

RRA-EMIESS24F158INS-01Av0

Certification Radio test report

According to the standard:

CFR 47 FCC PART 15

RSS GEN – Issue 5

RSS 247 – Issue 3

Equipment under test:

ISP5261

FCC ID: 2AAQS-ISP5261

IC NUMBER: 11306A-ISP5261

Company:

INSIGHT SIP

Distribution: Mr FATTOUH

(Company: INSIGHT SIP)

Number of pages: 231 with 3 annexes

Ed.	Date	Modified Page(s)	Technical Verification and Quality Approval	
			Name and Function	Visa
0	28-Nov-25	Creation	M. DUMESNIL, Radio Laboratory Manager	

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This document is the result of testing a specimen or a sample of the product submitted. It does not imply an assessment of the conformity of the whole manufactured products of the tested sample.

Information in italics are declared by the manufacturer/customer and are under his responsibility

DESIGNATION OF PRODUCT: *ISP5261*

Serial number (S/N): *Prototype (identification RAD2)*

Reference / model (P/N): *ISP5261*

Software version: *2.0.0.20*

MANUFACTURER: *INSIGHT SIP*

COMPANY SUBMITTING THE PRODUCT:

Company: INSIGHT SIP

Address: 400 AVENUE ROUMANILLE
GREENSIDE BAT 7
06906 – SOPHIA-ANTIPOLIS
FRANCE

Responsible: Mr FATTOUH

Person(s) present during the tests: /

DATES OF TEST: From 17-Jul-25 to 28-Jul-25

TESTING LOCATION: EMITECH ANGERS laboratory at BEAUCOUZE (49) FRANCE

FCC Accredited under US-EU MRA Designation Number: FR0009
Test Firm Registration Number: 873677

ISED Accredited under CANADA-EU MRA Designation Number: FR0001
Industry Canada Registration Number: 4452A

TESTED BY: B. VOVARD

VISA:

WRITTEN BY: B. VOVARD

A handwritten signature in black ink, appearing to read "B. Vovard", with a long horizontal stroke extending to the right.

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REVISIONS HISTORY

Revision	Date	Modified pages	Modifications
0	5-Aug-25	/	Creation

1. INTRODUCTION

This report presents the results of radio test carried out on the following radio equipment: **ISP5261**, in accordance with normative reference.

The equipment under test integrates:

- Thread 2.4 GHz transceiver radio function not already certified,
- WiFi 2.4 / 5 GHz transceiver radio function not already certified,
- BLE transceiver radio part function not already certified.

This report concerns only WiFi 5 GHz radio part.

2. PRODUCT DESCRIPTION

Category of equipment (ISED):	I
Class:	B
Utilization:	Residential
Antenna type and gain:	2.15 dBi (integrated antenna)
Operating frequency range:	From 5150 MHz to 5250 MHz band U-NII-1 From 5250 MHz to 5350 MHz band U-NII-2A From 5470 MHz to 5725 MHz band U-NII-2C From 5725 MHz to 5850 MHz band U-NII-3
Number of channels:	4 for band 5150 MHz to 5250 MHz 4 for band 5250 MHz to 5470 11 for band 5470 MHz to 5725 MHz 5 for band 5725 MHz to 5850 MHz
Channel spacing:	20 MHz
Channel bandwidth:	20 MHz
Mode tested:	802.11 a 802.11 n 802.11 ac 802.11 ax
Channel tested:	Channel 36: 5180 MHz Channel 40: 5200 MHz Channel 48: 5240 MHz Channel 52: 5260 MHz Channel 60: 5300 MHz Channel 64: 5320 MHz Channel 100: 5500 MHz Channel 124: 5620 MHz Channel 140: 5700 MHz Channel 149: 5745 MHz Channel 157: 5785 MHz Channel 165: 5825 MHz
Modulation tested:	OFDM: BPSK
Power setting	20 dBm
Power source:	Module Input: 3.14 to 3.46 Vdc Micro USB Input (Used for measurements): 5 Vdc

Power level, frequency range and channels characteristics are not user adjustable.
The details pictures of the product and the circuit boards are joined with this file.

3. NORMATIVE REFERENCE

The standards and testing methods related throughout this report are those listed below. They are applied on the whole test report even though the extensions (version, date and amendment) are not repeated.

CFR 47 FCC Part 15 (2025)	Radio Frequency Devices
ANSI C63.10	2020 + Corrigendum (2023) + Amendment 1 (2024) Procedures for Compliance Testing of Unlicensed Wireless Devices.
789033 D02 General UNII Test Procedures New Rules v02r01	Guidelines for compliances testing of unlicensed national information infrastructure (U-NII) devices pat 15, subpart E
RSP-100	Issue 12, August 2019 Certification of Radio Apparatus and Broadcasting equipment
RSS-Gen	Issue 5, April 2018 General Requirements for Compliance of Radio Apparatus
RSS-247	Issue 3, August 2023 Digital Transmission Systems (DTSS), Frequency Hopping Systems (FHSs)

4. TEST METHODOLOGY

Radio performance tests procedures given in CFR 47 part 15:

Subpart C – Intentional Radiators

- Paragraph 203: Antenna requirement
- Paragraph 205: Restricted bands of operation
- Paragraph 207: Conducted limits
- Paragraph 209: Radiated emission limits; general requirements

Subpart E – Unlicensed national information infrastructure devices

- Paragraph 407: General technical requirements

Radio performance tests procedures given in RSS-Gen:

- Paragraph 2 - General
- Paragraph 3 - Normative publications and related documents
- Paragraph 4 - Labelling requirements
- Paragraph 6 - General administrative and technical requirements
- Paragraph 8 - Licence-exempt Radio Apparatus

Radio performance tests procedures given in RSS-247:

- Paragraph 3 - Certification requirements
- Paragraph 4 - Measurement method
- Paragraph 6 - Technical requirements for licence-exempt local area network devices and digital transmission systems operating in the 5 GHz Band

5. TEST EQUIPMENT CALIBRATION DATES

Emitech Number	Model	Type	Last calibration (DD/MM/YYYY)	Calibration interval (years)	Next calibration due (DD/MM/YYYY)
0	BAT-EMC V3.18.0.26	Software	/	/	/
4087	Filtek LP03/1000-7GH	Low Pass Filter	07/02/2023	3	06/02/2026
4353	ATM WR28	Antenna	02/08/2022	3	01/08/2025
6606	Microtronics LPM 15601	Low Pass Filter	16/08/2022	3	15/08/2025
6607	Microtronics HPM 15600	High Pass Filter	16/08/2022	3	15/08/2025
7124	A.H. Systems SAS-572	Antenna	16/05/2025	3	15/05/2028
7190	R&S HL223	Antenna	10/04/2025	3	09/04/2028
7240	Emco 3110	Biconical antenna	10/04/2025	3	09/04/2028
7566	Testo 608-H1	Meteo station	17/12/2024	2	17/12/2026
8507	Pacific 360-AMXT-UPC32	Power source	(1)	(1)	(1)
8508	California instruments 1251RP	Power source	(1)	(1)	(1)
8548	Midwest Microwave 10dB	Attenuator	08/02/2023	3	07/02/2026
8915	Outside Room 1	Emitech	/	/	/
8974	STORM MICROWAE k-20cm	Cable	29/01/2024	2	28/01/2026
9489	Absorber sheath current	Emitech	06/03/2024	2	06/03/2026
10319	Fluke 177	Multimeter	10/06/2025	1	10/06/2026
10771	EMCO 3117	Antenna	30/11/2022	3	30/11/2025
10789	MATURO	Turntable and mat controller NCD	/	/	/
11535	R&S EZ-25	High pass filter	02/01/2023	3	01/01/2026
11592	R&S NRV-Z86	Power Sensor	08/07/2025	2	08/07/2027
12590	LUCIX Corp S005180M3201	Low-noise amplifier	23/05/2025	1	23/05/2026
14304	SUCOFLEX N-2.5m	Cable	11/12/2024	2	11/12/2026
14903	Fluke 177	Multimeter	22/12/2023	2	21/12/2025
15666	R&S FSV40	Spectrum Analyzer	09/04/2025	2	09/04/2027
16109	C&C HPF180400	High pass filter	11/08/2022	3	10/08/2025

(1) The equipment is not verified; instead, the output voltage is checked before each measurement with the calibrated multimeter.

Emitech Number	Model	Type	Last calibration (DD/MM/YYYY)	Calibration interval (years)	Next calibration due (DD/MM/YYYY)
18418	MechANC - Type K - 1m	Cable	02/09/2024	2	02/09/2026
19274	ASC - ASC805C	Low-noise amplifier	19/12/2024	1	19/12/2025
19383	Schwarzbeck NSLK 8127	LISN	30/01/2024	3	30/01/2027
19462	R&S ESW44	Test receiver	10/06/2025	1	10/06/2026
19877	HYTEM - N - 5m	Cable	30/08/2024	2	30/08/2026
19887	HYTEM - N - 1m	Cable	30/08/2024	2	30/08/2026
19898	HYTEM - N - 2.5m	Cable	30/08/2024	2	30/08/2026
19907	HYTEM - N - 5.8m	Cable	30/08/2024	2	30/08/2026
20040	COMTEST FAR-2	Anechoic chamber	/	/	/
20179	Testo 622	Meteo station	15/01/2025	1	15/01/2026
20345	QOTANA DBLNA418004000N	Low-noise amplifier	17/04/2025	1	17/04/2026
//	RS Commander V2.4.2	Software	/	/	/
///	R&S Power Viewer Plus V13.1	Software	/	/	/

6. TESTS RESULTS SUMMARY

6.1 intentional radiator (subpart C)

Test procedure	Description of test	Respected criteria?				Comment
		Yes	No	NAp	NAs	
FCC Part 15.203	ANTENNA REQUIREMENT	X				Note 1
FCC Part 15.205	RESTRICTED BANDS OF OPERATION	X				
FCC Part 15.207	CONDUCTED LIMITS	X				
FCC Part 15.209	RADIATED EMISSION LIMITS; general requirements	X				Note 2

NAp: Not Applicable

NAs: Not Asked

Note 1: Integrated antenna with maximal gain of 2.15 dBi.

Note 2: See FCC part 15.407.

6.2 unlicensed national information infrastructure device (subpart E)

Test procedure	Description of test	Respected criteria?				Comment
		Yes	No	NAp	NAs	
FCC Part 15.407	GENERAL TECHNICAL REQUIREMENTS					
	a) Power limits					Note 1
	a) (1) in the band 5150–5250 MHz	X				
	a) (2) in the bands 5250–5350 MHz and 5470–5725 MHz	X				
	a) (3) in the bands 5725–5850 MHz and 5850–5895 MHz	X				
	a) (4) to (11) in the bands 5925–6425 MHz , 6525–6875 MHz and 5925–7125 MHz			X		
	a) (11) maximum conducted output power	X				Note 1
	a) (13) peak power spectral density	X				
	b) Undesirable emission limits					
	b) (1) outside of the band 5150–5250 MHz	X				
	b) (2) outside of the band 5250–5350 MHz	X				
	b) (3) outside of the band 5470–5725 MHz	X				
	b) (4) outside of the band 5725–5850 MHz	X				
	b) (5) outside of the band 5850–5895 MHz			X		
	b) (6) outside of the band 5925–7125 MHz			X		

NAp: Not Applicable

NAs: Not Asked

Note 1: The power setting of the product is set at 20 dBm.

6.3 RSS-Gen requirements

Test procedure	Description of test	Criteria respected ?				Comment
		Yes	No	NAP	NAs	
Paragraph 8	Licence-exempt radio apparatus					
§ 8.1	Measurement Bandwidths and Detector Functions	X				
§ 8.2	Pulsed operation	X				
§ 8.3	Prohibition of amplifiers	X				
§ 8.4	User manual notice	X				See certification documents
§ 8.5	Measurement of licence-exempt devices on-site (in-situ)			X		
§ 8.6	Operating frequency range of devices in master/slave networks	X				
§ 8.7	Radio frequency identification (RFID) devices			X		
§ 8.8	AC power line conducted emissions limits	X				
§ 8.9	Transmitter emission limits	X				
§ 8.10	Restricted frequency bands	X				
§ 8.11	Frequency stability			X		

NAP: Not Applicable

NAs: Not Asked

6.4 RSS-247 requirements

Test Procedure RSS-247	Description of test	Criteria respected ?				Comment
		Yes	No	NAP	NAs	
Paragraph 2	General information					
2.1	Licensing requirements	X				
2.2	Definitions	X				
2.3	External RF power amplifiers	X				
Paragraph 3	Certification requirements					
3.1	RSS-Gen compliance	X				
3.2	Normative reference publications and related document	X				ANSI C63.10 CISPR 16-1-4 ETSI EN 301 893
3.3	Equipment falling within restricted frequency bands	X				
Paragraph 4	Measurement method	X				RSS-Gen ANSI C63.10
Paragraph 6	Technical requirements for licence-exempt local area network devices and digital transmission systems operating in the 5 GHz band					
6.1	Types of modulation	X				
6.2	Power and unwanted emissions limits					
6.2.1	Frequency band 5150-5250 MHz	X				
6.2.2	Frequency band 5250-5350 MHz	X				
6.2.3	Frequency bands 5470-5600 MHz and 5650-5725 MHz	X				
6.2.4	Frequency band 5725-5850 MHz	X				
6.2.5	Frequency band 5850-5895 MHz			X		

NAP: Not Applicable

NAs: Not Asked

7. MEASUREMENT UNCERTAINTY

To declare, or not, the compliance with the specifications, it was not explicitly taken into account of uncertainty associated with the result(s)

The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor $k=2$, which for normal distribution corresponds to a coverage probability of approximately 95%.

PARAMETER	MAXIMAL EMITECH UNCERTAINTY	MINIMAL STANDARD UNCERTAINTY
Radio frequency	$\pm 1 \times 10^{-7}$	$\pm 1 \times 10^{-7}$
RF power, conducted		
RF power	$\pm 0.8\text{dB}$	$\pm 1\text{ dB}$
RF power (EN 300328 / EN 301893)	$\pm 1.2\text{dB}$	$\pm 1.5\text{ dB}$
Power spectral density	$\pm 2.7\text{dB}$	$\pm 3\text{ dB}$
Occupied bandwidth		
RF power	$\pm 3.8\%$	$\pm 5\%$
RF power (EN 300328 / EN 301893)	$\pm 3.8\%$	$\pm 5\%$
Maximum frequency deviation		
300 Hz < audio frequency < 6 kHz	$\pm 1.2\%$	$\pm 5\%$
6 kHz < audio frequency < 25 kHz	$\pm 1.2\%$	$\pm 3\text{ dB}$
Adjacent channel power	$\pm 1.6\text{ dB}$	$\pm 3\text{ dB}$
Sensitivity of receiver (conducted)	$\pm 1.9\text{ dB}$	$\pm 3\text{ dB}$
Blocking	$\pm 3.9\text{ dB}$	$\pm 4\text{ dB}$
Transient		
Amplitude	$\pm 8.5\%$	$\pm 20\%$
At the frequency	$\pm 166\text{ Hz}$	$\pm 250\text{ Hz}$
Conducted emission (spurious)		
$f \leq 1\text{ GHz}$	$\pm 0.8\text{ dB}$	$\pm 3\text{ dB}$
1 GHz - 12.75 GHz	$\pm 1.6\text{ dB}$	
Radiated power (ERP / EIRP / spurious)		
$f \leq 62.5\text{ MHz}$	$\pm 5.2\text{ dB}$	$\pm 6\text{ dB}$
62.5 MHz - 1 GHz	$\pm 5.4\text{ dB}$	$\pm 6\text{ dB}$
1 GHz - 18 GHz(~)	$\pm 5.2\text{ dB}$	$\pm 6\text{ dB}$
18 GHz – 40 GHz	$\pm 5.9\text{ dB}$	$\pm 6\text{ dB}$
40 GHz – 110 GHz	$\pm 5.9\text{ dB}$	Between ± 6 to 10 dB
180-1000 MHz / 1 – 12.75 GHz (EN 301908-1)	$\pm 2.8 / 2.7\text{ dB}$	$\pm 3\text{ dB}$
RF power (EN 300328 / EN 301893)	$\pm 5.3\text{ dB}$	$\pm 6\text{ dB}$
EIRP and power spectral density with diode	$\pm 5.4\text{ dB}$	$\pm 6\text{ dB}$
Radiated emission (magnetic field)		
9kHz – 30MHz	$\pm 4.3\text{ dB}$	$\pm 6\text{ dB}$
RF level for a given BER	$\pm 0.8\text{ dB}$	$\pm 1.5\text{ dB}$
Supply voltages	$\pm 2.9\%$	$\pm 3\%$
Temperature	$\pm 0.95\text{ }^{\circ}\text{C}$	$\pm 1\text{ }^{\circ}\text{C}$
Humidity	$\pm 4.6\%$	$\pm 5\%$
Time / Duty cycle (power probe)	$\pm 4.4\%$	$\pm 5\%$
Time (spectrum analyzer)	$\pm 0.3\%$	/
Adaptivity	$\pm 4.2\text{ dB}$	/

PARAMETER	MAXIMAL EMITECH UNCERTAINTY	MINIMAL STANDARD UNCERTAINTY
Conducted emission (FCC) (Artificial Mains Network) 150kHz – 30MHz	± 3.7 dB	/
Radiated emission (electric field for FCC standard) 9kHz – 30MHz	± 4.3 dB	/
30MHz – 1GHz	± 5.9 dB	/
1GHz – 18GHz	$\pm 4,8$ dB	/
18GHz – 40GHz	$\pm 5,9$ dB	/
40GHz – 140GHz	± 5.7 dB	/
Radiated power (EIRP / spurious) vehicle chamber n°19046		
1 GHz - 6 GHz	± 9.9 dB	± 6 dB
6 GHz - 18 GHz	± 5.9 dB	± 6 dB

8. AC CONDUCTED EMISSIONS

Temperature (°C) : 24

Humidity (%HR): 49

Date : July 24, 2025

Technician : B. VOVARD

Standard: FCC Part 15
RSS-247

Test procedure:

For FCC Part 15: Paragraph 15.207

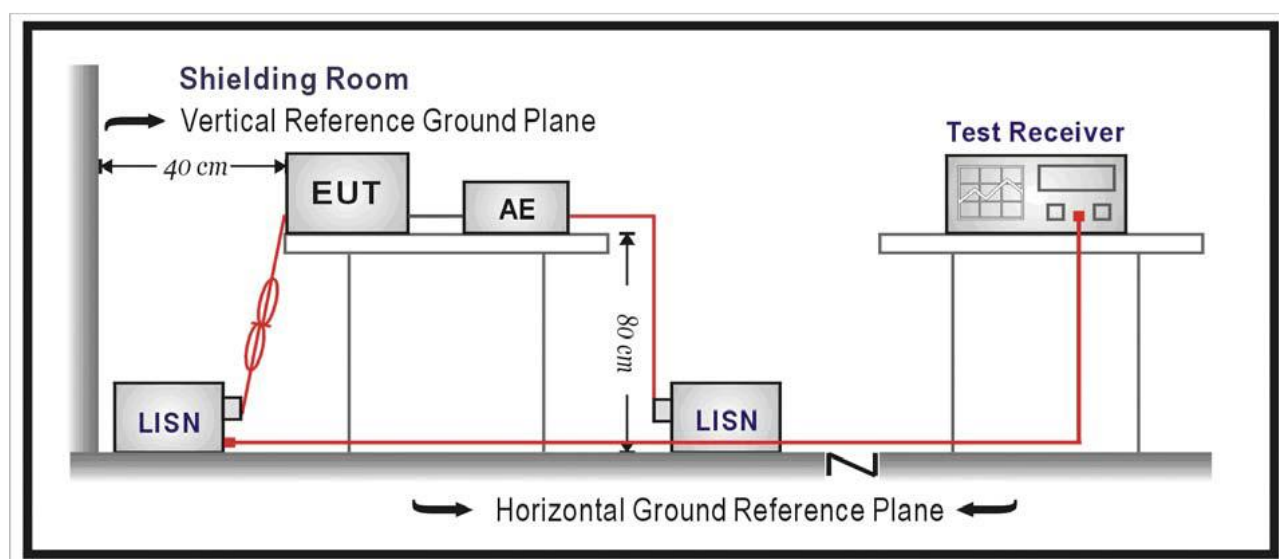
For RSS-Gen: Paragraph 8.8

Method of paragraph 6.2 of ANSI C63.10

Software used: BAT-EMC V3.18.0.26

Test set up:

The EUT is isolated and placed on a wooden table, 0.8 m over an horizontal reference plane and 0.4 m from a vertical reference plane. It is powered by an artificial main network placed on the ground reference plane. The equipment is powered with the AC power operating voltage of 120 V / 60 Hz.



