



FCC&IC TEST REPORT

FCC ID: 2BA3P-P3

IC: 30492-P3

On Behalf of

GUANGZHOU MERCURY NAVIGATION TECHNOLOGY CO., LTD

P3 Handheld

Model No.: P3, P31, C3, C4, C5, C6, C7, C8, C9

Prepared for : GUANGZHOU MERCURY NAVIGATION TECHNOLOGY CO., LTD
Address : Room C401-403, TOPS Beidou Innovation Base, No.83, Kaiyuan Avenue, Huangpu, Guangzhou, Guangdong, 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 : A2310171-C01-R19
Date of Receipt : October 27, 2023
Date of Test : October 27, 2023-December 12, 2023
Date of Report : December 18, 2023
Version Number : V0
Test Result : Pass

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TEST REPORT DECLARATION

Applicant : GUANGZHOU MERCURY NAVIGATION TECHNOLOGY CO., LTD

Address : Room C401-403, TOPS Beidou Innovation Base, No.83, Kaiyuan Avenue,
Huangpu, Guangzhou, Guangdong, China

Manufacturer : GUANGZHOU MERCURY NAVIGATION TECHNOLOGY CO., LTD

Address : Room C401-403, TOPS Beidou Innovation Base, No.83, Kaiyuan Avenue,
Huangpu, Guangzhou, Guangdong, China

EUT Description : P3 Handheld

(A) Model No. : P3, P31, C3, C4, C5, C6, C7, C8 ,C9

(B) Trademark : N/A

Measurement Standard Used:

FCC Rules and Regulations Part 15 Subpart E

RSS-247 Issue 2, RSS-Gen Issue 5, ANSI C63.10:2013, CISPR 16-1-4:2010

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).....:

Reak Yang

Project Manager


.....

Date of issue.....:

December 18, 2023

Revision History

Revision	Issue Date	Revisions	Revised By
V0	December 18, 2023	Initial released Issue	Yannis Wen

1 Test Summary

Test Item	Section in CFR 47	Result
Antenna requirement	Section 15.203 Section 7.1.4 RSS-Gen Issue 5	PASS
AC Power Line Conducted Emission	Section 15.207 Section 7.2.4 RSS-GEN(8.8), ANSI C63.10	PASS
Peak Transmit Power	Section 15.407(a), RSS-247 5.4(2)	PASS
Power Spectral Density	Section 15.407(a), RSS-247 5.2(2)	PASS
Undesirable Emission	Section 15.407(b), RSS-247 5.5	PASS
Radiated Emission	Section 15.407(b)&15.209 Section 5.5 RSS-Gen(8.9), RSS-247(5.5), ANSI C63.10	PASS
Band Edge	15.205, RSS-247 Issue 2, ANSI C63.10	PASS
Frequency Stability	15.407(f), RSS-GEN(6.11)	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^{-8} GHz
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%

2 General Information

2.1 General Description of EUT

EUT Name : P3 Handheld
 Model No. : P3, P31, C3, C4, C5, C6, C7, C8 ,C9
 DIFF. : There is no difference except the name of the model. All tests are made with the P3 model.
 Power supply : DC 5V/9V from adapter with AC 120V/60Hz, DC 3.8V from battery

Radio Technology : 5G WIFI

Operation Frequency : 802.11a/n(HT20)/ac(HT20): 5180~5240MHz; 5260-5320MHz;
 5745~5825MHz

802.11n(HT40)/ac(HT40): 5190~5230MHz; 5260-5320MHz;
 5755~5795MHz

802.11ac(HT80): 5210MHz, 5290MHz, 5775MHz

Channel separation : 20MHz for 802.11a/ 802.11ac20/ 802.11n(HT20)
 40MHz for 802.11ac40/ 802.11n(HT40)
 80MHz for 802.11ac80

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 : Internal Antenna, max gain 1.68dBi
 Antenna information is provided by applicant.

Software version : P3B_080
 Hardware version : P3 MB V2.0

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.

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: CN0085

2.4 Description of Support Units

Accessories : Switching Adapter
Manufacturer : DEE VAN ENTERPRISE CO., LTD.
Model : DSA-45PDH
INPUT : 100-240V~50/60Hz 1.5A
OUTPUT : +5.0V = 3.0A, 15.0W; +9.0V = 3.0A, 27W; +12.0V = 3.0A, 36.0W;
+15.0V = 3.0A, 45.0W; +20V = 2.25A, 45.0W

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

3 Test Instruments list

Equipment	Manufacture	Model No.	Firmware version	Serial No.	Last cal.	Cal Interval
9*6*6 anechoic chamber	CHENYU	9*6*6	/	N/A	2022.05.17	3Year
Spectrum analyzer	ROHDE&SCHWARZ	FSV40-N	2.3	102137	2023.08.16	1Year
Spectrum analyzer	Agilent	N9020A	A.14.16	MY499100060	2023.08.16	1Year
Receiver	ROHDE&SCHWARZ	ESR	2.28 SP1	1316.3003K03-102082-Wa	2023.08.16	1Year
Receiver	R&S	ESCI	4.42 SP1	101165	2023.08.16	1Year
Bilog Antenna	Schwarzbeck	VULB 9168	/	VULB 9168#627	2023.08.28	1Year
Horn Antenna	SCHWARZBECK	BBHA 9120 D	/	2106	2023.08.19	1Year
Loop Antenna	SCHWARZBECK	FMZB 1519B	/	00128	2023.08.19	1Year
RF Cable	Resenberger	Cable 1	/	RE1	2023.08.16	1Year
RF Cable	Resenberger	Cable 2	/	RE2	2023.08.16	1Year
RF Cable	Resenberger	Cable 3	/	CE1	2023.08.16	1Year
Pre-amplifier	HP	HP8347A	/	2834A00455	2023.08.16	1Year
Pre-amplifier	Agilent	8449B	/	3008A02664	2023.08.16	1Year
L.I.S.N.#1	Schwarzbeck	NSLK8126	/	8126-466	2023.08.16	1Year
L.I.S.N.#2	ROHDE&SCHWARZ	ENV216	/	101043	2023.08.16	1Year
Horn Antenna	SCHWARZBECK	BBHA 9170	/	00946	2023.08.19	1Year
Preamplifier	SKET	LNPA_1840 -50	/	SK2018101801	2023.08.16	1 Year
Power Meter	Agilent	E9300A	/	MY41496628	2023.08.16	1 Year
Power Sensor	DARE	RPR3006W	/	15100041SNO91	2023.08.16	1 Year
Temp. & Humid. Chamber	Teelong	TL-HW408S	/	TL-20191205-01	2023.07.25	1 Year
Switching Mode Power Supply	JUNKE	JK12010S	/	20140927-6	2023.08.16	1 Year
Adjustable attenuator	MWRFtest	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 internal antenna. The best case gain of the antenna is 1.68dBi for 5.15~5.25GHz, 5.25~5.35GHz, 5.725~5.85GHz	

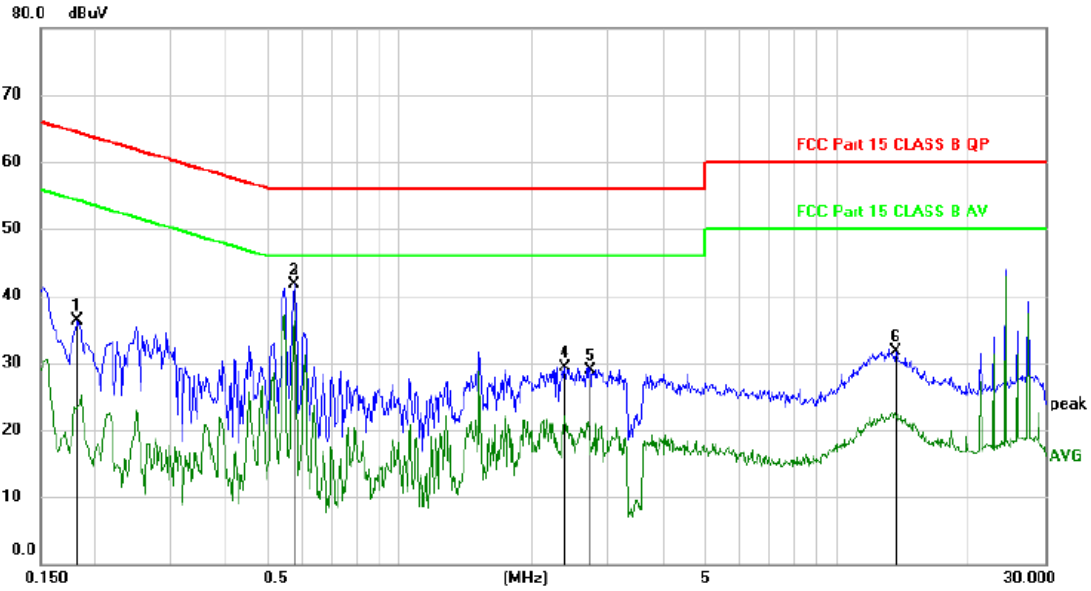
4.2 Conducted Emissions

Test Requirement:	FCC Part15 C Section 15.207														
Test Method:	ANSI C63.10:2013														
Test Frequency Range:	150KHz to 30MHz														
Class / Severity:	Class B														
Receiver setup:	RBW=9KHz, VBW=30KHz														
Limit:	<table border="1"> <thead> <tr> <th rowspan="2">Frequency range (MHz)</th> <th colspan="2">Limit (dBuV)</th> </tr> <tr> <th>Quasi-peak</th> <th>Average</th> </tr> </thead> <tbody> <tr> <td>0.15-0.5</td> <td>66 to 56*</td> <td>56 to 46*</td> </tr> <tr> <td>0.5-5</td> <td>56</td> <td>46</td> </tr> <tr> <td>5-30</td> <td>60</td> <td>50</td> </tr> </tbody> </table> <p>* Decreases with the logarithm of the frequency.</p>	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
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													
Test procedure	<p>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.</p>														
Test setup:	<p><i>Remark</i> E.U.T: Equipment Under Test LISN: Line Impedance Stabilization Network Test table height=0.8m</p>														
Test Instruments:	Refer to section 5.10 for details														
Test mode:	Refer to section 5.3 for details														
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:



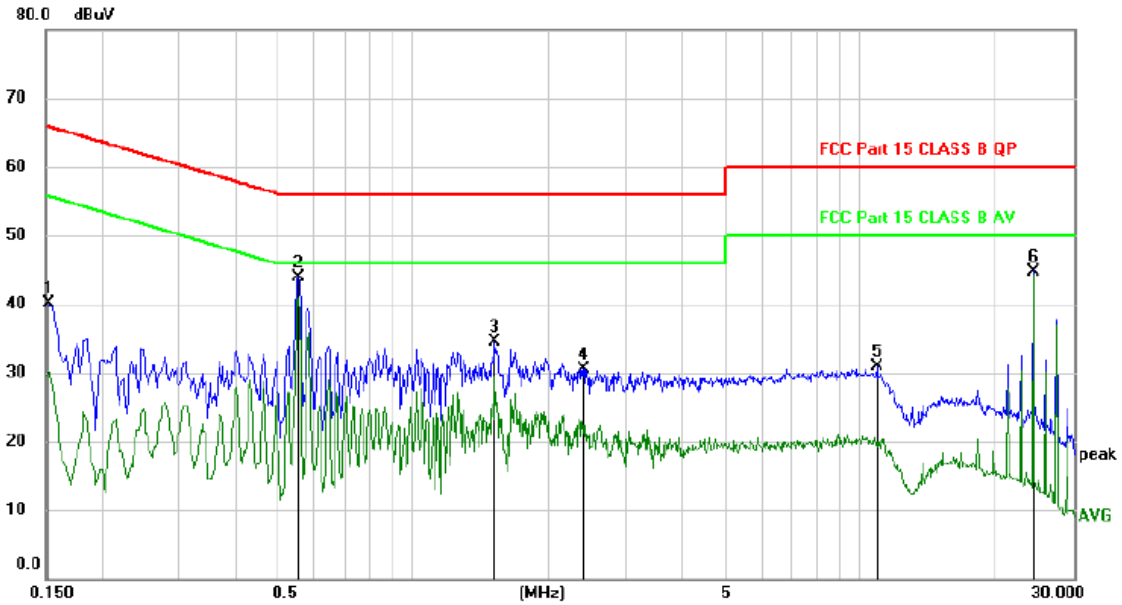
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1829	26.46	9.93	36.39	64.35	-27.96	peak	
2	*	0.5728	31.75	9.93	41.68	56.00	-14.32	peak	
3	*	0.5728	31.75	9.93	41.68	56.00	-14.32	peak	
4		2.3908	19.46	9.90	29.36	56.00	-26.64	peak	
5		2.7238	19.07	9.92	28.99	56.00	-27.01	peak	
6		13.6560	21.37	10.30	31.67	60.00	-28.33	peak	

*:Maximum data x:Over limit l: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		0.1529	30.11	9.94	40.05	65.84	-25.79	peak	
2	*	0.5550	34.00	9.94	43.94	56.00	-12.06	peak	
3		1.5239	24.54	9.90	34.44	56.00	-21.56	peak	
4		2.4000	20.67	9.90	30.57	56.00	-25.43	peak	
5		10.8719	20.62	10.23	30.85	60.00	-29.15	peak	
6		24.3870	34.36	10.44	44.80	60.00	-15.20	peak	

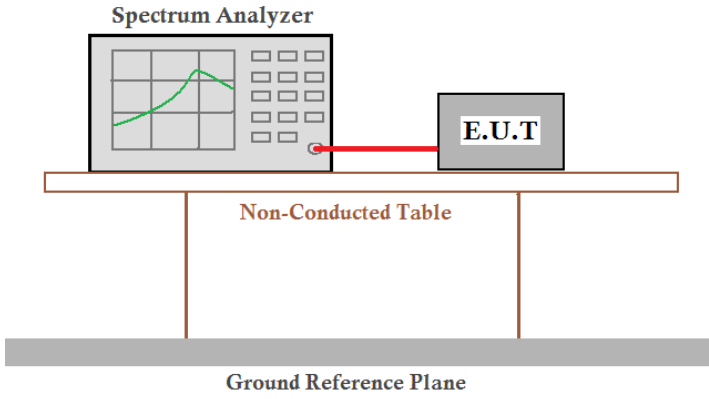
*:Maximum data x:Over limit !:over margin

(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 a 5180MHz mode with the worst data is listed.

4.3 Emission Bandwidth and 99% Occupied Bandwidth

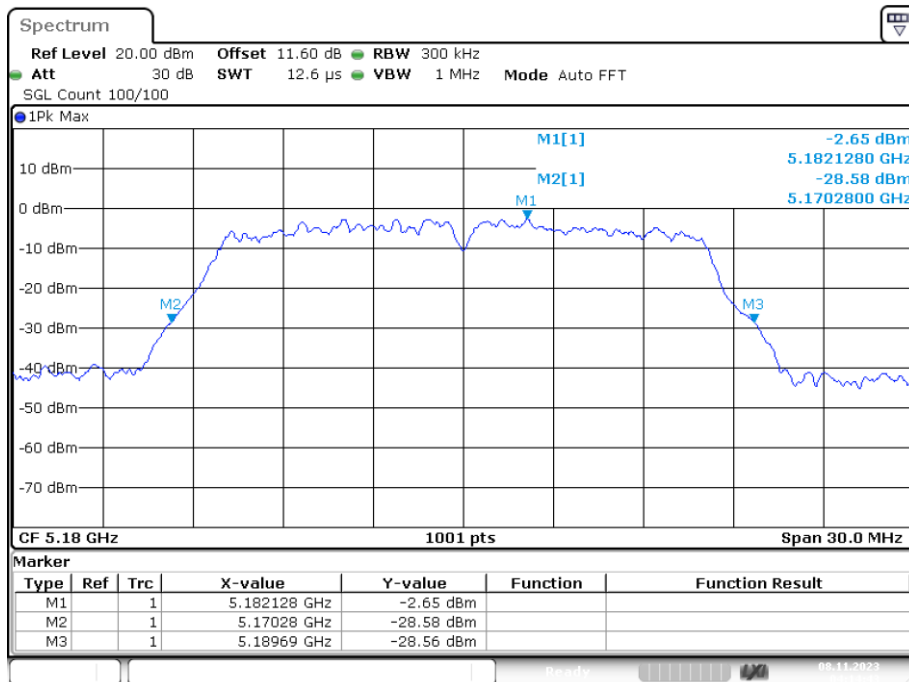
Test Requirement:	FCC Part15 E Section 15.407, RSS-Gen Issue 5
Test Method:	KDB 789033 D02 General UNII Test Procedures New Rules v02r01
Limit:	N/A
Test setup:	 <p>The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. Both are placed on a Non-Conducted Table, which is supported by a Ground Reference Plane.</p>
Test procedure:	According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
Test Instruments:	Refer to section 5.10 for details
Test mode:	Refer to section 5.3 for details
Test results:	Pass

Measurement Data:

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

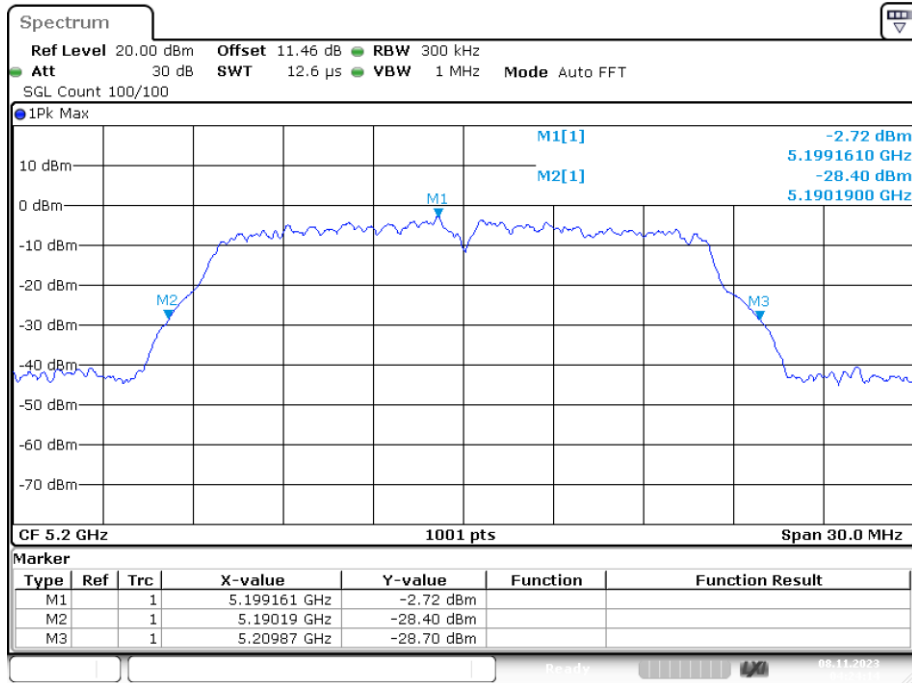
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	19.41	/	Pass
NVNT	a	5200	Ant1	19.68	/	Pass
NVNT	a	5240	Ant1	19.65	/	Pass
NVNT	ac20	5180	Ant1	20.19	/	Pass
NVNT	ac20	5200	Ant1	20.16	/	Pass
NVNT	ac20	5240	Ant1	19.98	/	Pass
NVNT	ac40	5190	Ant1	39.06	/	Pass
NVNT	ac40	5230	Ant1	39.3	/	Pass
NVNT	ac80	5210	Ant1	79.2	/	Pass
NVNT	n20	5180	Ant1	20.01	/	Pass
NVNT	n20	5200	Ant1	19.95	/	Pass
NVNT	n20	5240	Ant1	20.4	/	Pass
NVNT	n40	5190	Ant1	39.24	/	Pass
NVNT	n40	5230	Ant1	39.12	/	Pass

