



FCC AND ISED CERTIFICATION TEST REPORT

Applicant	:	Harman International Industries, Inc.
Address of Applicant	:	8500 Balboa Boulevard, Northridge, CA 91329, UNITED STATES
Manufacturer	:	Harman International Industries, Inc.
Address of Manufacturer	:	8500 Balboa Boulevard, Northridge, CA 91329, UNITED STATES
Equipment under Test	:	Multi-Channel Soundbar with wireless subwoofer
Model No.	:	BAR 700MK2, BAR 800MK2
FCC ID	:	APIBAR800MK2
IC	:	6132A-BAR800MK2
Test Standard(s)	:	FCC Rules and Regulations Part 15 Subpart C, RSS-247 Issue 3 August 2023, ANSI C63.10:2013, RSS-Gen Issue 5, Apr. 2018, Amendment 2 (February 2021)
Report No.	:	DDT-RE24111416-1E18
Issue Date	:	2025/03/12
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	:	Harman International Industries, Inc.
Address of Applicant	:	8500 Balboa Boulevard, Northridge, CA 91329, UNITED STATES
Equipment under Test	:	Multi-Channel Soundbar with wireless subwoofer
Model No.	:	BAR 700MK2, BAR 800MK2
Manufacturer	:	Harman International Industries, Inc.
Address of Manufacturer	:	8500 Balboa Boulevard, Northridge, CA 91329, UNITED STATES

Test Standard Used:

FCC Rules and Regulations Part 15 Subpart C,
RSS-247 Issue 3 August 2023,
ANSI C63.10:2013,
RSS-Gen Issue 5, Apr. 2018, Amendment 2 (February 2021)

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-RE24111416-1E18		
Date of Receipt:	2024/11/10	Date of Test:	2024/11/10-2025/02/28

Created: Jacky Huang	Reviewed: Ella Gong	Approved: Damon Hu
		
2025/03/02	2025/03/12	2025/03/12

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

Rev.	Revisions	Issue Date	Revised By
---	Initial issue	2025/03/12	

1. Summary of Test Results

No.	Test Parameter	Clause No.	Condition	Result
1	6 dB Bandwidth and 99% Bandwidth	FCC Part 15: 15.247(a)(2), RSS-247 Issue 3 clause 5.2(a), RSS-Gen Issue 5 clause 6.7	/	Pass
2	Peak Output Power	FCC Part 15: 15.247(b)(3), RSS-247 Issue 3 clause 5.4(d)	/	Pass
3	Power Spectral Density	FCC Part 15:15.247(e), RSS-247 Issue 3 clause 5.2(b)	/	Pass
4	RF Conducted Spurious Emissions	FCC Part 15: 15.247(d), RSS-247 Issue 3 clause 5.5	/	Pass
5	Radiated Emission	FCC Part 15: 15.205, FCC Part 15: 15.209, FCC Part 15: 15.247(d), RSS-247 Issue 3 clause 5.5, RSS-Gen Issue 5 clause 8.9, RSS-Gen Issue 5 clause 8.10	/	Pass
6	Band Edge Compliance	FCC Part 15: 15.205, FCC Part 15: 15.209, FCC Part 15: 15.247(d), RSS-247 Issue 3 clause 5.5, RSS-Gen Issue 5 clause 8.9, RSS-Gen Issue 5 clause 8.10	/	Pass
7	Power Line Conducted Emissions	FCC Part 15: 15.207(a), RSS-Gen Issue 5 clause 8.8	/	Pass
8	Antenna Requirement	FCC Part 15: 15.203, RSS-Gen Issue 5 clause 6.8	/	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	: Multi-Channel Soundbar with wireless subwoofer
Model Number	: BAR 700MK2, BAR 800MK2
Difference of model number	: "BAR 800MK2" and "BAR 700MK2" are just different models. The appearance, circuit design, layout, components used and internal wiring are the same, we chose the model "BAR 800MK2" as a representative model for compliance testing.
EUT Function Description	: Please reference user manual of this device
Power Supply	: AC 100-240V, 50/60Hz, 50W
Antenna Type	: Bluetooth Antenna type: PIFA WiFi Antenna type: Monopole SRD Antenna type: PCB
Max Antenna Gain (dBi)	: Bluetooth Antenna: 2.35 dBi Ant1: 2.4 GHz WiFi: 1.95 dBi 5 GHz WiFi: 5150-5250MHz: 3.69 dBi 5250-5350MHz: 3.68 dBi 5470-5725MHz: 3.45 dBi 5745-5825MHz: 3.13 dBi Ant2: 2.4 GHz WiFi: 2.18 dBi 5 GHz WiFi: 5150-5250MHz: 3.11 dBi 5250-5350MHz: 2.77 dBi 5470-5725MHz: 3.03 dBi 5745-5825MHz: 2.93 dBi 2.4GHz SRD Antenna: 2.40 dBi

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)

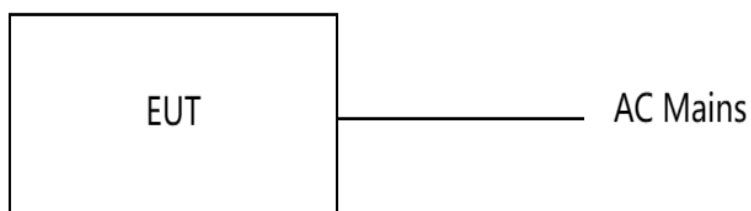
Channel information					
CH	Frequency (MHz)	CH	Frequency (MHz)	CH	Frequency (MHz)
1	2412	5	2432	9	2452
2	2417	6	2437	10	2457
3	2422	7	2442	11	2462
4	2427	8	2447	/	/

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
AC cable	Harman	N/A	Length: 195cm
HDMI cable	Harman	N/A	Length: 115cm, with two magnetic rings
Remote control	Harman	N/A	N/A

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	ANT2			
IEEE 802.11b	15	15	1	LCH: CH1	2412
	15	15	1	MCH: CH6	2437
	15	15	1	HCH: CH11	2462
IEEE 802.11g	15	15	6	LCH: CH1	2412
	15	15	6	MCH: CH6	2437
	15	15	6	HCH: CH11	2462
IEEE 802.11n HT20	11	11	MCS 8	LCH: CH1	2412
	11	11	MCS 8	MCH: CH6	2437
	11	11	MCS 8	HCH: CH11	2462
IEEE 802.11n HT40	11	11	MCS 8	LCH: CH3	2422
	11	11	MCS 8	MCH: CH6	2437
	11	11	MCS 8	HCH: CH9	2452
IEEE 802.11ax HE20	SU: 11, RU: 11	SU: 11, RU: 11	MCS 0	LCH: CH1	2412
	SU: 11, RU: 11	SU: 11, RU: 11	MCS 0	MCH: CH6	2437
	SU: 11, RU: 11	SU: 11, RU: 11	MCS 0	HCH: CH11	2462
IEEE 802.11ax HE40	SU: 9, RU: 9	SU: 9, RU: 9	MCS 0	LCH: CH3	2422
	SU: 9, RU: 9	SU: 9, RU: 9	MCS 0	MCH: CH6	2437
	SU: 9, RU: 9	SU: 9, RU: 9	MCS 0	HCH: CH9	2452
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 to 106 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

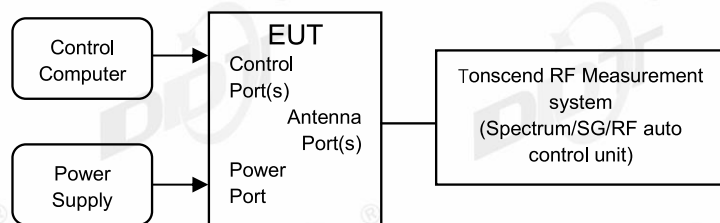
Test Item	Uncertainty
Bandwidth	1.1%
Peak Output Power (Conducted) (Spectrum analyzer)	0.86 dB ($10 \text{ MHz} \leq f < 3.6 \text{ GHz}$);
	1.38 dB ($3.6 \text{ GHz} \leq f < 8 \text{ GHz}$)
Peak Output Power (Conducted) (Power Sensor)	0.74 dB
Power Spectral Density	0.74 dB ($10 \text{ MHz} \leq f < 3.6 \text{ GHz}$);
	1.38 dB ($3.6 \text{ GHz} \leq f < 8 \text{ GHz}$)
Frequencies Stability	6.7×10^{-8} (Antenna couple method)
	5.5×10^{-8} (Conducted method)
Conducted spurious emissions	0.86 dB ($10 \text{ MHz} \leq f < 3.6 \text{ GHz}$);
	1.40 dB ($3.6 \text{ GHz} \leq f < 8 \text{ GHz}$)
	1.66 dB ($8 \text{ GHz} \leq f < 26.5 \text{ GHz}$)
Uncertainty for radio frequency (RBW < 20 kHz)	3×10^{-8}
Temperature	0.4 °C
Humidity	2 %
Uncertainty for Radiation Emission test (9 kHz – 30 MHz)	3.44 dB
Uncertainty for Radiation Emission test (30 MHz - 1 GHz)	4.70 dB (Antenna Polarize: V)
	4.84 dB (Antenna Polarize: H)
Uncertainty for Radiation Emission test (1 GHz - 40 GHz)	4.10 dB (1 - 6 GHz)
	4.40 dB (6 GHz - 18 GHz)
	3.54 dB (18 GHz - 26 GHz)
	4.30 dB (26 GHz - 40 GHz)
Uncertainty for Power line conduction emission test	3.34dB (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 4#)					
Signal &Spectrum Analyzer	R&S	FSV3044	101173	2025/03/31	1 Year
Wideband Radio Communication Tester	R&S	CMW500	168801	2025/03/31	1 Year
MXG Vector Signal Generator	Agilent	N5182A	MY48180737	2025/03/31	1 Year
PSG Vector Signal Generator	Agilent	E8267D	US49060192	2025/08/25	1 Year
RF Control Unit	Tonsend	JS0806-2	2118060485	2025/03/31	1 Year
TEMP&HUMI Programmable Chamber	ZHIXIANG	ZXGDJS-150L	ZX170110-A	2025/04/22	1 Year
Test Software	Tonscend	JS1120-3	Ver.3.2.22	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 C63.10-2013 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:

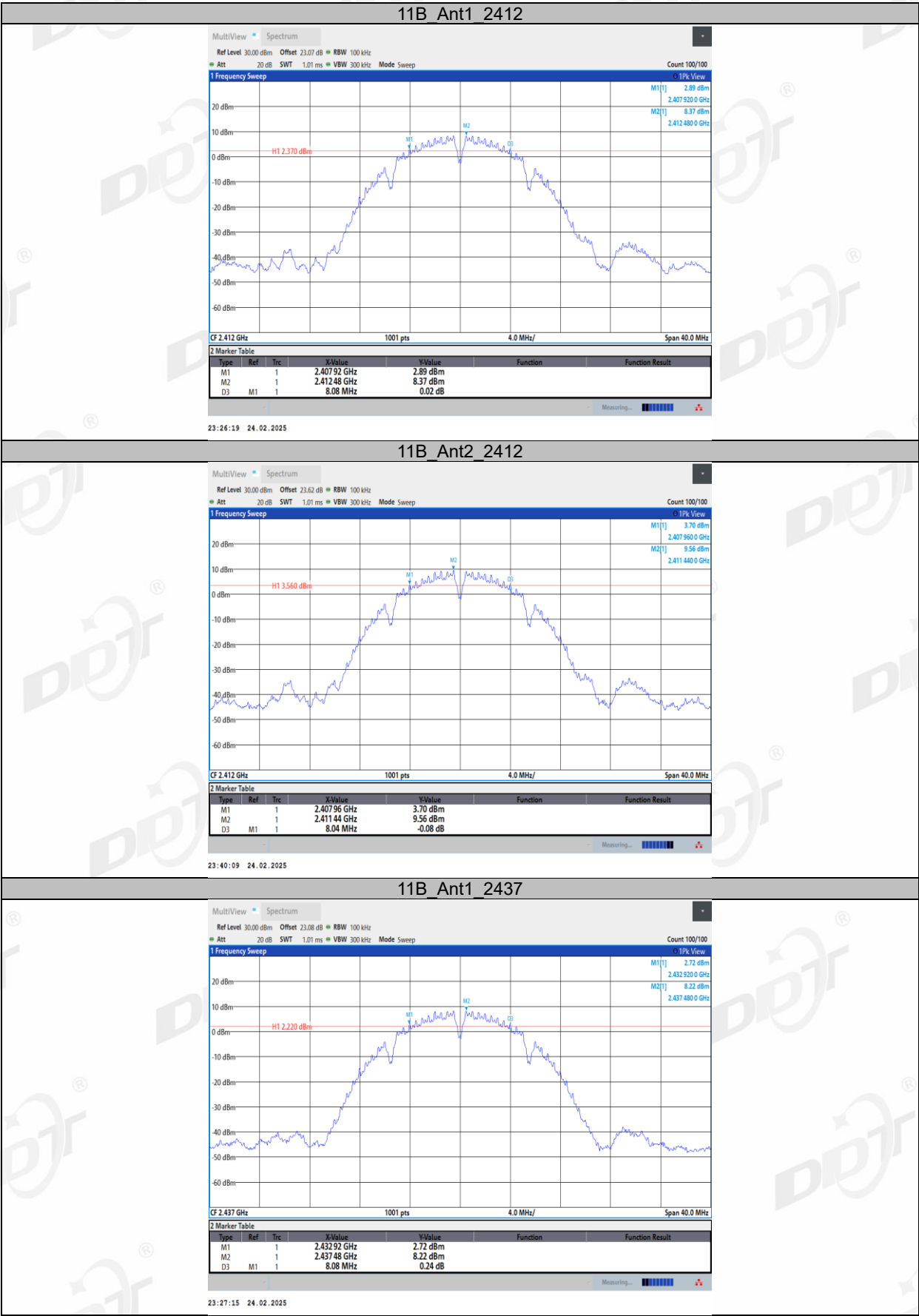
RBW:	100 kHz
VBW:	$\geq [3 \times \text{RBW}]$
Detector Mode:	peak
Sweep time:	auto
Trace mode	max hold
- (5) Allow the trace to stabilize, measure the 6 dB bandwidth of signal, and record the results in the report.