Frequency range: 150 kHz - 30 MHz

Detection mode: Peak / Quasi-peak / Average

Bandwidth: 10 kHz / 9 kHz

Equipment under test operating condition:

The equipment under test is blocked in continuous modulated transmission mode with the power setting at 20 dBm.

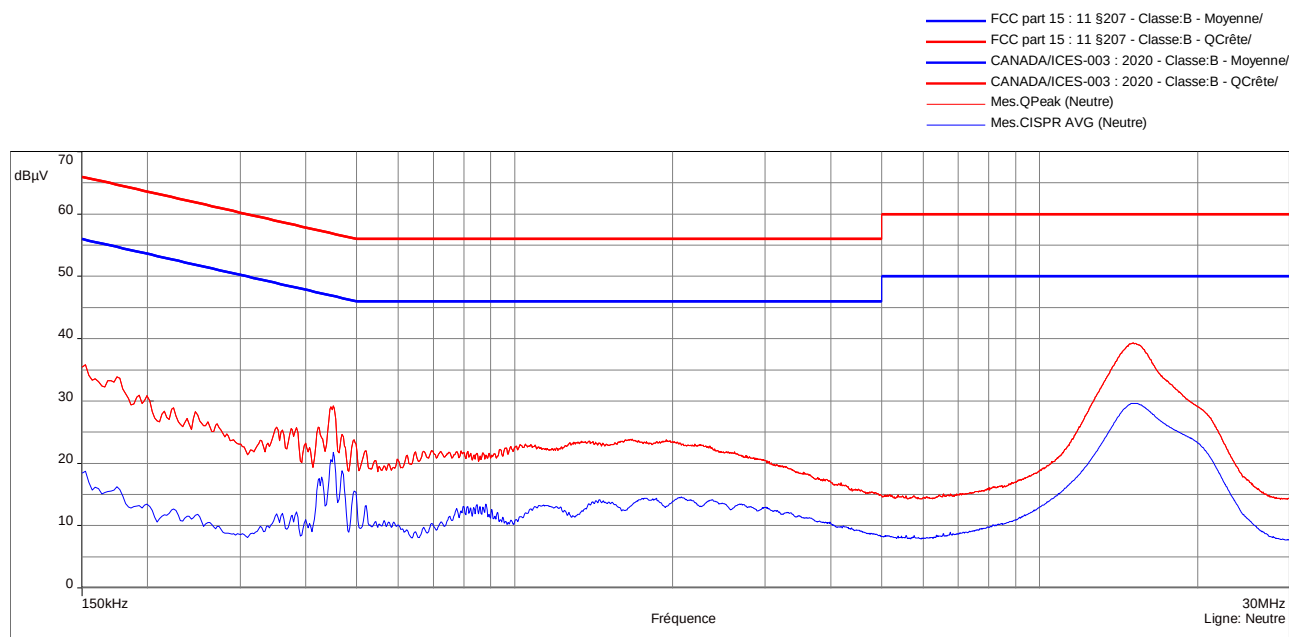
Results:

Sample N° 1:

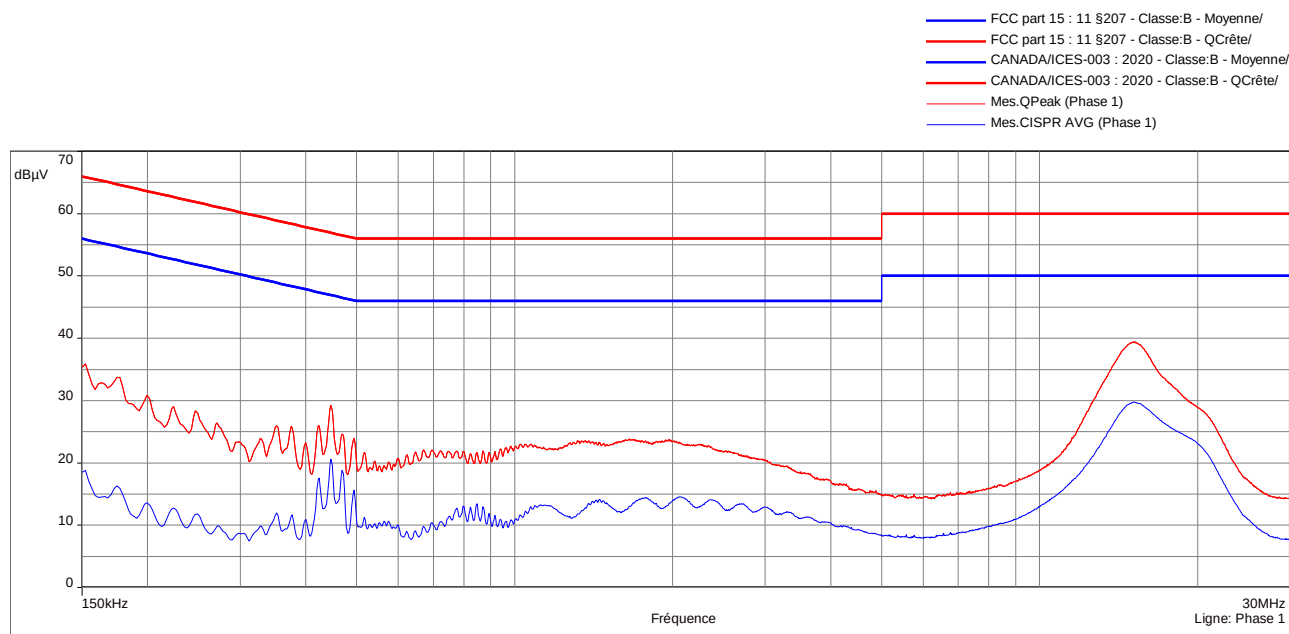
Measurement on the mains power supply:

The measurement is first realized with peak detector.

Curve N° 1: measurement on the Neutral with peak detector



Curve N° 2: measurement on the Line with peak detector



The highest frequencies are then analyzed with Quasi-peak detector and Average detector

Table N° 1: measurement on the Neutral, for the frequency range:

Frequency (MHz)	Quasi-peak (dBμV)	QP Limit (dBμV)	QP margin (dB)
0.152	35.86	65.88	30.02
0.422	25.78	57.40	31.63
0.451	29.23	56.85	27.62
0.494	23.78	56.10	32.32
1.673	23.85	56.00	32.15
15.072	39.31	60.00	20.69

Frequency (MHz)	Average (dBμV)	Average Limit (dBμV)	Average margin (dB)
0.152	18.75	55.88	37.13
0.422	17.37	47.40	30.03
0.451	21.73	46.85	25.12
0.494	15.55	46.10	30.55
1.673	13.30	46.00	32.70
15.072	29.54	50.00	20.46

Table N° 2: measurement on the Line, for the frequency range:

Frequency (MHz)	Quasi-peak (dBμV)	QP Limit (dBμV)	QP margin (dB)
0.152	35.91	65.88	29.97
0.422	25.94	57.40	31.47
0.447	29.18	56.93	27.75
0.470	24.67	56.52	31.85
1.655	23.85	56.00	32.15
15.095	39.44	60.00	20.56

Frequency (MHz)	Average (dBμV)	Average Limit (dBμV)	Average margin (dB)
0.152	18.78	55.88	37.10
0.422	17.36	47.40	30.04
0.447	20.63	46.93	26.3
0.470	18.81	46.52	27.71
1.655	13.14	46.00	32.86
15.095	29.77	50.00	20.23

Test conclusion:

RESPECTED STANDARD

9. OCCUPIED BANDWIDTH AND EMISSION BANDWIDTH

Temperature (°C) : 25

Humidity (%HR): 45

Date : July 17, 2025 and July 18, 2025

Technician : B. VOVARD

Standard: FCC Part 15
RSS-247

Test procedure:

Method:paragraph II.C.1 of KDB 789033 “*Emission Bandwidth (EBW)*”

Method:paragraph II.C.2 of KDB 789033 “*Minimum Emission Bandwidth for the band 5.725–5.85 GHz*”

Method:paragraph II.D. of KDB 789033 “*99% Occupied Bandwidth*”

Test set up:

Radiated test

Test realized in near field.

Setting:

Measure	6dB (band 5725-5850 MHz)	26dB	99%
Center frequency	The centre frequency of the channel under test		
Detector	Peak		
Span	No requirement	No requirement	1.5 to 5 times the OBW
RBW	100kHz	1% of the EBW	1% to 5% of the OBW
VBW	≥ 300kHz	> RBW	≥ 3 x RBW
Trace	Max hold		
Sweep	Auto		

Test operating condition of the equipment:

The equipment under test is blocked in continuous modulated transmission mode with the power setting at 20 dBm.

Power source: 5 Vdc through a USB of laptop

Percentage of voltage variation during the test (%): ± 1

Results:

802.11a mode

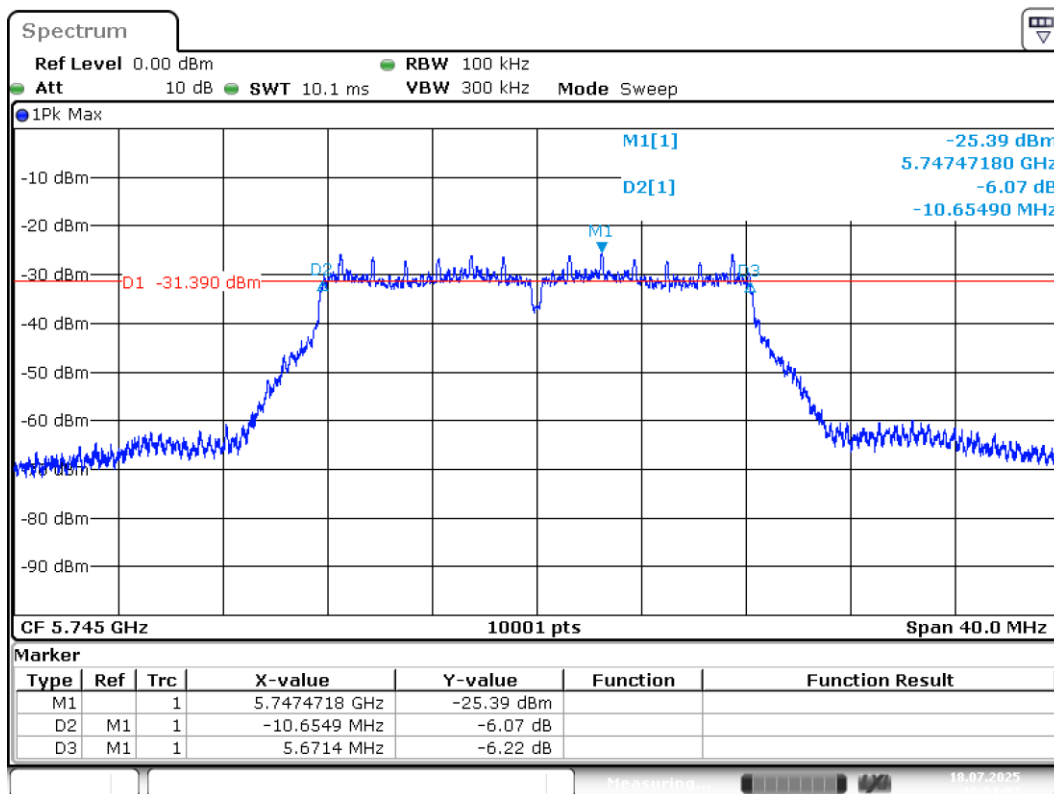
EUT	Channel	Frequency (MHz)	6 dB Emissions Bandwidth (MHz)
Sample 1	Ch 149	5745	16.326
Sample 1	Ch 157	5785	16.334
Sample 1	Ch 165	5825	16.330

EUT	Channel	Frequency (MHz)	26 dB Emissions Bandwidth (MHz)
Sample 1	Ch 36	5180	20.870
Sample 1	Ch 40	5200	20.794
Sample 1	Ch 48	5240	20.742
Sample 1	Ch 52	5260	20.966
Sample 1	Ch 60	5300	20.822
Sample 1	Ch 64	5320	20.794
Sample 1	Ch 100	5500	21.190
Sample 1	Ch 124	5620	20.706
Sample 1	Ch 140	5700	20.922

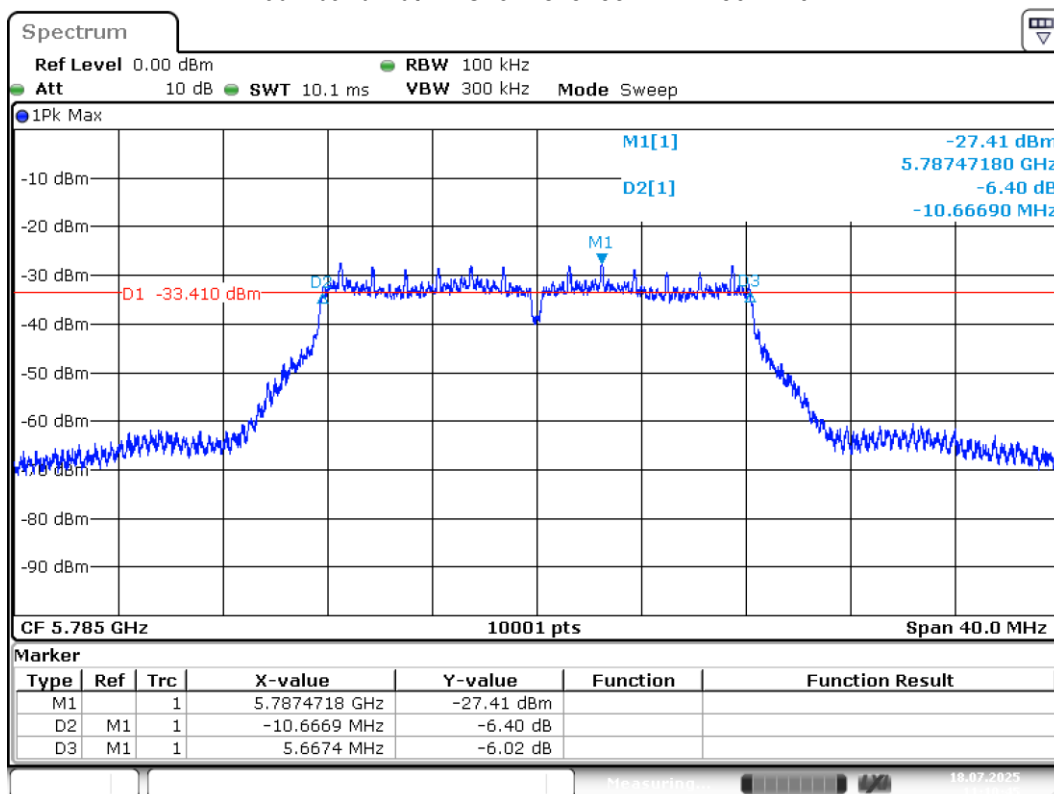
EUT	Channel	Frequency (MHz)	99% Emissions Bandwidth (MHz)
Sample 1	Ch 36	5180	16.990
Sample 1	Ch 40	5200	16.950
Sample 1	Ch 48	5240	16.922
Sample 1	Ch 52	5260	16.986
Sample 1	Ch 60	5300	16.914
Sample 1	Ch 64	5320	16.926
Sample 1	Ch 100	5500	17.042
Sample 1	Ch 124	5620	16.910
Sample 1	Ch 140	5700	16.962
Sample 1	Ch 149	5745	16.922
Sample 1	Ch 157	5785	16.962
Sample 1	Ch 165	5825	16.914

Sample N° 1

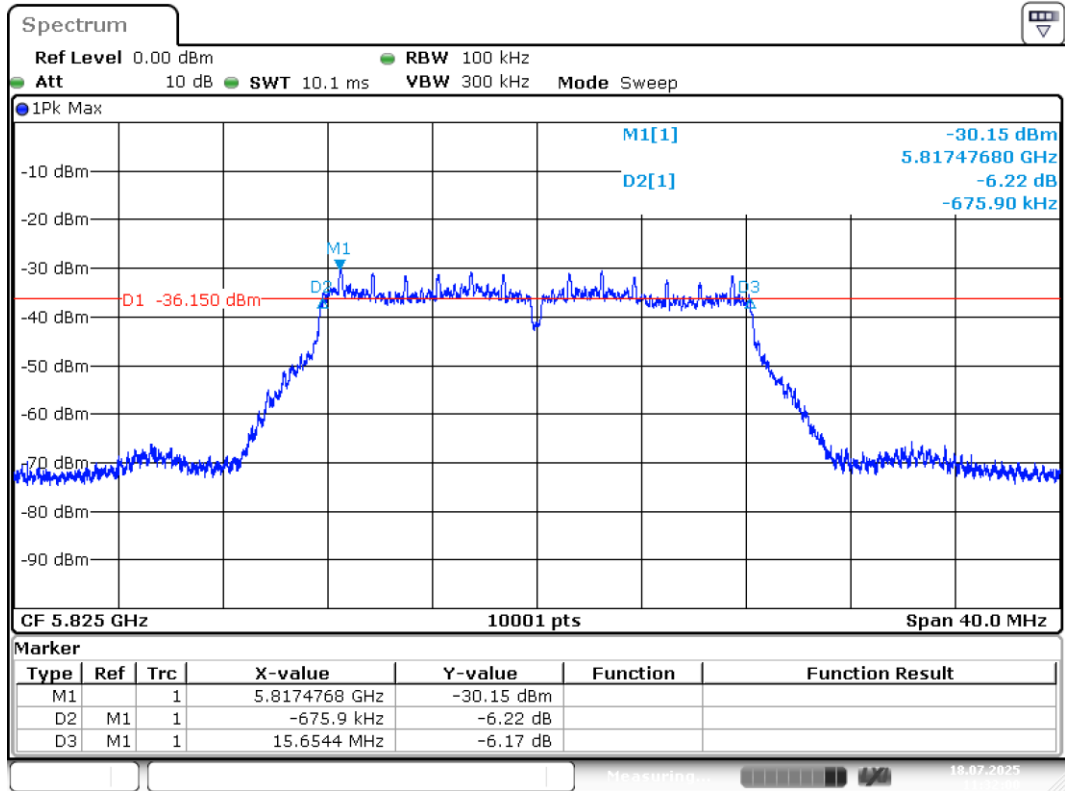
6dB bandwidth – Channel 5745 MHz – 802.11a



6dB bandwidth – Channel 5785 MHz – 802.11a



6dB bandwidth – Channel 5825 MHz – 802.11a

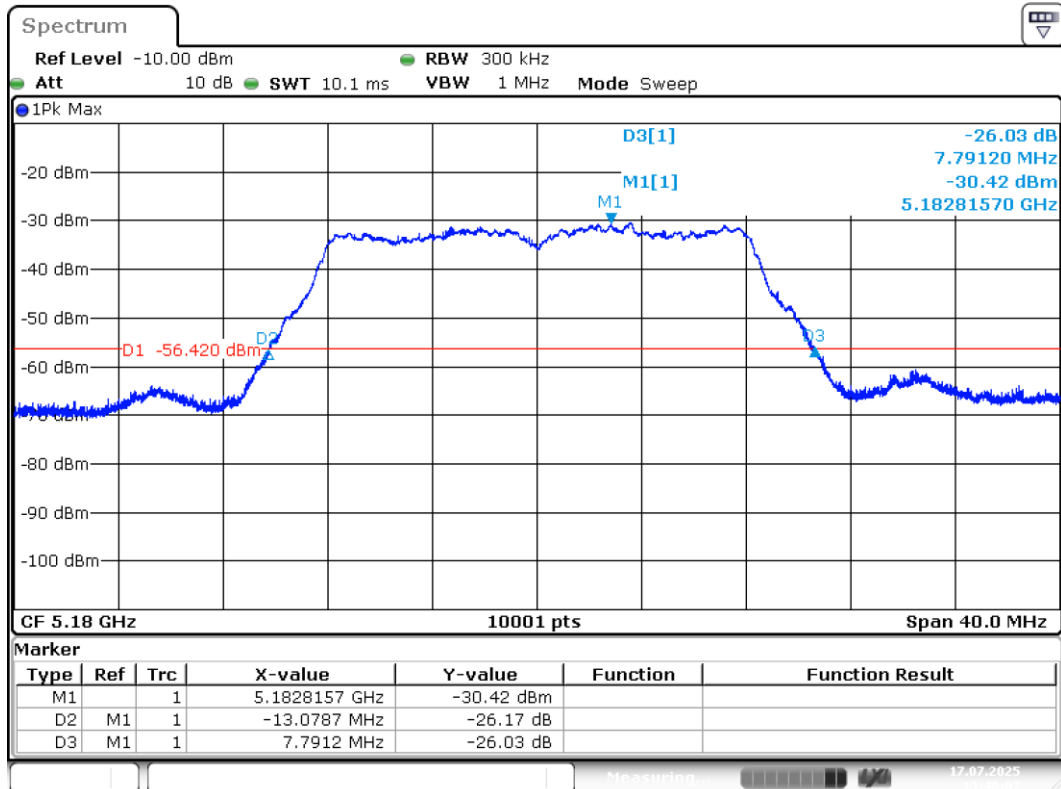


Limit:

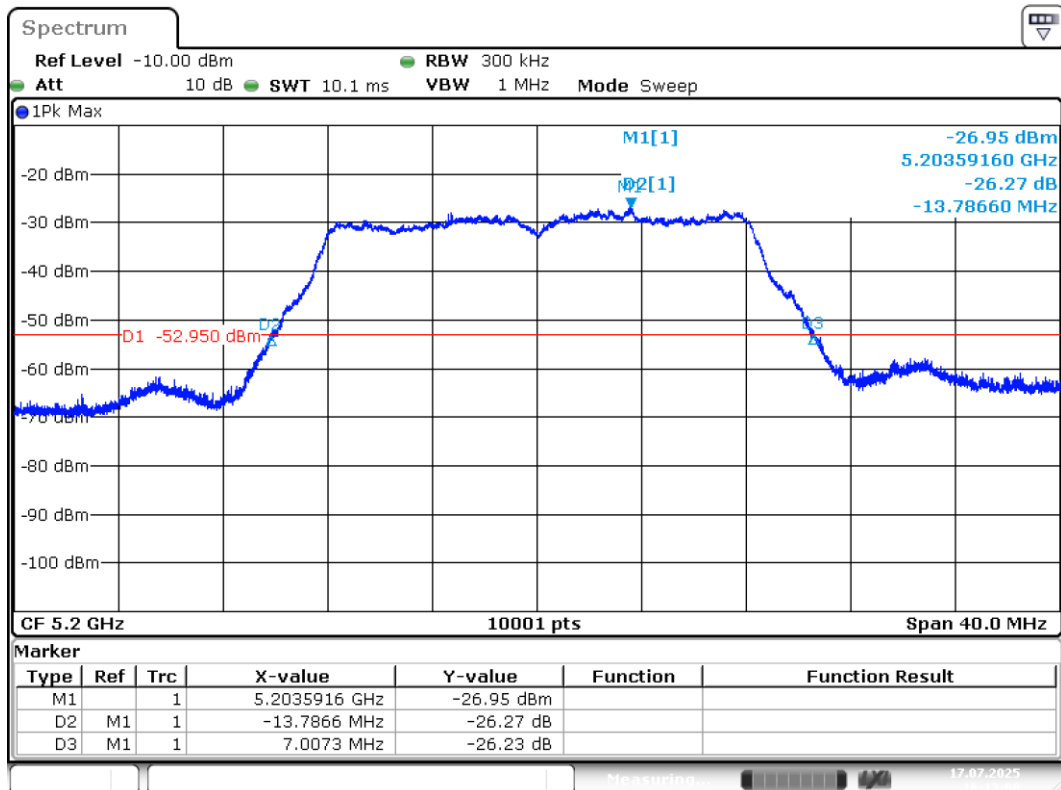
Shall be at least 500 kHz

Sample N° 1

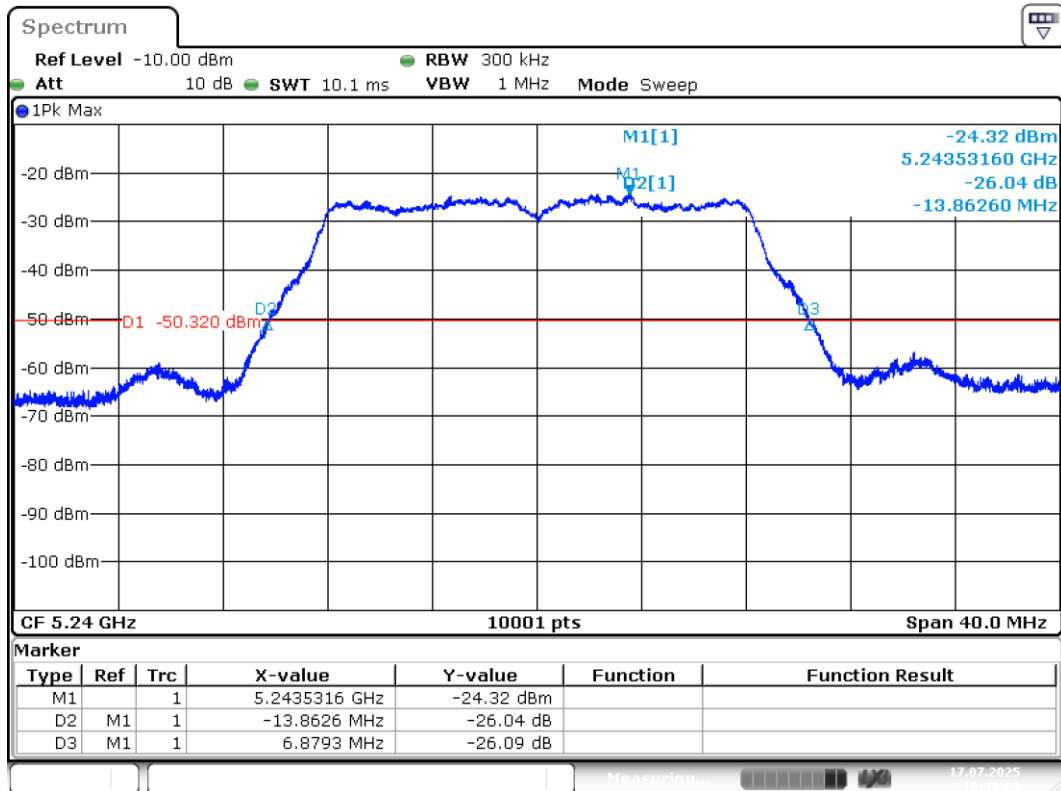
26dB bandwidth – Channel 5180 MHz – 802.11a



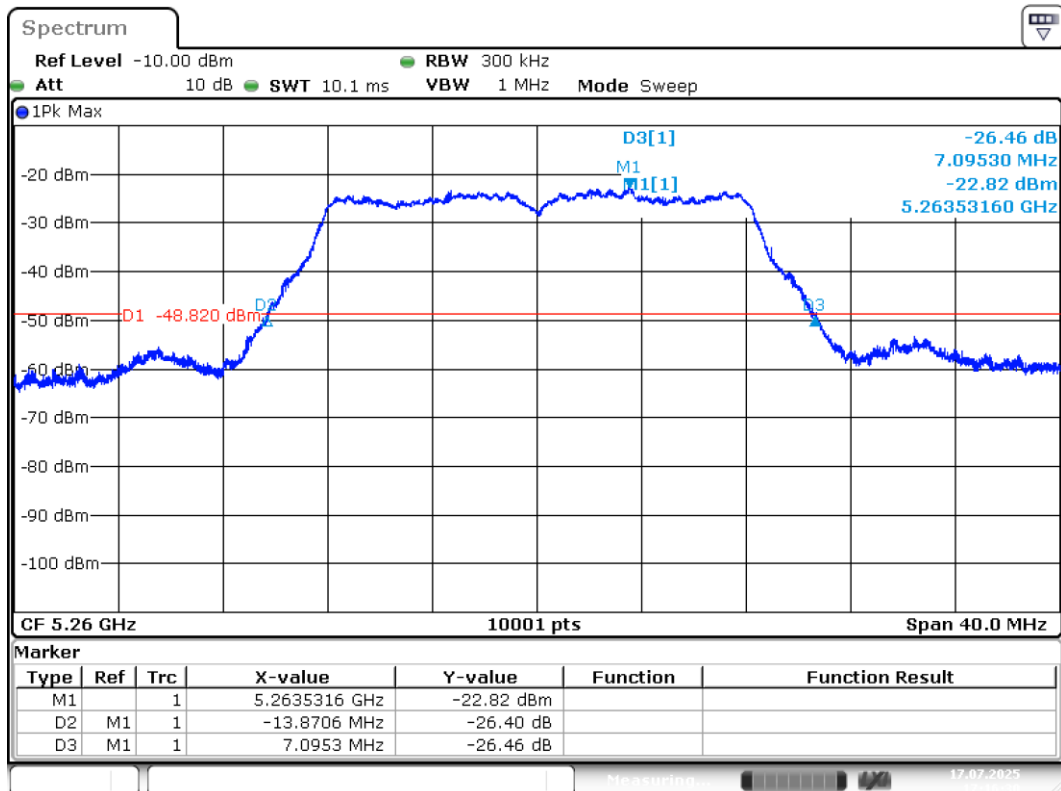
26dB bandwidth – Channel 5200 MHz – 802.11a



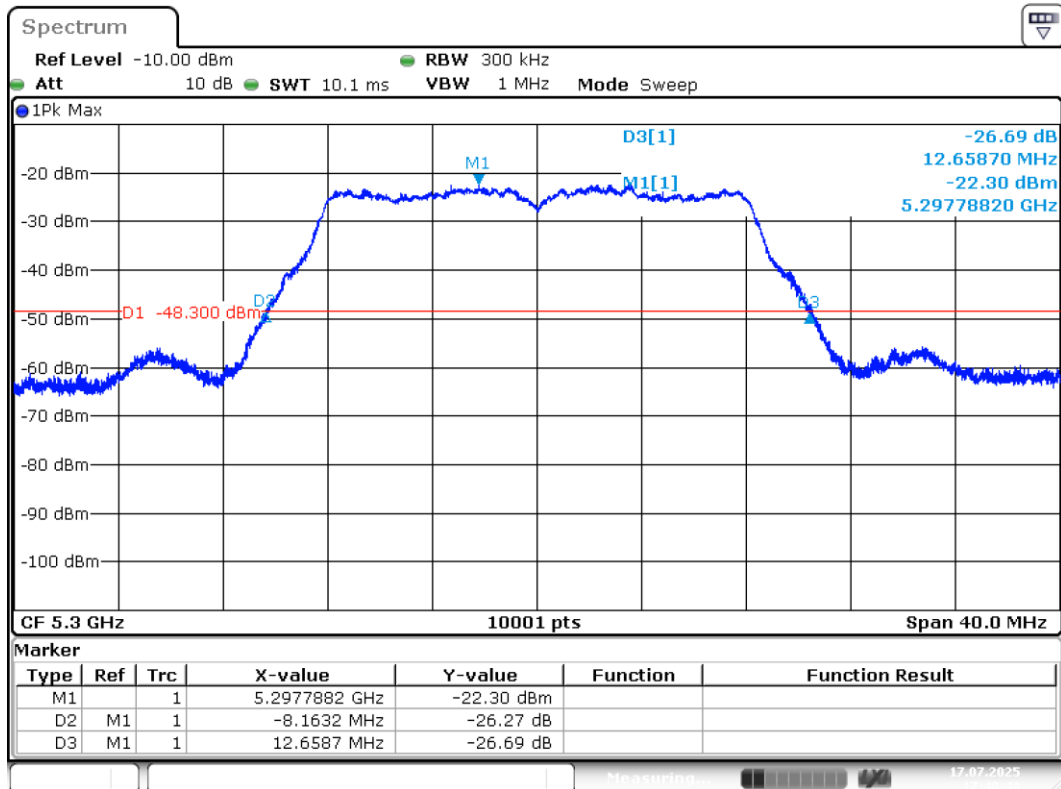
26dB bandwidth – Channel 5240 MHz – 802.11a



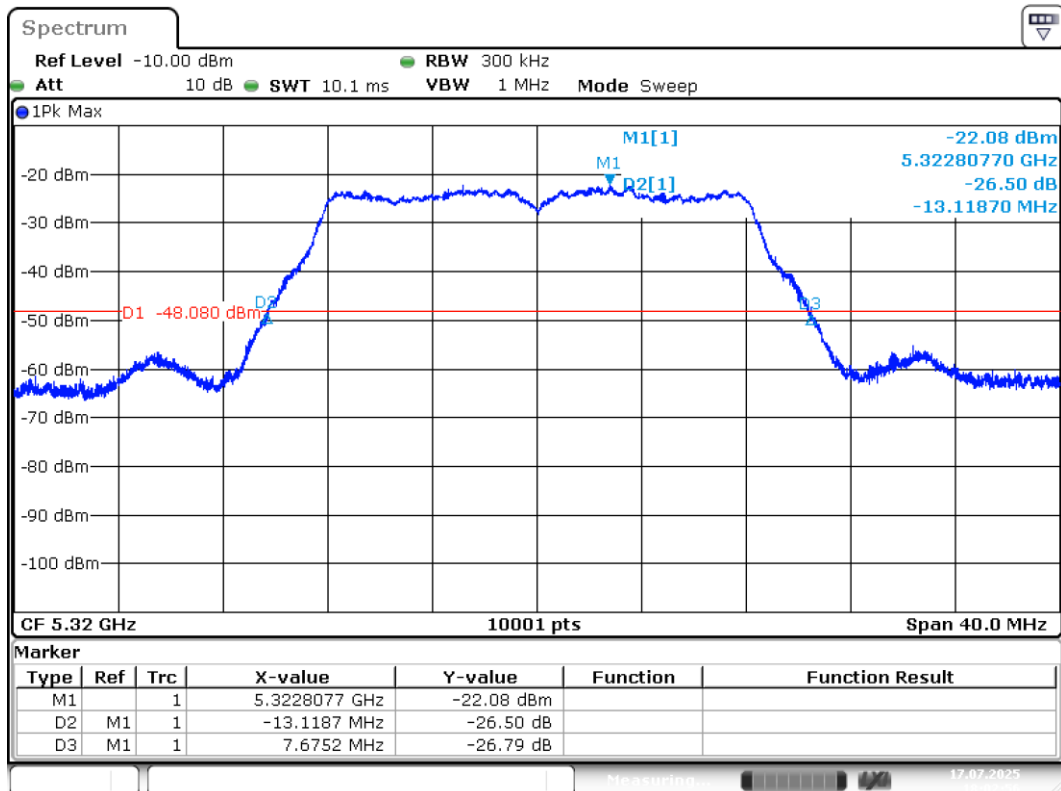
26dB bandwidth – Channel 5260 MHz – 802.11a



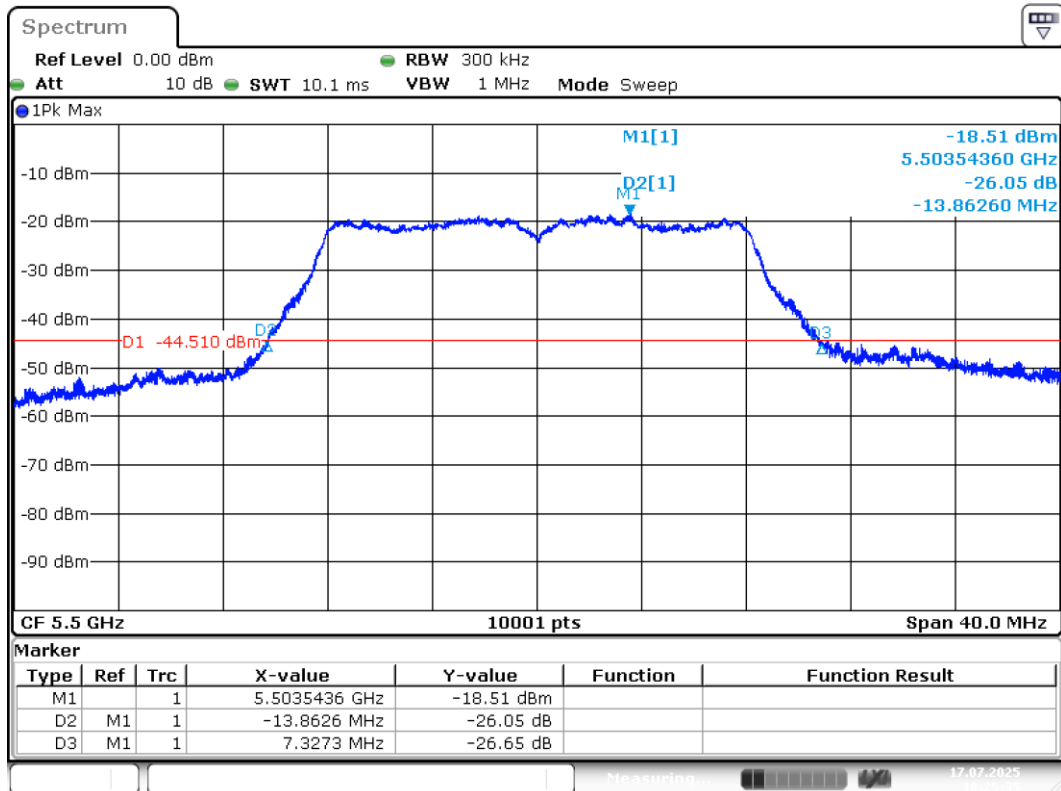
26dB bandwidth – Channel 5300 MHz – 802.11a



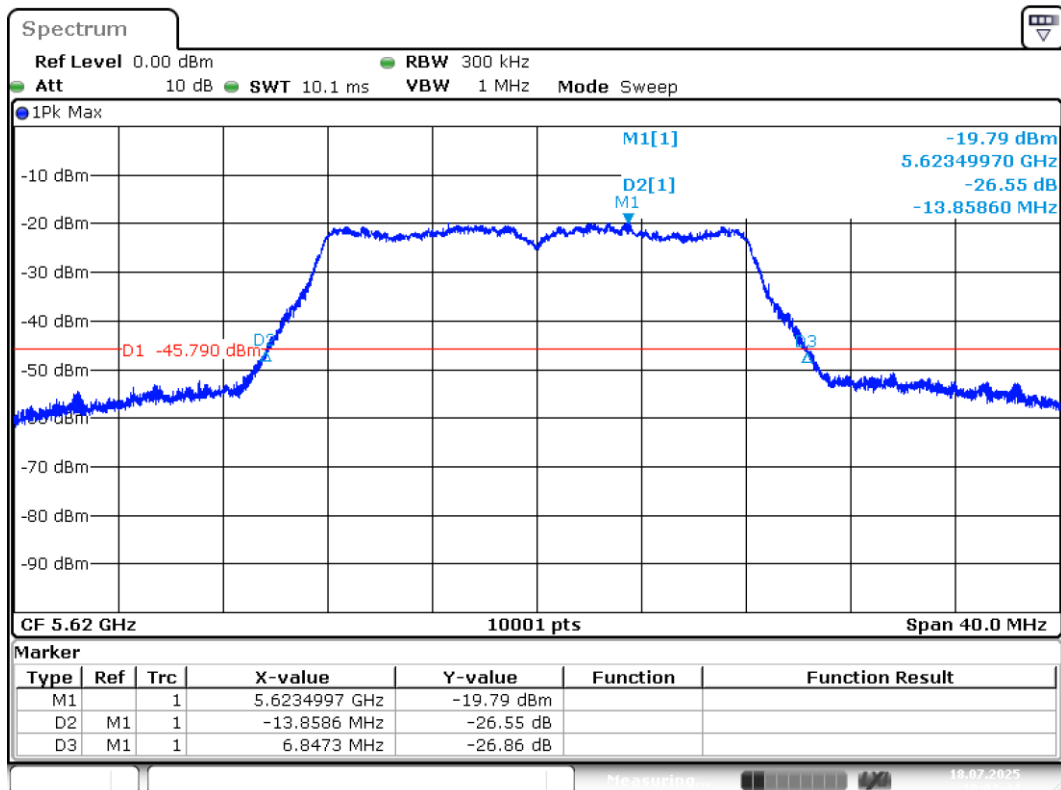
26dB bandwidth – Channel 5320 MHz – 802.11a



