



RADIO TEST REPORT

Applicant	:	RAKOIT TECHNOLOGY(SZ) CO., LTD.
Address of Applicant	:	Floor 13th, Building 2 Block B, Baiwang R&D Building, Baimang Community, Xili Street, Nanshan District, Shenzhen, Guangdong Province 518000, P.R.China
Manufacturer	:	RAKOIT TECHNOLOGY(SZ) CO., LTD.
Address of Manufacturer	:	Floor 13th, Building 2 Block B, Baiwang R&D Building, Baimang Community, Xili Street, Nanshan District, Shenzhen, Guangdong Province 518000, P.R.China
Equipment under Test	:	Wireless Streaming Amplifier
Model No.	:	LA50
FCC ID	:	2BCJV-LA50
IC	:	30908-LA50
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, 662911 D01 Multiple Transmitter Output v02r01
Report No.	:	DDT-RE25081404-1E04
Issue Date	:	2026/01/19
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	9
2.3.	Block diagram of EUT configuration for test.....	9
2.4.	Decision of final test mode	9
2.5.	Deviations of test standard	12
2.6.	Test environment conditions	12
2.7.	Test laboratory	12
2.8.	Measurement uncertainty	13
3.	Equipment Used During Conductive Test	14
4.	26dB Bandwidth	15
4.1.	Block diagram of test setup	15
4.2.	Limits	15
4.3.	Test procedure	15
4.4.	Test result.....	16
4.5.	Test graphs	18
5.	6dB Bandwidth	40
5.1.	Block diagram of test setup	40
5.2.	Limits	40
5.3.	Test procedure	40
5.4.	Test result B4	41
5.5.	Test graphs B4	42
6.	99% Bandwidth	50
6.1.	Block diagram of test setup	50
6.2.	Limits	50
6.3.	Test procedure	50
6.4.	Test result.....	51
6.5.	Test graphs	53
7.	Duty Cycle	76
7.1.	Block diagram of test setup	76
7.2.	Limit.....	76
7.3.	Test procedure	76
7.4.	Test result.....	77
7.5.	Test graphs	79
8.	Maximum Output Power	102

8.1.	Block diagram of test setup	102
8.2.	Limits	102
8.3.	Test procedure	102
8.4.	Test result channel power	102
9.	Power Spectral Density	106
9.1.	Block diagram of test setup	106
9.2.	Limits	106
9.3.	Test procedure	106
9.4.	Test result.....	108
9.5.	Test graphs	110
10.	Frequency Stability Measurement.....	134
10.1.	Limit of Frequency Stability	134
10.2.	Measuring Instruments.....	134
10.3.	Test procedures	134
10.4.	Test setup.....	134
10.5.	Test result.....	135
11.	Dynamic Frequency Selection.....	147
11.1.	Applicability of DFS requirements	147
11.2.	Assistant equipment used for test	148
11.3.	Limit.....	148
11.4.	Parameters of radar test waveforms	149
11.5.	Calibration of radar waveform	149
11.6.	Test Graphs.....	151
11.7.	Channel closing transmission time, channel move time and Non-Occupancy Period	152
11.8.	Test setup.....	152
11.9.	Test result.....	154
11.10.	Test Graphs.....	155
11.11.	Test Result	156
11.12.	Test Graphs.....	156
12.	Antenna Requirements.....	157
12.1.	Limit.....	157
12.2.	Result	157
13.	Radiated Emission	158
13.1.	Test equipment.....	158
13.2.	Block diagram of test setup	159
13.3.	Limits	160
13.4.	Assistant equipment used for test	162
13.5.	Test procedure	162

13.6.	Test result.....	163
13.7.	Test data	164
14.	Band Edge Compliance.....	190
14.1.	Test equipment.....	190
14.2.	Block diagram of test setup	191
14.3.	Limits	191
14.4.	Assistant equipment used for test	191
14.5.	Test procedure	191
14.6.	Test result.....	192
14.7.	Test data	192
15.	Power Line Conducted Emissions.....	268
15.1.	Test equipment.....	268
15.2.	Block diagram of test setup	268
15.3.	Limits	268
15.4.	Assistant equipment used for test	268
15.5.	Test procedure	268
15.6.	Test result.....	269
15.7.	Test data	270
16.	Test Setup Photograph	272
17.	Photos of the EUT	275

Test Report Declare

Applicant	:	RAKOIT TECHNOLOGY(SZ) CO., LTD.
Address of Applicant	:	Floor 13th, Building 2 Block B, Baiwang R&D Building, Baimang Community, Xili Street, Nanshan District, Shenzhen, Guangdong Province 518000, P.R.China
Equipment under Test	:	Wireless Streaming Amplifier
Model No.	:	LA50
Manufacturer	:	RAKOIT TECHNOLOGY(SZ) CO., LTD.
Address of Manufacturer	:	Floor 13th, Building 2 Block B, Baiwang R&D Building, Baimang Community, Xili Street, Nanshan District, Shenzhen, Guangdong Province 518000, P.R.China

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, 662911 D01 Multiple Transmitter Output 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-RE25081404-1E04		
Date of Receipt:	2025/08/22	Date of Test:	2025/08/22 - 2026/01/19

Created: Johnson Huang	Reviewed: Tiger Mo	Approved: Damon Hu
		
2025/12/24	2026/01/19	2026/01/19

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	2026/01/19	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	Antenna Requirement	47 CFR Part 15.203, RSS-Gen clause 6.8	/	Pass
8	Dynamic Frequency Selection	47 CFR Part 15 15.407 (h), RSS-247 Clause 7.3.6	/	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	: Wireless Streaming Amplifier
Model Number	: LA50
Difference of model number	: /
EUT Function Description	: Please reference user manual of this device
Power Supply	: DC 24.0V---4.16A 99.84W
Antenna Type	: FPC
Max Antenna Gain(dBi)	: 2.86dBi

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)		/	
UNII-1							
CH	Frequency (MHz)	CH	Frequency (MHz)	CH	Frequency (MHz)	CH	Frequency (MHz)
36	5180	38	5190	42	5210	/	/
40	5200	46	5230	/	/	/	/
44	5220	/	/	/	/	/	/
48	5240	/	/	/	/	/	/
UNII-2A							
52	5260	54	5270	58	5290	/	/
56	5280	62	5310	/	/	/	/
60	5300	/	/	/	/	/	/
64	5320	/	/	/	/	/	/
UNII-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: Band 5600-5650MHz will be disabled when shipped to Canada.							

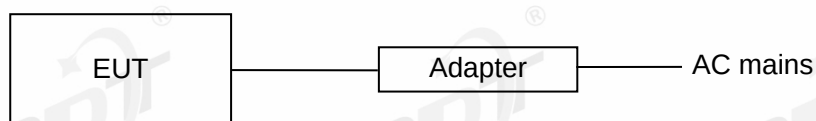
Note: The above EUT information is declared by manufacturer and for more detailed features description please refer to the manufacturer's specifications or User's Manual. The above Antenna information is declared by manufacturer and for more detailed features description please refer to the manufacturer's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

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

2.2. Accessories of EUT

Accessories	Manufacturer	Model number	Description
/	/	/	/

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: SecureCRT

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	ANT2			
IEEE 802.11a	160	/	6	LCH: CH36	5180
	160	/	6	MCH: CH40	5200
	160	/	6	HCH: CH48	5240
	160	/	6	LCH: CH52	5260
	160	/	6	MCH: CH56	5280
	160	/	6	HCH: CH64	5320
	160	/	6	LCH: CH100	5500
	160	/	6	MCH: CH116	5580
	160	/	6	HCH: CH140	5700
	160	/	6	Straddle: CH144	5720
	160	/	6	LCH: CH149	5745
	160	/	6	MCH: CH157	5785
	160	/	6	HCH: CH165	5825
IEEE 802.11n HT20	160	/	MCS 0	LCH: CH36	5180
	160	/	MCS 0	MCH: CH40	5200
	160	/	MCS 0	HCH: CH48	5240
	160	/	MCS 0	LCH: CH52	5260
	160	/	MCS 0	MCH: CH56	5280
	160	/	MCS 0	HCH: CH64	5320
	160	/	MCS 0	LCH: CH100	5500
	160	/	MCS 0	MCH: CH116	5580
	160	/	MCS 0	HCH: CH140	5700
	160	/	MCS 0	Straddle: CH144	5720
	160	/	MCS 0	LCH: CH149	5745
	160	/	MCS 0	MCH: CH157	5785
	160	/	MCS 0	HCH: CH165	5825
IEEE 802.11n HT40	120	/	MCS 0	LCH: CH38	5190
	120	/	MCS 0	HCH: CH46	5230
	120	/	MCS 0	LCH: CH54	5270
	120	/	MCS 0	HCH: CH62	5310
	120	/	MCS 0	LCH: CH102	5510
	120	/	MCS 0	MCH: CH110	5550
	120	/	MCS 0	HCH: CH134	5670

