



FCC TEST REPORT

FCC ID: SY4-B01022

On Behalf of

Shanghai Huace Navigation Technology Ltd.

GNSS Data Collector

Model No.: TC100

Prepared for : Shanghai Huace Navigation Technology Ltd.
Address : 577 Songying Road, Qingpu District, 201706 Shanghai, China

Prepared By : Shenzhen Alpha Product Testing Co., Ltd.
Address : Building i, No.2, Lixin Road, Fuyong Street, Bao'an District,
518103, Shenzhen, Guangdong, China

Report Number : A2510115-C09-R04
Date of Receipt : November 7, 2025
Date of Test : November 7, 2025 – January 7, 2026
Date of Report : January 9, 2026
Version Number : V0
Result **Pass**

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TEST REPORT DECLARATION

Applicant : Shanghai Huace Navigation Technology Ltd.
Address : 577 Songying Road, Qingpu District, 201706 Shanghai, China
Manufacturer : Shanghai Huace Navigation Technology Ltd.
Address : 577 Songying Road, Qingpu District, 201706 Shanghai, China
EUT Description : GNSS Data Collector
(A) Model No. : TC100
(B) Trademark : 

Measurement Standard Used:

FCC Rules and Regulations Part 15 Subpart E

ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024

The device described above is tested by Shenzhen Alpha Product Testing Co., Ltd. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart E limits both conducted and radiated emissions. The test results are contained in this test report and Shenzhen Alpha Product Testing Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

After the test, our opinion is that EUT compliance with the requirement of the above standards.

This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Shenzhen Alpha Product Testing Co., Ltd.

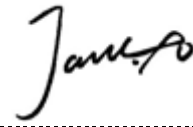
Tested by (name + signature).....:

Yannis Wen
Project Engineer



Approved by (name + signature).....:

Jack Xu
Project Manager



Date of issue.....:

January 9, 2026

Revision History

Revision	Issue Date	Revisions	Revised By
V0	January 9, 2026	Initial released Issue	Yannis Wen

1 Test Summary

Test Item	Section in CFR 47	Result
Antenna requirement	Section 15.203	PASS
AC Power Line Conducted Emission	Section 15.207(a)	PASS
Maximum Conducted Output Power	Section 15.407(a)	PASS
Power Spectral Density	Section 15.407(a)	PASS
26dB/6dB&99% Bandwidth	Section 15.407	PASS
Undesirable Emission	Section 15.407(b)	PASS
Conducted Spurious Emission	Section 15.407(b)	PASS
Conducted Band Edge	Section 15.407(b)	PASS
Radiated Emission	15.205&15.209 (a)	PASS
Radiated Band Edge	15.205&15.209 (a)	PASS

Remark:

1. Pass: The EUT complies with the essential requirements in the standard.
2. Frequency Stability: The manufacturer stated in the user's manual.
3. The conclusion of this test report is judged by actual test data without considering measurement uncertainty.

1.1 Measurement Uncertainty

Item	Uncertainty
Uncertainty for Power point Conducted Emissions Test	1.63dB
Uncertainty for Radiation Emission test in 3m chamber (below 30MHz)	3.5dB
Uncertainty for Radiation Emission test in 3m chamber (30MHz to 1GHz)	3.74dB(Polarize: V)
	3.76dB(Polarize: H)
Uncertainty for Radiation Emission test in 3m chamber (1GHz to 25GHz)	3.77dB(Polarize: V)
	3.80dB(Polarize: H)
Uncertainty for Radiation Emission test in 3m chamber (18GHz to 40GHz)	4.31 dB(Polarize: V)
	4.30 dB(Polarize: H)
Uncertainty for radio frequency	5.06×10-8GHz
Uncertainty for conducted RF Power	0.40dB
Uncertainty for temperature	0.2°C
Uncertainty for humidity	1%
Uncertainty for DC and low frequency voltages	0.06%
Uncertainty for Power Spectral Density	0.39dB
Uncertainty for Occupied-Bandwidth	968Hz

2 General Information

2.1 General Description of EUT

EUT Name	: GNSS Data Collector
Model No.	: TC100
DIFF.	: N/A
Power supply	: DC 5V from adapter and DC 3.8V from battery
Radio Technology	: 5G WIFI
Operation Frequency	: 802.11a/n(HT20)/ac(VHT20): 5180~5240MHz; 5260-5320MHz; 5500-5700MHz; 5745~5825MHz 802.11n(HT40)/ac(VHT40): 5190~5230MHz; 5270-5310MHz; 5510-5670MHz; 5755~5795MHz 802.11ac(VHT80): 5210MHz, 5290MHz, 5530MHz, 5775MHz
Channel separation	: 20MHz for 802.11a/ 802.11ac(VHT20)/ 802.11n(HT20) 40MHz for 802.11ac(VHT40)/ 802.11n(HT40) 80MHz for 802.11ac(VHT80)
Modulation technology:	: IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (64QAM, 16QAM, QPSK, BPSK)
Antenna Type	: FPC antenna, max gain 2.8dBi (Antenna information is provided by applicant.)
Software version	: V1.0
Hardware version	: V1.0
Intend use environment	: Residential, commercial and light industrial environment

2.2 Test mode

Transmitting mode Keep the EUT in transmitting with modulation.

EUT was test with 99% duty cycle at its maximum power control level.

Remark: During the test, the test voltage was tuned from 85% to 115% of the nominal rated supply voltage, and found that the worst case was under the nominal rated supply condition. So the report just shows that condition's data.

U-NII-1:

Tested mode, channel, and data rate information			
Mode	Data rate (Mbps) see Note	Channel	Frequency (MHz)
IEEE 802.11a	6	CH36	5180
	6	CH40	5200
	6	CH48	5240
IEEE 802.11n HT20	6.5	CH36	5180
	6.5	CH40	5200
	6.5	CH48	5240
IEEE 802.11n HT40	13.5	CH38	5190
	13.5	CH46	5230
IEEE 802.11ac VHT20	6.5	CH36	5180
	6.5	CH40	5200
	6.5	CH48	5240
IEEE 802.11ac VHT40	13.5	CH38	5190
	13.5	CH46	5230
IEEE 802.11ac VHT80	433.3	CH42	5210
Note: According exploratory test and product specification EUT will have maximum output power in those data rate, so those data rate were used for all test.			

U-NII-2A:

Tested mode, channel, and data rate information			
Mode	Data rate (Mbps) see Note	Channel	Frequency (MHz)
IEEE 802.11a	6	CH52	5260
	6	CH56	5280
	6	CH64	5320
IEEE 802.11n HT20	6.5	CH52	5260
	6.5	CH56	5280
	6.5	CH64	5320
IEEE 802.11n HT40	13.5	CH54	5270
	13.5	CH62	5310
IEEE 802.11ac VHT20	6.5	CH52	5260
	6.5	CH56	5280
	6.5	CH64	5320
IEEE 802.11ac VHT40	13.5	CH54	5270
	13.5	CH62	5310
IEEE 802.11ac VHT80	433.3	CH58	5290
Note: According exploratory test and product specification EUT will have maximum output power in those data rate, so those data rate were used for all test.			

U-NII-2C:

Tested mode, channel, and data rate information			
Mode	Data rate (Mbps) see Note	Channel	Frequency (MHz)
IEEE 802.11a	6	CH100	5500
	6	CH116	5580
	6	CH140	5700
IEEE 802.11n HT20	6.5	CH100	5500
	6.5	CH116	5580
	6.5	CH140	5700
IEEE 802.11n HT40	13.5	CH102	5510
	13.5	CH134	5670
IEEE 802.11ac VHT20	6.5	CH100	5500
	6.5	CH116	5580
	6.5	CH140	5700
IEEE 802.11ac VHT40	13.5	CH102	5510
	13.5	CH134	5670
IEEE 802.11ac VHT80	433.3	CH106	5530
Note: According exploratory test and product specification EUT will have maximum output power in those data rate, so those data rate were used for all test.			

UNII-3:

Tested mode, channel, and data rate information			
Mode	Data rate (Mbps) see Note	Channel	Frequency (MHz)
IEEE 802.11a	6	CH149	5745
	6	CH157	5785
	6	CH165	5825
IEEE 802.11n HT20	6.5	CH149	5745
	6.5	CH157	5785
	6.5	CH165	5825
IEEE 802.11n HT40	13.5	CH151	5755
	13.5	CH159	5795
IEEE 802.11ac VHT20	6.5	CH149	5745
	6.5	CH157	5785
	6.5	CH165	5825
IEEE 802.11ac VHT40	13.5	CH151	5755
	13.5	CH159	5795
IEEE 802.11ac VHT80	433.3	CH155	5775
Note: According exploratory test and product specification EUT will have maximum output power in those data rate, so those data rate were used for all test.			

2.3 Test Facility

Shenzhen Alpha Product Testing Co., Ltd

Building i, No.2, Lixin Road, Fuyong Street, Bao'an District, 518103, Shenzhen, Guangdong, China

June 21, 2018 File on Federal Communication Commission

Registration Number: 293961

July 25, 2017 Certificated by IC

Registration Number: 12135A

CAB identified: CN0085

2.4 Description of Support Units

Accessories : AC Adapter
Manufacturer : Yisheng Electronics Co., LTD
Model : EA1012AVRU-050
Ratings : AC Input: 100-240Vac, 1.0A, 50~60Hz
DC Output: 5.0V=2.4A 12.0W

2.5 Deviation from Standards

None.

2.6 Abnormalities from Standard Conditions

None.

2.7 Other Information Requested by the Customer

None.

2.8 Additional instructions

Software (Used for test) from client

Channel	Power level
Lowest	Default
Middle	Default
Highest	Default

Note: Use the engineering interface to control EUT operation in continuous TX mode, and select test channel, wireless mode, The power level for the test is set to default.

3 Test Instruments list

Equipment	Manufacturer	Model No.	Firmware version	Serial No.	Last Cal.	Cal. Due day
9*6*6 anechoic chamber	CHENYU	9*6*6	/	N/A	2025.03.09	4Year
4*4*3 Shielded room	CHENYU	4*4*3	/	N/A	2025.03.09	4Year
Spectrum analyzer	ROHDE&SCHWARZ	FSV40-N	2.3	102137	2025.08.04	1Year
Spectrum analyzer	Agilent	N9020A	A.14.16	MY499100060	2025.08.04	1Year
Spectrum analyzer	Keysight	N9020A	A.19.05	MY54500254	2025.08.04	1Year
CMW500	ROHDE&SCHWARZ	CMW500	V 3.7.20	1201.0002K50-149889-wL	2025.08.04	1Year
CMW500	ROHDE&SCHWARZ	CMW500	V 3.7.22	1201.0002K50-117239-sM	2025.08.04	1Year
UXM 5G Base Wireless Test Platform	Keysight	E5175E	1.8.1.2908 2(NR)(LTE)	MY62226130	2025.03.06	1Year
Test Receiver	ROHDE&SCHWARZ	ESR	2.28 SP1	1316.3003K03-102082-Wa	2025.08.04	1Year
Test Receiver	ROHDE&SCHWARZ	ESCI	4.42 SP1	101165	2025.08.04	1Year
Bilog Antenna	SCHWARZBECK	VULB 9168	/	VULB 9168#627	2025.08.11	2Year
Horn Antenna	SCHWARZBECK	BBHA 9120 D	/	2106	2025.08.11	2Year
Loop Antenna	SCHWARZBECK	FMZB 1519B	/	00128	2025.08.11	2Year
RF Cable	Resenberger	Cable 1	/	RE1	2025.08.04	1Year
RF Cable	Resenberger	Cable 2	/	RE2	2025.08.04	1Year
RF Cable	Resenberger	Cable 3	/	CE1	2025.08.04	1Year
Amplifier	HP	HP8347A	/	2834A00455	2025.08.04	1Year
Amplifier	Agilent	8449B	/	3008A02664	2025.08.04	1Year
L.I.S.N.#1	SCHWARZBECK	NSLK8126	/	8126-466	2025.08.04	1Year
L.I.S.N.#2	ROHDE&SCHWARZ	ENV216	/	101043	2025.08.04	1Year
Horn Antenna	SCHWARZBECK	BBHA 9170	/	00946	2025.08.11	2Year
Preamplifier	SKET	LNPA_1840-50	/	SK2018101801	2025.08.04	1 Year
Vector Signal Generator	Agilent	N5182A	/	MY49060042	2025.08.04	1 Year
Vector Signal Generator	Agilent	N5172B	2.02	MY51350397	2025.08.04	1 Year
Power Meter	Agilent	E4419B	/	GB40202122	2025.08.04	1 Year
Power Sensor	Agilent	E9300A	/	MY41496628	2025.08.04	1 Year
Power Sensor	Agilent	E9304A	/	MY41496815	2025.08.04	1 Year
Power Sensor	DARE	RPR3006W		15100041SNO91	2025.08.04	1 Year
Power Sensor	DARE	RPR3006W		15100041SNO92	2025.08.04	1 Year
Temp. & Humid. Chamber	Teelong	TL-HW408S	/	TL-20191205-01	2025.07.14	1 Year
Electronic Thermo-Hygrometer	S.H.Qixiang	HTC-1	/	N/A	2025.08.04	1 Year
Switching Mode Power Supply	JUNKE	JK12010S	/	20140927-6	2025.08.04	1 Year
Adjustable attenuator	MWRFTtest	N/A	/	N/A	N/A	N/A
10dB Attenuator	Mini-Circuits	DC-6G	/	N/A	N/A	N/A

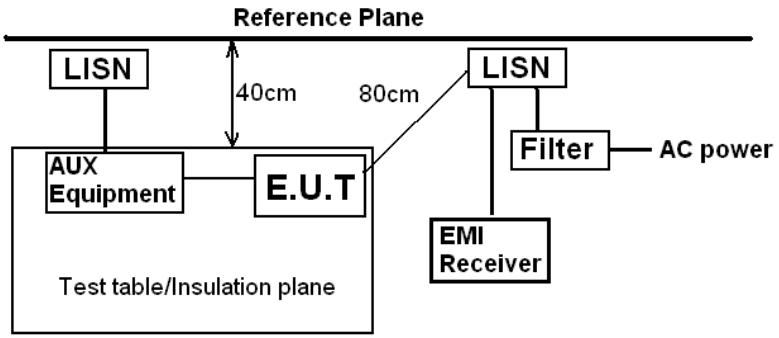
Software Information			
Test Item	Software Name	Manufacturer	Version
RE	EZ-EMC	EZ	Alpha-3A1
CE	EZ-EMC	EZ	Alpha-3A1
RF-CE	MTS 8310	MW	V2.0.0.0

4 Test results and Measurement Data

4.1 Antenna requirement:

Standard requirement:	FCC Part15 C Section 15.203
15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.	
E.U.T Antenna:	
The antenna is FPC antenna. The best case gain of the antenna is 2.8dBi, for 5180~5240MHz; 5260-5320MHz; 5500-5700MHz; 5745~5825MHz	

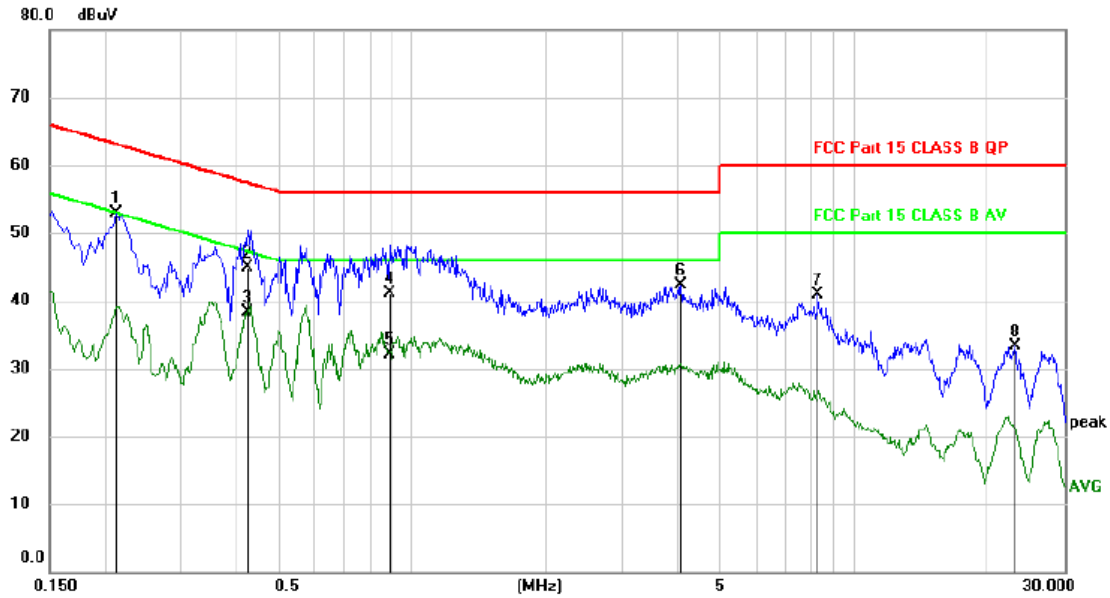
4.2 Conducted Emissions

Test Requirement:	FCC Part15 C Section 15.207		
Test Method:	ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024		
Test Frequency Range:	150KHz to 30MHz		
Class Severity:	Class B		
Class B			
Receiver setup:	RBW=9KHz, VBW=30KHz		
Limit:	Frequency range (MHz)	Limit (dBuV)	
		Quasi-peak	Average
	0.15-0.5	66 to 56*	56 to 46*
	0.5-5	56	46
	5-30	60	50
* Decreases with the logarithm of the frequency.			
Test procedure	The E.U.T and simulators are connected to the main power through a line impedance stabilization network(L.I.S.N.). The provide a 50ohm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refers to the block diagram of the test setup and photographs). Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10:2013 on conducted measurement.		
Test setup:	 Remark E.U.T: Equipment Under Test LISN: Line Impedance Stabilization Network Test table height=0.8m		
Test results:	Pass		

Measurement Data

An initial pre-scan was performed on the line and neutral lines with peak detector. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.

