



FCC AND ISED CERTIFICATION TEST REPORT

Applicant	:	Mercku Inc.
Address of Applicant	:	3600 Steeles Avenue East, Suite C108B, Markham, Ontario, L3R 9Z7, Canada
Manufacturer	:	Mercku Inc.
Address of Manufacturer	:	3600 Steeles Avenue East, Suite C108B, Markham, Ontario, L3R 9Z7, Canada
Equipment under Test	:	M6s PoE++ Mesh Wi-Fi Router
Model No.	:	MEAA0
FCC ID	:	2APR4-6SPOE
IC	:	23877-6SPOE
Test Standard(s)	:	FCC Rules and Regulations Part 15 Subpart E, RSS-247 Issue 3 August 2023, ANSI C63.10:2013, 789033 D02 General U-NII Test Procedures New Rules v02r01, 662911 D01 Multiple Transmitter Output v02r01, RSS-Gen Issue 5 April 2018
Report No.	:	DDT-RE24072915-2E06
Issue Date	:	2024/09/24
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

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Test Standard Used:
FCC Rules and Regulations Part 15 Subpart E,
RSS-247 Issue 3 August 2023,
ANSI C63.10:2013,
789033 D02 General U-NII Test Procedures New Rules v02r01,
662911 D01 Multiple Transmitter Output v02r01,
RSS-Gen Issue 5 April 2018

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-RE24072915-2E06		
Date of Receipt:	2024/07/31	Date of Test:	2024/07/31 - 2024/09/24

Prepared By:

Tiger Mo

Tiger Mo/Engineer

Approved By:



Damon Hu/EMC Manager

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	2024/09/24	

1. Summary of Test Results

No.	Test Parameter	Clause No.	Condition	Result
1	6/26db Bandwidth and 99% Bandwidth	FCC 15.407 (e), RSS-247 Clause 6.2	/	Pass
2	Output Power	FCC 15.407 (a) ; RSS-247 Clause 6.2	/	Pass
3	Power Spectral Density	FCC 15.407 (a) ; RSS-247 Clause 6.2	/	Pass
4	Frequency Stability Measurement	FCC 15.407 (g); RSS-247 Clause 6.2; RSS-GEN Clause 8.9	/	Pass
5	Radiated Emission	FCC 15.407 (b); FCC 15.209; FCC 15.205; RSS-247 Clause 6.2; RSS-GEN Clause 8.9	/	Pass
6	Band Edge Compliance	FCC 15.407 (b); FCC 15.209; FCC 15.205; RSS-247 Clause 6.2; RSS-GEN Clause 8.9	/	Pass
7	Dynamic Frequency Selection	FCC 15.407 (h); RSS-247 Clause 6.8	/	Pass
8	Power Line Conducted Emissions	FCC Part 15: 15.207(a), RSS-Gen Issue 5 clause 8.8	/	Pass
9	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	: M6s PoE++Mesh Wi-Fi Router
Model Number	: MEAA0
EUT Function Description	: Please reference user manual of this device
Power Supply	: DC 54V =2A or DC 24V = 2A powered by external adapter

Antenna information				
Antenna Type	Dedicated antenna			
Max Antenna Gain (dBi)	/	Ant1 gain	Ant2 gain	Directional gain
	IEEE 802.11a	7.0	7.0	/
	IEEE 802.11n HT20	7.0	7.0	/
	IEEE 802.11n HT40	7.0	7.0	7.0
	IEEE 802.11ac VHT20	7.0	7.0	7.0
	IEEE 802.11ac VHT40	7.0	7.0	7.0
	IEEE 802.11ac VHT80	7.0	7.0	7.0
	IEEE 802.11ac VHT160	7.0	7.0	7.0
	IEEE 802.11ax HE20	7.0	7.0	7.0
	IEEE 802.11ax HE40	7.0	7.0	7.0
	IEEE 802.11ax HE80	7.0	7.0	7.0
	IEEE 802.11ax HE160	7.0	7.0	7.0
Note 1: This EUT supports STBC, any transmit signals are uncorrelated with each other. So the Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10})/2]$ dBi				
Note 2: EUT has three antennas, the third antenna only used for receiving.				

Note: This EUT support 2.4 GHz WLAN, 5 GHz WLAN, this report only for 5 GHz WLAN.

Radio Technology	: IEEE 802.11a/n/ac/ax
Operation frequency	: IEEE 802.11a: 5180MHz-5240MHz, 5260MHz-5320MHz, 5500MHz-5720MHz, 5745MHz-5825MHz IEEE 802.11n HT20: 5180MHz-5240MHz, 5260MHz-5320MHz, 5500MHz-5720MHz, 5745MHz-5825MHz IEEE 802.11n HT40: 5190MHz-5230MHz, 5270MHz-5310MHz, 5510MHz-5710MHz, 5755MHz-5795MHz IEEE 802.11ac VHT20: 5180MHz-5240MHz, 5260MHz-5320MHz, 5500MHz-5720MHz, 5745MHz-5825MHz IEEE 802.11ac VHT40: 5190MHz-5230MHz, 5270MHz-5310MHz, 5510MHz-5710MHz, 5755MHz-5795MHz IEEE 802.11ac VHT80: 5210MHz, 5290MHz, 5530MHz, 5610MHz, 5690MHz, 5775MHz IEEE 802.11ac VHT160: 5250MHz, 5570MHz IEEE 802.11ax HE20: 5180MHz-5240MHz, 5260MHz-5320MHz, 5500MHz-5720MHz, 5745MHz-5825MHz IEEE 802.11ax HE40: 5190MHz-5230MHz, 5270MHz-5310MHz, 5510MHz-5710MHz, 5755MHz-5795MHz IEEE 802.11ax HE80: 5210MHz, 5290MHz, 5530MHz, 5610MHz, 5690MHz, 5775MHz IEEE 802.11ax HE160: 5250MHz, 5570MHz
Modulation	: IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n HT20, HT40: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ax: OFDM (1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK)

Channel information							
IEEE 802.11a IEEE 802.11n (HT20) IEEE 802.11ac (VHT20) IEEE 802.11ax (HE20)		IEEE 802.11n (HT40) IEEE 802.11ac (VHT40) IEEE 802.11ax (HE40)		IEEE 802.11ac (VHT80) IEEE 802.11ax (HE80)		IEEE 802.11ac (VHT160) IEEE 802.11ax (HE160)	
UNII-1							
CH	Frequency (MHz)	CH	Frequency (MHz)	CH	Frequency (MHz)	CH	Frequency (MHz)
36	5180	38	5190	42	5210	50	5250
40	5200	46	5230	/	/	/	/
44	5220	/	/	/	/	/	/
48	5240	/	/	/	/	/	/
UNII-2A							
52	5260	54	5270	58	5290	50	5250
56	5280	62	5310	/	/	/	/
60	5300	/	/	/	/	/	/
64	5320	/	/	/	/	/	/
UNII-2C							
100	5500	102	5510	106	5530	114	5570
104	5520	110	5550	122	5610	/	/
108	5540	118	5590	138	5690	/	/
112	5560	126	5630	/	/	/	/
116	5580	134	5670	/	/	/	/
120	5600	142	5710	/	/	/	/
124	5620	/	/	/	/	/	/
128	5640	/	/	/	/	/	/
132	5660	/	/	/	/	/	/
136	5680	/	/	/	/	/	/
140	5700	/	/	/	/	/	/
144	5720	/	/	/	/	/	/
UNII-3							
149	5745	151	5755	155	5775	/	/
153	5765	159	5795	/	/	/	/
157	5785	/	/	/	/	/	/
161	5805	/	/	/	/	/	/
165	5825	/	/	/	/	/	/
Note: Band 5600-5650MHz will be disabled when shipped to Canada							

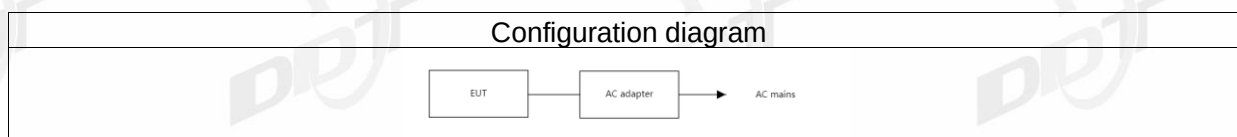
Note : “☑” means to be chosen or applicable; “☐” means don't to be chosen or not applicable; This note applies to entire report.