	120	/	MCS 0	Straddle: CH142	5710
	120	/	MCS 0	LCH: CH151	5755
	120	/	MCS 0	HCH: CH159	5795
IEEE 802.11ac VHT20	170	/	MCS 8	LCH: CH36	5180
	170	/	MCS 8	MCH: CH40	5200
	170	/	MCS 8	HCH: CH48	5240
	170	/	MCS 8	LCH: CH52	5260
	170	/	MCS 8	MCH: CH56	5280
	170	/	MCS 8	HCH: CH64	5320
	170	/	MCS 8	LCH: CH100	5500
	170	/	MCS 8	MCH: CH116	5580
	170	/	MCS 8	HCH: CH140	5700
	170	/	MCS 8	Straddle: CH144	5720
	170	/	MCS 8	LCH: CH149	5745
	170	/	MCS 8	MCH: CH157	5785
	170	/	MCS 8	HCH: CH165	5825
IEEE 802.11 ac VHT40	144	/	MCS 8	LCH: CH38	5190
	144	/	MCS 8	HCH: CH46	5230
	144	/	MCS 8	LCH: CH54	5270
	144	/	MCS 8	HCH: CH62	5310
	144	/	MCS 8	LCH: CH102	5510
	144	/	MCS 8	MCH: CH110	5550
	144	/	MCS 8	HCH: CH134	5670
	144	/	MCS 8	Straddle: CH142	5710
	144	/	MCS 8	LCH: CH159	5755
	144	/	MCS 8	HCH: CH36	5795
IEEE 802.11ac VHT80	85	/	MCS 0	CH42	5210
	85	/	MCS 0	CH58	5290
	85	/	MCS 0	LCH: CH106	5530
	85	/	MCS 0	HCH: CH122	5610
	85	/	MCS 0	Straddle: CH138	5690
	85	/	MCS 0	CH155	5775
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

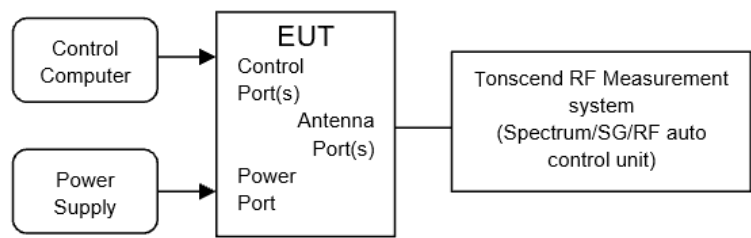
Test Item	Uncertainty
Bandwidth	1.9%
Peak Output Power (Conducted) (Spectrum analyzer)	0.98 dB
Peak Output Power (Conducted) (Power Sensor)	1.18 dB
Power Spectral Density (Base EIRP)	1.51 dB
Power Spectral Density (Spectrum analyzer)	0.98 dB
Frequencies Stability	1.9 kHz
Conducted spurious emissions	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
☒ RF Connected Test (RF Measurement System 4#)				
Signal &Spectrum Analyzer	R&S	FSV3044	101173	2026/03/28
Wideband Radio Communication Tester	R&S	CMW500	168801	2026/03/28
MXG Vector Signal Generator	Agilent	N5182A	MY48180737	2026/03/28
PSG Vector Signal Generator	Agilent	E8267D	US49060192	2026/08/10
RF Control Unit	Tonscend	JS0806-2	21I8060485	2026/03/28
TEMP&HUMI Programmable Chamber	ZHIXIANG	ZXGDJS-150L	ZX170110-A	2026/03/28
Test Software	Tonscend	JS1120-3	V3.6.21	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:	Wayne Huang	Test Site:	RF Measurement System 4#
Ambient Condition:	25.2°C,45.7%RH	Test Date:	2025.11.12-2025.11.16
Test Power Supply:	AC 120V/60Hz	Sample Number:	S25081404-002

Test Mode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	28.24	5164.60	5192.84	---	---
		5200	25.40	5186.76	5212.16	---	---
		5240	26.00	5226.76	5252.76	---	---
		5260	28.12	5244.64	5272.76	---	---
		5280	26.80	5265.64	5292.44	---	---
		5320	27.16	5305.56	5332.72	---	---
		5500	27.72	5485.64	5513.36	---	---
		5580	28.28	5564.64	5592.92	---	---
		5700	25.60	5686.48	5712.08	---	---
		5745	24.60	5731.16	5755.76	---	---
		5785	25.48	5771.20	5796.68	---	---
11N20SISO	Ant1	5825	24.72	5811.16	5835.88	---	---
		5180	27.04	5165.64	5192.68	---	---
		5200	26.68	5186.16	5212.84	---	---
		5240	27.04	5225.56	5252.60	---	---
		5260	25.84	5246.16	5272.00	---	---
		5280	27.80	5264.92	5292.72	---	---
		5320	25.60	5306.16	5331.76	---	---
		5500	27.96	5485.20	5513.16	---	---
		5580	28.12	5564.08	5592.20	---	---
		5700	25.88	5686.04	5711.92	---	---
		5745	24.16	5731.80	5755.96	---	---
11N40SISO	Ant1	5785	24.32	5771.96	5796.28	---	---
		5825	25.16	5811.44	5836.60	---	---
		5190	44.56	5167.28	5211.84	---	---
		5230	44.56	5207.76	5252.32	---	---
		5270	44.32	5247.76	5292.08	---	---
		5310	45.68	5286.40	5332.08	---	---
		5510	45.68	5487.12	5532.80	---	---
		5550	46.80	5525.68	5572.48	---	---
		5670	45.28	5646.80	5692.08	---	---
11AC20SISO	Ant1	5755	44.96	5732.28	5777.24	---	---
		5795	46.40	5771.48	5817.88	---	---
		5180	29.40	5165.12	5194.52	---	---
		5200	28.28	5184.68	5212.96	---	---
		5240	28.84	5225.56	5254.40	---	---
		5260	28.68	5245.68	5274.36	---	---
		5280	28.64	5264.24	5292.88	---	---
		5320	28.76	5303.88	5332.64	---	---
		5500	29.20	5484.68	5513.88	---	---
		5580	27.96	5565.56	5593.52	---	---
		5700	27.80	5685.52	5713.32	---	---
11AC40SISO	Ant1	5745	28.16	5729.28	5757.44	---	---
		5785	25.60	5771.12	5796.72	---	---
		5825	28.28	5809.80	5838.08	---	---
		5190	44.08	5167.76	5211.84	---	---
		5230	52.88	5204.32	5257.20	---	---
		5270	46.56	5245.52	5292.08	---	---
		5310	44.88	5286.96	5331.84	---	---
		5510	58.64	5482.64	5541.28	---	---
		5550	60.48	5522.88	5583.36	---	---
11AC80SISO	Ant1	5670	44.64	5647.52	5692.16	---	---
		5755	47.44	5729.80	5777.24	---	---
		5795	49.28	5770.60	5819.88	---	---
		5210	82.08	5169.04	5251.12	---	---

O	5290	82.24	5248.88	5331.12	---	---
	5530	82.24	5488.88	5571.12	---	---
	5610	87.36	5564.88	5652.24	---	---
	5775	90.88	5725.24	5816.12	---	---

Test Mode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5720	26.08	5706.40	5732.48	---	---
		5720 UNII-2C	18.6	5706.40	5725	---	---
		5720 UNII-3	7.48	5725	5732.48	---	---
11N20SISO	Ant1	5720	27.12	5705.24	5732.36	---	---
		5720 UNII-2C	19.76	5705.24	5725	---	---
		5720 UNII-3	7.36	5725	5732.36	---	---
11N40SISO	Ant1	5710	44.16	5687.84	5732.00	---	---
		5710 UNII-2C	37.16	5687.84	5725	---	---
		5710 UNII-3	7	5725	5732.00	---	---
11AC20SISO	Ant1	5720	31.64	5702.68	5734.32	---	---
		5720 UNII-2C	22.32	5702.68	5725	---	---
		5720 UNII-3	9.32	5725	5734.32	---	---
11AC40SISO	Ant1	5710	47.44	5684.96	5732.40	---	---
		5710 UNII-2C	40.04	5684.96	5725	---	---
		5710 UNII-3	7.4	5725	5732.40	---	---
11AC80SISO	Ant1	5690	82.08	5648.88	5730.96	---	---
		5690 UNII-2C	76.12	5648.88	5725	---	---
		5690 UNII-3	5.96	5725	5730.96	---	---

