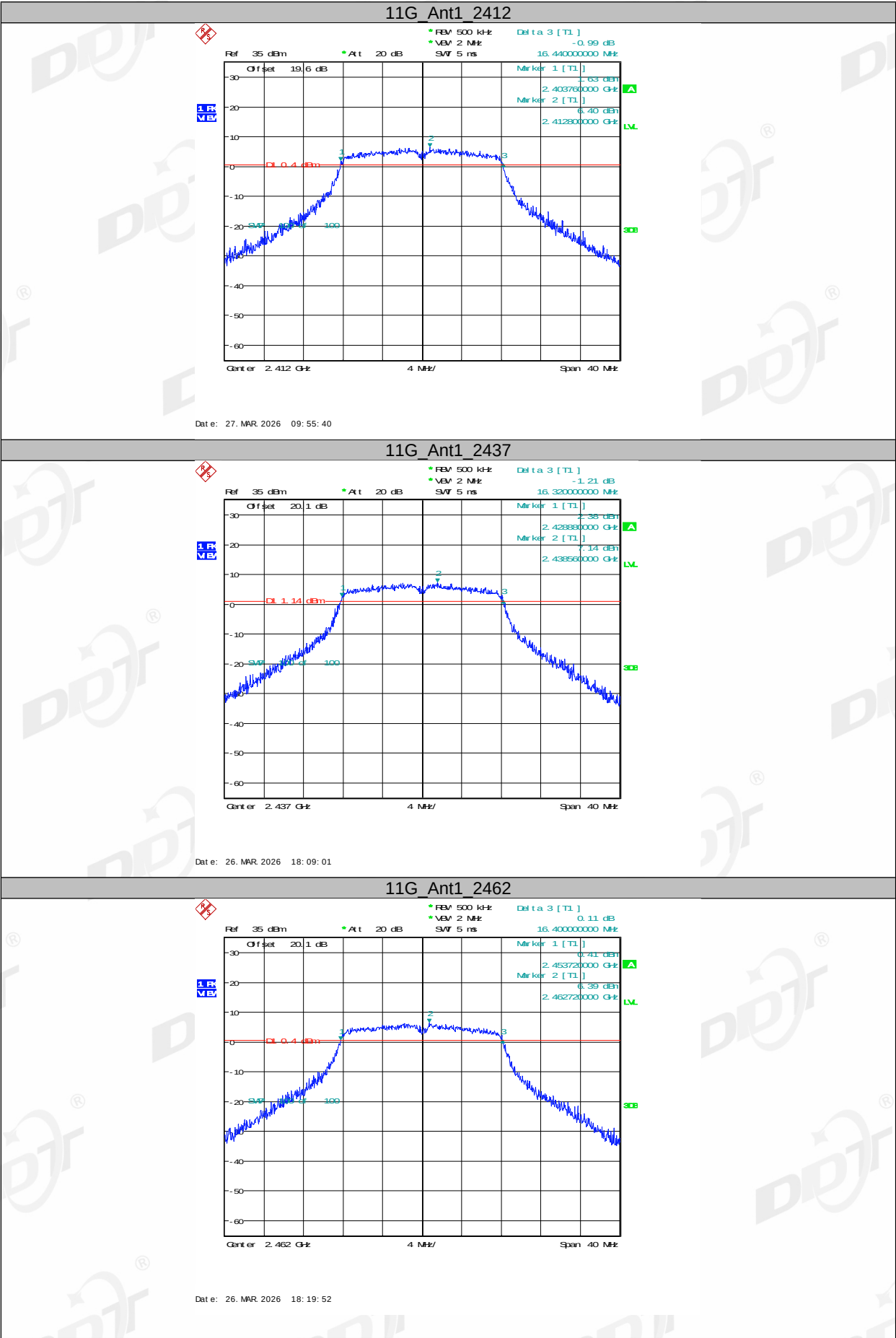
4.4. Test result

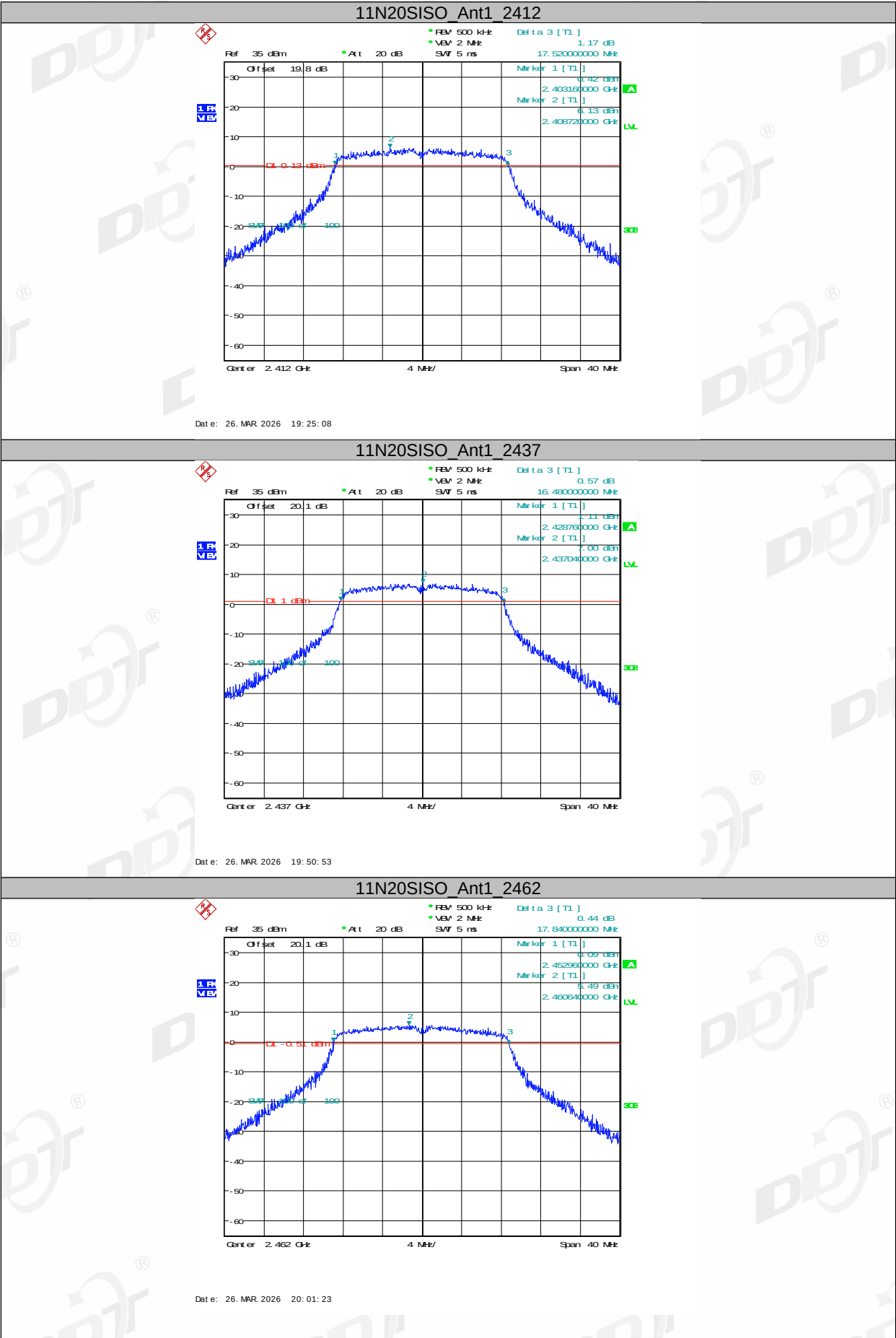
Test Engineer:	Tyang	Test Site:	RF Measurement System 1#
Ambient Condition:	24.4℃,44.4%RH	Test Date:	2026.03.26-2026.04.07
Test Power Supply:	Battery	Sample Number:	S26031615-001

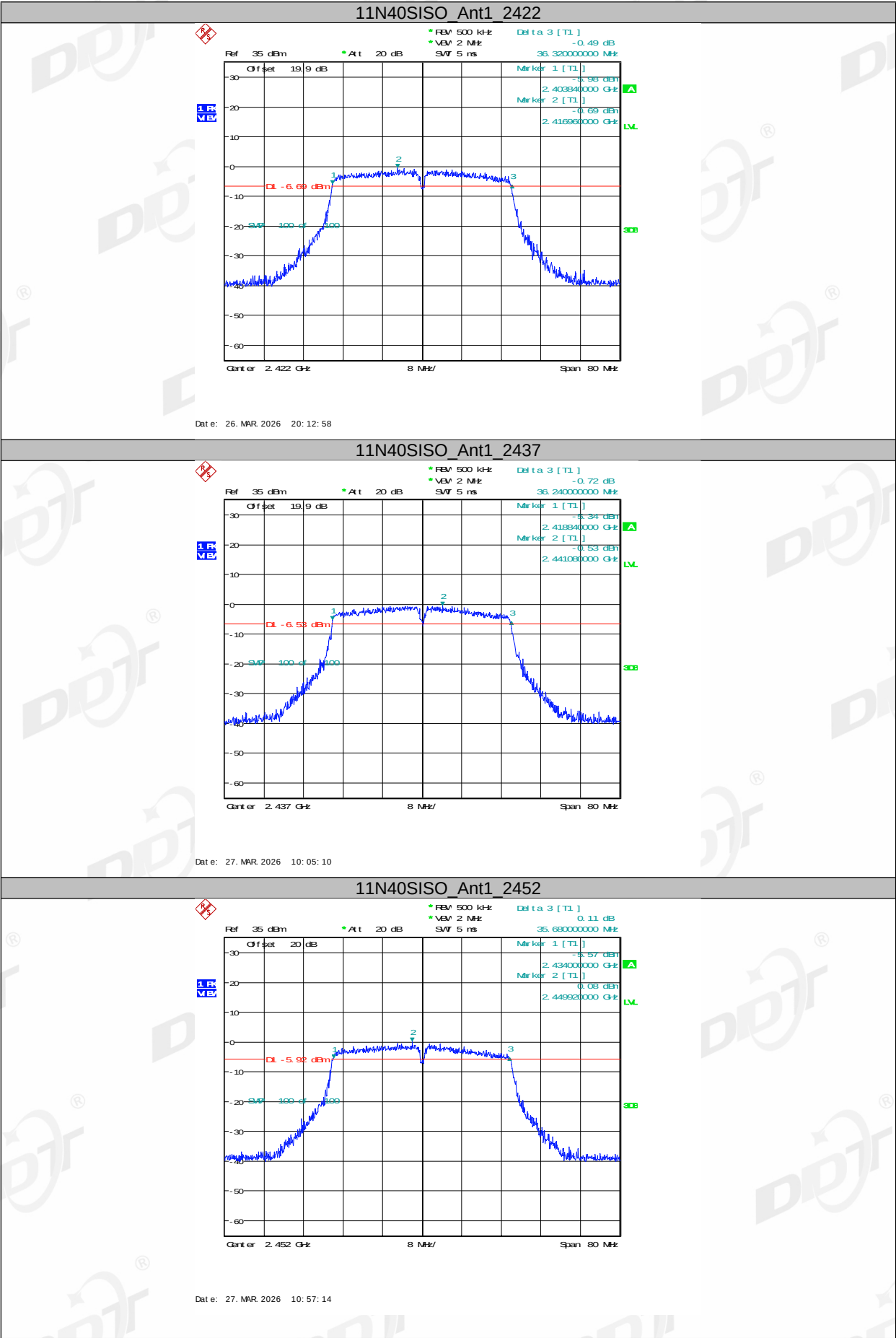
Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11B	Ant1	2412	9.20	2407.40	2416.60	0.5	PASS
		2437	9.20	2432.40	2441.60	0.5	PASS
		2462	9.16	2457.40	2466.56	0.5	PASS
11G	Ant1	2412	16.44	2403.76	2420.20	0.5	PASS
		2437	16.32	2428.88	2445.20	0.5	PASS
		2462	16.40	2453.72	2470.12	0.5	PASS
11N20SISO	Ant1	2412	17.52	2403.16	2420.68	0.5	PASS
		2437	16.48	2428.76	2445.24	0.5	PASS
		2462	17.84	2452.96	2470.80	0.5	PASS
11N40SISO	Ant1	2422	36.32	2403.84	2440.16	0.5	PASS
		2437	36.24	2418.84	2455.08	0.5	PASS
		2452	35.68	2434.00	2469.68	0.5	PASS
11AX20SISO	Ant1	2412	18.80	2402.48	2421.28	0.5	PASS
		2437	18.84	2427.52	2446.36	0.5	PASS
		2462	18.92	2452.56	2471.48	0.5	PASS
11AX40SISO	Ant1	2422	37.52	2403.20	2440.72	0.5	PASS
		2437	37.28	2418.12	2455.40	0.5	PASS
		2452	37.60	2433.04	2470.64	0.5	PASS