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/DC ADAPTER	Shenzhen Keyu Power Supply Technology Co., Ltd.	KA120C-5402000Q	Input: 100-240V~50/60Hz 2.0A Max Output: 54.0V 2A 108.0W
AC/DC ADAPTER	Shenzhen Keyu Power Supply Technology Co., Ltd.	KA4801A-2402000US	Input: 100-240V~50/60Hz 1.2A Max Output: 24V=2000mA
RJ 45 cable	/	/	/

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:QATool_Dbg.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, channel, and data rate information					
Mode	Setting Tx Power		Data rate (Mbps) (see Note)	Channel	Frequency (MHz)
	ANT1	ANT2			
IEEE 802.11a	9	9	6	Low: CH36	5180
	9	9	6	Middle: CH40	5200
	9	9	6	High: CH48	5240
	10	10	6	Low: CH52	5260
	10	10	6	Middle: CH56	5280
	10	10	6	High: CH64	5320
	10	10	6	Low: CH100	5500
	10	10	6	Middle: CH116	5580
	10	10	6	High: CH140	5700
	10	10	6	Straddle:CH144	5720
	10	10	6	Low: CH149	5745
	10	10	6	Middle: CH157	5785
	10	10	6	High: CH165	5825
IEEE 802.11n HT20	9	9	MCS 8	Low: CH36	5180
	9	9	MCS 8	Middle: CH40	5200
	9	9	MCS 8	High: CH48	5240
	10	10	MCS 8	Low: CH52	5260

	10	10	MCS 8	Middle: CH56	5280
	10	10	MCS 8	High: CH64	5320
	10	10	MCS 8	Low: CH100	5500
	10	10	MCS 8	Middle: CH116	5580
	10	10	MCS 8	High: CH140	5700
	10	10	MCS 8	Straddle:CH144	5720
	10	10	MCS 8	Low: CH149	5745
	10	10	MCS 8	Middle: CH157	5785
	10	10	MCS 8	High: CH165	5825
IEEE 802.11n HT40	10	10	MCS 8	Low: CH38	5190
	10	10	MCS 8	Middle: CH46	5230
	10	10	MCS 8	High: CH54	5270
	10	10	MCS 8	Low: CH62	5310
	10	10	MCS 8	Middle: CH102	5510
	10	10	MCS 8	High: CH110	5550
	10	10	MCS 8	Low: CH134	5670
	10	10	MCS 0	Straddle: CH142	5710
	10	10	MCS 8	Middle: CH151	5755
IEEE 802.11ac VHT20	9	9	MCS 8	Low: CH36	5180
	9	9	MCS 8	Middle: CH40	5200
	9	9	MCS 8	High: CH48	5240
	10	10	MCS 8	Low: CH52	5260
	10	10	MCS 8	Middle: CH56	5280
	10	10	MCS 8	High: CH64	5320
	10	10	MCS 8	Low: CH100	5500
	10	10	MCS 8	Middle: CH116	5580
	10	10	MCS 8	High: CH140	5700
	10	10	MCS 8	Straddle:CH144	5720
	10	10	MCS 8	Low: CH149	5745
	10	10	MCS 8	Middle: CH157	5785
	10	10	MCS 8	High: CH165	5825
	10	10	MCS 8	Low: CH38	5190
IEEE 802.11 ac VHT40	10	10	MCS 8	Middle: CH46	5230
	10	10	MCS 8	High: CH54	5270
	10	10	MCS 8	Low: CH62	5310
	10	10	MCS 8	Middle: CH102	5510
	10	10	MCS 8	High: CH110	5550
	10	10	MCS 8	Low: CH134	5670
	10	10	MCS 8	Straddle: CH142	5710
	10	10	MCS 8	Middle: CH151	5755
	10	10	MCS 8	High: CH159	5795
	10	10	MCS 8	High: CH159	5795

IEEE 802.11ac VHT80	10	10	MCS 0	CH42	5210
	10	10	MCS 0	CH58	5290
	10	10	MCS 0	CH106	5530
	10	10	MCS 0	CH122	5610
	10	10	MCS 0	CH138	5690
	10	10	MCS 0	CH155	5775
IEEE 802.11ac VHT160	10	10	MCS 0	CH50	5250
	10	10	MCS 0	CH114	5570
IEEE 802.11ax HE20	9	9	MCS 0	Low: CH36	5180
	9	9	MCS 0	Middle: CH40	5200
	9	9	MCS 0	High: CH48	5240
	10	10	MCS 0	Low: CH52	5260
	10	10	MCS 0	Middle: CH56	5280
	10	10	MCS 0	High: CH64	5320
	10	10	MCS 0	Low: CH100	5500
	10	10	MCS 0	Middle: CH116	5580
	10	10	MCS 0	High: CH140	5700
	10	10	MCS 0	Straddle:CH144	5720
	10	10	MCS 0	Low: CH149	5745
	10	10	MCS 0	Middle: CH157	5785
	10	10	MCS 0	High: CH165	5825
	10	10	MCS 0	Low: CH38	5190
IEEE 802.11ax HE40	10	10	MCS 0	Middle: CH46	5230
	10	10	MCS 0	High: CH54	5270
	10	10	MCS 0	Low: CH62	5310
	10	10	MCS 0	Middle: CH102	5510
	10	10	MCS 0	High: CH110	5550
	10	10	MCS 0	Low: CH134	5670
	10	10	MCS 0	Straddle: CH142	5710
	10	10	MCS 0	Middle: CH151	5755
	10	10	MCS 0	Middle: CH151	5755
	10	10	MCS 0	CH42	5210
IEEE 802.11ax HE80	10	10	MCS 0	CH58	5290
	10	10	MCS 0	CH106	5530
	10	10	MCS 0	CH122	5610
	10	10	MCS 0	CH138	5690
	10	10	MCS 0	CH155	5775
	10	10	MCS 0	CH50	5250
IEEE 802.11ax HE160	10	10	MCS 0	CH114	5570

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-20155, G-20118

2.8. Measurement uncertainty

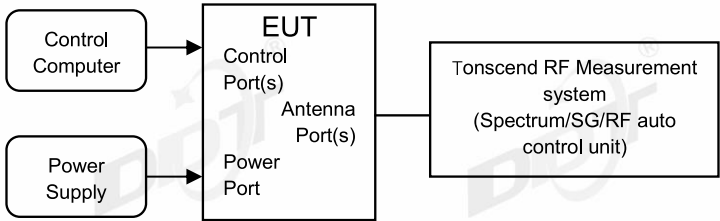
Test Item	Uncertainty
Bandwidth	1.1%
Peak Output Power (Conducted) (Spectrum analyzer)	0.86 dB ($10 \text{ MHz} \leq f < 3.6 \text{ GHz}$);
	1.38 dB ($3.6 \text{ GHz} \leq f < 8 \text{ GHz}$)
Peak Output Power (Conducted) (Power Sensor)	0.74 dB
Power Spectral Density	0.74 dB ($10 \text{ MHz} \leq f < 3.6 \text{ GHz}$);
	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
☑RF Connected Test (RF Measurement System 3#)				
SIGNAL ANALYZER	R&S	FSV40	101407	2025/07/08
Wideband Radio Communication Tester	R&S	CMW500	117491	2025/03/31
EXG Analog Signal Generator	KEYSIGHT	N5173B	MY62153058	2025/07/08
MXG Vector Signal Generator	Agilent	N5182A	MY48180912	2025/03/31
RF Control Unit	Tonscend	JS0806-2	20C8060230	2025/03/31
TEMP&HUMI Programmable Chamber	ZHIXIANG	ZXGDJS-150L	ZX170110-A	2025/04/22
Test Software	Tonscend	JS1120-3	Ver.3.2.22	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
	---	For FCC: 5470 - 5725 For IC: 5470 - 5600 5650 - 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:	Haofeng	Test Site:	RF Measurement System 3#
Ambient Condition:	26.5℃,43.5%RH	Test Date:	2024.09.04-2024.09.06
Test Power Supply:	AC120V/60Hz	Sample Number:	S24072915-002