Line:

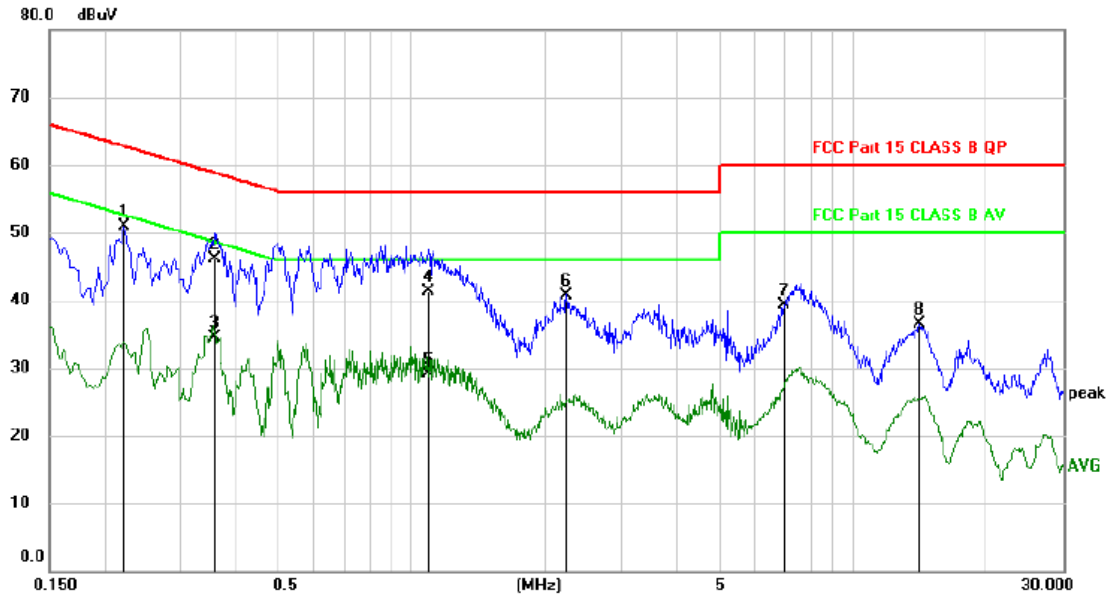


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.2130	42.91	9.93	52.84	63.09	-10.25	peak	
2		0.4230	35.02	9.94	44.96	57.39	-12.43	QP	
3	*	0.4230	28.41	9.94	38.35	47.39	-9.04	AVG	
4		0.8850	31.14	9.97	41.11	56.00	-14.89	QP	
5		0.8850	22.23	9.97	32.20	46.00	-13.80	AVG	
6		4.0650	32.30	9.97	42.27	56.00	-13.73	peak	
7		8.3129	30.66	10.16	40.82	60.00	-19.18	peak	
8		23.2200	22.93	10.46	33.39	60.00	-26.61	peak	

*:Maximum data x:Over limit !:over margin

(Reference Only)

Note: Measurement=Reading Level+Correc Factor. Factor=(LISN or ISN or PLC or Current Probe)Factor+Cable

Neutral:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.2220	41.03	9.94	50.97	62.74	-11.77	peak	
2		0.3570	36.09	9.95	46.04	58.80	-12.76	QP	
3		0.3570	24.58	9.95	34.53	48.80	-14.27	AVG	
4		1.0890	31.46	9.91	41.37	56.00	-14.63	QP	
5		1.0890	19.26	9.91	29.17	46.00	-16.83	AVG	
6		2.2470	30.91	9.89	40.80	56.00	-15.20	peak	
7		6.9600	29.26	10.12	39.38	60.00	-20.62	peak	
8		14.2050	26.10	10.31	36.41	60.00	-23.59	peak	

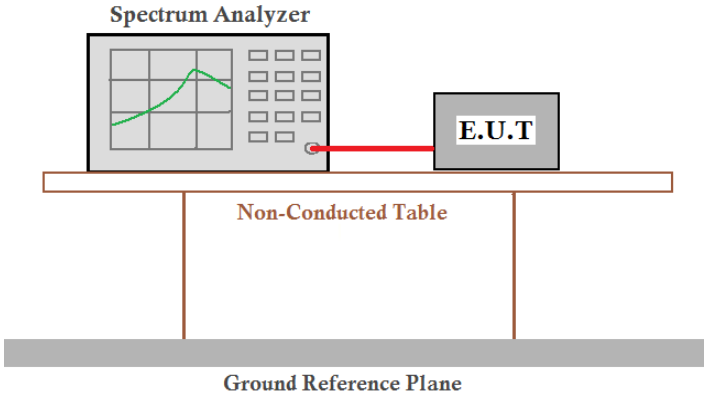
*:Maximum data x:Over limit !:over margin

(Reference Only)

Note: Measurement=Reading Level+Correc Factor. Factor=(LISN or ISN or PLC or Current Probe)Factor+Cable

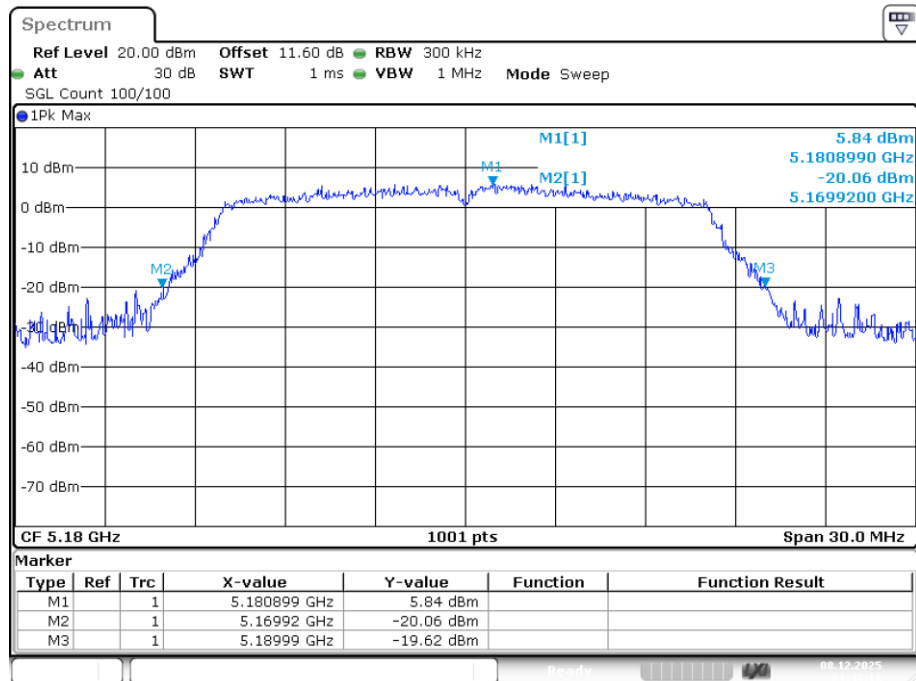
Note: All modes and channels have been tested and only the 802.11a 5180MHz mode with the worst data is listed.

4.3 Emission Bandwidth and 99% Occupied Bandwidth

Test Requirement:	FCC Part15 E Section 15.407
Test Method:	ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024
Limit:	N/A
Test setup:	 The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T (Equipment Under Test) via a red cable. Both the Spectrum Analyzer and the E.U.T are placed on a Non-Conducted Table. The table is supported by a Ground Reference Plane.
Test procedure:	1. Set center frequency to the nominal EUT channel center frequency. 2. Set span = 1.5 times to 5.0 times the OBW. 3. Set RBW = 1% to 5% of the OBW 4. Set VBW ≥ 3 RBW 5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used. 6. Use the 99% power bandwidth function of the instrument (if available). 7. If the instrument does not have a 99% power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.
Test results:	Pass

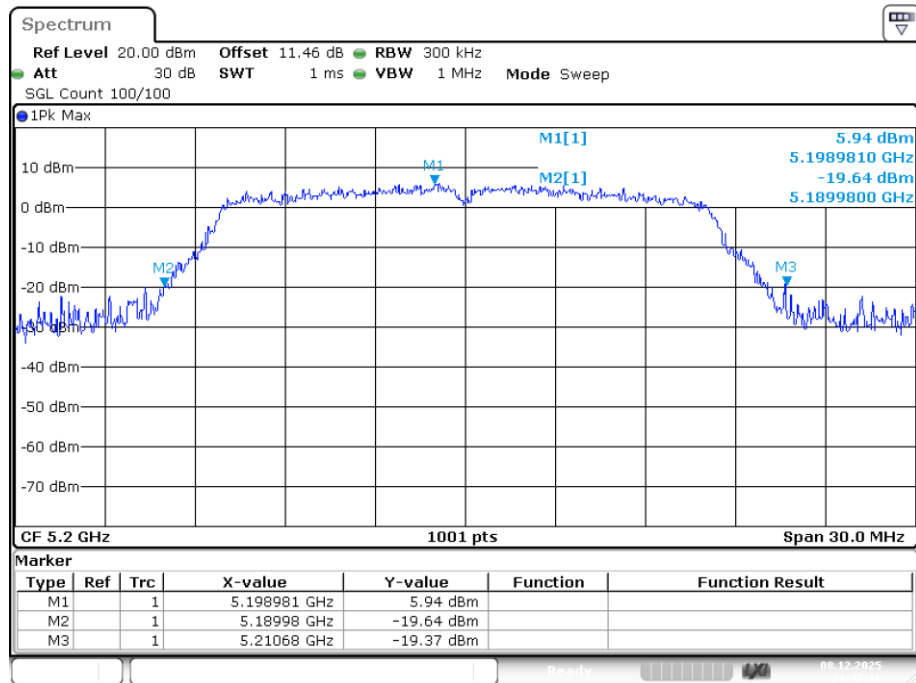
Measurement Data:**Band 1 (5150-5250 MHz):****-26dB Bandwidth**

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant1	20.07
NVNT	a	5200	Ant1	20.7
NVNT	a	5240	Ant1	21
NVNT	ac20	5180	Ant1	20.25
NVNT	ac20	5200	Ant1	20.49
NVNT	ac20	5240	Ant1	20.4
NVNT	ac40	5190	Ant1	41.16
NVNT	ac40	5230	Ant1	41.4
NVNT	ac80	5210	Ant1	82.2
NVNT	n20	5180	Ant1	21.6
NVNT	n20	5200	Ant1	21.36
NVNT	n20	5240	Ant1	25.02
NVNT	n40	5190	Ant1	40.8
NVNT	n40	5230	Ant1	59.4

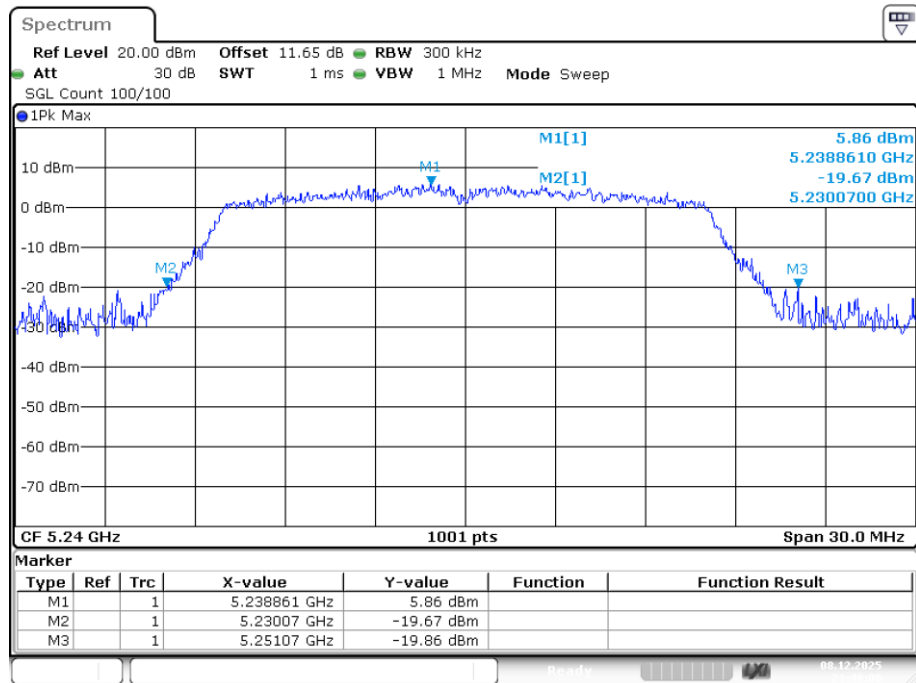
-26dB Bandwidth NVNT a 5180MHz Ant1

Date: 8.DEC.2025 21:45:18

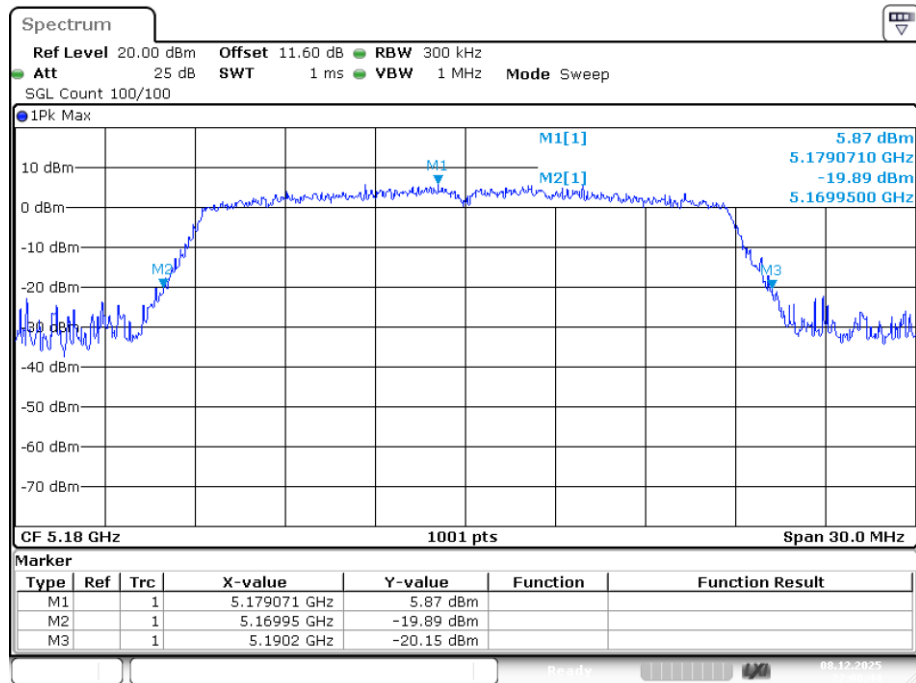
-26dB Bandwidth NVNT a 5200MHz Ant1



-26dB Bandwidth NVNT a 5240MHz Ant1

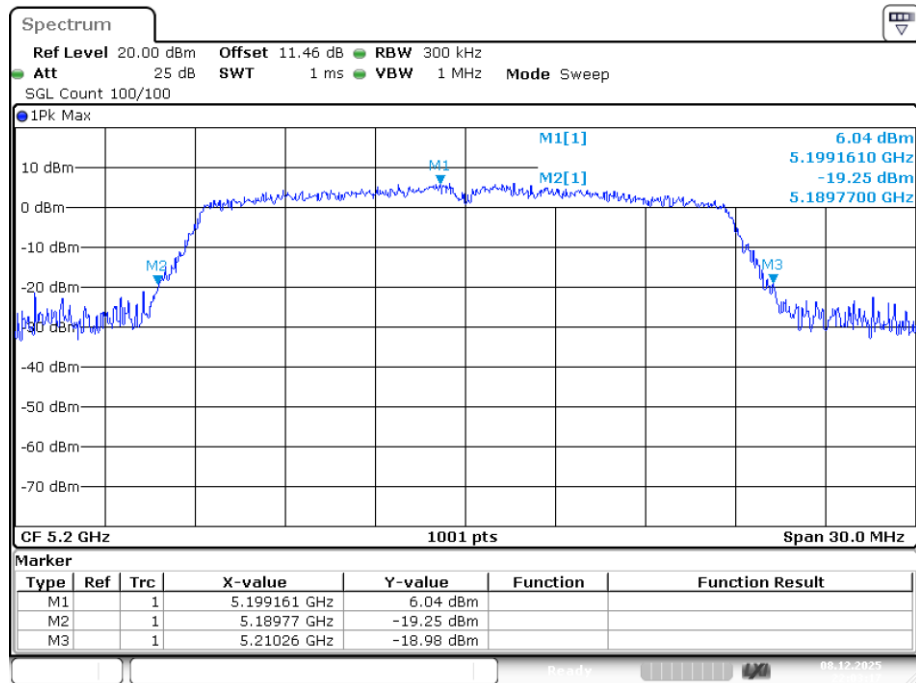


-26dB Bandwidth NVNT ac20 5180MHz Ant1



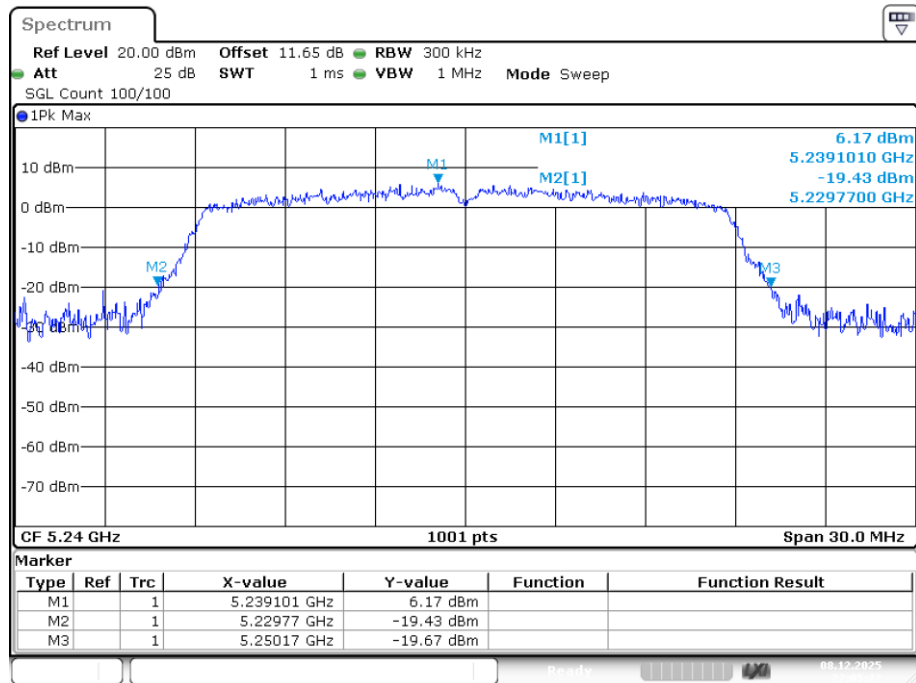
Date: 8.DEC.2025 22:00:43

-26dB Bandwidth NVNT ac20 5200MHz Ant1

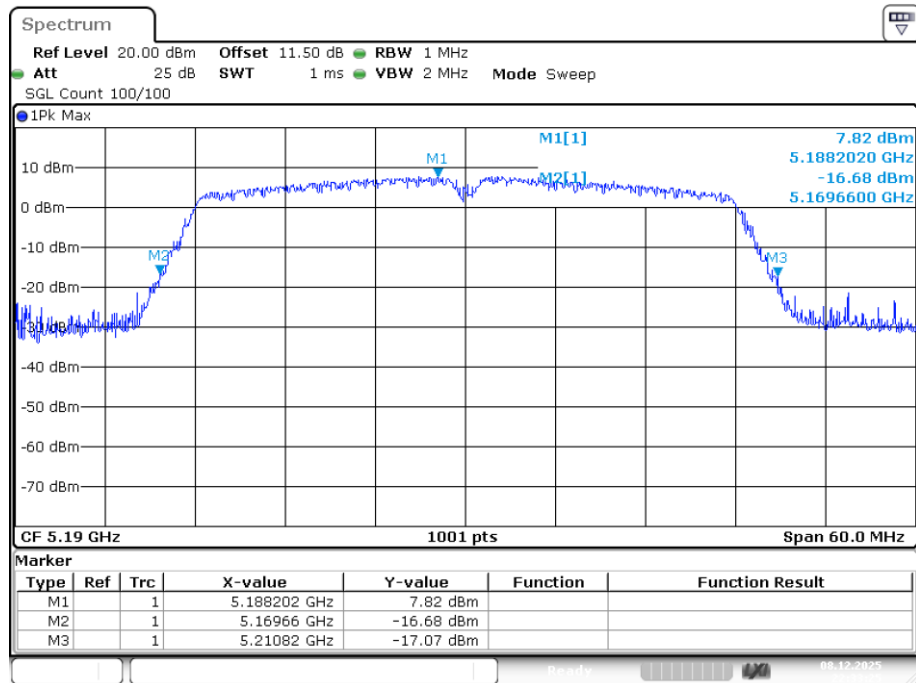


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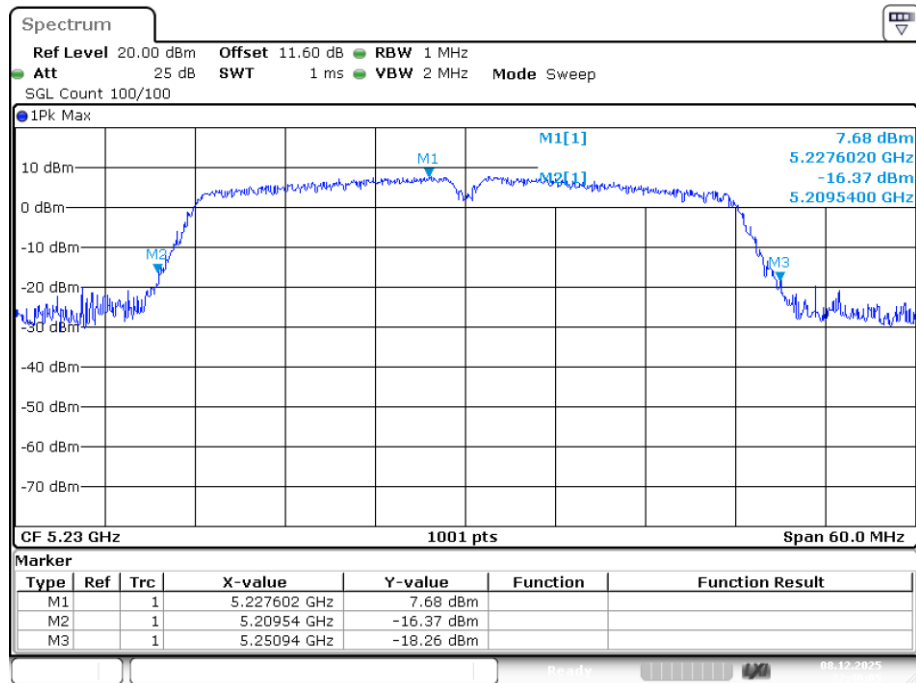
-26dB Bandwidth NVNT ac20 5240MHz Ant1