4.4. Test result

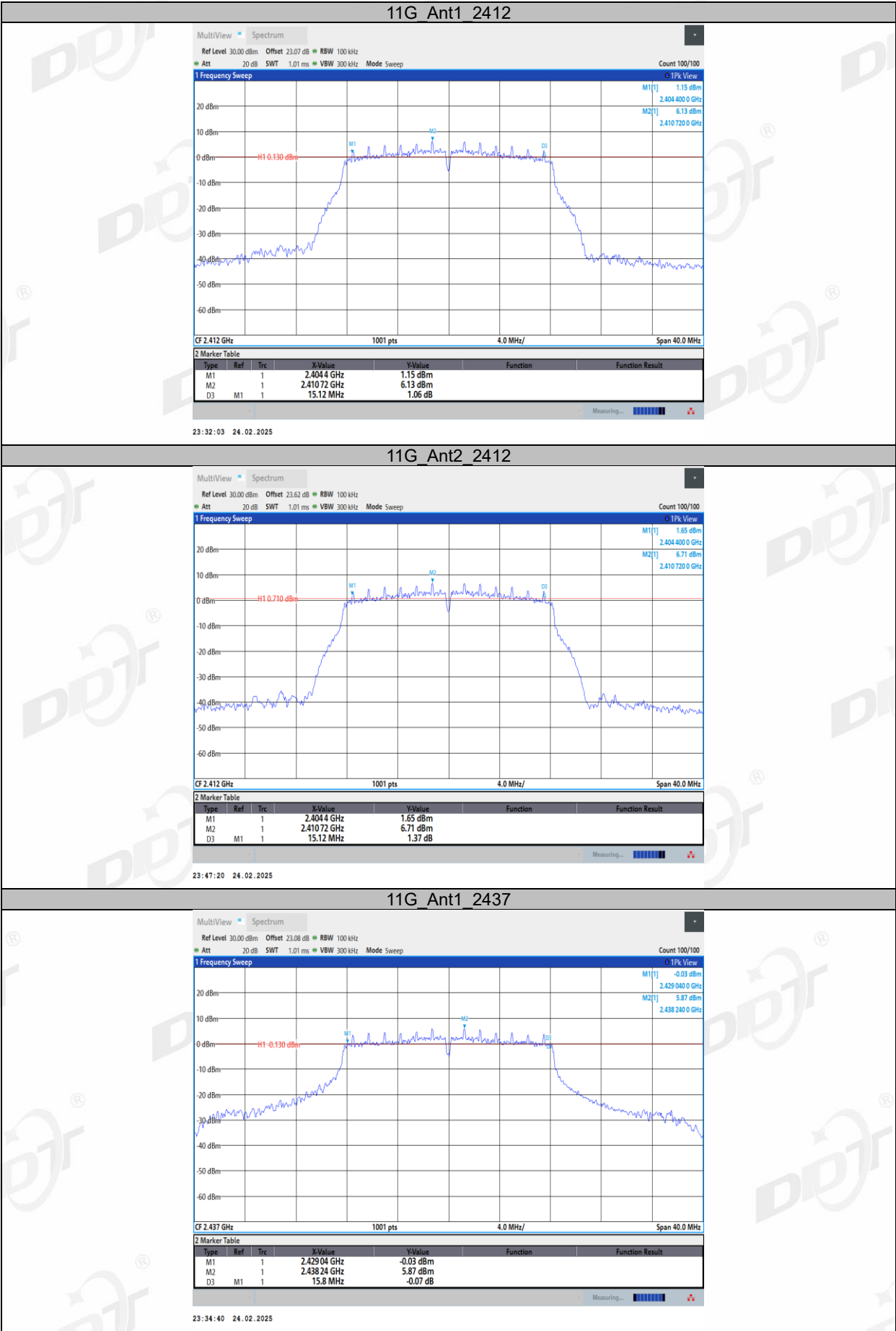
Test Engineer:	Haofeng	Test Site:	RF Measurement System 4#
Ambient Condition:	23.8℃, 40.6%RH	Test Date:	2025.01.04~2025.01.11/2025.02.24~2025.02.25
Test Power Supply:	AC 230V/50Hz	Sample Number:	S24111416-014

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11B	Ant1	2412	8.08	2407.92	2416.00	0.5	PASS
	Ant2	2412	8.04	2407.96	2416.00	0.5	PASS
	Ant1	2437	8.08	2432.92	2441.00	0.5	PASS
	Ant2	2437	8.08	2432.92	2441.00	0.5	PASS
	Ant1	2462	8.08	2457.92	2466.00	0.5	PASS
	Ant2	2462	8.08	2457.92	2466.00	0.5	PASS
11G	Ant1	2412	15.12	2404.40	2419.52	0.5	PASS
	Ant2	2412	15.12	2404.40	2419.52	0.5	PASS
	Ant1	2437	15.80	2429.04	2444.84	0.5	PASS
	Ant2	2437	15.48	2429.08	2444.56	0.5	PASS
	Ant1	2462	15.48	2454.08	2469.56	0.5	PASS
	Ant2	2462	15.80	2454.04	2469.84	0.5	PASS
11N20MIMO	Ant1	2412	15.12	2404.40	2419.52	0.5	PASS
	Ant2	2412	15.12	2404.40	2419.52	0.5	PASS
	Ant1	2437	16.52	2428.84	2445.36	0.5	PASS
	Ant2	2437	16.92	2428.20	2445.12	0.5	PASS
	Ant1	2462	16.52	2453.84	2470.36	0.5	PASS
	Ant2	2462	16.92	2453.20	2470.12	0.5	PASS
11N40MIMO	Ant1	2422	35.12	2404.48	2439.60	0.5	PASS
	Ant2	2422	35.12	2404.48	2439.60	0.5	PASS
	Ant1	2437	35.12	2419.48	2454.60	0.5	PASS
	Ant2	2437	35.04	2419.48	2454.52	0.5	PASS
	Ant1	2452	35.12	2434.48	2469.60	0.5	PASS
	Ant2	2452	35.04	2434.48	2469.52	0.5	PASS
11AX20MIMO	Ant1	2412	18.44	2402.72	2421.16	0.5	PASS
	Ant2	2412	18.40	2402.92	2421.32	0.5	PASS
	Ant1	2437	18.76	2427.52	2446.28	0.5	PASS
	Ant2	2437	18.40	2427.60	2446.00	0.5	PASS
	Ant1	2462	18.64	2452.60	2471.24	0.5	PASS
	Ant2	2462	18.80	2452.52	2471.32	0.5	PASS
11AX40MIMO	Ant1	2422	37.04	2403.52	2440.56	0.5	PASS
	Ant2	2422	37.20	2403.60	2440.80	0.5	PASS
	Ant1	2437	37.52	2418.36	2455.88	0.5	PASS
	Ant2	2437	35.60	2419.00	2454.60	0.5	PASS
	Ant1	2452	37.36	2433.36	2470.72	0.5	PASS
	Ant2	2452	36.00	2433.60	2469.60	0.5	PASS