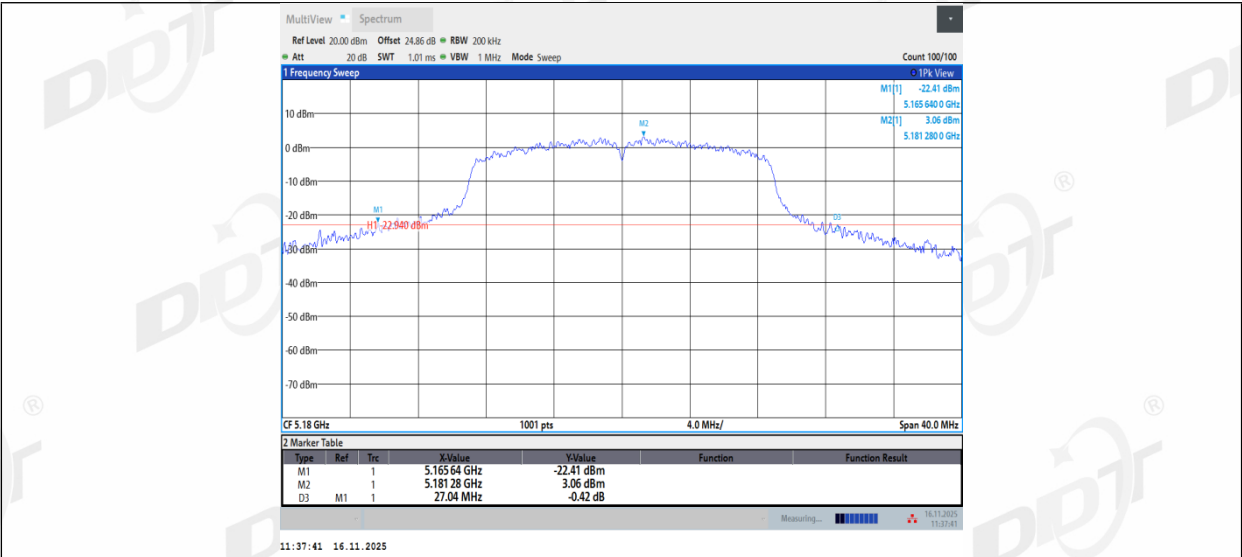
4.5. Test graphs



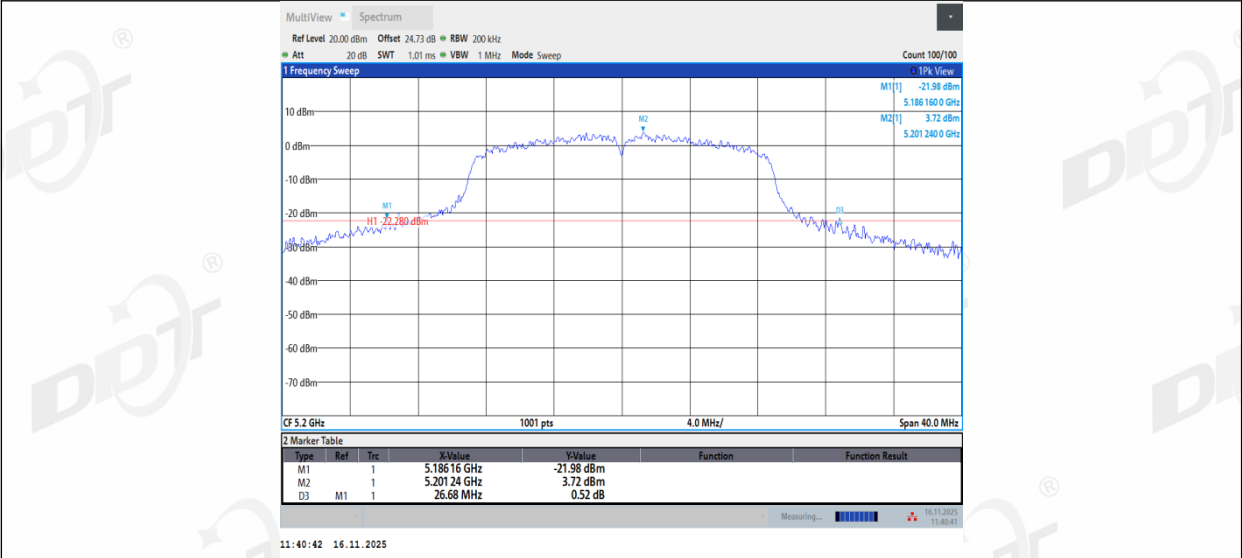




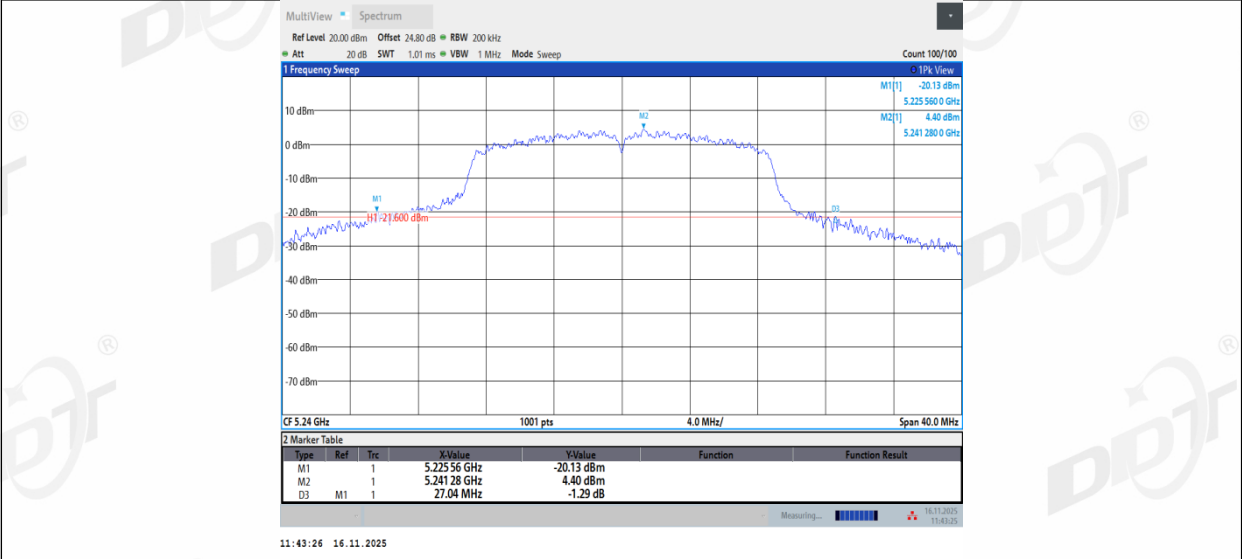




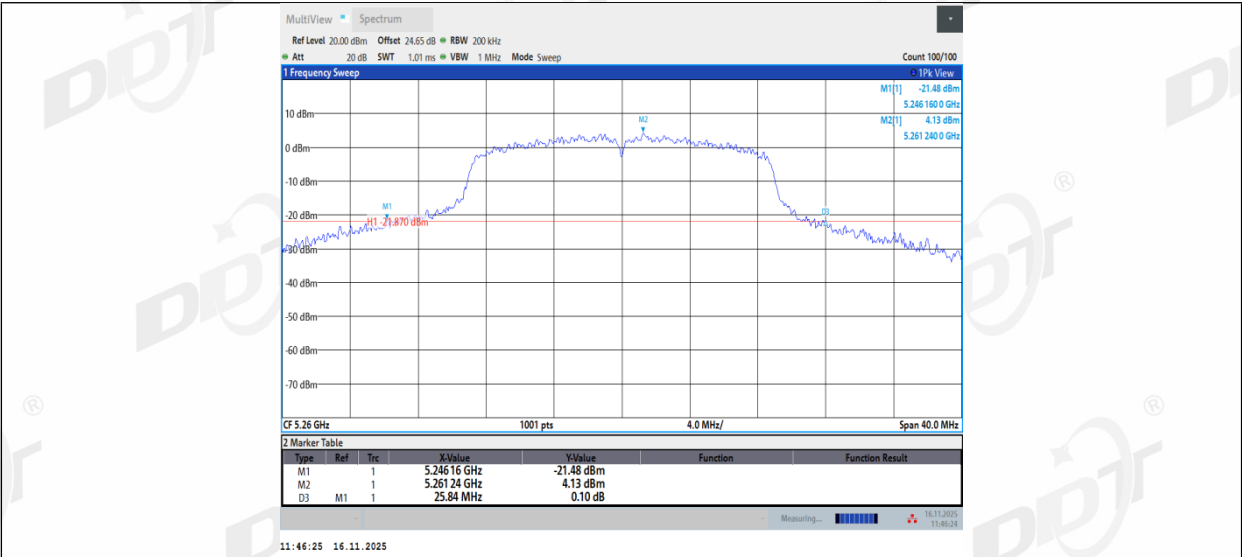
11N20SISO_Ant1_5200