Test Mode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	25.72	5167.88	5193.60	---	---
	Ant2	5180	24.72	5168.44	5193.16	---	---
	Ant1	5200	25.80	5187.20	5213.00	---	---
	Ant2	5200	28.12	5186.80	5214.92	---	---
	Ant1	5240	20.12	5229.96	5250.08	---	---
	Ant2	5240	20.04	5230.00	5250.04	---	---
	Ant1	5260	20.44	5249.80	5270.24	---	---
	Ant2	5260	20.72	5249.44	5270.16	---	---
	Ant1	5280	20.72	5269.60	5290.32	---	---
	Ant2	5280	20.48	5269.64	5290.12	---	---
	Ant1	5320	26.28	5306.20	5332.48	---	---
	Ant2	5320	26.96	5305.92	5332.88	---	---
	Ant1	5500	25.92	5487.20	5513.12	---	---
	Ant2	5500	25.56	5487.96	5513.52	---	---
	Ant1	5580	20.44	5569.72	5590.16	---	---
	Ant2	5580	20.32	5569.72	5590.04	---	---
	Ant1	5700	24.72	5686.28	5711.00	---	---
	Ant2	5700	24.80	5686.24	5711.04	---	---
	Ant1	5720	20.72	5709.64	5730.36	---	---
	Ant2	5720	20.60	5709.56	5730.16	---	---
	Ant1	5720 UNII-2C	15.36	5709.64	5725	---	---
	Ant2	5720 UNII-2C	15.44	5709.56	5725	---	---
	Ant1	5720 UNII-3	5.36	5725	5730.36	---	---
	Ant2	5720 UNII-3	5.16	5725	5730.16	---	---
	Ant1	5745	23.20	5734.80	5758.00	---	---
	Ant2	5745	24.40	5734.44	5758.84	---	---
	Ant1	5785	20.36	5774.84	5795.20	---	---
	Ant2	5785	20.40	5774.68	5795.08	---	---
	Ant1	5825	25.16	5811.36	5836.52	---	---
	Ant2	5825	25.88	5811.20	5837.08	---	---
11N20MI MO	Ant1	5180	27.44	5167.84	5195.28	---	---
	Ant2	5180	27.08	5167.36	5194.44	---	---
	Ant1	5200	28.16	5185.60	5213.76	---	---
	Ant2	5200	26.28	5187.12	5213.40	---	---
	Ant1	5240	20.32	5229.84	5250.16	---	---
	Ant2	5240	20.20	5229.92	5250.12	---	---
	Ant1	5260	21.28	5249.32	5270.60	---	---
	Ant2	5260	21.12	5249.36	5270.48	---	---
	Ant1	5280	21.52	5269.28	5290.80	---	---
	Ant2	5280	20.80	5269.64	5290.44	---	---
	Ant1	5320	27.92	5305.84	5333.76	---	---
	Ant2	5320	28.16	5305.60	5333.76	---	---
	Ant1	5500	28.32	5486.04	5514.36	---	---
	Ant2	5500	27.36	5486.88	5514.24	---	---
	Ant1	5580	21.36	5569.28	5590.64	---	---
	Ant2	5580	21.00	5569.40	5590.40	---	---
	Ant1	5700	25.56	5685.68	5711.24	---	---
	Ant2	5700	25.44	5685.68	5711.12	---	---
	Ant1	5720	21.28	5709.36	5730.64	---	---
	Ant2	5720	20.80	5709.64	5730.44	---	---
	Ant1	5720 UNII-2C	15.64	5709.36	5725	---	---
	Ant2	5720 UNII-2C	15.36	5709.64	5725	---	---
	Ant1	5720 UNII-3	5.64	5725	5730.64	---	---
	Ant2	5720 UNII-3	5.44	5725	5730.44	---	---
	Ant1	5745	25.36	5734.32	5759.68	---	---
	Ant2	5745	24.04	5734.52	5758.56	---	---
	Ant1	5785	21.20	5774.40	5795.60	---	---
	Ant2	5785	20.76	5774.56	5795.32	---	---

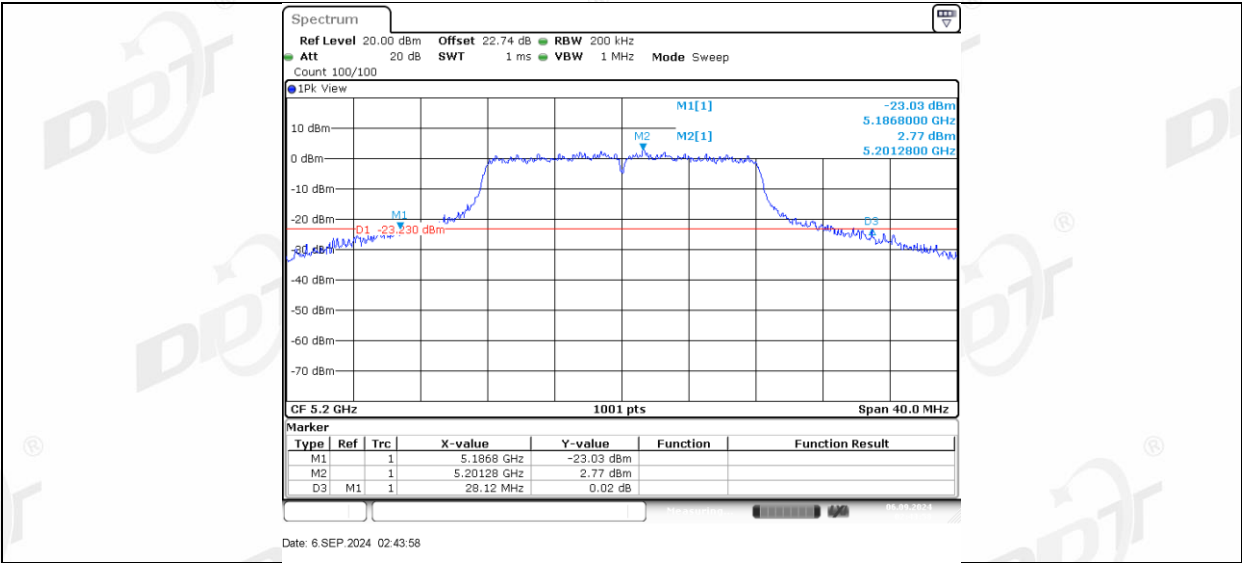
	Ant1	5825	26.00	5811.20	5837.20	---	---
	Ant2	5825	26.60	5810.40	5837.00	---	---
	Ant1	5190	54.64	5165.20	5219.84	---	---
11N40MI MO	Ant2	5190	45.76	5167.12	5212.88	---	---
	Ant1	5230	41.28	5209.44	5250.72	---	---
	Ant2	5230	40.64	5209.68	5250.32	---	---
	Ant1	5270	41.20	5249.44	5290.64	---	---
	Ant2	5270	40.24	5249.92	5290.16	---	---
	Ant1	5310	52.08	5282.56	5334.64	---	---
	Ant2	5310	46.48	5285.44	5331.92	---	---
	Ant1	5510	51.92	5485.52	5537.44	---	---
	Ant2	5510	52.16	5486.40	5538.56	---	---
	Ant1	5550	41.28	5529.36	5570.64	---	---
	Ant2	5550	40.24	5529.92	5570.16	---	---
	Ant1	5670	57.12	5642.56	5699.68	---	---
	Ant2	5670	53.84	5642.32	5696.16	---	---
	Ant1	5710	41.28	5689.44	5730.72	---	---
	Ant2	5710	40.40	5689.76	5730.16	---	---
	Ant1	5710 UNII-2C	35.56	5689.44	5725	---	---
	Ant2	5710 UNII-2C	35.24	5689.76	5725	---	---
	Ant1	5710 UNII-3	5.72	5725	5730.72	---	---
	Ant2	5710 UNII-3	5.16	5725	5730.16	---	---
	Ant1	5755	52.32	5734.52	5786.84	---	---
	Ant2	5755	44.64	5734.52	5779.16	---	---
	Ant1	5795	40.88	5774.68	5815.56	---	---
	Ant2	5795	40.56	5774.76	5815.32	---	---
11AC20M IMO	Ant1	5180	27.04	5167.08	5194.12	---	---
	Ant2	5180	27.84	5167.52	5195.36	---	---
	Ant1	5200	26.32	5186.48	5212.80	---	---
	Ant2	5200	27.72	5186.16	5213.88	---	---
	Ant1	5240	20.24	5229.88	5250.12	---	---
	Ant2	5240	20.16	5229.96	5250.12	---	---
	Ant1	5260	21.48	5249.16	5270.64	---	---
	Ant2	5260	20.88	5249.60	5270.48	---	---
	Ant1	5280	21.16	5269.56	5290.72	---	---
	Ant2	5280	21.12	5269.48	5290.60	---	---
	Ant1	5320	26.96	5305.80	5332.76	---	---
	Ant2	5320	28.12	5305.60	5333.72	---	---
	Ant1	5500	27.76	5487.24	5515.00	---	---
	Ant2	5500	28.60	5487.08	5515.68	---	---
	Ant1	5580	21.16	5569.36	5590.52	---	---
	Ant2	5580	20.84	5569.52	5590.36	---	---
	Ant1	5700	24.72	5686.56	5711.28	---	---
	Ant2	5700	23.48	5687.44	5710.92	---	---
	Ant1	5720	21.32	5709.44	5730.76	---	---
	Ant2	5720	20.80	5709.68	5730.48	---	---
	Ant1	5720 UNII-2C	15.56	5709.44	5725	---	---
	Ant2	5720 UNII-2C	15.32	5709.68	5725	---	---
	Ant1	5720 UNII-3	5.76	5725	5730.76	---	---
	Ant2	5720 UNII-3	5.48	5725	5730.48	---	---
	Ant1	5745	24.40	5734.08	5758.48	---	---
	Ant2	5745	24.68	5734.28	5758.96	---	---
	Ant1	5785	21.12	5774.56	5795.68	---	---
	Ant2	5785	20.92	5774.64	5795.56	---	---
	Ant1	5825	26.20	5810.40	5836.60	---	---
	Ant2	5825	27.20	5809.36	5836.56	---	---
11AC40M IMO	Ant1	5190	50.96	5166.88	5217.84	---	---
	Ant2	5190	46.72	5168.16	5214.88	---	---
	Ant1	5230	40.88	5209.60	5250.48	---	---
	Ant2	5230	40.88	5209.60	5250.48	---	---
	Ant1	5270	41.04	5249.52	5290.56	---	---
	Ant2	5270	40.32	5249.92	5290.24	---	---
	Ant1	5310	55.12	5280.64	5335.76	---	---
	Ant2	5310	47.52	5284.88	5332.40	---	---
	Ant1	5510	57.36	5485.04	5542.40	---	---
	Ant2	5510	50.56	5486.40	5536.96	---	---
	Ant1	5550	41.20	5529.44	5570.64	---	---