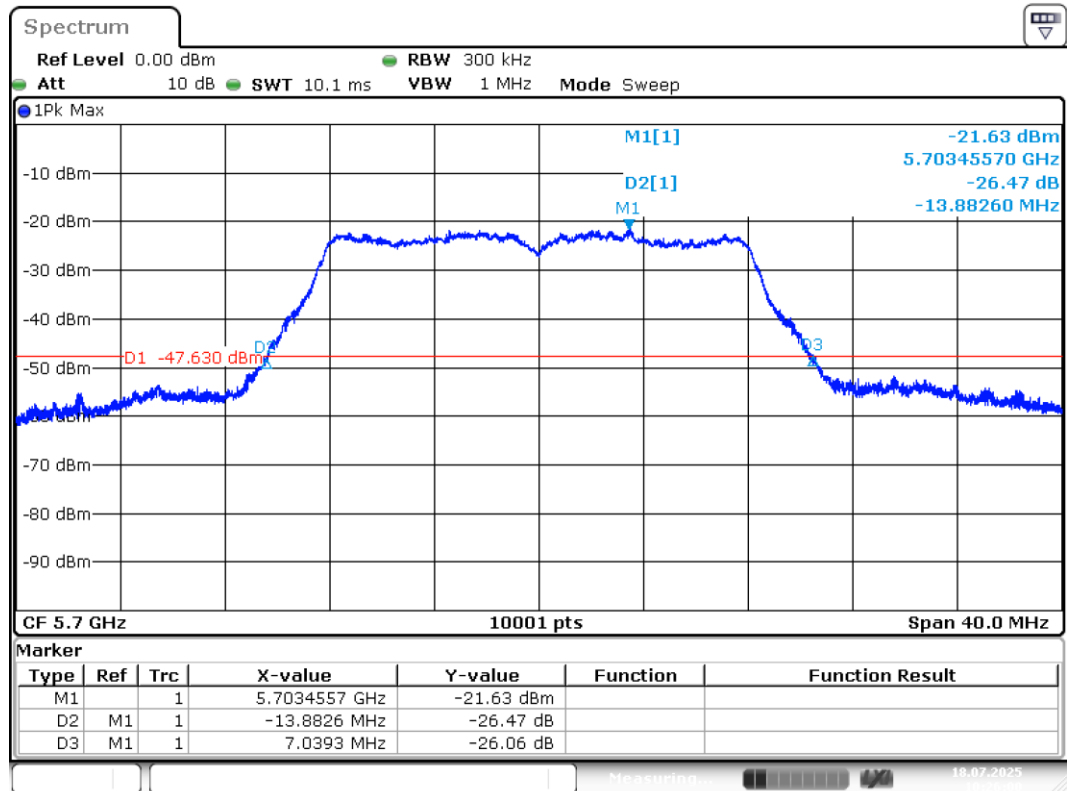
26dB bandwidth – Channel 5500 MHz – 802.11a



26dB bandwidth – Channel 5620 MHz – 802.11a



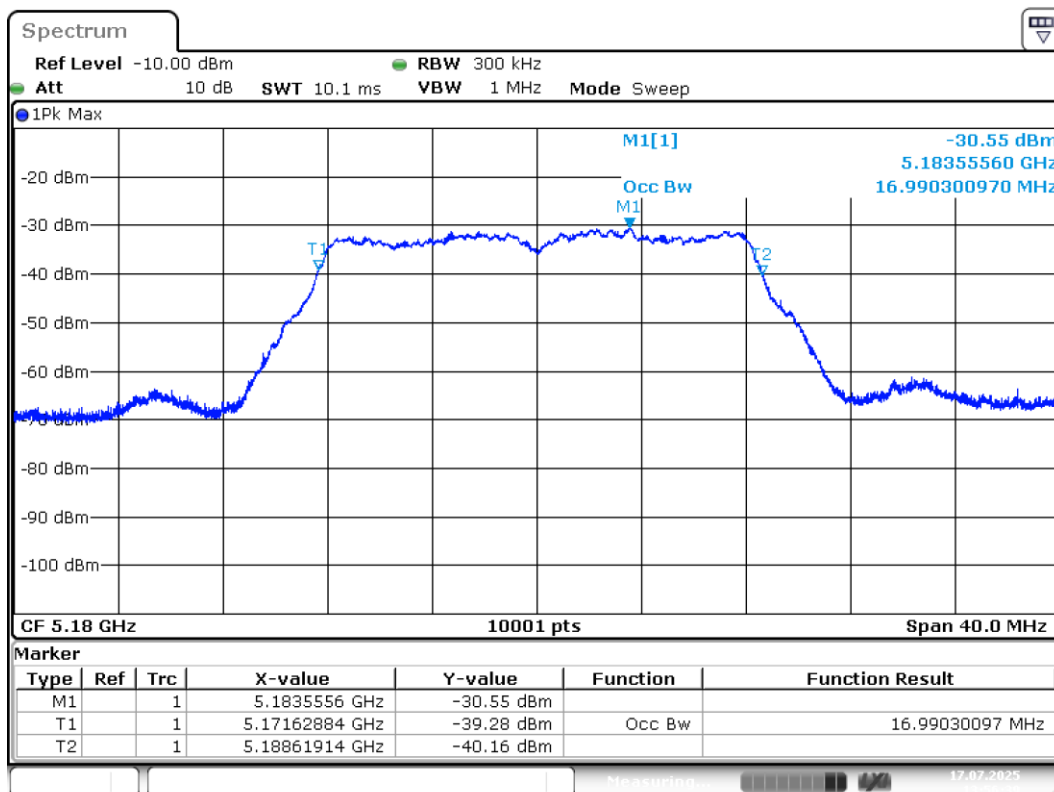
26dB bandwidth – Channel 5700 MHz – 802.11a



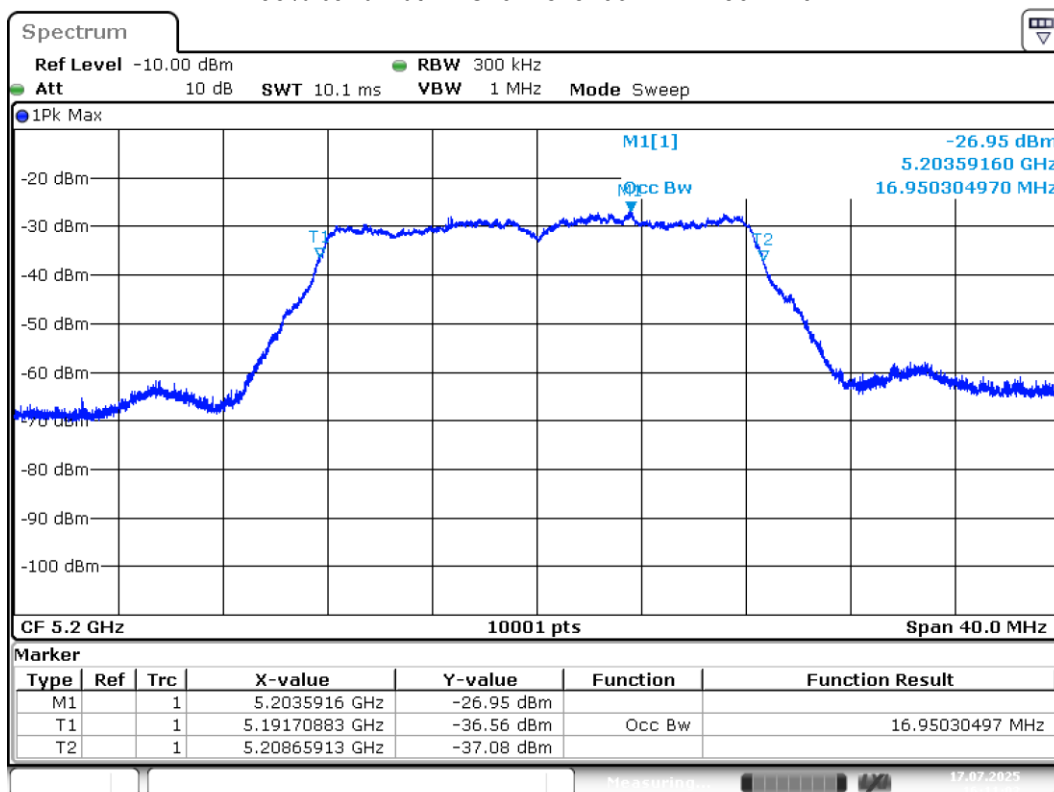
Measure realized for reporting only

Sample N° 1

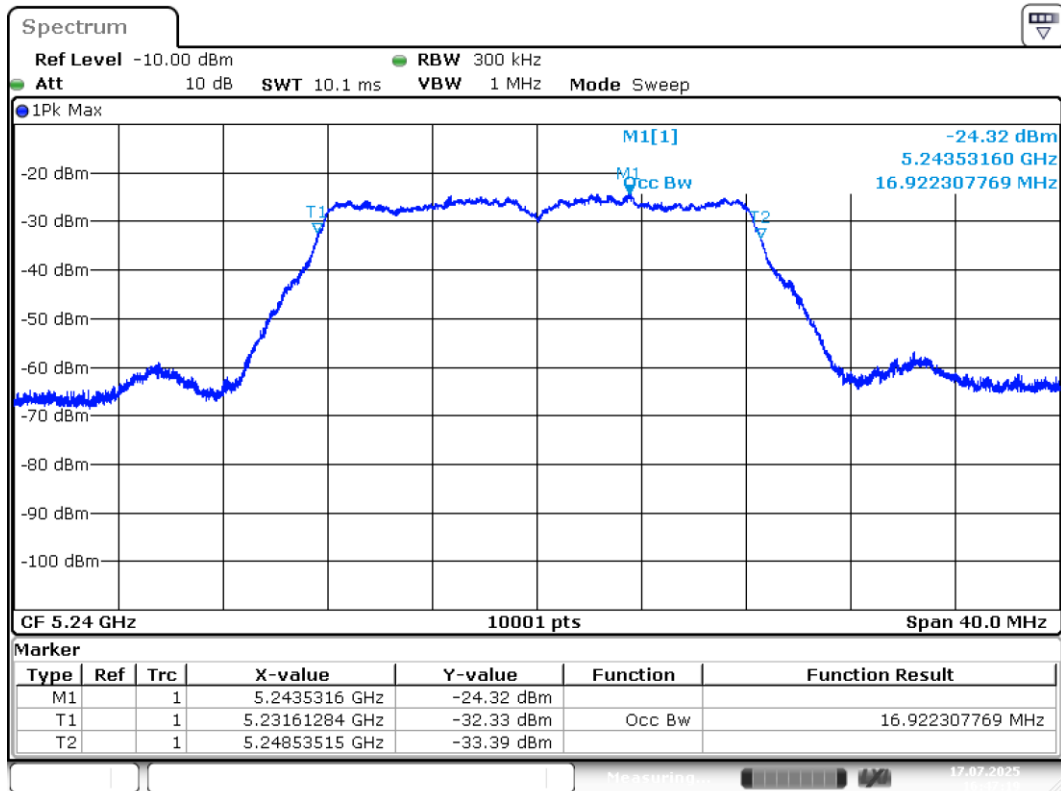
99% bandwidth – Channel 5180 MHz – 802.11a



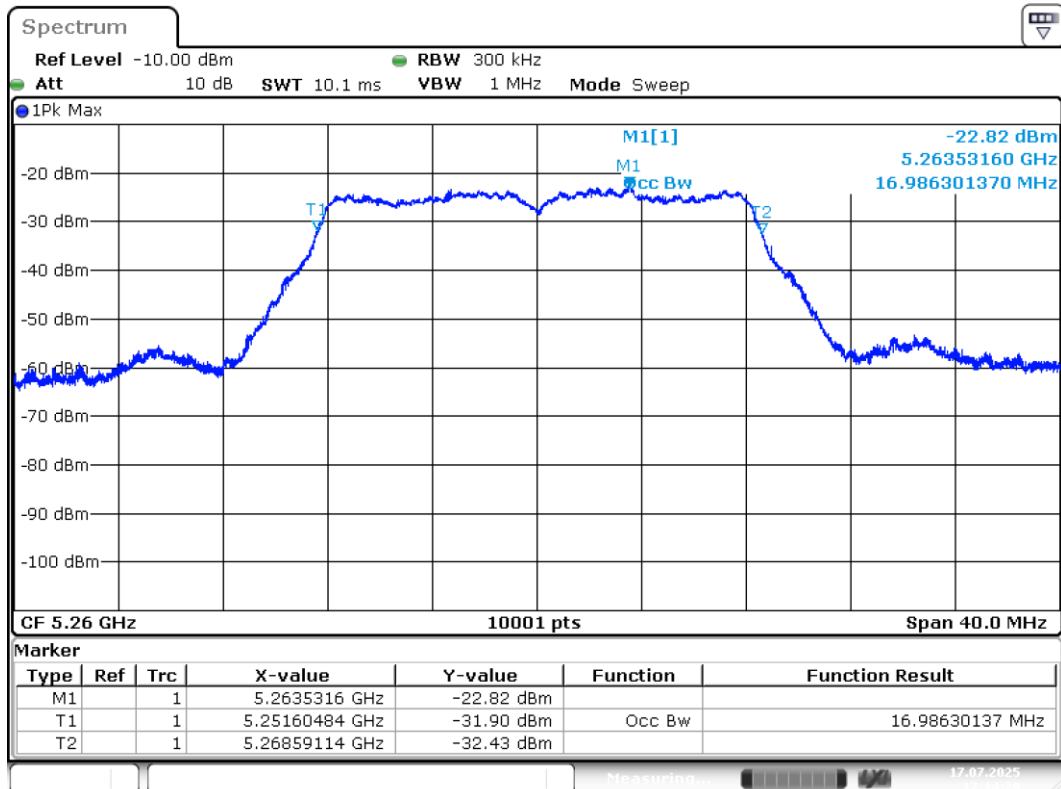
99% bandwidth – Channel 5200 MHz – 802.11a



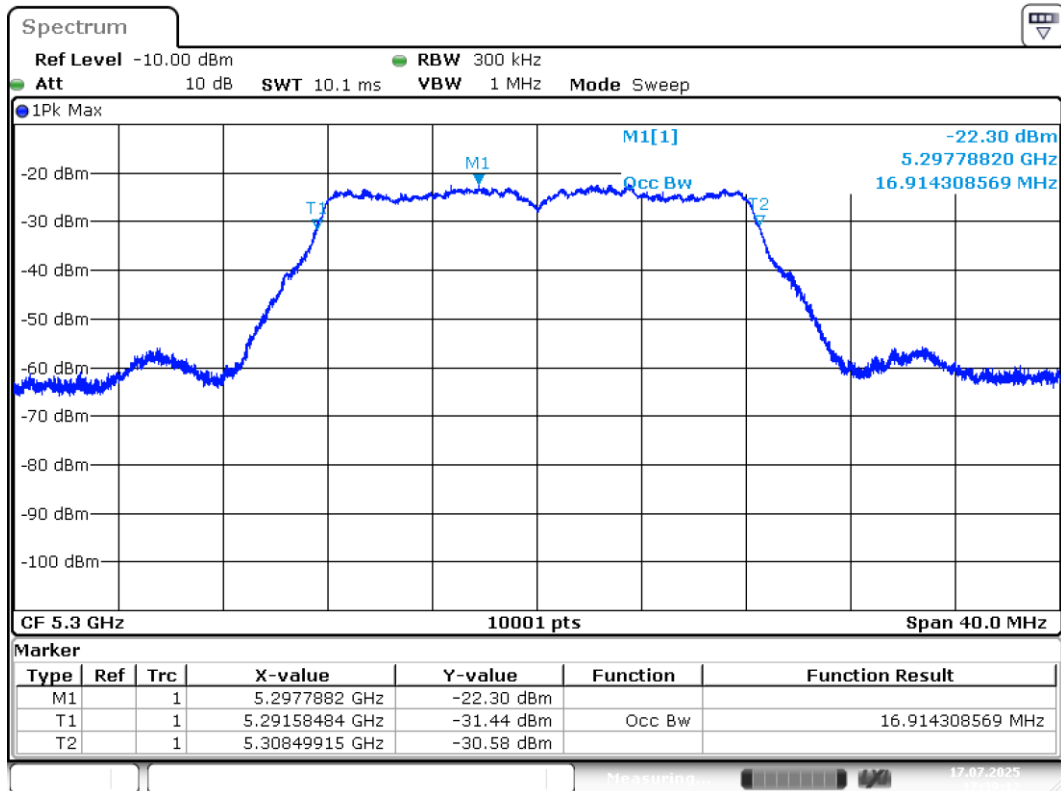
99% bandwidth – Channel 5240 MHz – 802.11a



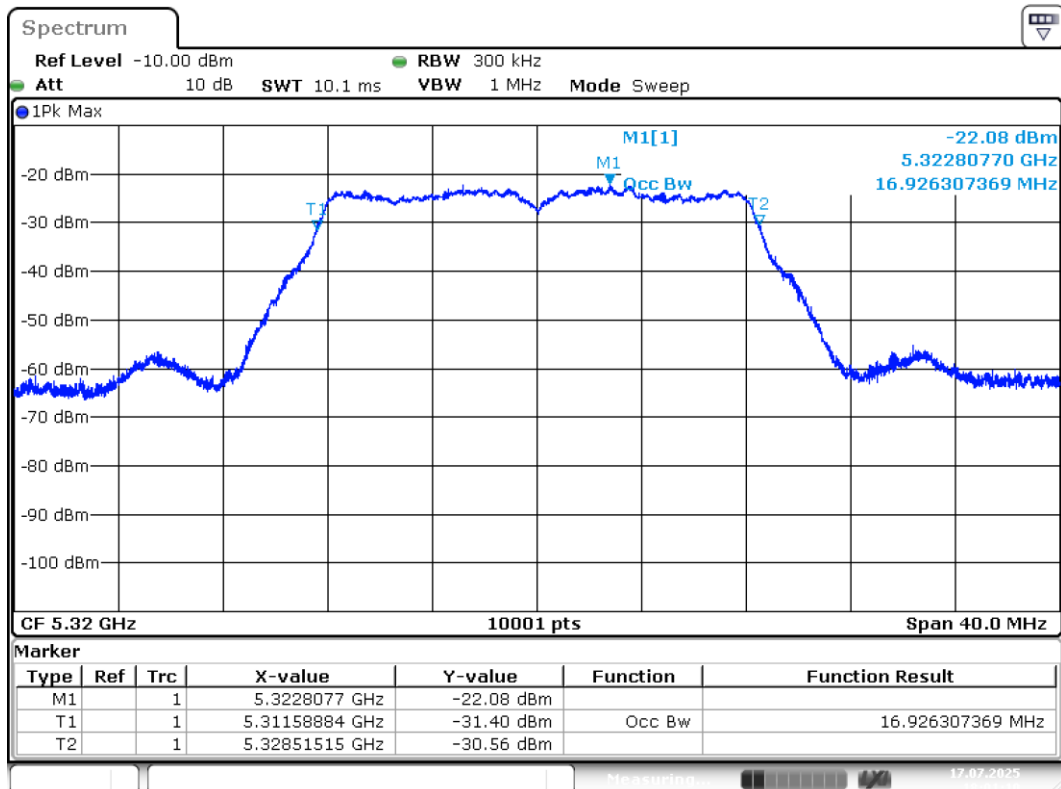
99% bandwidth – Channel 5260 MHz – 802.11a



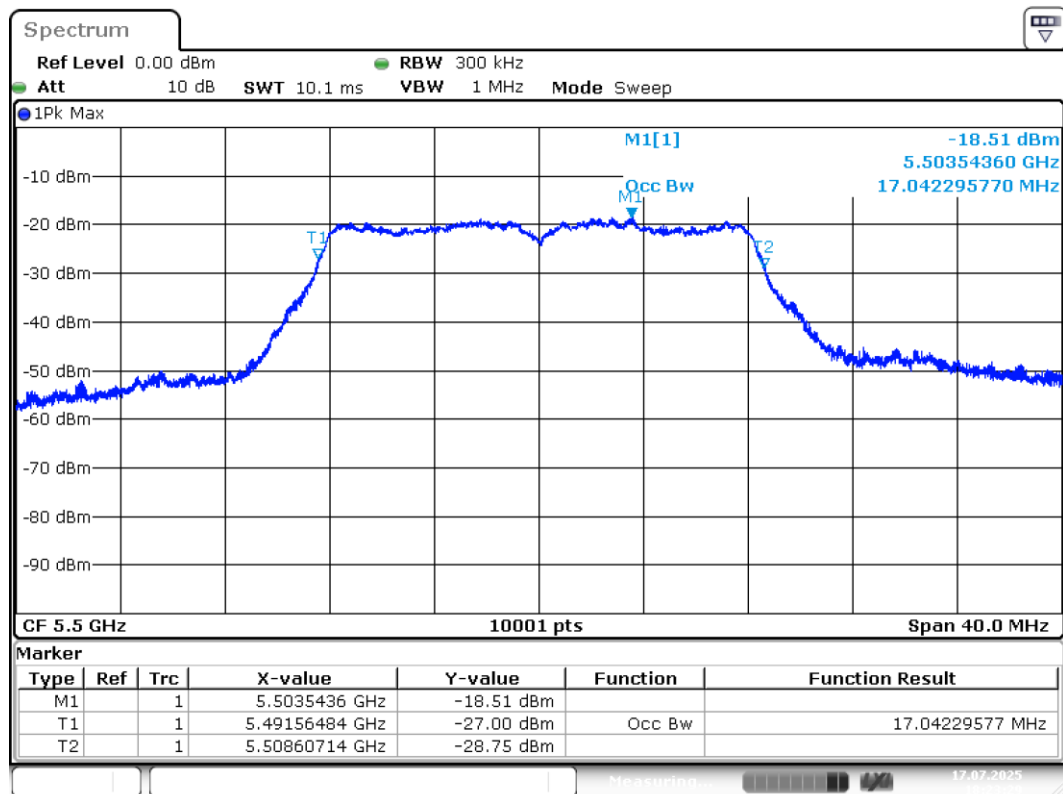
99% bandwidth – Channel 5300 MHz – 802.11a