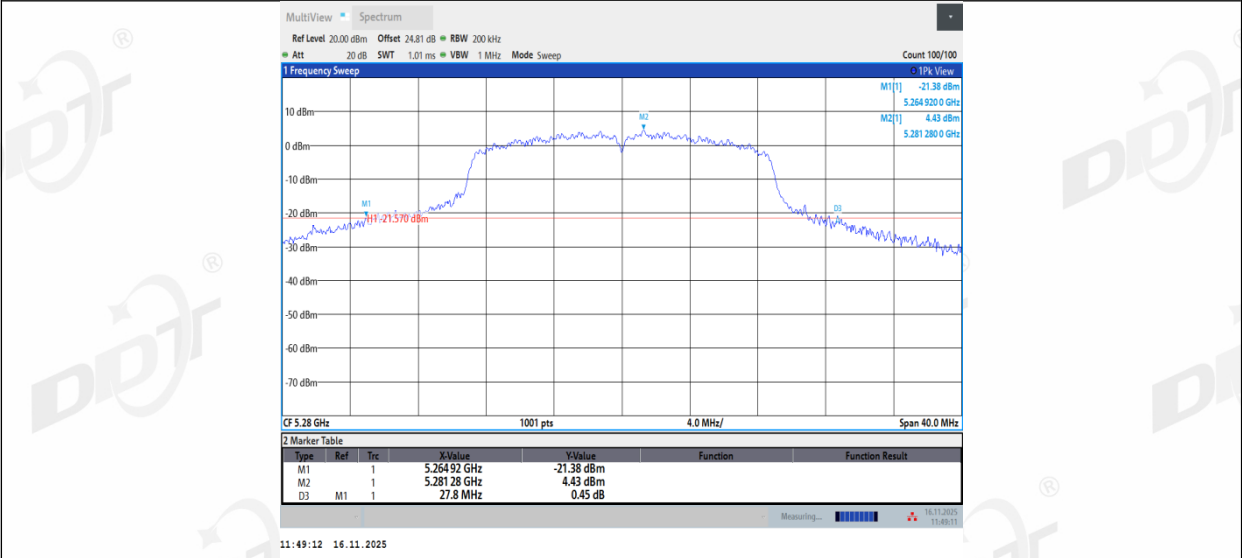
11N20SISO_Ant1_5240



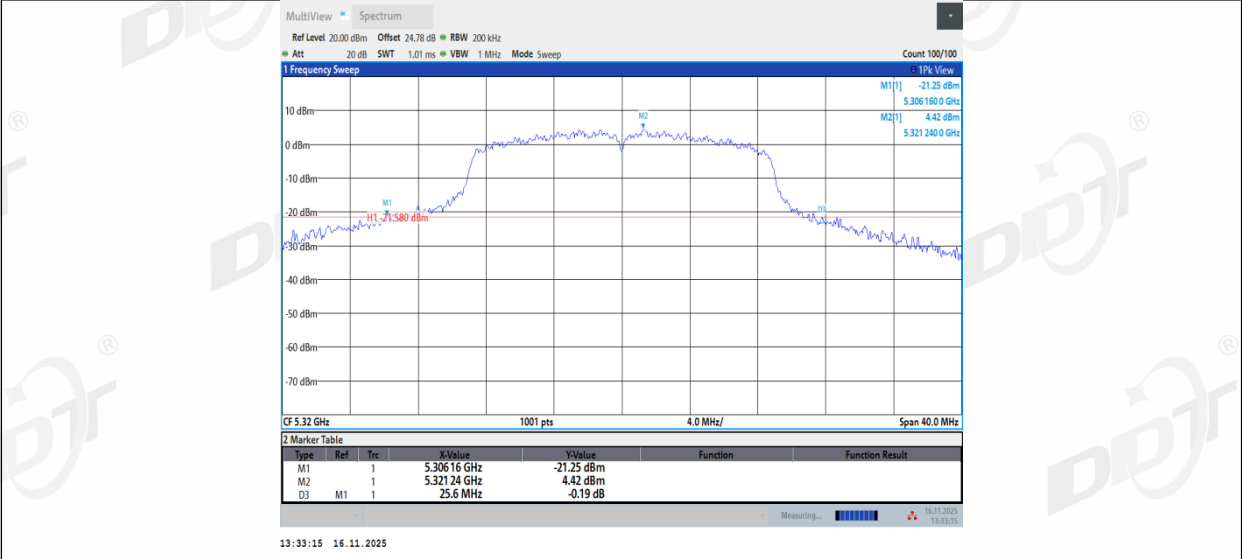
11N20SISO_Ant1_5260



11N20SISO_Ant1_5280

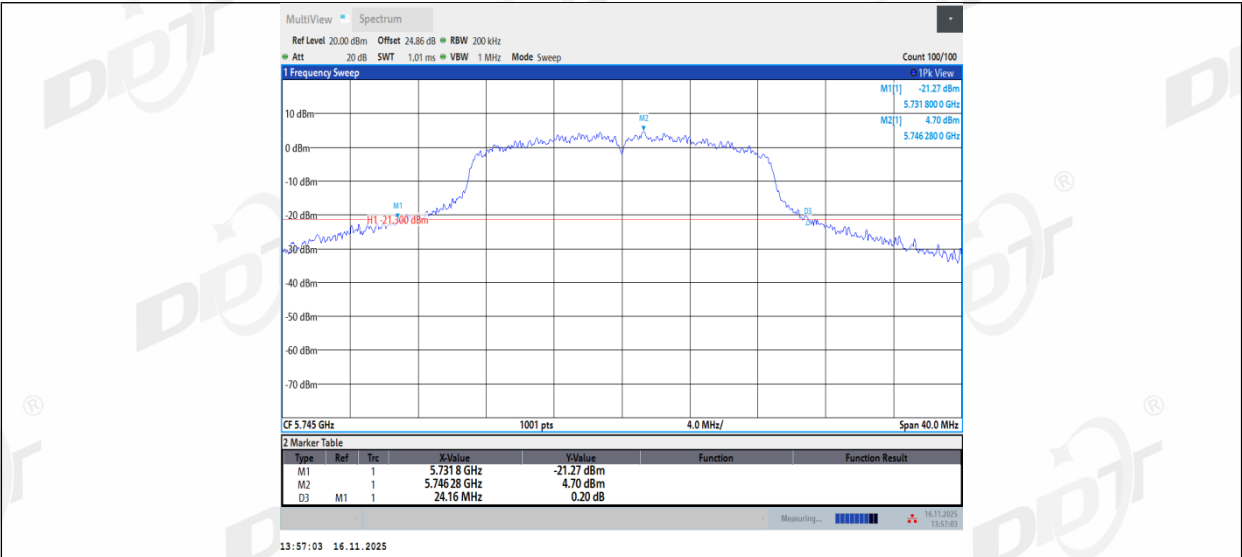


11N20SISO_Ant1_5320