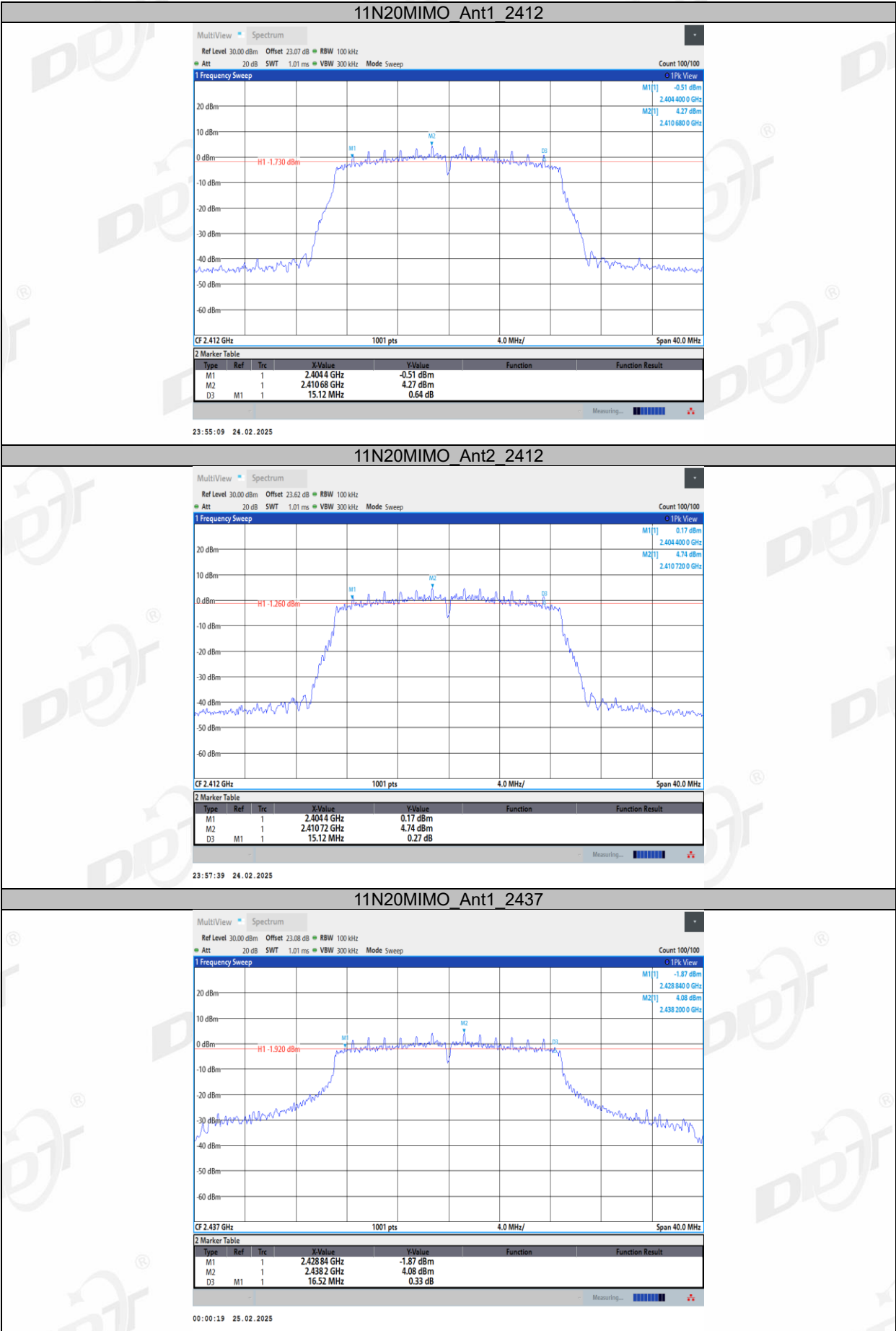
4.5. Test graphs

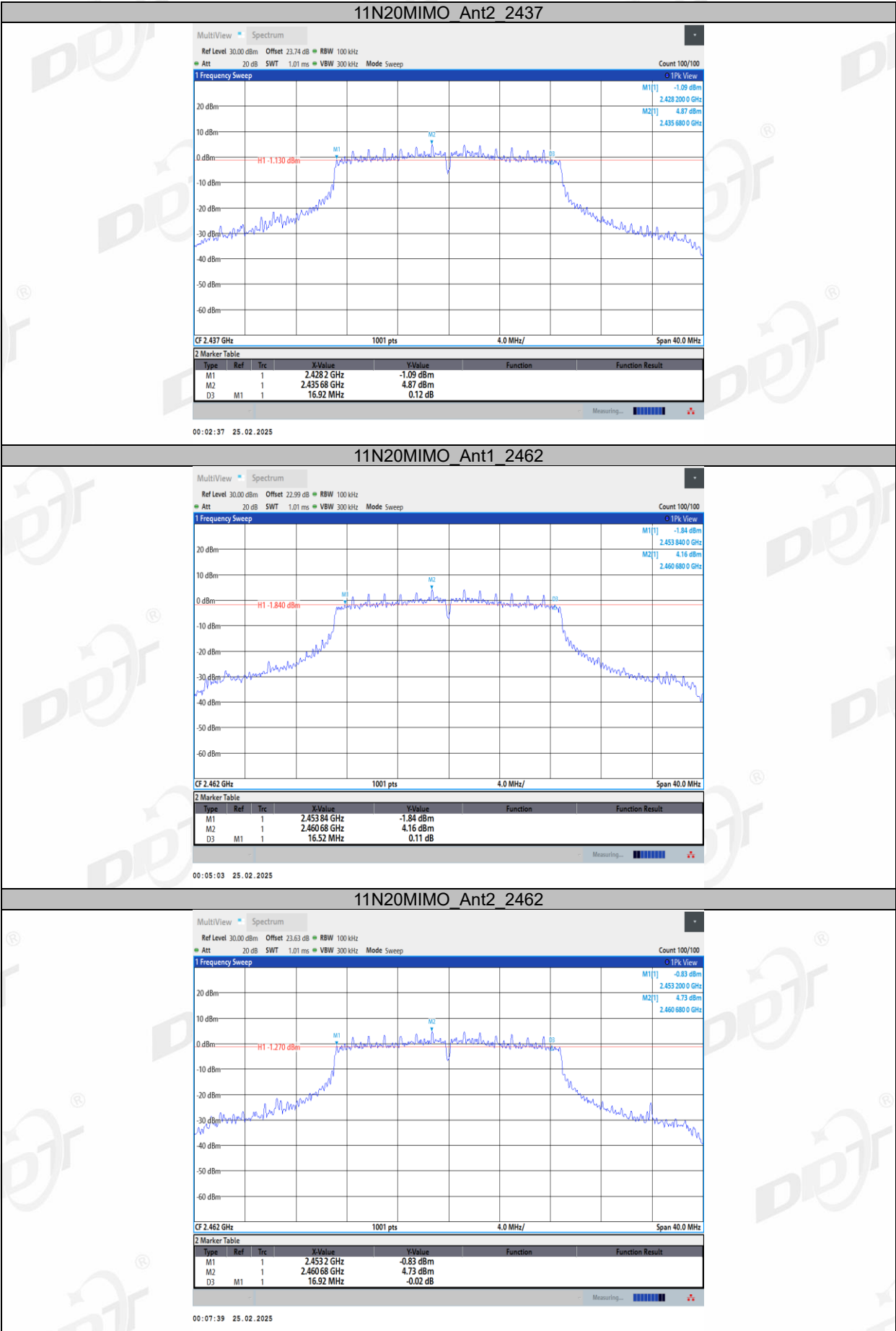


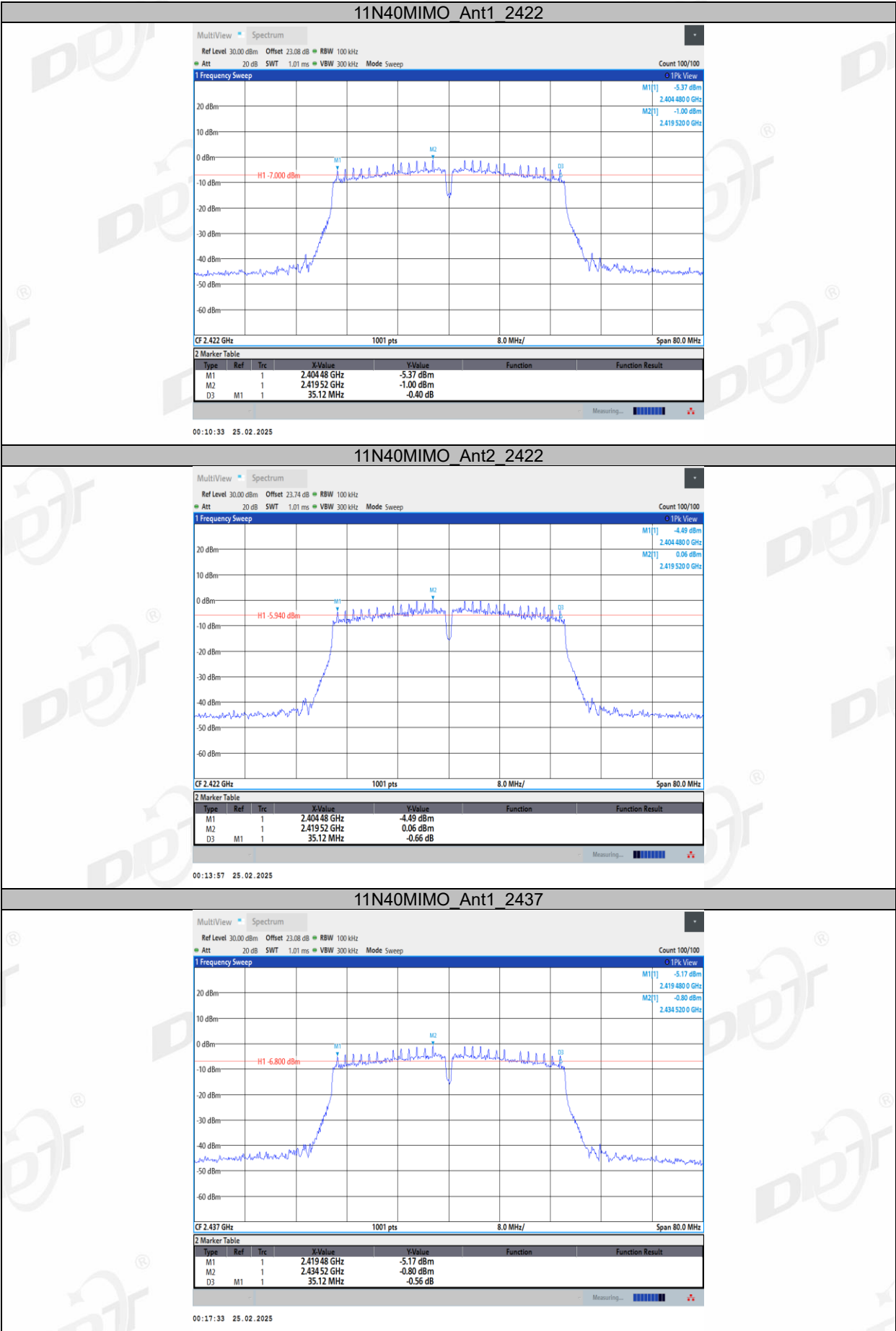


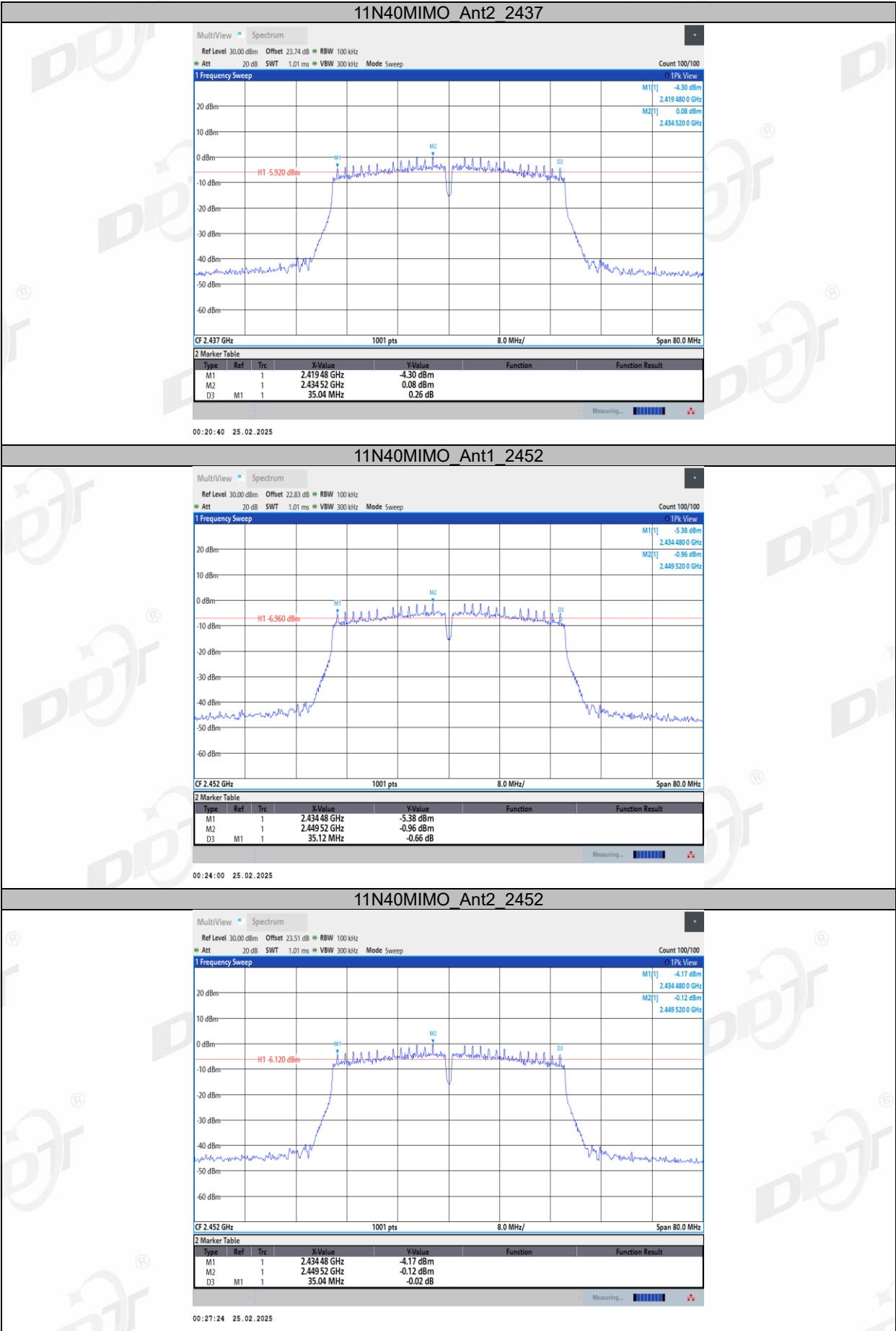




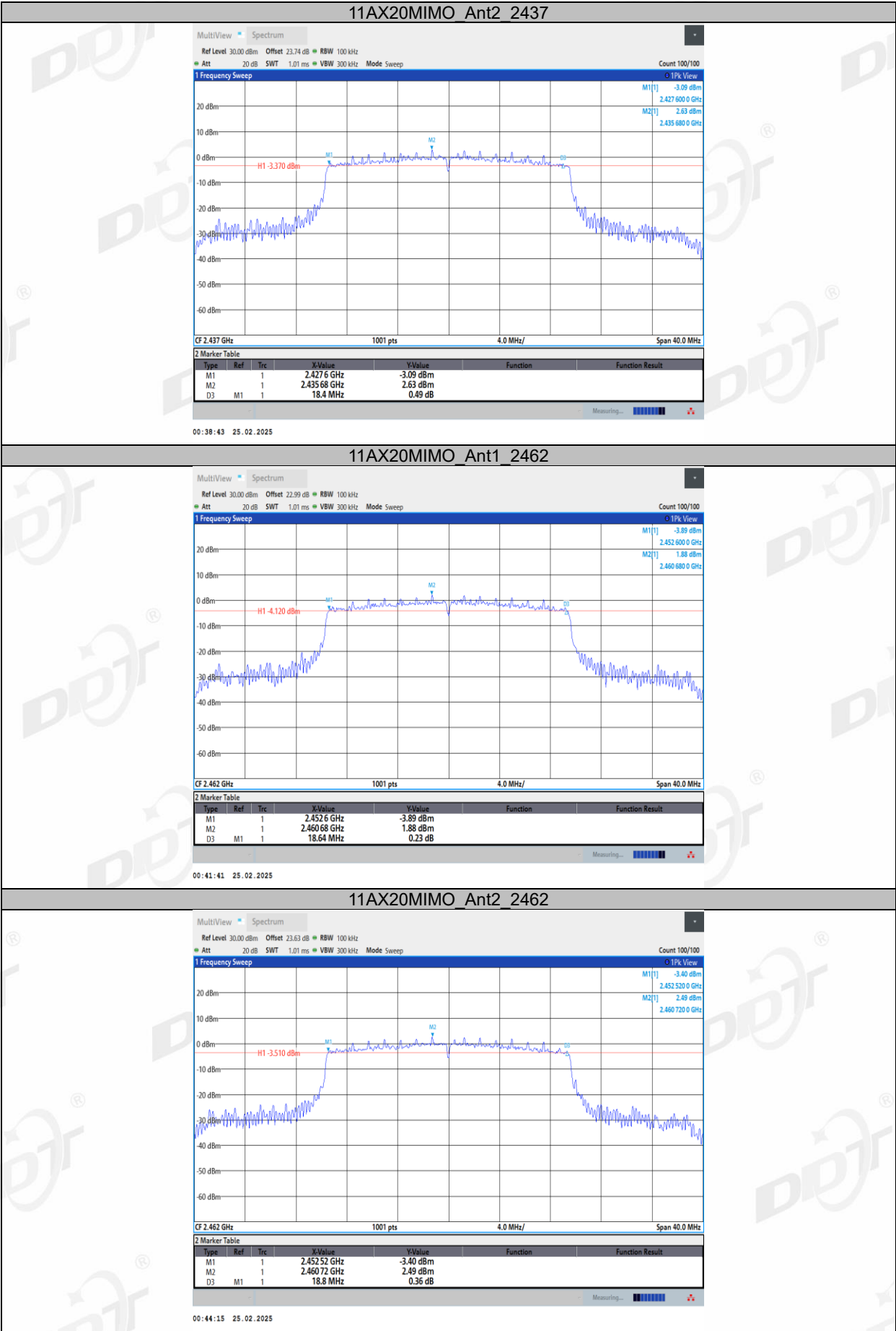


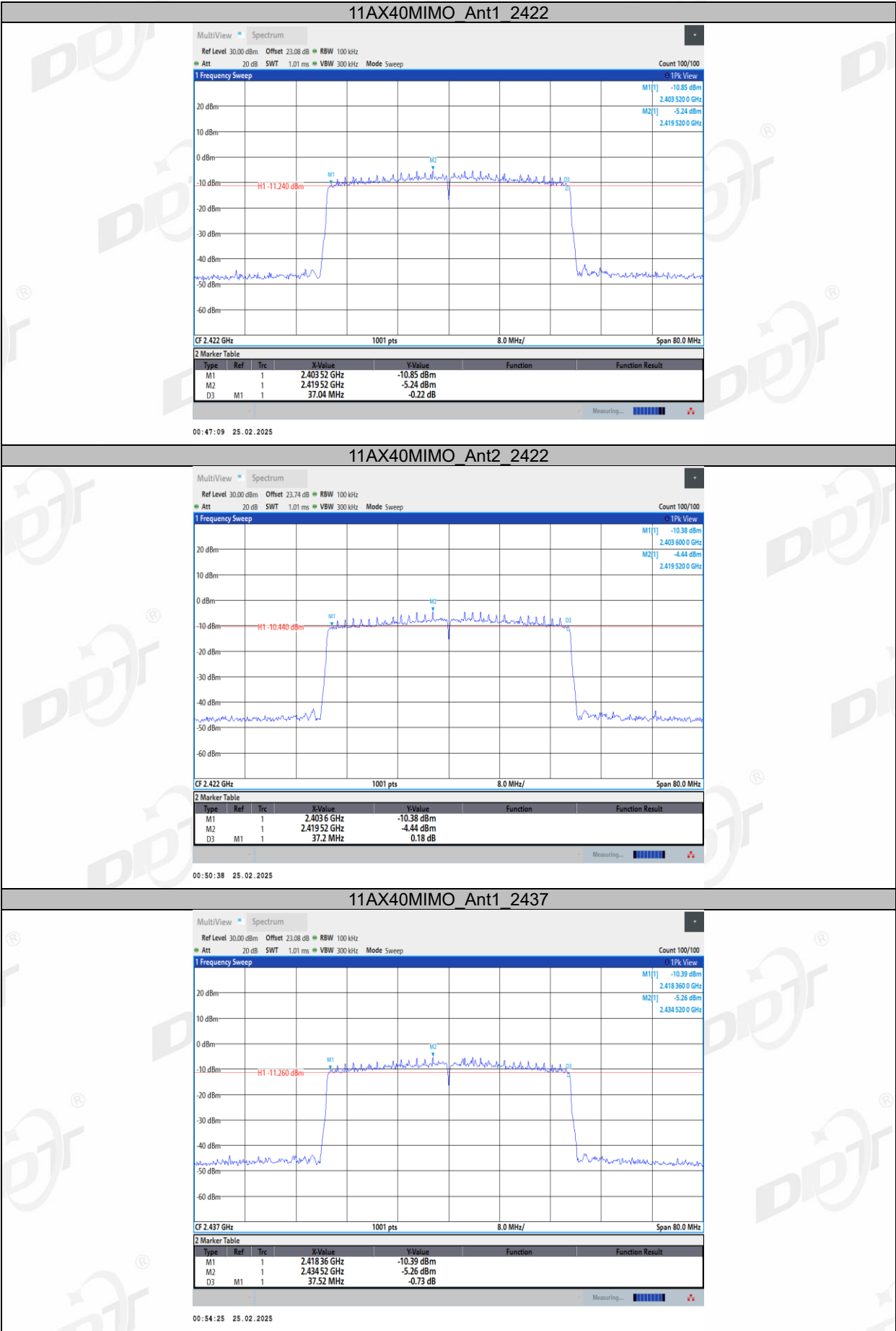


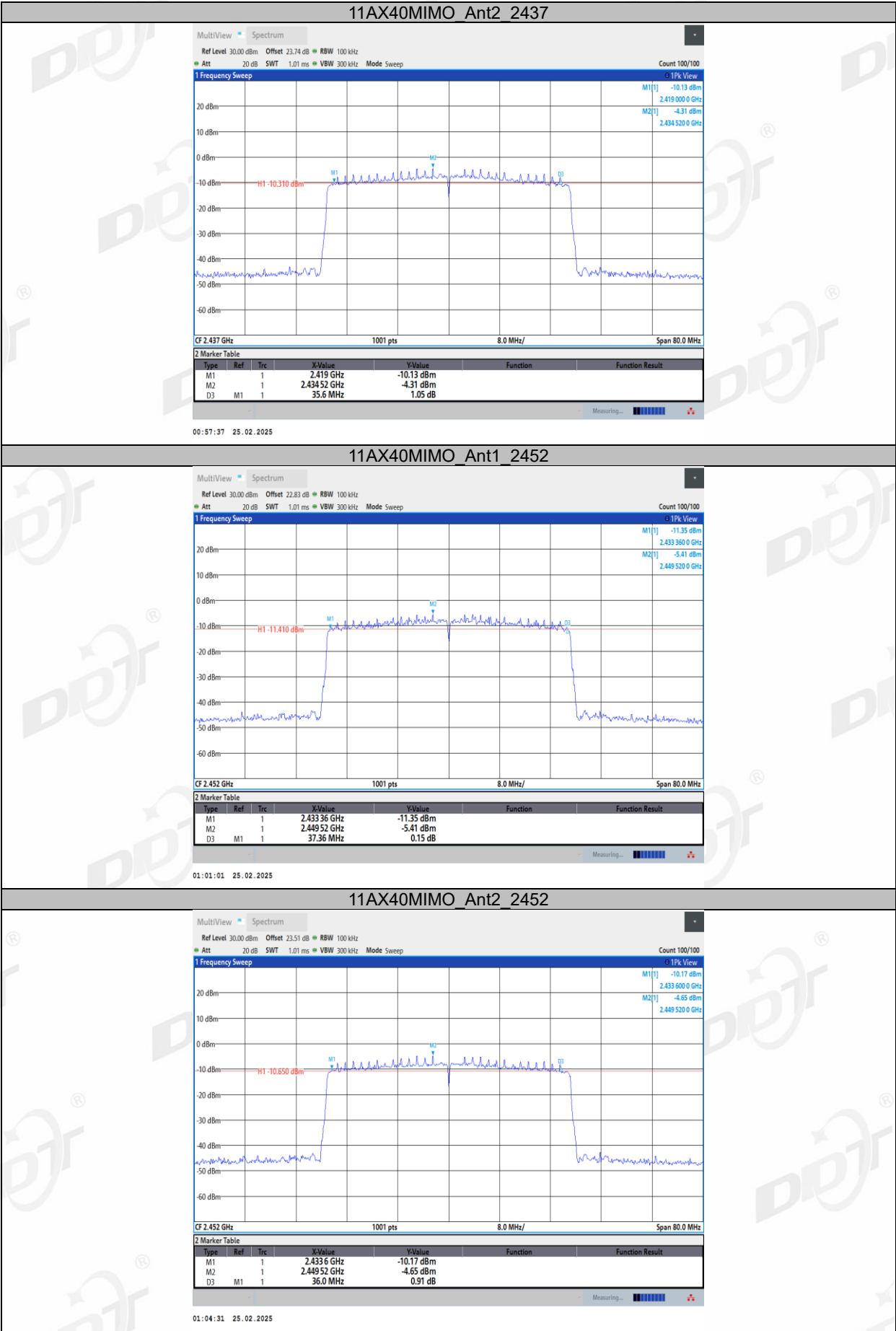






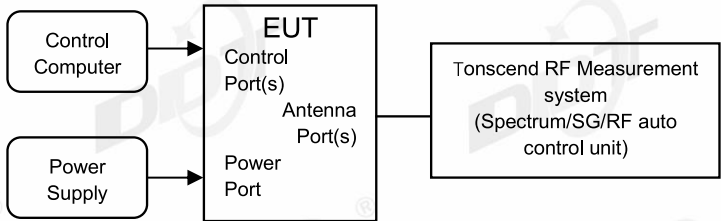






5. 99% Bandwidth

5.1. Block diagram of test setup



5.2. Limits

Just for Report.