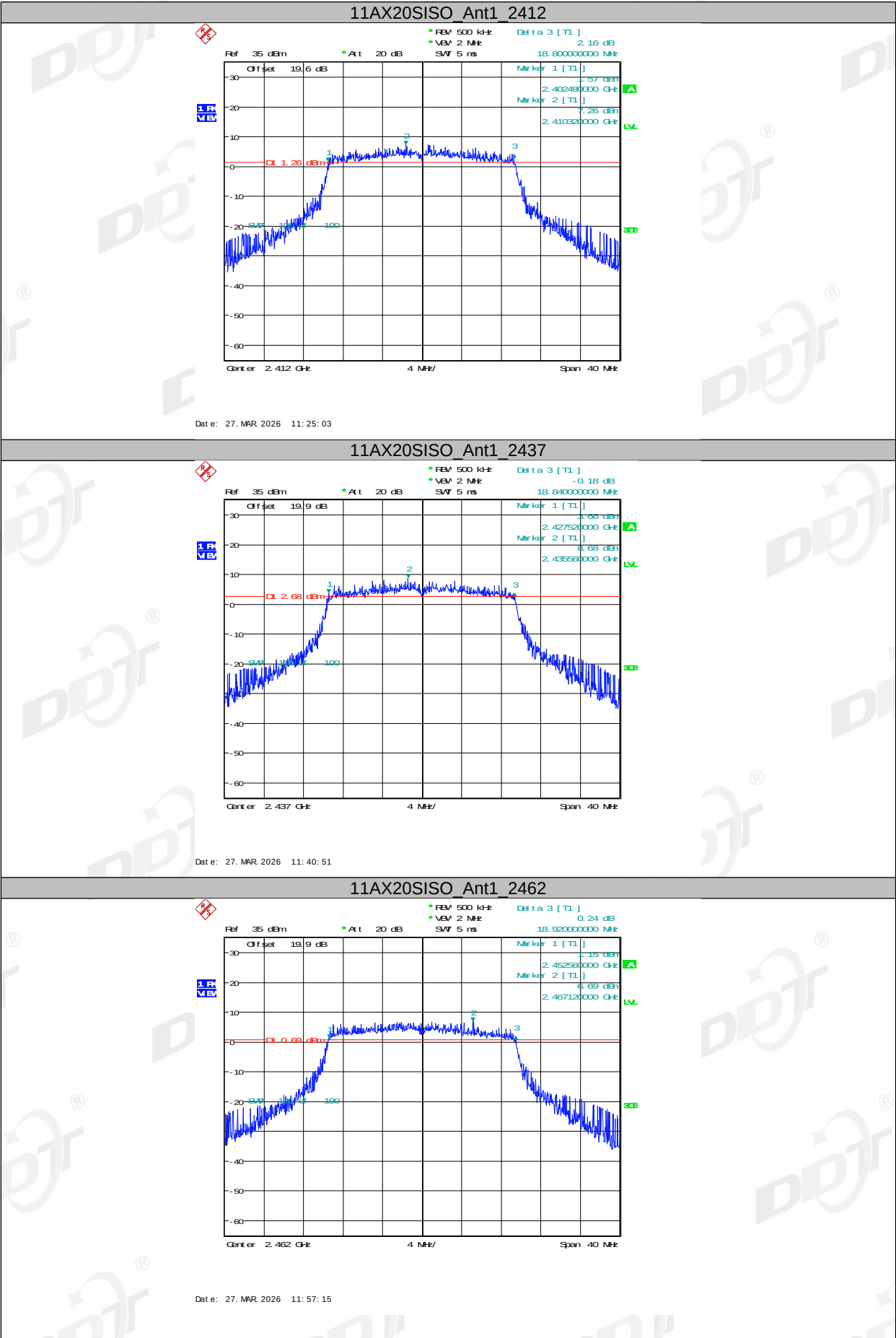
4.5. Test graphs

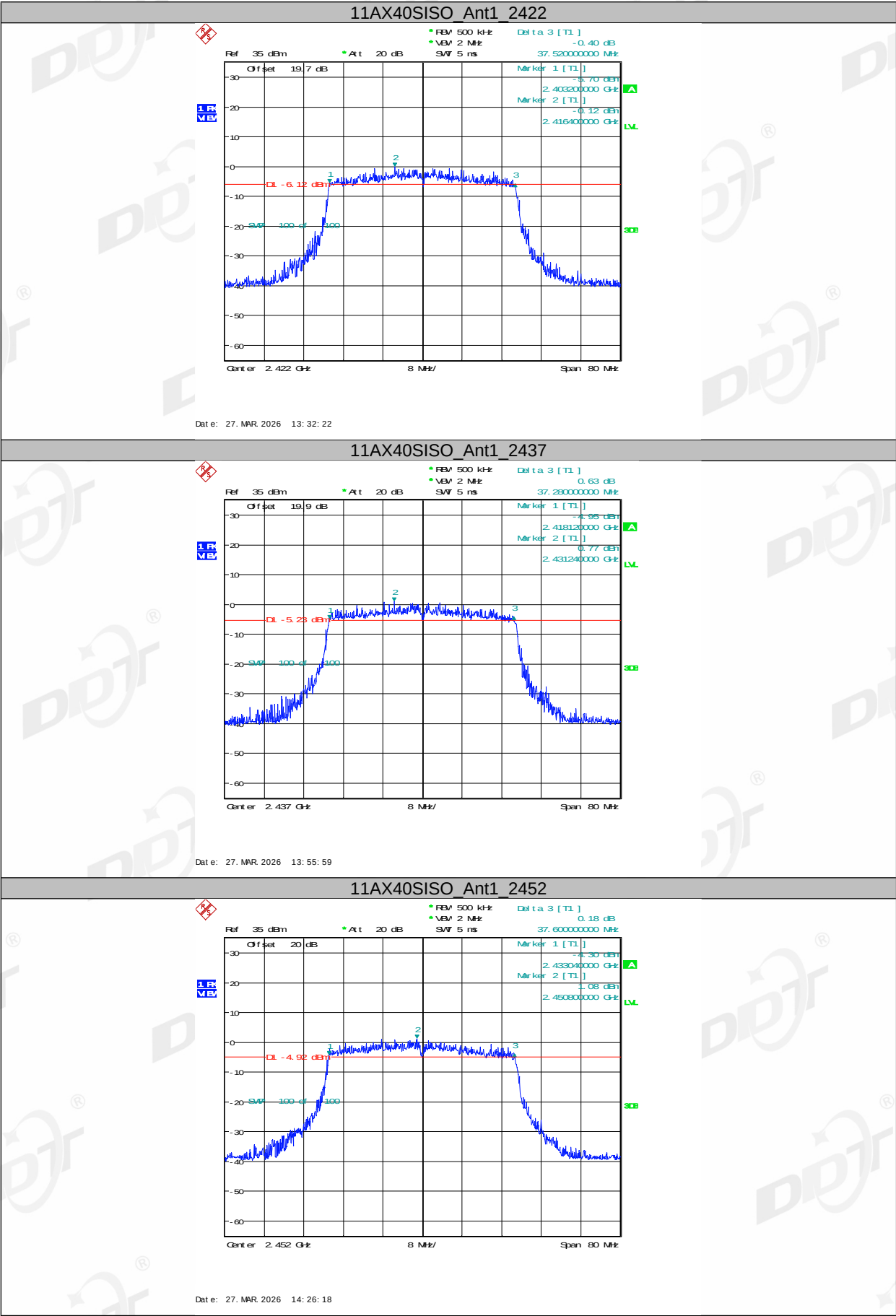






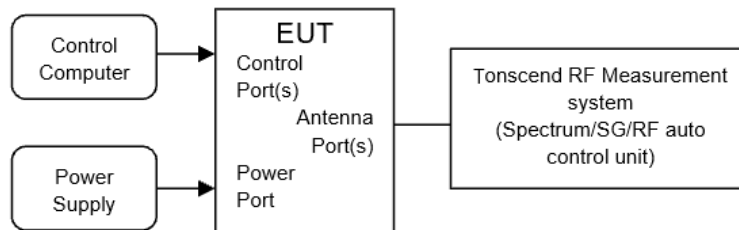






5. 99% Bandwidth

5.1. Block diagram of test setup



5.2. Limits

Just for Report.

5.3. Test procedure

- (1) The test according to ANSI C63.10 clause 6.9.3.
- (2) Connect EUT's antenna output to spectrum analyzer by RF cable, the path loss was compensated to the results
- (3) Set the EUT as maximum power setting and enable the EUT transmit continuously
- (4) Use the following spectrum analyzer settings for the 99% Bandwidth:

RBW: 1% to 5% of the OBW

VBW: approximately three times RBW

Span: between 1.5 times and 5.0 times the OBW

Detector Mode: peak

Sweep time: auto

Trace mode: max hold

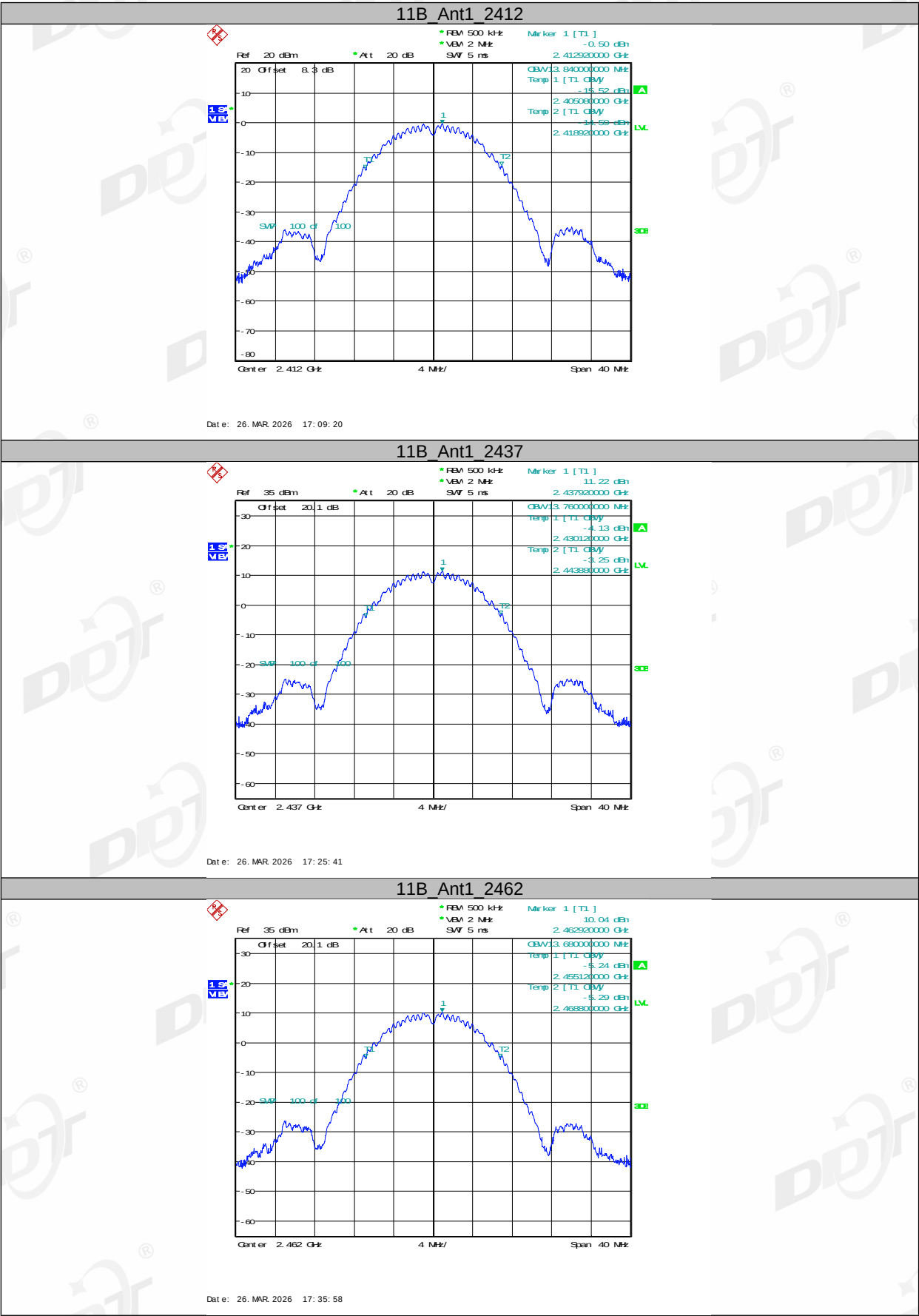
- (5) Allow the trace to stabilize, measure the 99% bandwidth of signal, and record the results in the report.

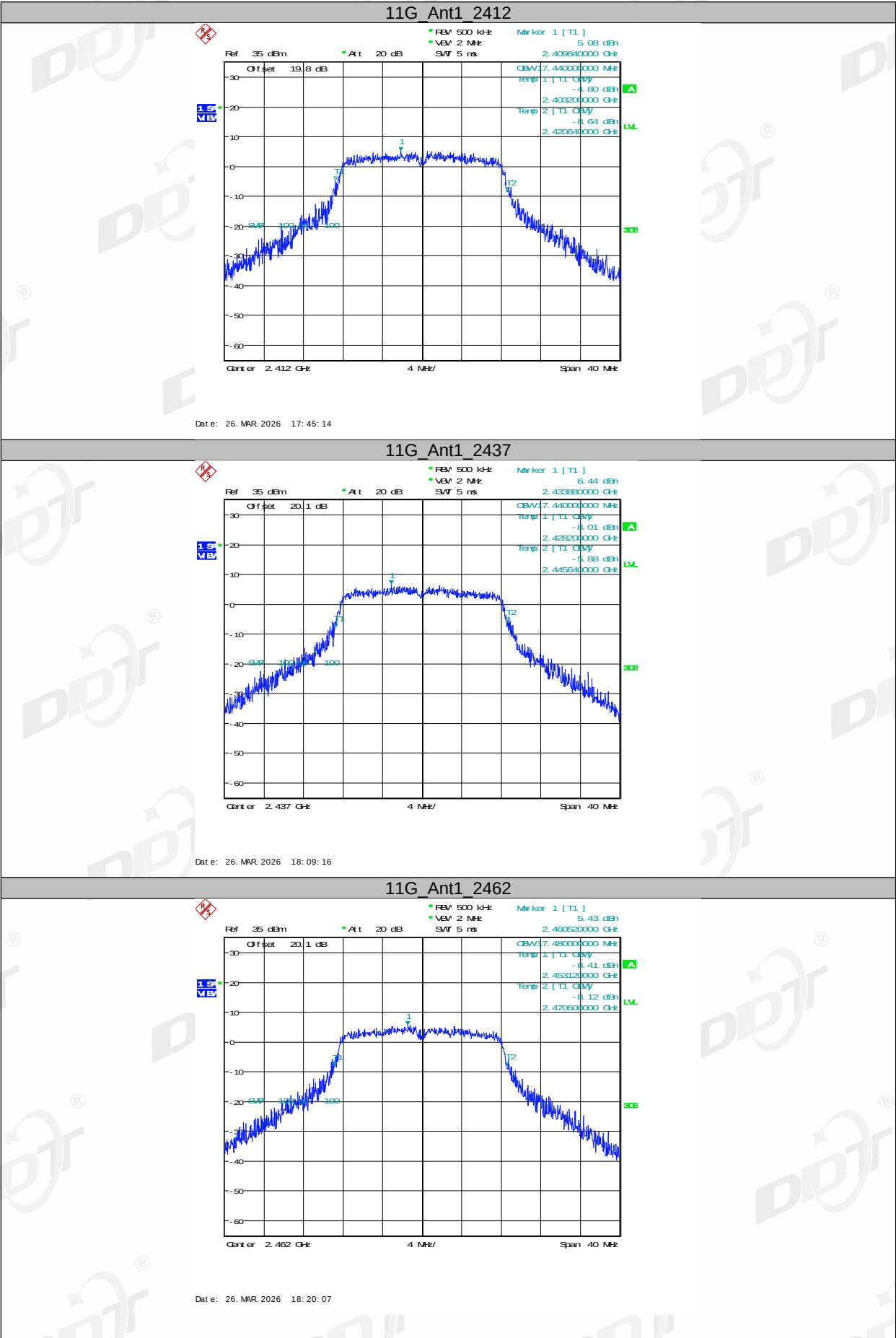
5.4. Test result

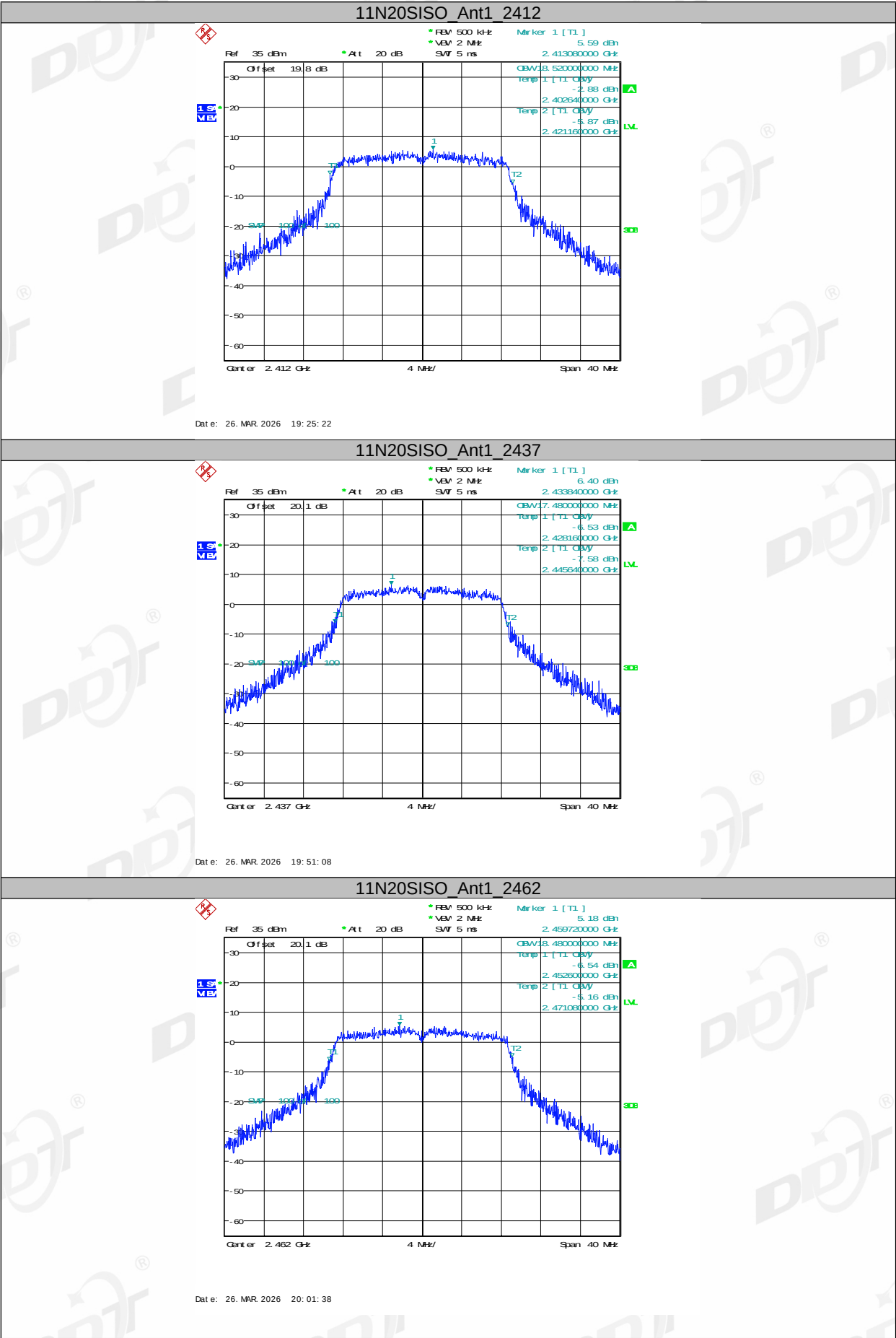
Test Engineer:	Tyang	Test Site:	RF Measurement System 1#
Ambient Condition:	24.4℃,44.4%RH	Test Date:	2026.03.26-2026.04.07
Test Power Supply:	Battery	Sample Number:	S26031615-001