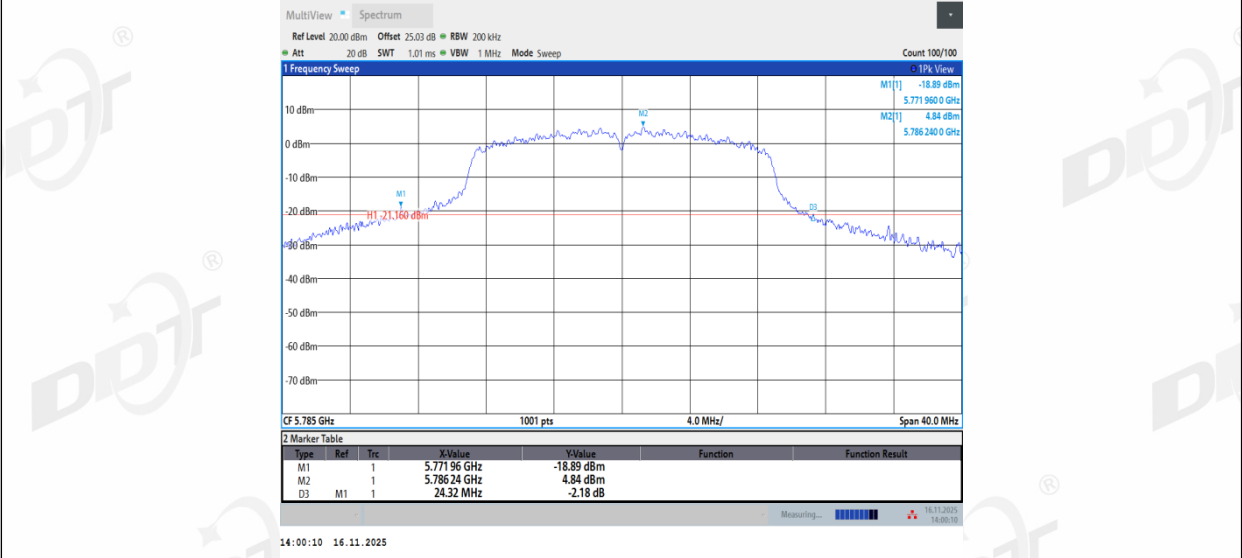


11N20SISO_Ant1_5500

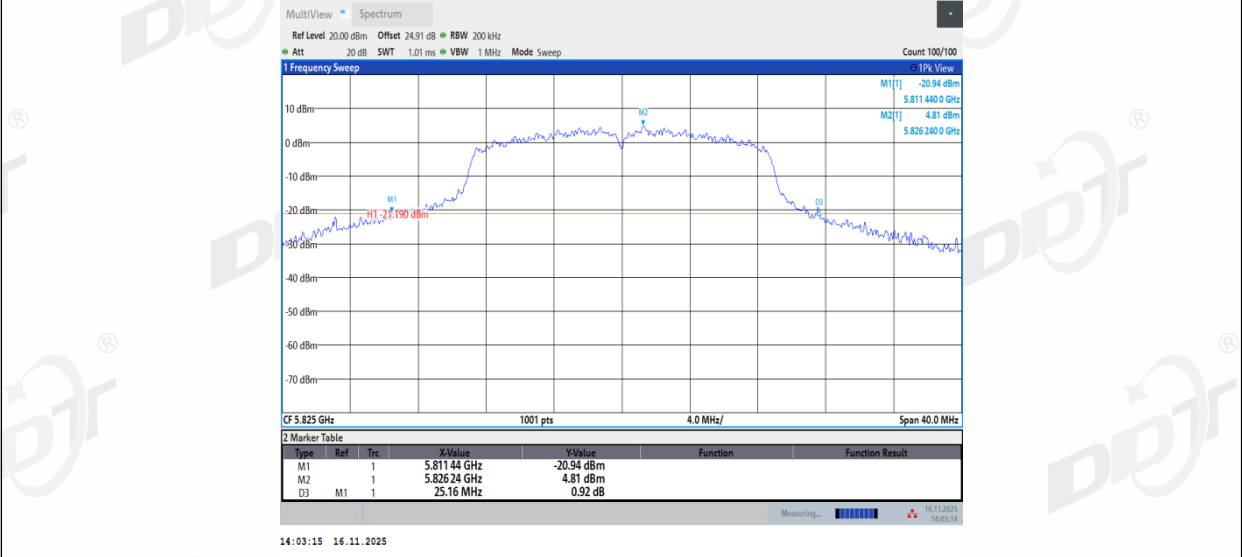




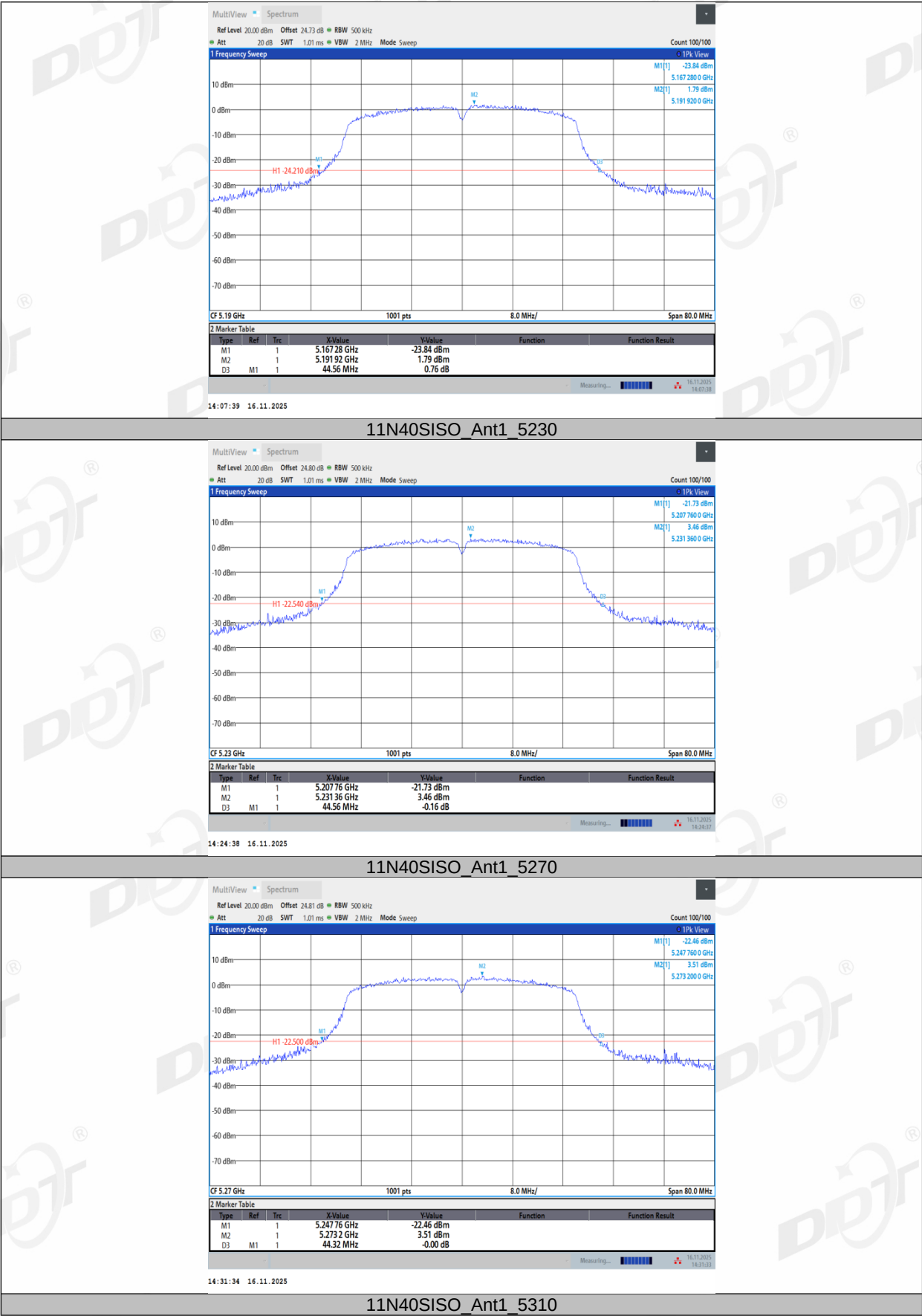
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