-26dB Bandwidth NVNT a 5180MHz Ant1



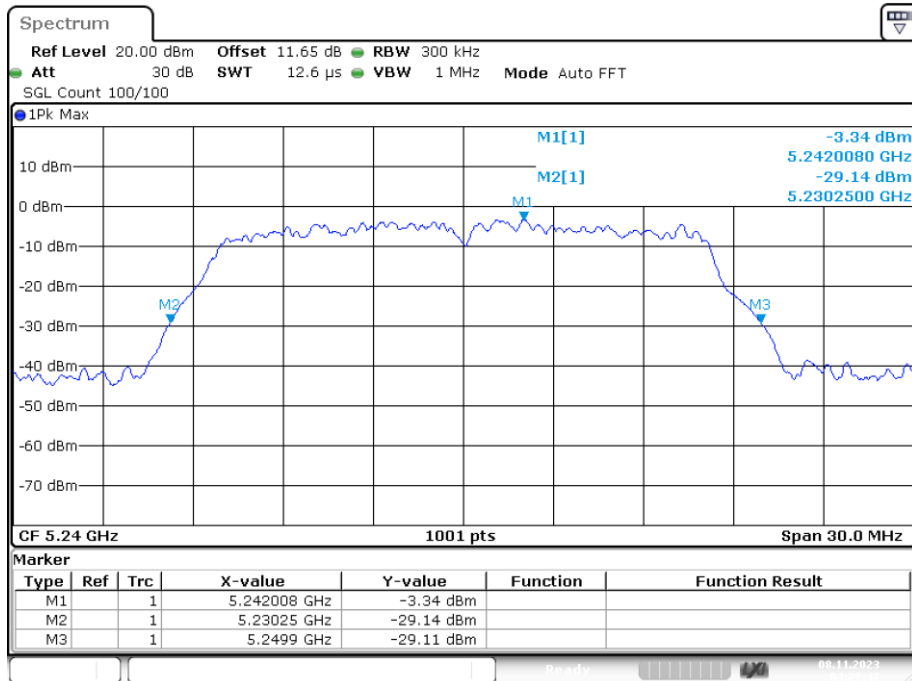
Date: 8.NOV.2023 04:14:44

-26dB Bandwidth NVNT a 5200MHz Ant1



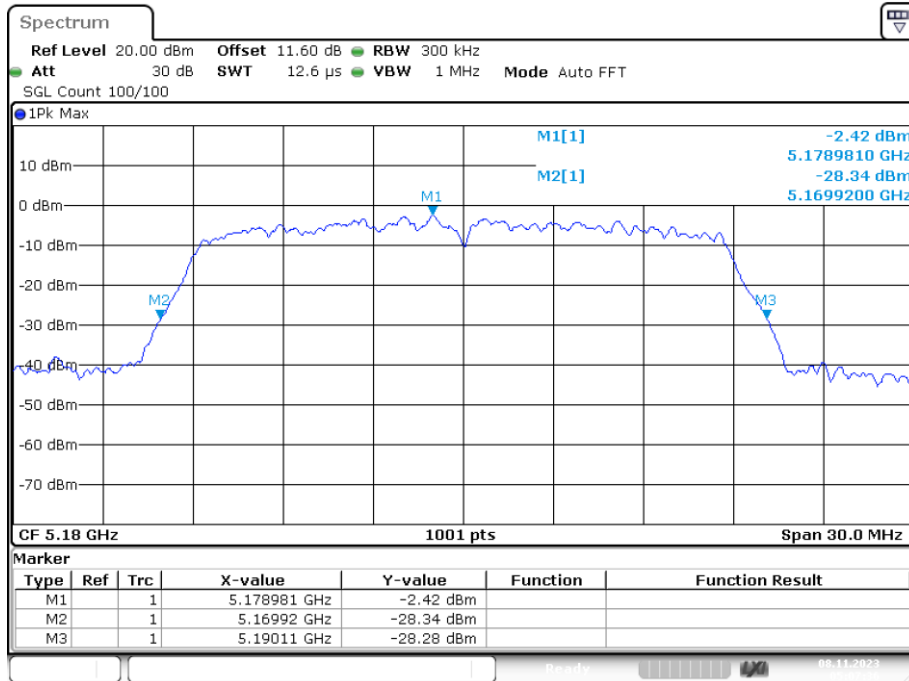
Date: 8.NOV.2023 04:24:14

-26dB Bandwidth NVNT a 5240MHz Ant1



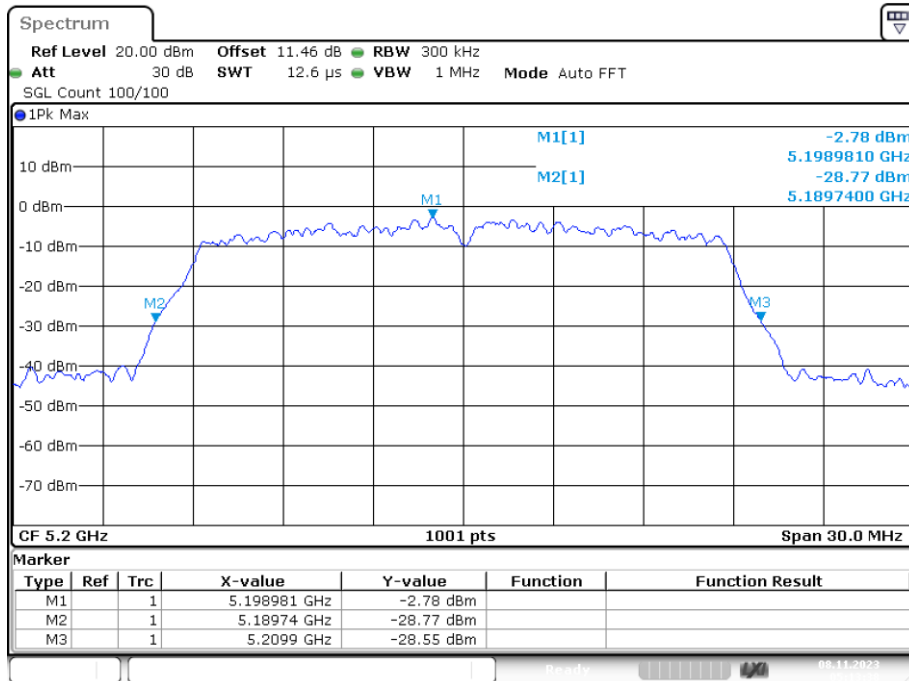
Date: 8.NOV.2023 04:27:46

-26dB Bandwidth NVNT ac20 5180MHz Ant1



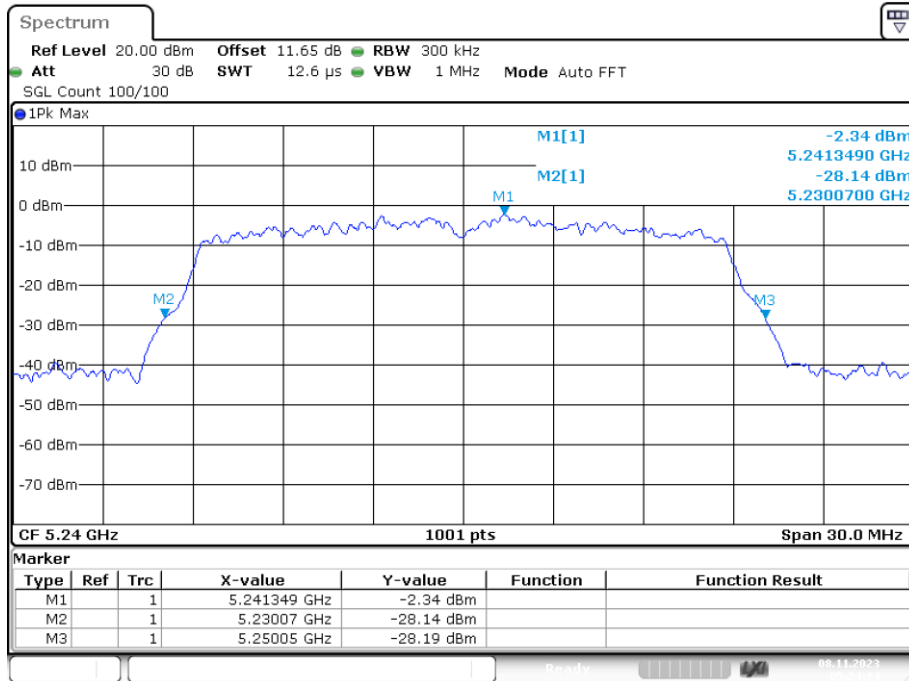
Date: 8.NOV.2023 05:07:35

-26dB Bandwidth NVNT ac20 5200MHz Ant1

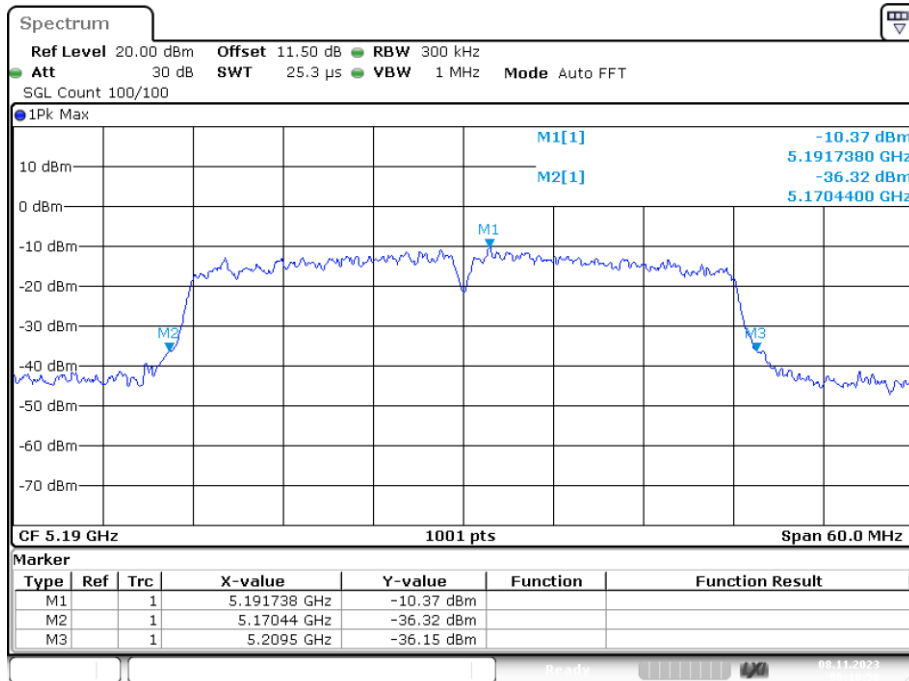


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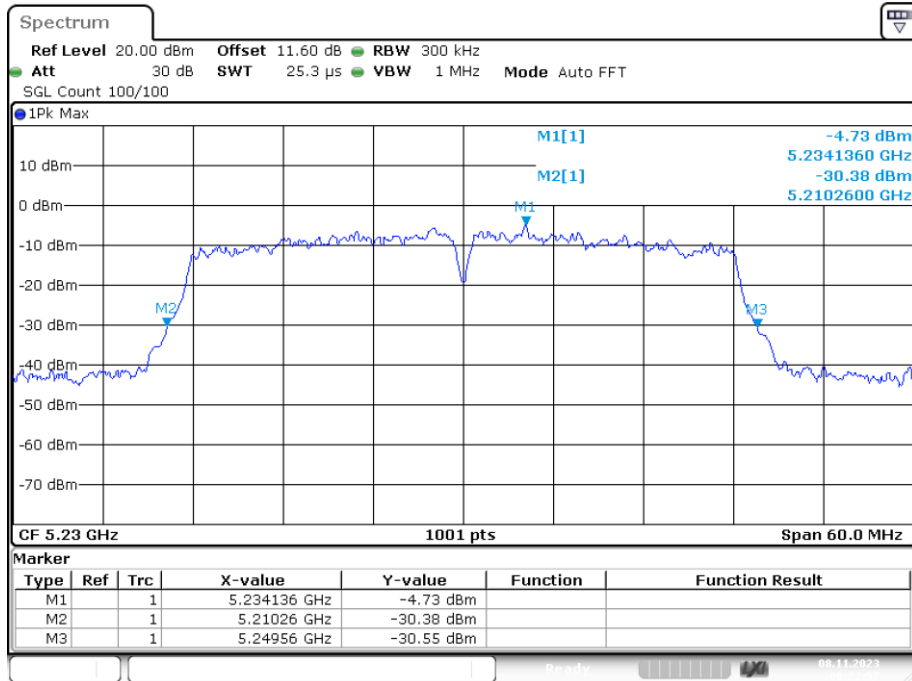
-26dB Bandwidth NVNT ac20 5240MHz Ant1