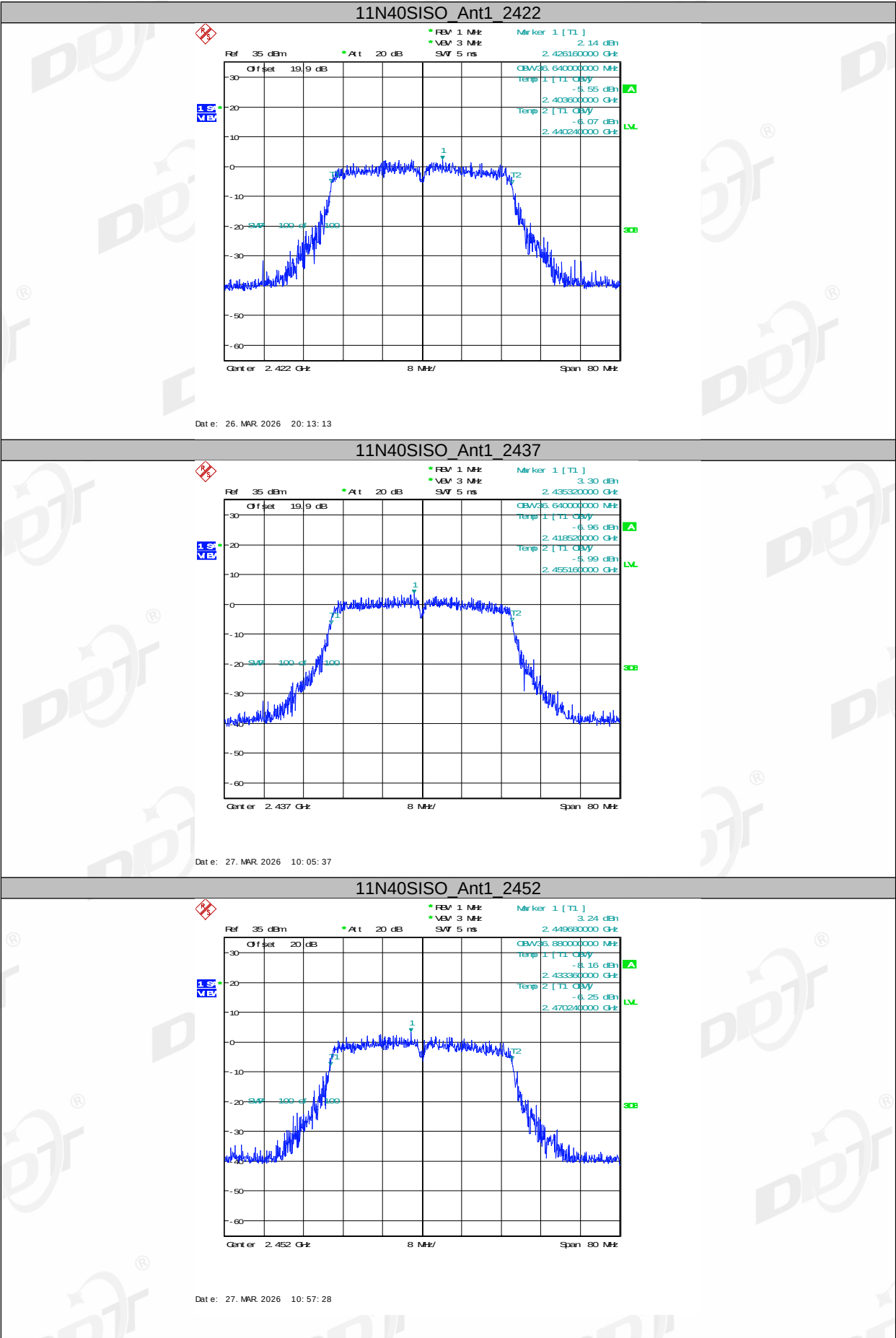
Test Mode	Antenna	Channel Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11B	Ant1	2412	13.840	2405.0800	2418.9200	---	---
		2437	13.760	2430.1200	2443.8800	---	---
		2462	13.680	2455.1200	2468.8000	---	---
11G	Ant1	2412	17.440	2403.2000	2420.6400	---	---
		2437	17.440	2428.2000	2445.6400	---	---
		2462	17.480	2453.1200	2470.6000	---	---
11N20SISO	Ant1	2412	18.520	2402.6400	2421.1600	---	---
		2437	17.480	2428.1600	2445.6400	---	---
		2462	18.480	2452.6000	2471.0800	---	---
11N40SISO	Ant1	2422	36.640	2403.6000	2440.2400	---	---
		2437	36.640	2418.5200	2455.1600	---	---
		2452	36.880	2433.3600	2470.2400	---	---
11AX20SISO	Ant1	2412	19.360	2402.3200	2421.6800	---	---
		2437	19.200	2427.3600	2446.5600	---	---
		2462	19.240	2452.2400	2471.4800	---	---
11AX40SISO	Ant1	2422	38.080	2402.9600	2441.0400	---	---
		2437	38.080	2417.8800	2455.9600	---	---
		2452	38.240	2432.8000	2471.0400	---	---

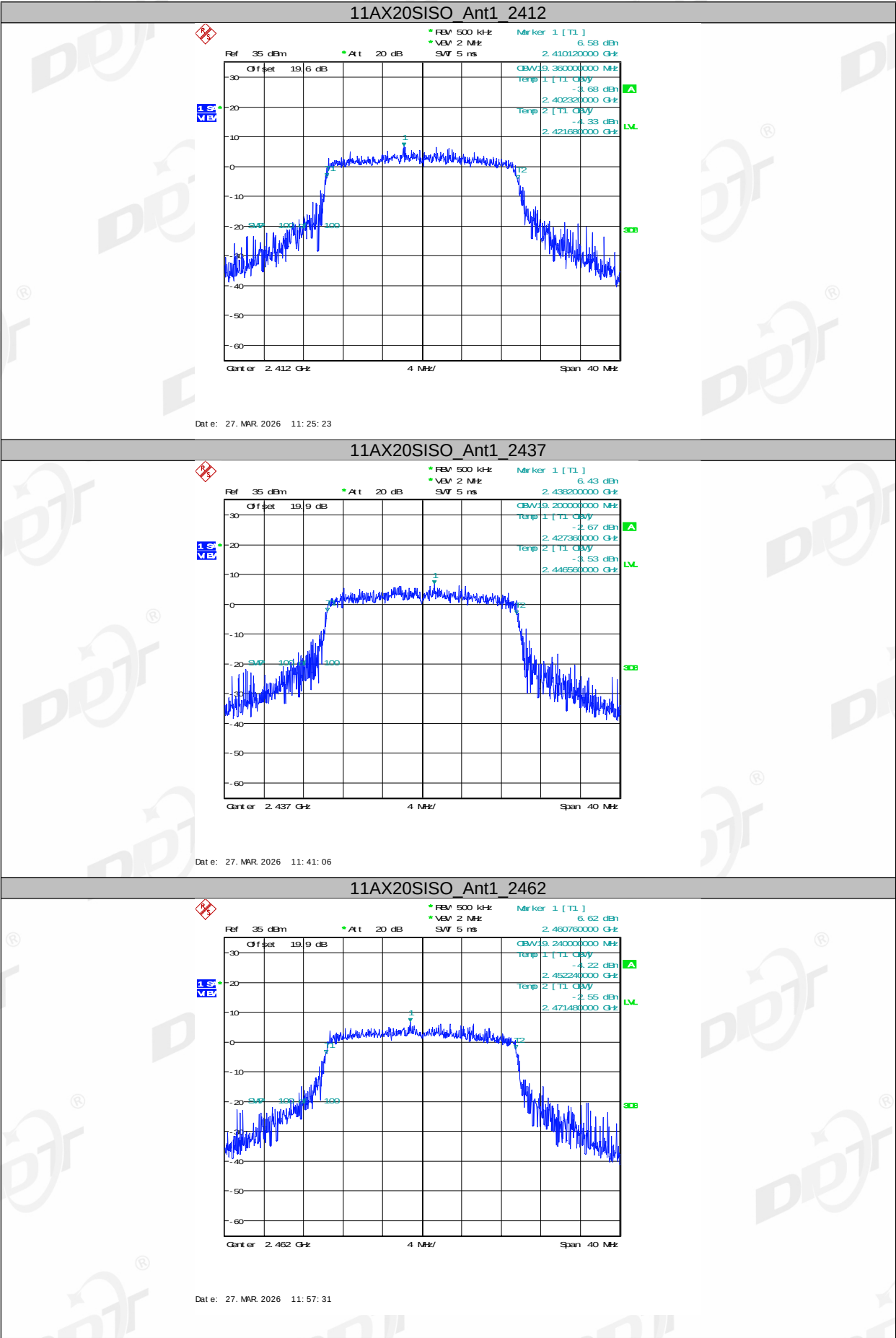
5.5. Test graphs

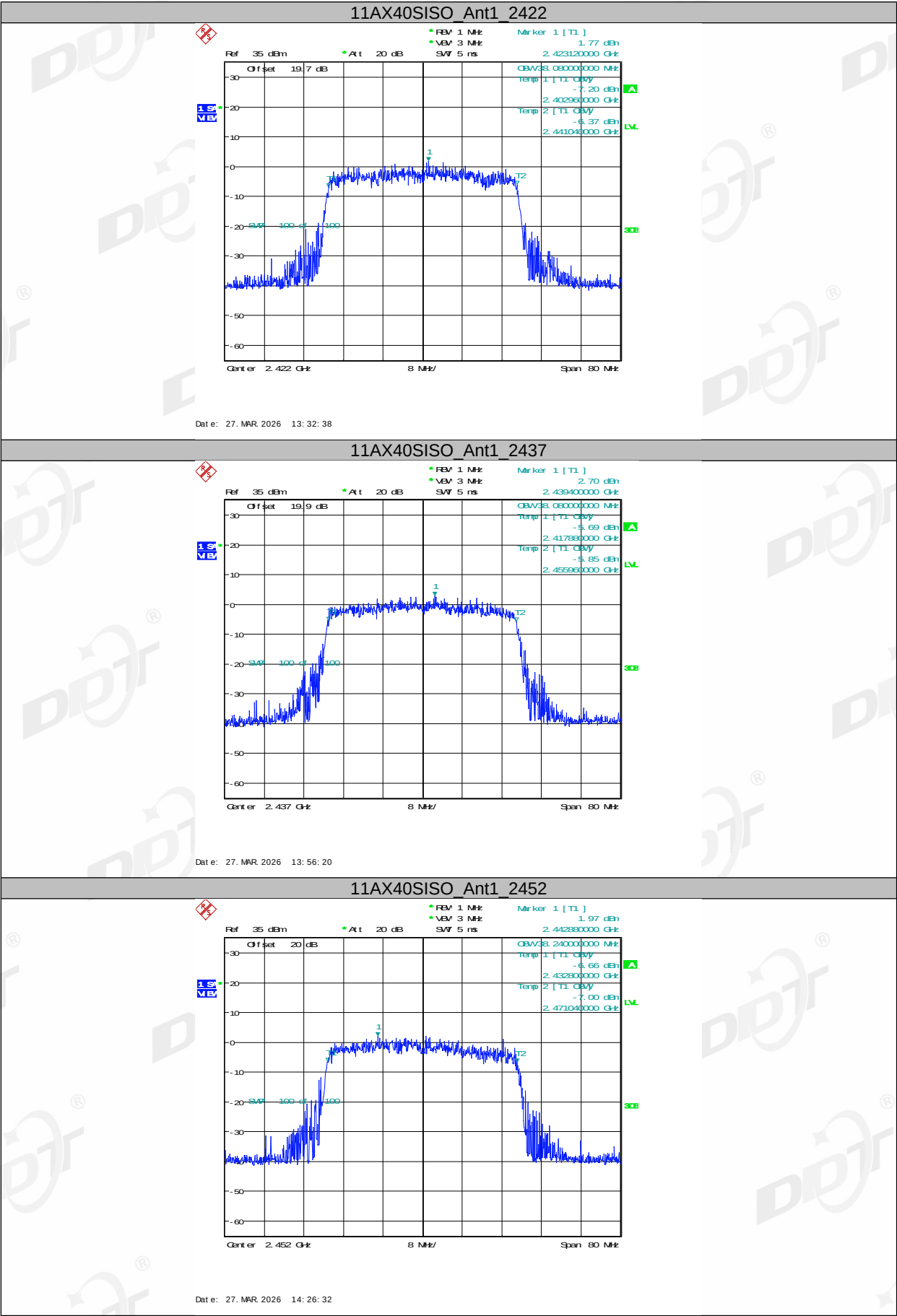






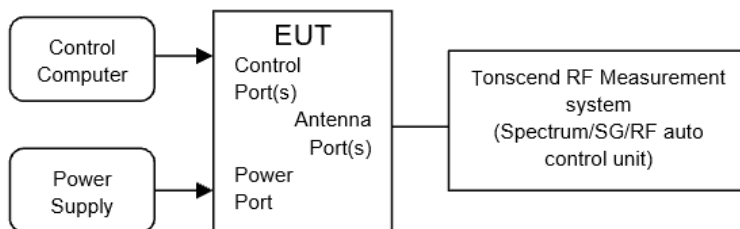






6. Conducted Output Power

6.1. Block diagram of test setup



6.2. Limits

For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. If transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

6.3. Test procedure

- (1) The test according to ANSI C63.10 clause 11.9.2.3.
- (2) Connect EUT's antenna output to RF power meter by RF cable, the path loss was compensated to the results.
- (3) Set the EUT as maximum power setting and enable the EUT transmit continuously, If the transmitter does not transmit continuously, measure the duty cycle, D, of the transmitter output signal.
- (4) Measure the average power of the transmitter. This measurement is an average over both the ON and OFF periods of the transmitter.
- (5) Adjust the measurement in dBm by adding $[10 \log (1 / D)]$, where D is the duty cycle.
- (6) Record the RF average power of each antenna port.

6.4. Test result average

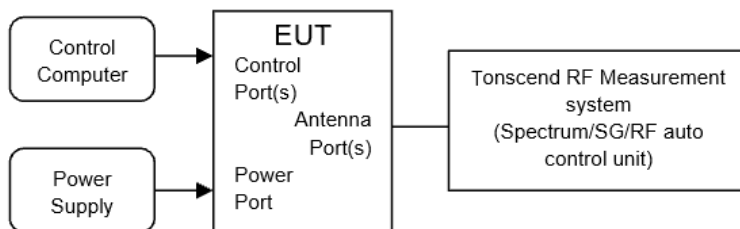
Test Engineer:	Tyang	Test Site:	RF Measurement System 1#
Ambient Condition:	24.4℃,44.4%RH	Test Date:	2026.03.26-2026.04.07
Test Power Supply:	Battery	Sample Number:	S26031615-001

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power Result [dBm]	Limit [dBm]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11B	Ant1	2412	22.57	≤30.00	24.21	≤36.00	PASS
		2437	22.58	≤30.00	24.22	≤36.00	PASS
		2462	20.97	≤30.00	22.61	≤36.00	PASS
11G	Ant1	2412	17.22	≤30.00	18.86	≤36.00	PASS
		2437	18.12	≤30.00	19.76	≤36.00	PASS
		2462	17.00	≤30.00	18.64	≤36.00	PASS
11N20SISO	Ant1	2412	17.19	≤30.00	18.83	≤36.00	PASS
		2437	18.17	≤30.00	19.81	≤36.00	PASS
		2462	17.30	≤30.00	18.94	≤36.00	PASS
11N40SISO	Ant1	2422	14.28	≤30.00	15.92	≤36.00	PASS
		2437	15.13	≤30.00	16.77	≤36.00	PASS
		2452	15.06	≤30.00	16.70	≤36.00	PASS
11AX20SISO	Ant1	2412	17.45	≤30.00	19.09	≤36.00	PASS
		2437	18.65	≤30.00	20.29	≤36.00	PASS
		2462	17.49	≤30.00	19.13	≤36.00	PASS
11AX40SISO	Ant1	2422	13.40	≤30.00	15.04	≤36.00	PASS
		2437	14.48	≤30.00	16.12	≤36.00	PASS
		2452	15.12	≤30.00	16.76	≤36.00	PASS

Note: EIRP (dBm)=Conducted Output Power (dBm)+ Antenna Gain (dBi)

7. Power Spectral Density

7.1. Block diagram of test setup



7.2. Limits

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

7.3. Test procedure

- (1) The test according to ANSI C63.10 clause 11.10.5.
- (2) Connect EUT's antenna output to spectrum analyzer by RF cable, the path loss was compensated to the results.
- (3) Set the EUT as maximum power setting and enable the EUT transmit continuously.
- (4) Use the following spectrum analyzer settings for Power Spectral Density measurement:

Center frequency:	DTS Channel center frequency
RBW:	$3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$
VBW:	$\geq 3\text{RBW}$
Span:	1.5 times the DTS bandwidth
Detector Mode:	RMS
Sweep time:	auto
Trace mode:	max hold
Trace:	Employ trace averaging (rms) mode over a minimum of 100 traces.