5.3. Test procedure

- (1) The test according to ANSI C63.10-2013 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:

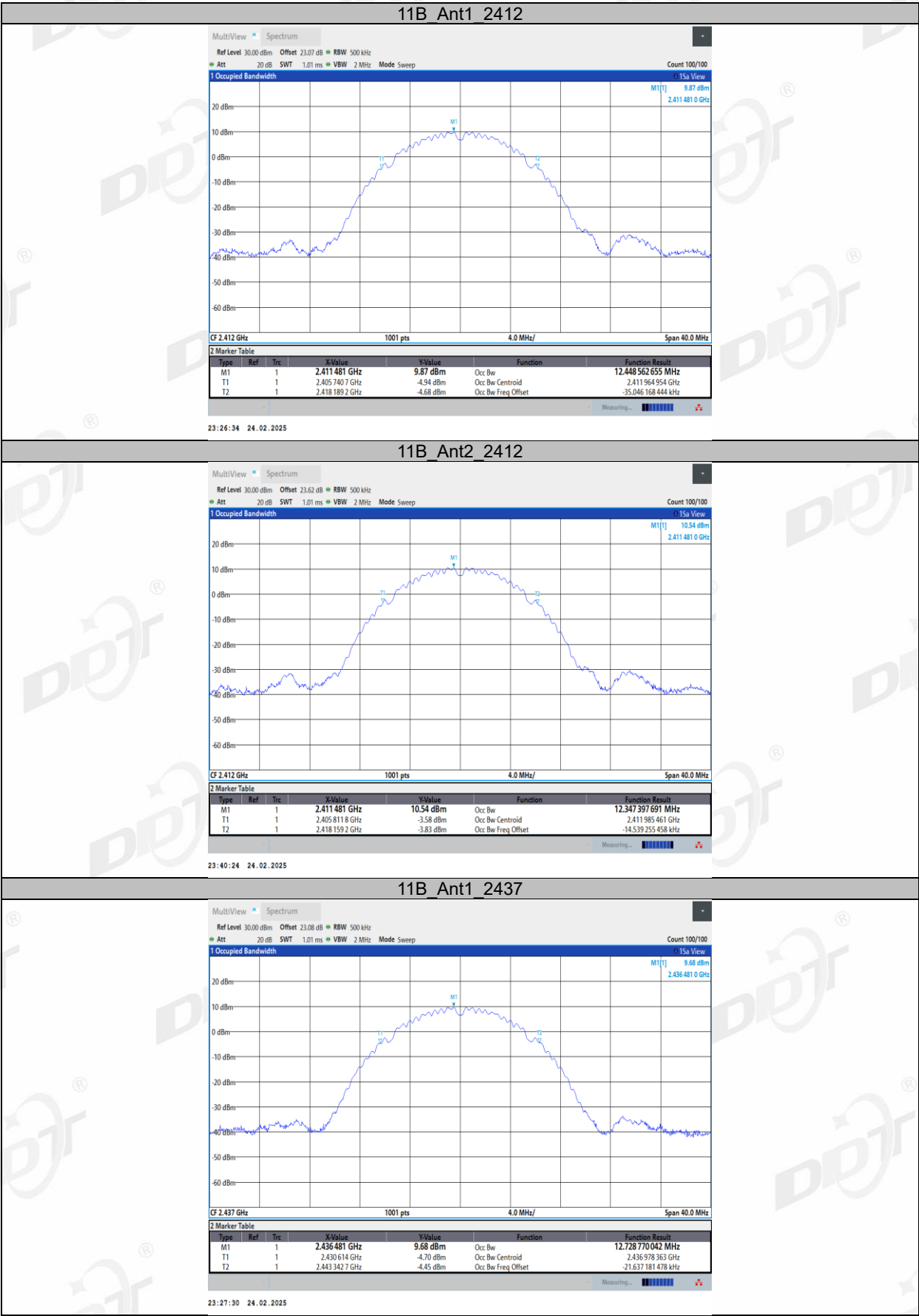
RBW:	1% to 5% of the OBW
VBW:	approximately three times RBW
Span:	between 1.5 times and 5.0 times the OBW
Detector Mode:	peak
Sweep time:	auto
Trace mode	max hold
- (5) Allow the trace to stabilize, measure the 99% bandwidth of signal, and record the results in the report.