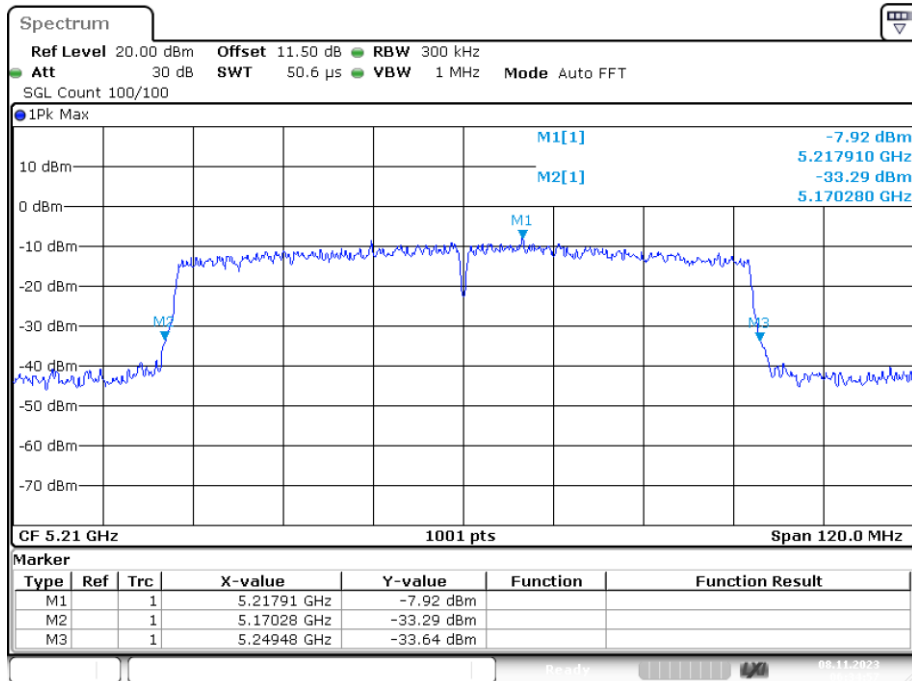
-26dB Bandwidth NVNT ac40 5190MHz Ant1



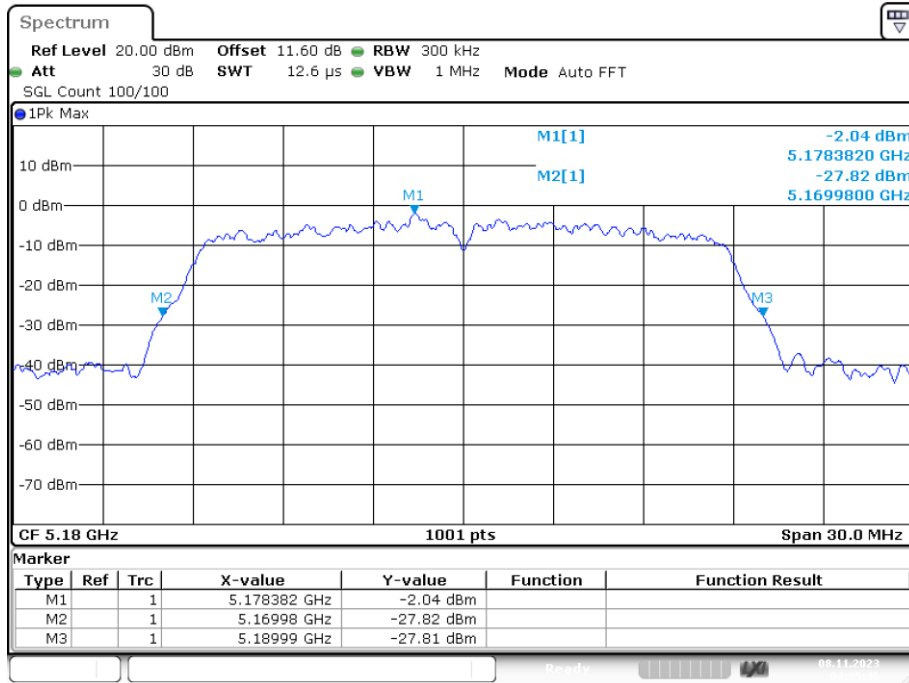
-26dB Bandwidth NVNT ac40 5230MHz Ant1



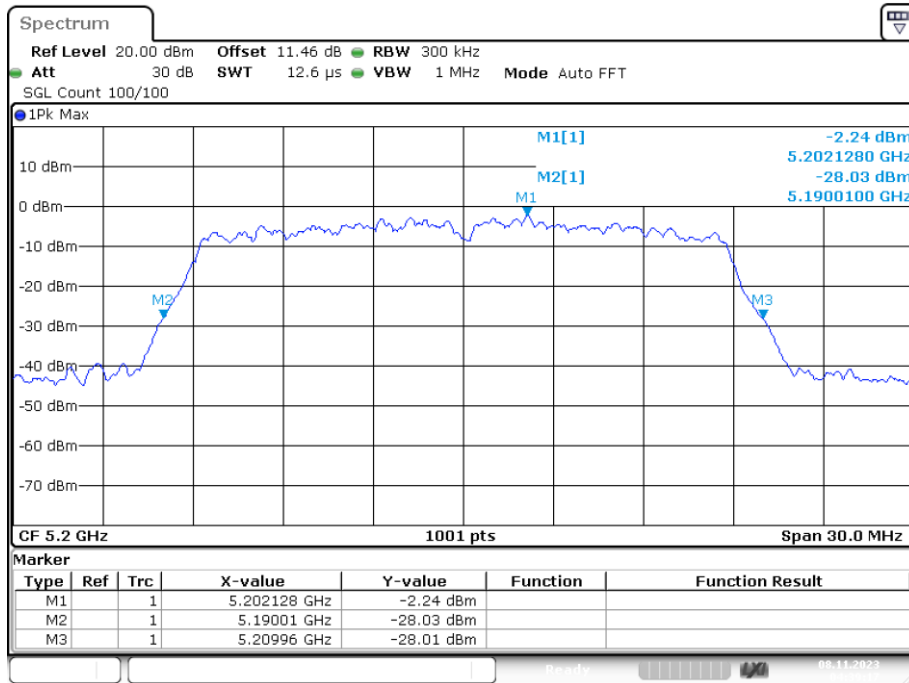
-26dB Bandwidth NVNT ac80 5210MHz Ant1



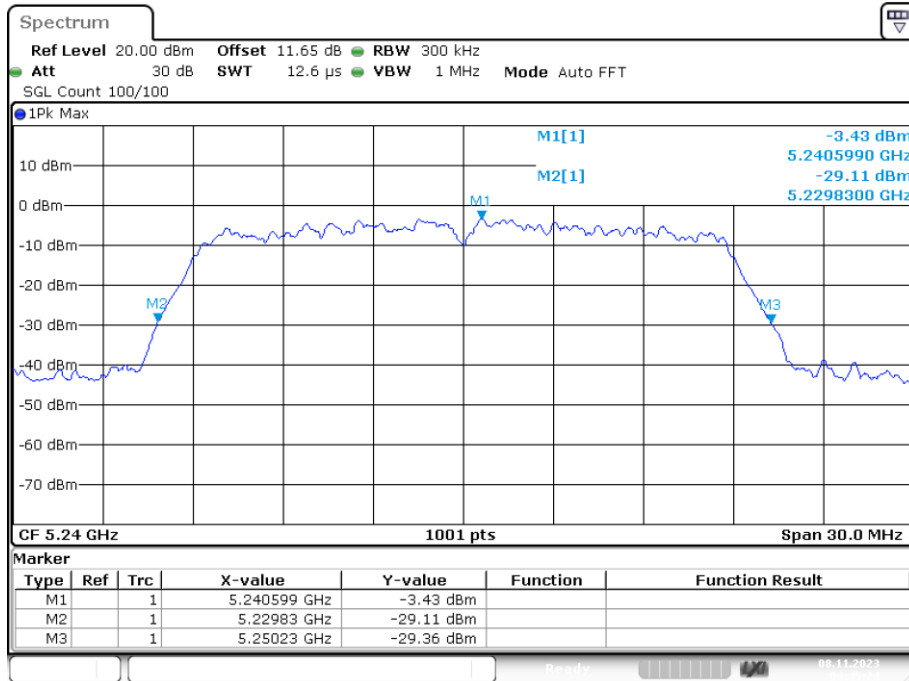
-26dB Bandwidth NVNT n20 5180MHz Ant1



-26dB Bandwidth NVNT n20 5200MHz Ant1

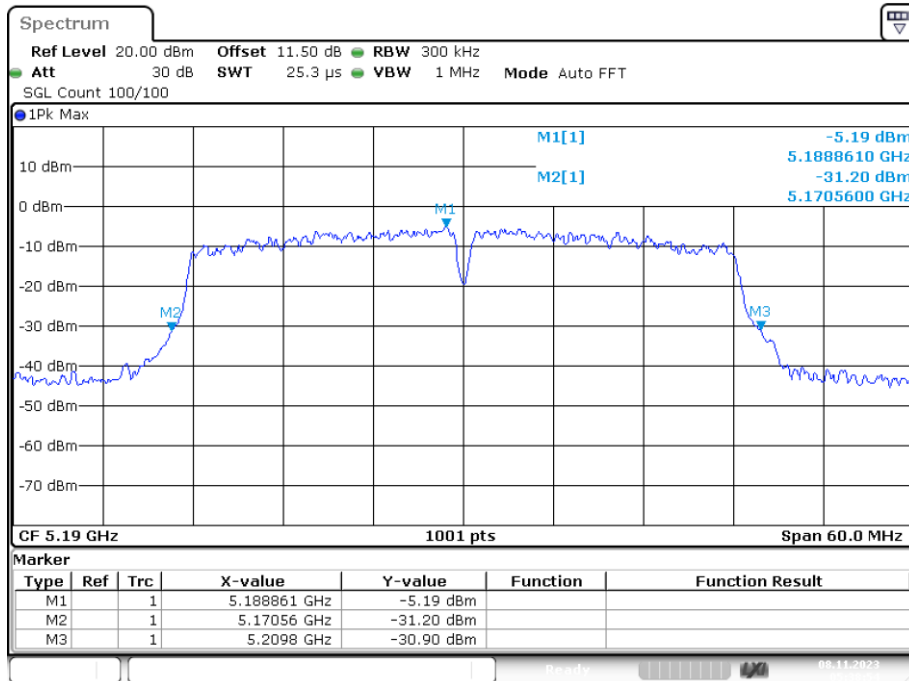


-26dB Bandwidth NVNT n20 5240MHz Ant1



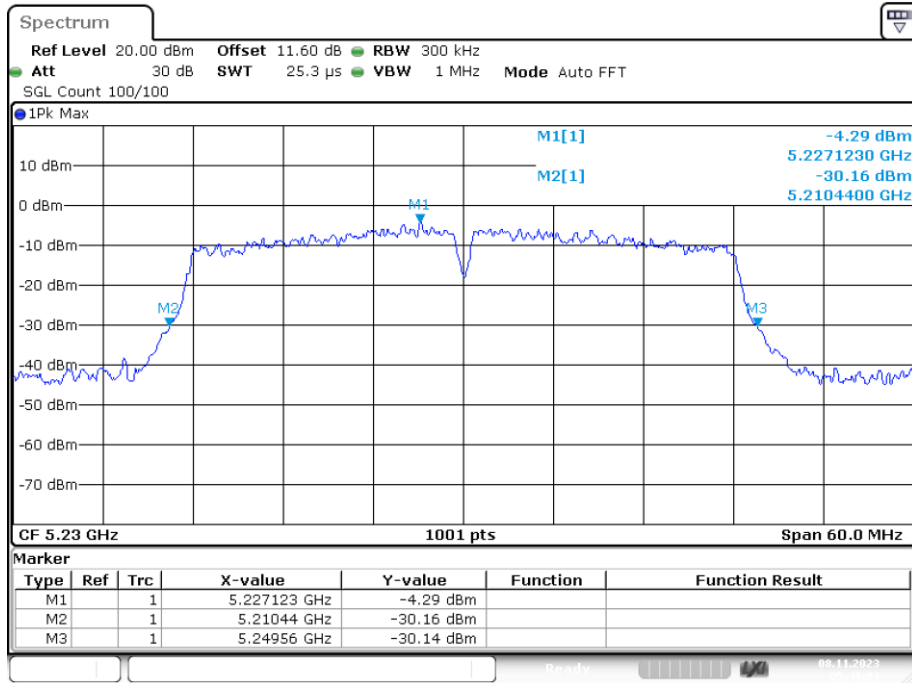
Date: 8.NOV.2023 04:45:24

-26dB Bandwidth NVNT n40 5190MHz Ant1



Date: 8.NOV.2023 05:38:54

-26dB Bandwidth NVNT n40 5230MHz Ant1

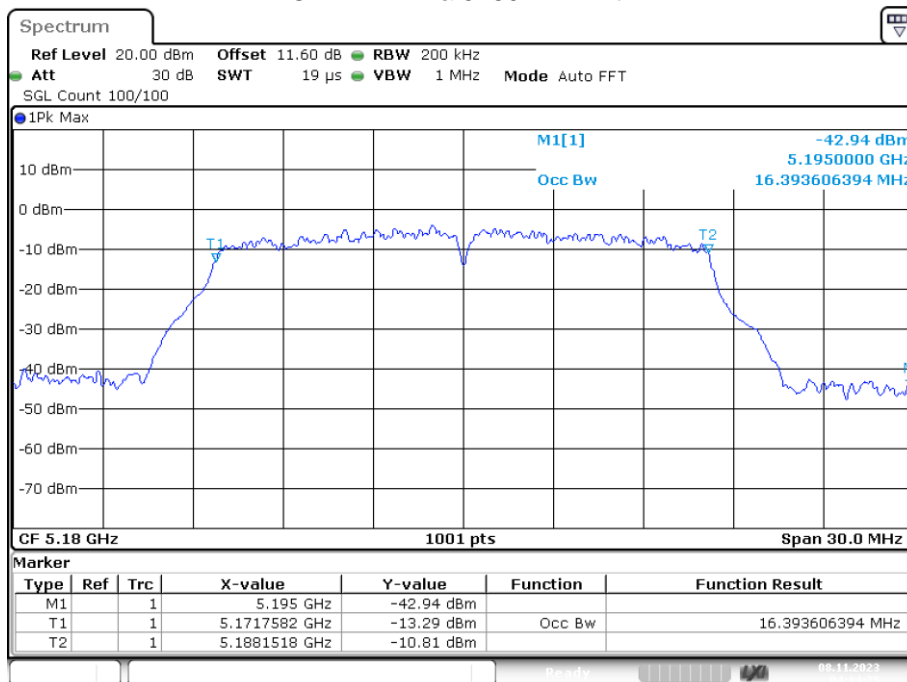


Date: 8.NOV.2023 05:49:03

Occupied Channel Bandwidth

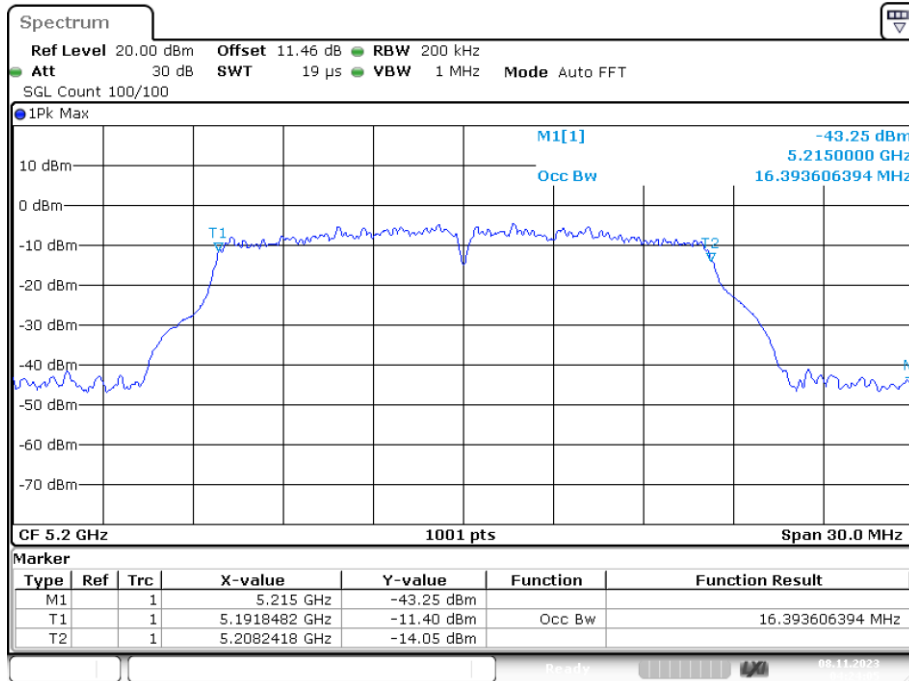
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.394
NVNT	a	5200	Ant1	16.394
NVNT	a	5240	Ant1	16.484
NVNT	ac20	5180	Ant1	17.502
NVNT	ac20	5200	Ant1	17.682
NVNT	ac20	5240	Ant1	17.622
NVNT	ac40	5190	Ant1	35.964
NVNT	ac40	5230	Ant1	36.024
NVNT	ac80	5210	Ant1	75.165
NVNT	n20	5180	Ant1	17.622
NVNT	n20	5200	Ant1	17.592
NVNT	n20	5240	Ant1	17.532
NVNT	n40	5190	Ant1	35.964
NVNT	n40	5230	Ant1	35.904

OBW NVNT a 5180MHz Ant1

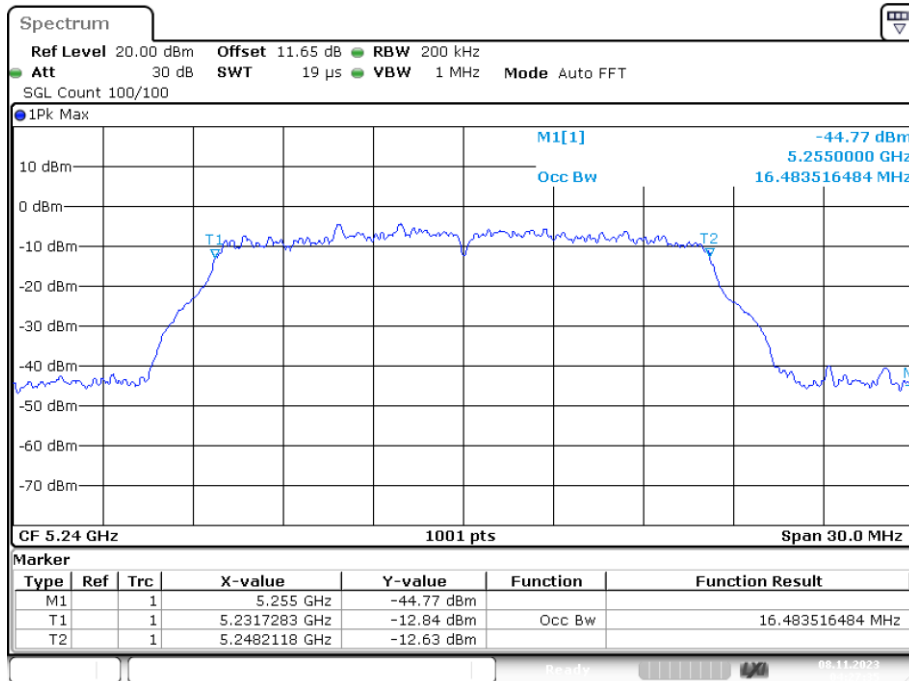


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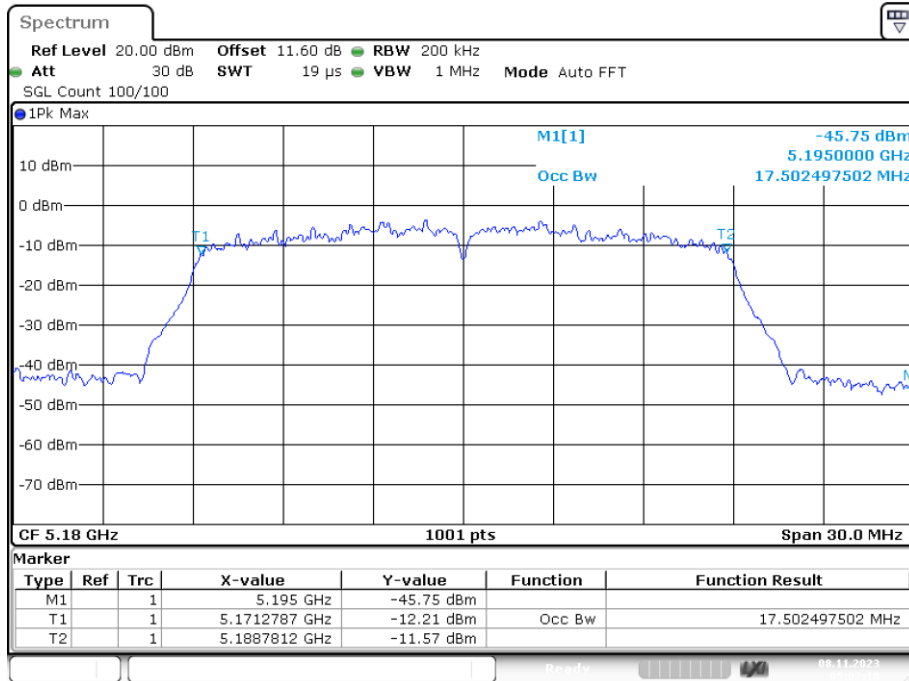
OBW NVNT a 5200MHz Ant1