- (5) Add $[10 \log (1 / D)]$, where D is the duty cycle measured in step a), to the measured PSD to compute the average PSD during the actual transmission time.
- (6) If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

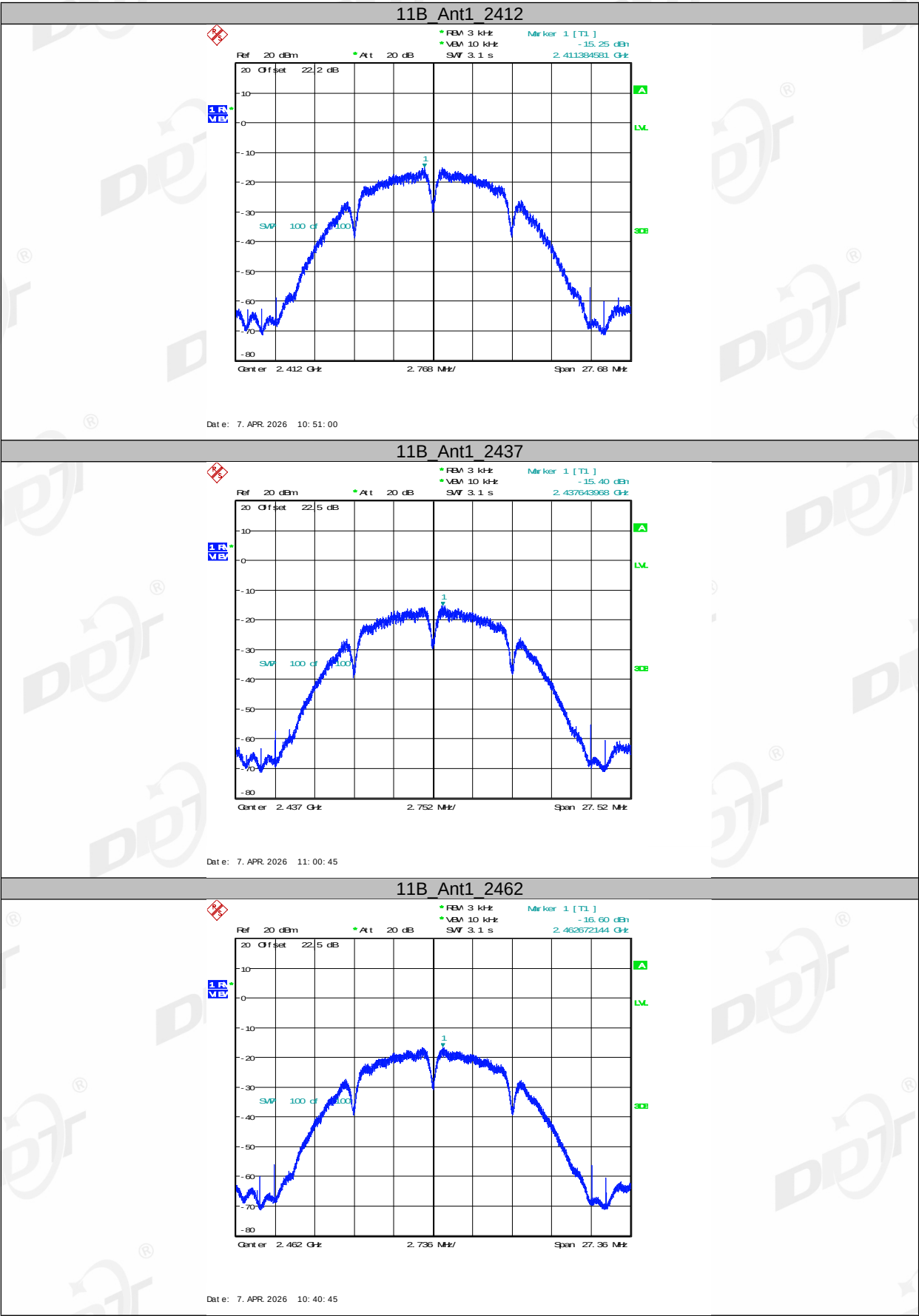
7.4. Test result

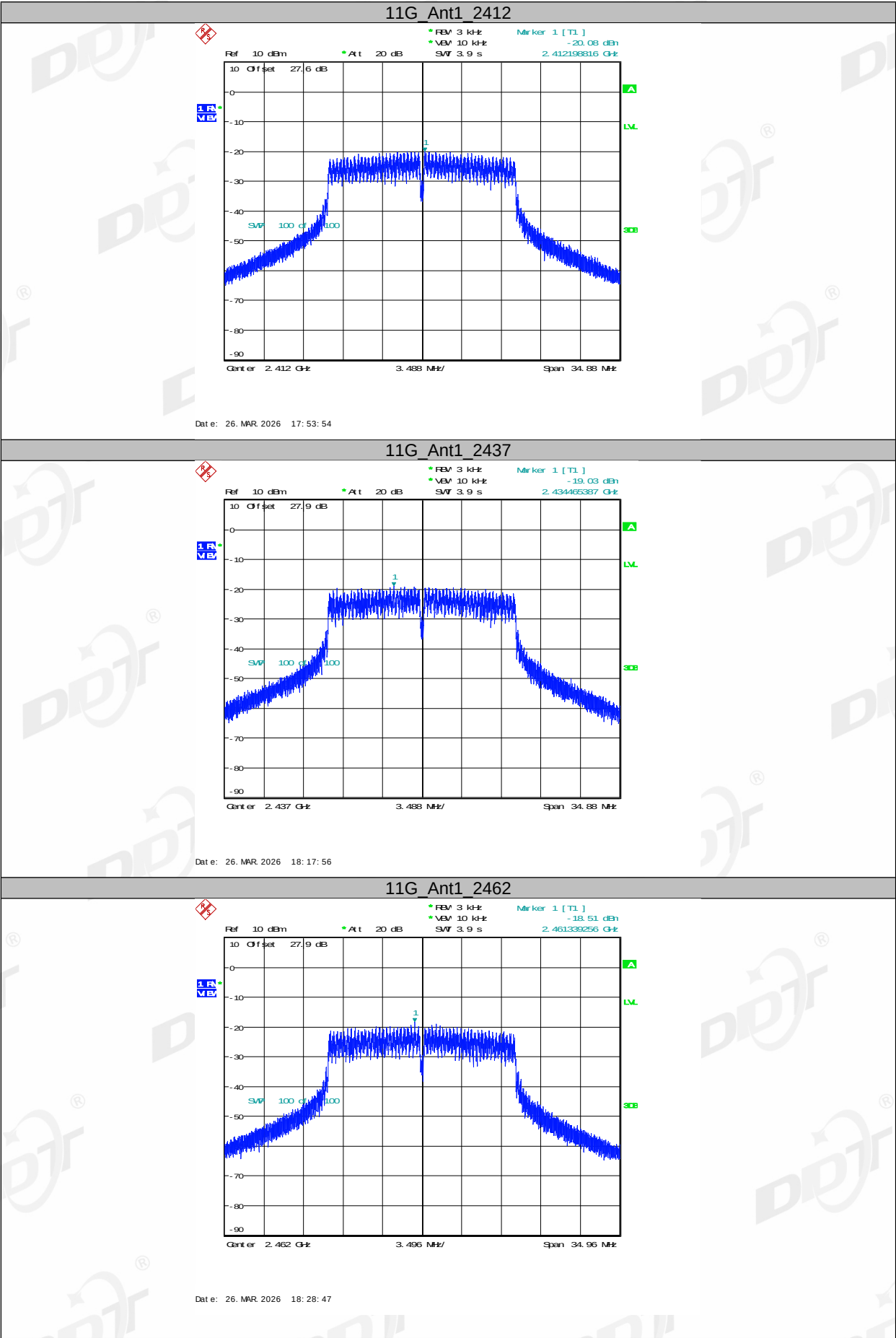
Test Engineer:	Tyang	Test Site:	RF Measurement System 1#
Ambient Condition:	24.4℃,44.4%RH	Test Date:	2026.03.26-2026.04.07
Test Power Supply:	Battery	Sample Number:	S26031615-001

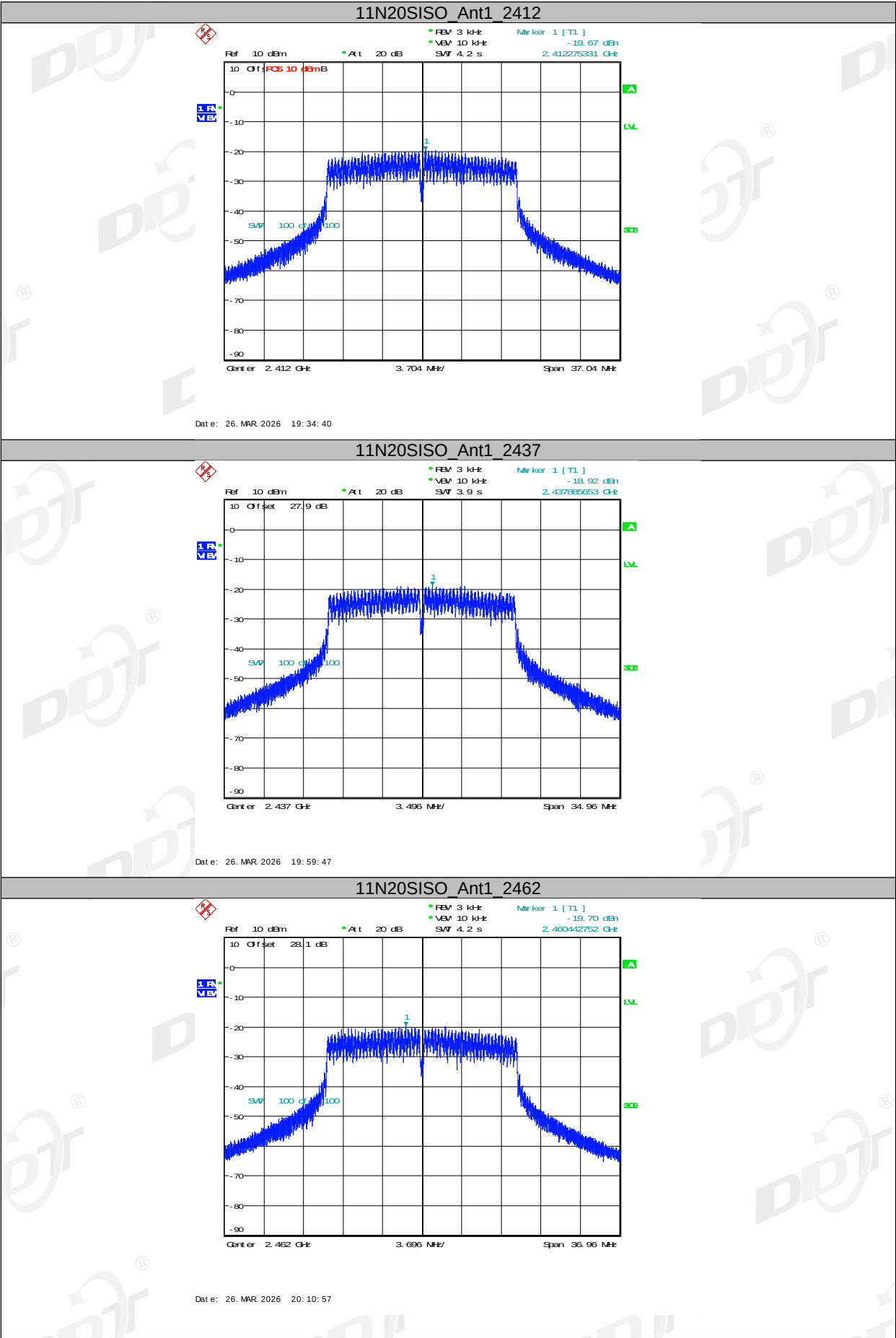
Test Mode	Antenna	Frequency [MHz]	Result [dBm/3-100kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-15.25	≤8.00	PASS
		2437	-15.40	≤8.00	PASS
		2462	-16.60	≤8.00	PASS
11G	Ant1	2412	-20.08	≤8.00	PASS
		2437	-19.03	≤8.00	PASS
		2462	-18.51	≤8.00	PASS
11N20SISO	Ant1	2412	-19.67	≤8.00	PASS
		2437	-18.92	≤8.00	PASS
		2462	-19.70	≤8.00	PASS
11N40SISO	Ant1	2422	-25.36	≤8.00	PASS
		2437	-25.33	≤8.00	PASS
		2452	-25.06	≤8.00	PASS
11AX20SISO	Ant1	2412	-20.60	≤8.00	PASS
		2437	-18.79	≤8.00	PASS
		2462	-20.04	≤8.00	PASS
11AX40SISO	Ant1	2422	-25.48	≤8.00	PASS
		2437	-25.60	≤8.00	PASS
		2452	-26.39	≤8.00	PASS

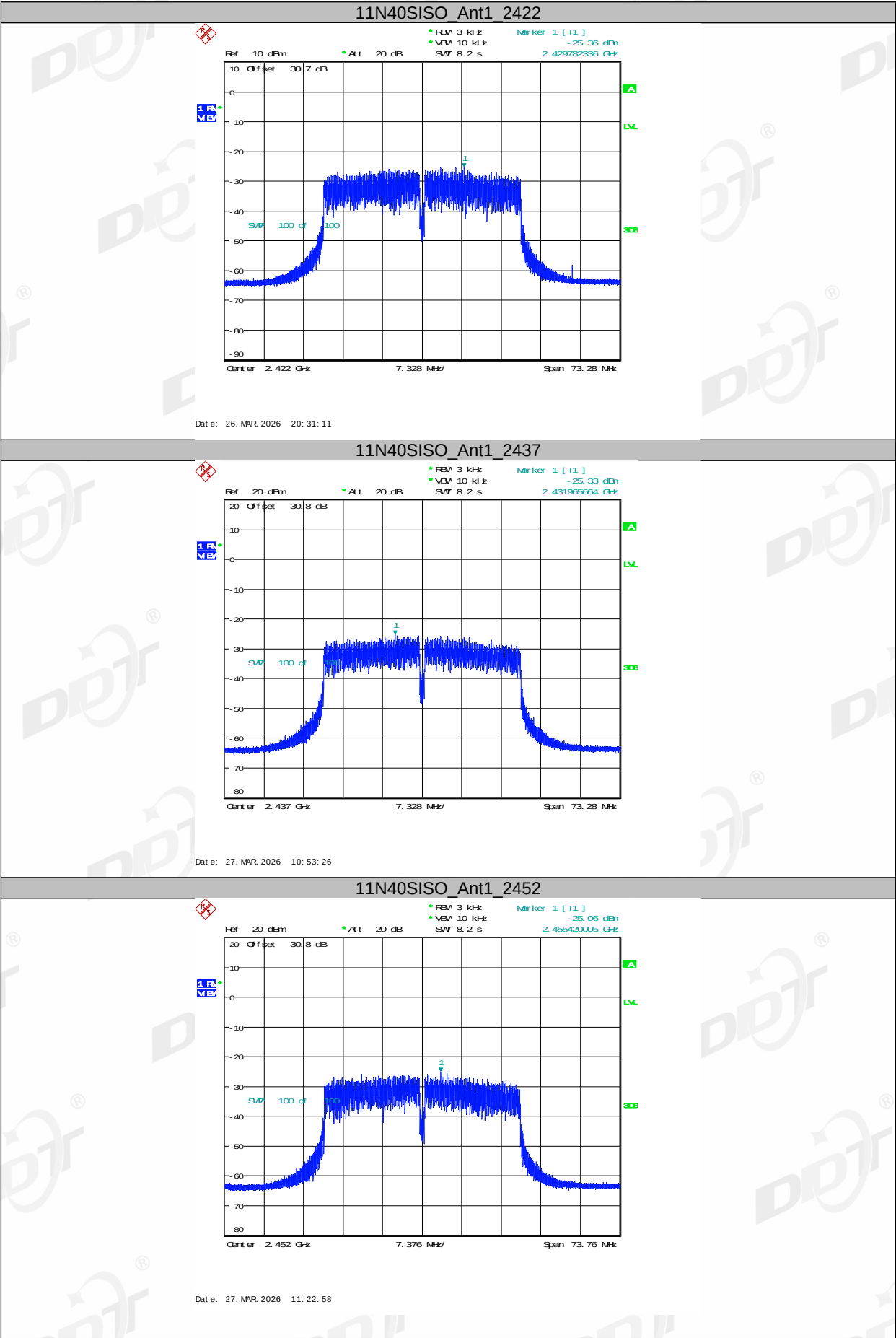
Note: The Duty Cycle Factor is compensated in the graph.