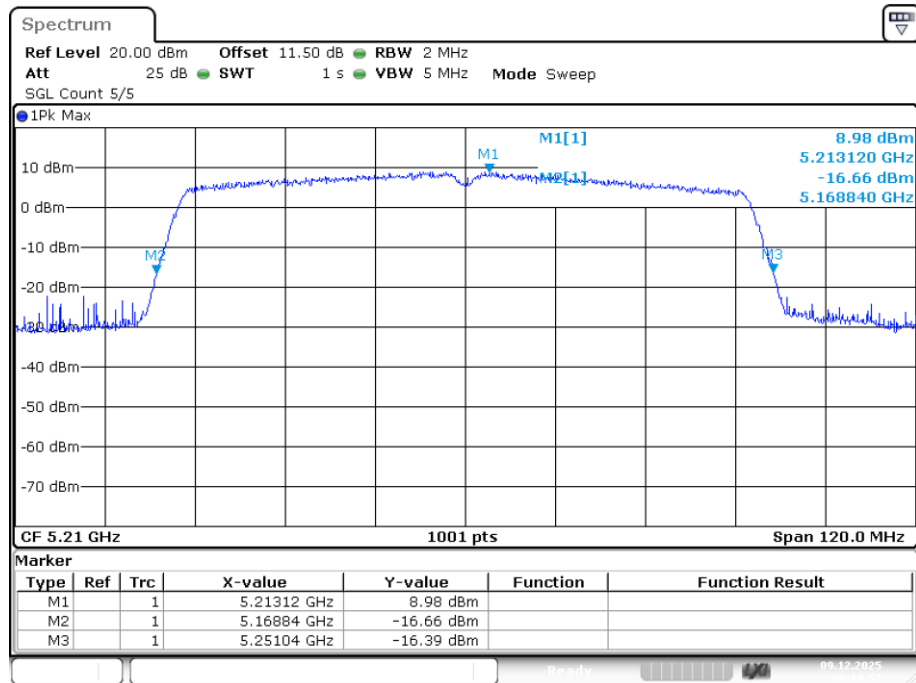
-26dB Bandwidth NVNT ac40 5190MHz Ant1



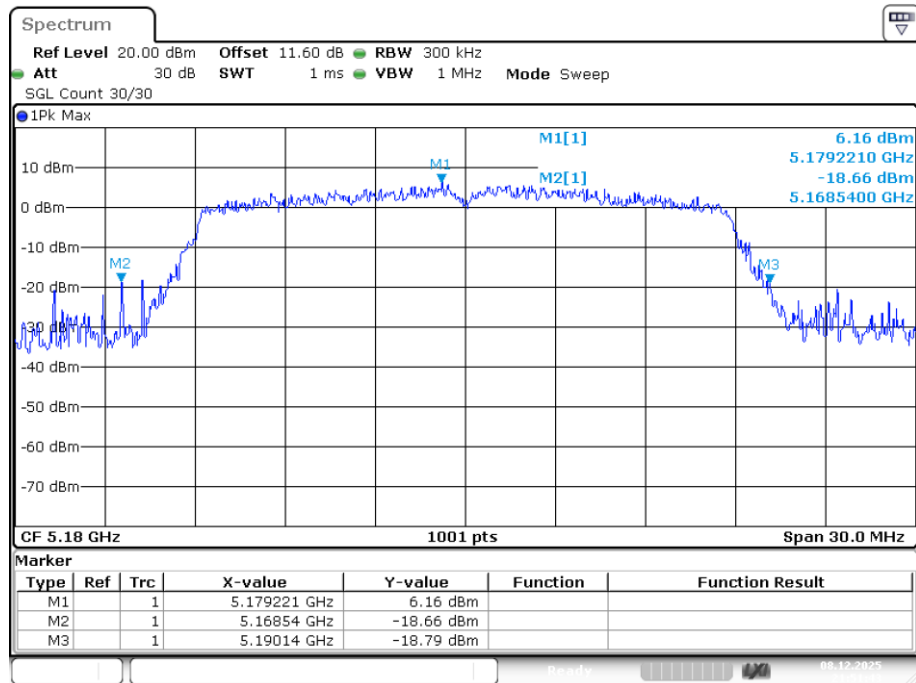
-26dB Bandwidth NVNT ac40 5230MHz Ant1



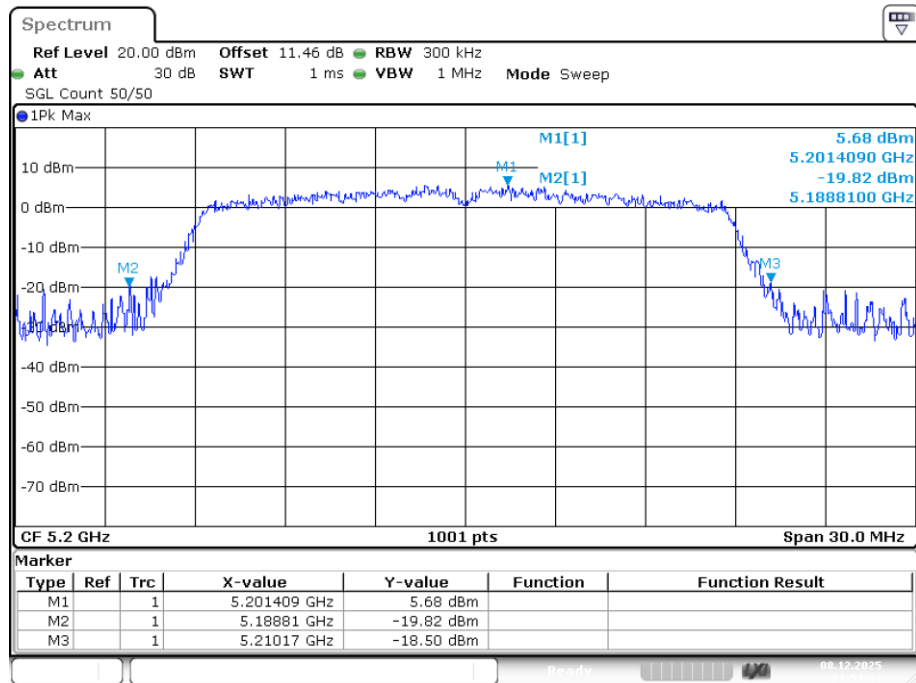
-26dB Bandwidth NVNT ac80 5210MHz Ant1



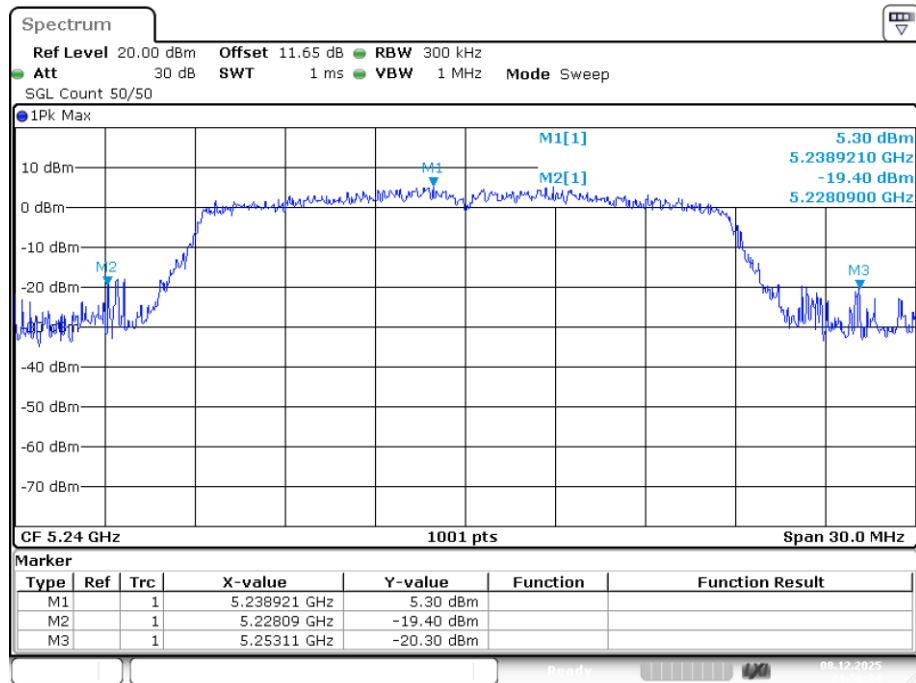
-26dB Bandwidth NVNT n20 5180MHz Ant1



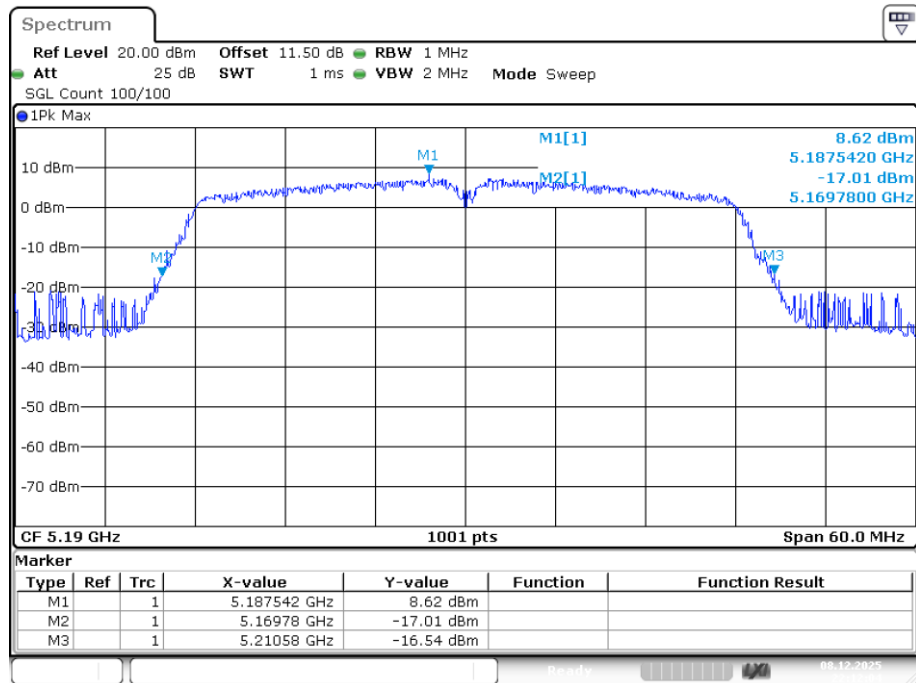
-26dB Bandwidth NVNT n20 5200MHz Ant1



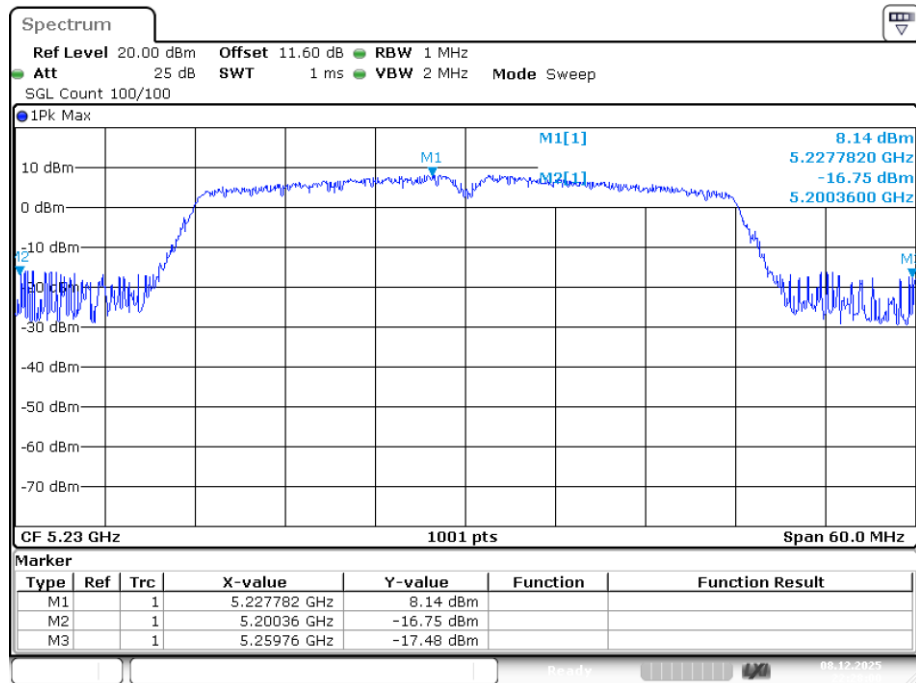
-26dB Bandwidth NVNT n20 5240MHz Ant1



-26dB Bandwidth NVNT n40 5190MHz Ant1



-26dB Bandwidth NVNT n40 5230MHz Ant1

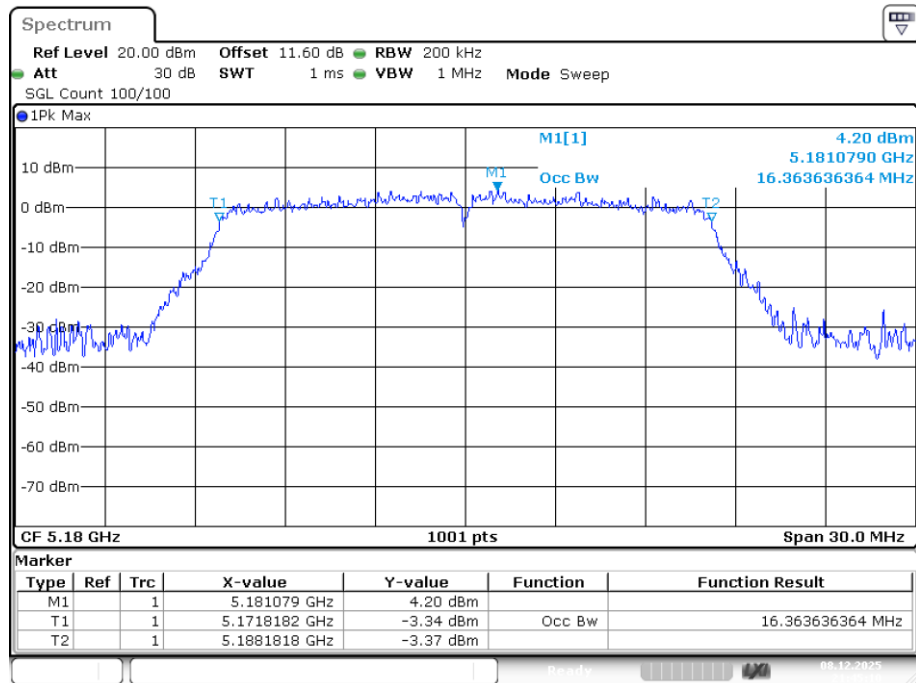


Note: offset=cable factor

Occupied Channel Bandwidth

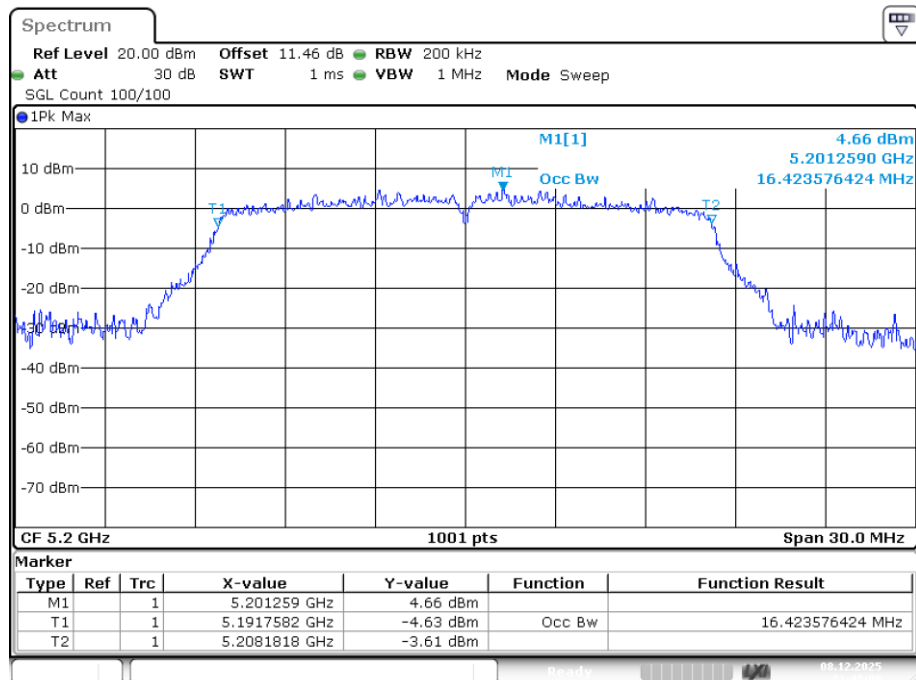
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.364
NVNT	a	5200	Ant1	16.424
NVNT	a	5240	Ant1	16.424
NVNT	ac20	5180	Ant1	17.562
NVNT	ac20	5200	Ant1	17.532
NVNT	ac20	5240	Ant1	17.532
NVNT	ac40	5190	Ant1	36.024
NVNT	ac40	5230	Ant1	36.084
NVNT	ac80	5210	Ant1	75.165
NVNT	n20	5180	Ant1	17.592
NVNT	n20	5200	Ant1	17.532
NVNT	n20	5240	Ant1	17.562
NVNT	n40	5190	Ant1	36.024
NVNT	n40	5230	Ant1	36.324