	Ant2	5550	40.72	5529.68	5570.40	---	---
	Ant1	5670	60.80	5641.68	5702.48	---	---
	Ant2	5670	54.56	5643.44	5698.00	---	---
	Ant1	5710	41.20	5689.44	5730.64	---	---
	Ant2	5710	40.32	5689.92	5730.24	---	---
	Ant1	5710 UNII-2C	35.56	5689.44	5725	---	---
	Ant2	5710 UNII-2C	35.08	5689.92	5725	---	---
	Ant1	5710 UNII-3	5.64	5725	5730.64	---	---
	Ant2	5710 UNII-3	5.24	5725	5730.24	---	---
	Ant1	5755	54.24	5734.36	5788.60	---	---
	Ant2	5755	45.20	5734.68	5779.88	---	---
	Ant1	5795	41.04	5774.52	5815.56	---	---
	Ant2	5795	40.64	5774.68	5815.32	---	---
11AC80M IMO	Ant1	5210	104.32	5163.60	5267.92	---	---
	Ant2	5210	107.84	5164.24	5272.08	---	---
	Ant1	5290	115.68	5222.48	5338.16	---	---
	Ant2	5290	99.04	5235.28	5334.32	---	---
	Ant1	5530	111.68	5481.04	5592.72	---	---
	Ant2	5530	104.80	5484.24	5589.04	---	---
	Ant1	5610	80.48	5569.68	5650.16	---	---
	Ant2	5610	79.84	5570.32	5650.16	---	---
	Ant1	5690	80.16	5650.16	5730.32	---	---
	Ant2	5690	79.84	5650.16	5730.00	---	---
	Ant1	5690 UNII-2C	74.84	5650.16	5725	---	---
	Ant2	5690 UNII-2C	74.84	5650.16	5725	---	---
	Ant1	5690 UNII-3	5.32	5725	5730.32	---	---
	Ant2	5690 UNII-3	5	5725	5730.00	---	---
11AC160 MIMO	Ant1	5775	80.00	5735.16	5815.16	---	---
	Ant2	5775	80.00	5735.00	5815.00	---	---
	Ant1	5250	168.00	5167.44	5335.44	---	---
	Ant2	5250	167.04	5169.04	5336.08	---	---
	Ant1	5250 UNII-1	82.56	5167.44	5250	---	---
	Ant2	5250 UNII-1	80.96	5169.04	5250	---	---
	Ant1	5250 UNII-2A	85.44	5250	5335.44	---	---
	Ant2	5250 UNII-2A	86.08	5250	5336.08	---	---
11AX20M IMO	Ant1	5570	165.76	5485.20	5650.96	---	---
	Ant2	5570	168.96	5487.44	5656.40	---	---
	Ant1	5180	28.36	5168.40	5196.76	---	---
	Ant2	5180	29.20	5168.00	5197.20	---	---
	Ant1	5200	29.64	5184.32	5213.96	---	---
	Ant2	5200	28.32	5185.76	5214.08	---	---
	Ant1	5240	19.88	5230.08	5249.96	---	---
	Ant2	5240	19.92	5230.04	5249.96	---	---
	Ant1	5260	21.84	5249.00	5270.84	---	---
	Ant2	5260	21.84	5248.88	5270.72	---	---
	Ant1	5280	21.60	5269.24	5290.84	---	---
	Ant2	5280	21.72	5269.28	5291.00	---	---
	Ant1	5320	30.00	5303.88	5333.88	---	---
	Ant2	5320	30.88	5302.48	5333.36	---	---
	Ant1	5500	24.80	5488.04	5512.84	---	---
	Ant2	5500	27.72	5486.76	5514.48	---	---
	Ant1	5580	21.96	5569.16	5591.12	---	---
	Ant2	5580	21.36	5569.32	5590.68	---	---
	Ant1	5700	24.96	5686.16	5711.12	---	---
	Ant2	5700	26.04	5685.60	5711.64	---	---
	Ant1	5720	21.92	5709.08	5731.00	---	---
	Ant2	5720	21.52	5709.24	5730.76	---	---
	Ant1	5720 UNII-2C	15.92	5709.08	5725	---	---
	Ant2	5720 UNII-2C	15.76	5709.24	5725	---	---
	Ant1	5720 UNII-3	6	5725	5731.00	---	---
	Ant2	5720 UNII-3	5.76	5725	5730.76	---	---
	Ant1	5745	24.00	5734.24	5758.24	---	---
	Ant2	5745	26.84	5733.56	5760.40	---	---
	Ant1	5785	22.08	5774.00	5796.08	---	---
	Ant2	5785	21.52	5774.28	5795.80	---	---
	Ant1	5825	26.16	5810.68	5836.84	---	---
	Ant2	5825	25.88	5810.64	5836.52	---	---