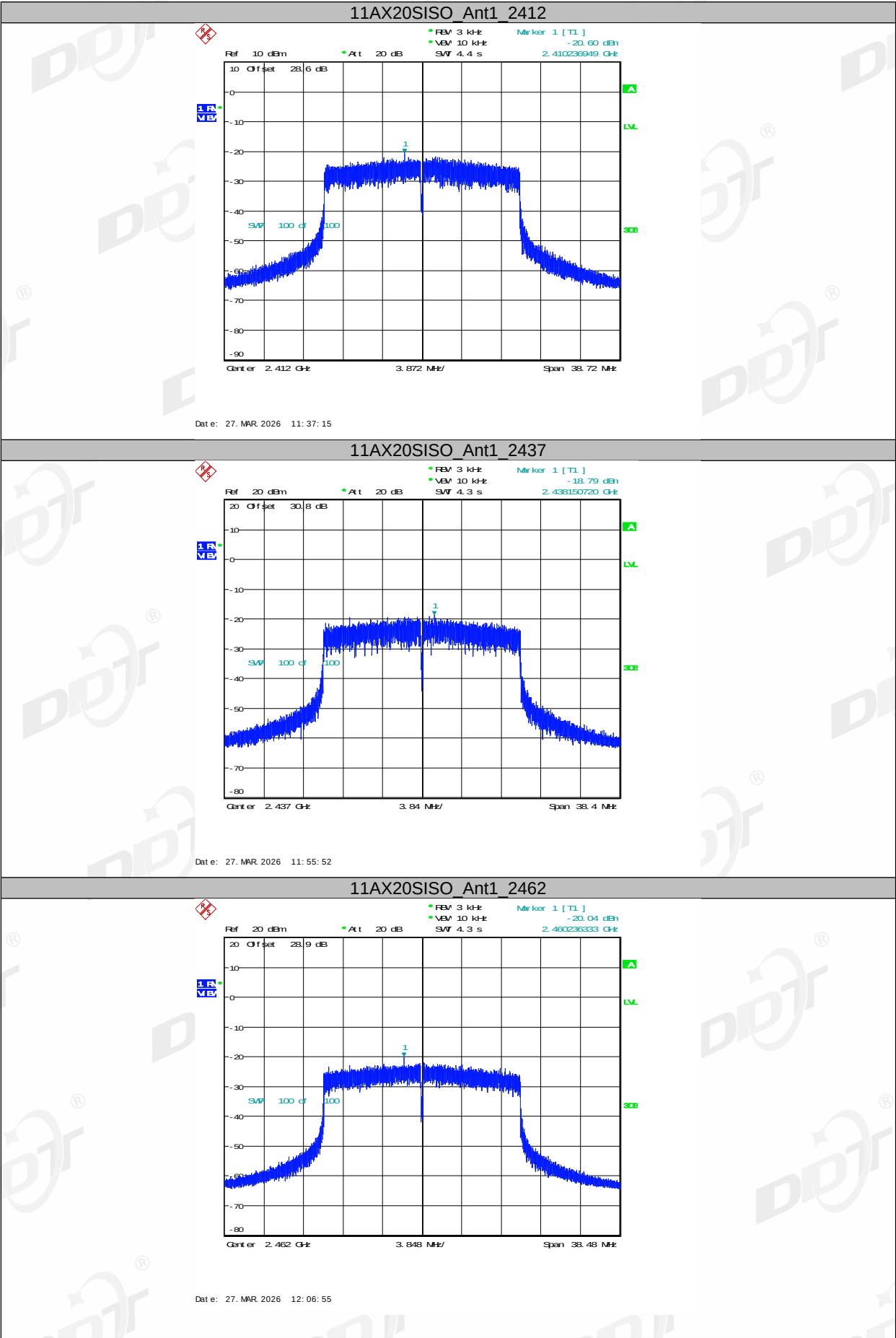
7.5. Test graphs

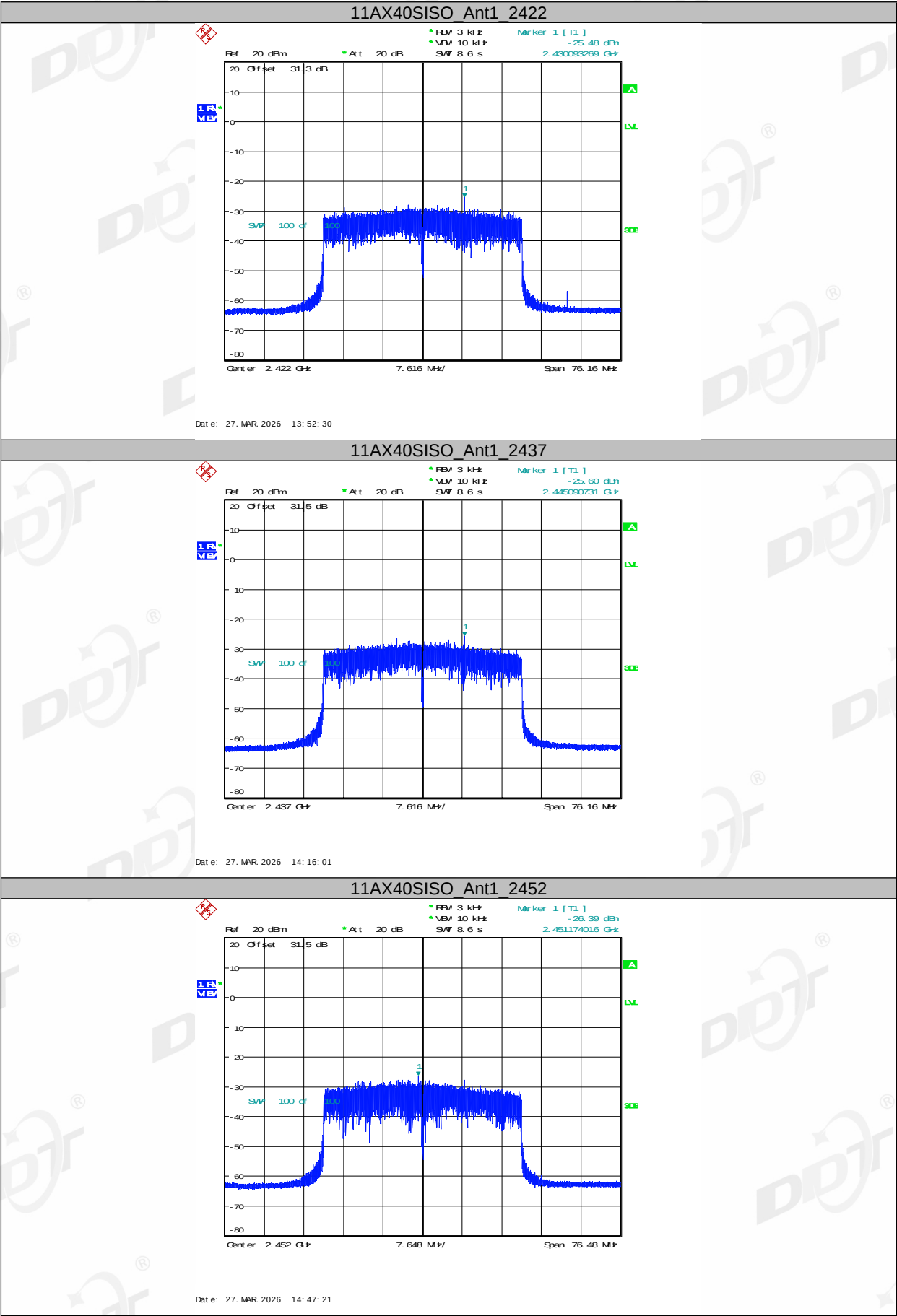






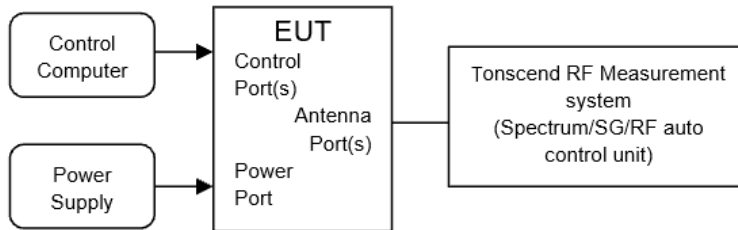






8. Band Edge Compliance (Conducted Method)

8.1. Block diagram of test setup



8.2. Limits

In any 100 kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 30 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power.

8.3. Test procedure

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

(2) Establish a reference level by using the following procedure:

RBW: 100 kHz

VBW: 300 kHz

Span: Encompass frequency range to be measured

Detector Mode: Peak

Sweep time: auto

Trace mode: Max hold

(3) Allow the trace to stabilize, use the peak marker function to determine the maximum peak power level to establish the reference level.

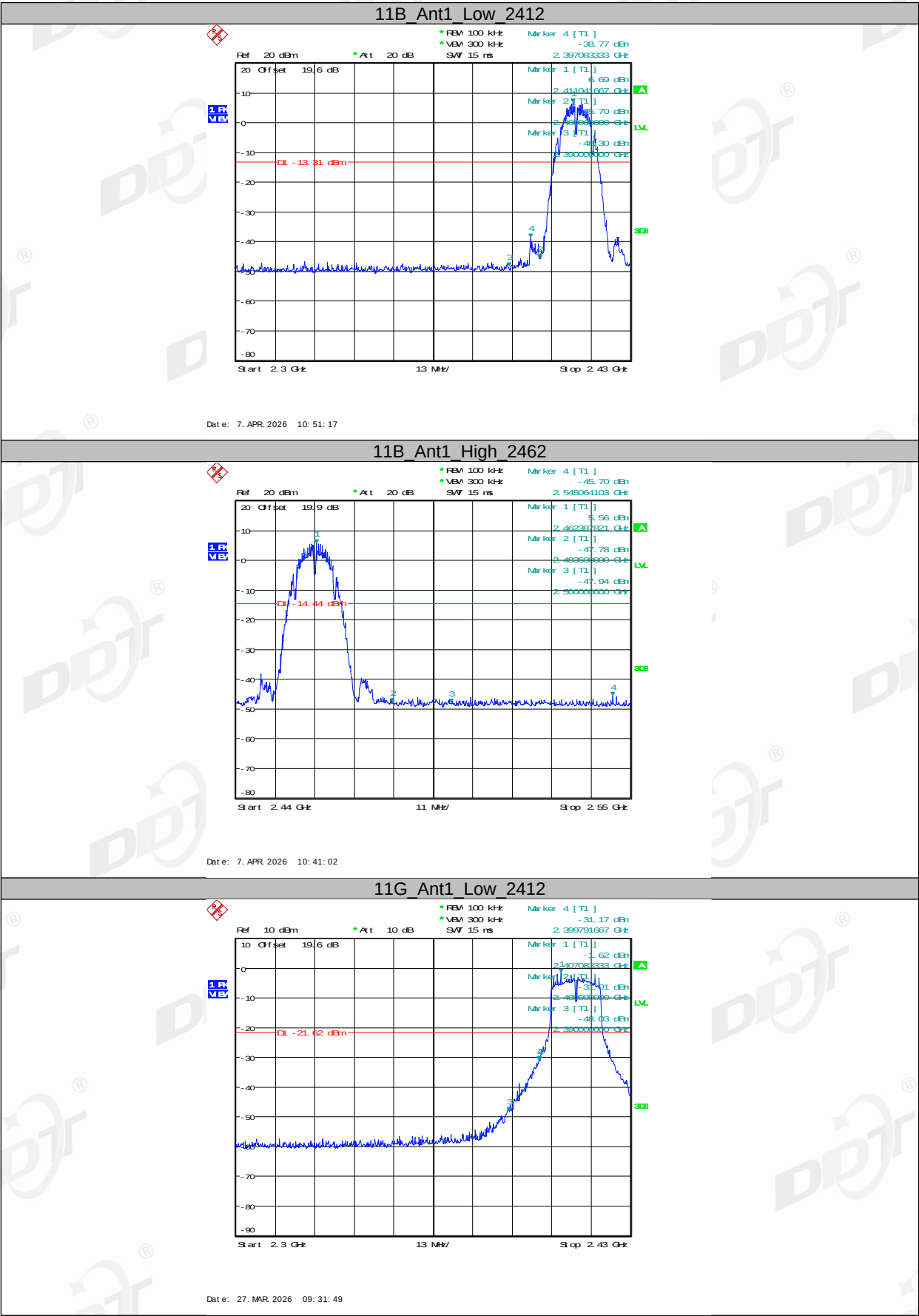
(4) Then mark the maximum amplitude of all unwanted emissions outside of the authorized frequency band.