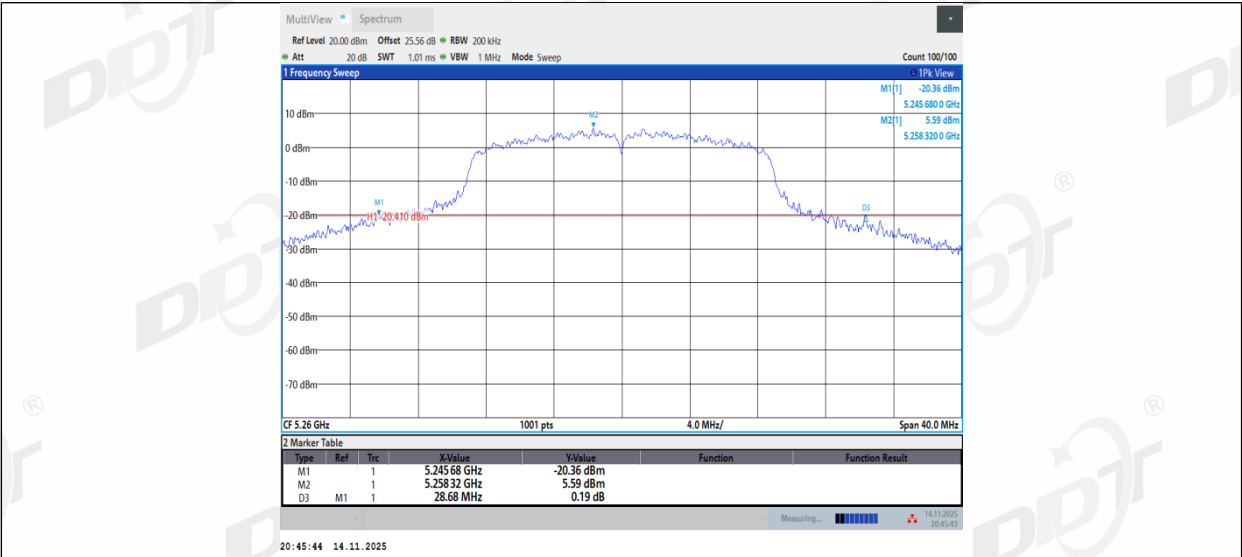
11N40SISO_Ant1_5190



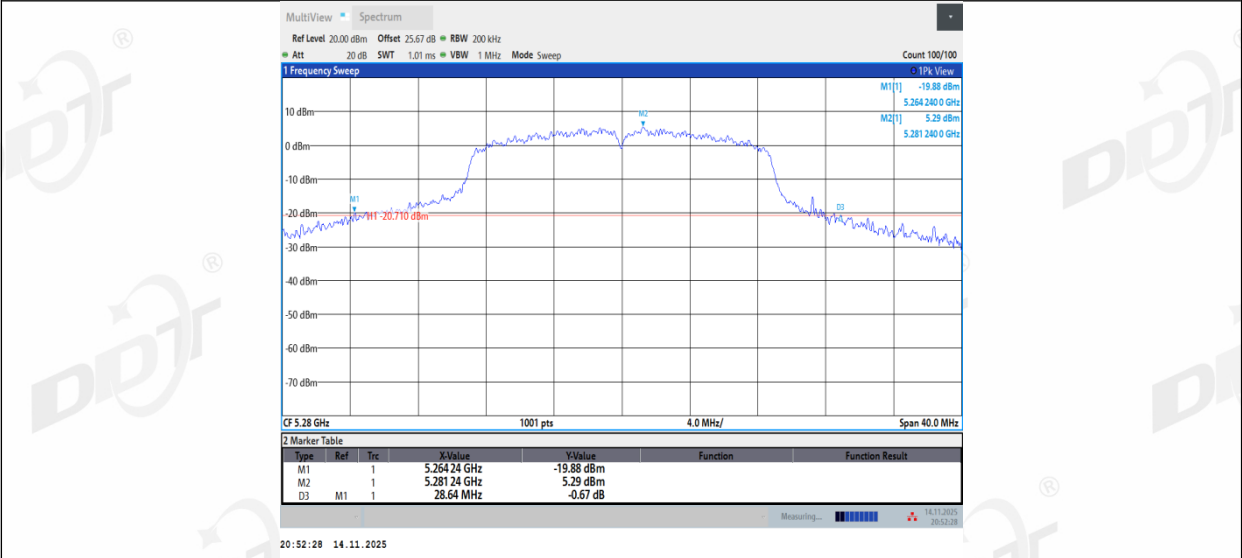




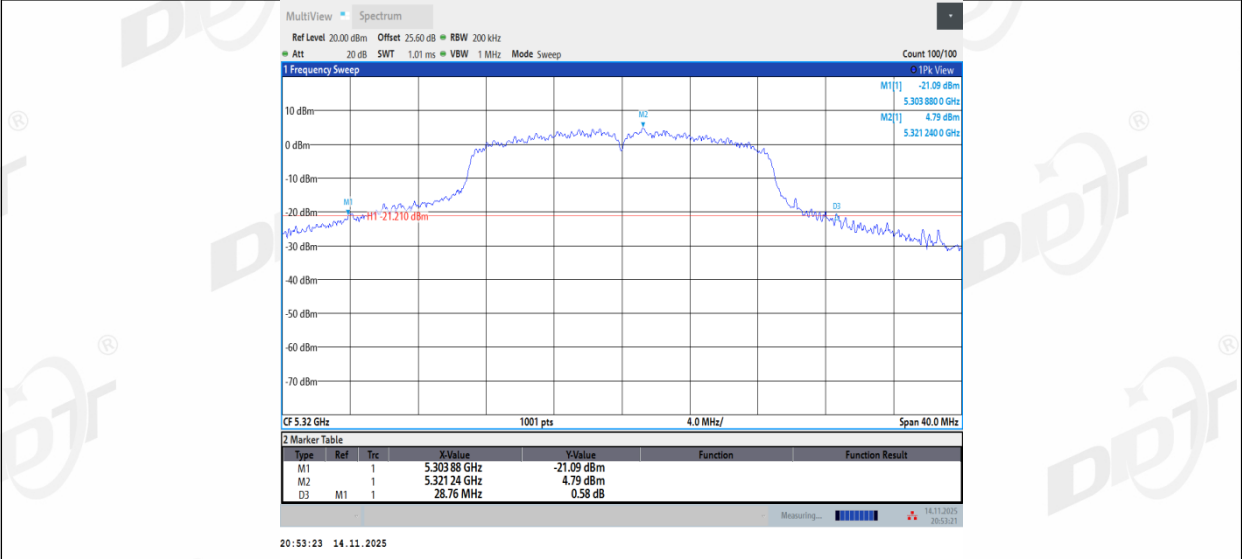




11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