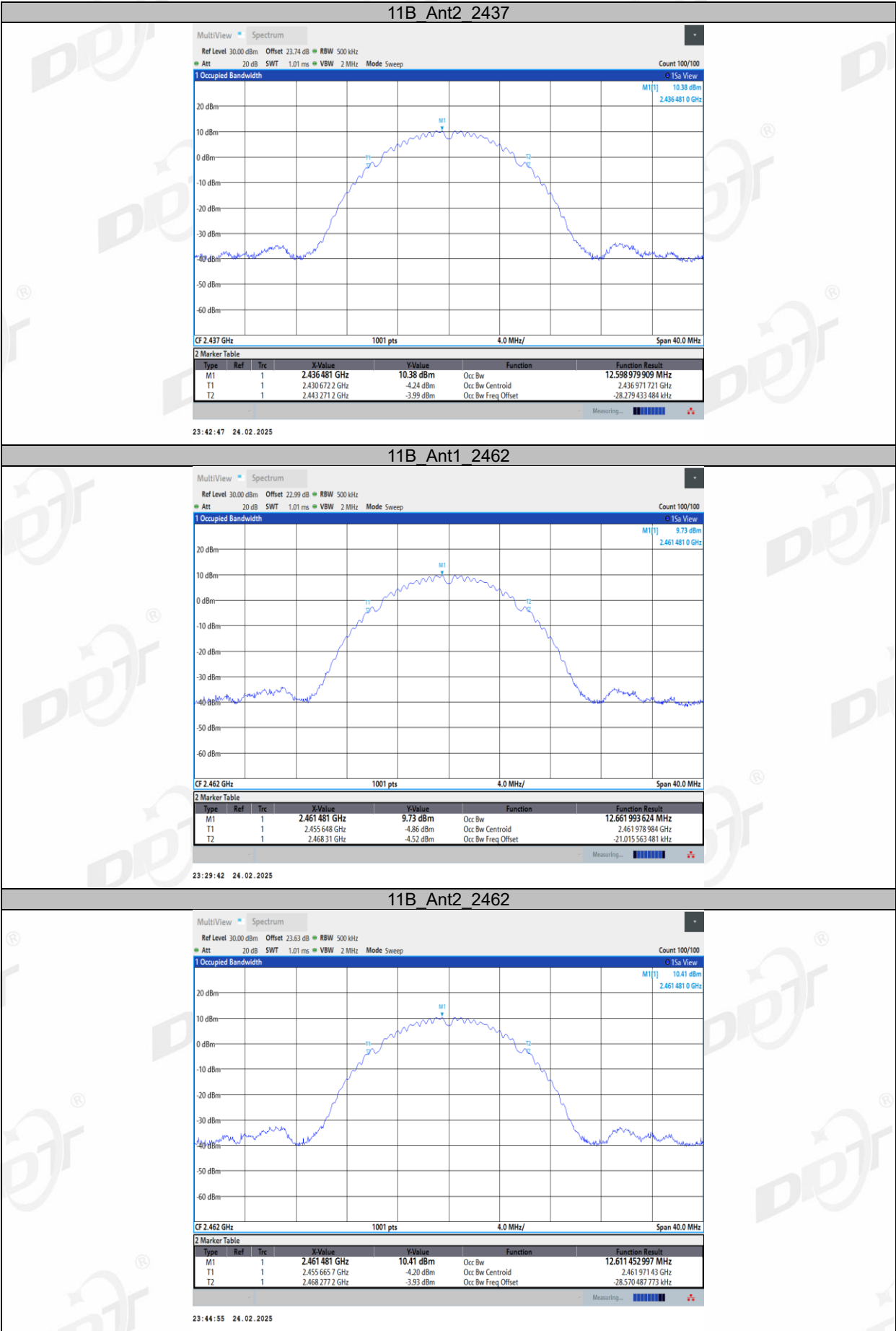
5.4. Test result

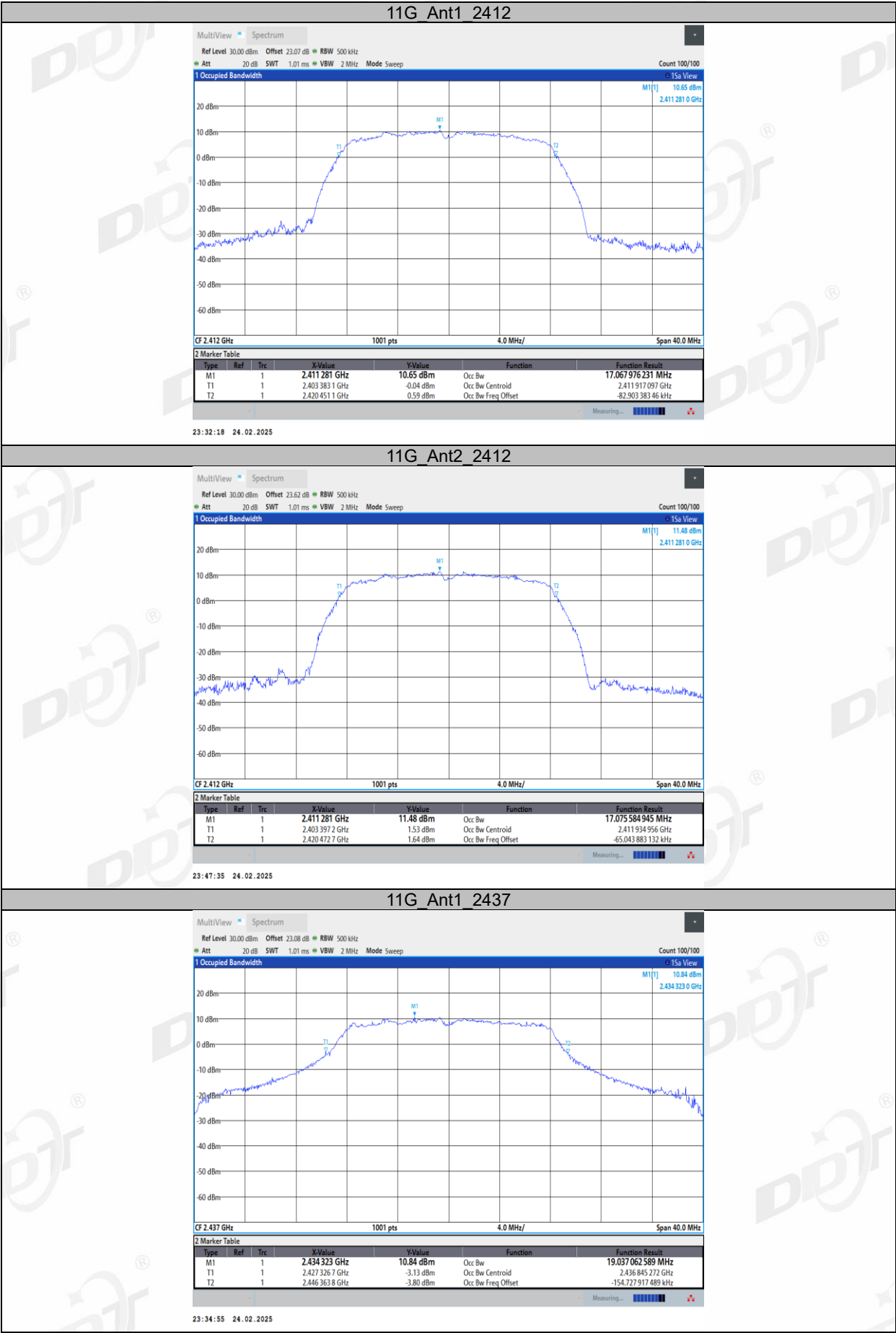
Test Engineer:	Haofeng	Test Site:	RF Measurement System 4#
Ambient Condition:	23.8℃, 40.6%RH	Test Date:	2025.01.04~2025.01.11/2025.02.24~2025.02.25
Test Power Supply:	AC 230V/50Hz	Sample Number:	S24111416-014

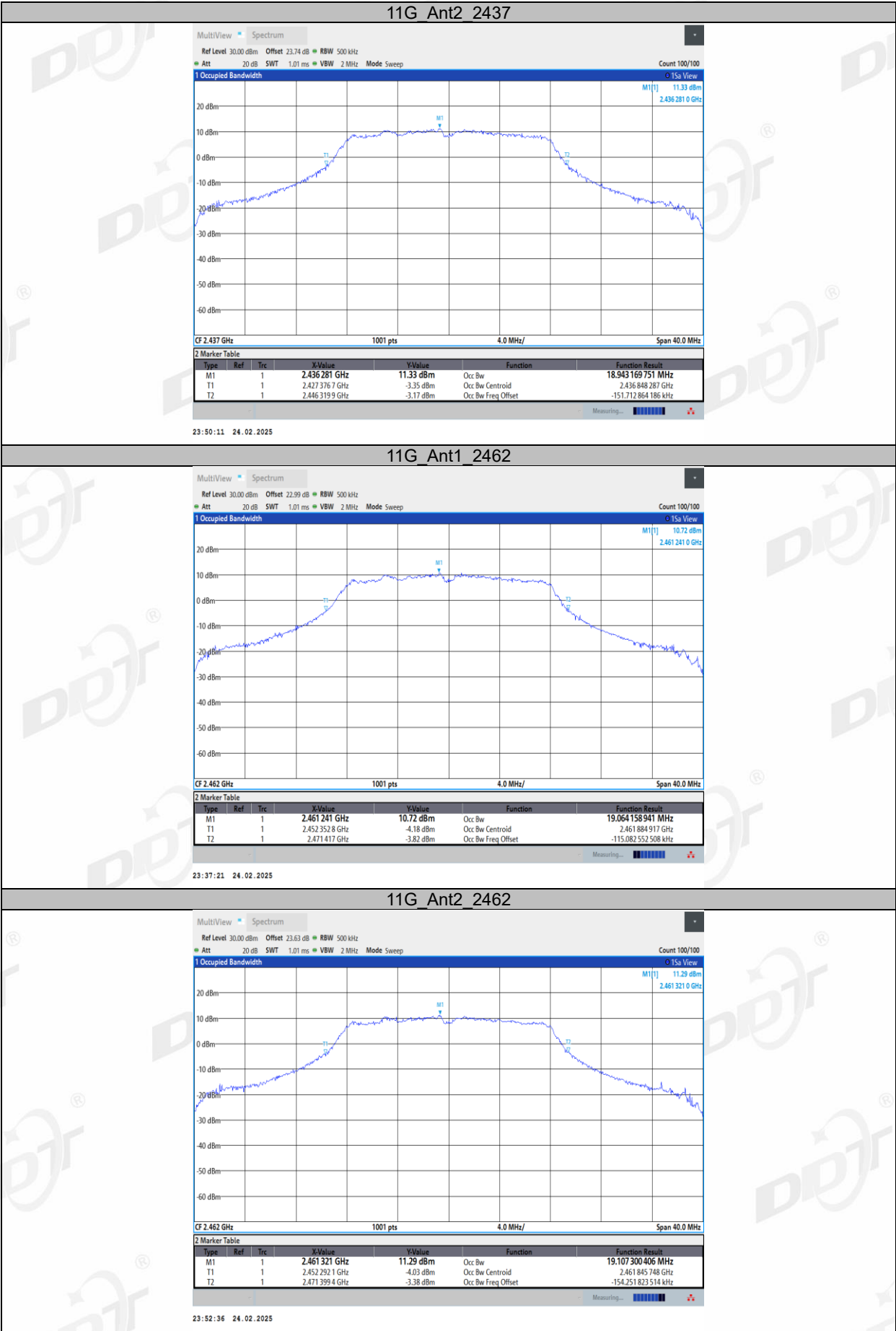
Test Mode	Antenna	Channel Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11B	Ant1	2412	12.449	2405.7407	2418.1892	---	---
	Ant2	2412	12.347	2405.8118	2418.1592	---	---
	Ant1	2437	12.729	2430.6140	2443.3427	---	---
	Ant2	2437	12.599	2430.6722	2443.2712	---	---
	Ant1	2462	12.662	2455.6480	2468.3100	---	---
	Ant2	2462	12.611	2455.6657	2468.2772	---	---
11G	Ant1	2412	17.068	2403.3831	2420.4511	---	---
	Ant2	2412	17.076	2403.3972	2420.4727	---	---
	Ant1	2437	19.037	2427.3267	2446.3638	---	---
	Ant2	2437	18.943	2427.3767	2446.3199	---	---
	Ant1	2462	19.064	2452.3528	2471.4170	---	---
	Ant2	2462	19.107	2452.2921	2471.3994	---	---
11N20MIMO	Ant1	2412	17.898	2402.9958	2420.8940	---	---
	Ant2	2412	17.659	2403.1256	2420.7843	---	---
	Ant1	2437	19.918	2426.9860	2446.9035	---	---
	Ant2	2437	18.455	2427.6138	2446.0685	---	---
	Ant1	2462	19.904	2451.9983	2471.9025	---	---
	Ant2	2462	18.49	2452.6022	2471.0927	---	---
11N40MIMO	Ant1	2422	36.149	2403.9104	2440.0595	---	---
	Ant2	2422	36.219	2403.8751	2440.0939	---	---
	Ant1	2437	36.187	2418.8805	2455.0671	---	---
	Ant2	2437	36.167	2418.8494	2455.0167	---	---
	Ant1	2452	36.16	2433.8882	2470.0485	---	---
	Ant2	2452	36.245	2433.7900	2470.0345	---	---
11AX20MIMO	Ant1	2412	18.85	2402.5529	2421.4030	---	---
	Ant2	2412	18.872	2402.5529	2421.4252	---	---
	Ant1	2437	19.255	2427.3376	2446.5922	---	---
	Ant2	2437	19.238	2427.3617	2446.5998	---	---
	Ant1	2462	19.264	2452.3224	2471.5860	---	---
	Ant2	2462	19.25	2452.3438	2471.5942	---	---
11AX40MIMO	Ant1	2422	37.768	2403.0984	2440.8667	---	---
	Ant2	2422	37.791	2403.1005	2440.8913	---	---
	Ant1	2437	37.781	2418.0630	2455.8439	---	---
	Ant2	2437	37.767	2418.0564	2455.8236	---	---
	Ant1	2452	37.803	2433.0614	2470.8649	---	---
	Ant2	2452	37.777	2433.0605	2470.8371	---	---