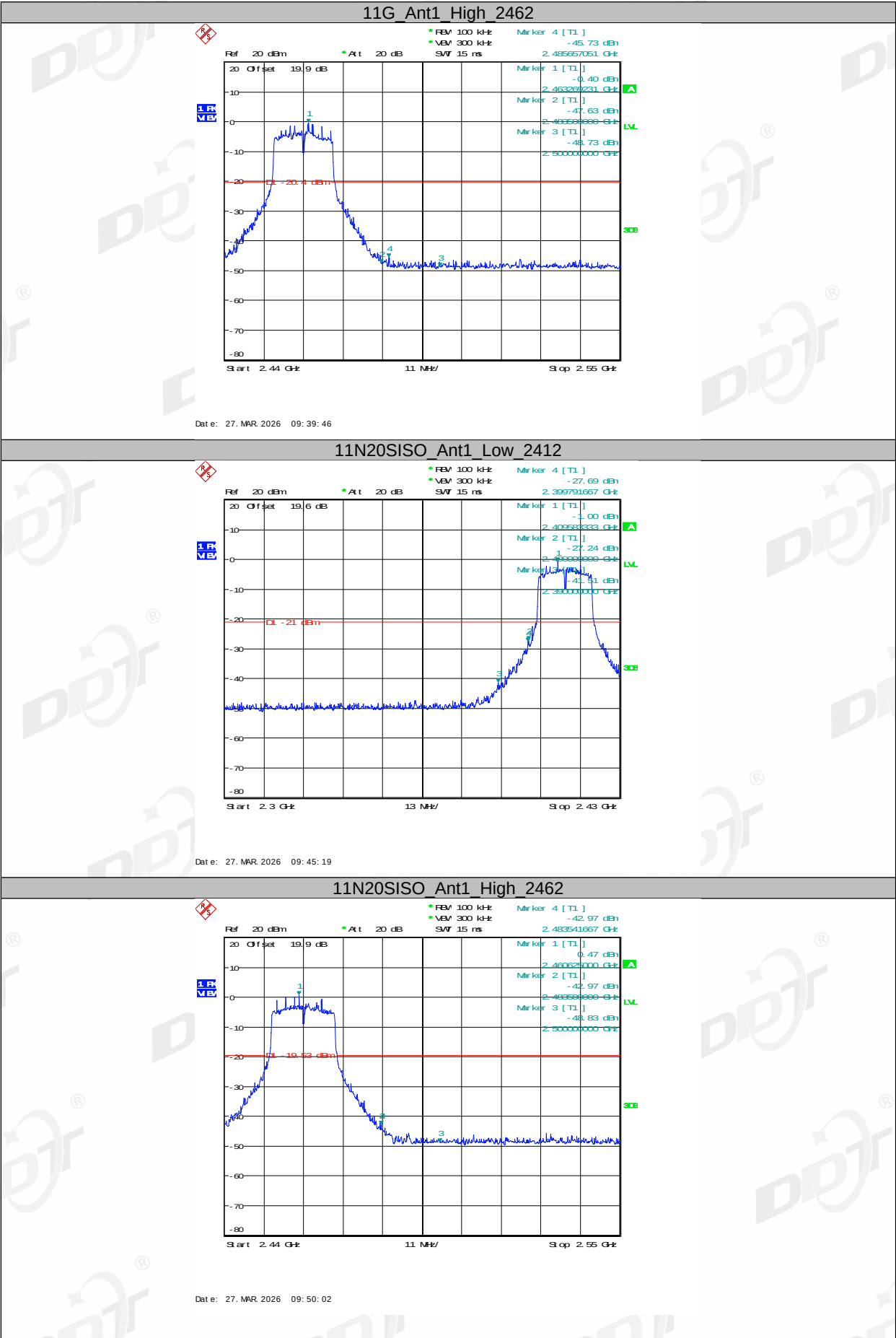
8.4. Test result

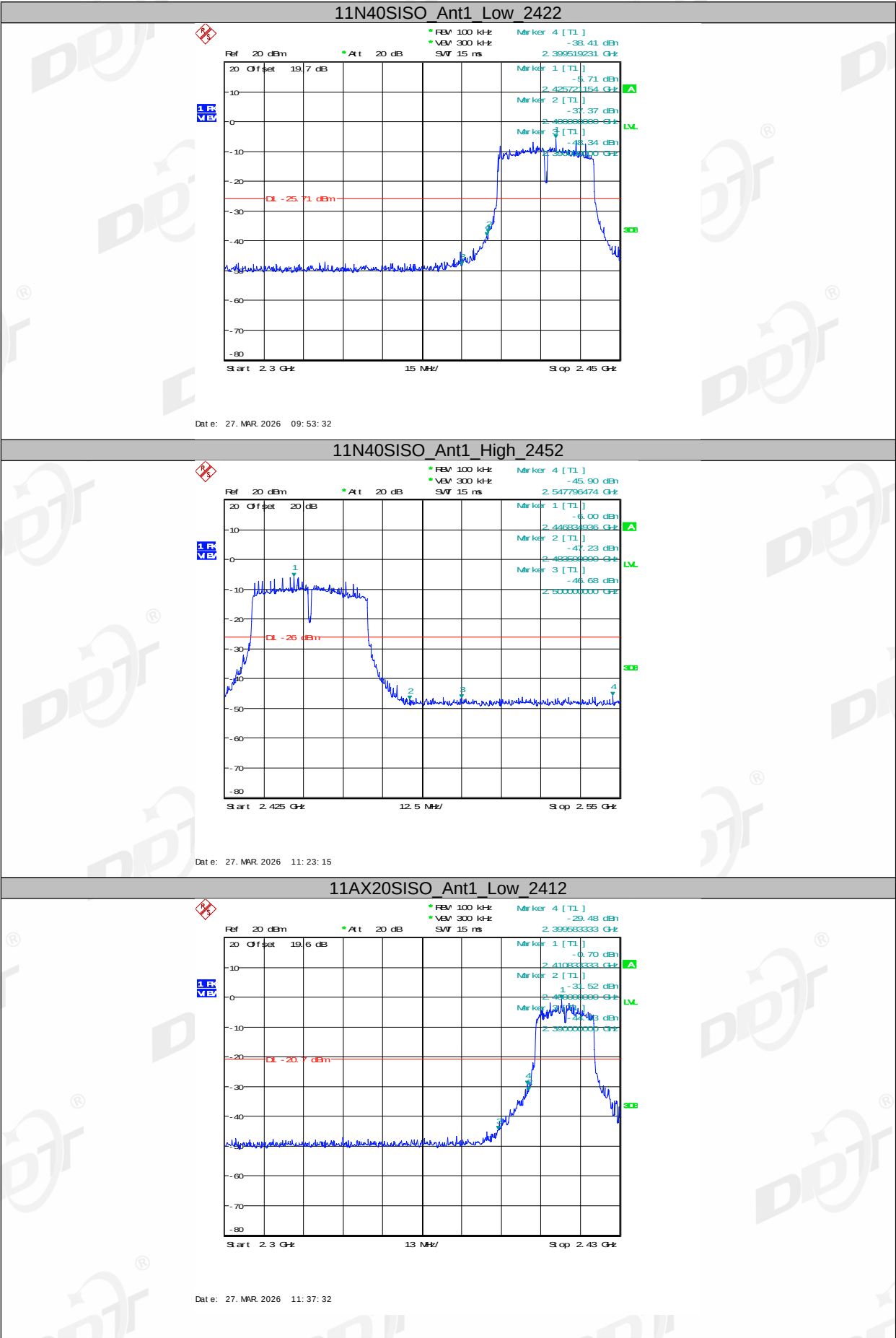
Test Engineer:	Tyang	Test Site:	RF Measurement System 1#
Ambient Condition:	24.4℃,44.4%RH	Test Date:	2026.03.26-2026.04.07
Test Power Supply:	Battery	Sample Number:	S26031615-001

EUT Set Mode	CH or Frequency	Result (dBm)	EUT Set Mode	CH or Frequency	Result (dBm)
11b	CH1	Pass	11g	CH1	Pass
	CH11	Pass		CH11	Pass
11n HT 20	CH1	Pass	11n HT 40	CH3	Pass
	CH11	Pass		CH9	Pass
11ax HE 20	CH1	Pass	11ax HE 40	CH3	Pass
	CH11	Pass		CH9	Pass

8.5. Test graphs



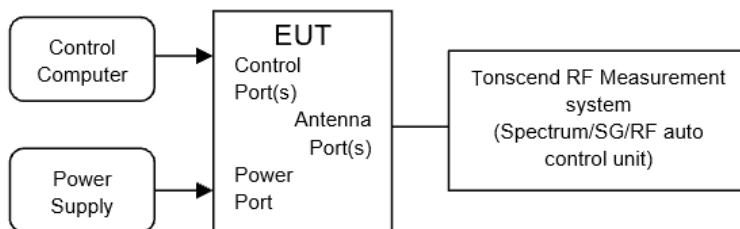






9. RF Conducted Spurious Emissions

9.1. Block diagram of test setup



9.2. Limits

In any 100 kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 30 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power.

9.3. Test procedure

- (1) Connect EUT's antenna output to spectrum analyzer by RF cable.
- (2) Establish a reference level by using the following procedure:

Center frequency:	Test frequency
RBW:	100 kHz
VBW:	300 kHz
Span:	Wide enough to capture the peak level of the in-band emission
Detector Mode:	Peak
Sweep time:	auto
Trace mode:	Max hold
- (3) Allow the trace to stabilize, use the peak marker function to determine the maximum peak power level to establish the reference level.
- (4) Set the spectrum analyzer as follows:

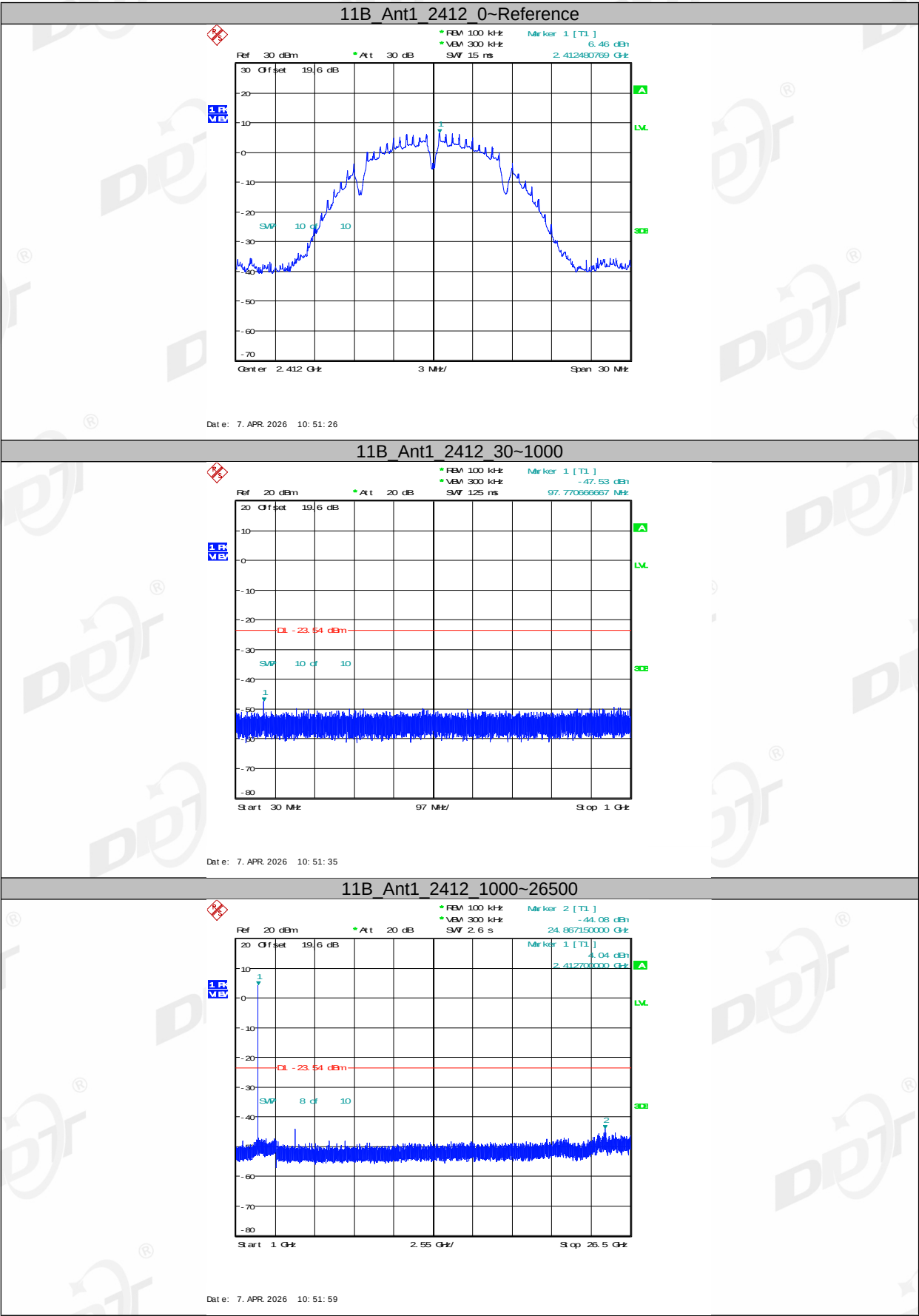
RBW:	100 kHz
VBW:	300 kHz
Span:	Encompass frequency range to be measured
Number of measurement points:	$\geq \text{Span/RBW}$
Detector Mode:	Peak
Sweep time:	auto
Trace mode:	Max hold
- (5) Allow the trace to stabilize, use the peak marker function to determine the maximum amplitude of all unwanted emissions outside of the authorized frequency band

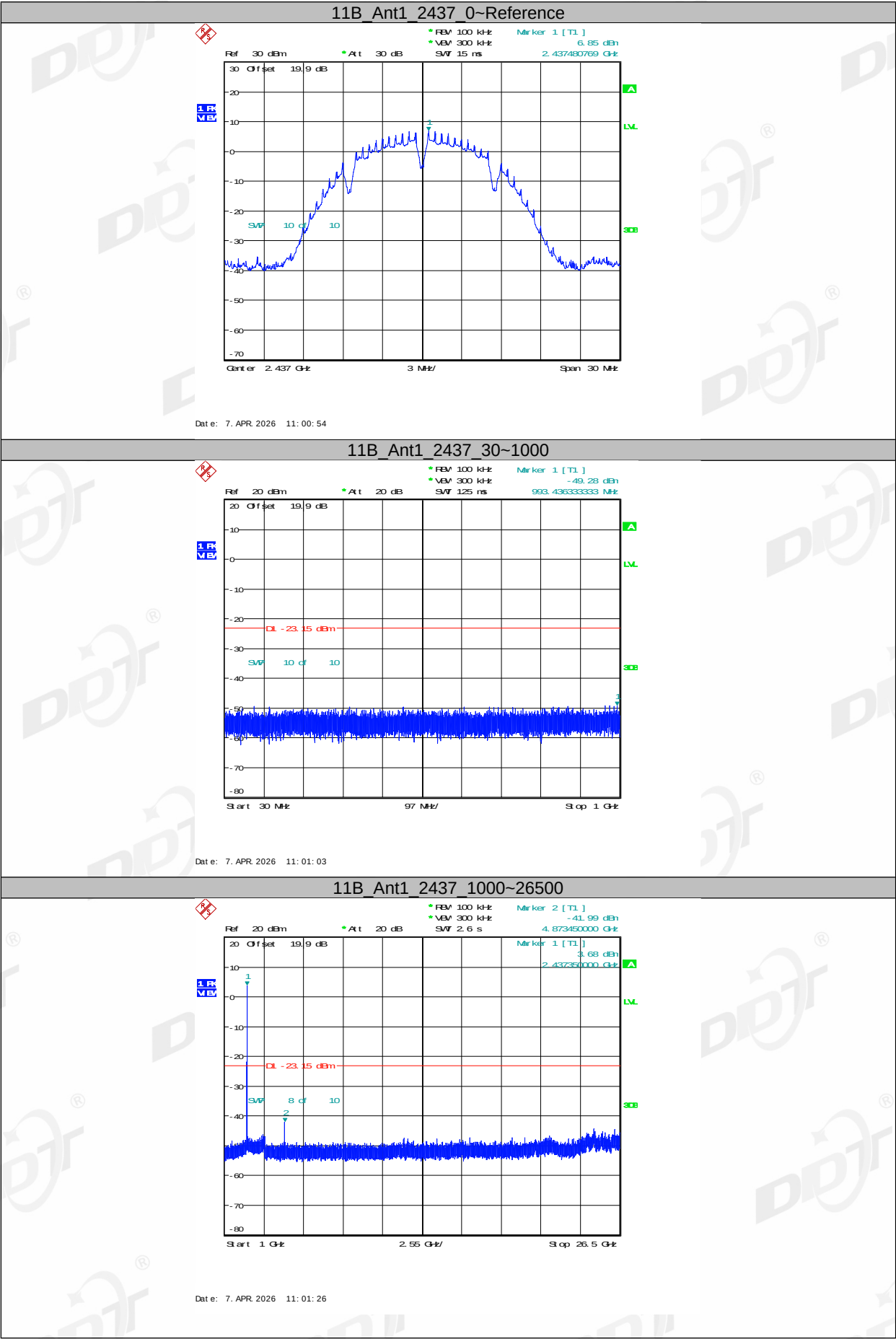
9.4. Test result

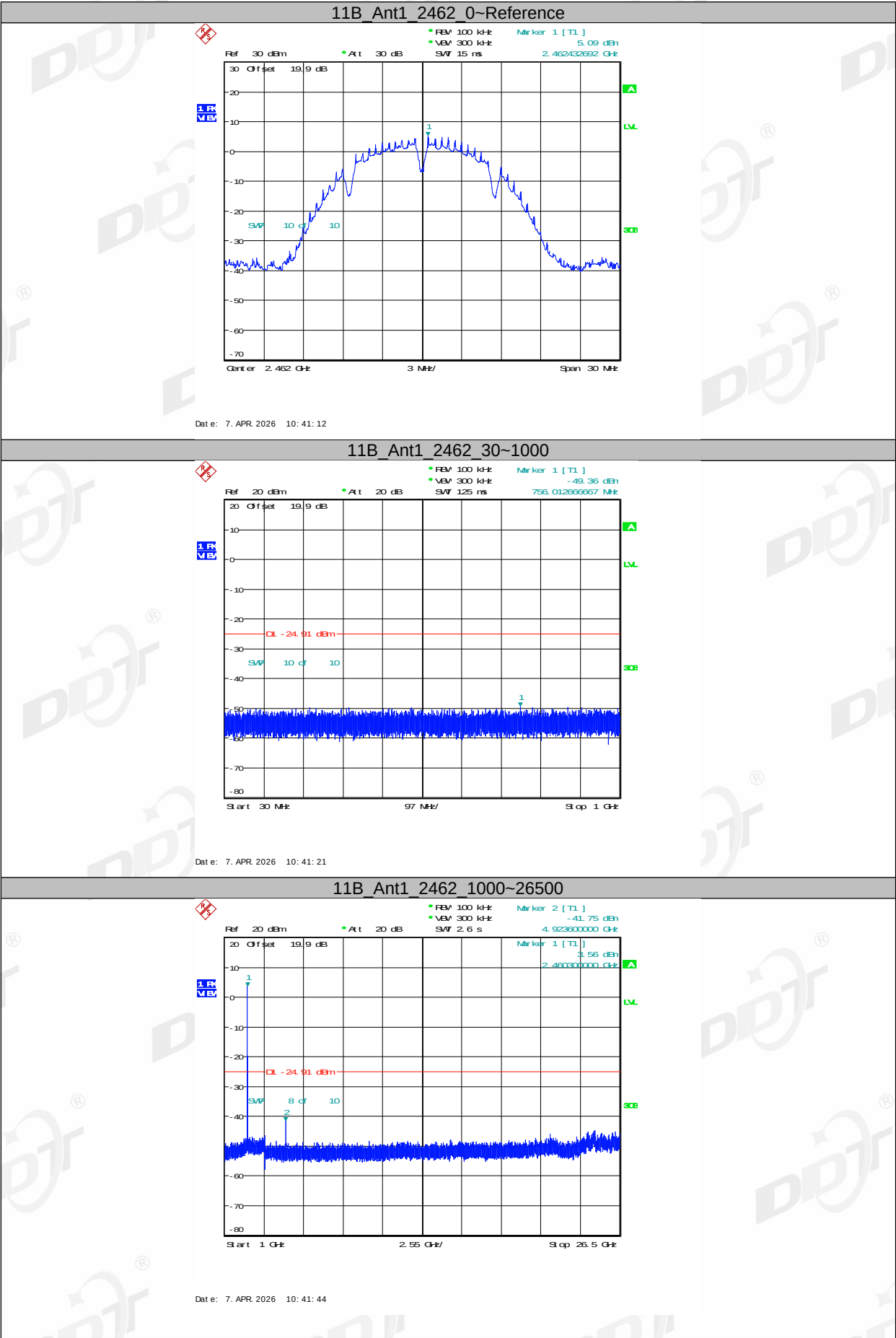
Test Engineer:	Tyang	Test Site:	RF Measurement System 1#
Ambient Condition:	24.4℃,44.4%RH	Test Date:	2026.03.26-2026.04.07
Test Power Supply:	Battery	Sample Number:	S26031615-001