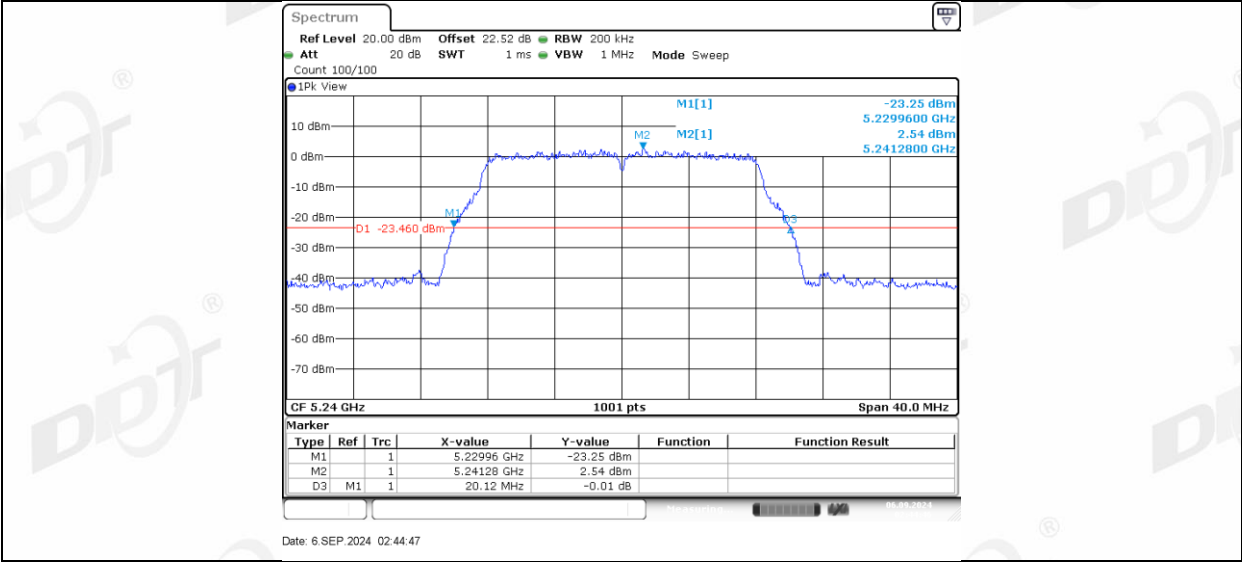
11AX40M IMO	Ant1	5190	51.36	5165.68	5217.04	---	---
	Ant2	5190	47.12	5168.40	5215.52	---	---
	Ant1	5230	39.60	5210.24	5249.84	---	---
	Ant2	5230	39.60	5210.24	5249.84	---	---
	Ant1	5270	39.60	5250.24	5289.84	---	---
	Ant2	5270	39.76	5250.16	5289.92	---	---
	Ant1	5310	50.96	5283.84	5334.80	---	---
	Ant2	5310	50.64	5284.24	5334.88	---	---
	Ant1	5510	51.76	5484.56	5536.32	---	---
	Ant2	5510	47.68	5487.20	5534.88	---	---
	Ant1	5550	39.60	5530.24	5569.84	---	---
	Ant2	5550	39.76	5530.16	5569.92	---	---
	Ant1	5670	58.96	5643.04	5702.00	---	---
	Ant2	5670	56.08	5641.92	5698.00	---	---
	Ant1	5710	39.76	5690.16	5729.92	---	---
	Ant2	5710	39.60	5690.24	5729.84	---	---
	Ant1	5710 UNII-2C	34.84	5690.16	5725	---	---
	Ant2	5710 UNII-2C	34.76	5690.24	5725	---	---
	Ant1	5710 UNII-3	4.92	5725	5729.92	---	---
	Ant2	5710 UNII-3	4.84	5725	5729.84	---	---
	Ant1	5755	45.04	5735.16	5780.20	---	---
	Ant2	5755	44.72	5735.16	5779.88	---	---
	Ant1	5795	39.76	5775.16	5814.92	---	---
	Ant2	5795	39.60	5775.24	5814.84	---	---
11AX80M IMO	Ant1	5210	93.44	5167.12	5260.56	---	---
	Ant2	5210	89.12	5167.76	5256.88	---	---
	Ant1	5290	98.88	5234.32	5333.20	---	---
	Ant2	5290	86.08	5245.04	5331.12	---	---
	Ant1	5530	99.68	5485.04	5584.72	---	---
	Ant2	5530	102.88	5485.52	5588.40	---	---
	Ant1	5610	80.48	5569.84	5650.32	---	---
	Ant2	5610	80.48	5569.84	5650.32	---	---
	Ant1	5690	80.64	5649.68	5730.32	---	---
	Ant2	5690	80.48	5649.84	5730.32	---	---
	Ant1	5690 UNII-2C	75.32	5649.68	5725	---	---
	Ant2	5690 UNII-2C	75.16	5649.84	5725	---	---
	Ant1	5690 UNII-3	5.32	5725	5730.32	---	---
	Ant2	5690 UNII-3	5.32	5725	5730.32	---	---
	Ant1	5775	80.32	5734.84	5815.16	---	---
	Ant2	5775	80.48	5734.84	5815.32	---	---
11AX160 MIMO	Ant1	5250	162.56	5169.04	5331.60	---	---
	Ant2	5250	163.52	5169.04	5332.56	---	---
	Ant1	5250 UNII-1	80.96	5169.04	5250	---	---
	Ant2	5250 UNII-1	80.96	5169.04	5250	---	---
	Ant1	5250 UNII-2A	81.6	5250	5331.60	---	---
	Ant2	5250 UNII-2A	82.56	5250	5332.56	---	---
	Ant1	5570	164.80	5486.48	5651.28	---	---
	Ant2	5570	165.76	5488.08	5653.84	---	---