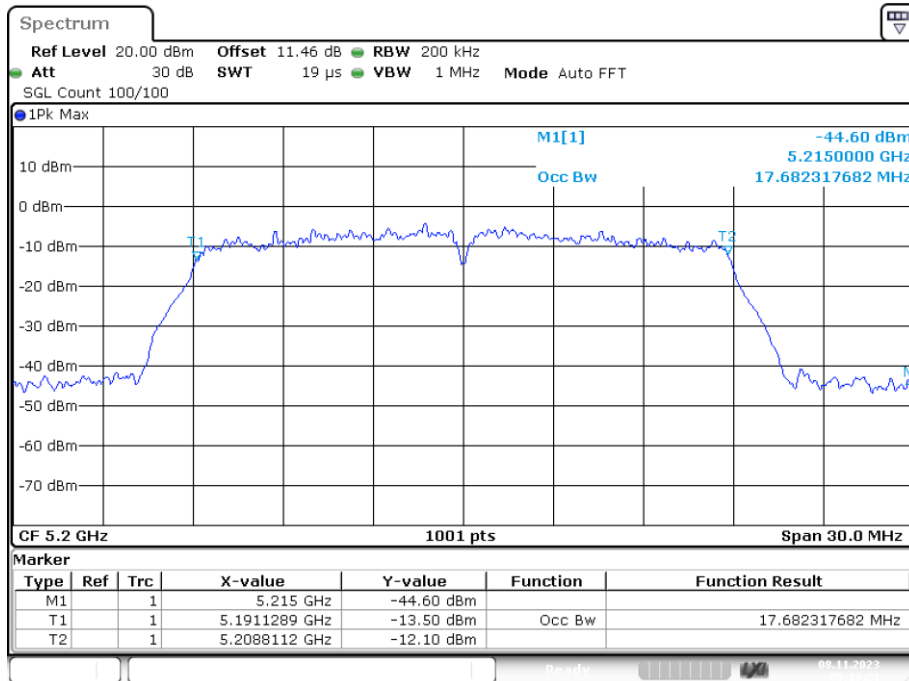
OBW NVNT a 5240MHz Ant1



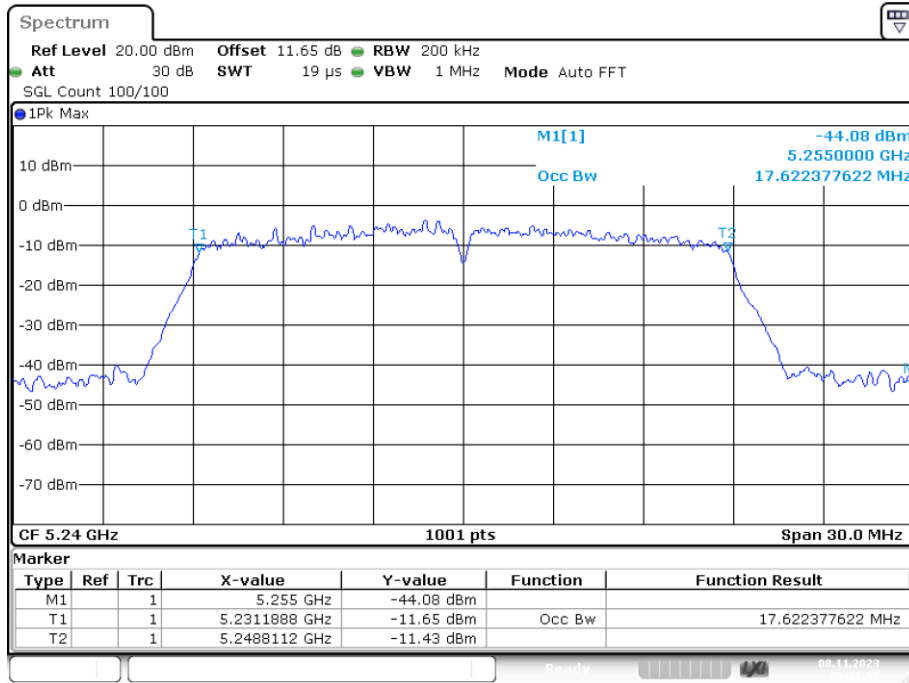
OBW NVNT ac20 5180MHz Ant1



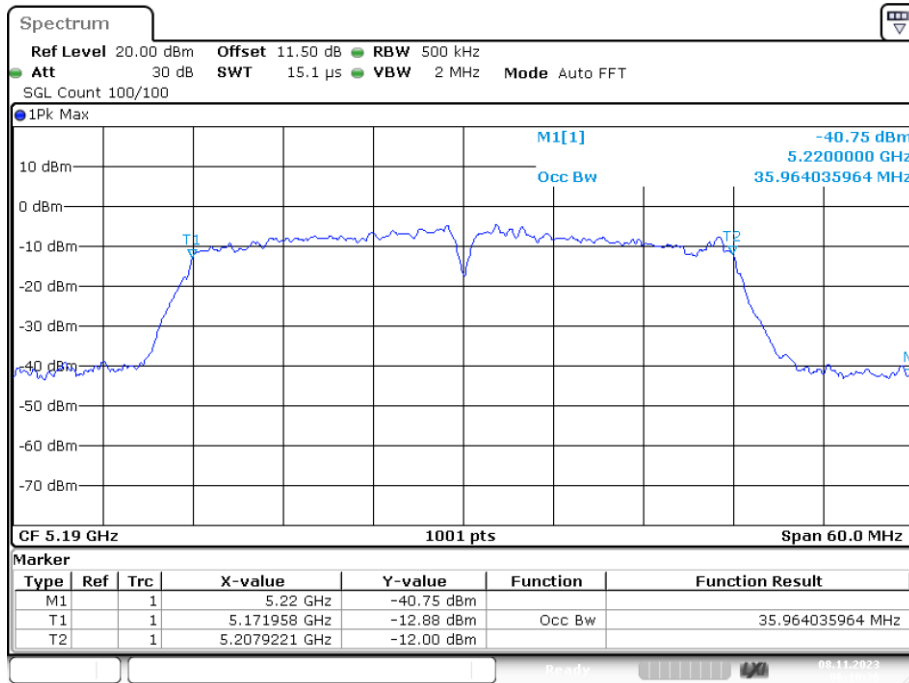
OBW NVNT ac20 5200MHz Ant1



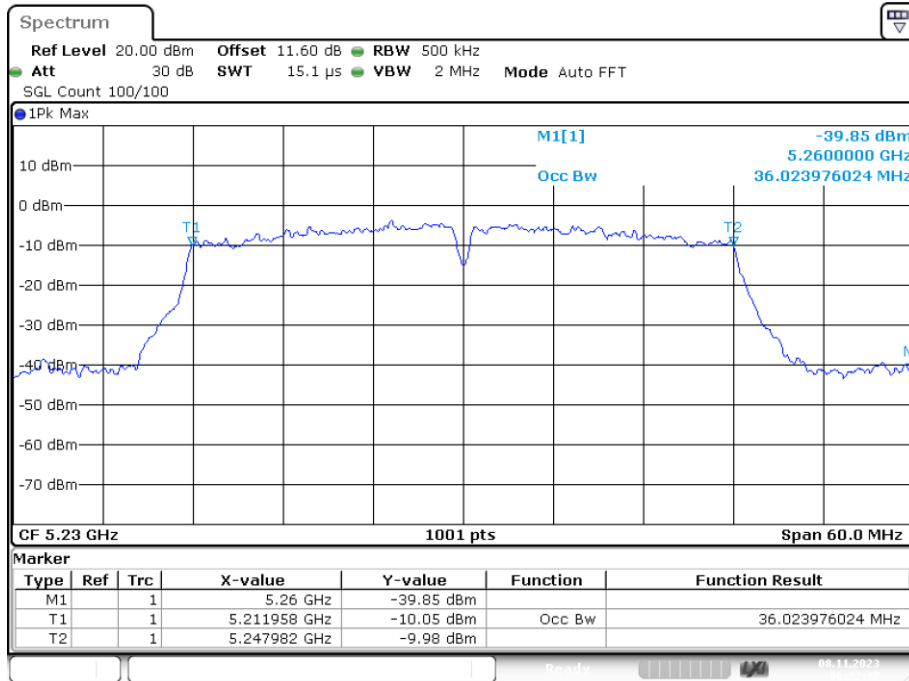
OBW NVNT ac20 5240MHz Ant1



OBW NVNT ac40 5190MHz Ant1

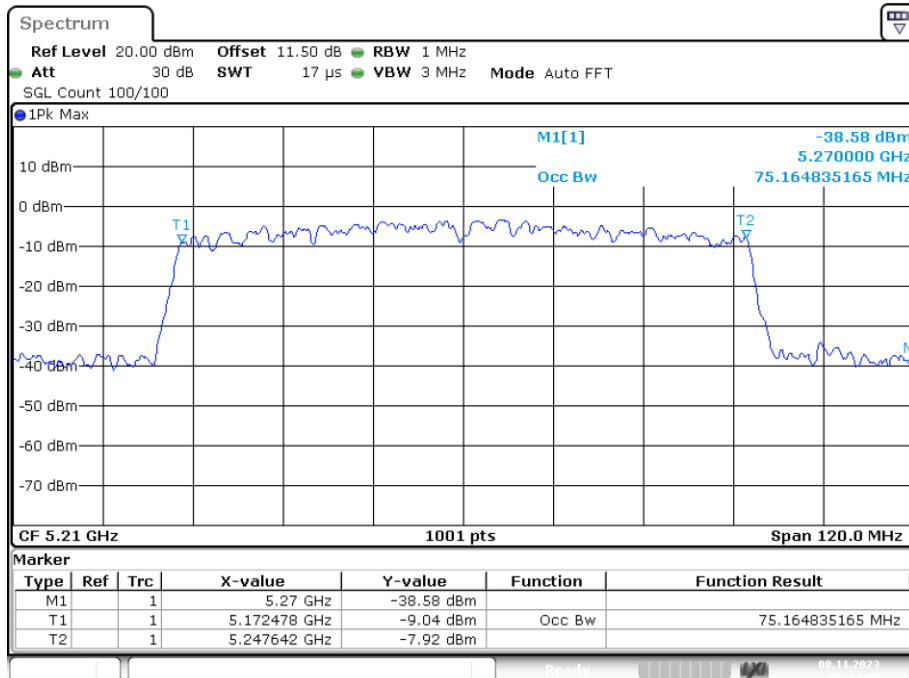


OBW NVNT ac40 5230MHz Ant1



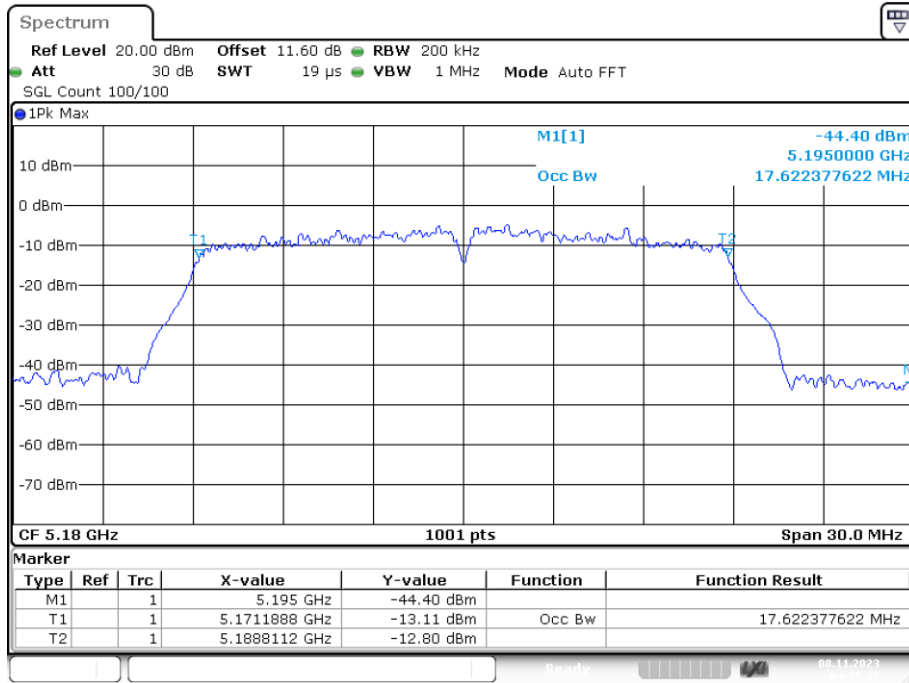
Date: 8.NOV.2023 06:22:37

OBW NVNT ac80 5210MHz Ant1

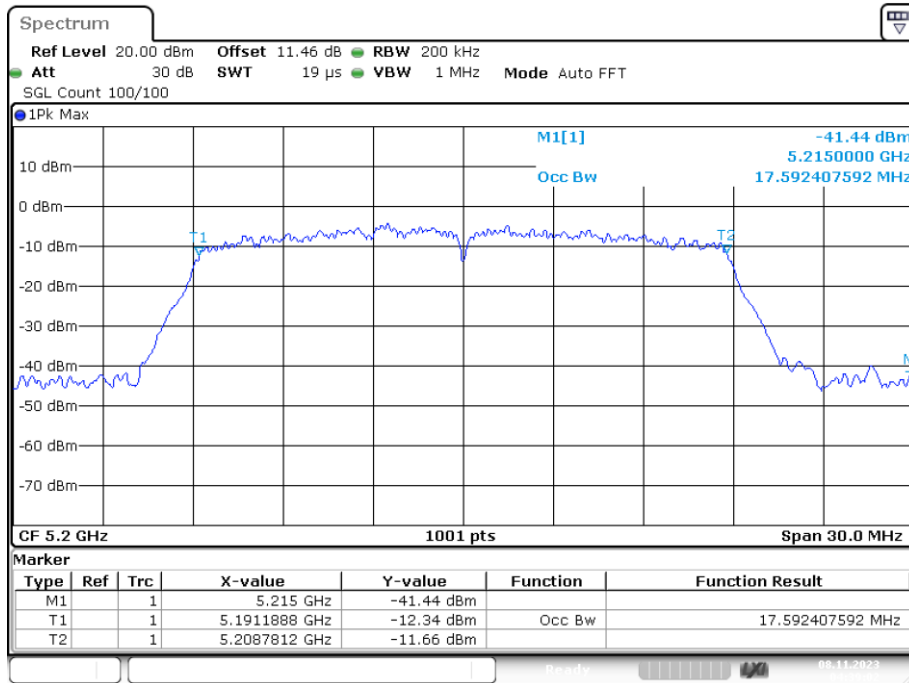


Date: 8.NOV.2023 06:34:46

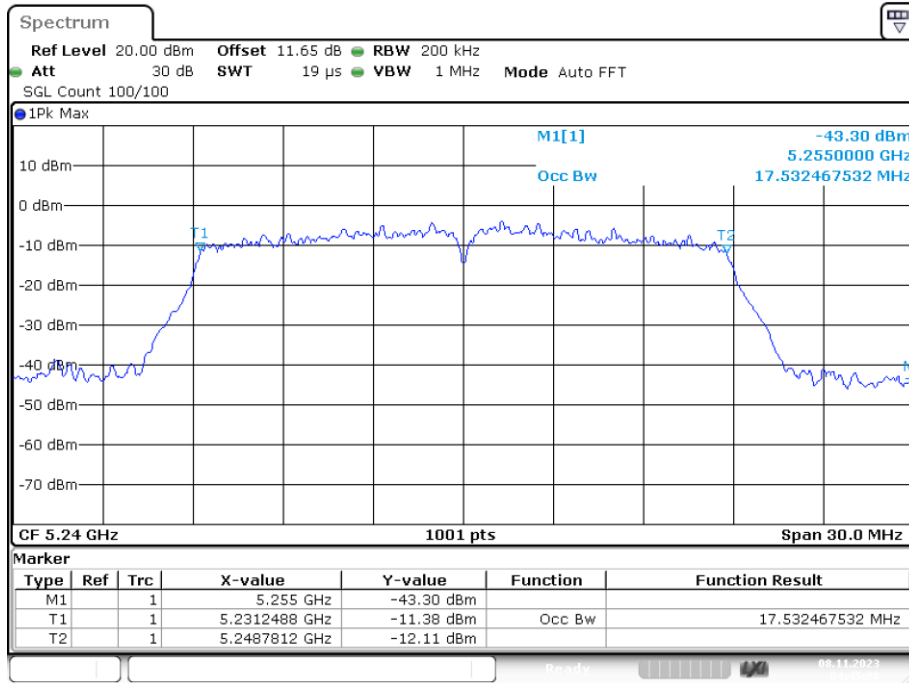
OBW NVNT n20 5180MHz Ant1



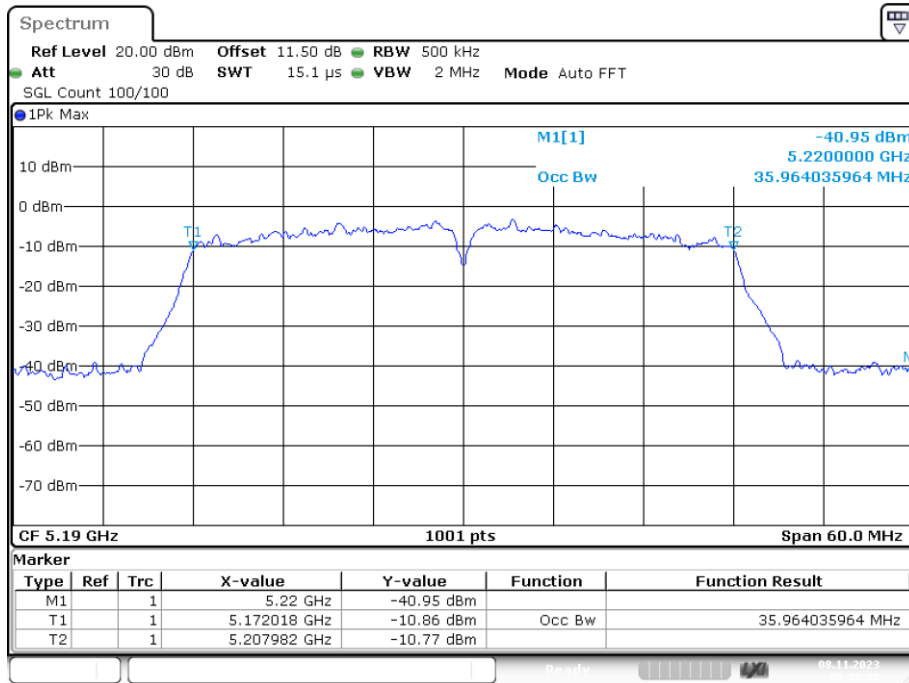
OBW NVNT n20 5200MHz Ant1



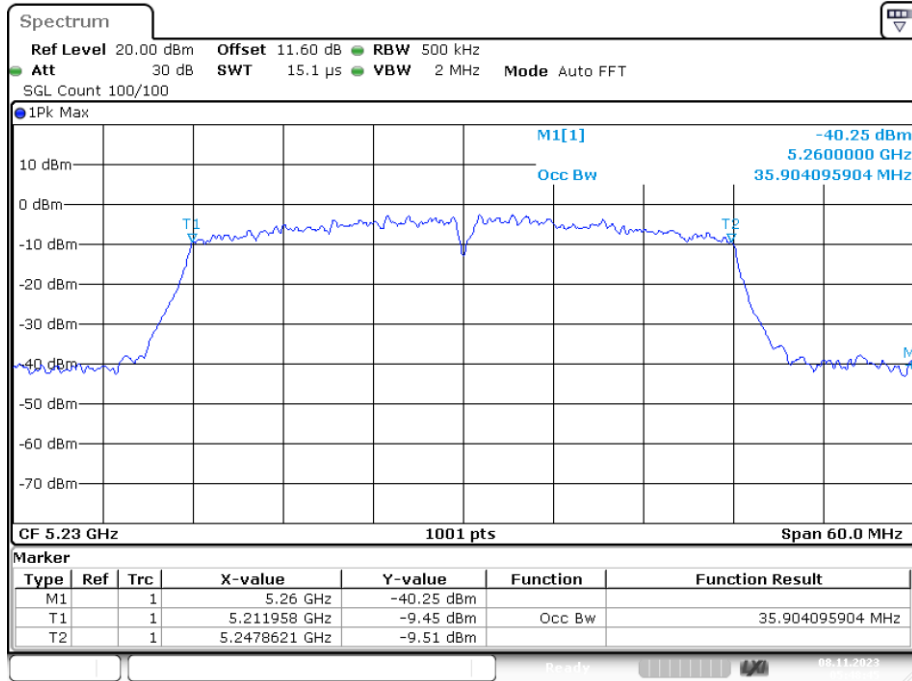
OBW NVNT n20 5240MHz Ant1



OBW NVNT n40 5190MHz Ant1



OBW NVNT n40 5230MHz Ant1

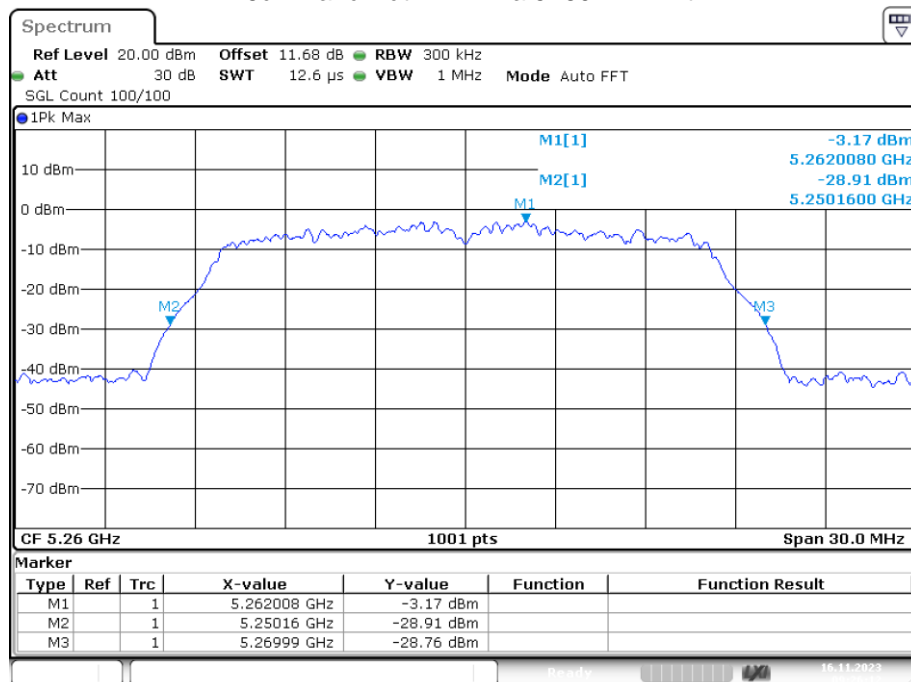


Date: 8.NOV.2023 05:48:45

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

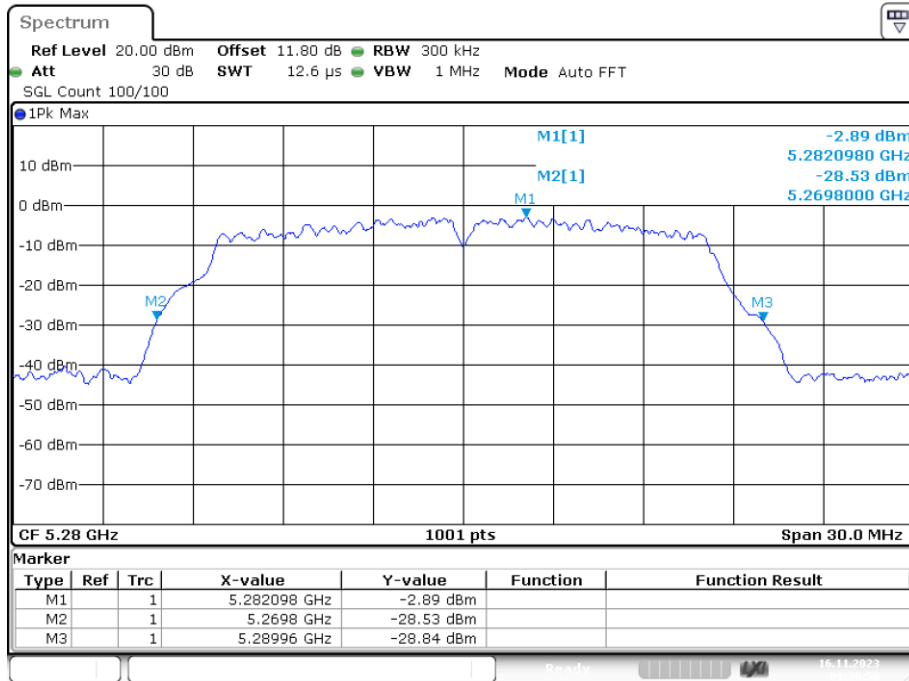
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5260	Ant1	19.83	/	Pass
NVNT	a	5280	Ant1	20.16	/	Pass
NVNT	a	5320	Ant1	20.07	/	Pass
NVNT	ac20	5260	Ant1	19.68	/	Pass
NVNT	ac20	5280	Ant1	20.04	/	Pass
NVNT	ac20	5320	Ant1	20.22	/	Pass
NVNT	ac40	5270	Ant1	39.6	/	Pass
NVNT	ac40	5310	Ant1	38.7	/	Pass
NVNT	ac80	5290	Ant1	78.48	/	Pass
NVNT	n20	5260	Ant1	20.07	/	Pass
NVNT	n20	5280	Ant1	20.04	/	Pass
NVNT	n20	5320	Ant1	20.22	/	Pass
NVNT	n40	5270	Ant1	39.66	/	Pass
NVNT	n40	5310	Ant1	40.14	/	Pass