OBW NVNT a 5180MHz Ant1



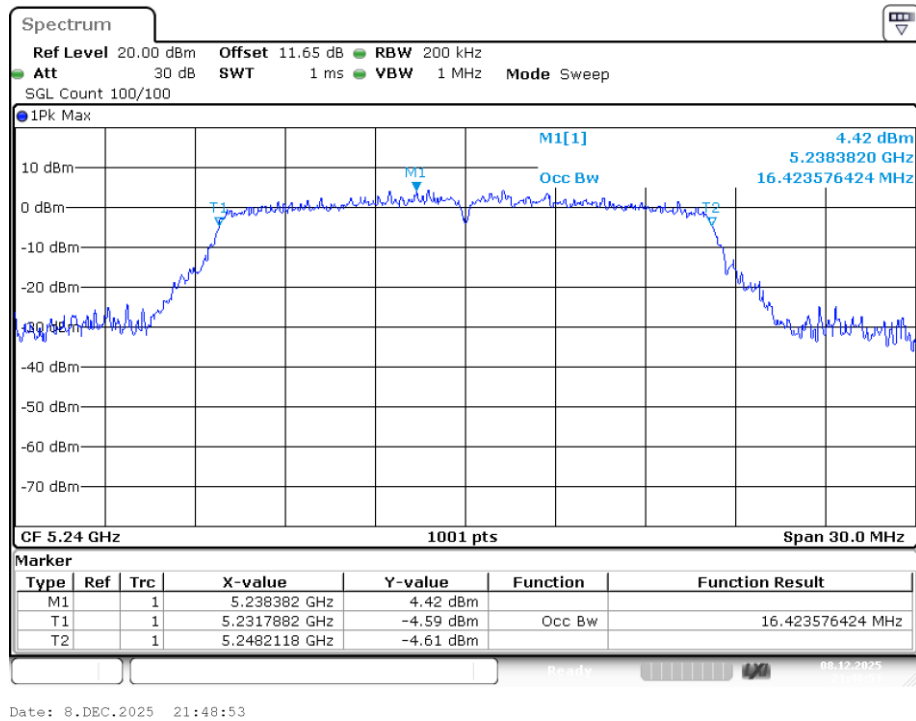
Date: 8.DEC.2025 21:45:10

OBW NVNT a 5200MHz Ant1

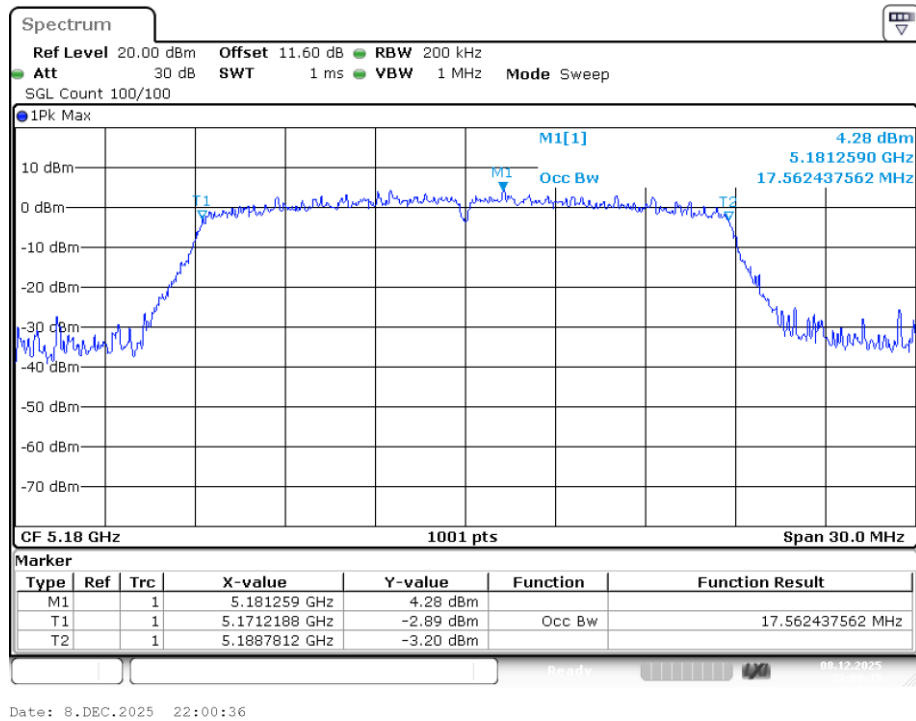


Date: 8.DEC.2025 21:47:08

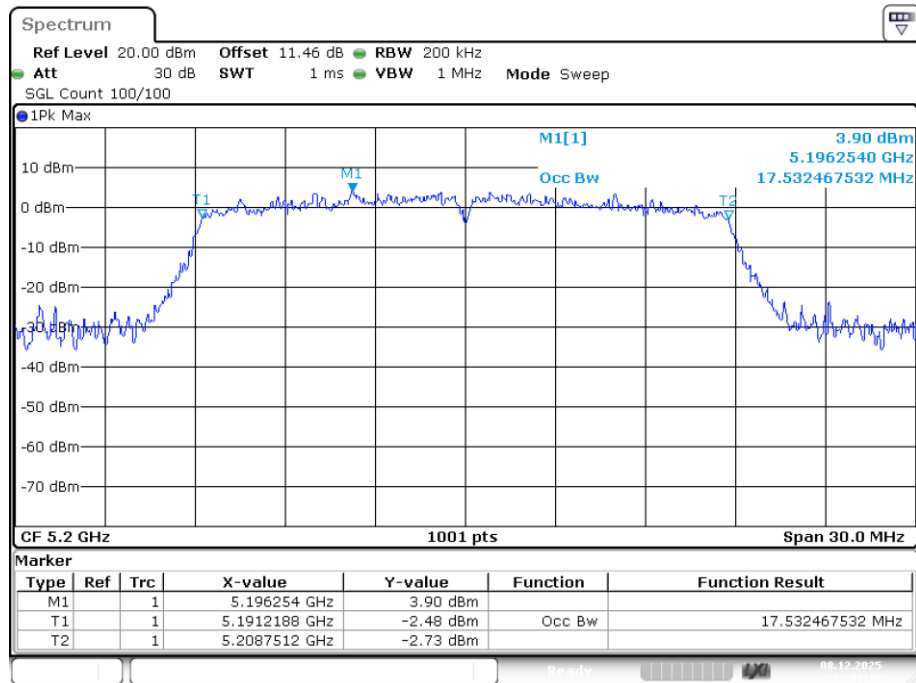
OBW NVNT a 5240MHz Ant1



OBW NVNT ac20 5180MHz Ant1

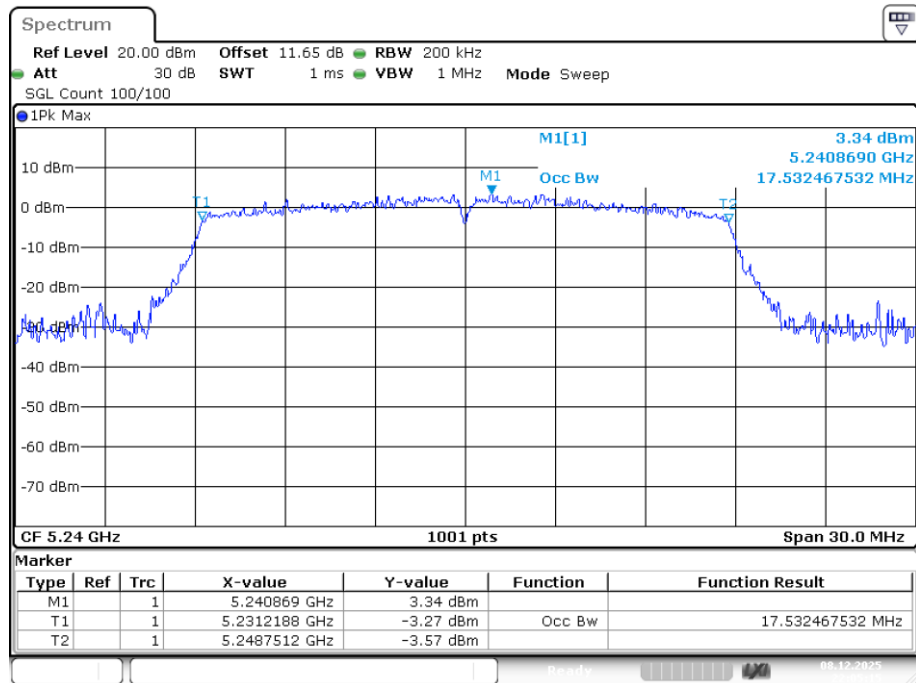


OBW NVNT ac20 5200MHz Ant1



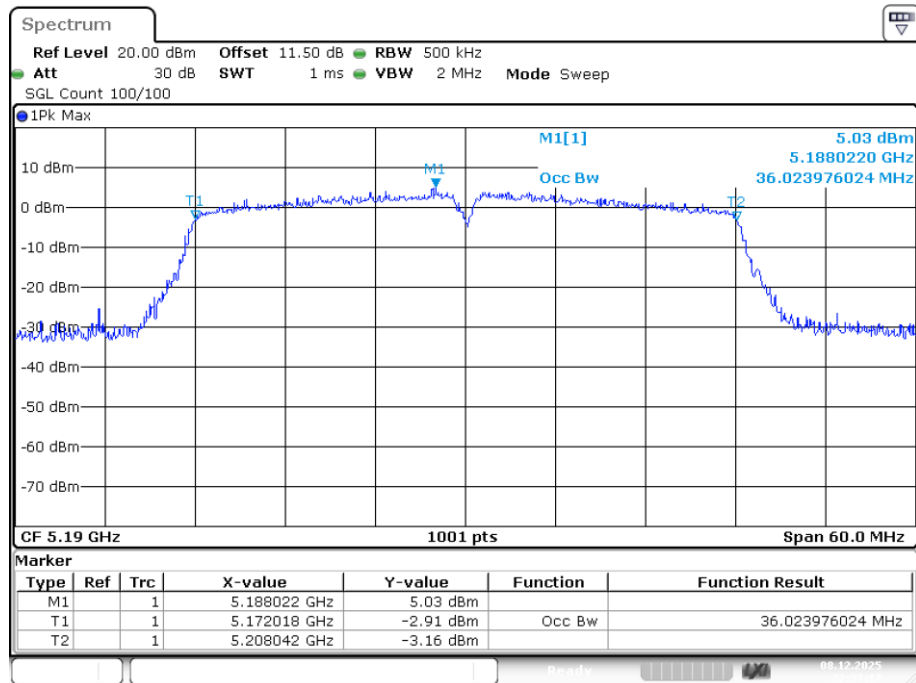
Date: 8.DEC.2025 22:03:10

OBW NVNT ac20 5240MHz Ant1



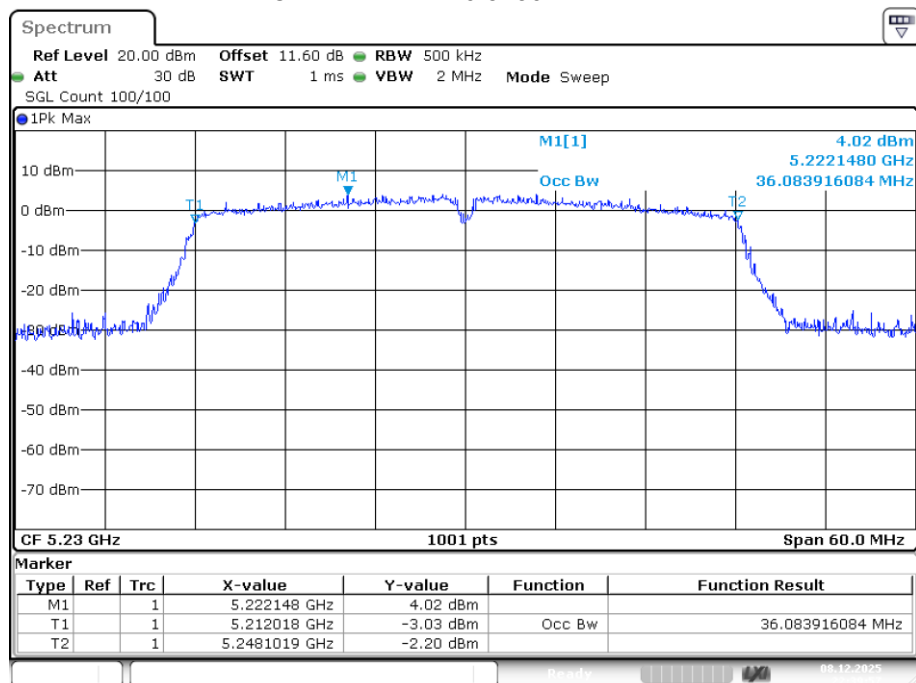
Date: 8.DEC.2025 22:05:15

OBW NVNT ac40 5190MHz Ant1



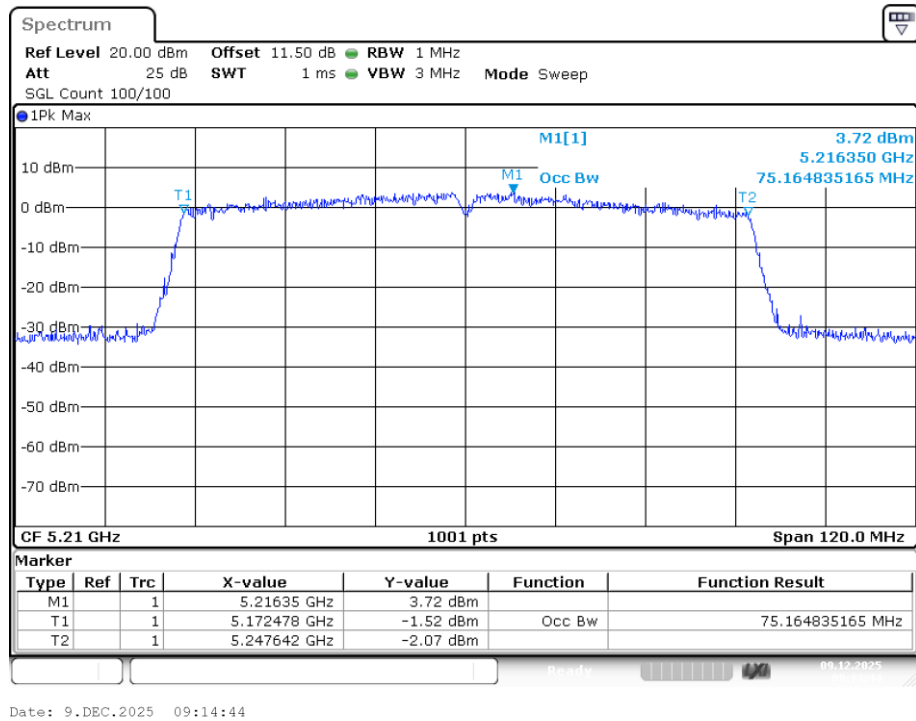
Date: 8.DEC.2025 22:33:17

OBW NVNT ac40 5230MHz Ant1

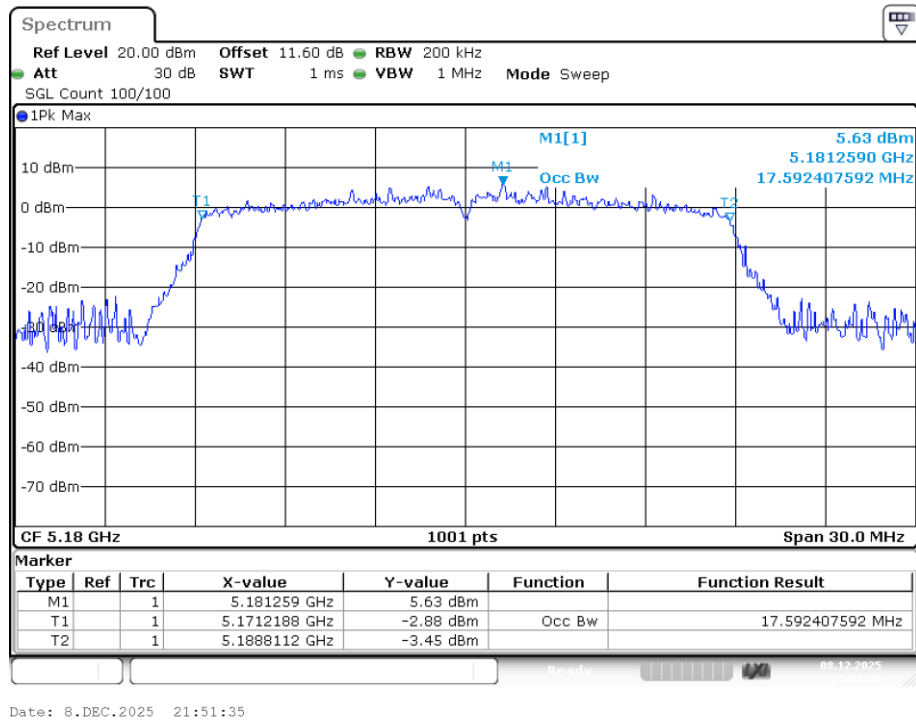


Date: 8.DEC.2025 22:39:57

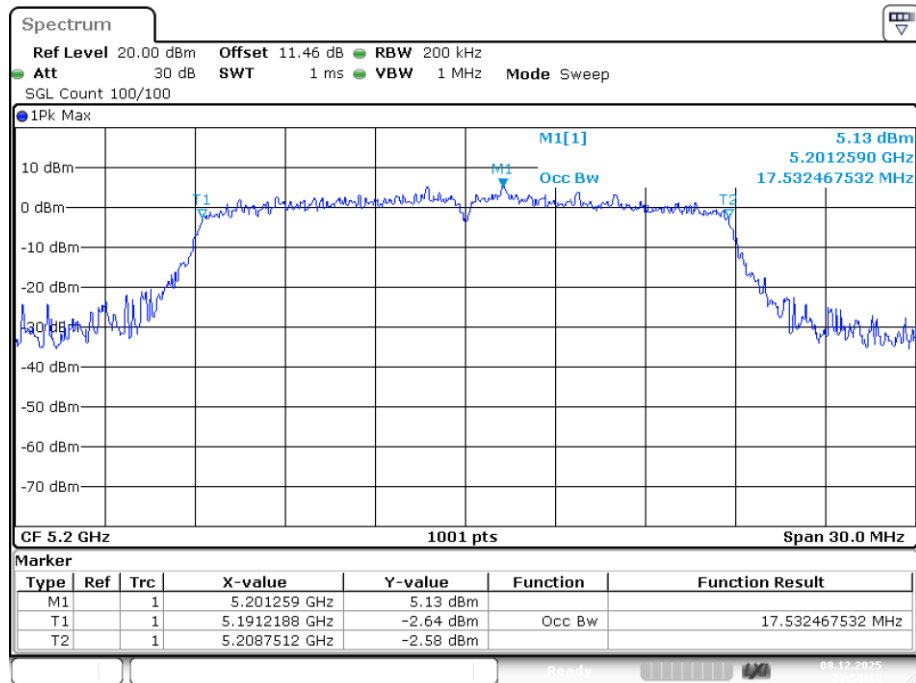
OBW NVNT ac80 5210MHz Ant1