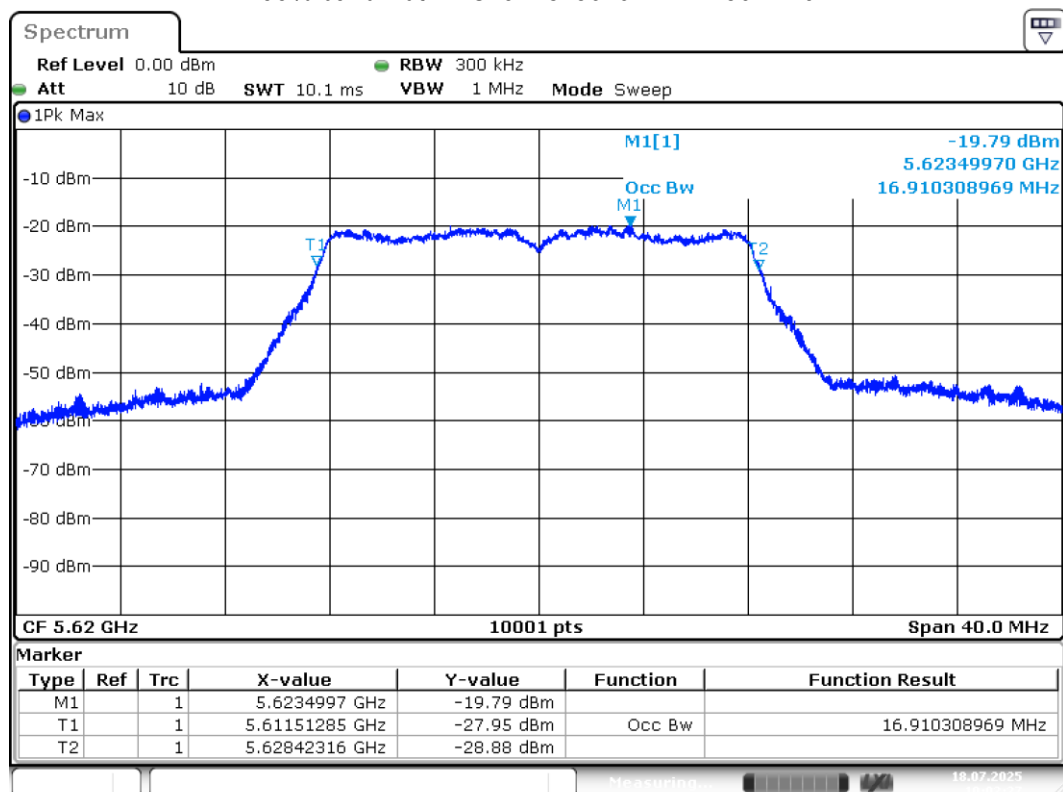
99% bandwidth – Channel 5320 MHz – 802.11a



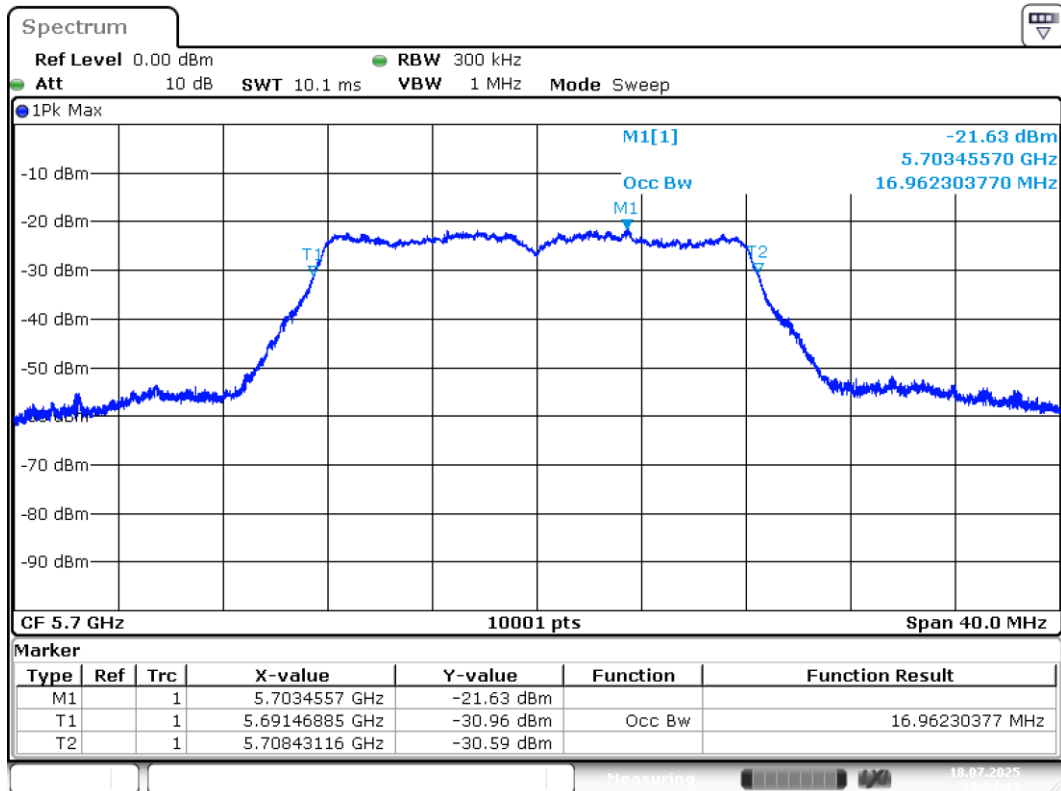
99% bandwidth – Channel 5500 MHz – 802.11a



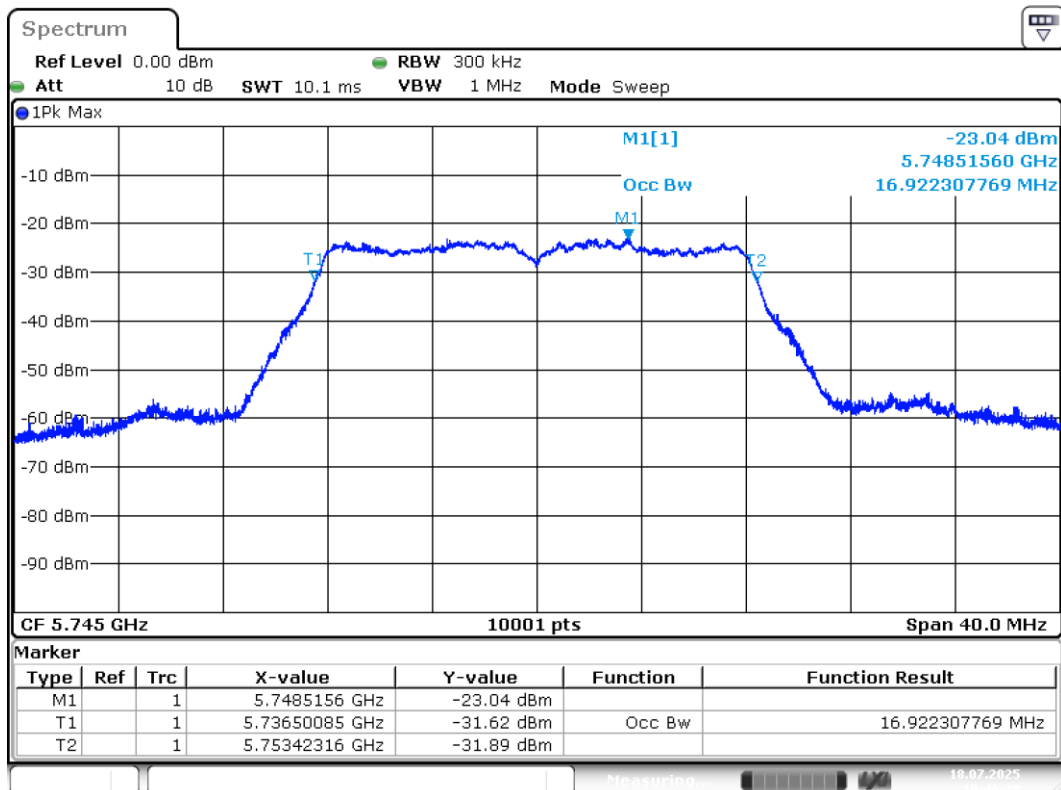
99% bandwidth – Channel 5620 MHz – 802.11a



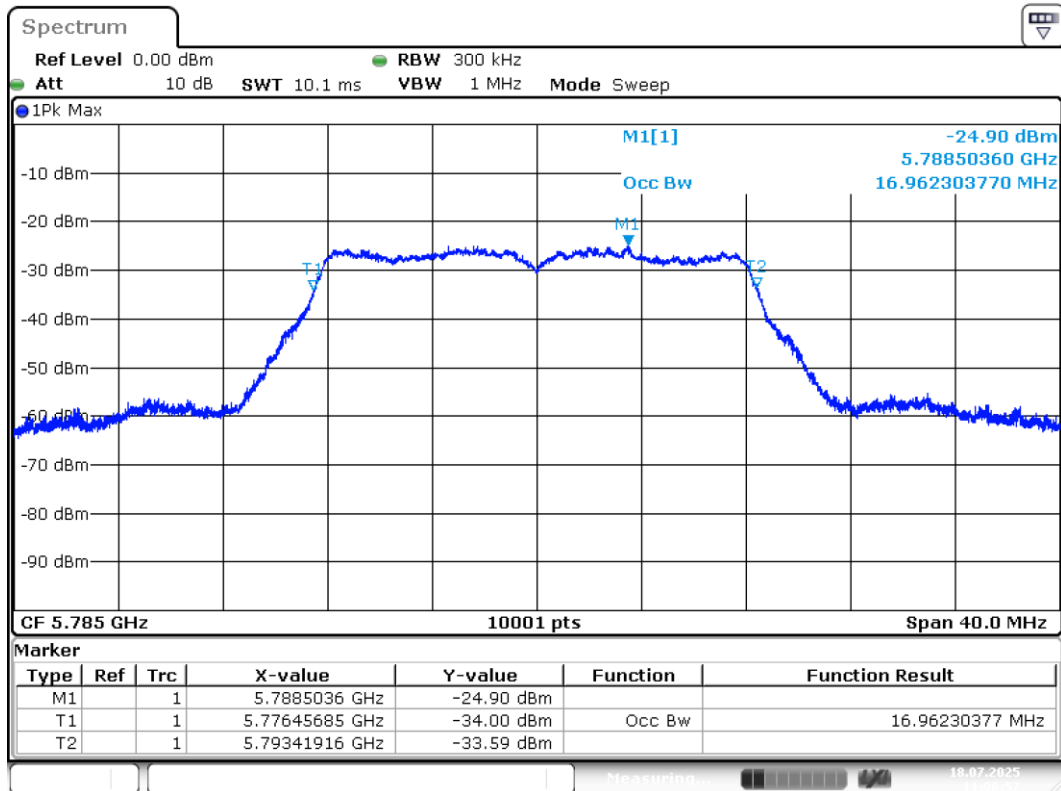
99% bandwidth – Channel 5700 MHz – 802.11a



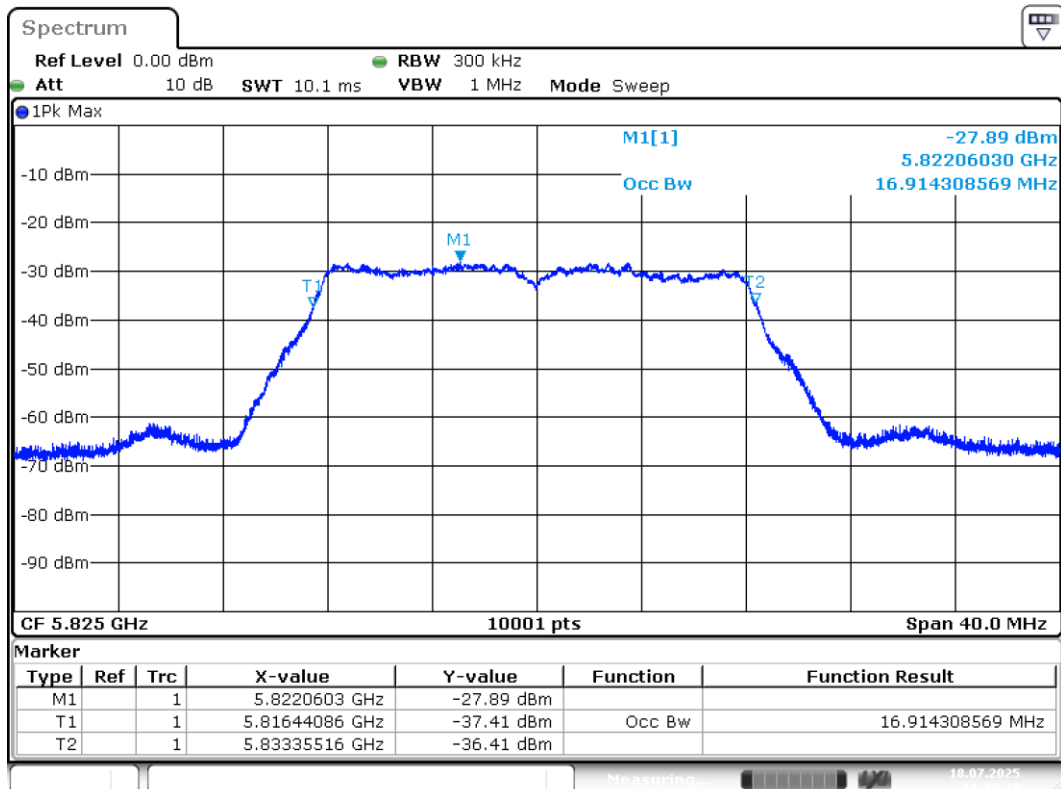
99% bandwidth – Channel 5745 MHz – 802.11a



99% bandwidth – Channel 5785 MHz – 802.11a



99% bandwidth – Channel 5825 MHz – 802.11a



Measure realized for reporting only

802.11n mode

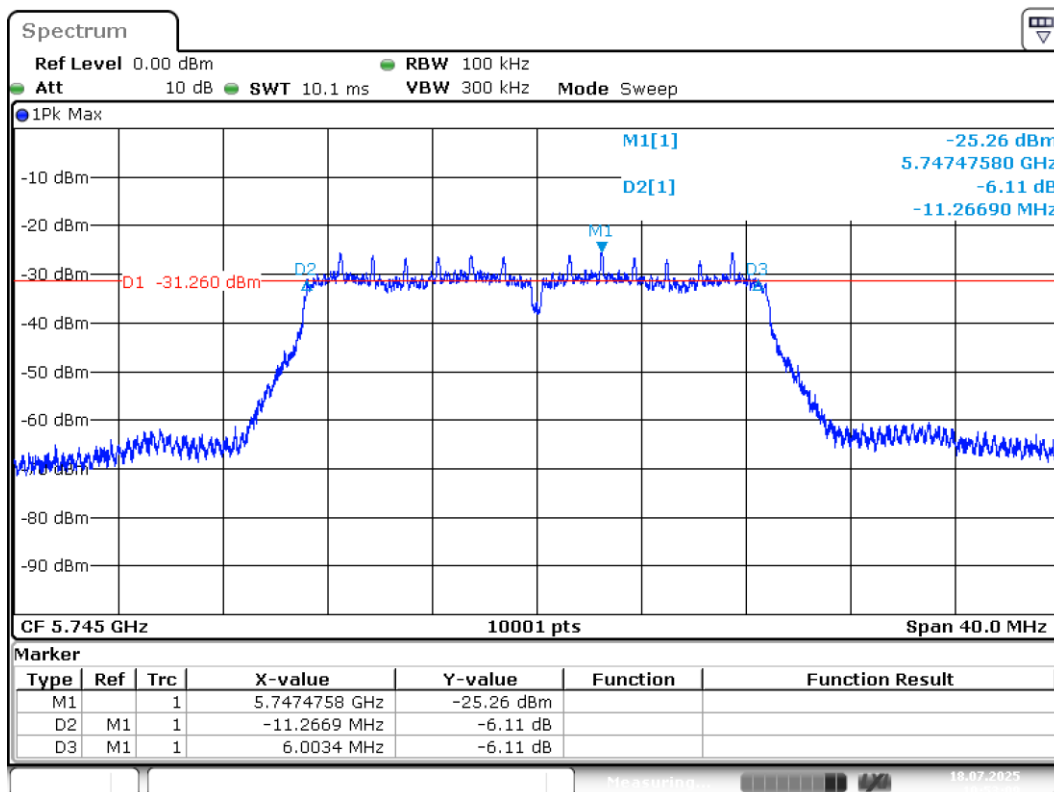
EUT	Channel	Frequency (MHz)	6dB Emissions Bandwidth (MHz)
Sample 1	Ch 149	5745	17.270
Sample 1	Ch 157	5785	17.286
Sample 1	Ch 165	5825	17.150

EUT	Channel	Frequency (MHz)	26 dB Emissions Bandwidth (MHz)
Sample 1	Ch 36	5180	21.142
Sample 1	Ch 40	5200	21.042
Sample 1	Ch 48	5240	21.014
Sample 1	Ch 52	5260	21.106
Sample 1	Ch 60	5300	20.850
Sample 1	Ch 64	5320	20.850
Sample 1	Ch 100	5500	21.305
Sample 1	Ch 124	5620	21.022
Sample 1	Ch 140	5700	21.038

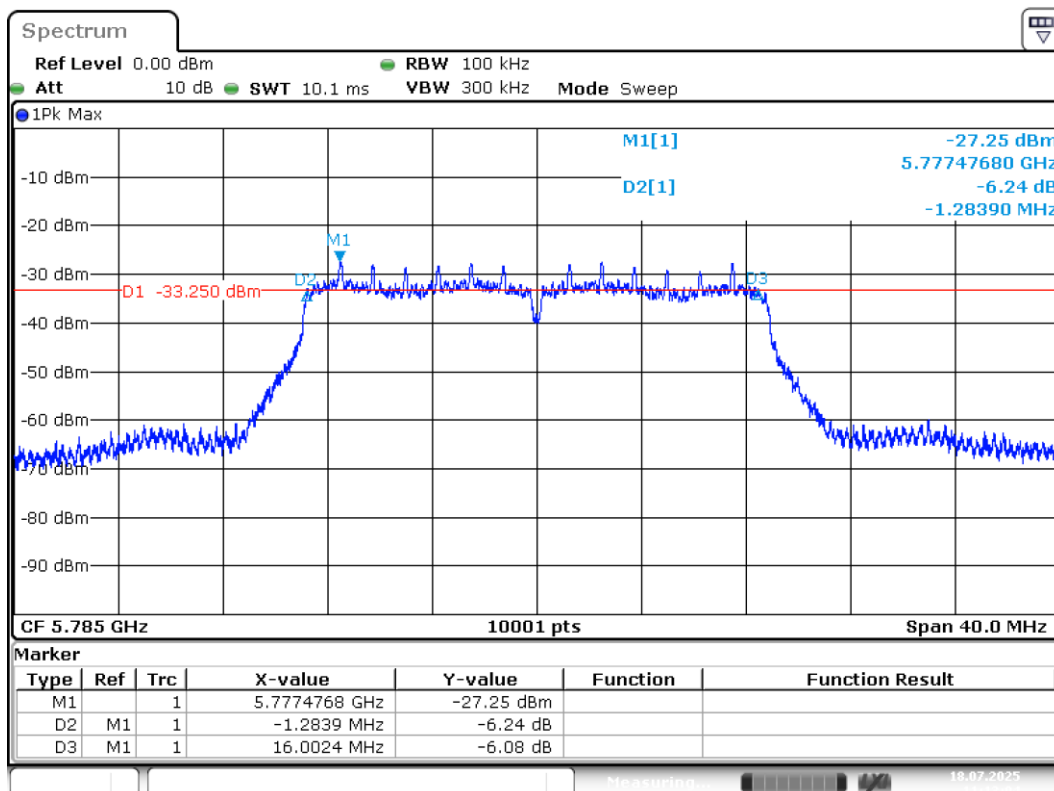
EUT	Channel	Frequency (MHz)	99% Emissions Bandwidth (MHz)
Sample 1	Ch 36	5180	17.926
Sample 1	Ch 40	5200	17.794
Sample 1	Ch 48	5240	17.758
Sample 1	Ch 52	5260	17.794
Sample 1	Ch 60	5300	17.746
Sample 1	Ch 64	5320	17.750
Sample 1	Ch 100	5500	17.786
Sample 1	Ch 124	5620	17.746
Sample 1	Ch 140	5700	17.770
Sample 1	Ch 149	5745	17.742
Sample 1	Ch 157	5785	17.778
Sample 1	Ch 165	5825	17.742