11AC20SISO_Ant1_5500

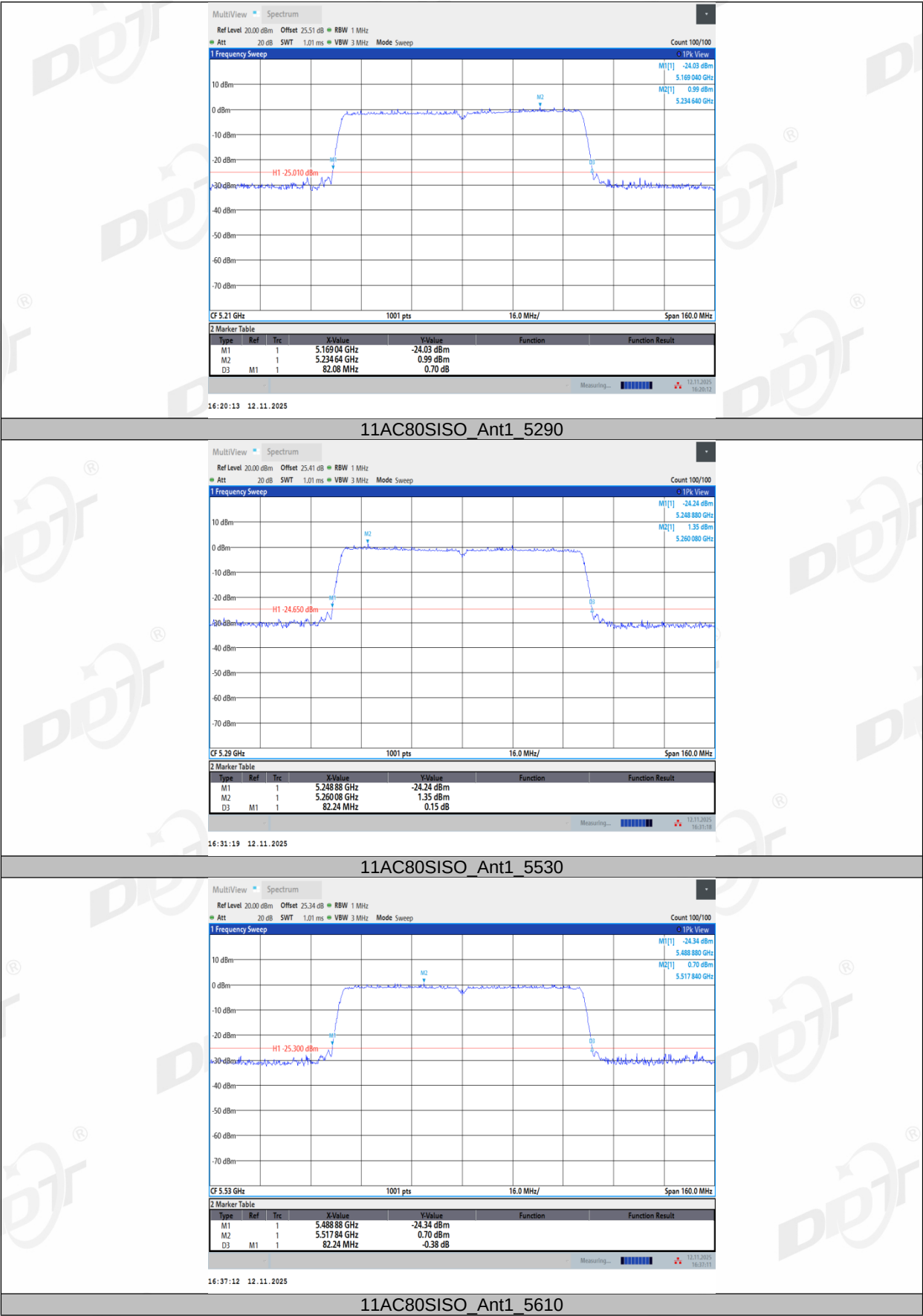


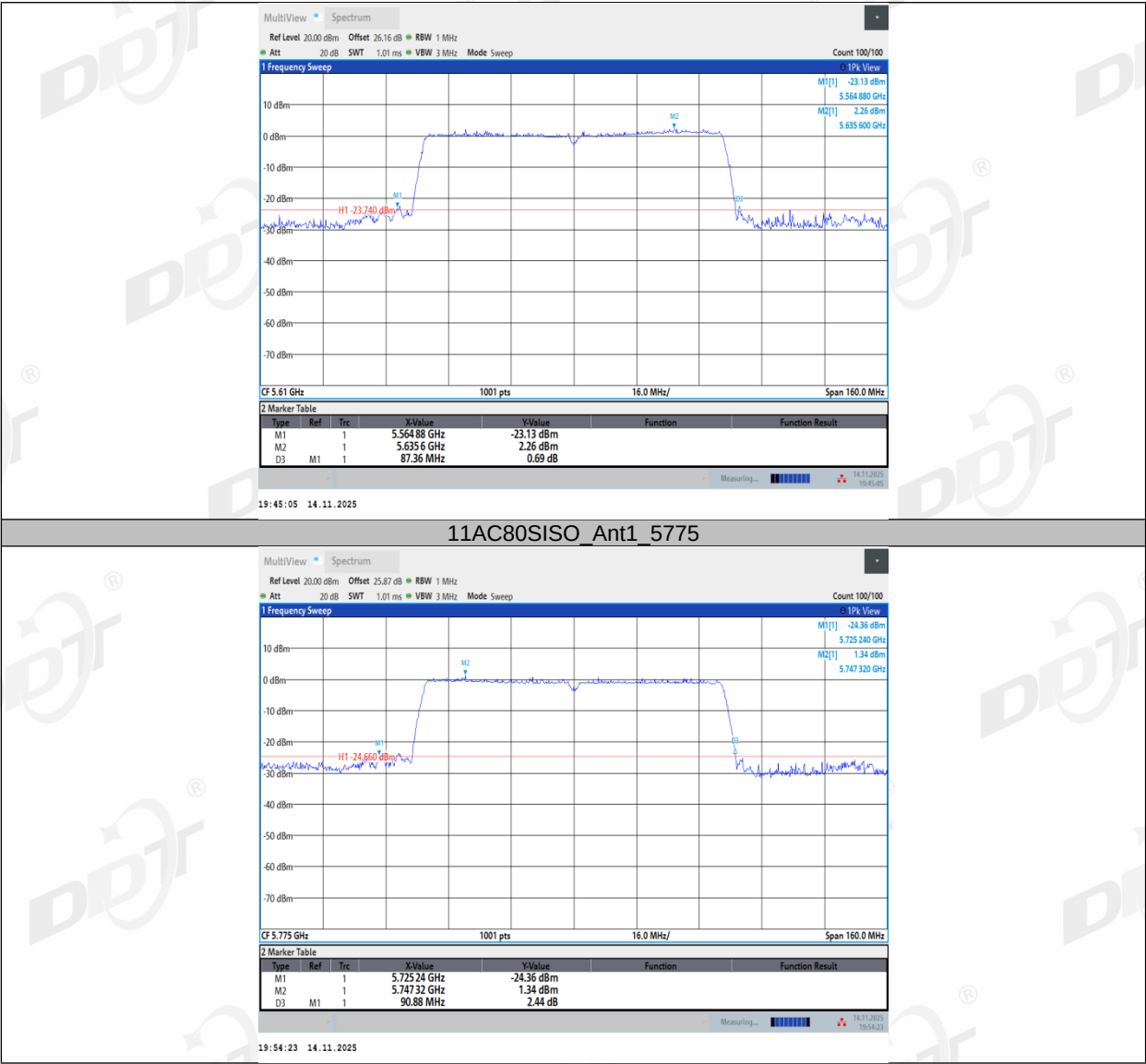


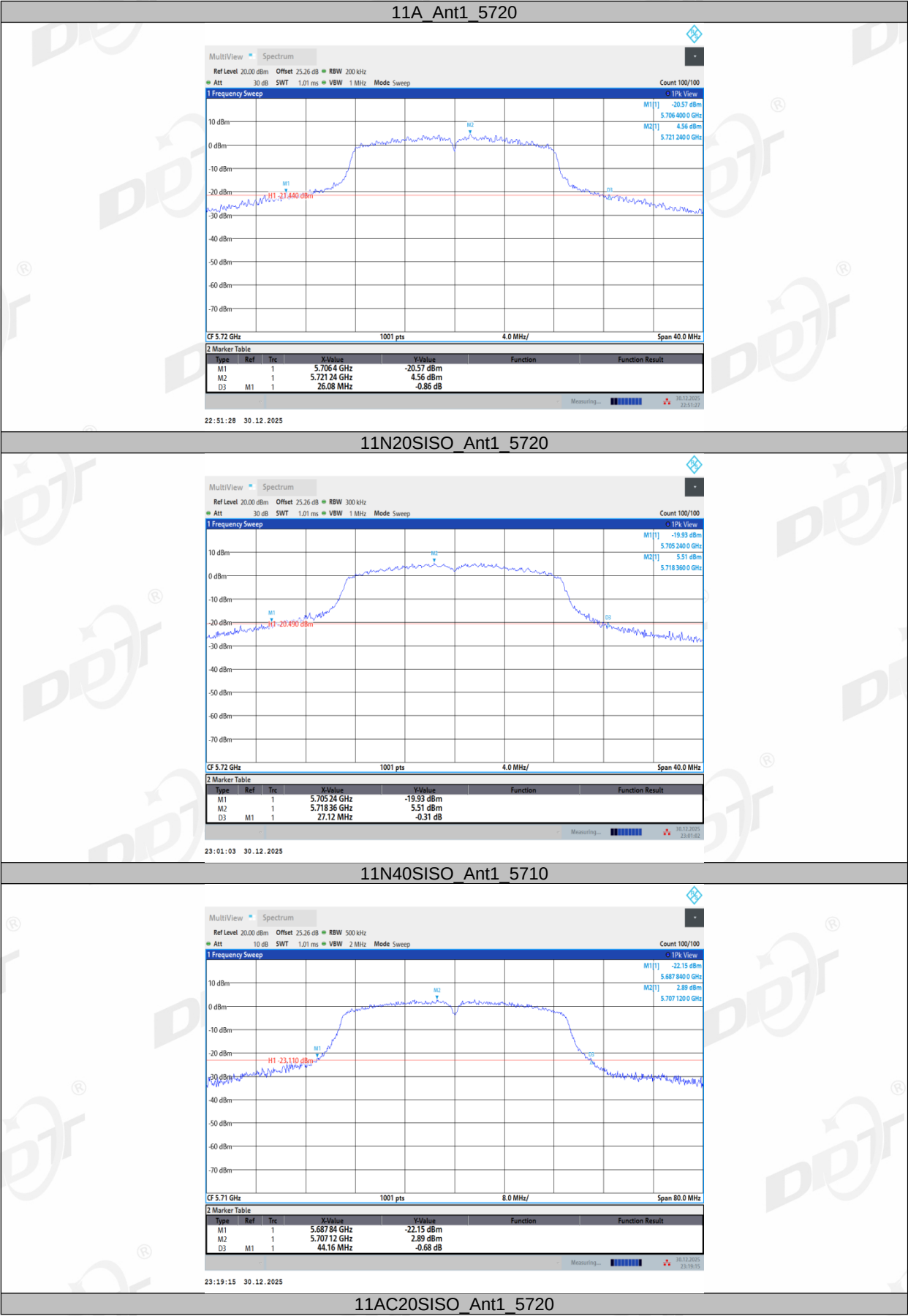


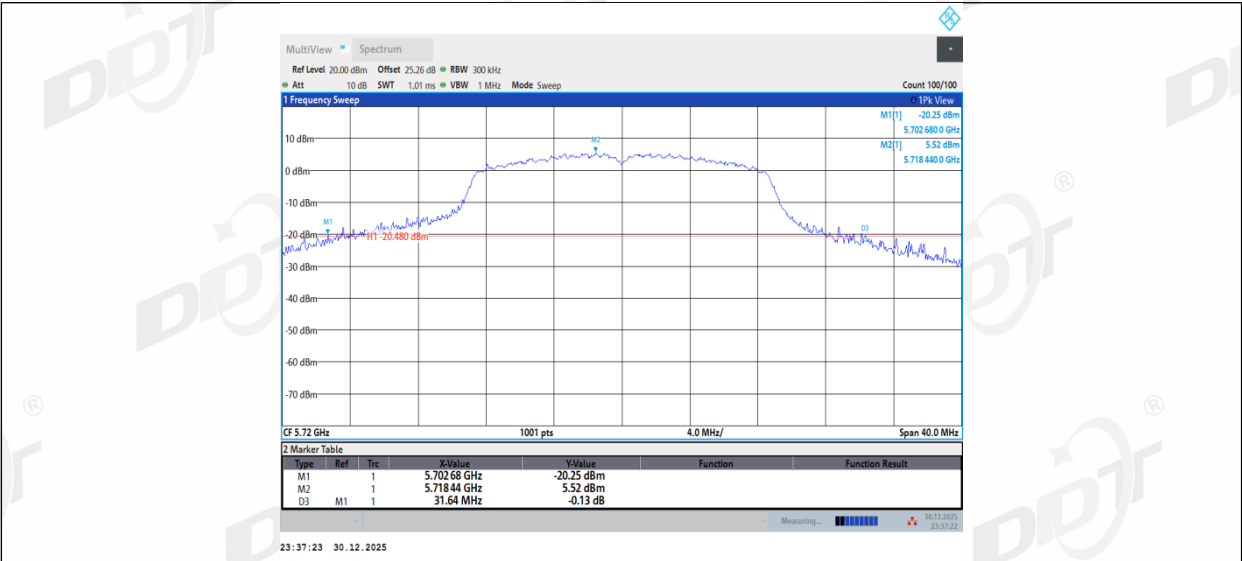