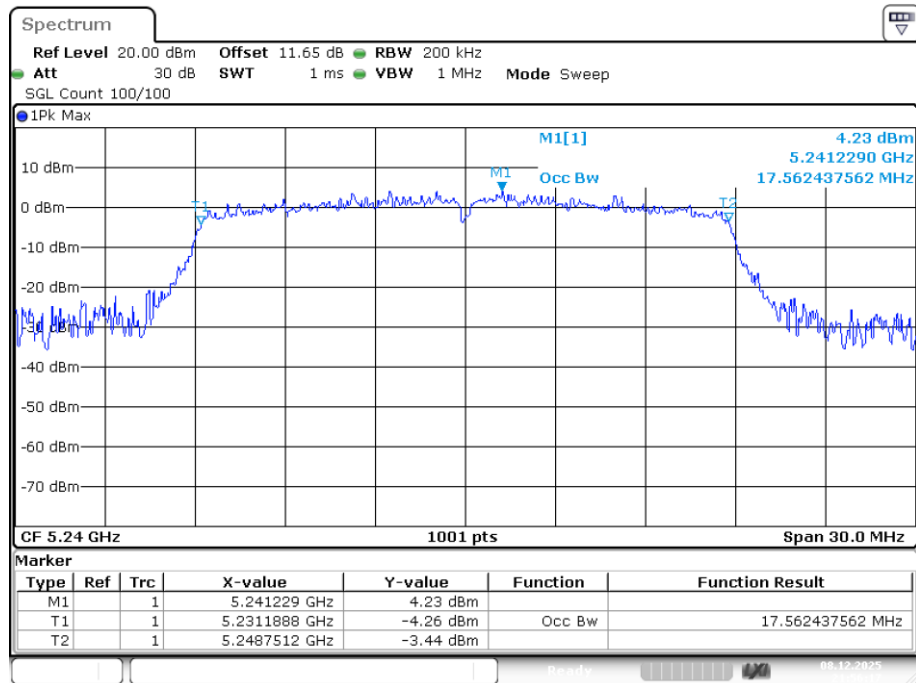
OBW NVNT n20 5180MHz Ant1



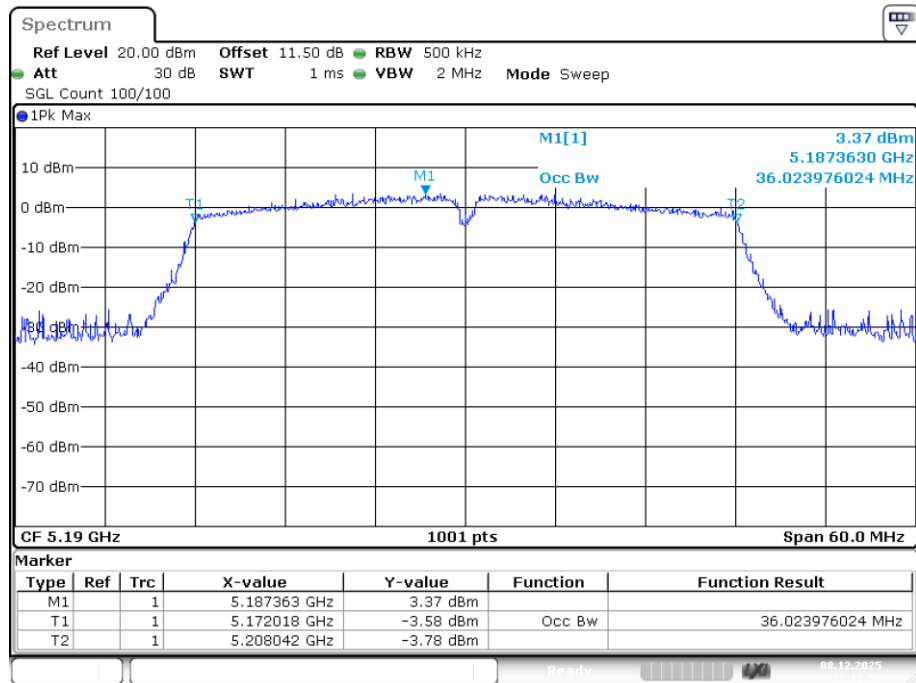
OBW NVNT n20 5200MHz Ant1



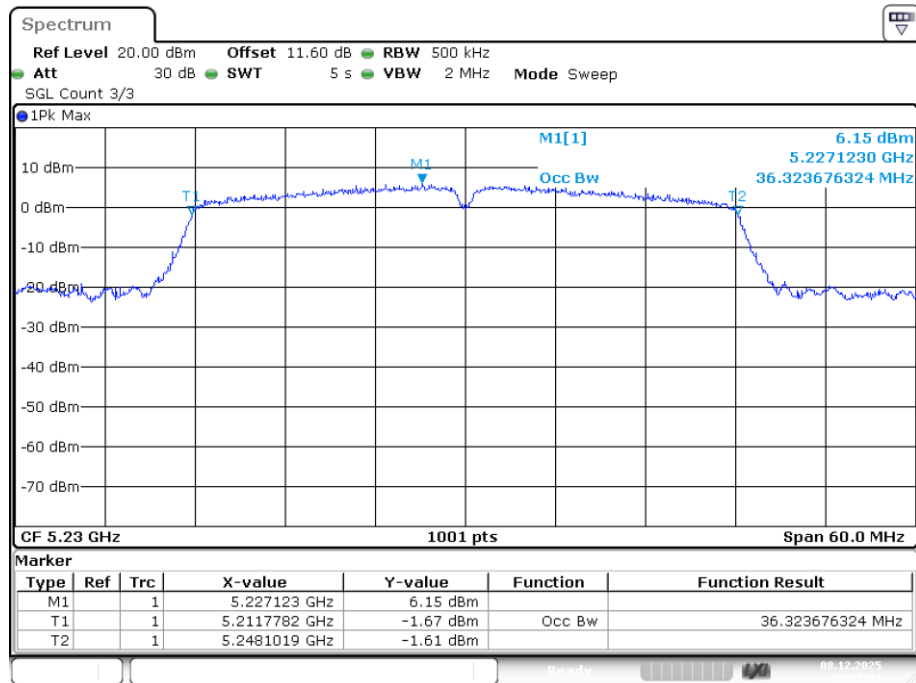
OBW NVNT n20 5240MHz Ant1



OBW NVNT n40 5190MHz Ant1



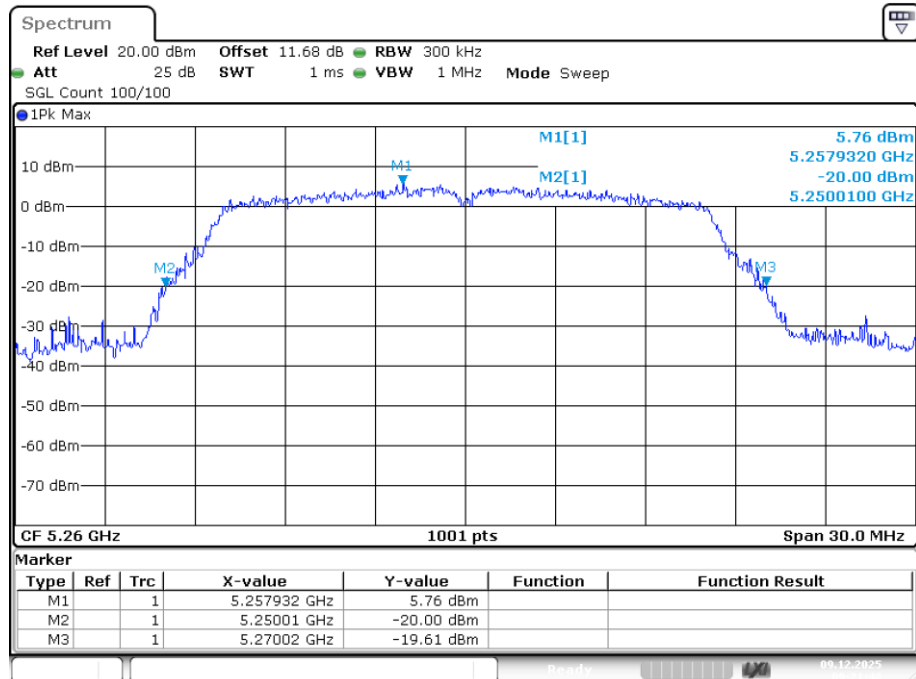
OBW NVNT n40 5230MHz Ant1



Note: offset=cable factor

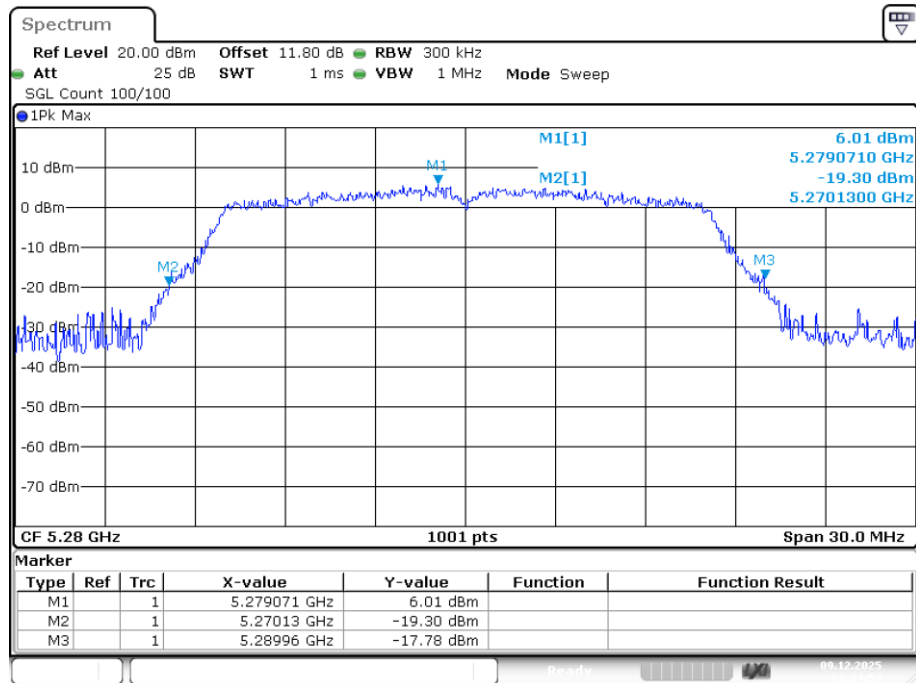
Band 2 (5250-5350 MHz):**-26dB Bandwidth**

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5260	Ant1	20.01
NVNT	a	5280	Ant1	19.83
NVNT	a	5320	Ant1	20.13
NVNT	ac20	5260	Ant1	20.34
NVNT	ac20	5280	Ant1	25.95
NVNT	ac20	5320	Ant1	22.02
NVNT	ac40	5270	Ant1	42.72
NVNT	ac40	5310	Ant1	41.04
NVNT	ac80	5290	Ant1	81.84
NVNT	n20	5260	Ant1	22.26
NVNT	n20	5280	Ant1	22.17
NVNT	n20	5320	Ant1	22.95
NVNT	n40	5270	Ant1	59.46
NVNT	n40	5310	Ant1	50.34