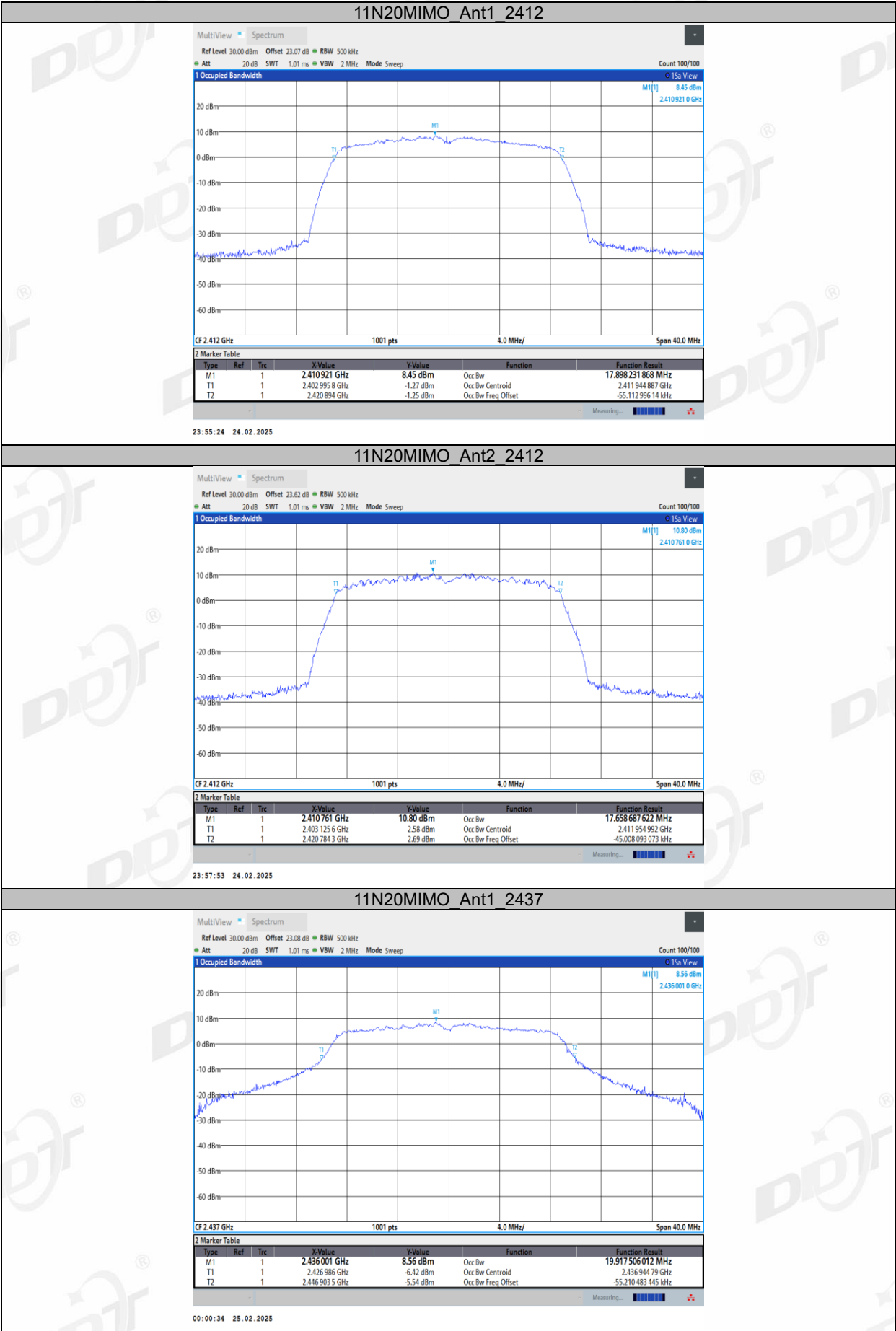
5.5. Test graphs

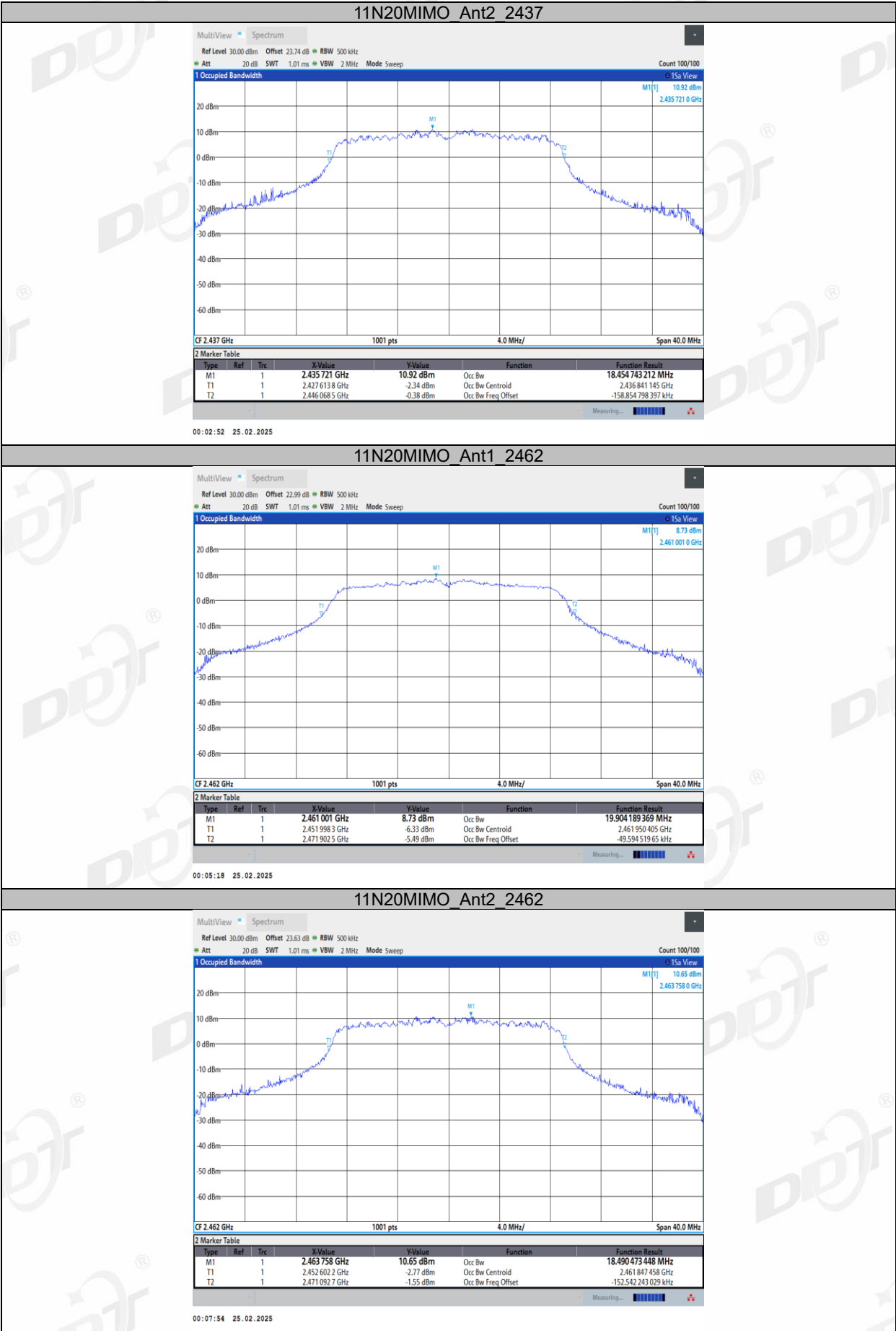


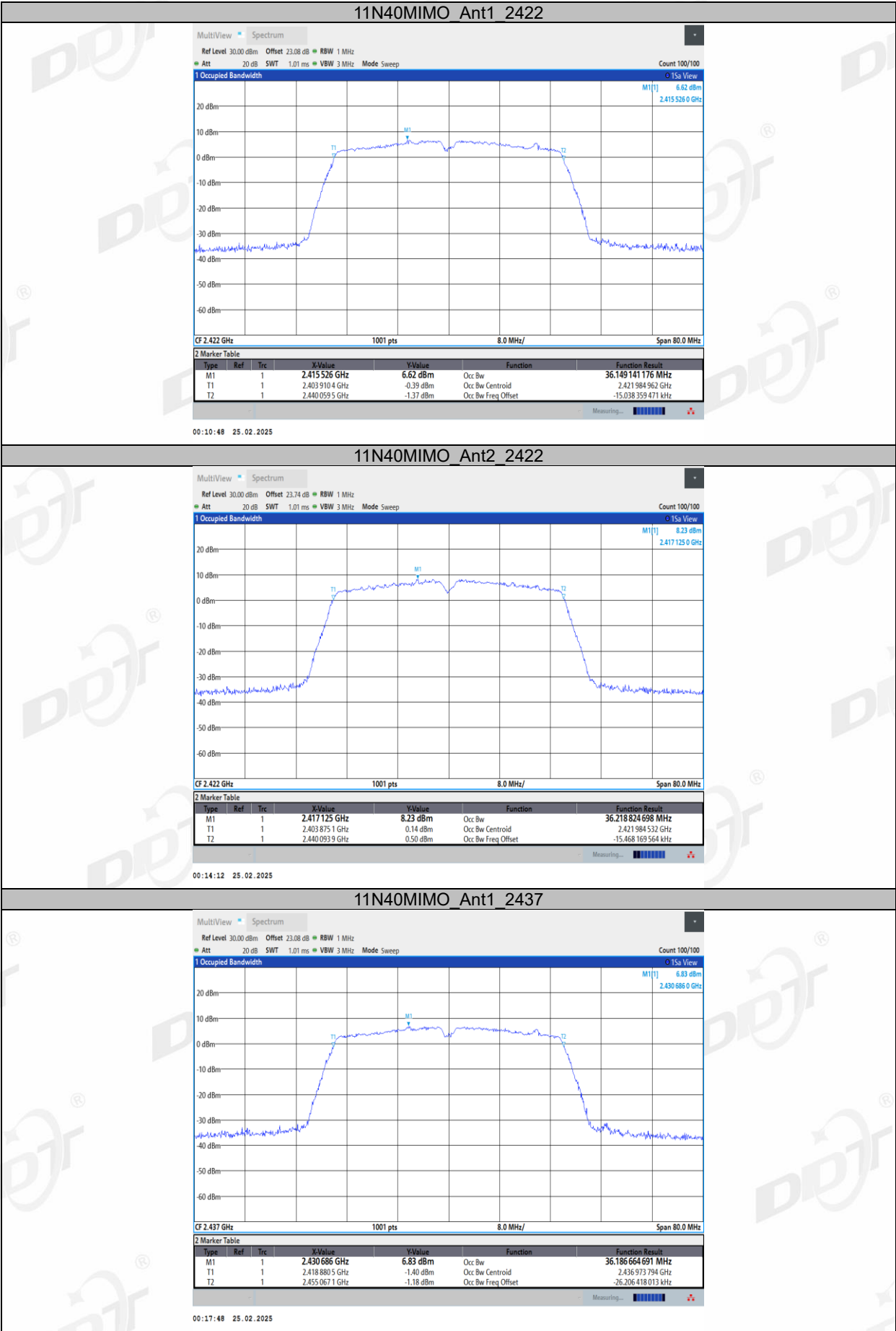


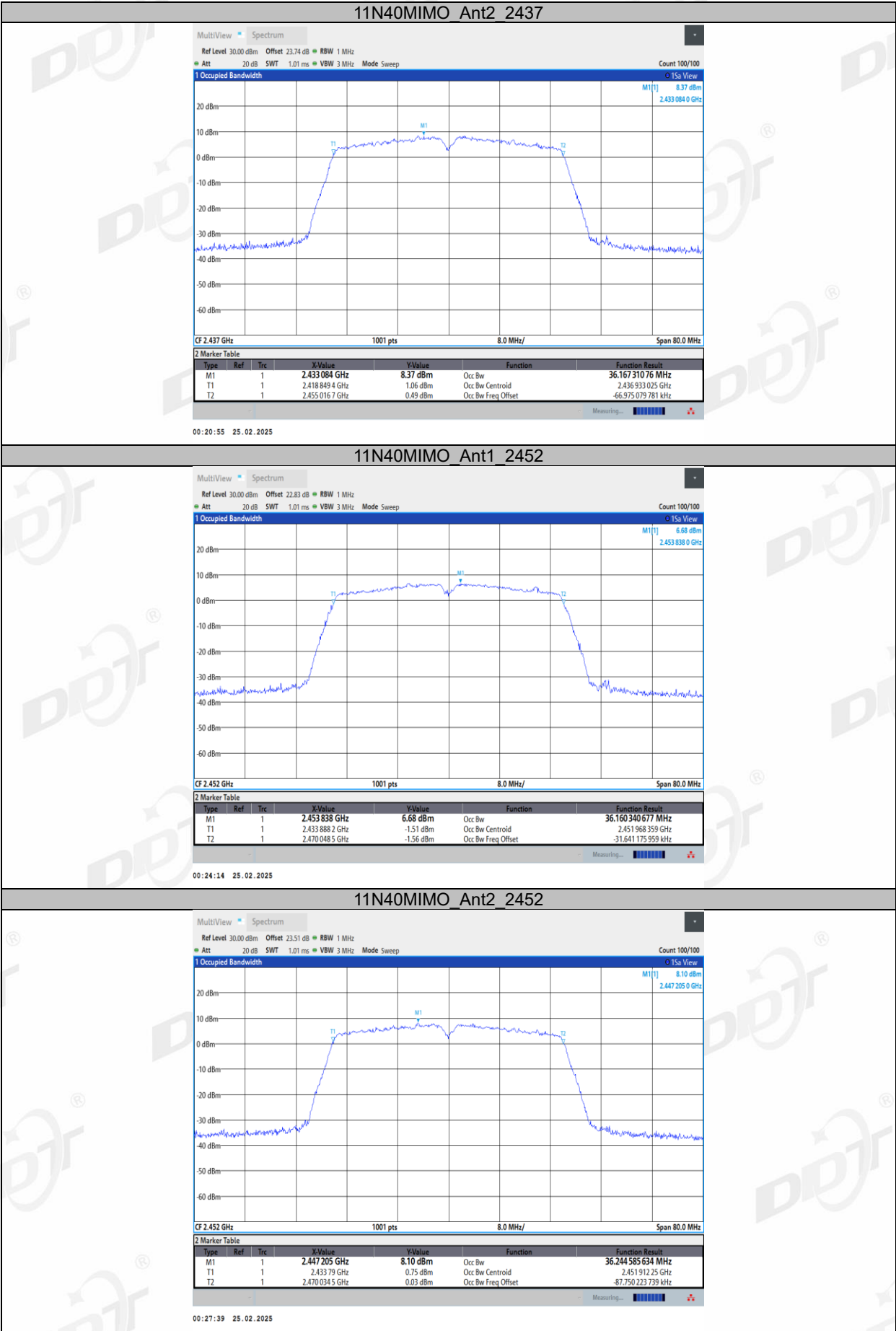


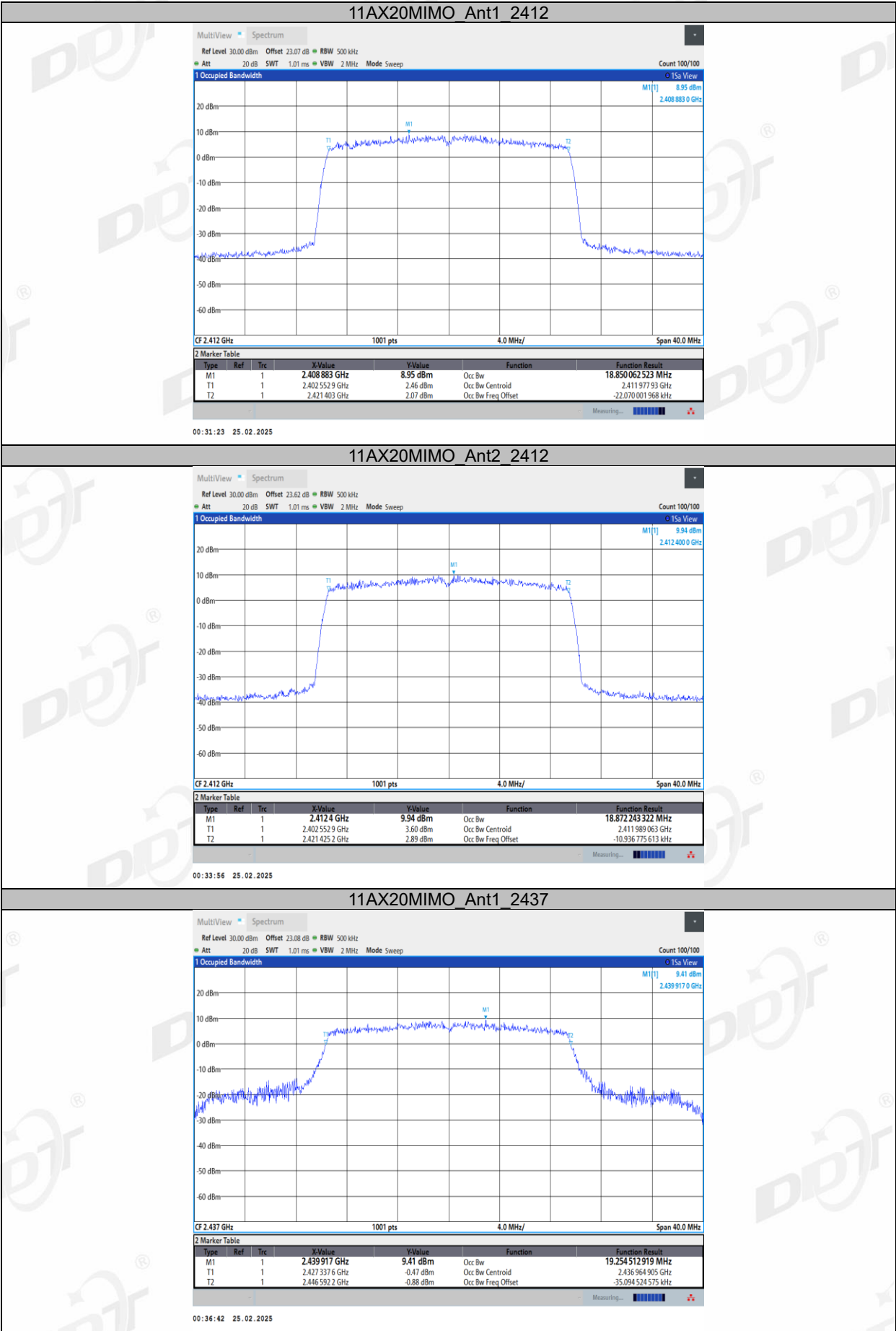


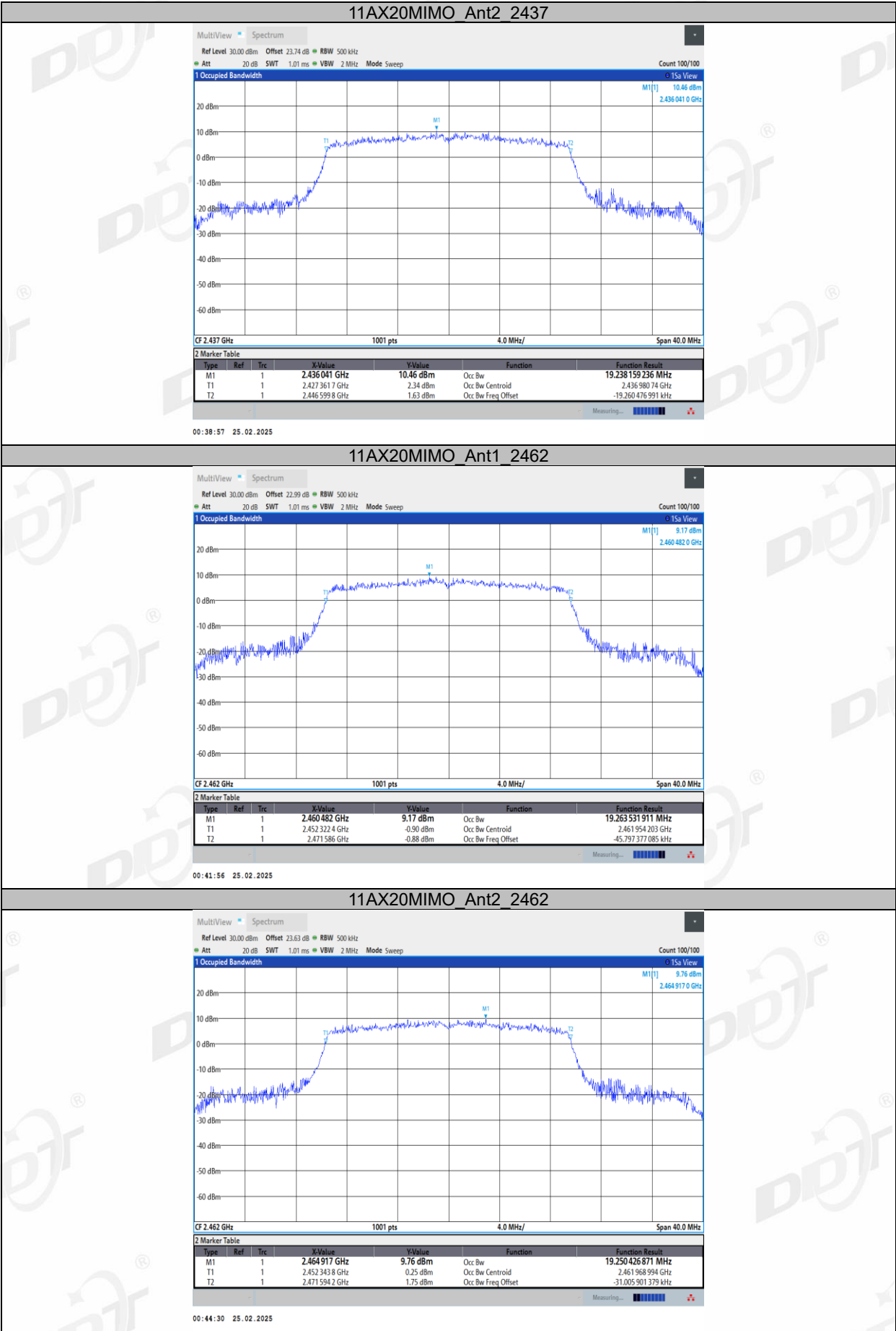


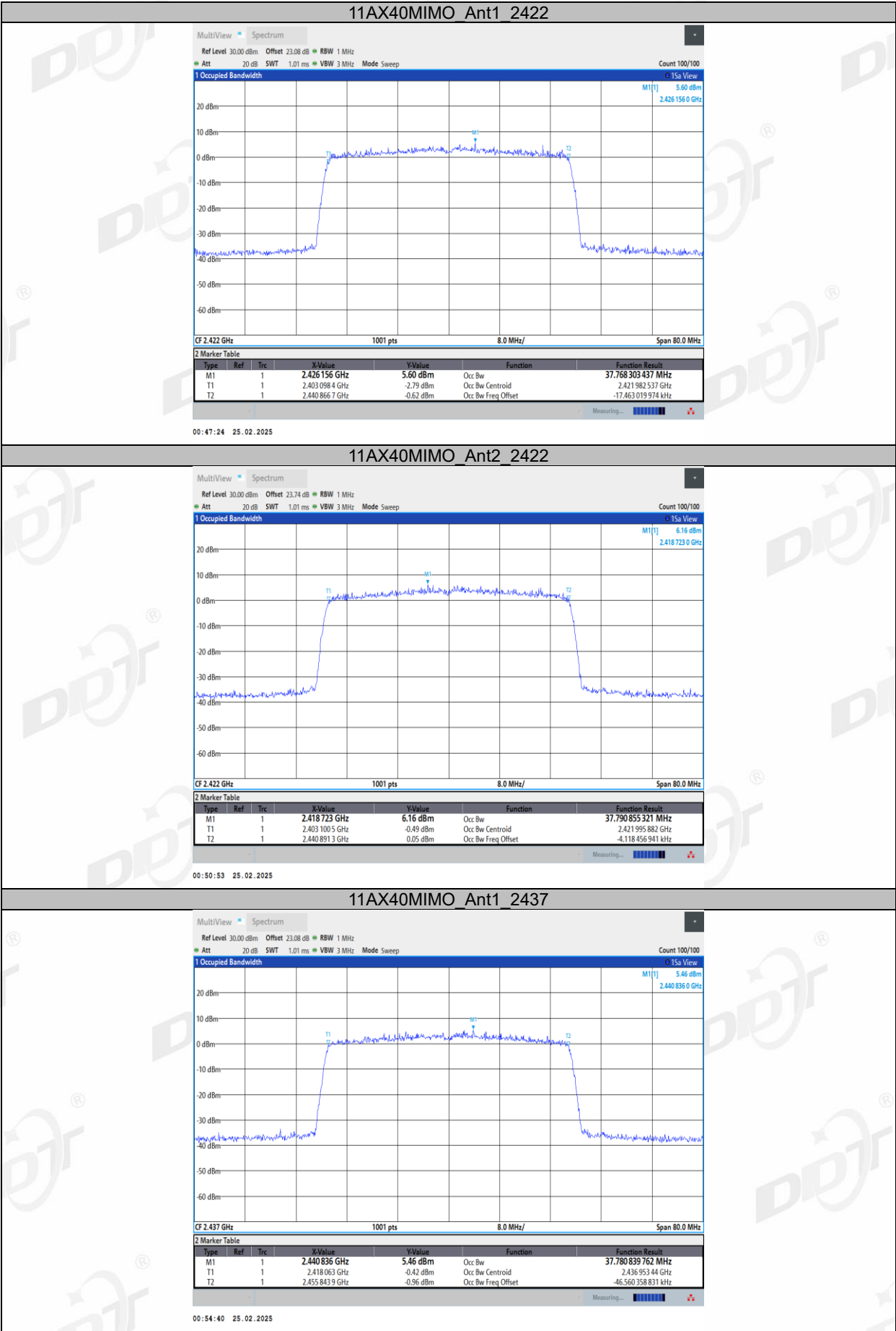


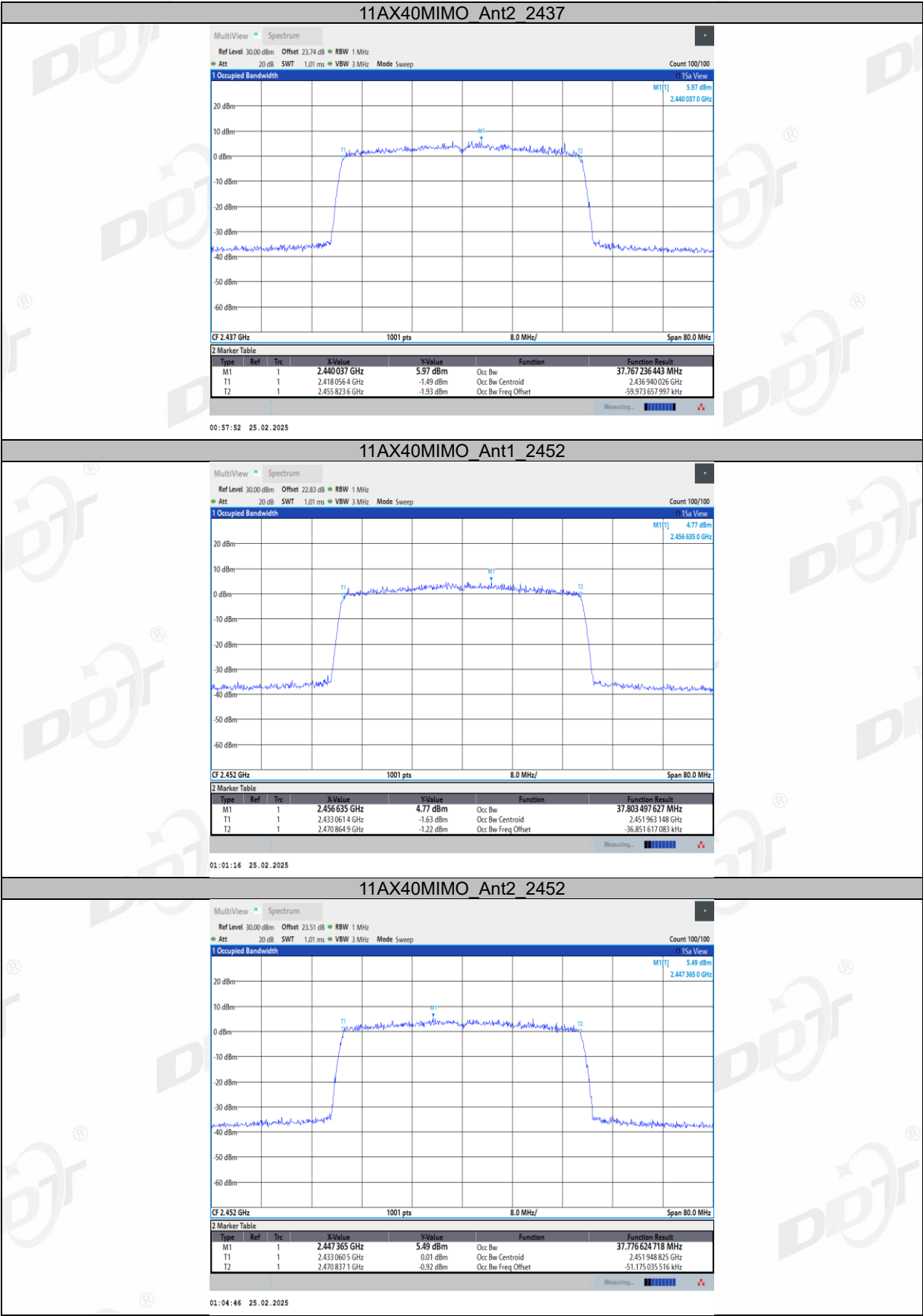






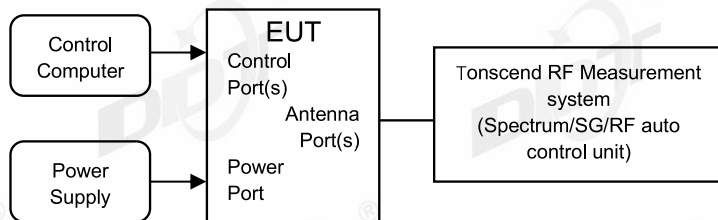






6. Conducted Output Power

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 C63.10-2013 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:	Haofeng	Test Site:	RF Measurement System 4#
Ambient Condition:	23.8℃, 40.6%RH	Test Date:	2025.01.04~2025.01.11/2025.02.24~2025.02.25
Test Power Supply:	AC 230V/50Hz	Sample Number:	S24111416-014