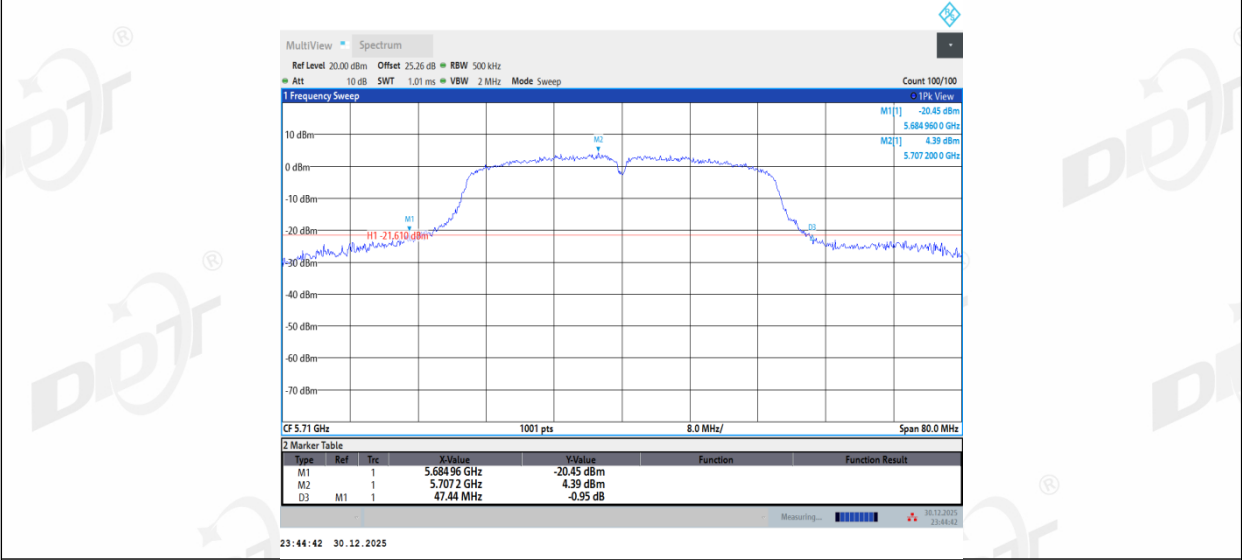




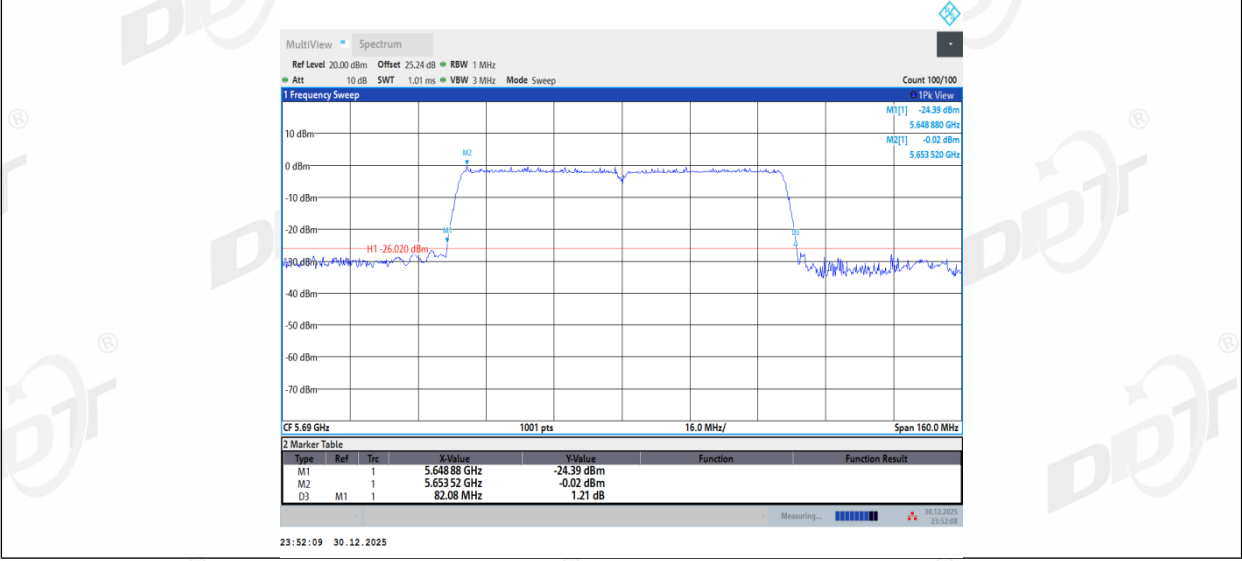




11AC40SISO_Ant1_5710

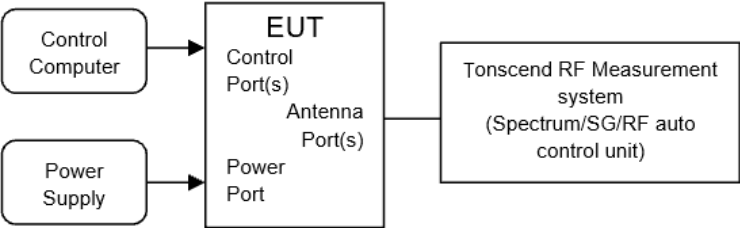


11AC80SISO_Ant1_5690



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.