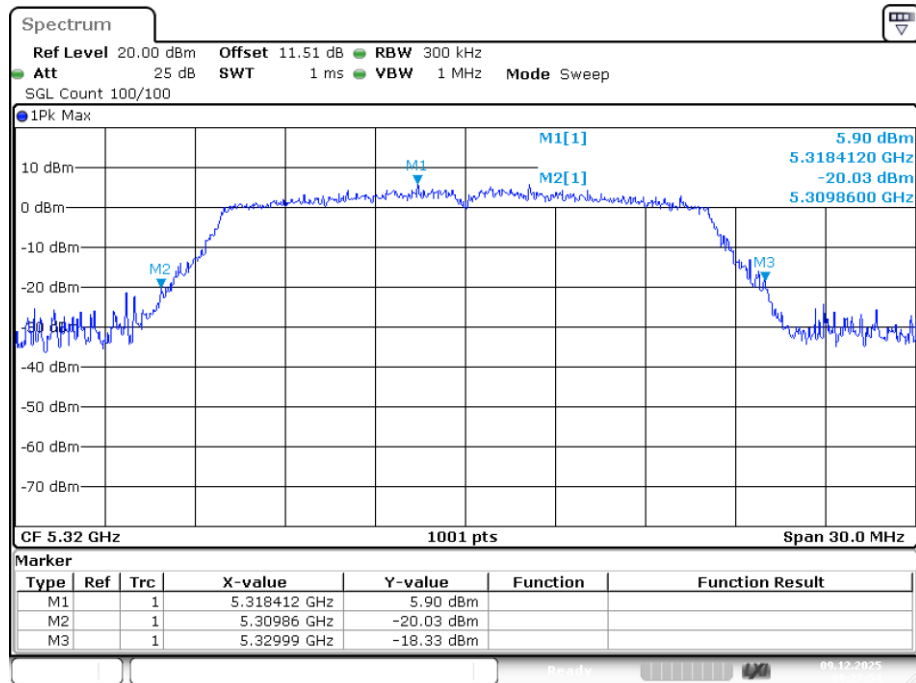
-26dB Bandwidth NVNT a 5260MHz Ant1

Date: 9.DEC.2025 09:21:48

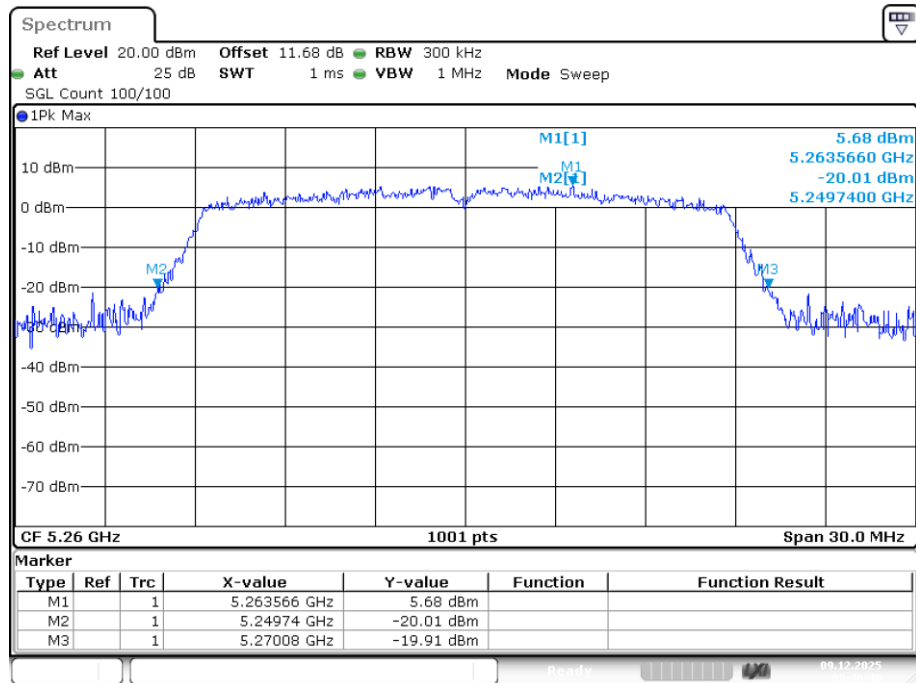
-26dB Bandwidth NVNT a 5280MHz Ant1



-26dB Bandwidth NVNT a 5320MHz Ant1

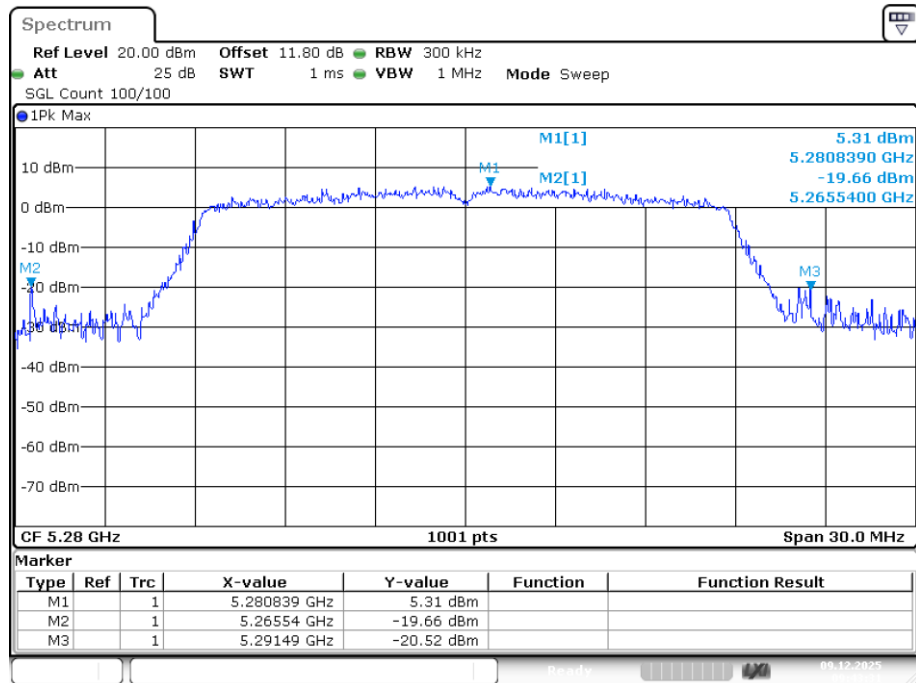


-26dB Bandwidth NVNT ac20 5260MHz Ant1



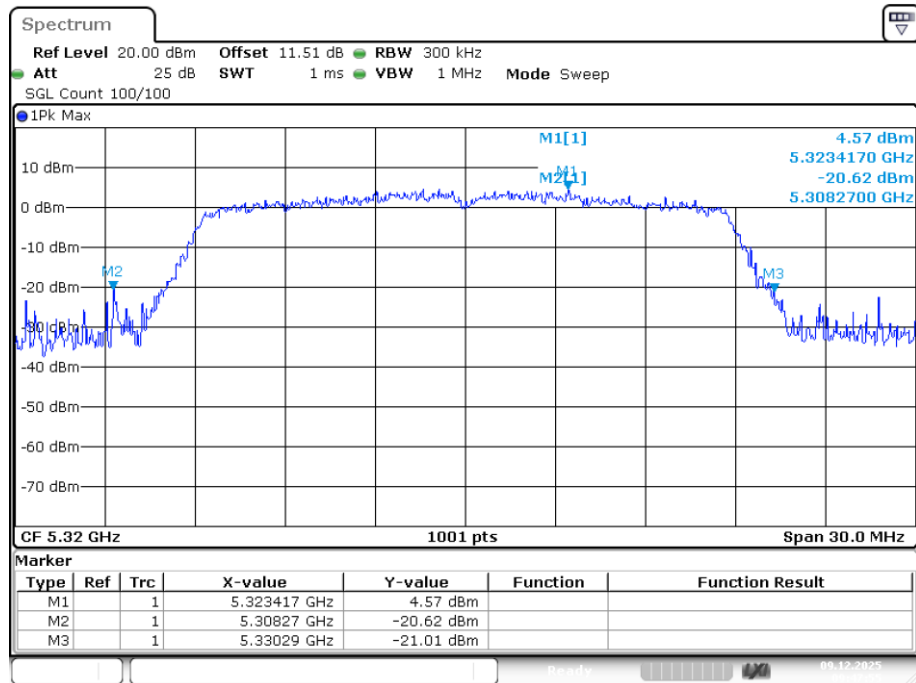
Date: 9.DEC.2025 09:40:40

-26dB Bandwidth NVNT ac20 5280MHz Ant1

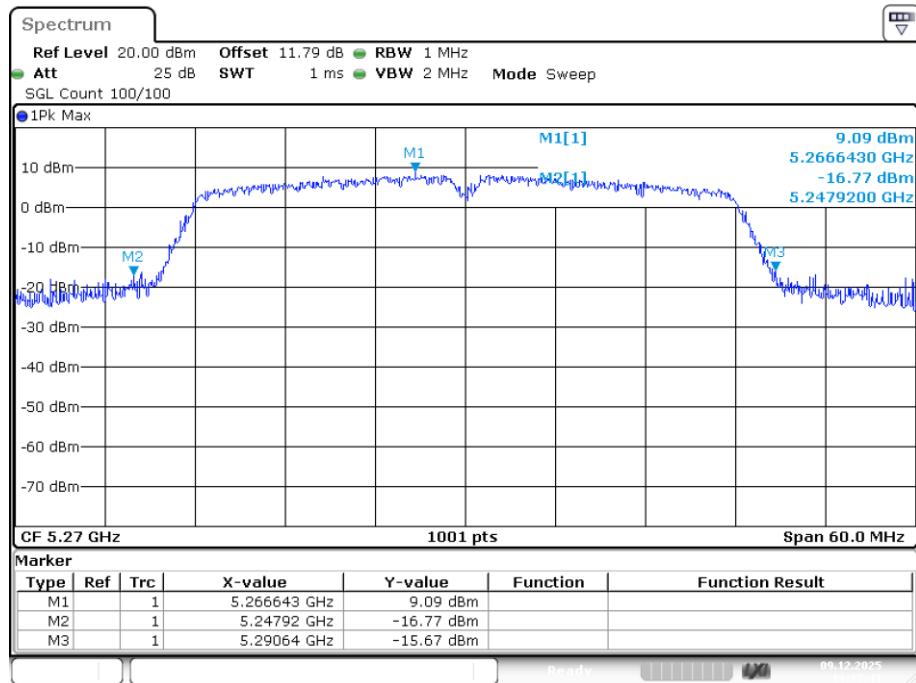


Date: 9.DEC.2025 09:43:30

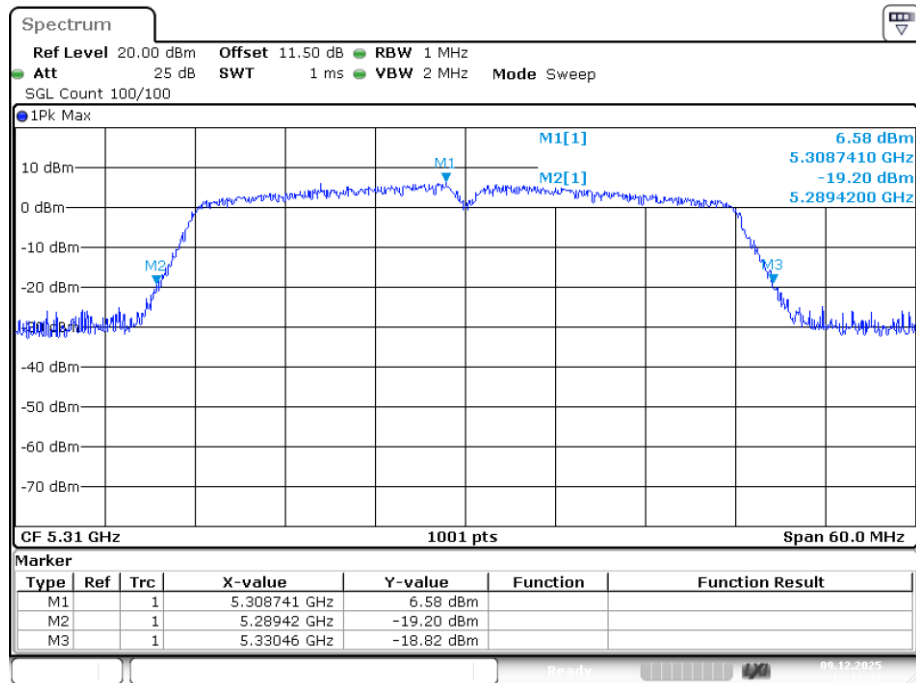
-26dB Bandwidth NVNT ac20 5320MHz Ant1



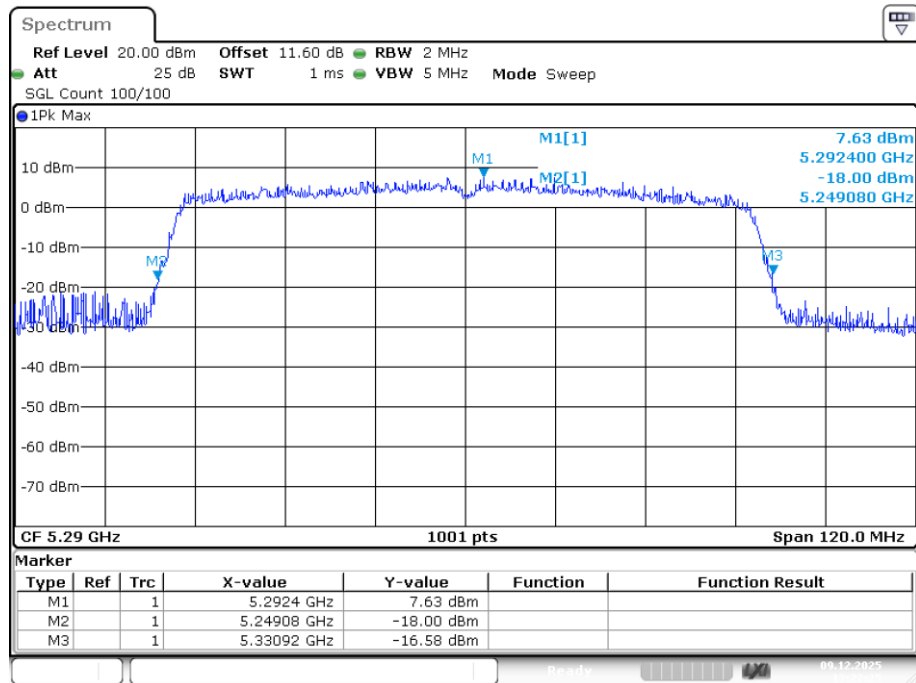
-26dB Bandwidth NVNT ac40 5270MHz Ant1



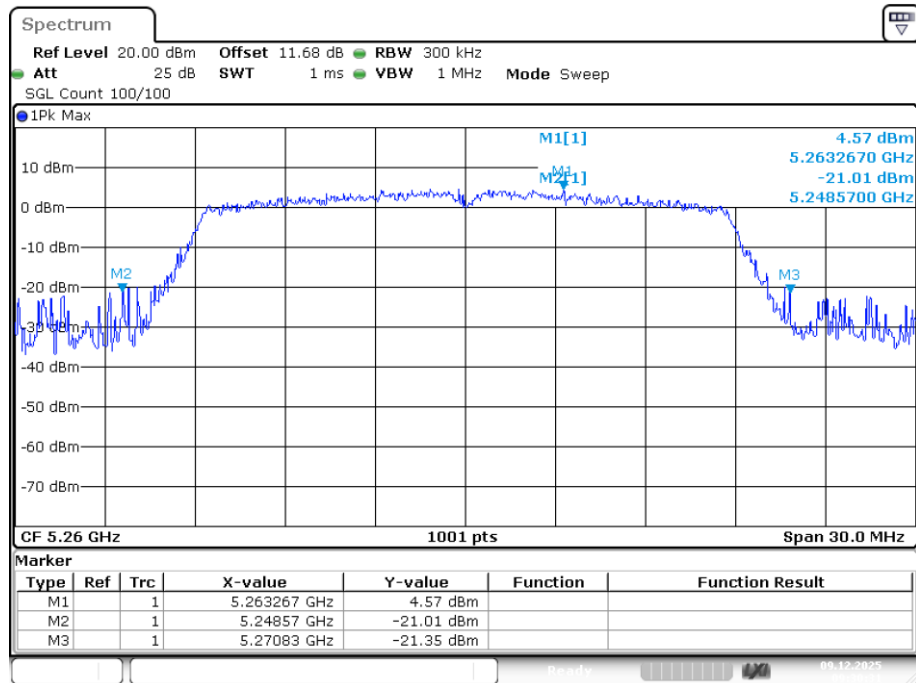
-26dB Bandwidth NVNT ac40 5310MHz Ant1



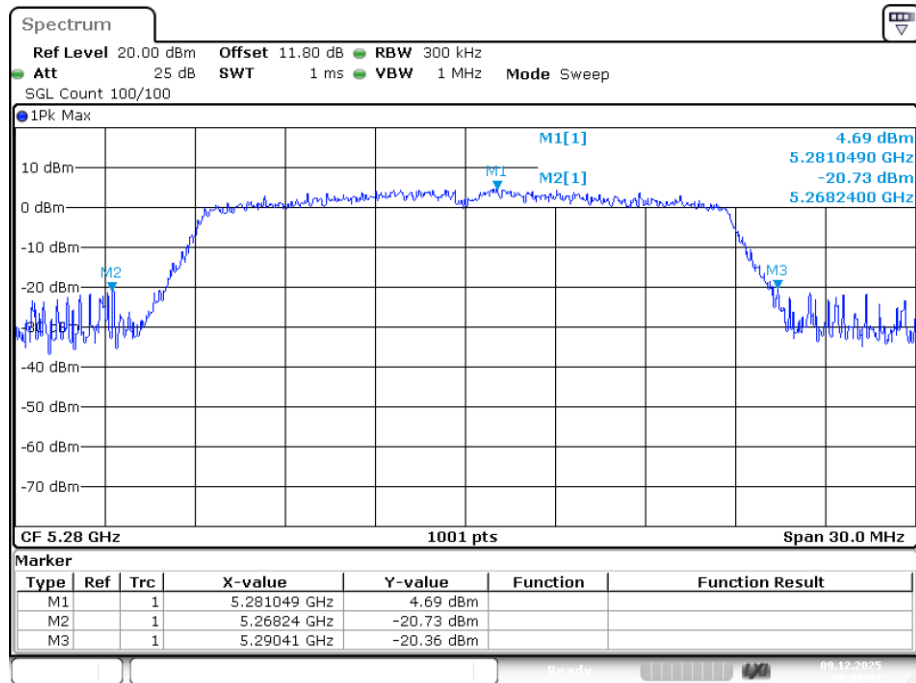
-26dB Bandwidth NVNT ac80 5290MHz Ant1



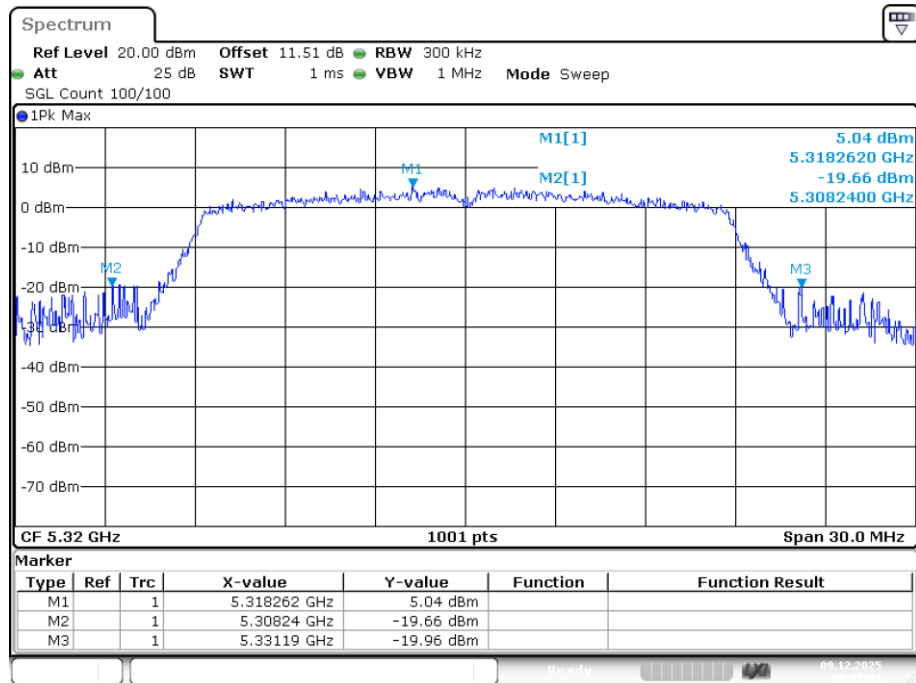
-26dB Bandwidth NVNT n20 5260MHz Ant1



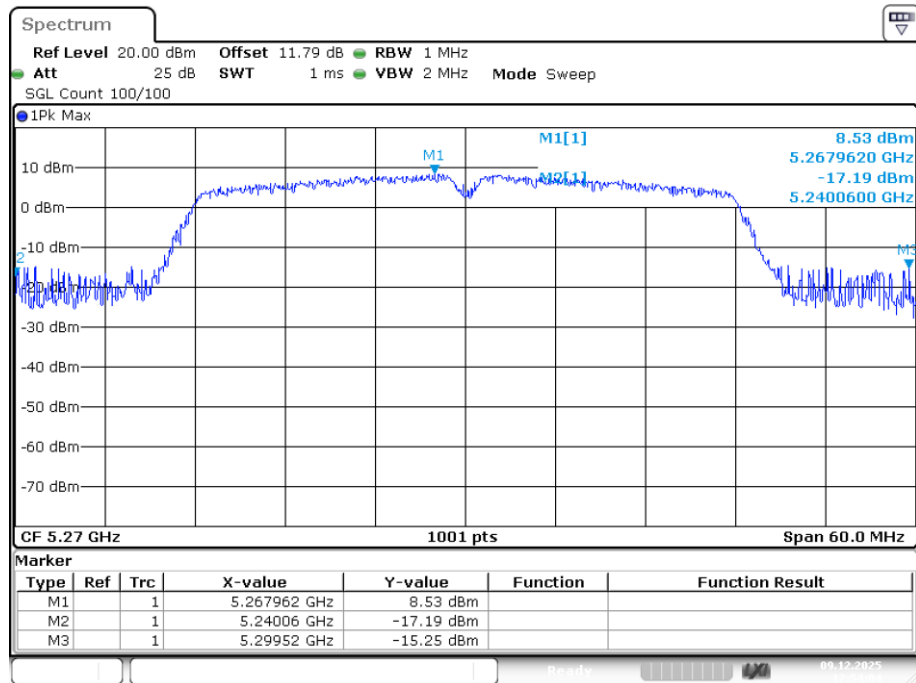
-26dB Bandwidth NVNT n20 5280MHz Ant1



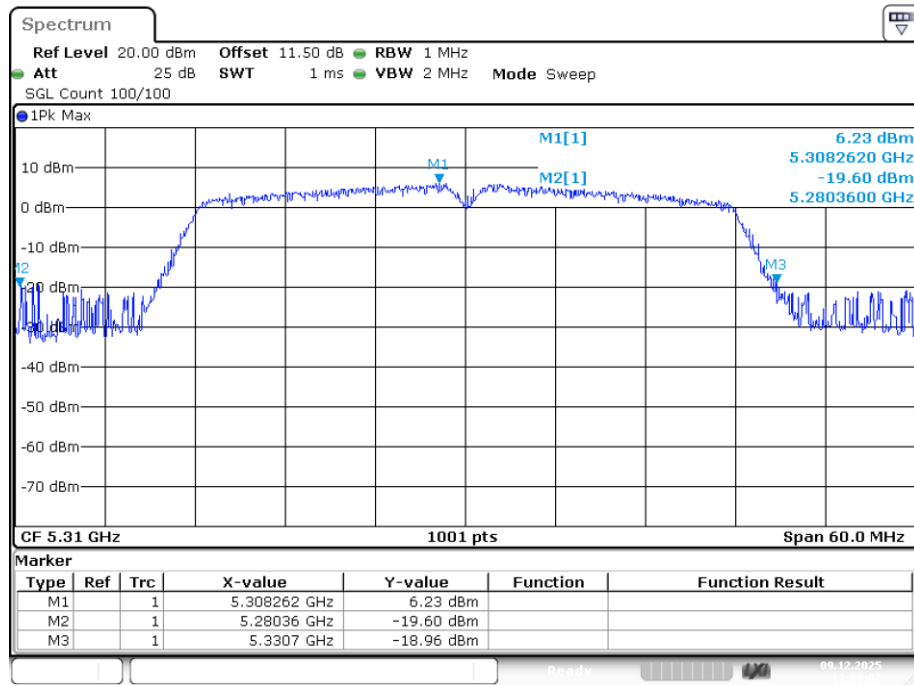
-26dB Bandwidth NVNT n20 5320MHz Ant1



-26dB Bandwidth NVNT n40 5270MHz Ant1



-26dB Bandwidth NVNT n40 5310MHz Ant1



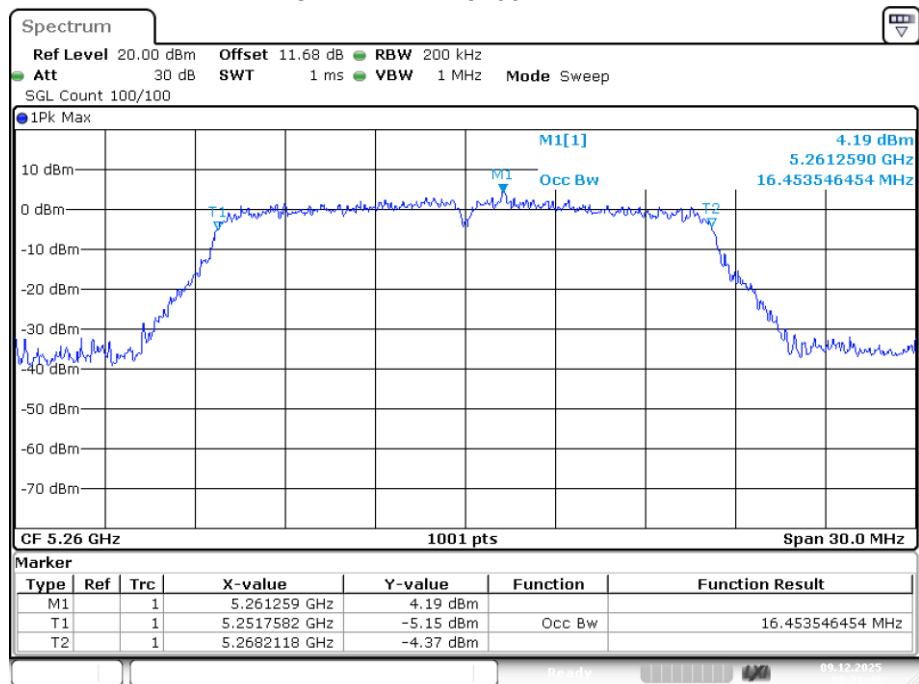
Date: 9.DEC.2025 13:09:01

Note: offset=cable factor

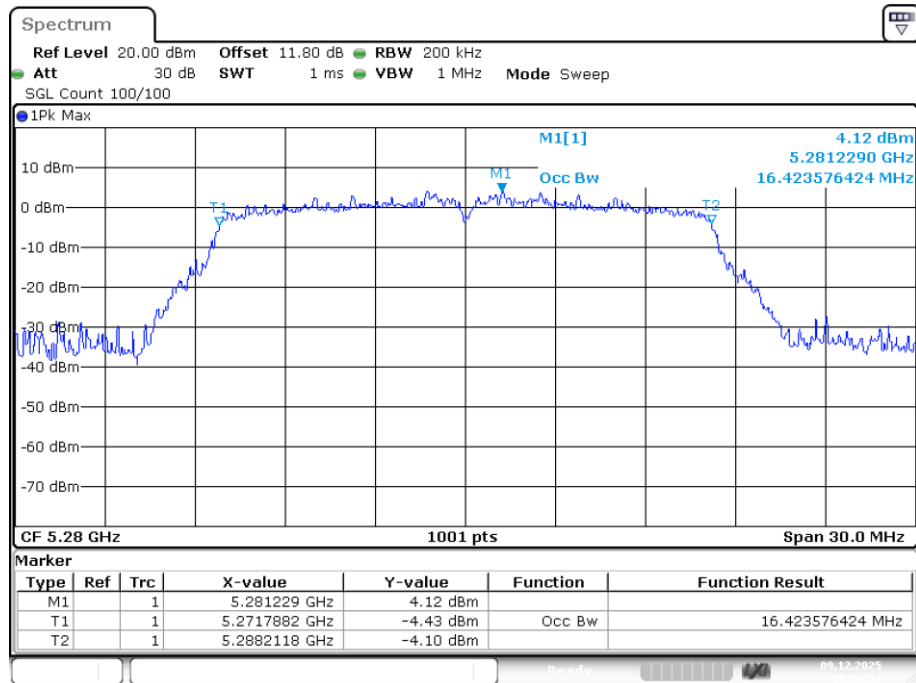
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5260	Ant1	16.454
NVNT	a	5280	Ant1	16.424
NVNT	a	5320	Ant1	16.394
NVNT	ac20	5260	Ant1	17.562
NVNT	ac20	5280	Ant1	17.592
NVNT	ac20	5320	Ant1	17.562
NVNT	ac40	5270	Ant1	36.144
NVNT	ac40	5310	Ant1	36.084
NVNT	ac80	5290	Ant1	75.285
NVNT	n20	5260	Ant1	17.532
NVNT	n20	5280	Ant1	17.532
NVNT	n20	5320	Ant1	17.592
NVNT	n40	5270	Ant1	36.144
NVNT	n40	5310	Ant1	36.084