4.5. Test graphs

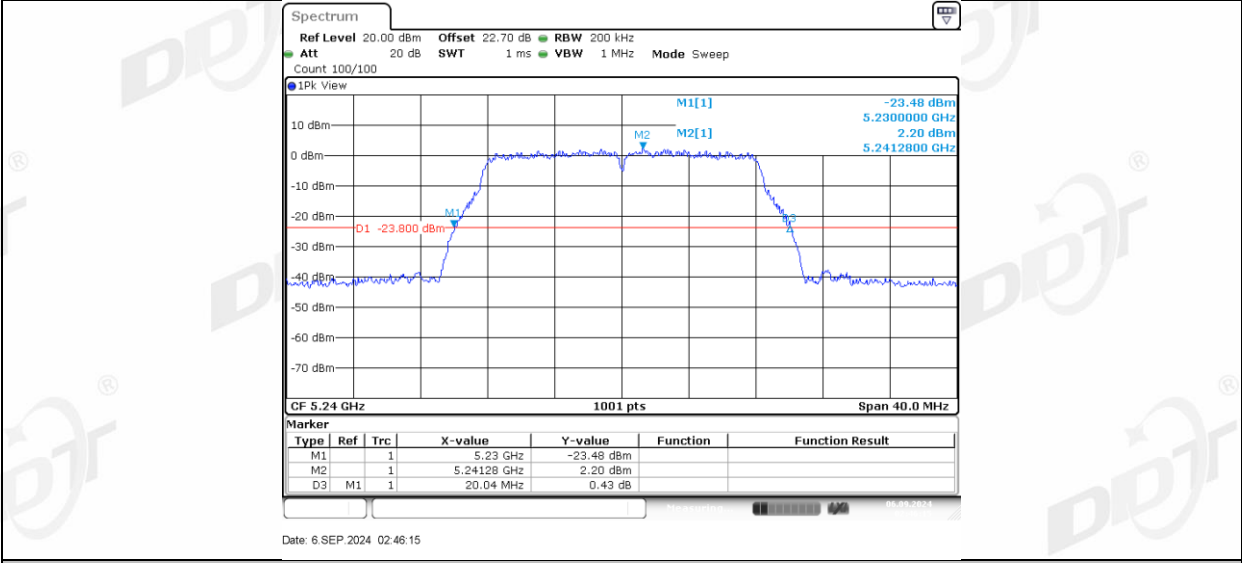




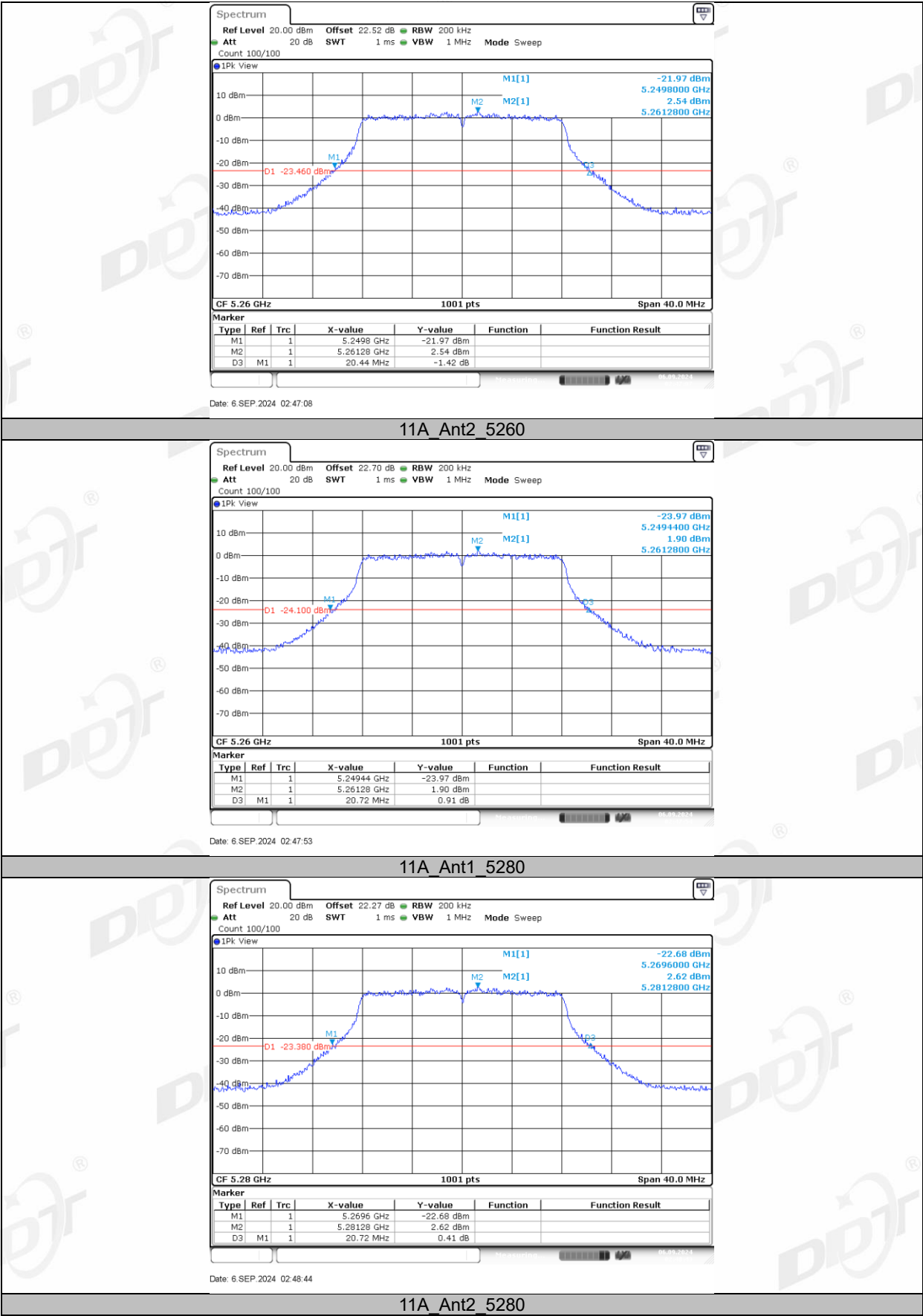
11A_Ant1_5240



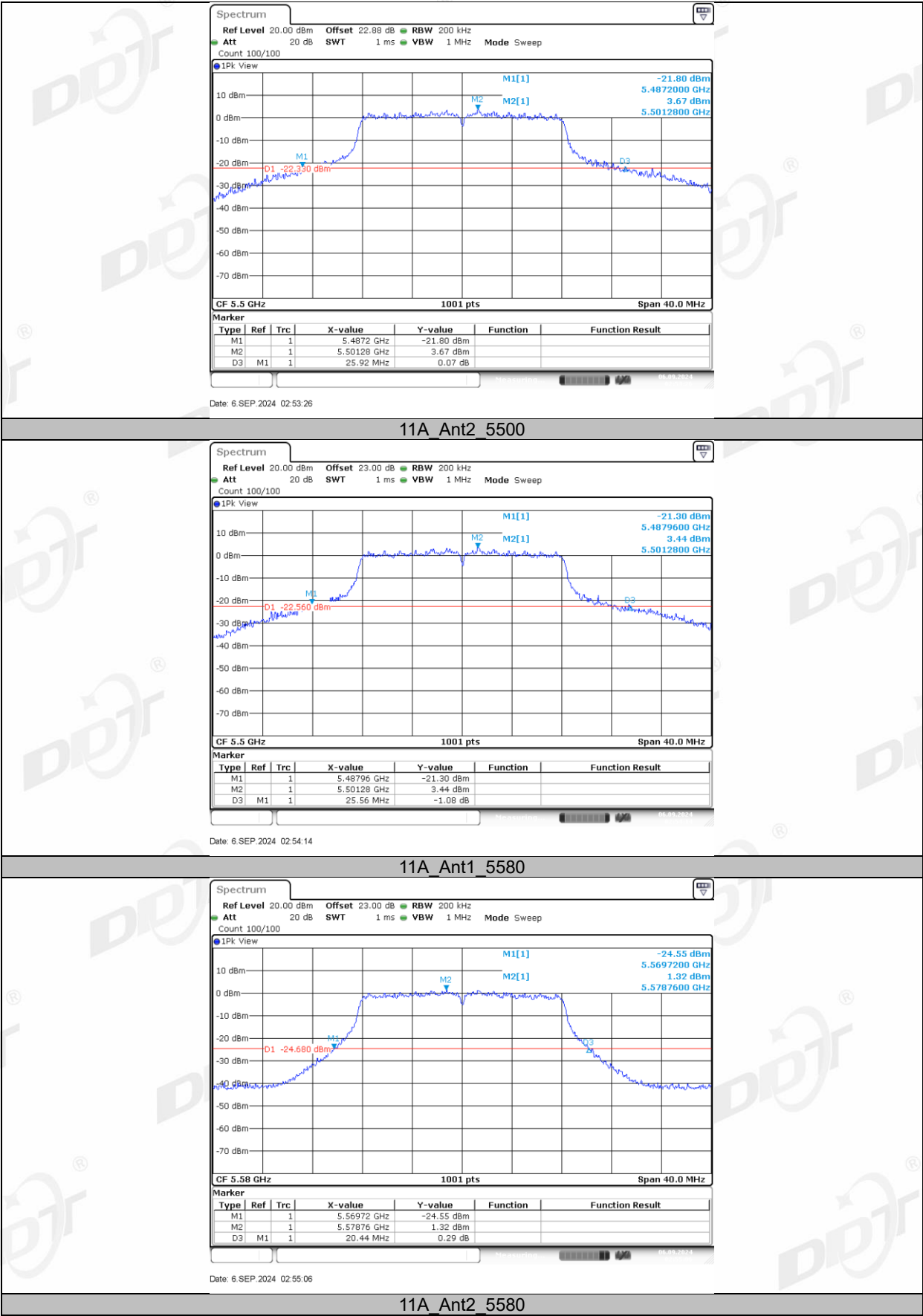
11A_Ant2_5240

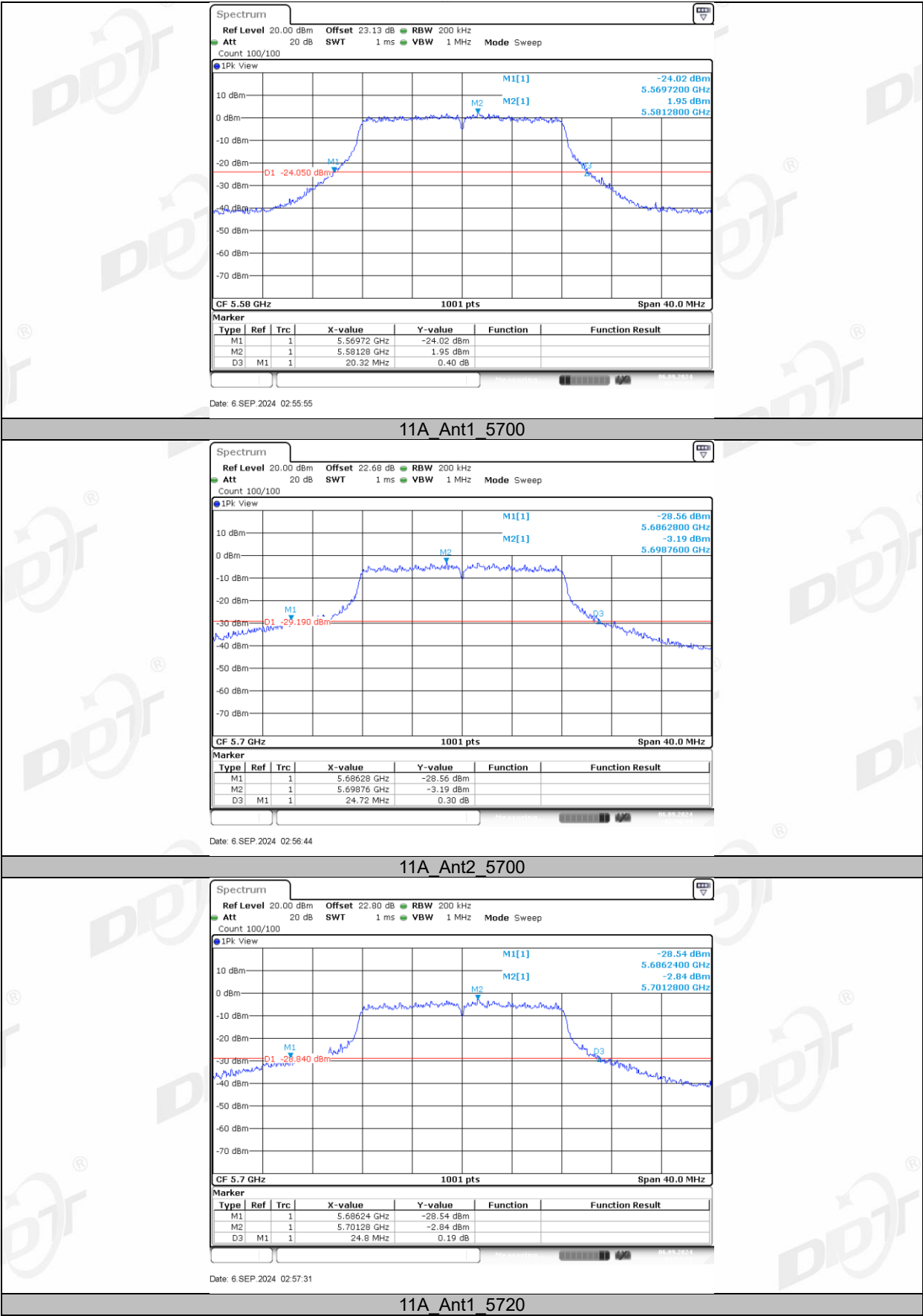