-26dB Bandwidth NVNT a 5260MHz Ant1



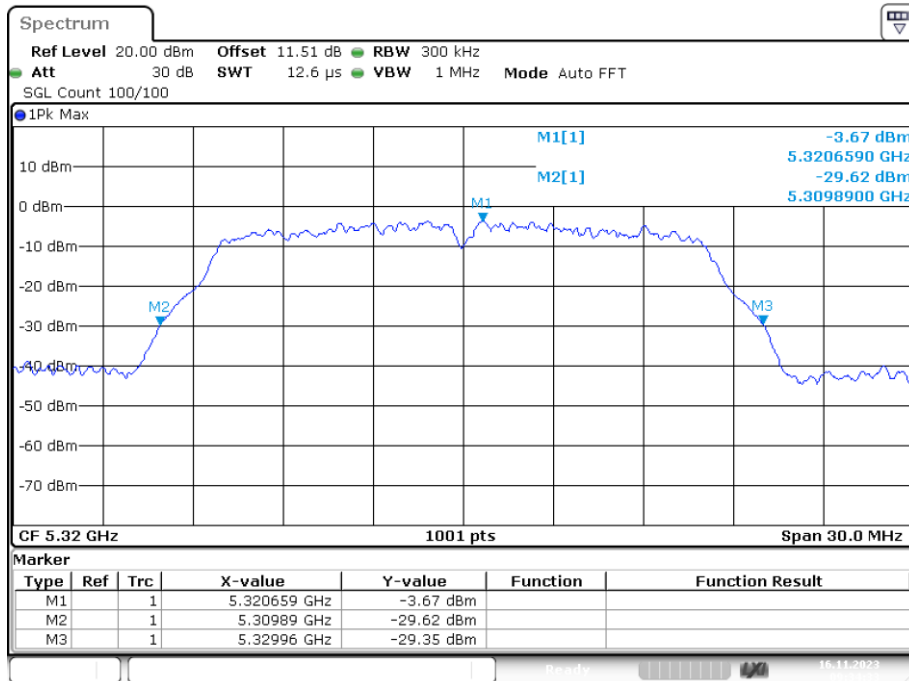
Date: 16.NOV.2023 09:26:11

-26dB Bandwidth NVNT a 5280MHz Ant1



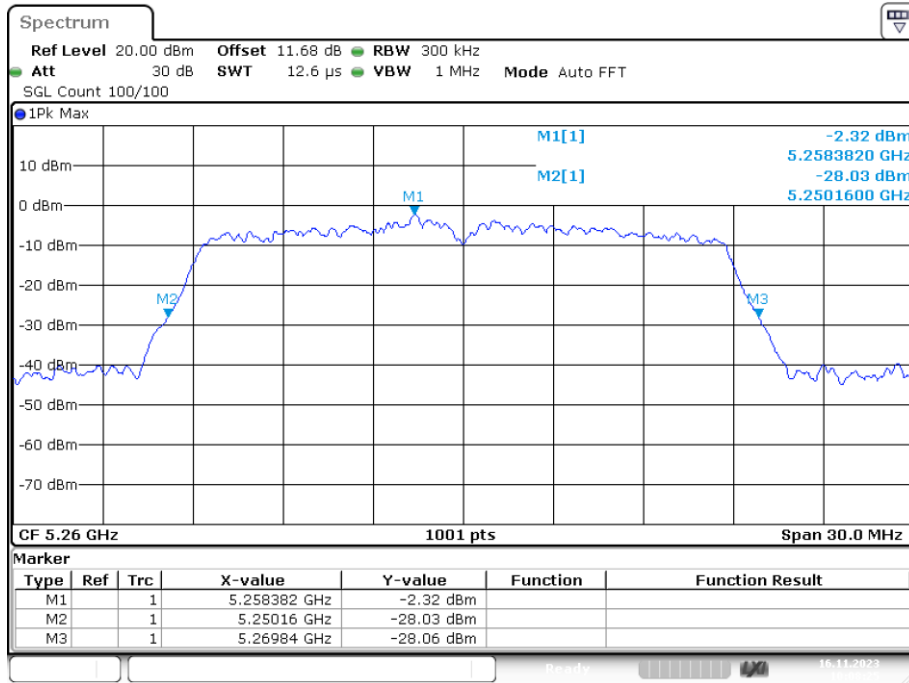
Date: 16.NOV.2023 09:30:50

-26dB Bandwidth NVNT a 5320MHz Ant1



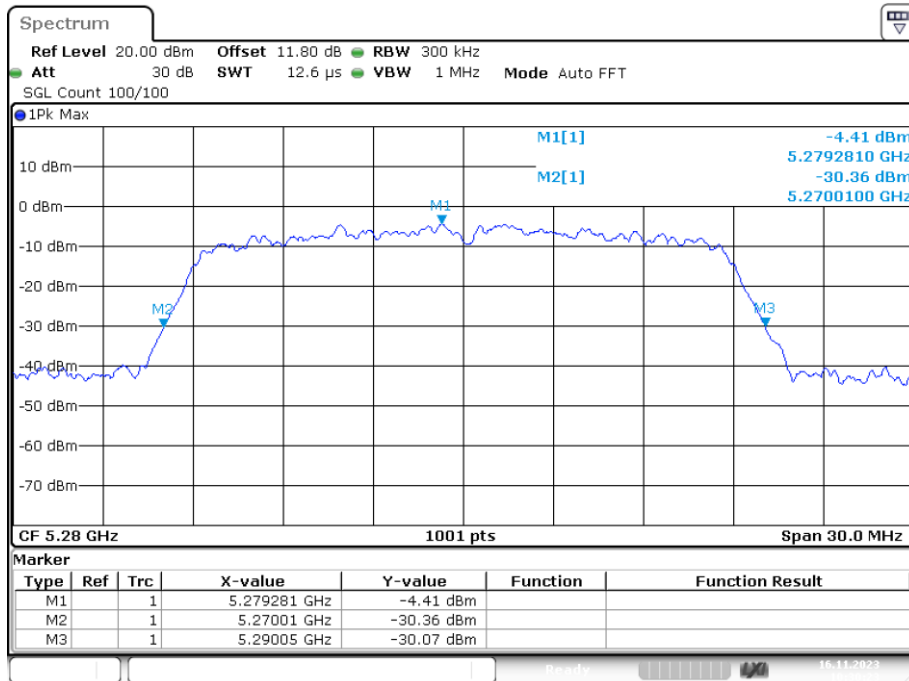
Date: 16.NOV.2023 09:34:33

-26dB Bandwidth NVNT ac20 5260MHz Ant1



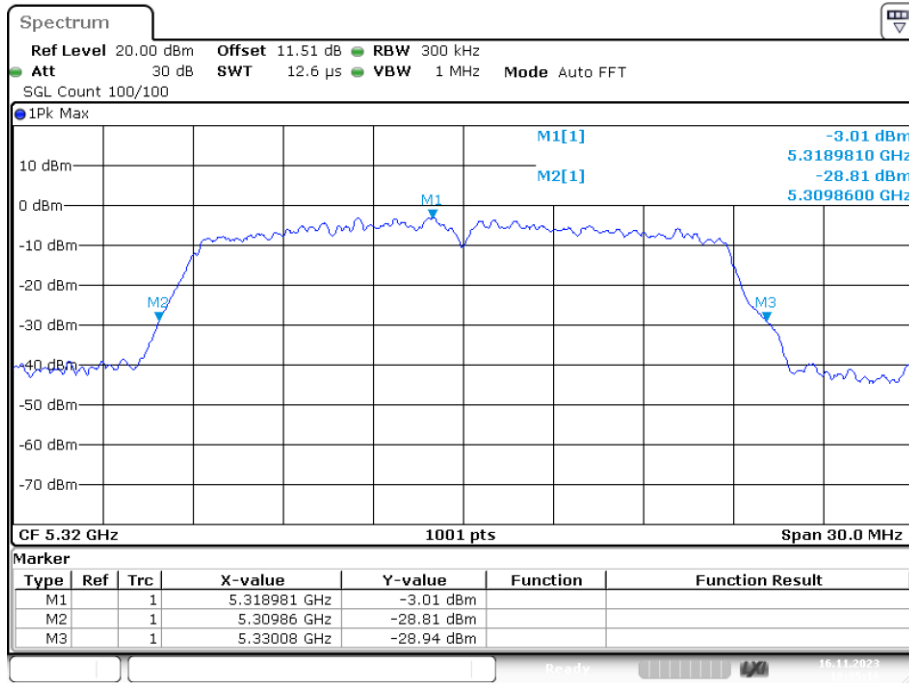
Date: 16.NOV.2023 10:08:25

-26dB Bandwidth NVNT ac20 5280MHz Ant1



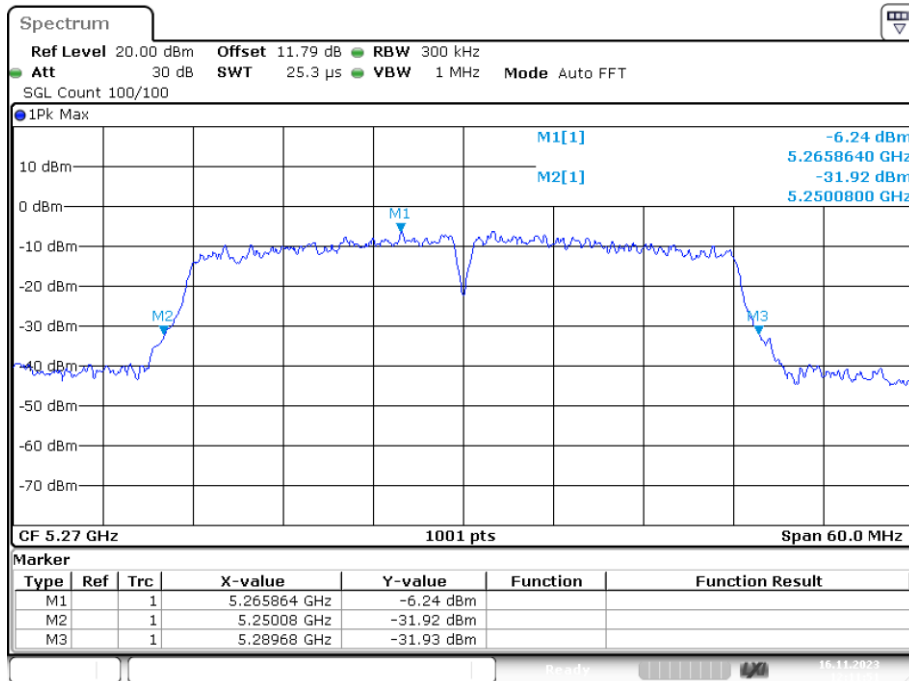
Date: 16.NOV.2023 10:30:22

-26dB Bandwidth NVNT ac20 5320MHz Ant1



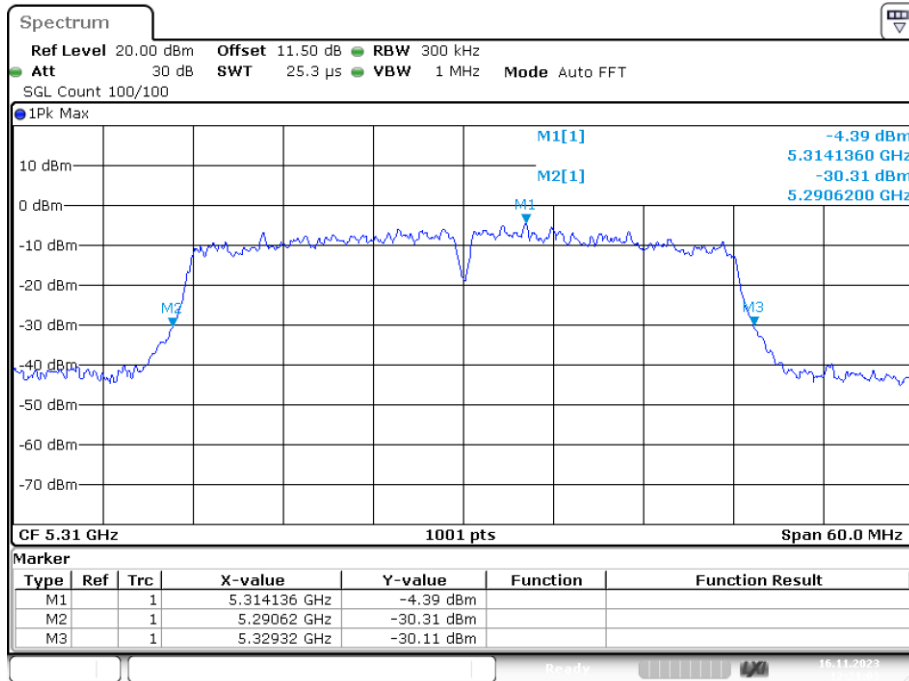
Date: 16.NOV.2023 10:35:16

-26dB Bandwidth NVNT ac40 5270MHz Ant1



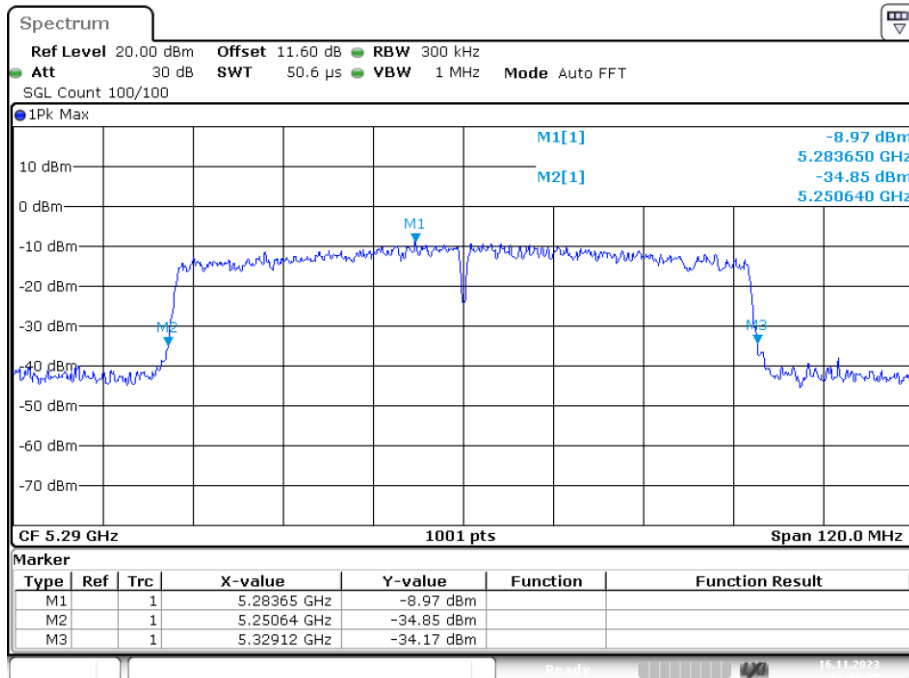
Date: 16.NOV.2023 12:11:51

-26dB Bandwidth NVNT ac40 5310MHz Ant1



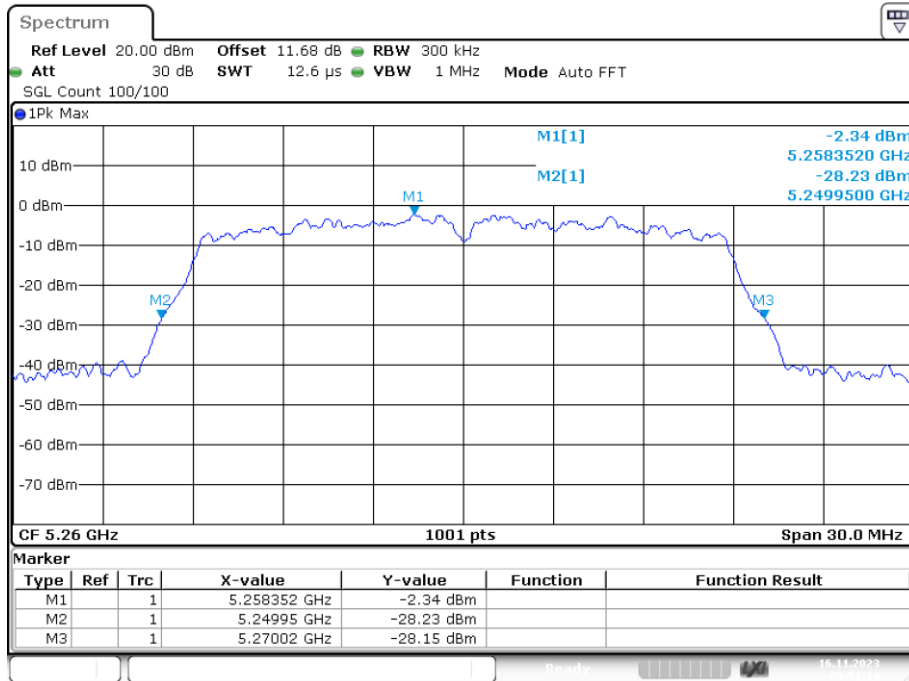
Date: 16.NOV.2023 12:21:03

-26dB Bandwidth NVNT ac80 5290MHz Ant1