Sample N° 1

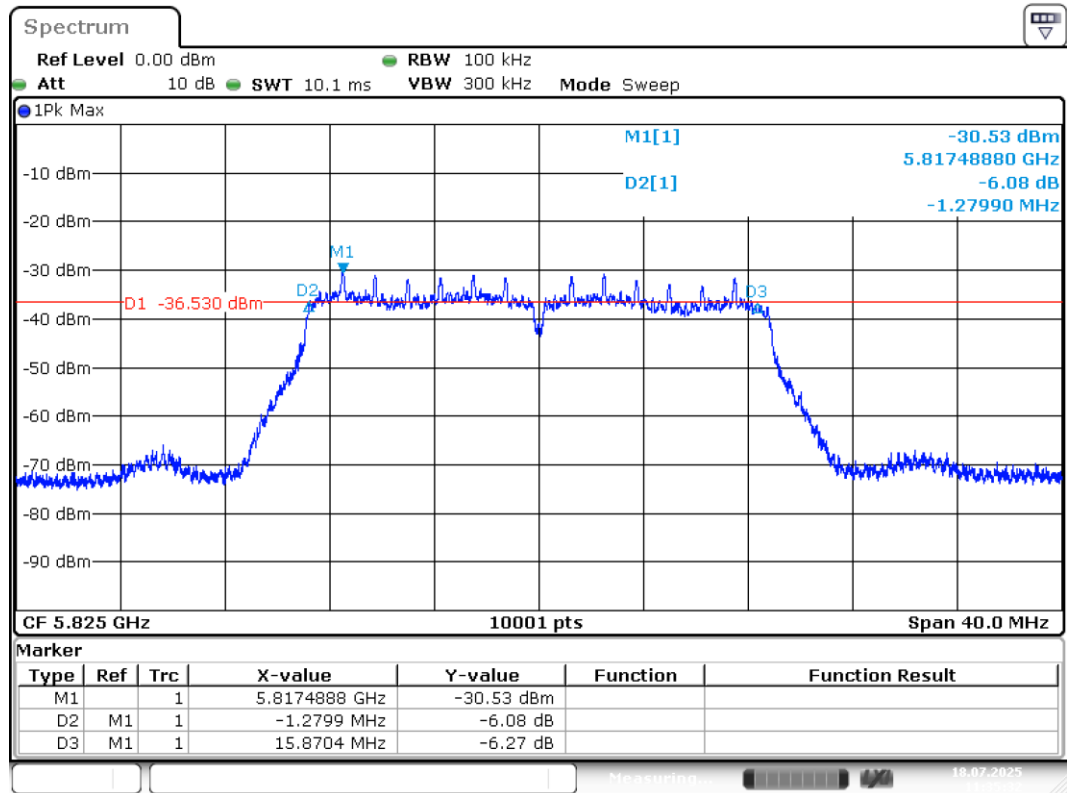
6dB bandwidth – Channel 5745 MHz – 802.11n



6dB bandwidth – Channel 5785 MHz – 802.11n



6dB bandwidth – Channel 5825 MHz – 802.11n

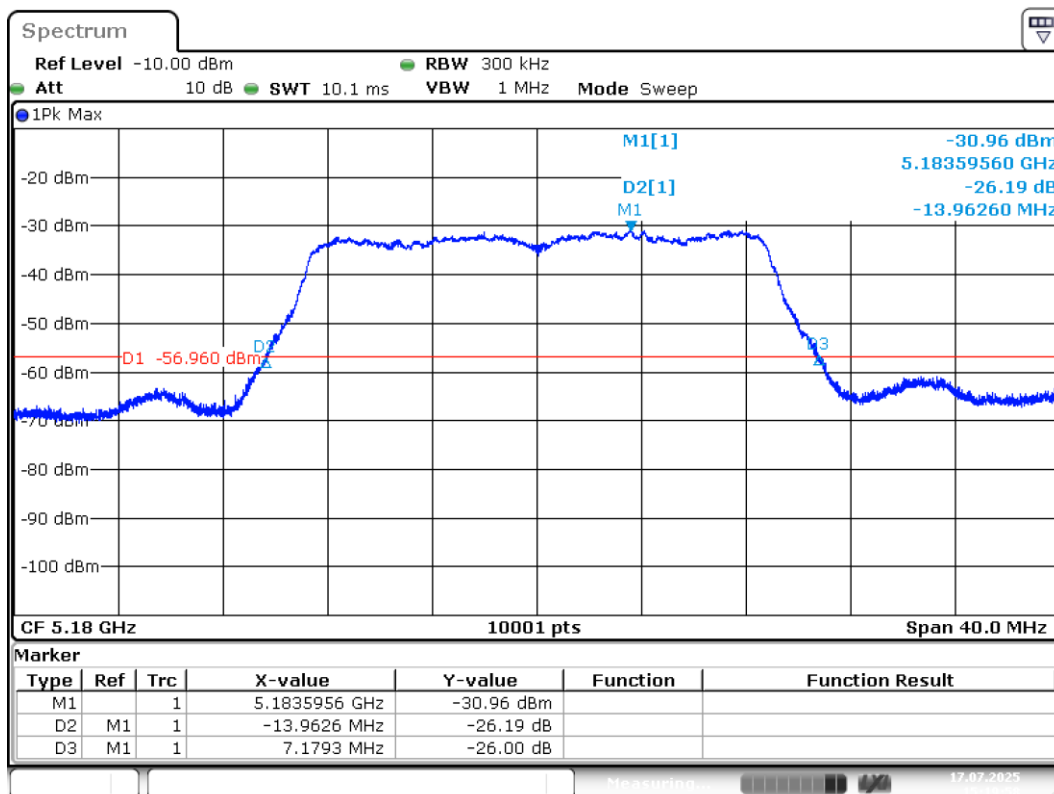


Limit:

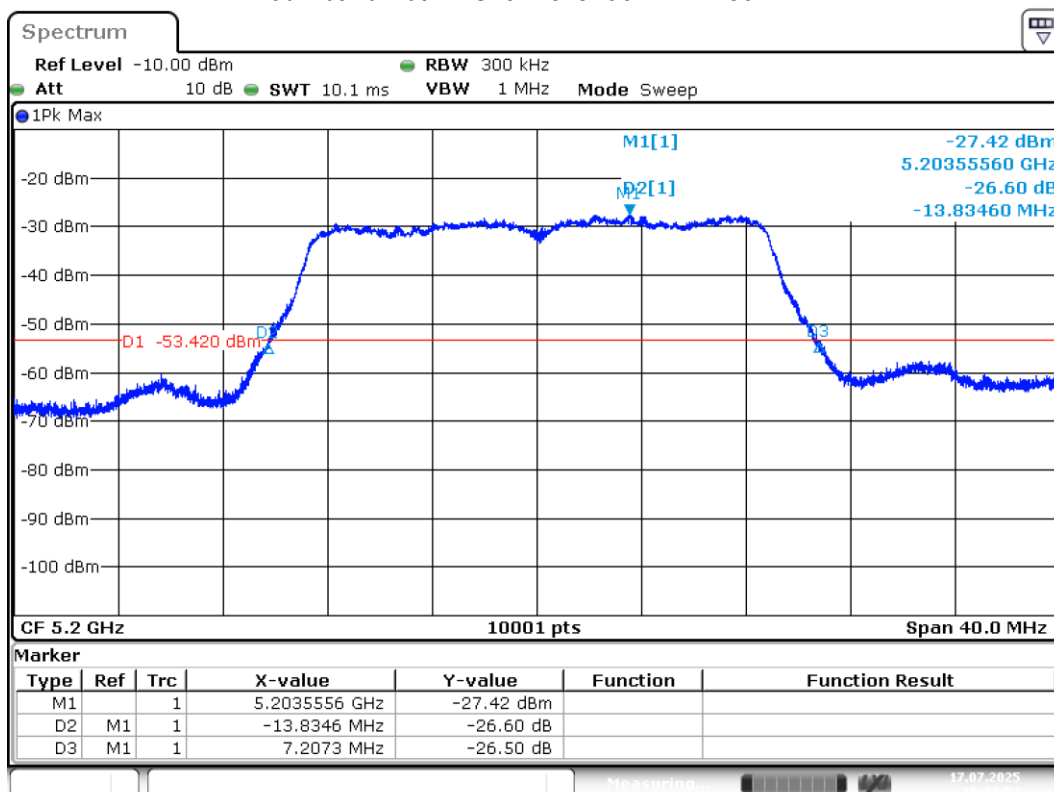
Shall be at least 500 kHz

Sample N° 1

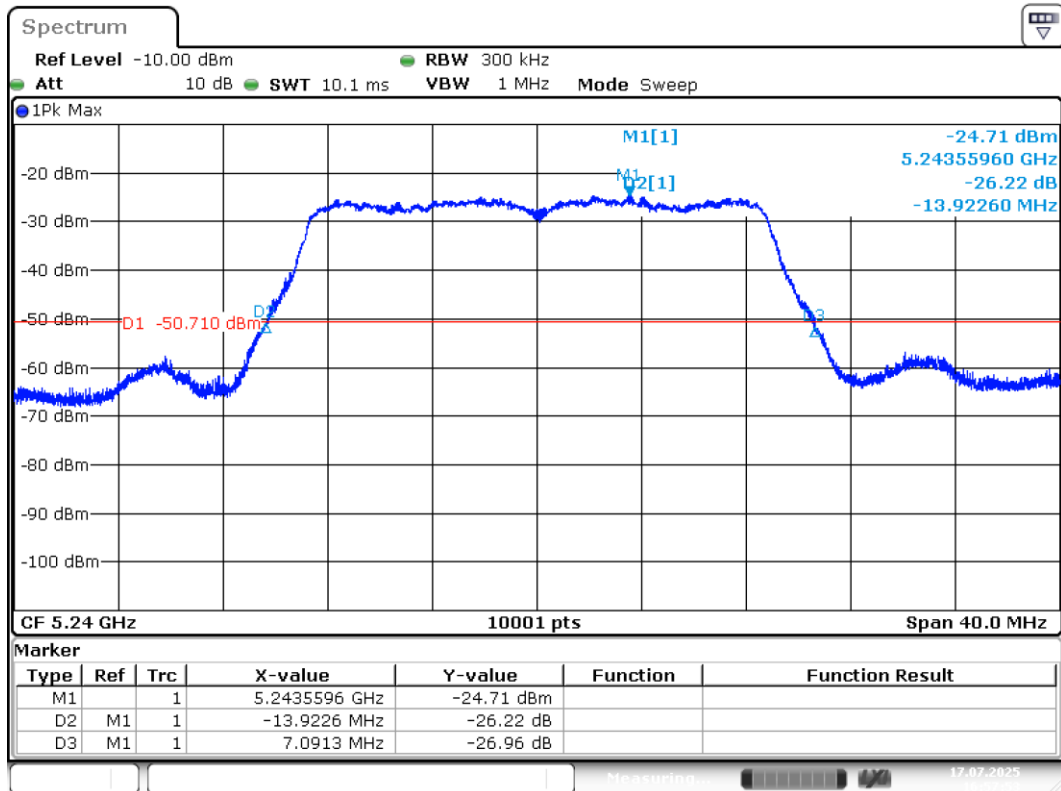
26dB bandwidth – Channel 5180 MHz – 802.11n



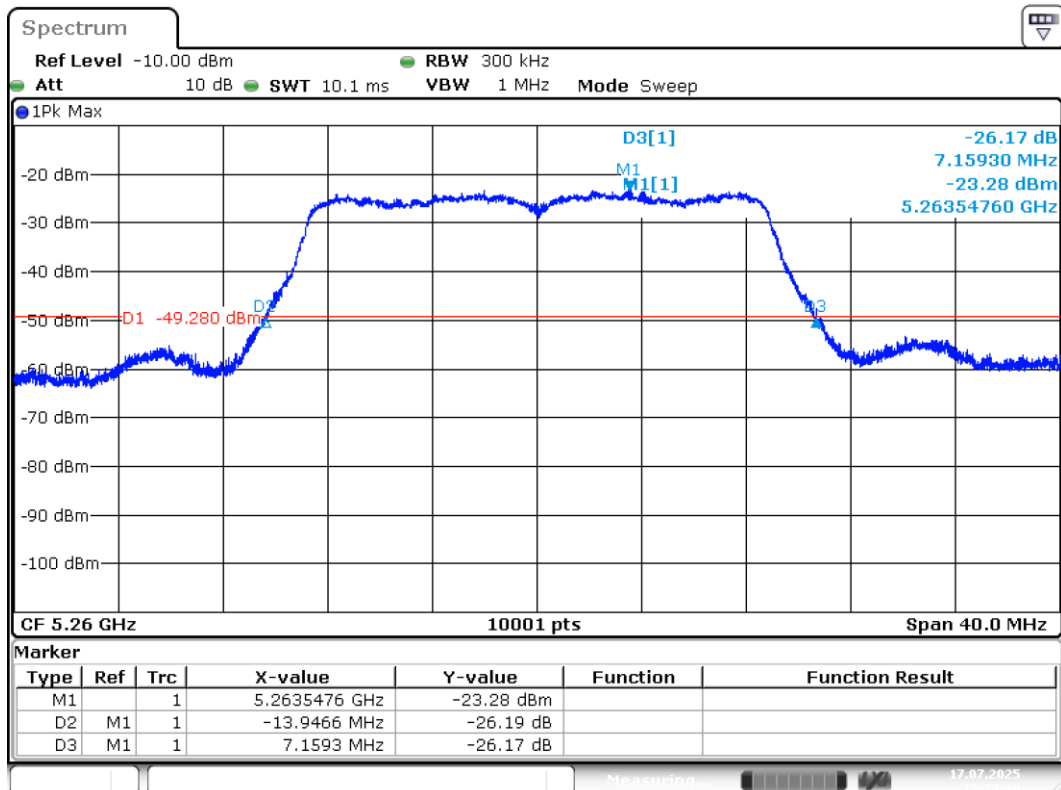
26dB bandwidth – Channel 5200 MHz – 802.11n



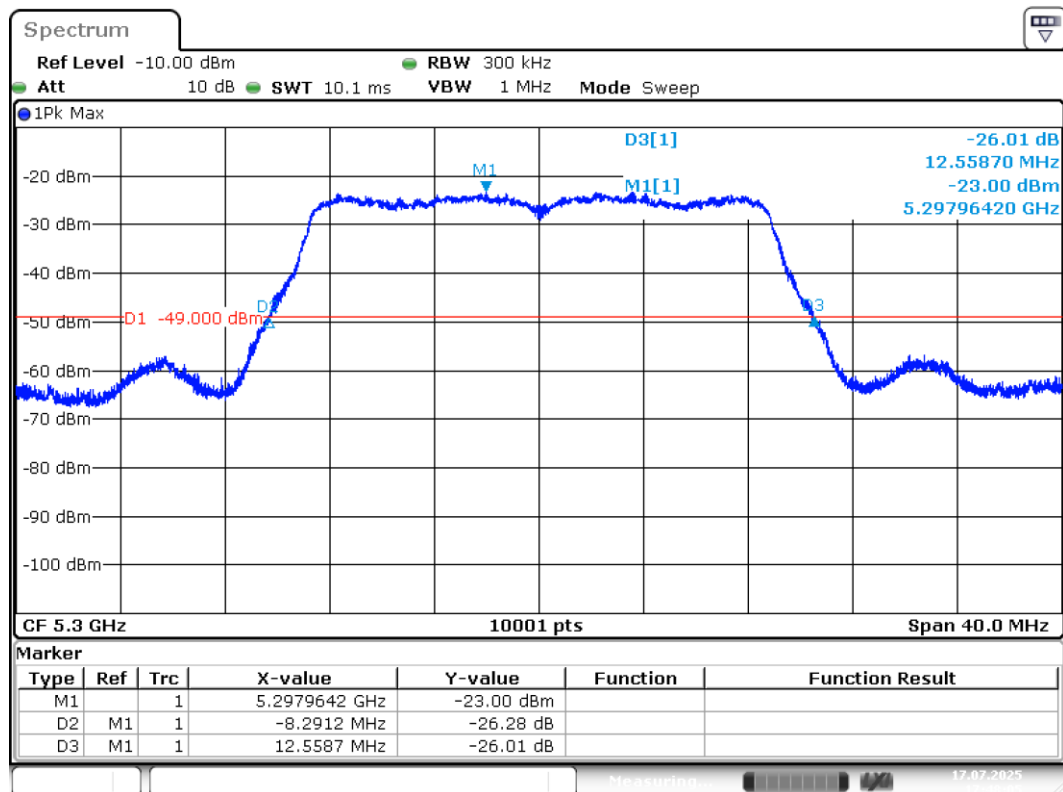
26dB bandwidth – Channel 5240 MHz – 802.11n



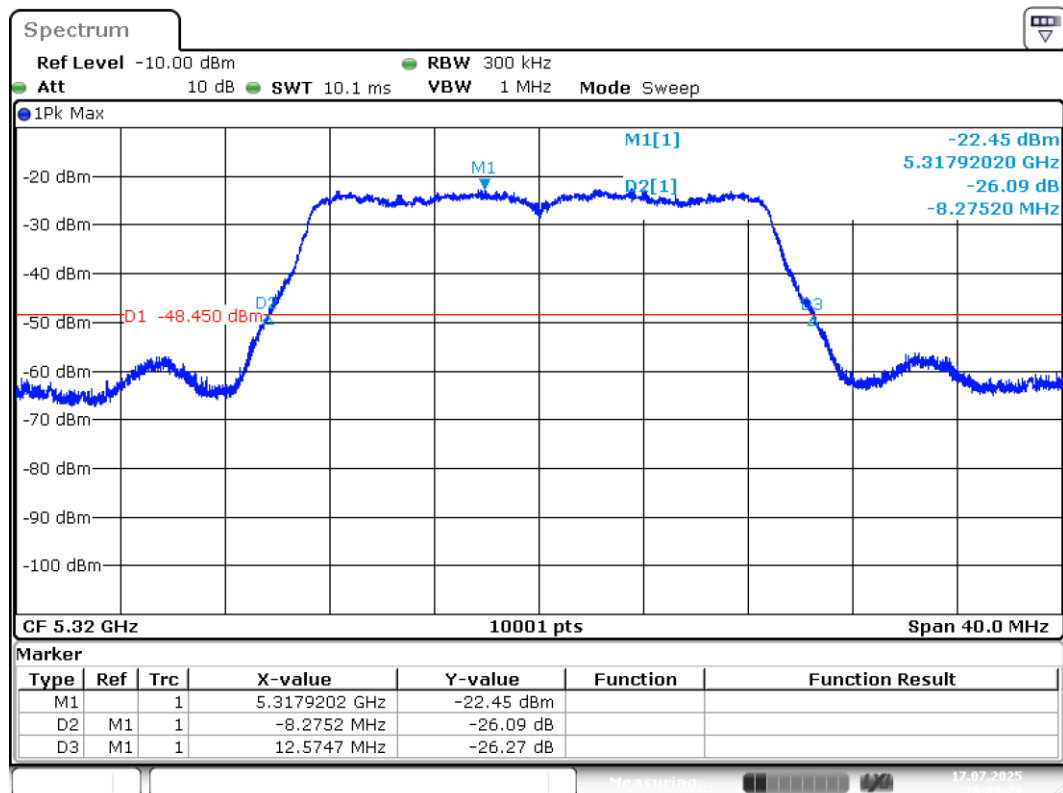
26dB bandwidth – Channel 5260 MHz – 802.11n