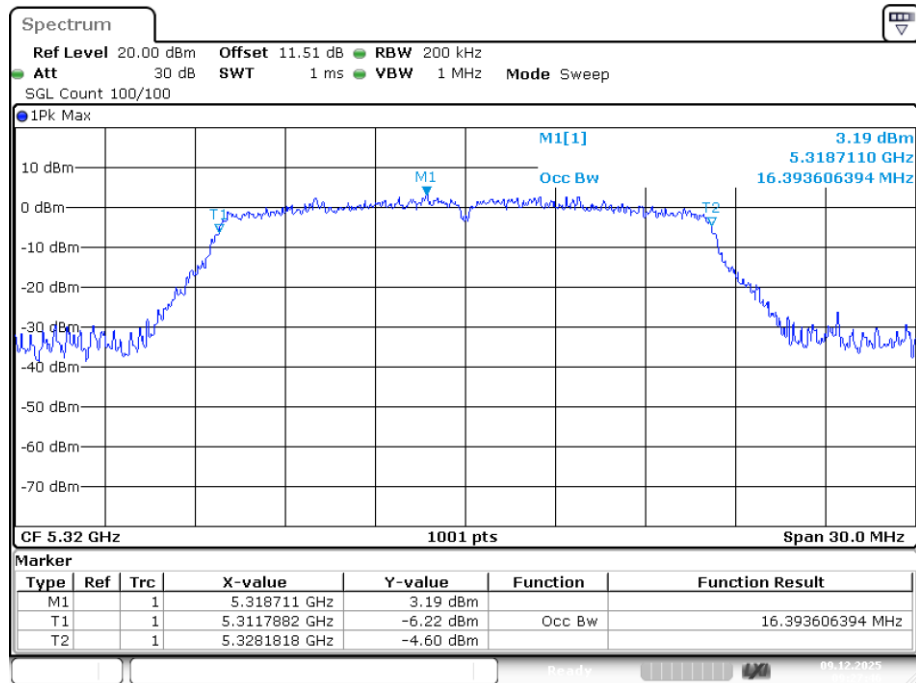
OBW NVNT a 5260MHz Ant1



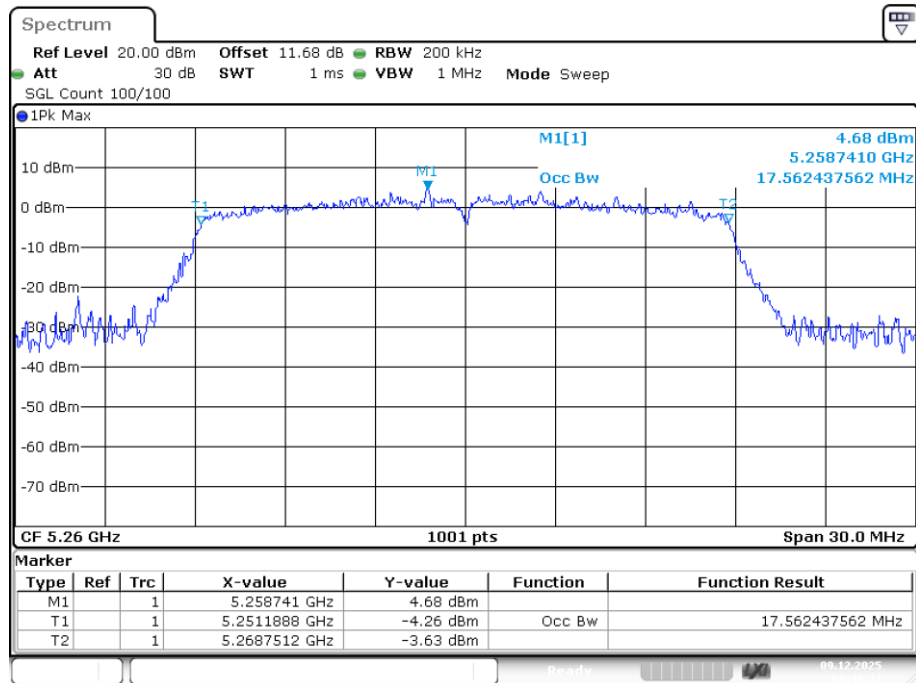
OBW NVNT a 5280MHz Ant1



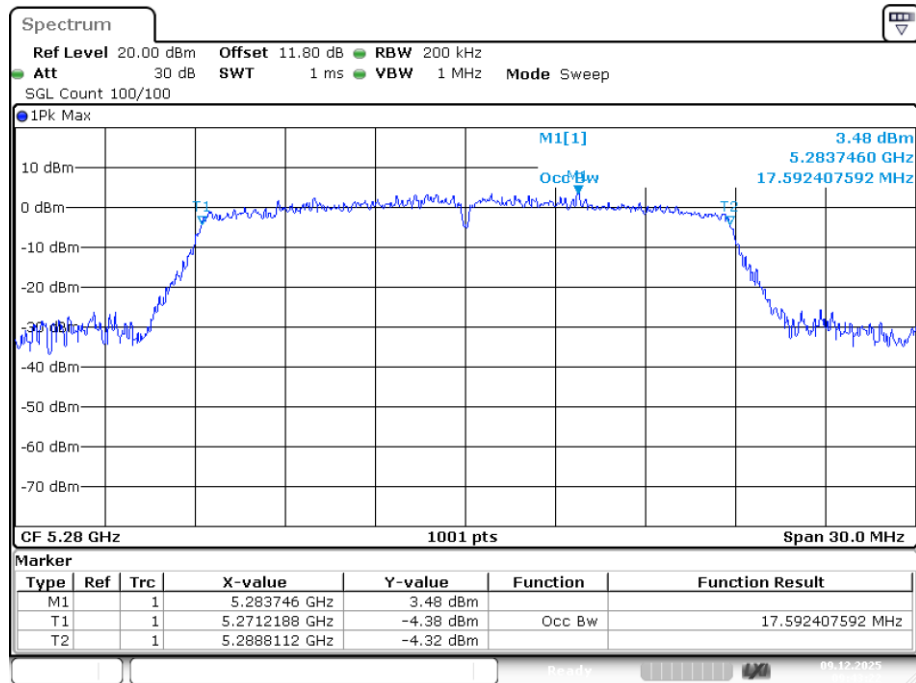
OBW NVNT a 5320MHz Ant1



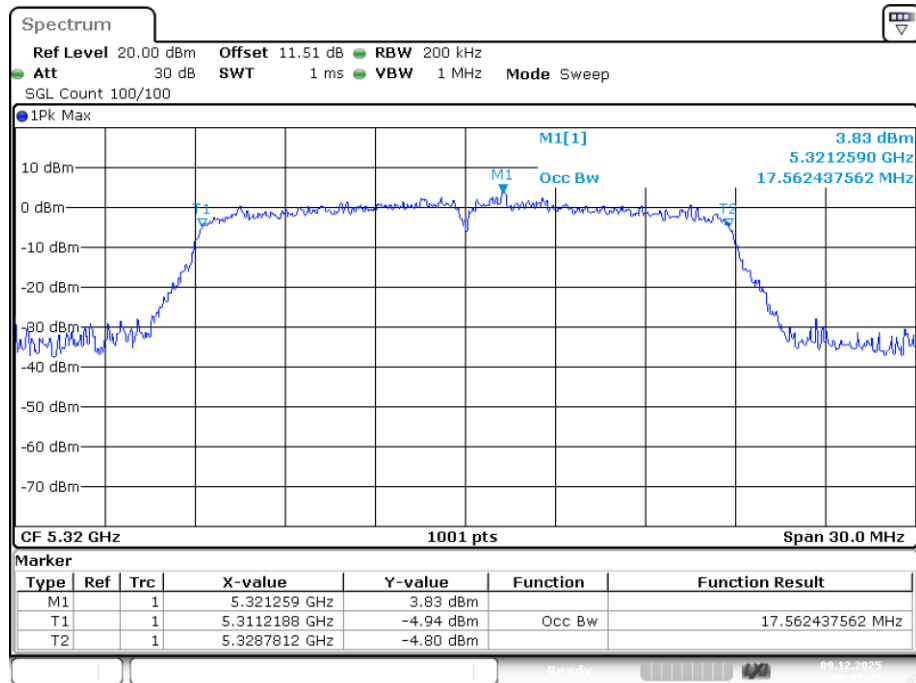
OBW NVNT ac20 5260MHz Ant1



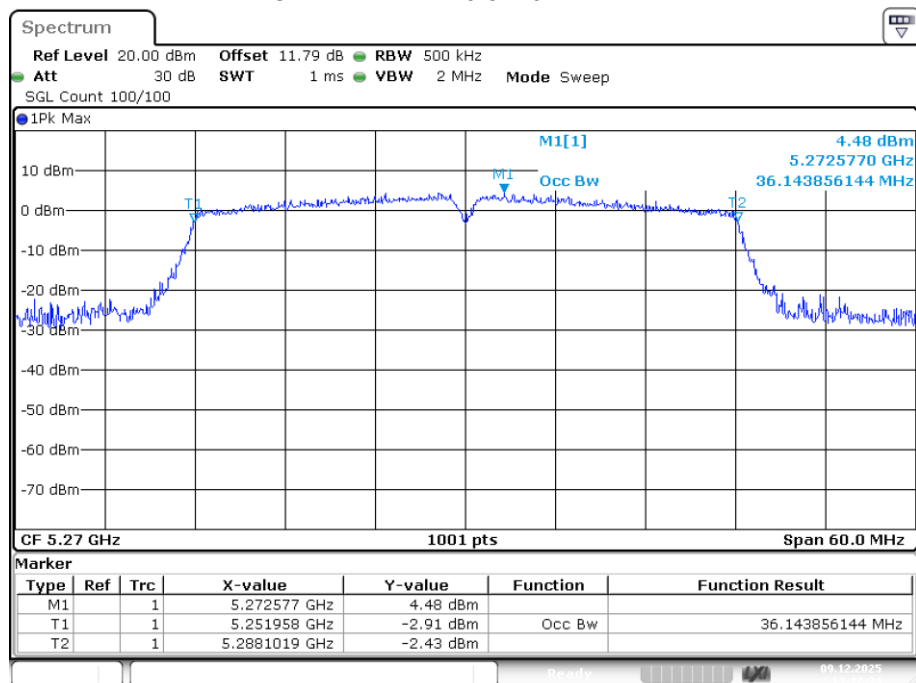
OBW NVNT ac20 5280MHz Ant1



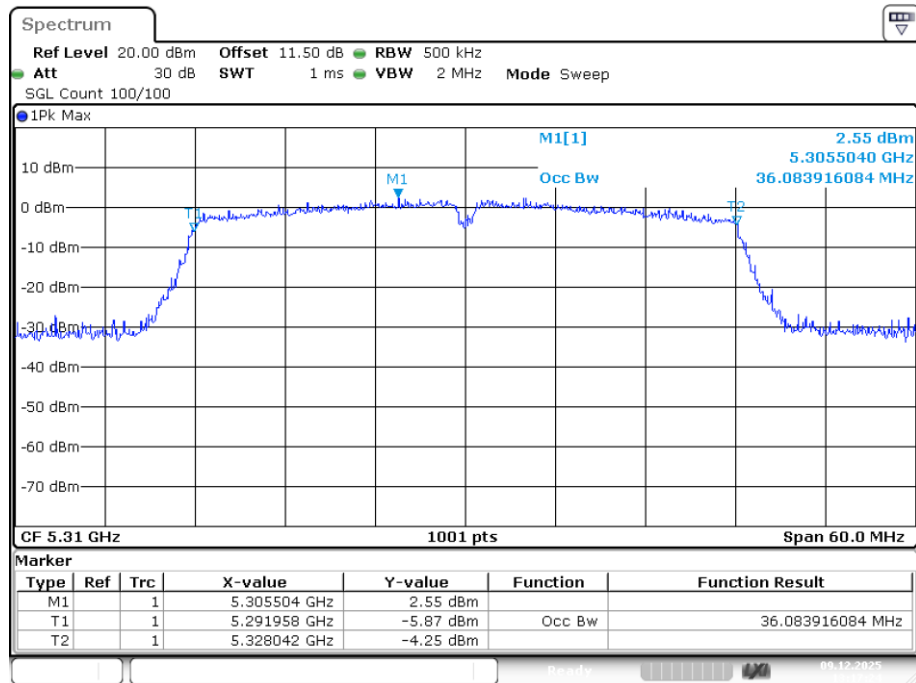
OBW NVNT ac20 5320MHz Ant1



OBW NVNT ac40 5270MHz Ant1

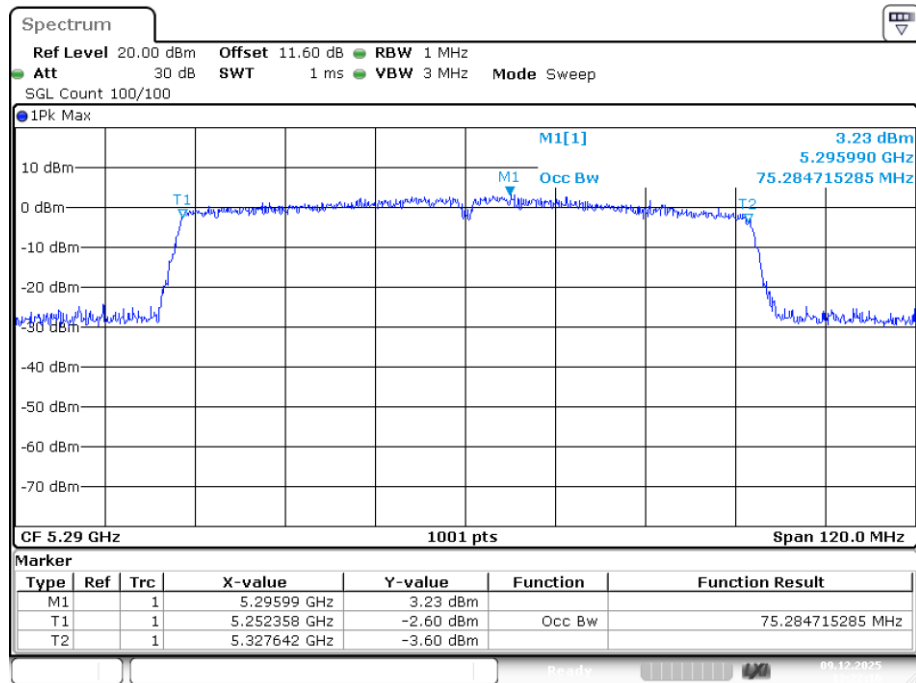


OBW NVNT ac40 5310MHz Ant1



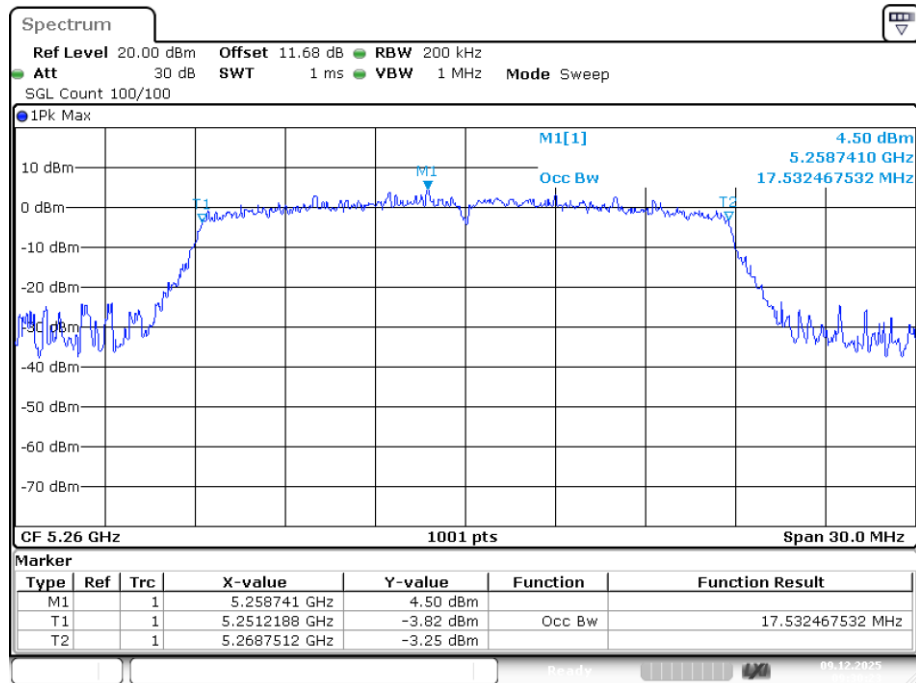
Date: 9.DEC.2025 13:17:24

OBW NVNT ac80 5290MHz Ant1

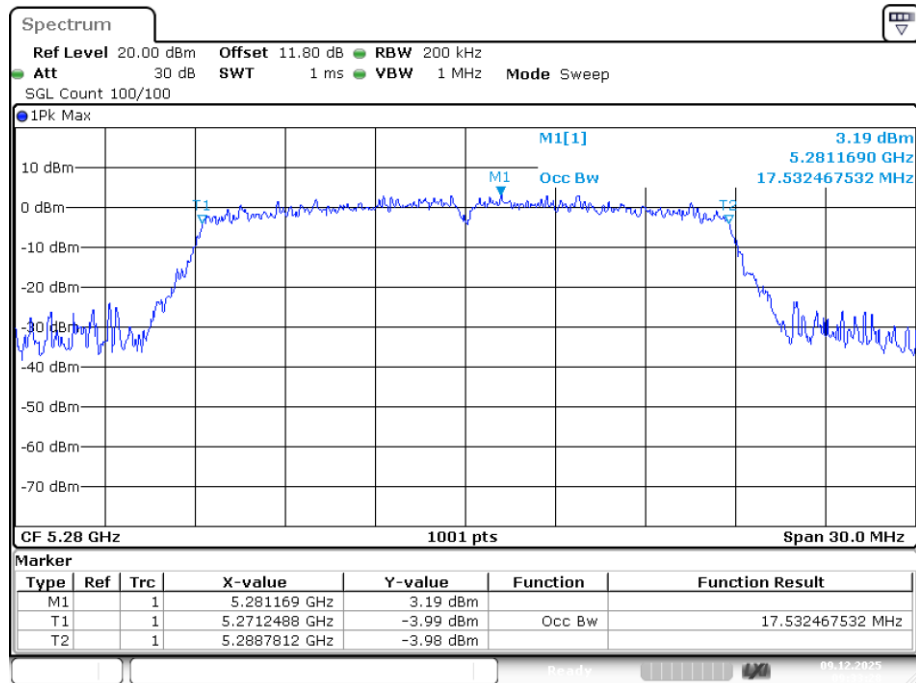


Date: 9.DEC.2025 13:22:16

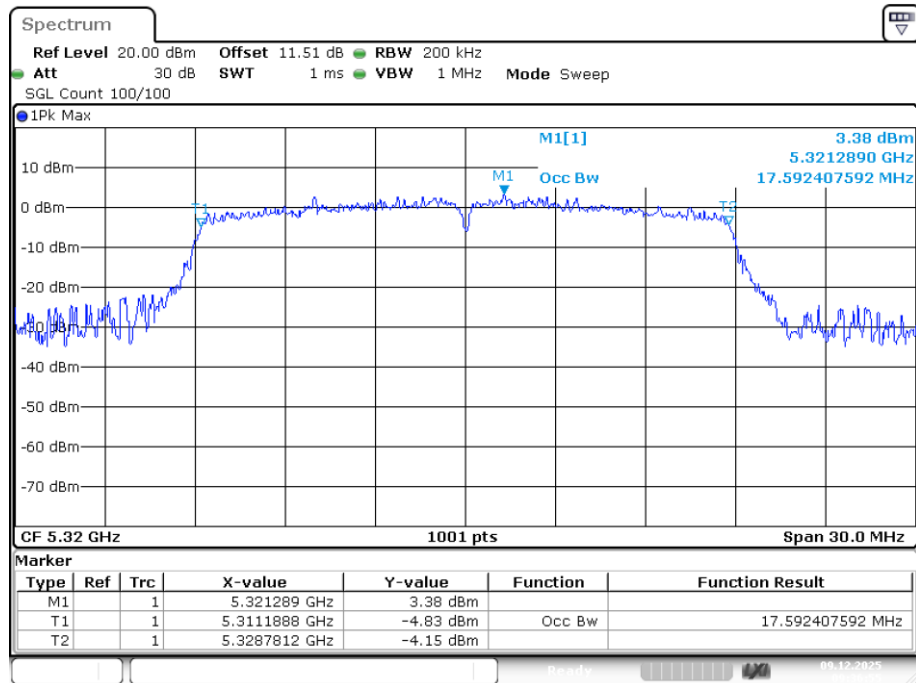
OBW NVNT n20 5260MHz Ant1



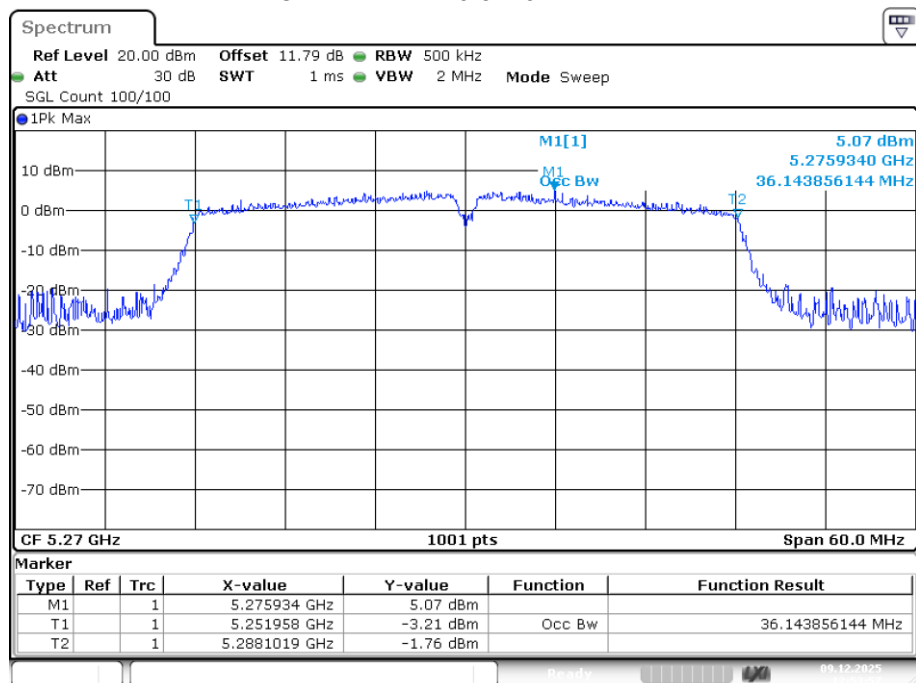
OBW NVNT n20 5280MHz Ant1



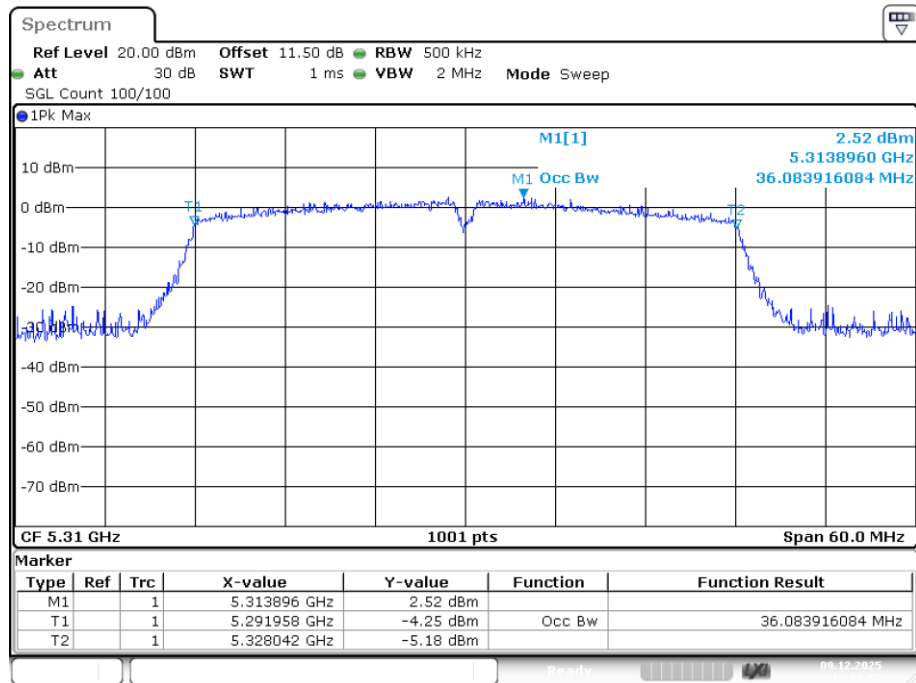
OBW NVNT n20 5320MHz Ant1



OBW NVNT n40 5270MHz Ant1



OBW NVNT n40 5310MHz Ant1

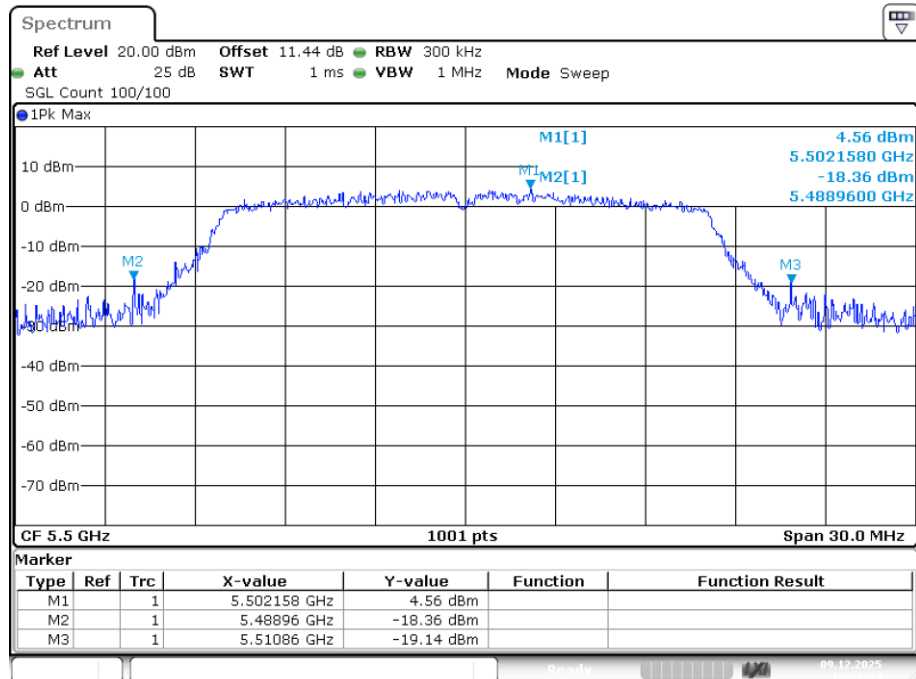


Date: 9.DEC.2025 13:08:54

Note: offset=cable factor