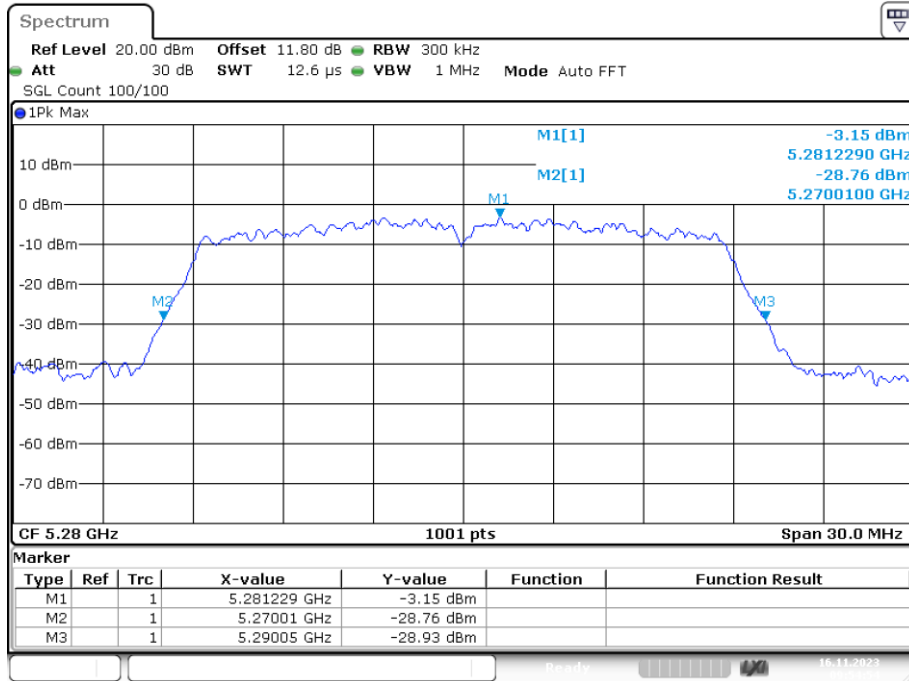


Date: 16.NOV.2023 12:30:56

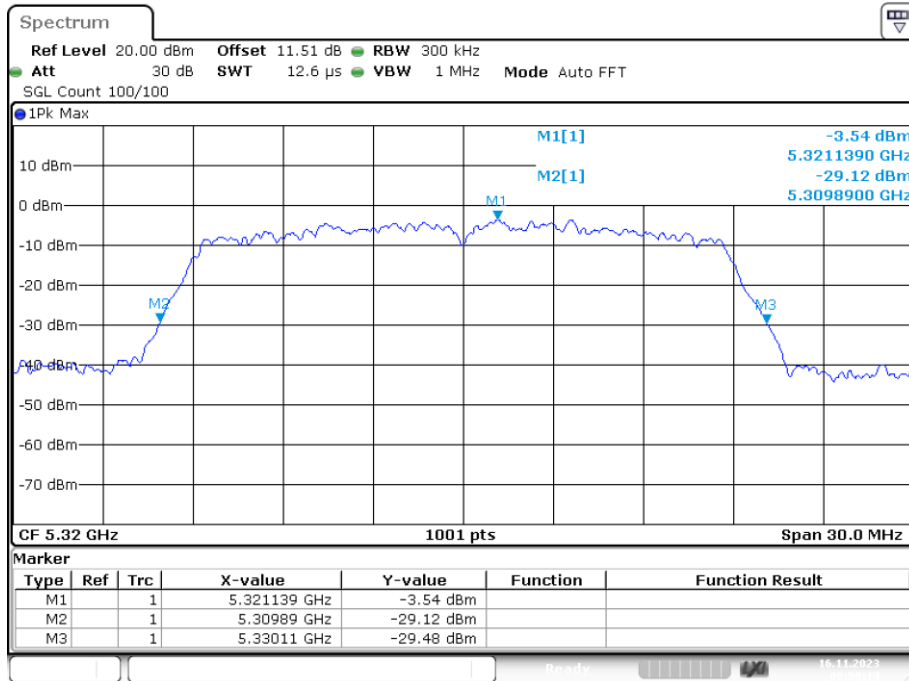
-26dB Bandwidth NVNT n20 5260MHz Ant1



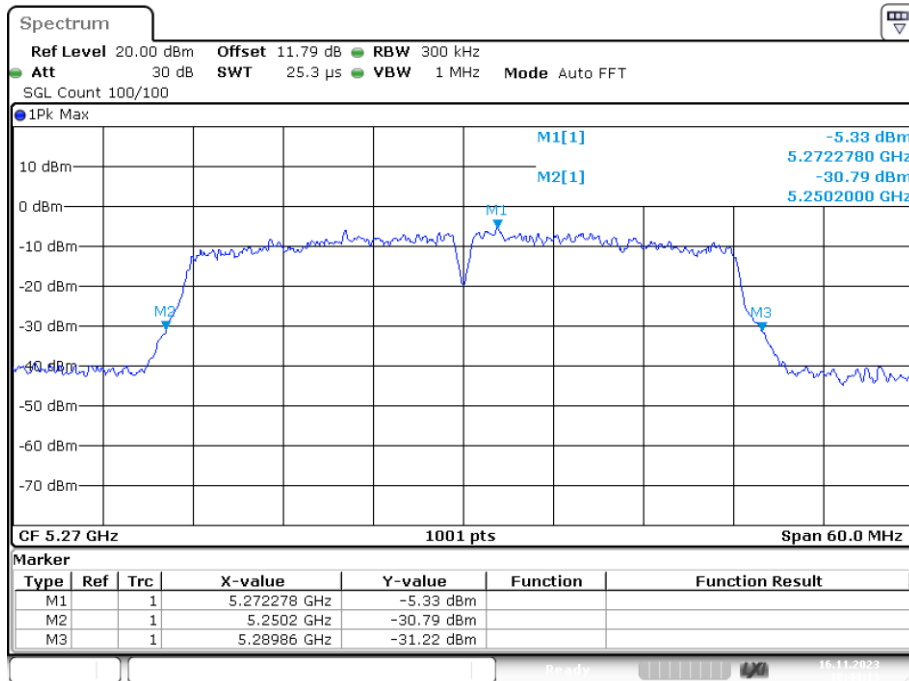
-26dB Bandwidth NVNT n20 5280MHz Ant1



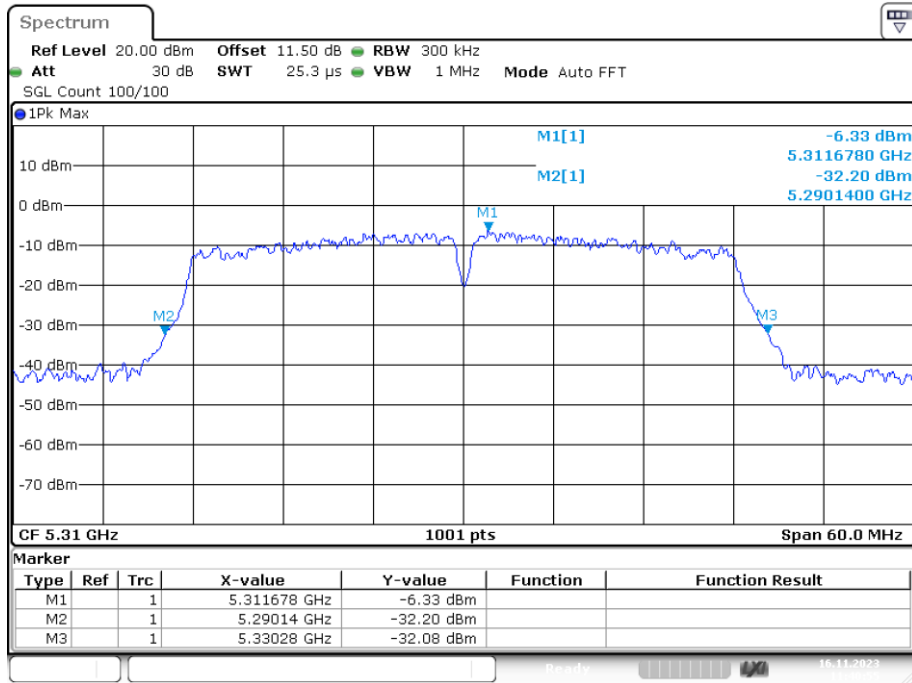
-26dB Bandwidth NVNT n20 5320MHz Ant1



-26dB Bandwidth NVNT n40 5270MHz Ant1



-26dB Bandwidth NVNT n40 5310MHz Ant1

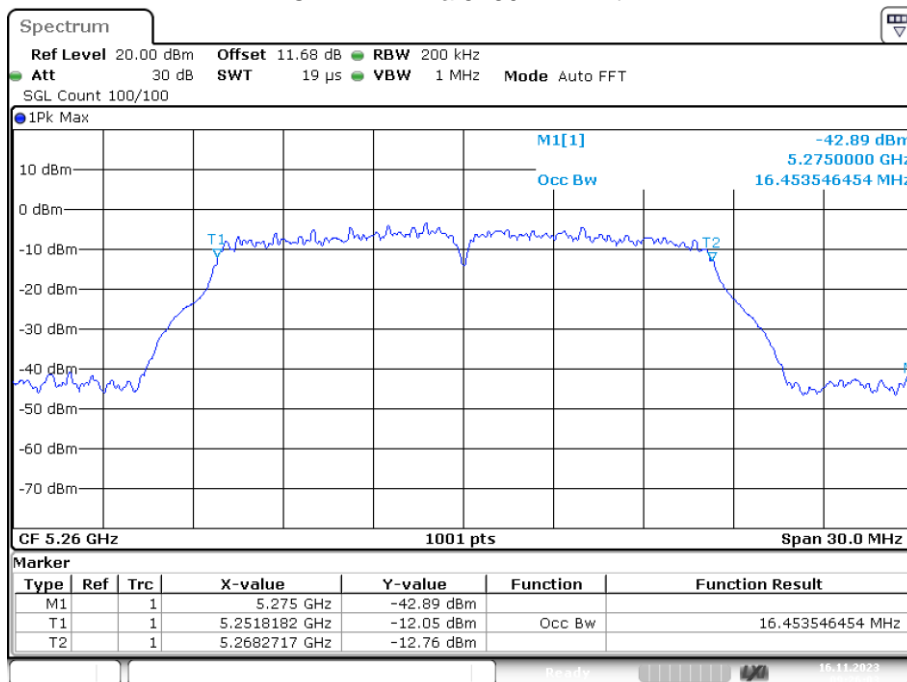


Date: 16.NOV.2023 11:40:55

Occupied Channel Bandwidth

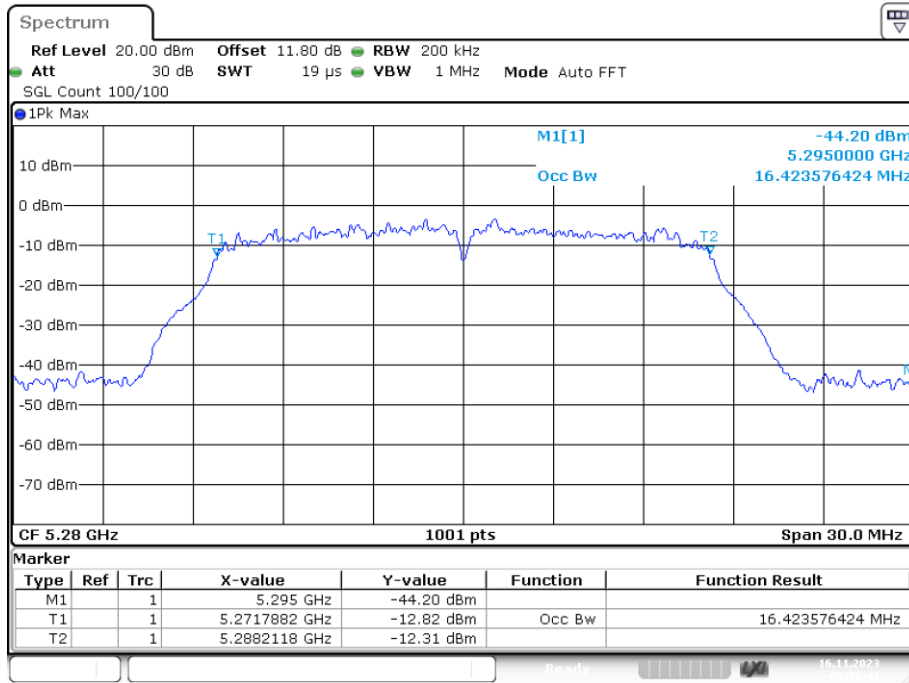
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5260	Ant1	16.454
NVNT	a	5280	Ant1	16.424
NVNT	a	5320	Ant1	16.693
NVNT	ac20	5260	Ant1	17.652
NVNT	ac20	5280	Ant1	17.502
NVNT	ac20	5320	Ant1	17.532
NVNT	ac40	5270	Ant1	35.784
NVNT	ac40	5310	Ant1	35.964
NVNT	ac80	5290	Ant1	75.405
NVNT	n20	5260	Ant1	17.622
NVNT	n20	5280	Ant1	17.562
NVNT	n20	5320	Ant1	17.562
NVNT	n40	5270	Ant1	36.024
NVNT	n40	5310	Ant1	36.024