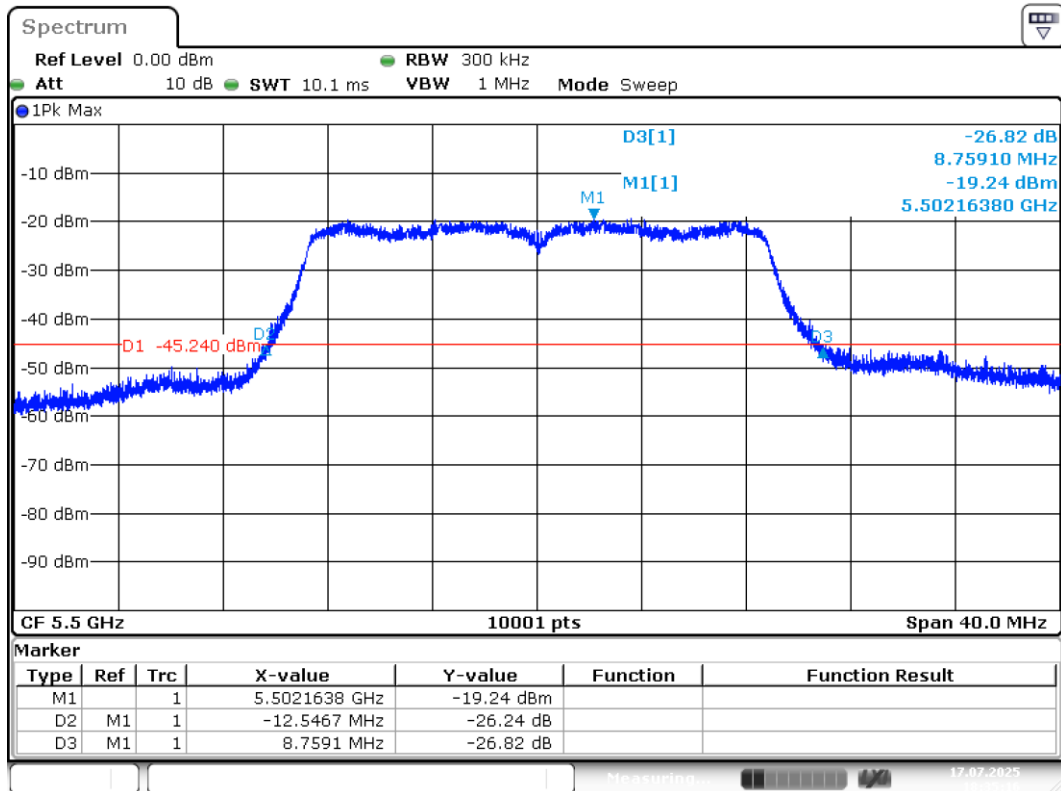
26dB bandwidth – Channel 5300 MHz – 802.11n



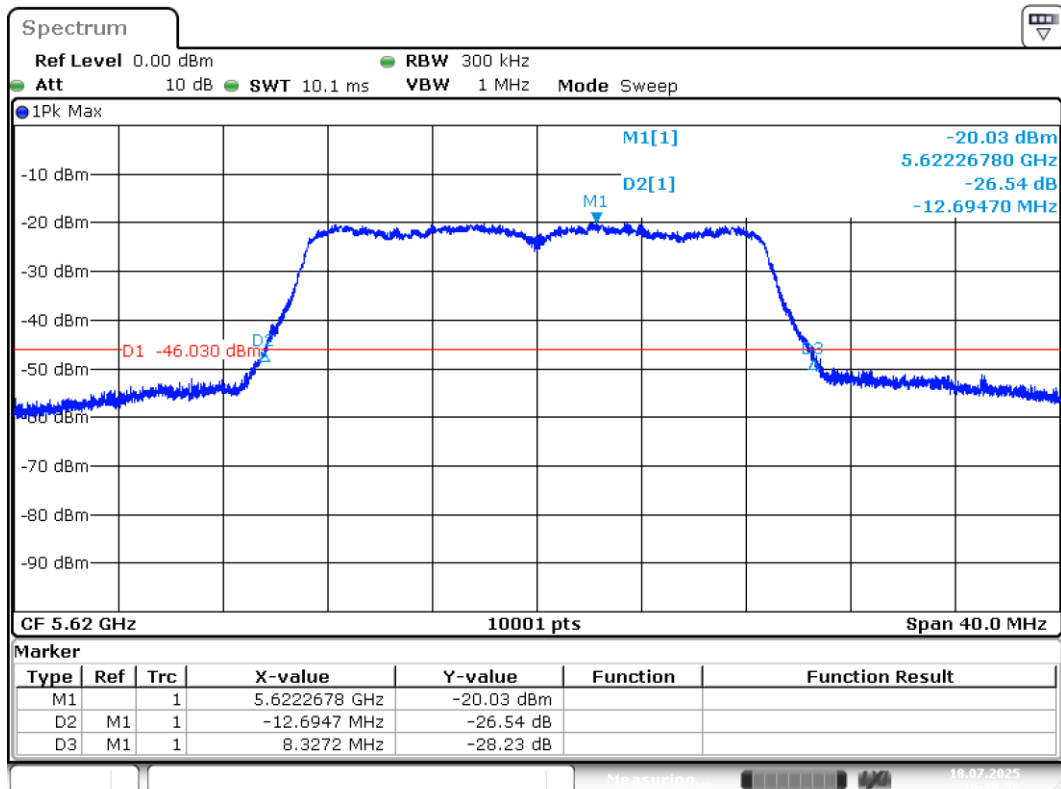
26dB bandwidth – Channel 5320 MHz – 802.11n



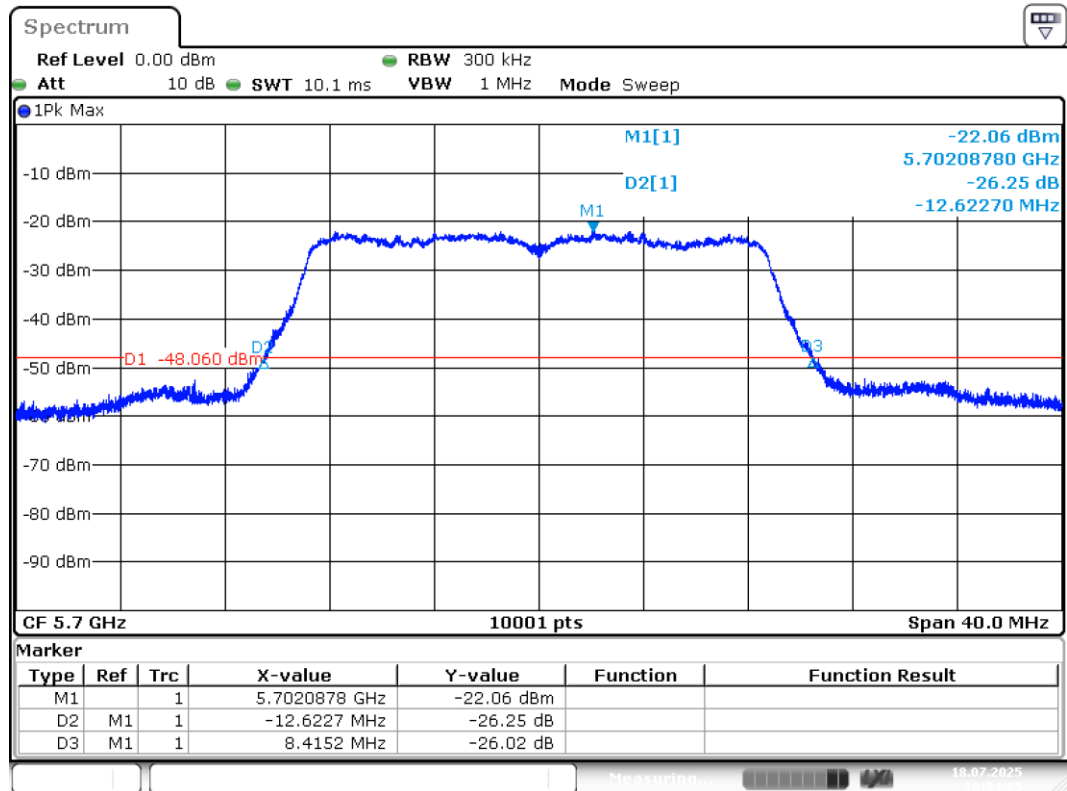
26dB bandwidth – Channel 5500 MHz – 802.11n



26dB bandwidth – Channel 5620 MHz – 802.11n



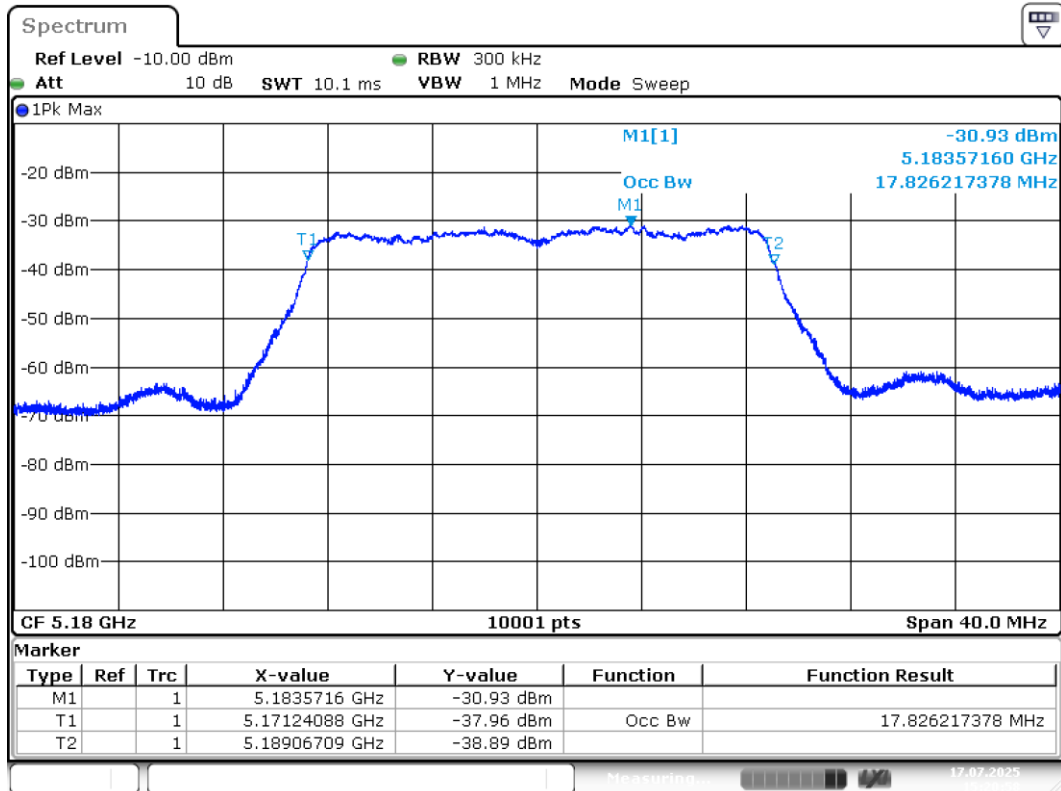
26dB bandwidth – Channel 5700 MHz – 802.11n



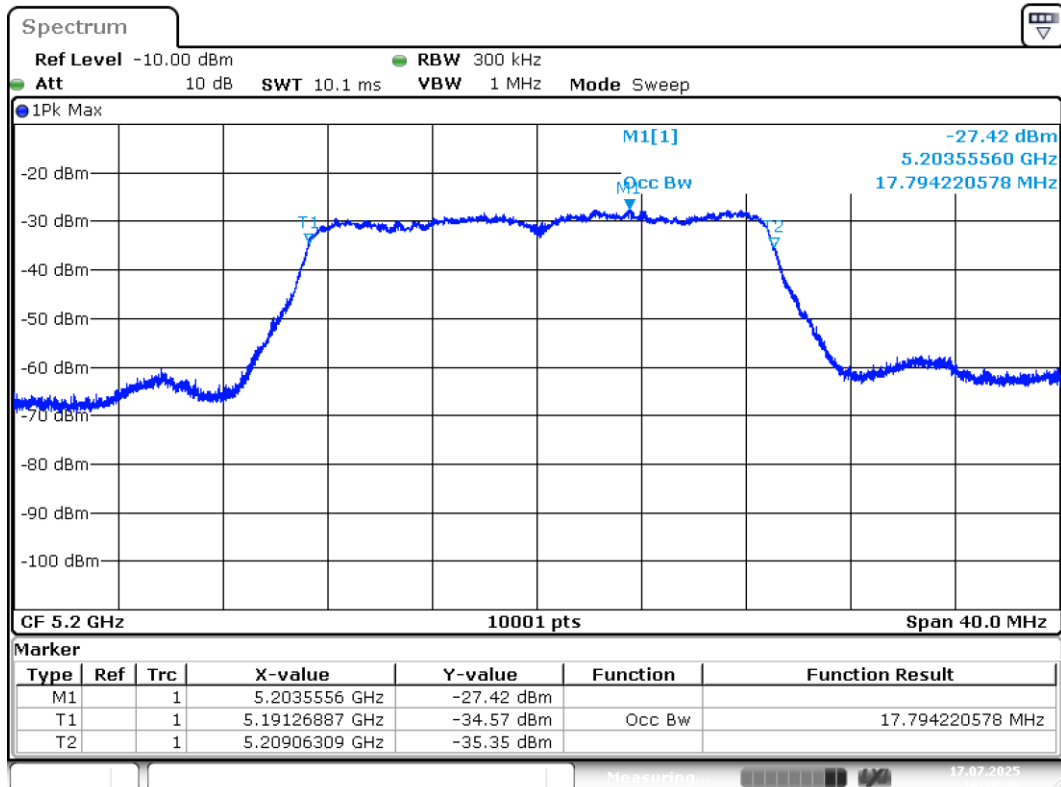
Measure realized for reporting only

Sample N° 1

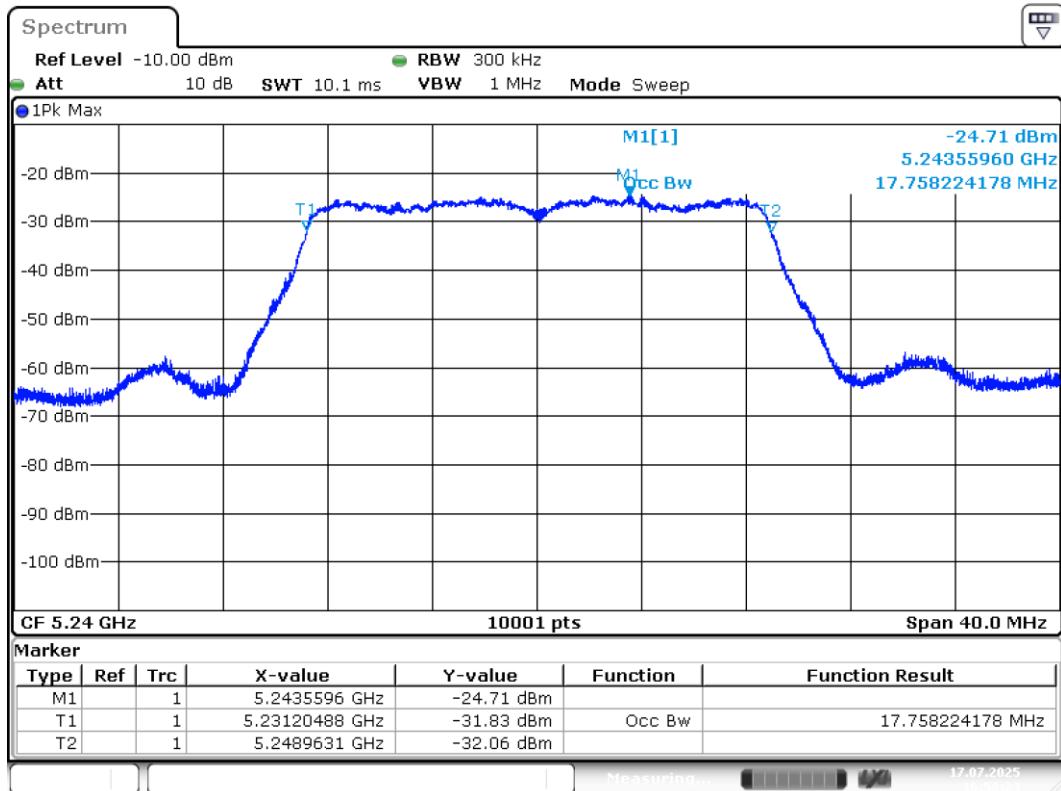
99% bandwidth – Channel 5180 MHz – 802.11n



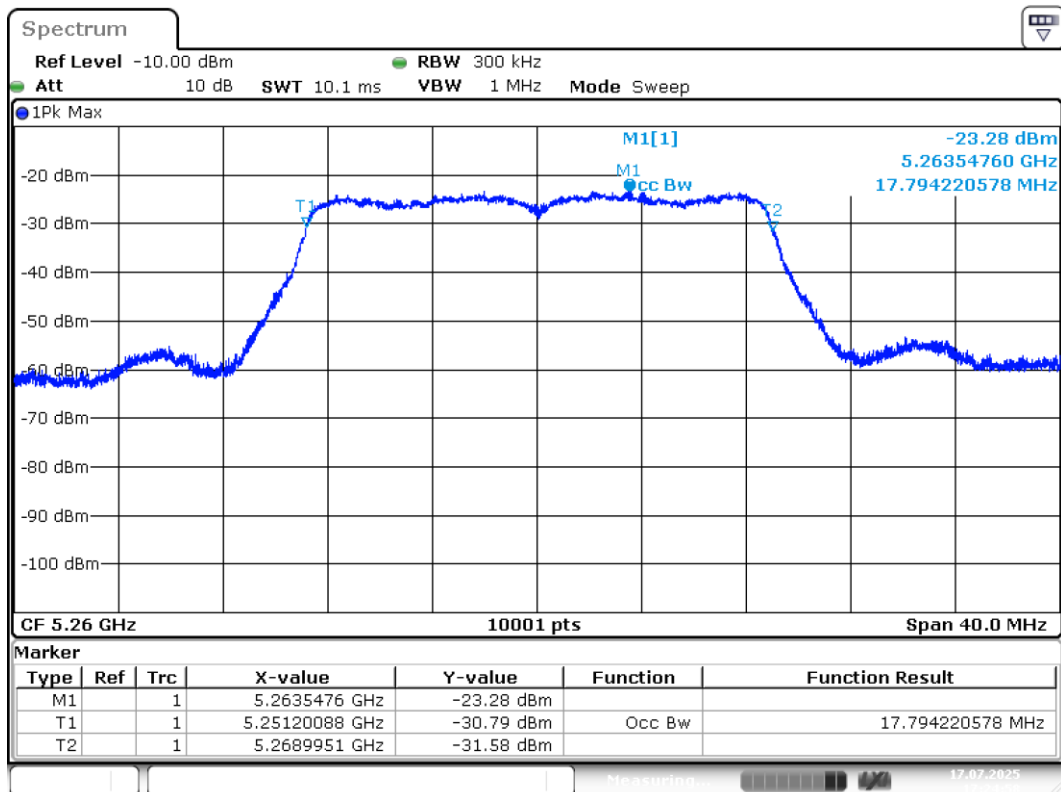
99% bandwidth – Channel 5200 MHz – 802.11n



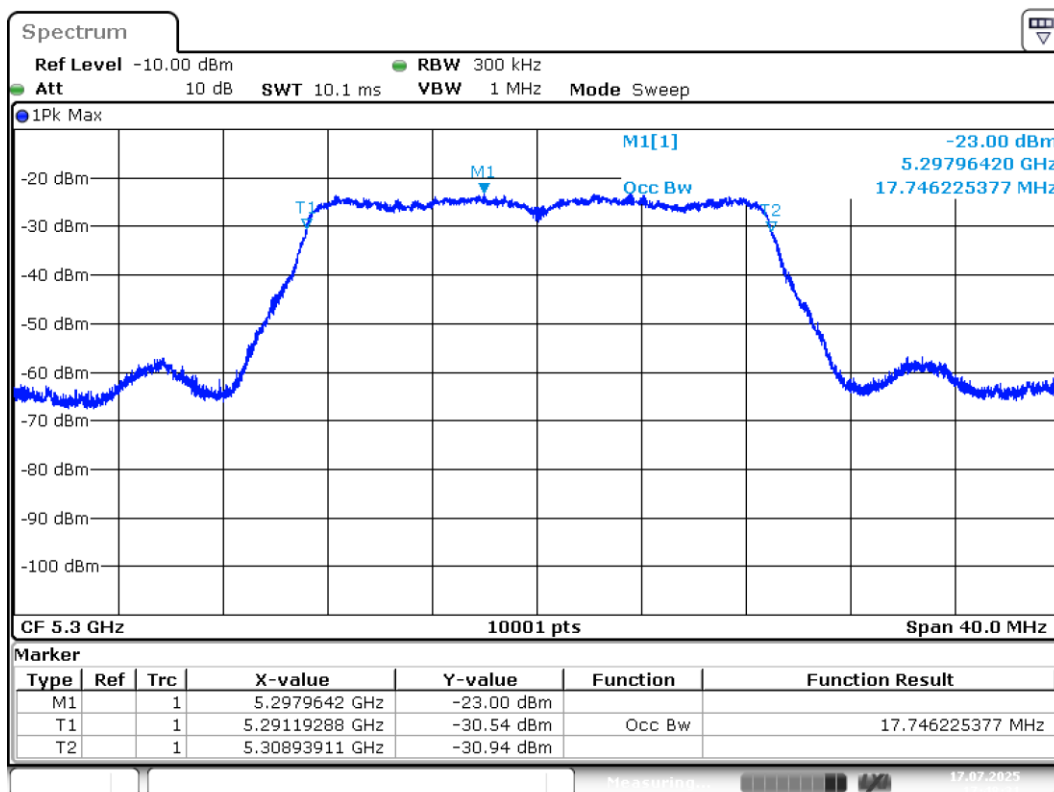
99% bandwidth – Channel 5240 MHz – 802.11n