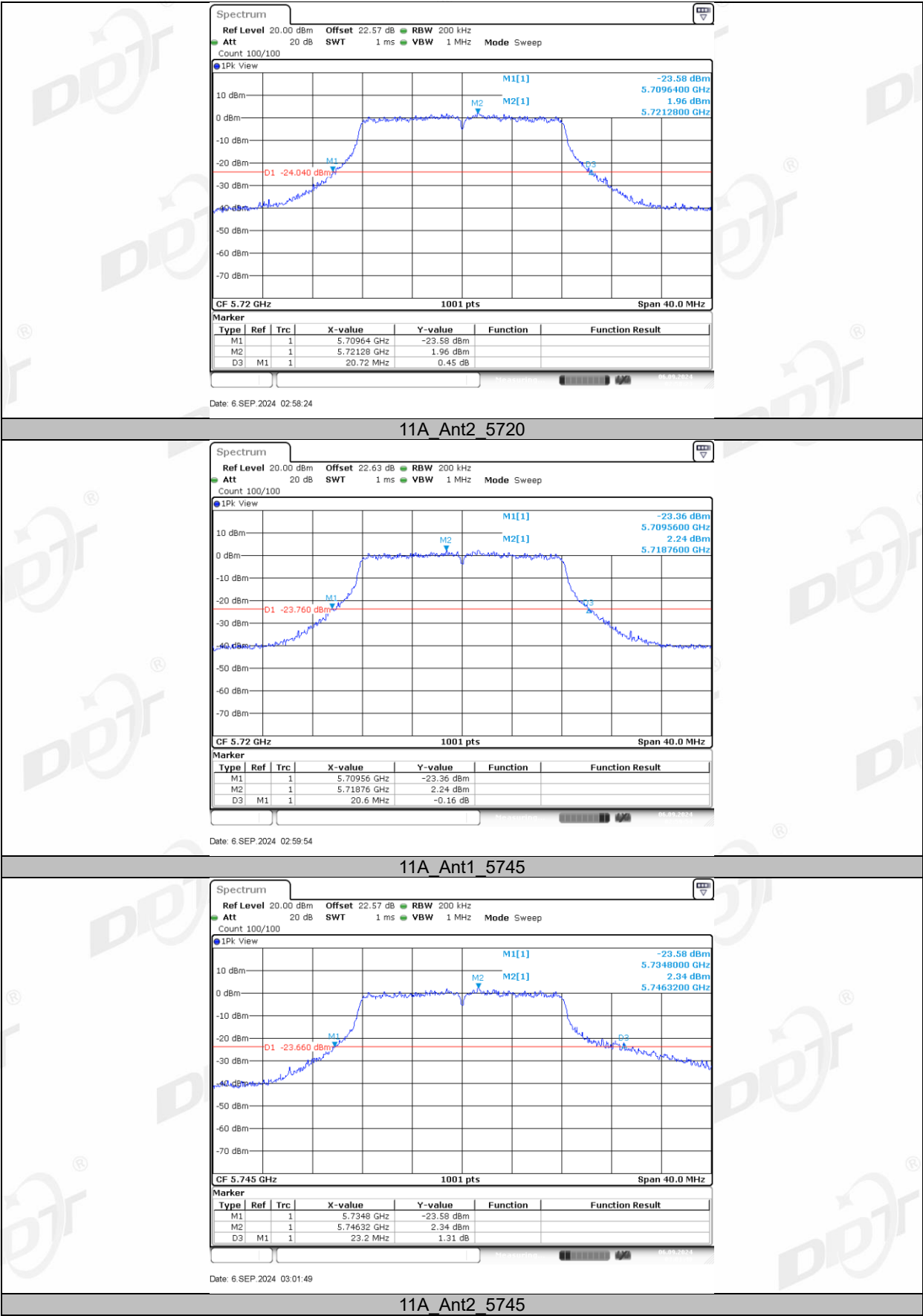
11A_Ant1_5260

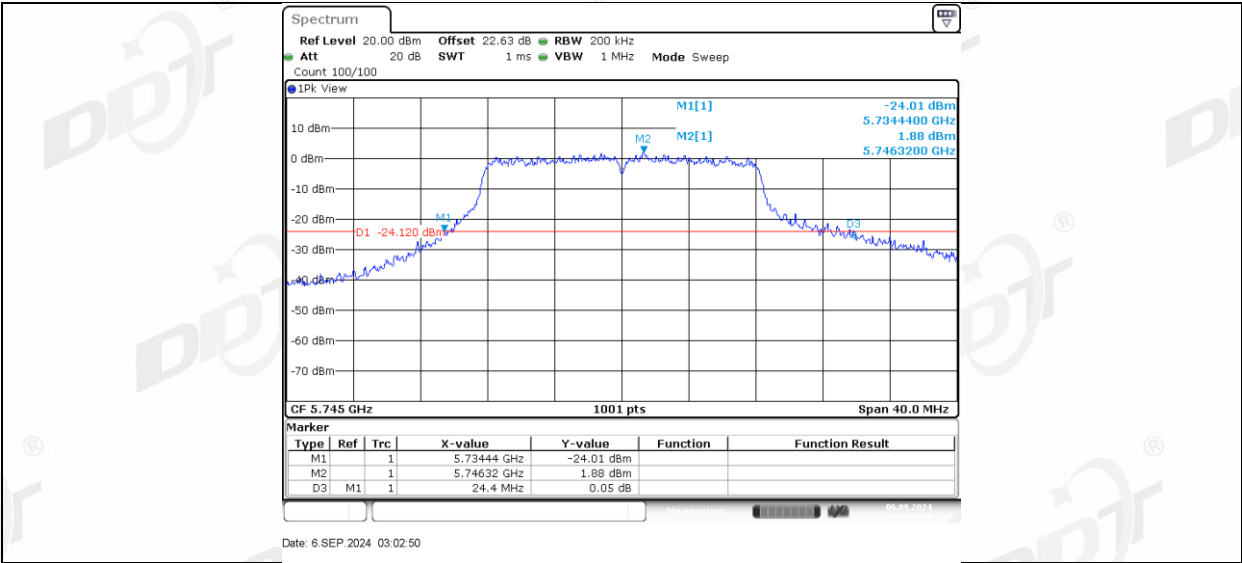




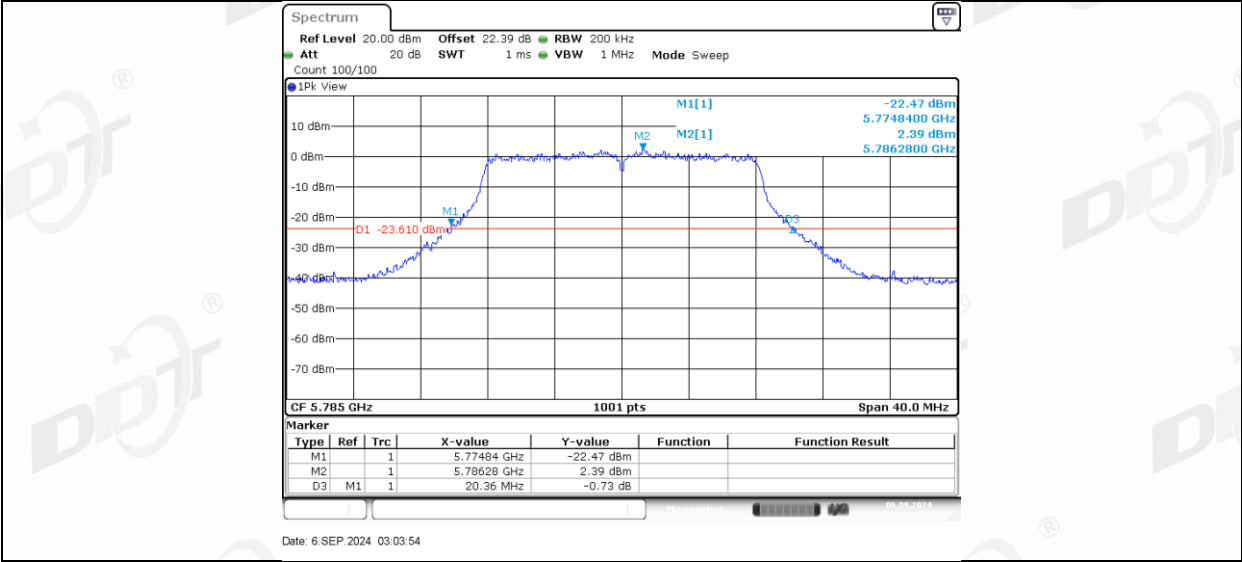




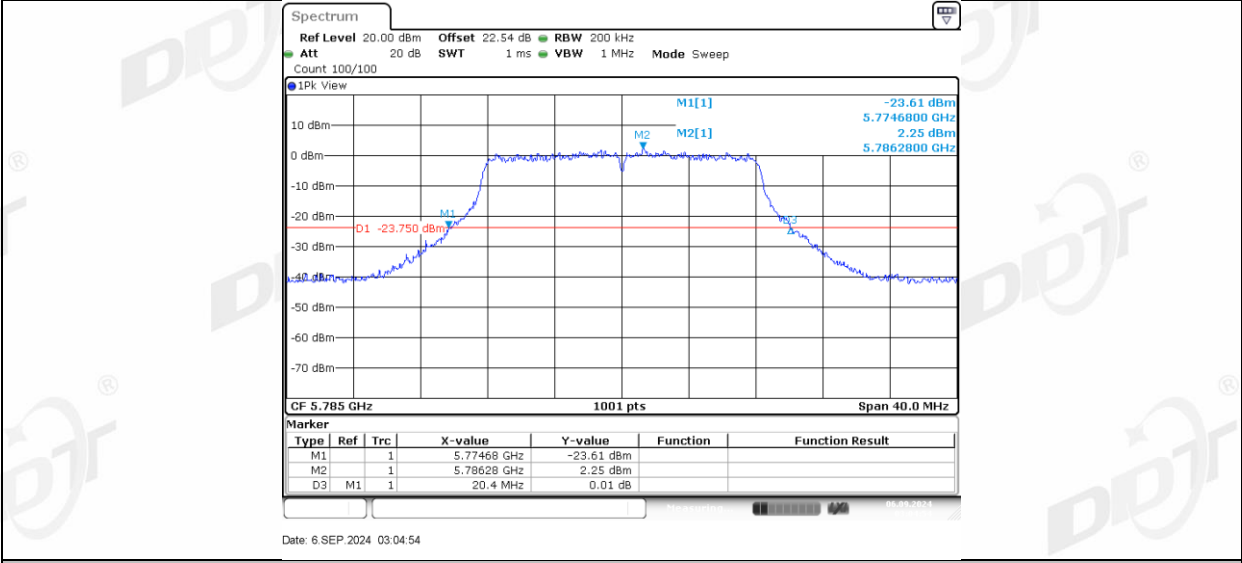




11A_Ant1_5785