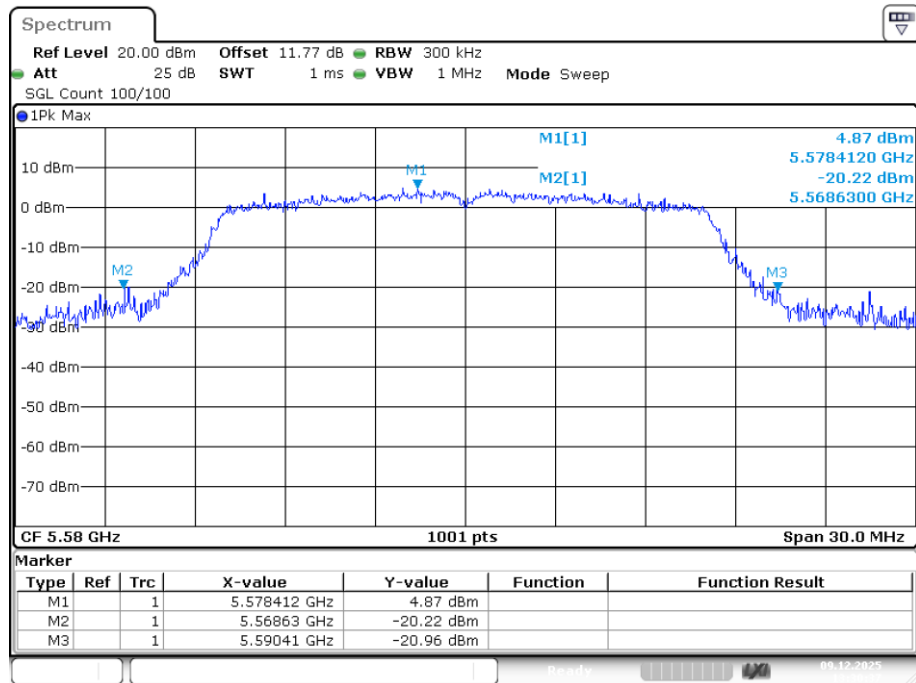
Band 3 (5470-5725 MHz):**-26dB Bandwidth**

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5500	Ant1	21.9
NVNT	a	5580	Ant1	21.78
NVNT	a	5700	Ant1	23.46
NVNT	ac20	5500	Ant1	27.63
NVNT	ac20	5580	Ant1	23.49
NVNT	ac20	5700	Ant1	20.49
NVNT	ac40	5510	Ant1	40.92
NVNT	ac40	5670	Ant1	41.4
NVNT	ac80	5530	Ant1	81.12
NVNT	n20	5500	Ant1	25.74
NVNT	n20	5580	Ant1	19.8
NVNT	n20	5700	Ant1	25.77
NVNT	n40	5510	Ant1	58.92
NVNT	n40	5670	Ant1	51.84

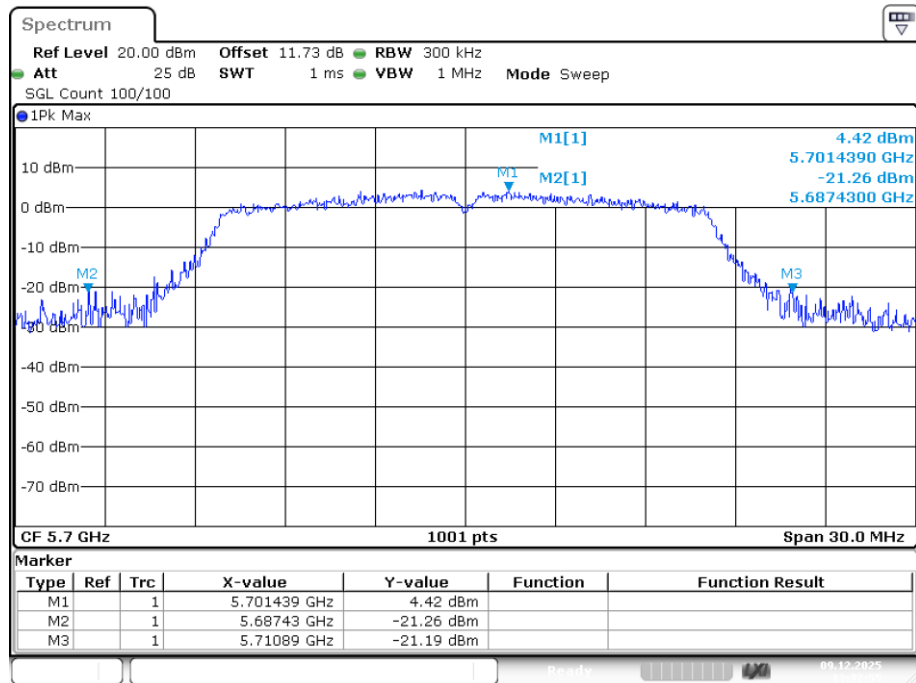
-26dB Bandwidth NVNT a 5500MHz Ant1

Date: 9.DEC.2025 13:28:34

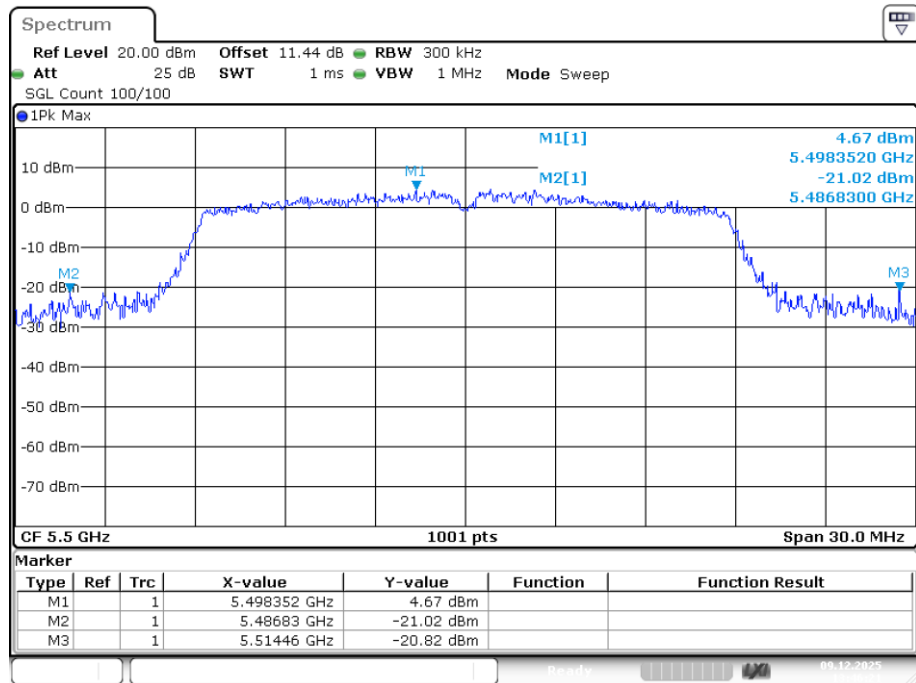
-26dB Bandwidth NVNT a 5580MHz Ant1



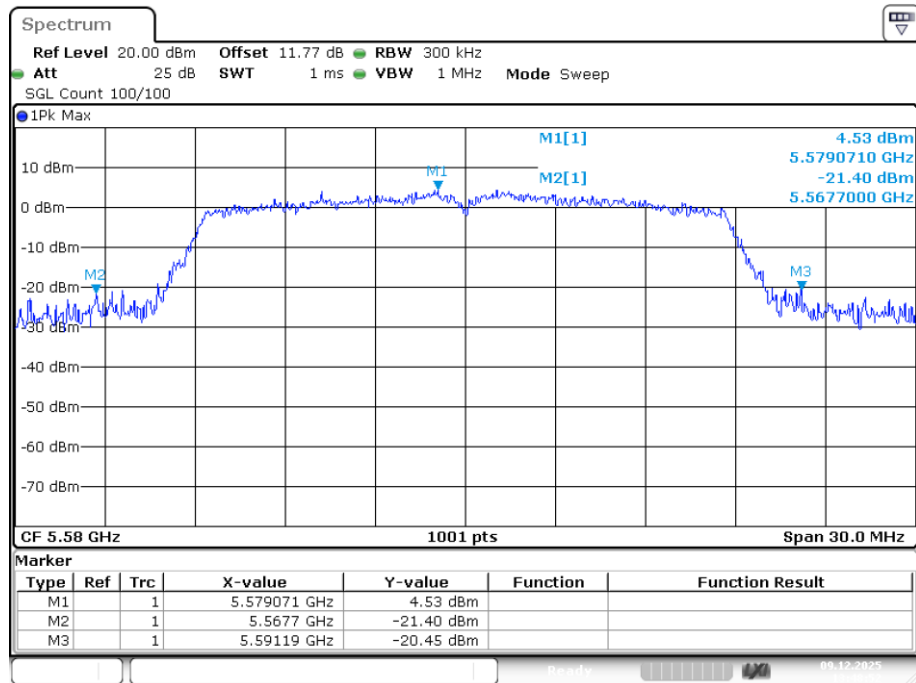
-26dB Bandwidth NVNT a 5700MHz Ant1



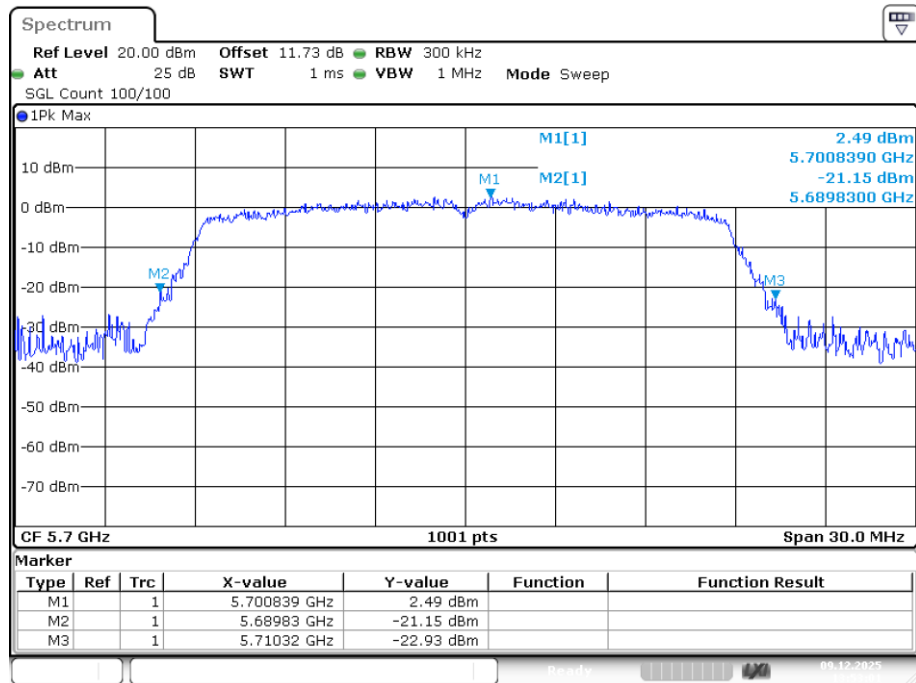
-26dB Bandwidth NVNT ac20 5500MHz Ant1



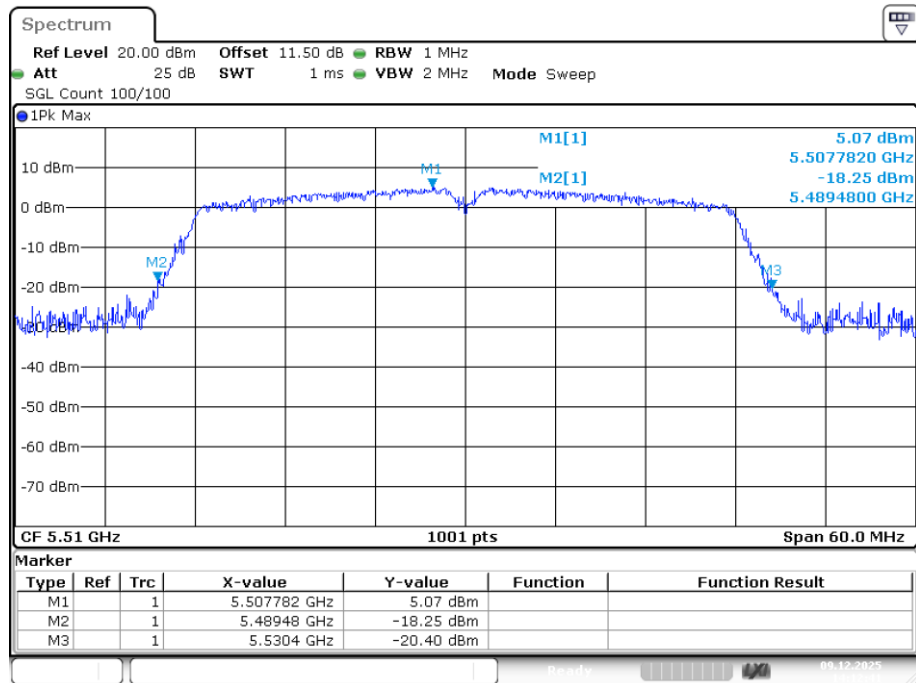
-26dB Bandwidth NVNT ac20 5580MHz Ant1



-26dB Bandwidth NVNT ac20 5700MHz Ant1



-26dB Bandwidth NVNT ac40 5510MHz Ant1



-26dB Bandwidth NVNT ac40 5670MHz Ant1