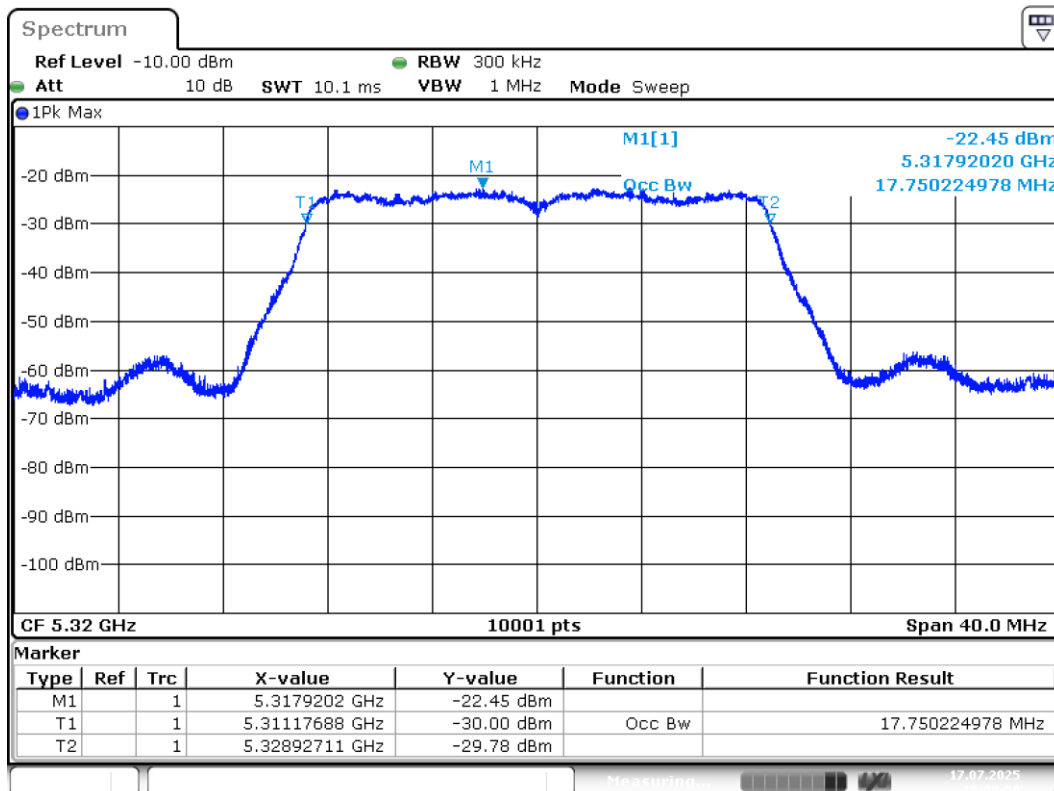
99% bandwidth – Channel 5260 MHz – 802.11n



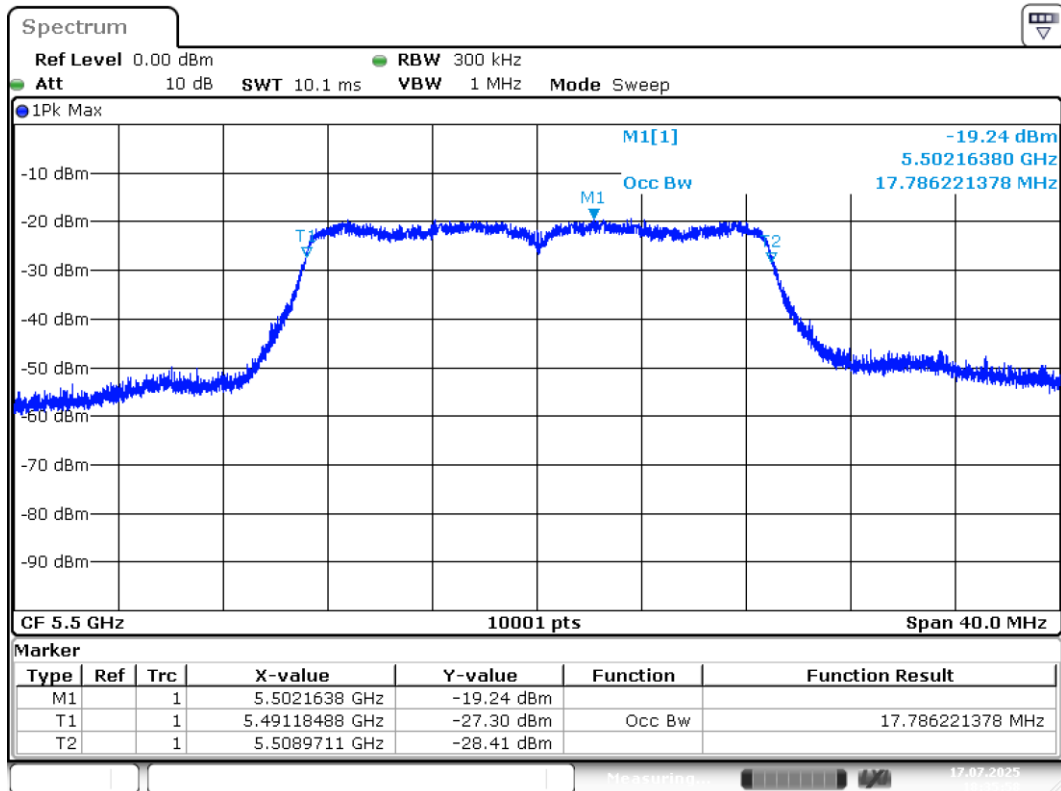
99% bandwidth – Channel 5300 MHz – 802.11n



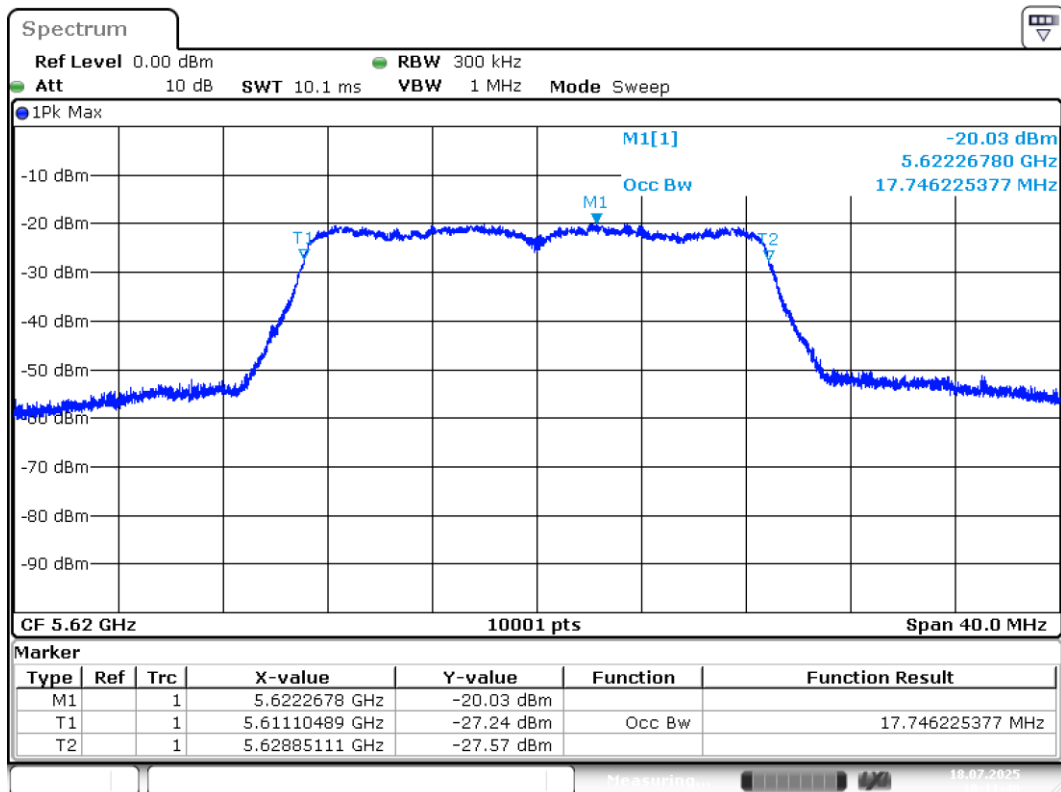
99% bandwidth – Channel 5320 MHz – 802.11n



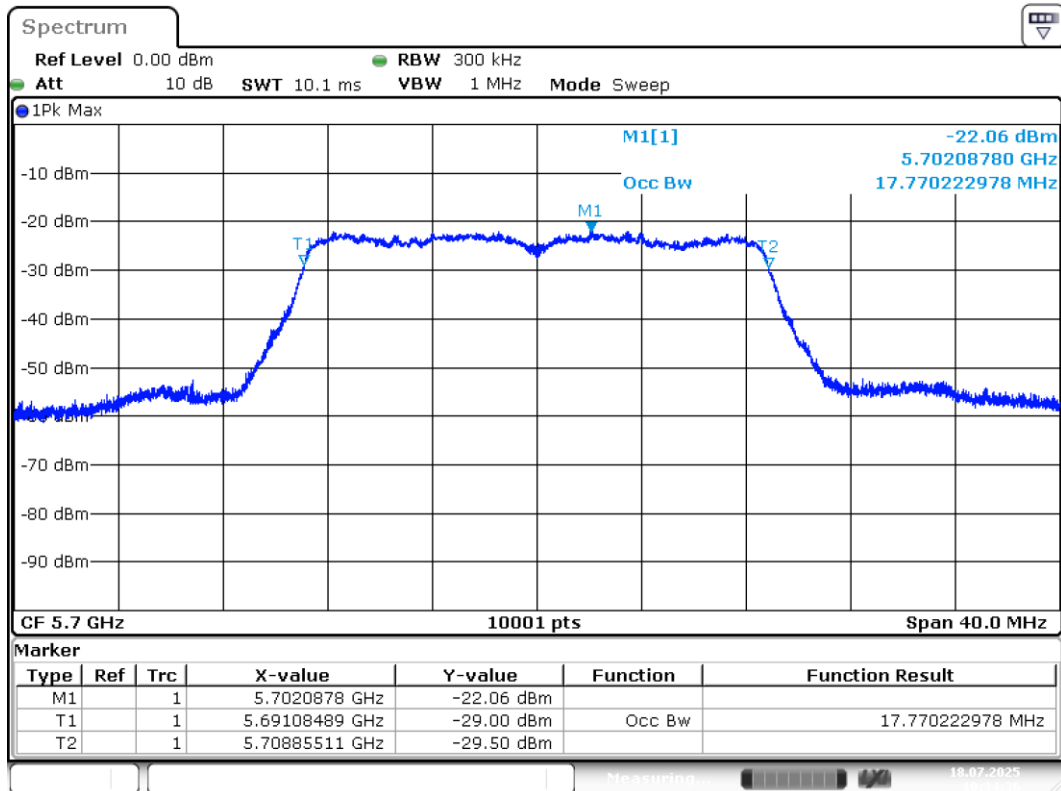
99% bandwidth – Channel 5500 MHz – 802.11n



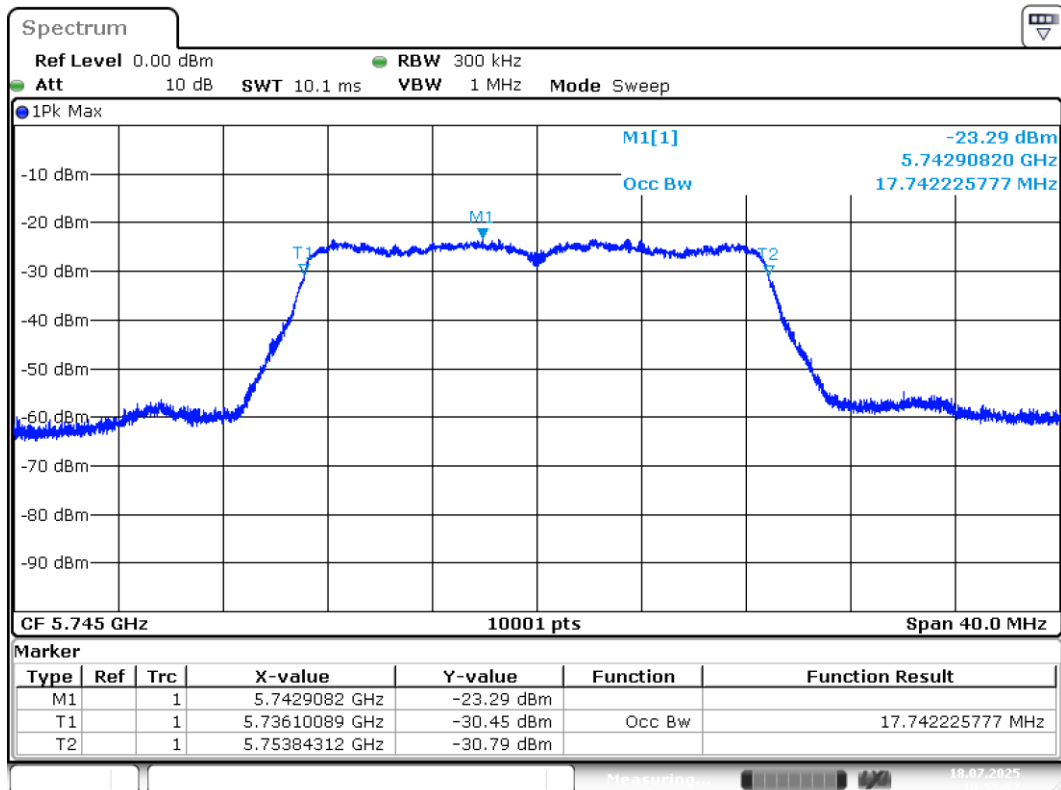
99% bandwidth – Channel 5620 MHz – 802.11n



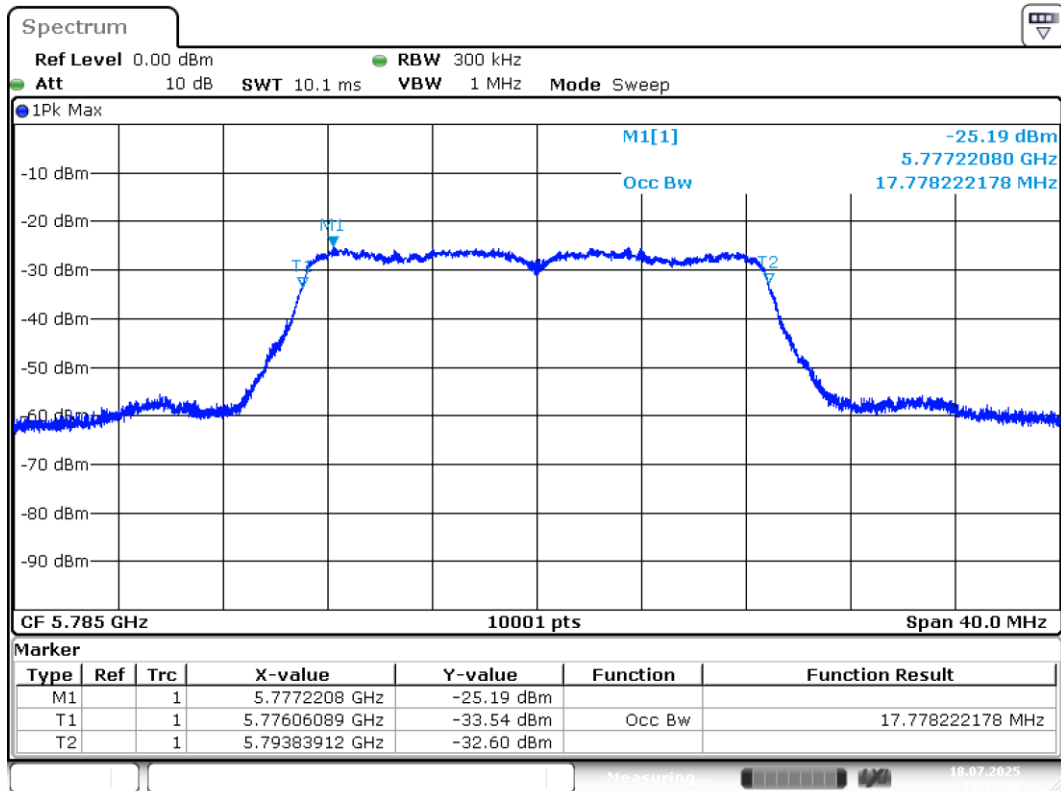
99% bandwidth – Channel 5700 MHz – 802.11n



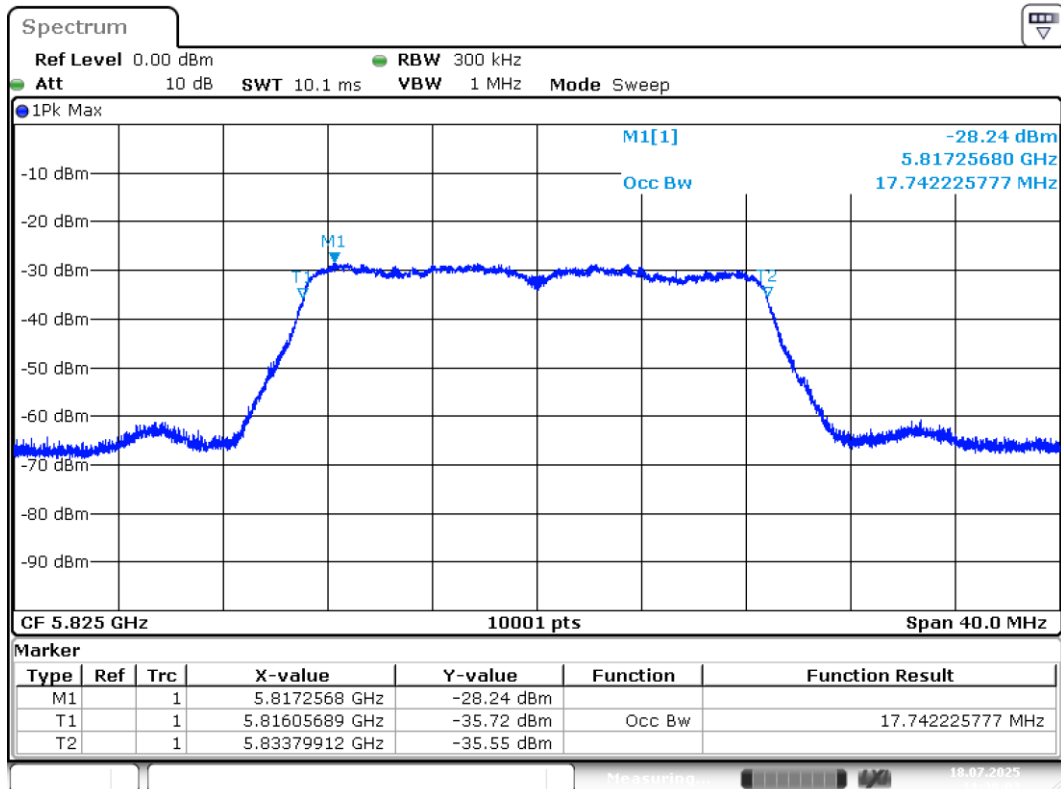
99% bandwidth – Channel 5745 MHz – 802.11n



99% bandwidth – Channel 5785 MHz – 802.11n



99% bandwidth – Channel 5825 MHz – 802.11n



Measure realized for reporting only