OBW NVNT a 5260MHz Ant1

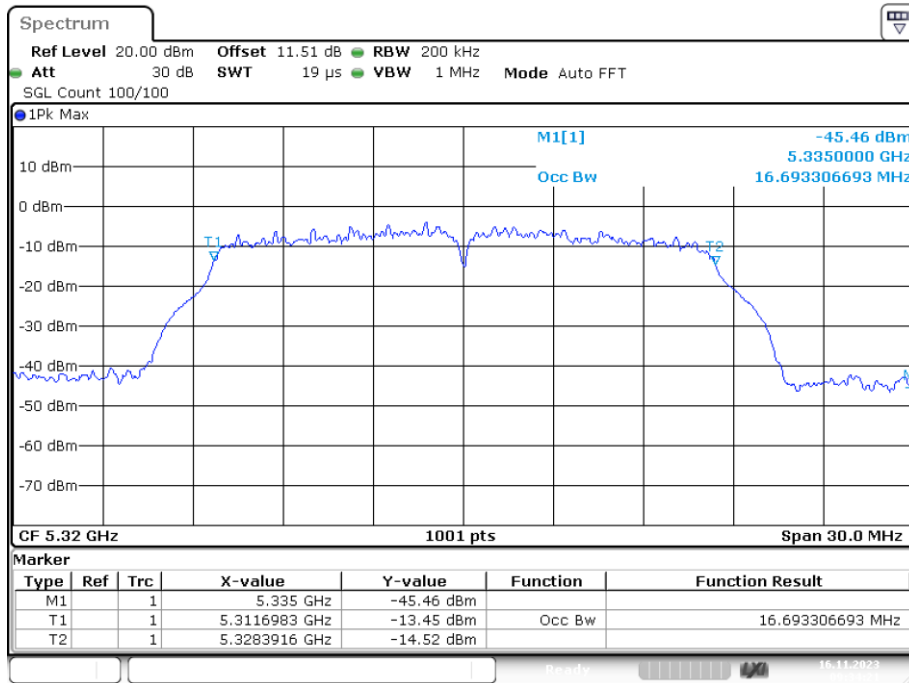


Date: 16.NOV.2023 09:26:02

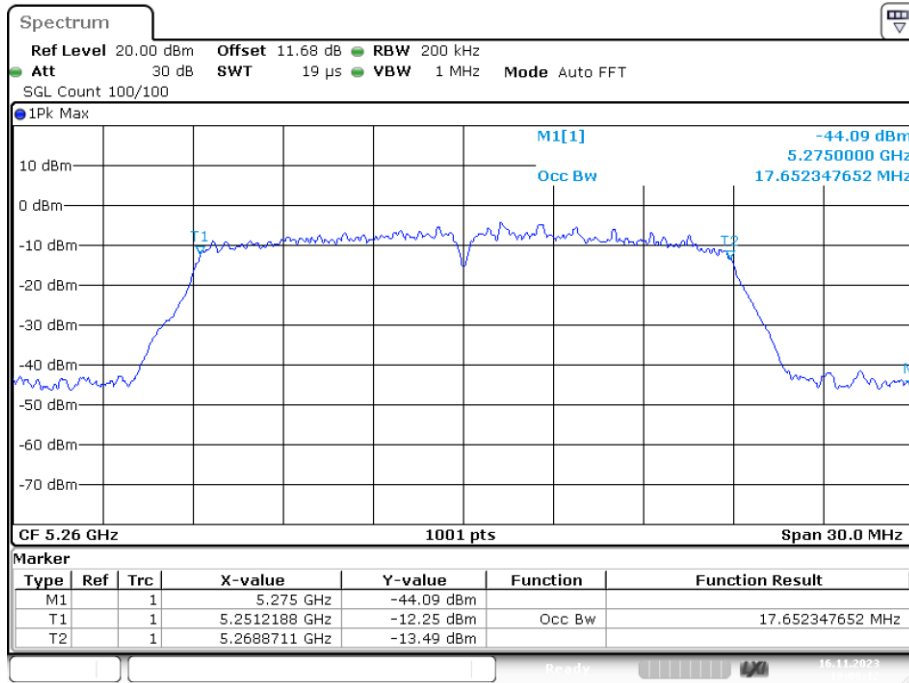
OBW NVNT a 5280MHz Ant1



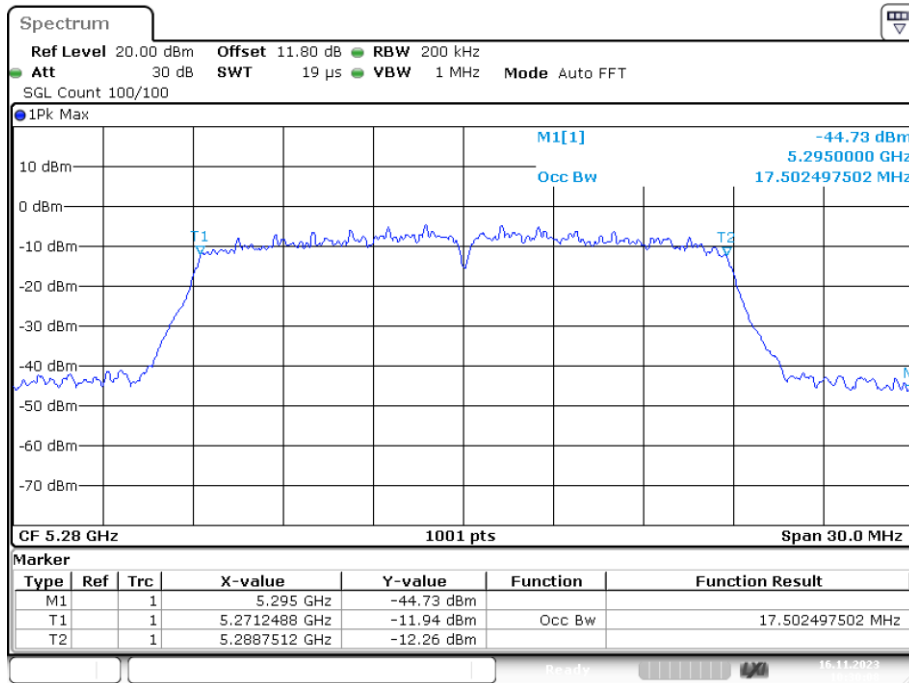
OBW NVNT a 5320MHz Ant1



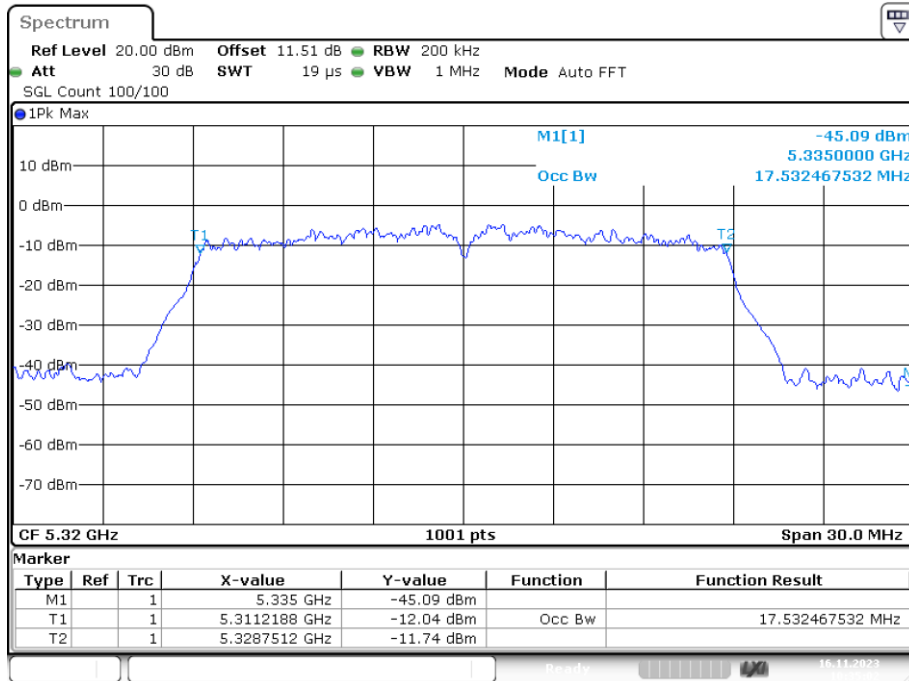
OBW NVNT ac20 5260MHz Ant1



OBW NVNT ac20 5280MHz Ant1

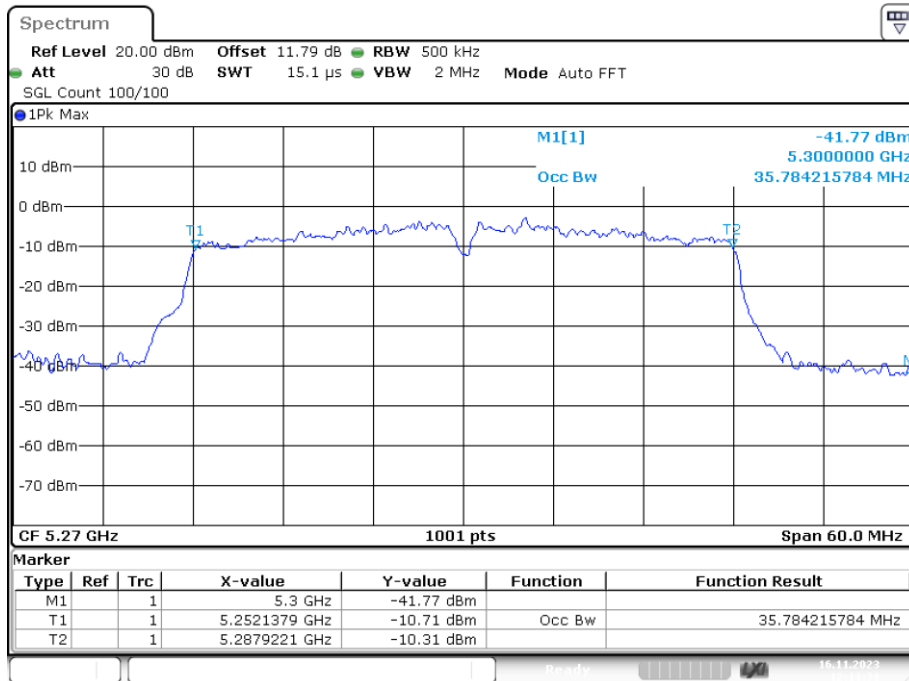


OBW NVNT ac20 5320MHz Ant1



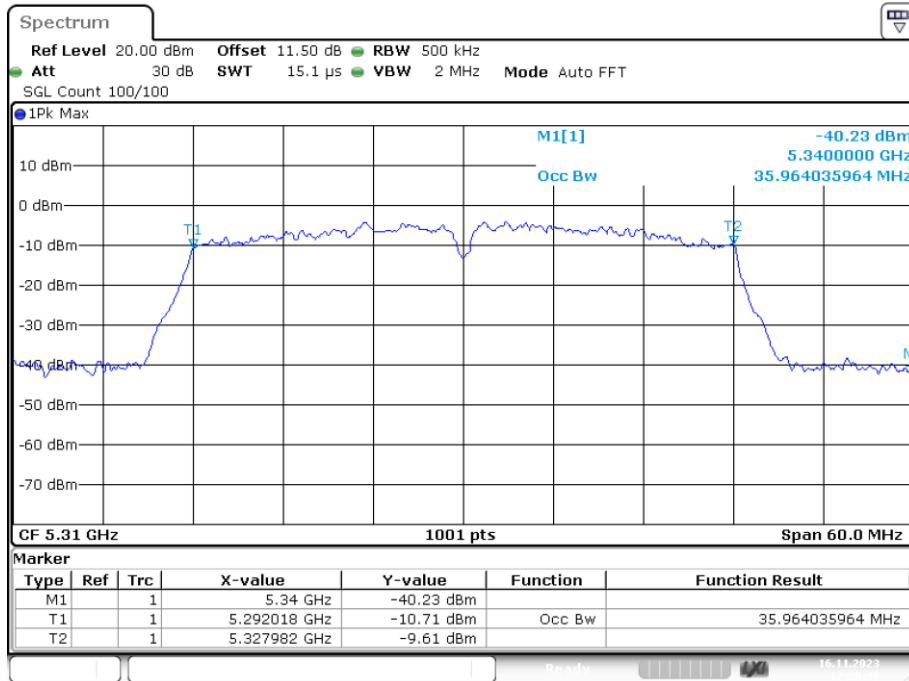
Date: 16.NOV.2023 10:35:02

OBW NVNT ac40 5270MHz Ant1



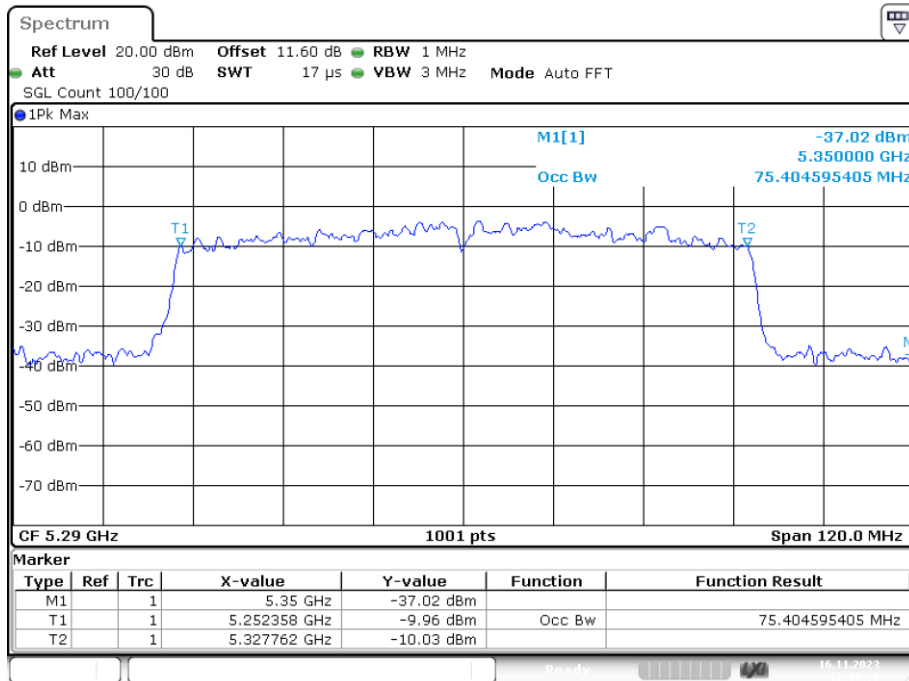
Date: 16.NOV.2023 12:11:30

OBW NVNT ac40 5310MHz Ant1



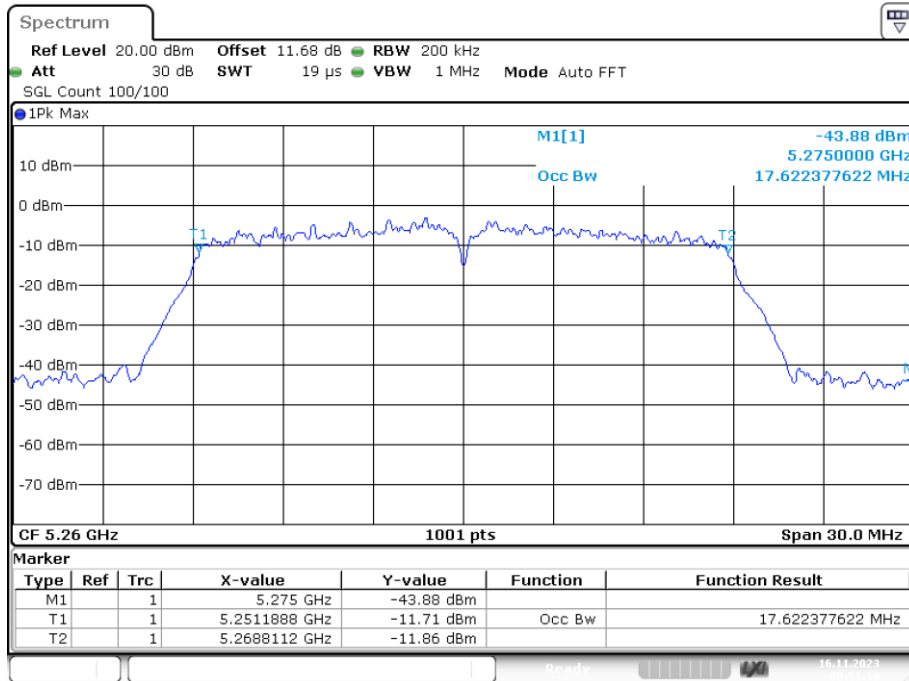
Date: 16.NOV.2023 12:20:38

OBW NVNT ac80 5290MHz Ant1

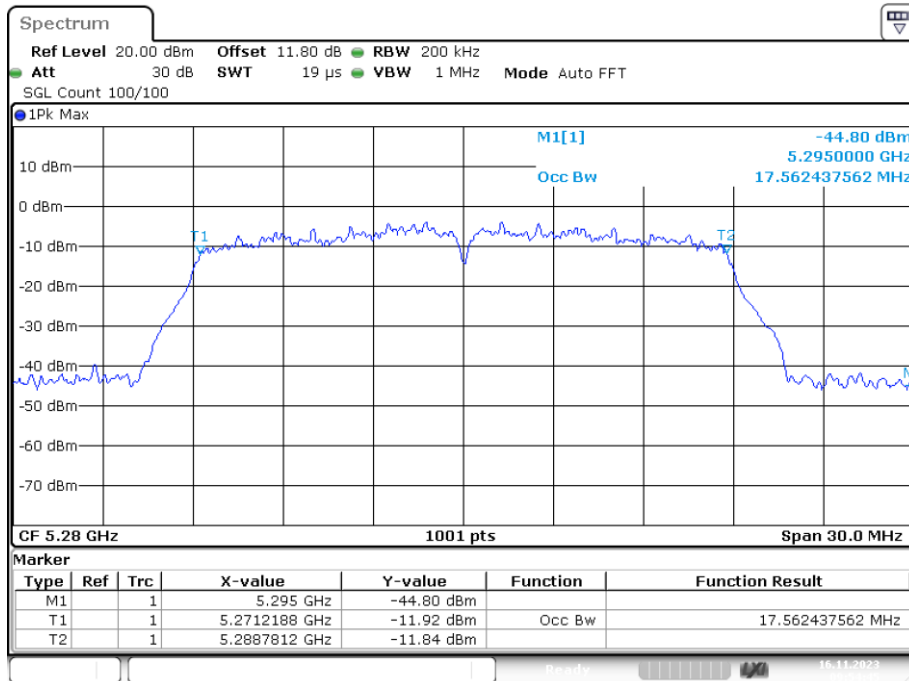


Date: 16.NOV.2023 12:30:36

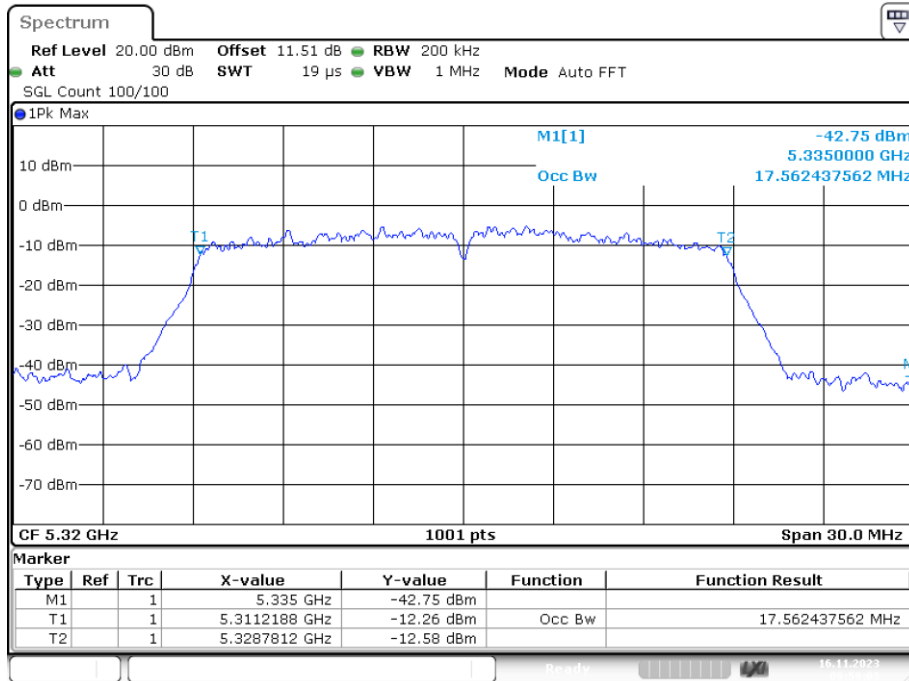
OBW NVNT n20 5260MHz Ant1



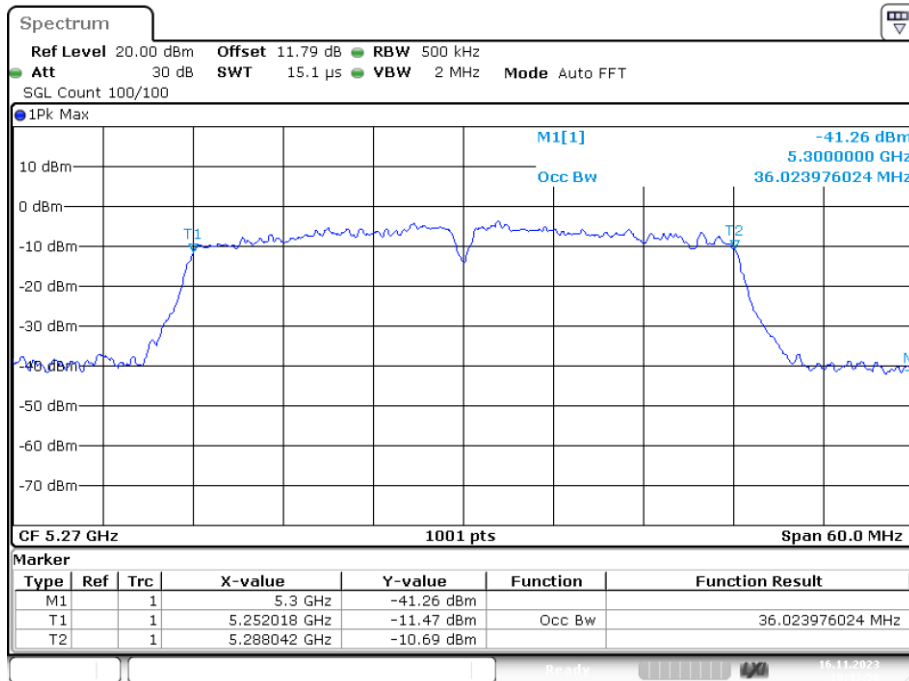
OBW NVNT n20 5280MHz Ant1



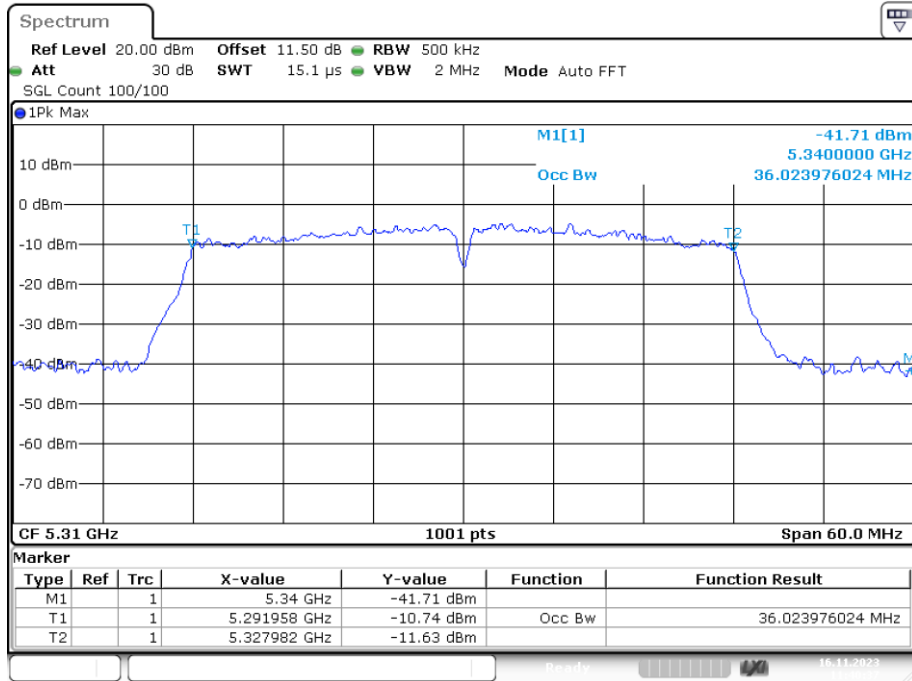
OBW NVNT n20 5320MHz Ant1



OBW NVNT n40 5270MHz Ant1



OBW NVNT n40 5310MHz Ant1

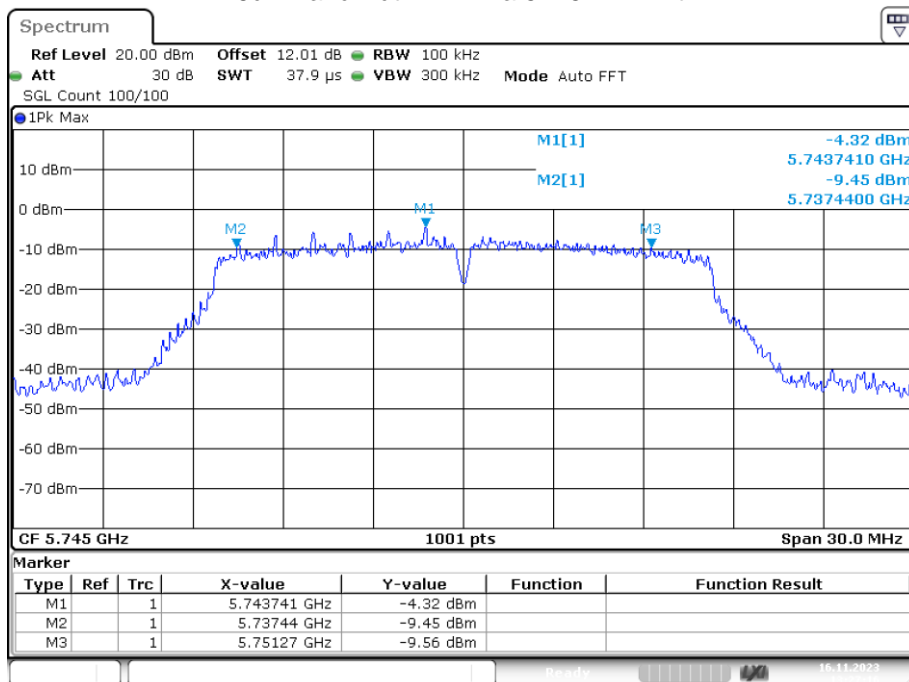


Date: 16.NOV.2023 11:40:37

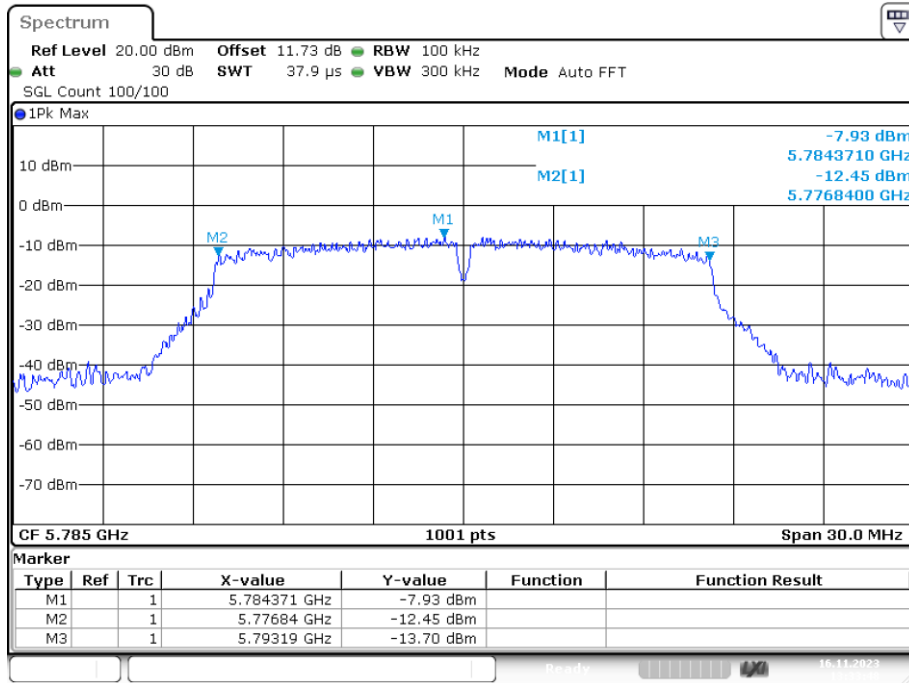
**Band 4 (5725-5850 MHz):
-6dB Bandwidth**

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	13.83	0.5	Pass
NVNT	a	5785	Ant1	16.35	0.5	Pass
NVNT	a	5825	Ant1	16.38	0.5	Pass
NVNT	ac20	5745	Ant1	15.09	0.5	Pass
NVNT	ac20	5785	Ant1	17.52	0.5	Pass
NVNT	ac20	5825	Ant1	15.06	0.5	Pass
NVNT	ac40	5755	Ant1	31.56	0.5	Pass
NVNT	ac40	5795	Ant1	35.94	0.5	Pass
NVNT	ac80	5775	Ant1	75.12	0.5	Pass
NVNT	n20	5745	Ant1	17.31	0.5	Pass
NVNT	n20	5785	Ant1	16.2	0.5	Pass
NVNT	n20	5825	Ant1	15.06	0.5	Pass
NVNT	n40	5755	Ant1	31.38	0.5	Pass
NVNT	n40	5795	Ant1	35.04	0.5	Pass