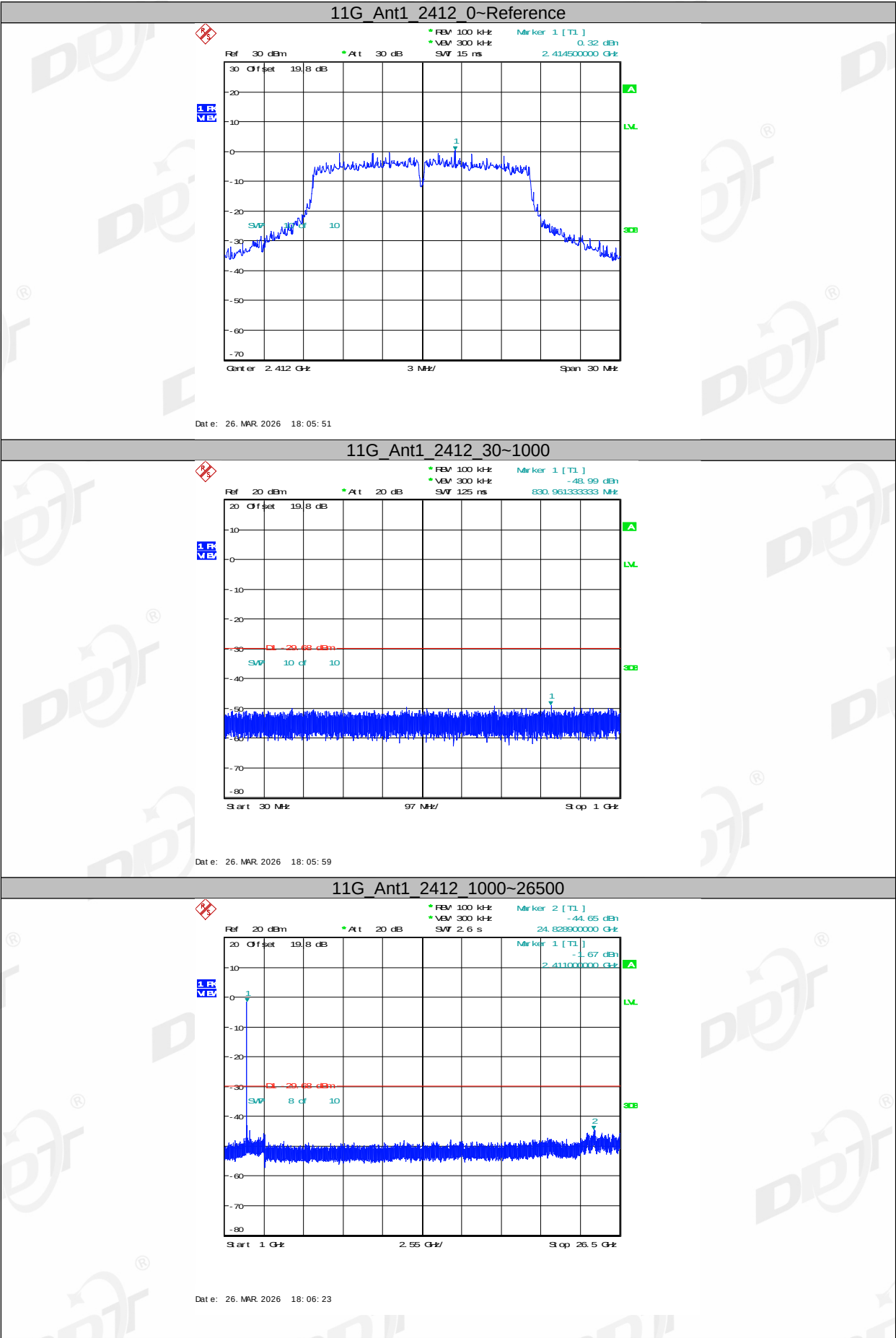
EUT Set Mode	CH or Frequency	Result (dBm)	EUT Set Mode	CH or Frequency	Result (dBm)
11b	CH1	Pass	11g	CH1	Pass
	CH11	Pass		CH11	Pass
11n HT 20	CH1	Pass	11n HT 40	CH3	Pass
	CH11	Pass		CH9	Pass
11ax HE 20	CH1	Pass	11ax HE 40	CH3	Pass
	CH11	Pass		CH9	Pass