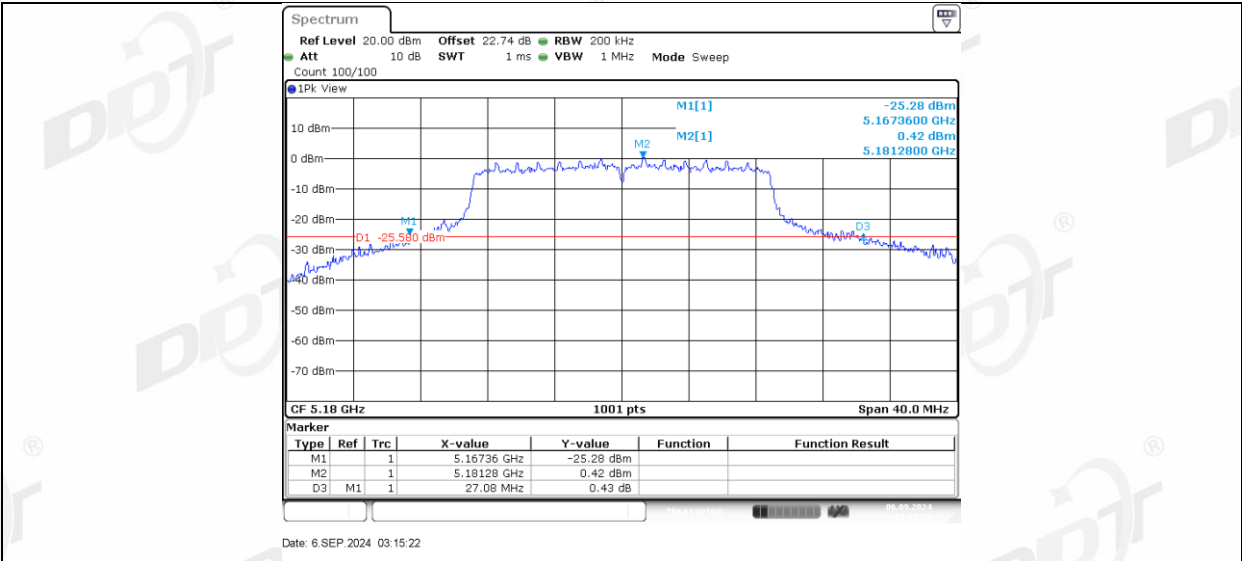


11A_Ant2_5785

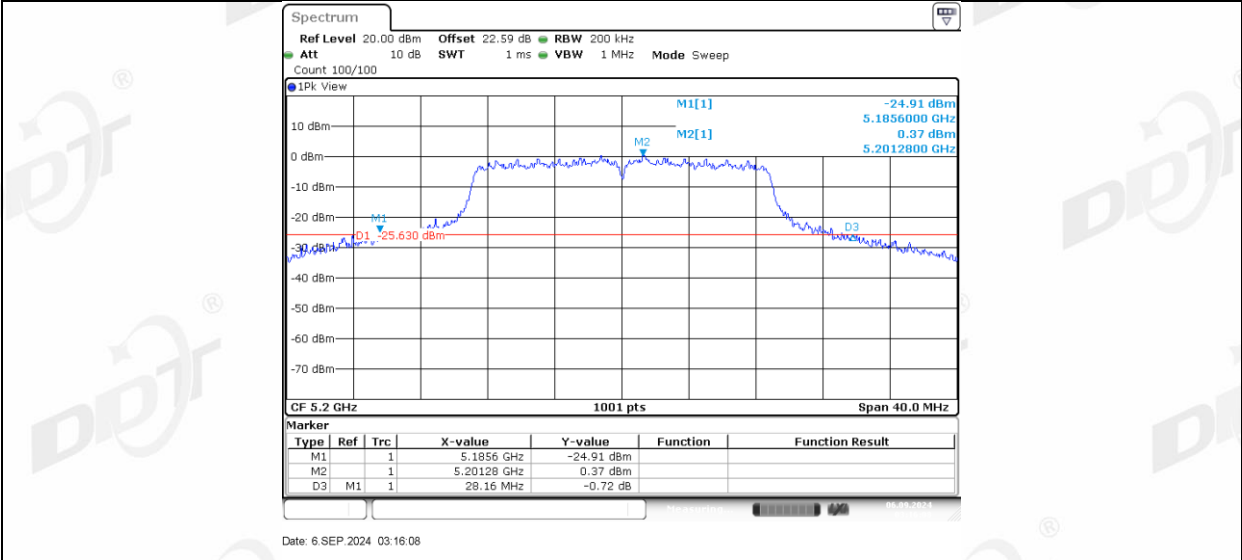


11A_Ant1_5825

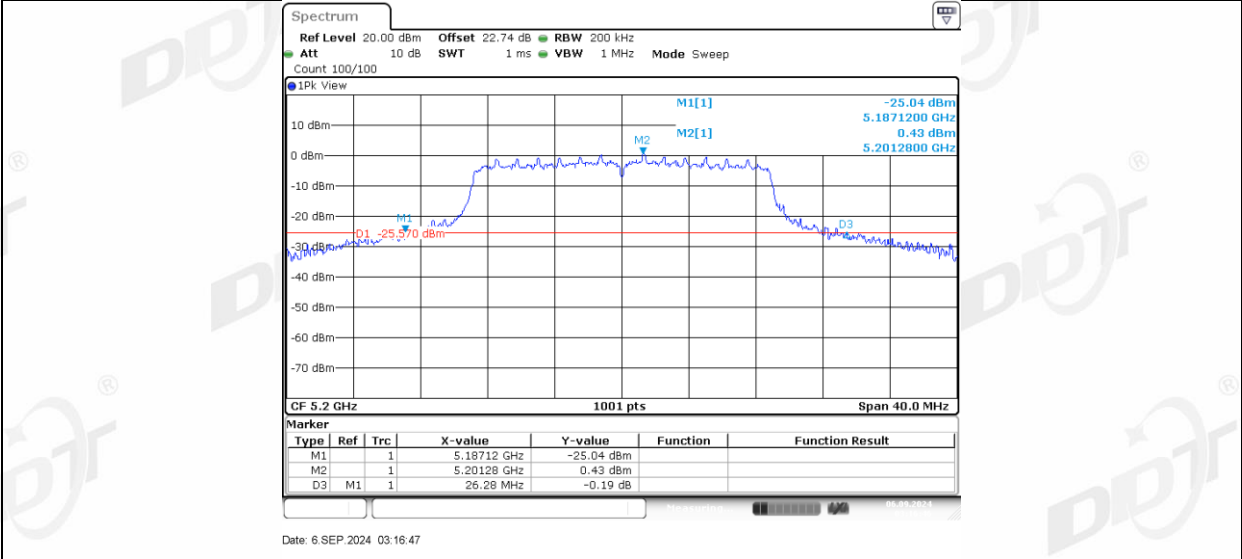




11N20MIMO_Ant1_5200



11N20MIMO_Ant2_5200



11N20MIMO_Ant1_5240