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11B	Ant1	2412	17.50	99.64	0.02	17.52	≤30.00	19.47	≤36.00	PASS
	Ant2	2412	17.17	99.52	0.02	17.19	≤30.00	19.37	≤36.00	PASS
	Ant1	2437	17.37	99.64	0.02	17.39	≤30.00	19.34	≤36.00	PASS
	Ant2	2437	17.12	99.64	0.02	17.14	≤30.00	19.32	≤36.00	PASS
	Ant1	2462	17.37	99.64	0.02	17.39	≤30.00	19.34	≤36.00	PASS
	Ant2	2462	17.06	99.64	0.02	17.08	≤30.00	19.26	≤36.00	PASS
11G	Ant1	2412	16.52	97.90	0.09	16.61	≤30.00	18.56	≤36.00	PASS
	Ant2	2412	16.25	97.20	0.12	16.37	≤30.00	18.55	≤36.00	PASS
	Ant1	2437	16.40	97.89	0.09	16.49	≤30.00	18.44	≤36.00	PASS
	Ant2	2437	16.27	97.20	0.12	16.39	≤30.00	18.57	≤36.00	PASS
	Ant1	2462	16.49	97.20	0.12	16.61	≤30.00	18.56	≤36.00	PASS
	Ant2	2462	16.17	97.89	0.09	16.26	≤30.00	18.44	≤36.00	PASS
11N20MIMO	Ant1	2412	14.51	94.37	0.25	14.76	≤30.00	16.71	≤36.00	PASS
	Ant2	2412	14.25	94.37	0.25	14.50	≤30.00	16.68	≤36.00	PASS
	total	2412	---	---	---	17.64	≤30.00	19.71	≤36.00	PASS
	Ant1	2437	14.49	95.71	0.19	14.68	≤30.00	16.63	≤36.00	PASS
	Ant2	2437	14.36	94.37	0.25	14.61	≤30.00	16.79	≤36.00	PASS
	total	2437	---	---	---	17.66	≤30.00	19.72	≤36.00	PASS
	Ant1	2462	14.49	94.37	0.25	14.74	≤30.00	16.69	≤36.00	PASS
	Ant2	2462	14.30	94.37	0.25	14.55	≤30.00	16.73	≤36.00	PASS
	total	2462	---	---	---	17.66	≤30.00	19.72	≤36.00	PASS
11N40MIMO	Ant1	2422	12.09	92.11	0.36	12.45	≤30.00	14.40	≤36.00	PASS
	Ant2	2422	12.05	89.47	0.48	12.53	≤30.00	14.71	≤36.00	PASS
	total	2422	---	---	---	15.50	≤30.00	17.57	≤36.00	PASS
	Ant1	2437	12.28	92.11	0.36	12.64	≤30.00	14.59	≤36.00	PASS
	Ant2	2437	12.02	89.74	0.47	12.49	≤30.00	14.67	≤36.00	PASS
	total	2437	---	---	---	15.58	≤30.00	17.64	≤36.00	PASS
	Ant1	2452	12.27	92.11	0.36	12.63	≤30.00	14.58	≤36.00	PASS

	Ant2	2452	11.75	89.47	0.48	12.23	≤30.00	14.41	≤36.00	PASS
	total	2452	---	---	---	15.44	≤30.00	17.51	≤36.00	PASS
11AX20MIMO	Ant1	2412	12.87	96.19	0.17	13.04	≤30.00	14.99	≤36.00	PASS
	Ant2	2412	12.55	96.19	0.17	12.72	≤30.00	14.90	≤36.00	PASS
	total	2412	---	---	---	15.89	≤30.00	17.96	≤36.00	PASS
	Ant1	2437	12.78	97.14	0.13	12.91	≤30.00	14.86	≤36.00	PASS
	Ant2	2437	12.61	96.19	0.17	12.78	≤30.00	14.96	≤36.00	PASS
	total	2437	---	---	---	15.86	≤30.00	17.92	≤36.00	PASS
	Ant1	2462	12.82	96.19	0.17	12.99	≤30.00	14.94	≤36.00	PASS
	Ant2	2462	12.56	96.19	0.17	12.73	≤30.00	14.91	≤36.00	PASS
	total	2462	---	---	---	15.87	≤30.00	17.94	≤36.00	PASS
11AX40MIMO	Ant1	2422	8.78	92.98	0.32	9.10	≤30.00	11.05	≤36.00	PASS
	Ant2	2422	8.45	92.98	0.32	8.77	≤30.00	10.95	≤36.00	PASS
	total	2422	---	---	---	11.95	≤30.00	14.01	≤36.00	PASS
	Ant1	2437	8.74	92.98	0.32	9.06	≤30.00	11.01	≤36.00	PASS
	Ant2	2437	8.35	92.98	0.32	8.67	≤30.00	10.85	≤36.00	PASS
	total	2437	---	---	---	11.88	≤30.00	13.94	≤36.00	PASS
	Ant1	2452	8.73	92.98	0.32	9.05	≤30.00	11.00	≤36.00	PASS
	Ant2	2452	8.39	92.98	0.32	8.71	≤30.00	10.89	≤36.00	PASS
	total	2452	---	---	---	11.89	≤30.00	13.96	≤36.00	PASS

Test Mode	Antenna	Frequency [MHz]	Ru Size	Ru Index	Peak Power [dBm]	Conducted Limit [dBm]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11AX20 MIMO	Ant1	2412	26Tone	RU0	10.26	≤30.00	12.21	≤36.00	PASS
				RU4	10.25	≤30.00	12.20	≤36.00	PASS
				RU8	10.05	≤30.00	12.00	≤36.00	PASS
			52Tone	RU37	10.79	≤30.00	12.74	≤36.00	PASS
				RU39	10.50	≤30.00	12.45	≤36.00	PASS
				RU40	10.61	≤30.00	12.56	≤36.00	PASS
			106Tone	RU53	11.38	≤30.00	13.33	≤36.00	PASS
				RU54	11.15	≤30.00	13.10	≤36.00	PASS
	Ant2	2412	26Tone	RU0	9.63	≤30.00	11.81	≤36.00	PASS
				RU4	10.02	≤30.00	12.20	≤36.00	PASS
				RU8	9.73	≤30.00	11.91	≤36.00	PASS
			52Tone	RU37	10.33	≤30.00	12.51	≤36.00	PASS
				RU39	10.23	≤30.00	12.41	≤36.00	PASS

			106Tone	RU40	10.15	≤30.00	12.33	≤36.00	PASS
				RU53	10.47	≤30.00	12.65	≤36.00	PASS
				RU54	10.73	≤30.00	12.91	≤36.00	PASS
	total	2412	26Tone	RU0	12.97	≤30.00	15.02	≤36.00	PASS
				RU4	13.15	≤30.00	15.21	≤36.00	PASS
				RU8	12.90	≤30.00	14.97	≤36.00	PASS
			52Tone	RU37	13.58	≤30.00	15.64	≤36.00	PASS
				RU39	13.38	≤30.00	15.44	≤36.00	PASS
				RU40	13.40	≤30.00	15.46	≤36.00	PASS
			106Tone	RU53	13.96	≤30.00	16.01	≤36.00	PASS
				RU54	13.96	≤30.00	16.02	≤36.00	PASS
	Ant1	2437	26Tone	RU0	9.96	≤30.00	11.91	≤36.00	PASS
				RU4	10.08	≤30.00	12.03	≤36.00	PASS
				RU8	9.80	≤30.00	11.75	≤36.00	PASS
			52Tone	RU37	10.42	≤30.00	12.37	≤36.00	PASS
				RU39	10.22	≤30.00	12.17	≤36.00	PASS
				RU40	10.44	≤30.00	12.39	≤36.00	PASS
			106Tone	RU53	10.53	≤30.00	12.48	≤36.00	PASS
				RU54	10.67	≤30.00	12.62	≤36.00	PASS
	Ant2	2437	26Tone	RU0	9.75	≤30.00	11.93	≤36.00	PASS
				RU4	10.07	≤30.00	12.25	≤36.00	PASS
				RU8	9.58	≤30.00	11.76	≤36.00	PASS
			52Tone	RU37	10.19	≤30.00	12.37	≤36.00	PASS
				RU39	10.23	≤30.00	12.41	≤36.00	PASS
				RU40	9.95	≤30.00	12.13	≤36.00	PASS
			106Tone	RU53	10.41	≤30.00	12.59	≤36.00	PASS
				RU54	10.44	≤30.00	12.62	≤36.00	PASS
	total	2437	26Tone	RU0	12.87	≤30.00	14.93	≤36.00	PASS
				RU4	13.09	≤30.00	15.15	≤36.00	PASS
				RU8	12.70	≤30.00	14.77	≤36.00	PASS
			52Tone	RU37	13.32	≤30.00	15.38	≤36.00	PASS
				RU39	13.24	≤30.00	15.30	≤36.00	PASS
				RU40	13.21	≤30.00	15.27	≤36.00	PASS
			106Tone	RU53	13.48	≤30.00	15.55	≤36.00	PASS
				RU54	13.57	≤30.00	15.63	≤36.00	PASS
	Ant1	2462	26Tone	RU0	9.92	≤30.00	11.87	≤36.00	PASS
				RU4	10.25	≤30.00	12.20	≤36.00	PASS
				RU8	9.99	≤30.00	11.94	≤36.00	PASS
			52Tone	RU37	10.60	≤30.00	12.55	≤36.00	PASS

			106Tone	RU39	10.63	≤30.00	12.58	≤36.00	PASS
				RU40	10.44	≤30.00	12.39	≤36.00	PASS
				RU53	10.88	≤30.00	12.83	≤36.00	PASS
				RU54	10.85	≤30.00	12.80	≤36.00	PASS
	Ant2	2462	26Tone	RU0	9.52	≤30.00	11.70	≤36.00	PASS
				RU4	9.81	≤30.00	11.99	≤36.00	PASS
				RU8	9.56	≤30.00	11.74	≤36.00	PASS
		52Tone		RU37	9.92	≤30.00	12.10	≤36.00	PASS
				RU39	10.05	≤30.00	12.23	≤36.00	PASS
				RU40	10.15	≤30.00	12.33	≤36.00	PASS
		106Tone		RU53	10.44	≤30.00	12.62	≤36.00	PASS
				RU54	10.36	≤30.00	12.54	≤36.00	PASS
	total	2462	26Tone	RU0	12.73	≤30.00	14.80	≤36.00	PASS
				RU4	13.05	≤30.00	15.11	≤36.00	PASS
				RU8	12.79	≤30.00	14.85	≤36.00	PASS
		52Tone		RU37	13.28	≤30.00	15.34	≤36.00	PASS
				RU39	13.36	≤30.00	15.42	≤36.00	PASS
				RU40	13.31	≤30.00	15.37	≤36.00	PASS
		106Tone		RU53	13.68	≤30.00	15.74	≤36.00	PASS
				RU54	13.62	≤30.00	15.68	≤36.00	PASS
11AX40MIMO	Ant1	2422	242Tone	RU61	11.98	≤30.00	13.93	≤36.00	PASS
				RU62	11.80	≤30.00	13.75	≤36.00	PASS
	Ant2	2422	242Tone	RU61	11.63	≤30.00	13.81	≤36.00	PASS
				RU62	11.12	≤30.00	13.30	≤36.00	PASS
	total	2422	242Tone	RU61	14.82	≤30.00	16.88	≤36.00	PASS
				RU62	14.48	≤30.00	16.54	≤36.00	PASS
	Ant1	2437	242Tone	RU61	11.80	≤30.00	13.75	≤36.00	PASS
				RU62	11.65	≤30.00	13.60	≤36.00	PASS
	Ant2	2437	242Tone	RU61	11.50	≤30.00	13.68	≤36.00	PASS
				RU62	11.43	≤30.00	13.61	≤36.00	PASS
	total	2437	242Tone	RU61	14.66	≤30.00	16.73	≤36.00	PASS
				RU62	14.55	≤30.00	16.62	≤36.00	PASS
	Ant1	2452	242Tone	RU61	11.78	≤30.00	13.73	≤36.00	PASS
				RU62	11.71	≤30.00	13.66	≤36.00	PASS
	Ant2	2452	242Tone	RU61	11.23	≤30.00	13.41	≤36.00	PASS
				RU62	11.04	≤30.00	13.22	≤36.00	PASS
	total	2452	242Tone	RU61	14.52	≤30.00	16.58	≤36.00	PASS
				RU62	14.40	≤30.00	16.46	≤36.00	PASS

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