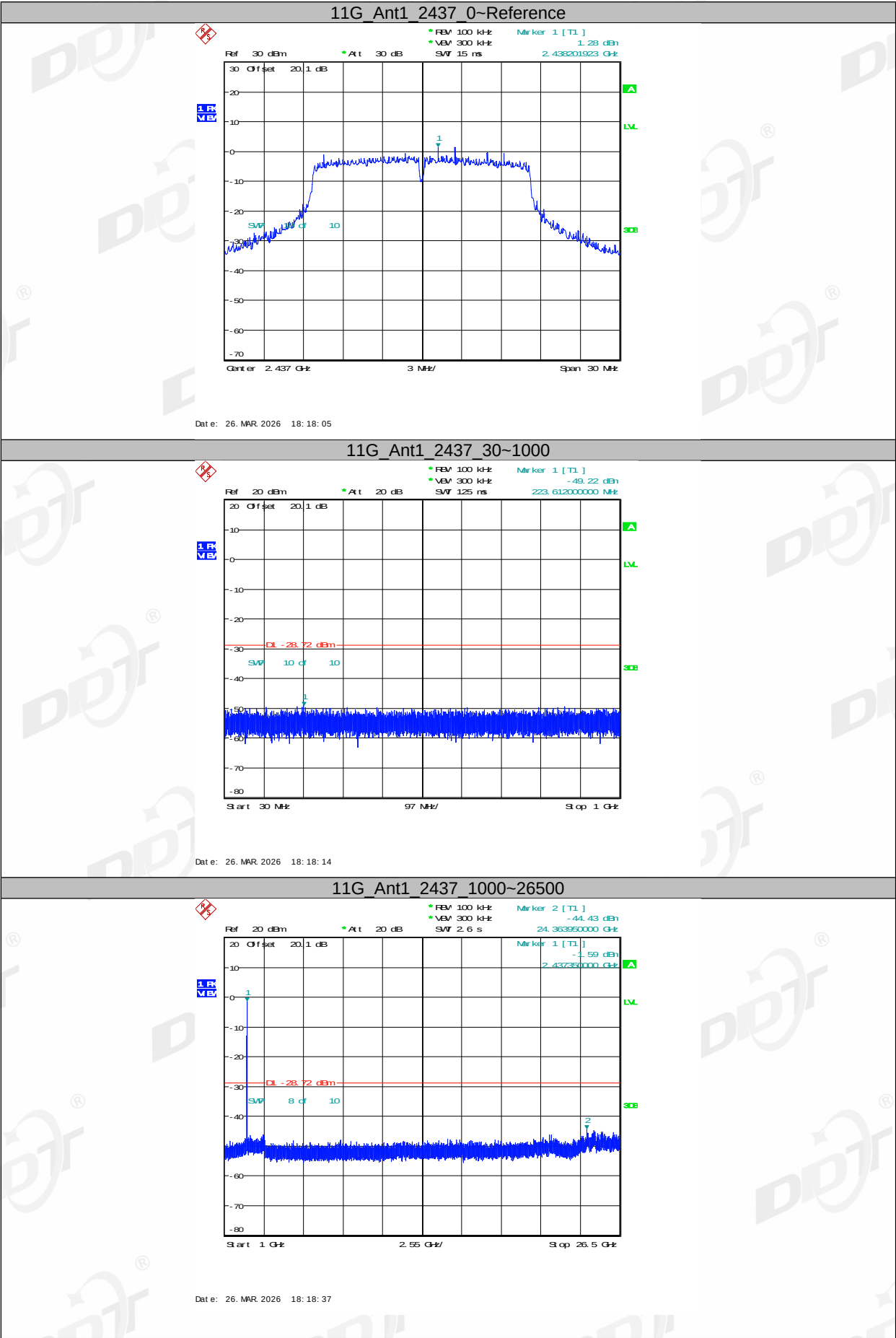
9.5. Test graphs

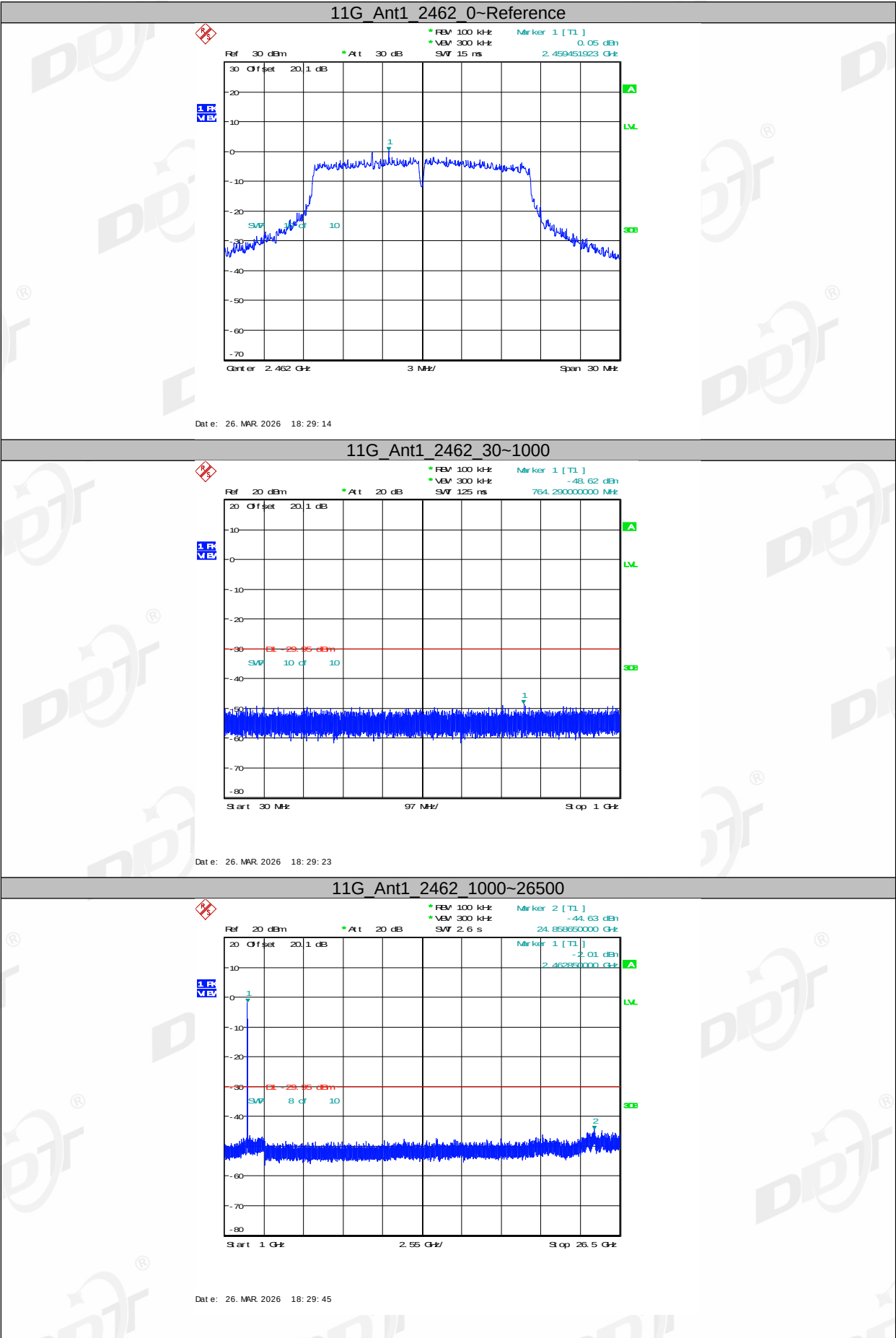


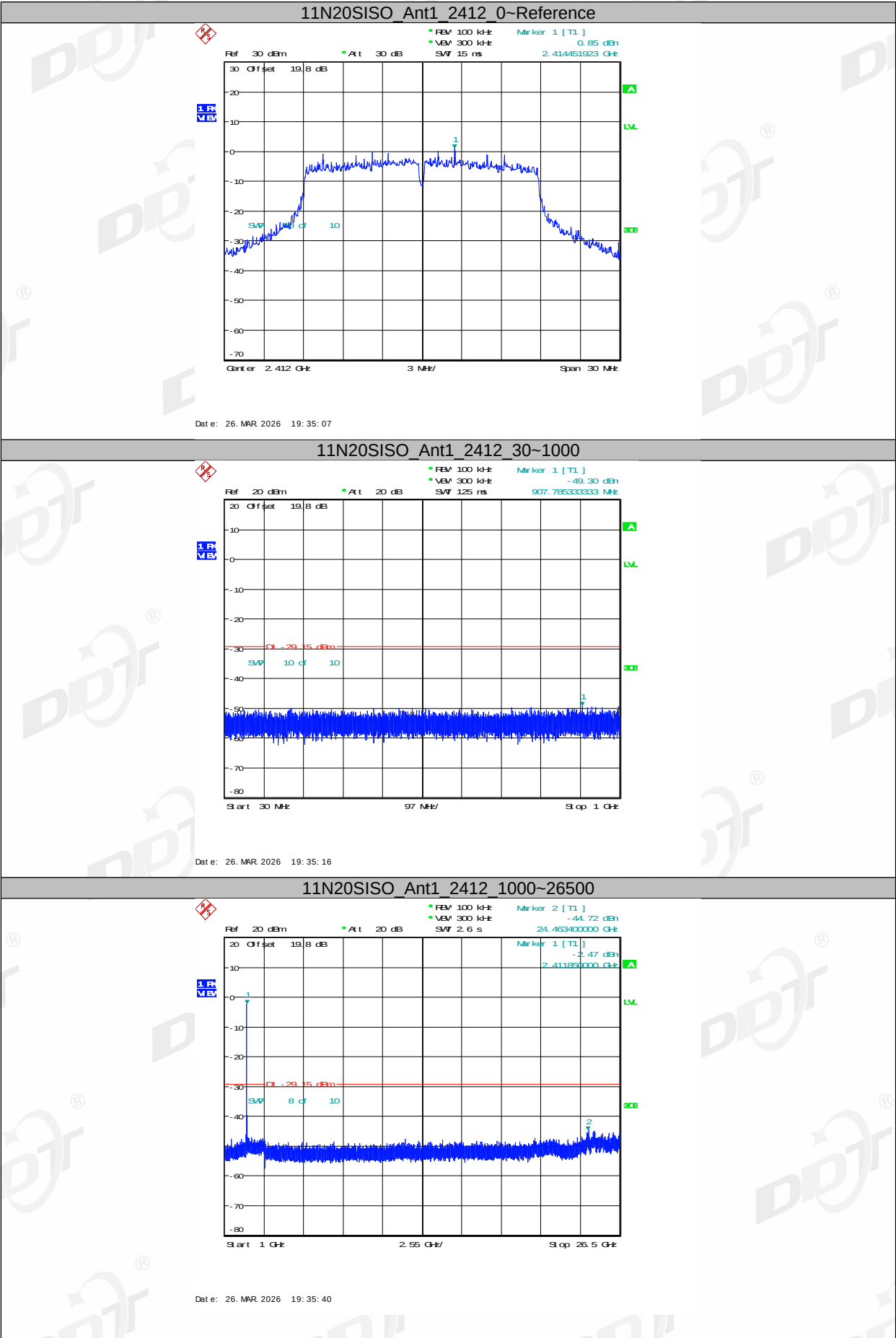


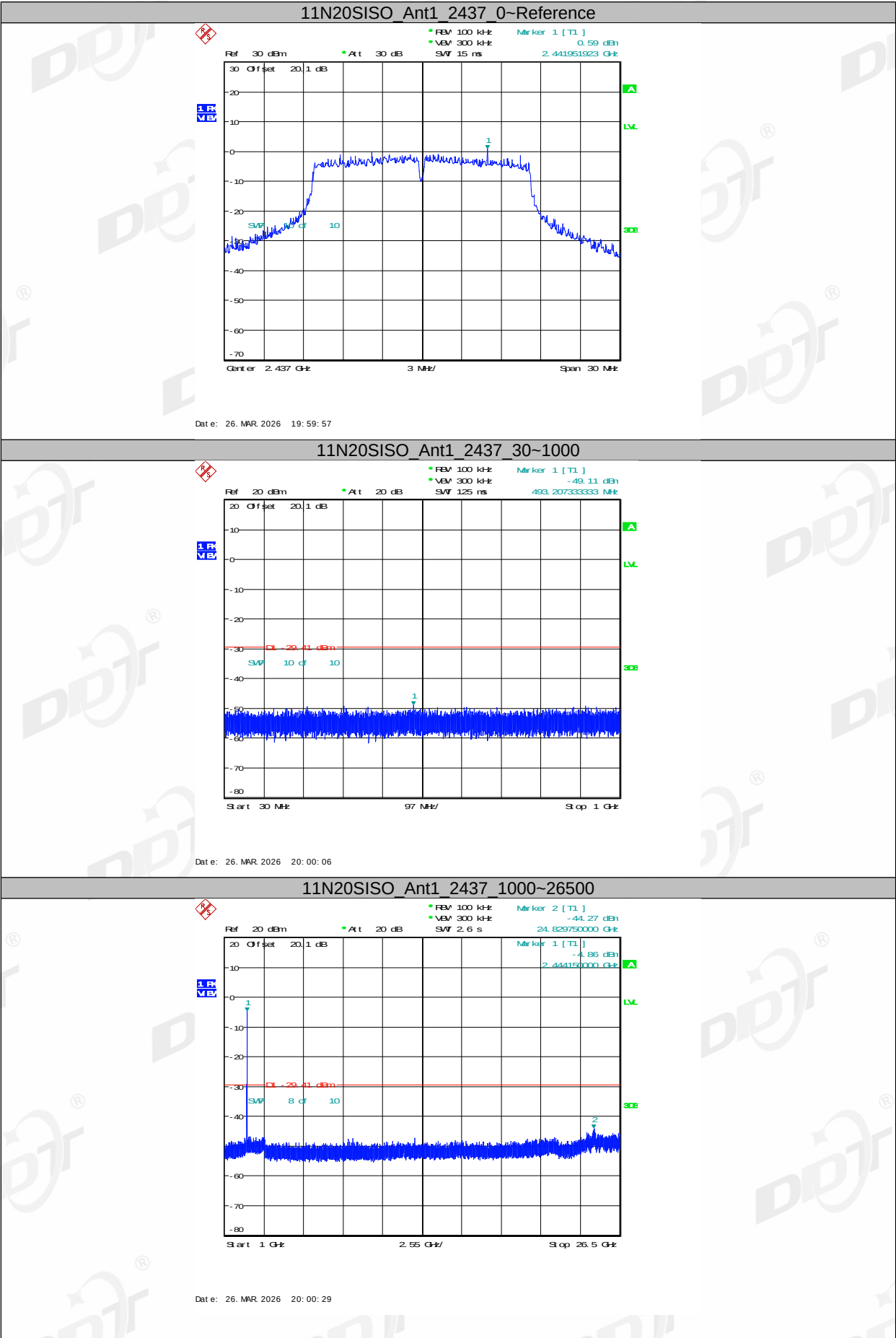




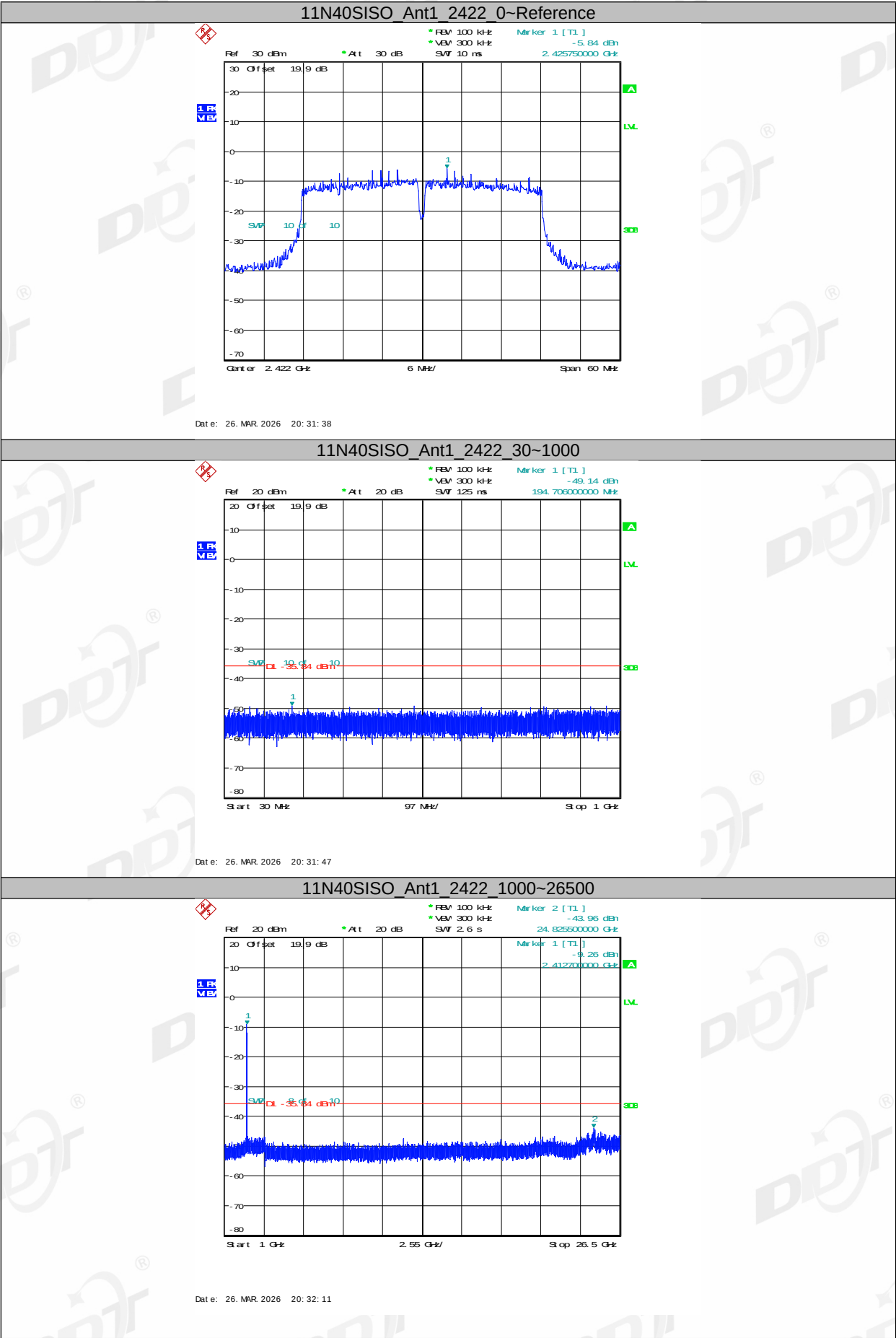












11N40SISO_Ant1_2422_1000~26500

Ref 20 dBm

Att 20 dB

RBW 100 kHz

VBW 300 kHz

SWF 2.6 s

Marker 2 [T1]

-43.96 dBm

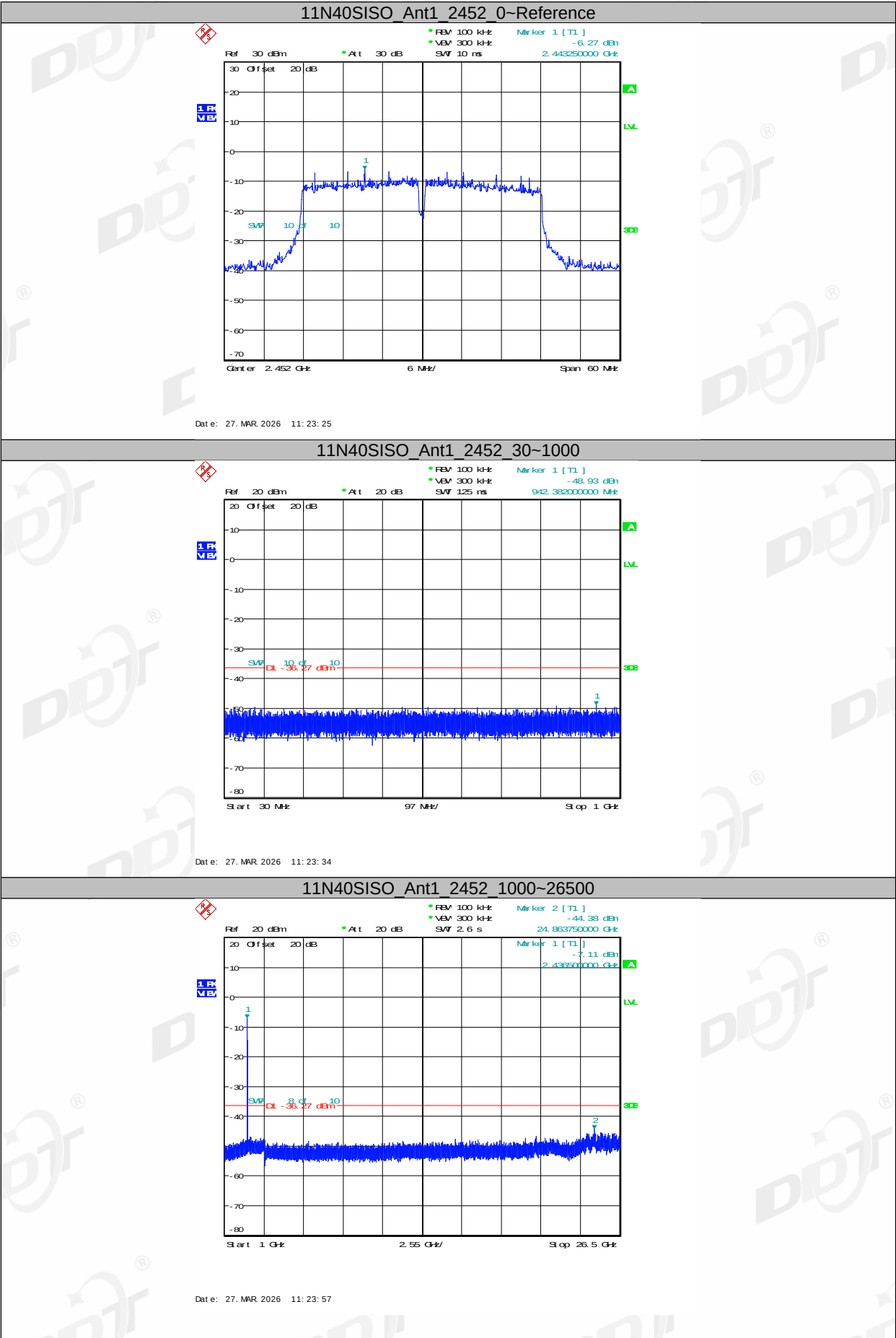
24.825500000 GHz

Marker 1 [T1]

-9.26 dBm

2.412200000 GHz





11N40SISO_Ant1_2452_1000~26500

Ref 20 dBm

Att 20 dB

RBW 100 kHz

VBW 300 kHz

SWF 2.6 s

Marker 2 [T1]

-44.38 dBm

24.863750000 GHz

Marker 1 [T1]

-7.11 dBm

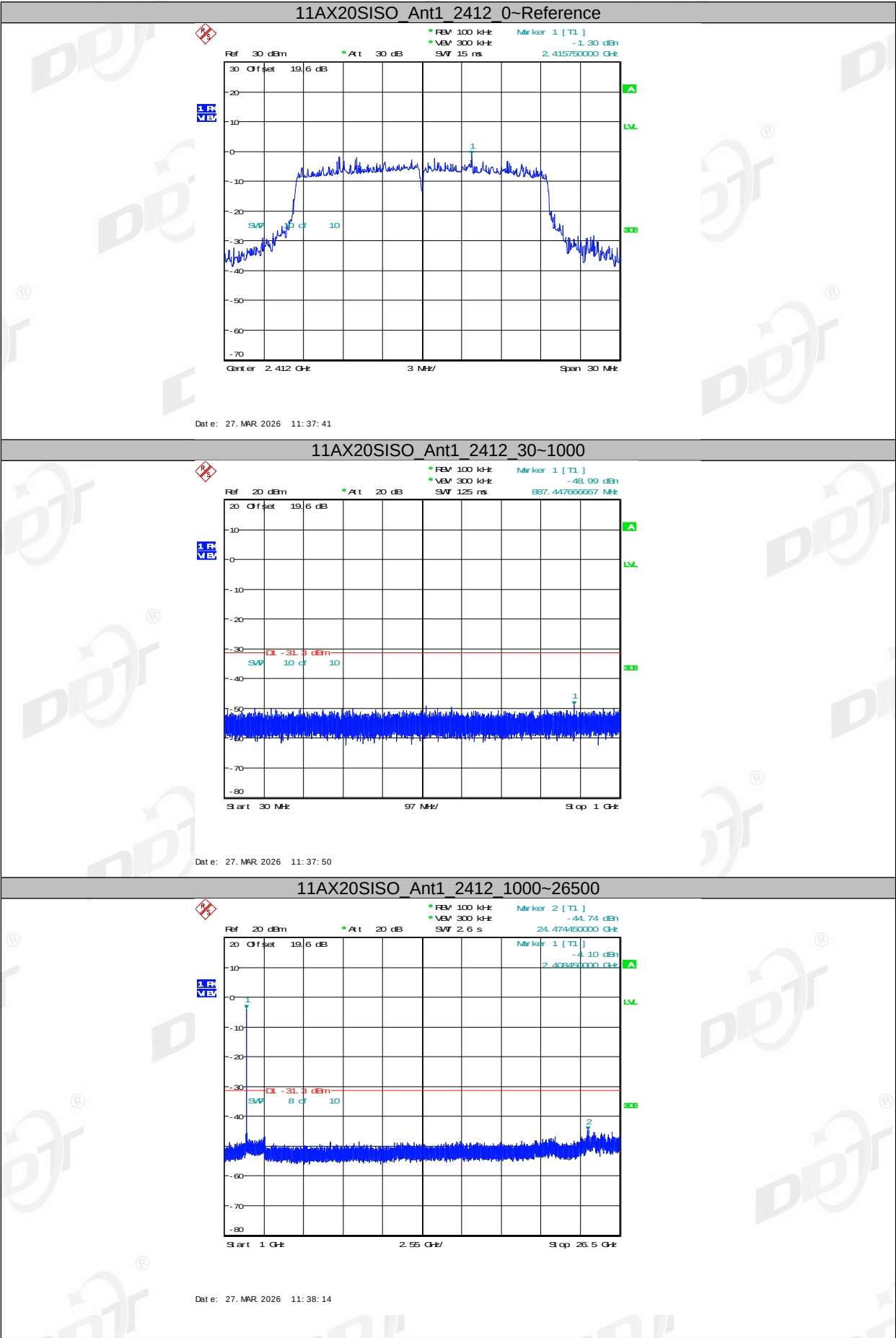
2.436500000 GHz

1 PR

VB

Start 1 GHz 2.55 GHz/ Stop 26.5 GHz

Date: 27. MAR. 2026 11:23:57



11AX20SISO_Ant1_2412_1000~26500

Ref 20 dBm

Att 20 dB

RBW 100 kHz

VBW 300 kHz

SWF 2.6 s

Marker 2 [T1]

-44.74 dBm

24.474450000 GHz

Marker 1 [T1]

-4.10 dBm

2.408450000 GHz