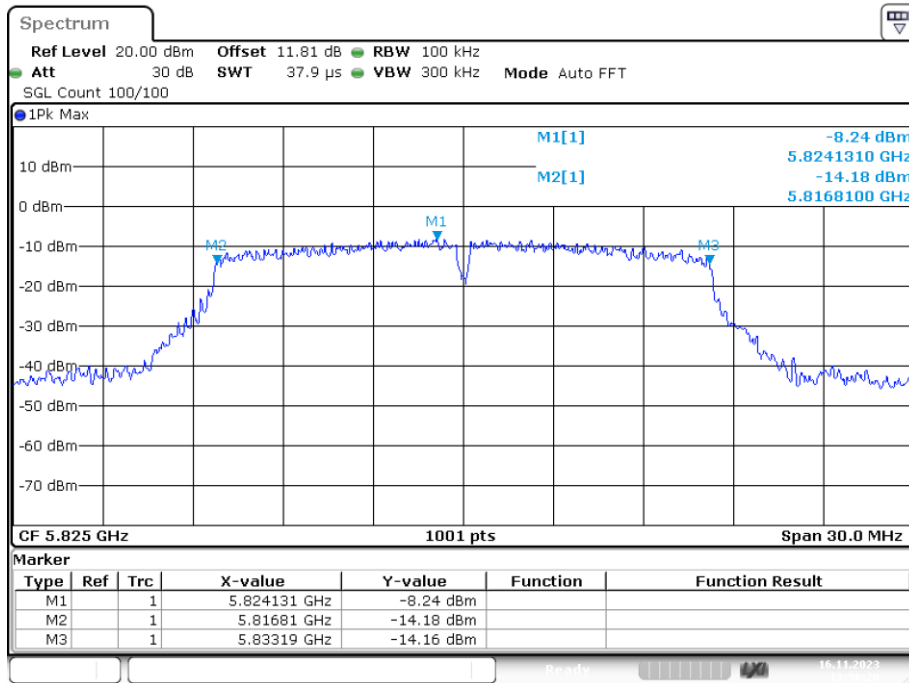
-6dB Bandwidth NVNT a 5745MHz Ant1



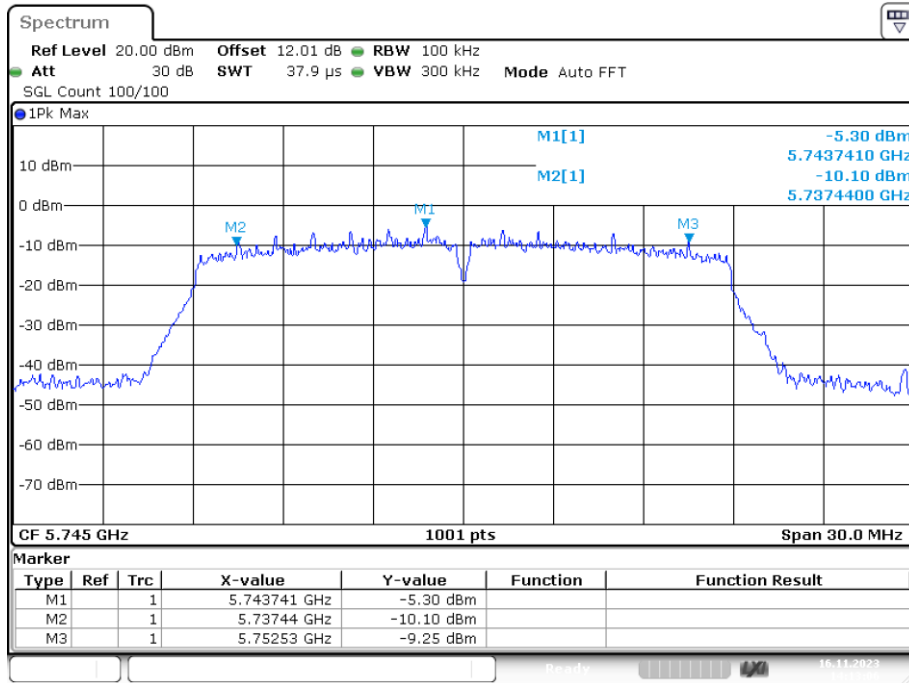
-6dB Bandwidth NVNT a 5785MHz Ant1



-6dB Bandwidth NVNT a 5825MHz Ant1

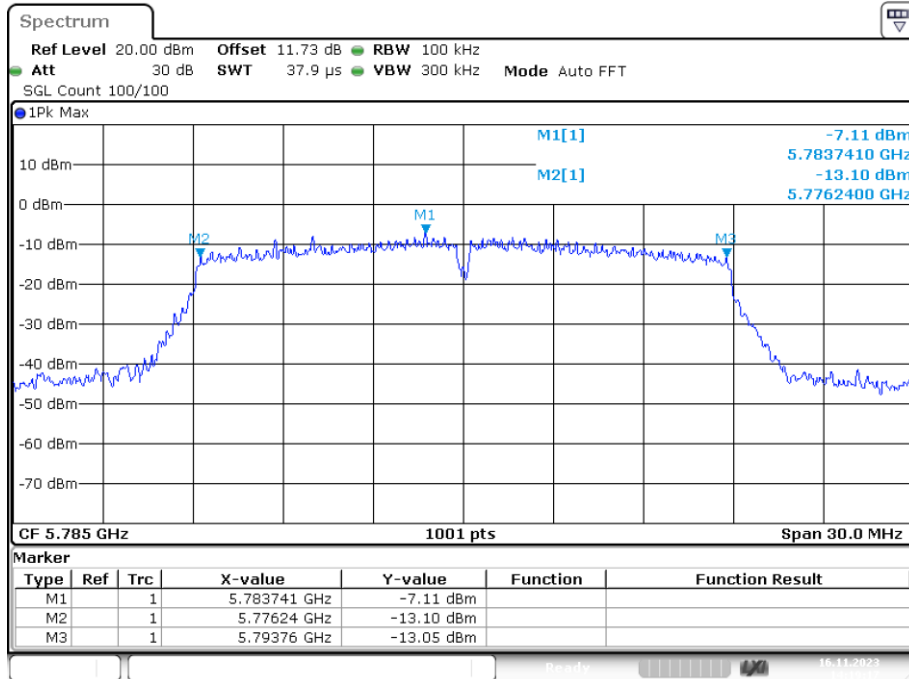


-6dB Bandwidth NVNT ac20 5745MHz Ant1



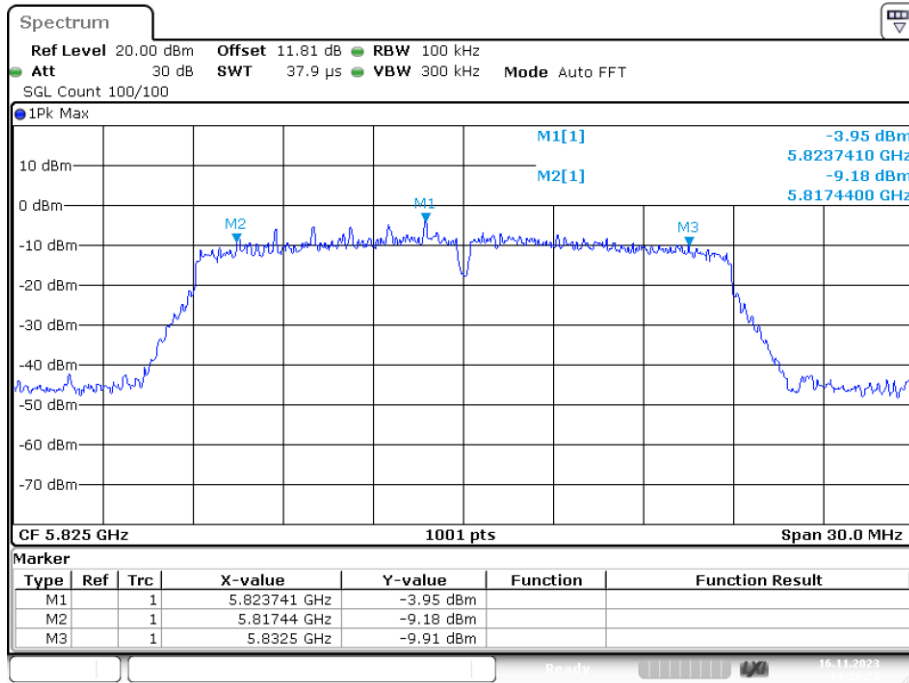
Date: 16.NOV.2023 14:13:06

-6dB Bandwidth NVNT ac20 5785MHz Ant1



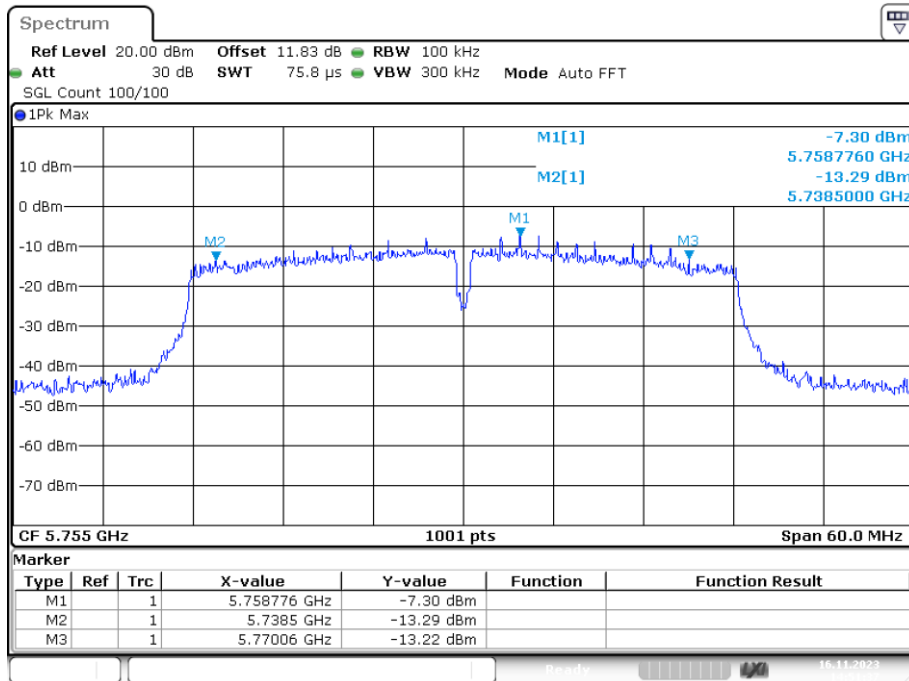
Date: 16.NOV.2023 14:19:17

-6dB Bandwidth NVNT ac20 5825MHz Ant1



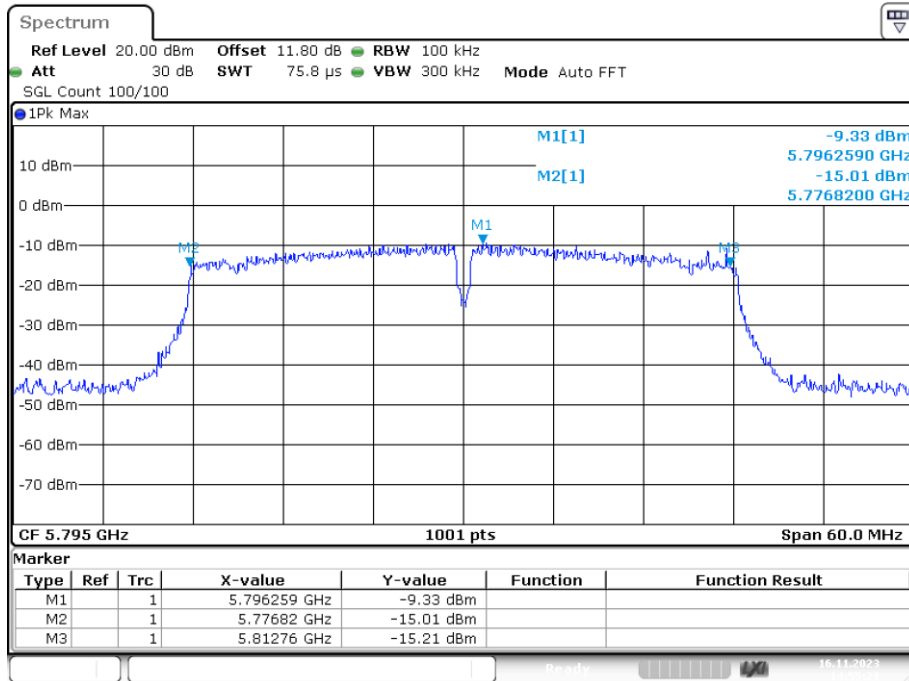
Date: 16.NOV.2023 14:28:22

-6dB Bandwidth NVNT ac40 5755MHz Ant1

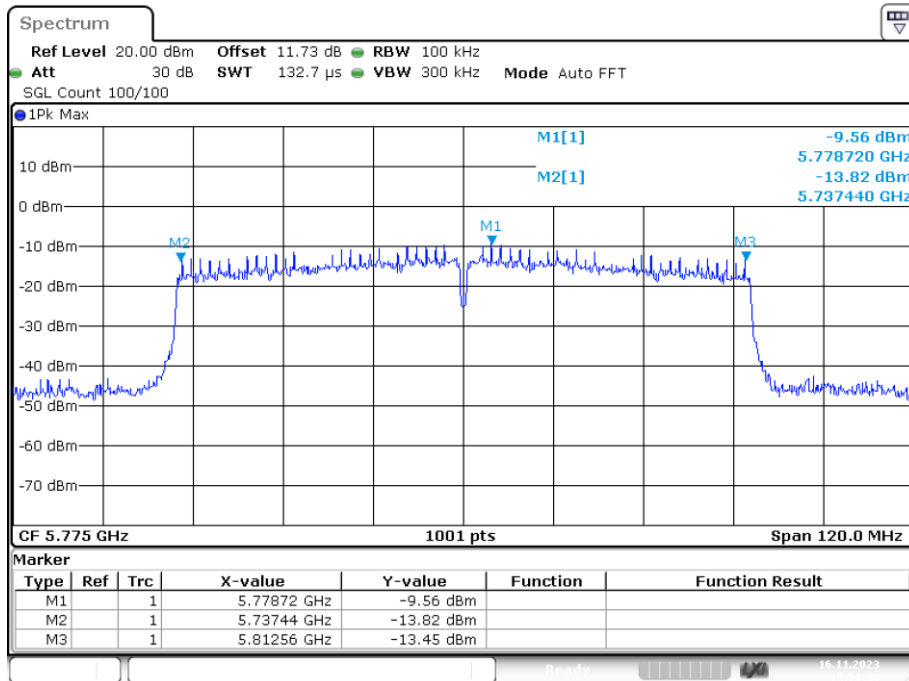


Date: 16.NOV.2023 14:51:37

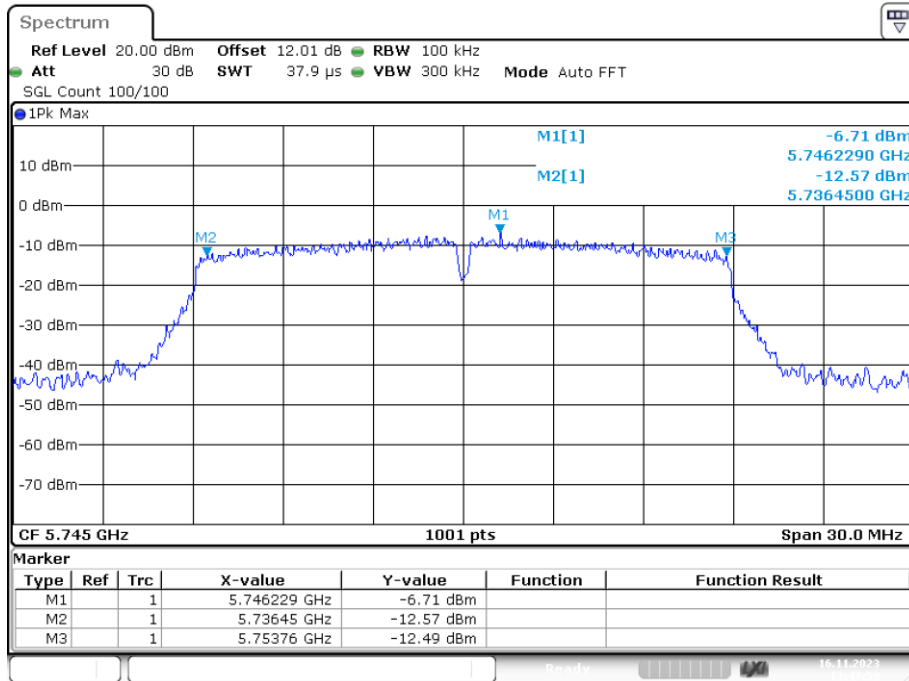
-6dB Bandwidth NVNT ac40 5795MHz Ant1



-6dB Bandwidth NVNT ac80 5775MHz Ant1

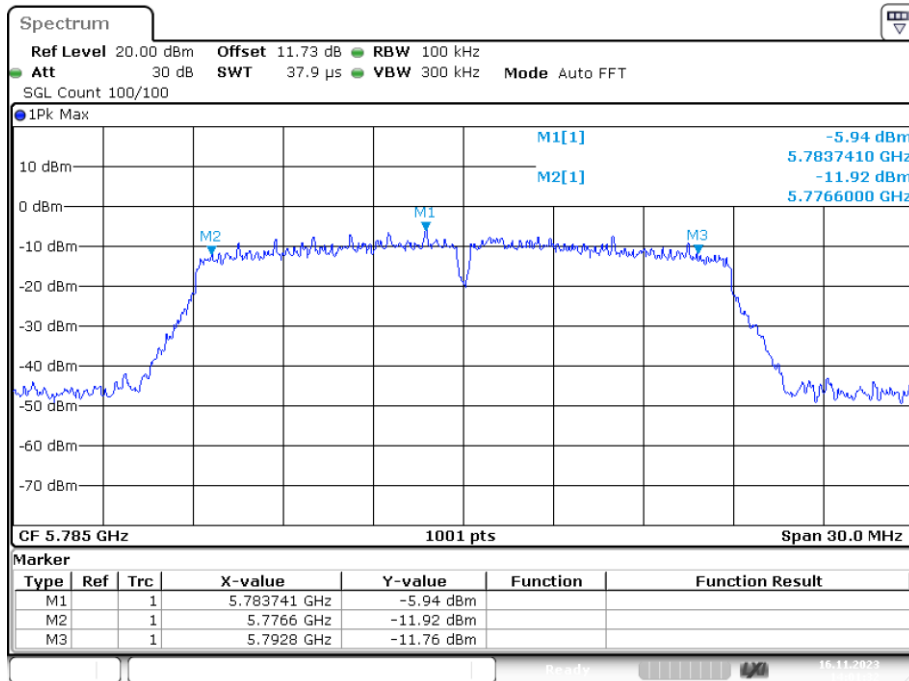


-6dB Bandwidth NVNT n20 5745MHz Ant1



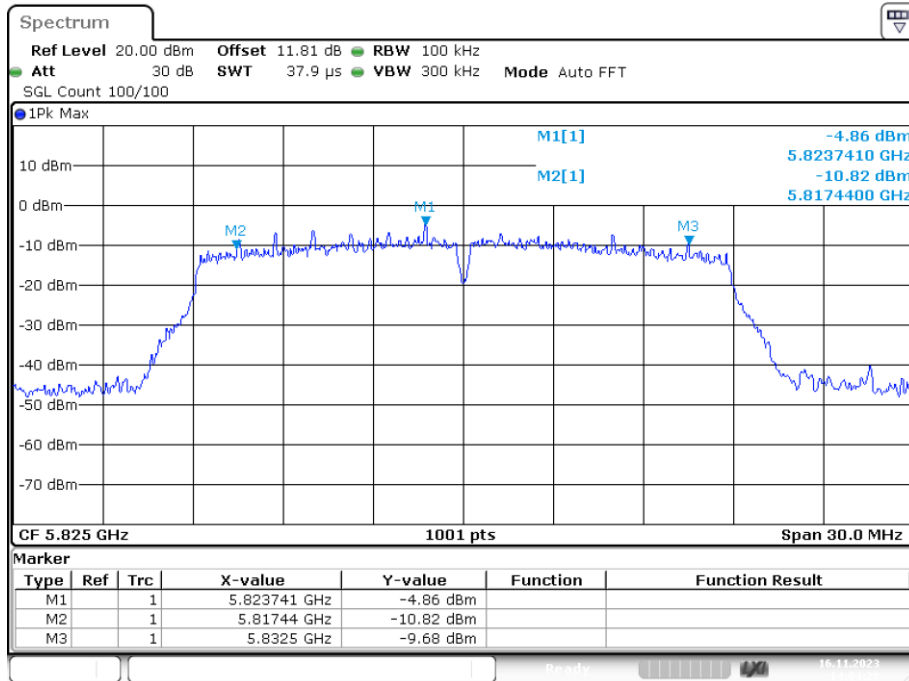
Date: 16.NOV.2023 13:47:59

-6dB Bandwidth NVNT n20 5785MHz Ant1



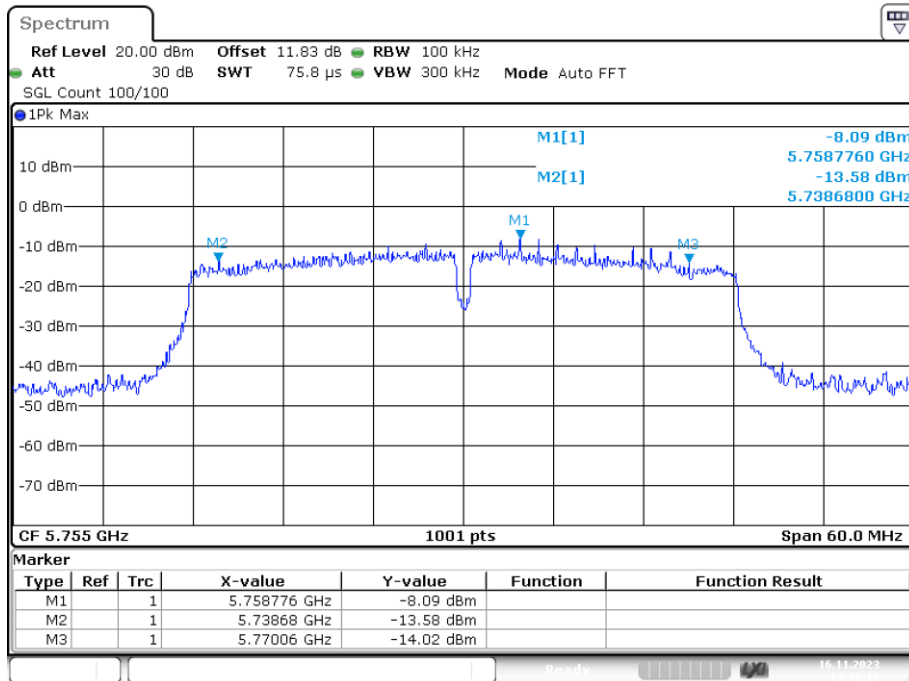
Date: 16.NOV.2023 14:01:32

-6dB Bandwidth NVNT n20 5825MHz Ant1



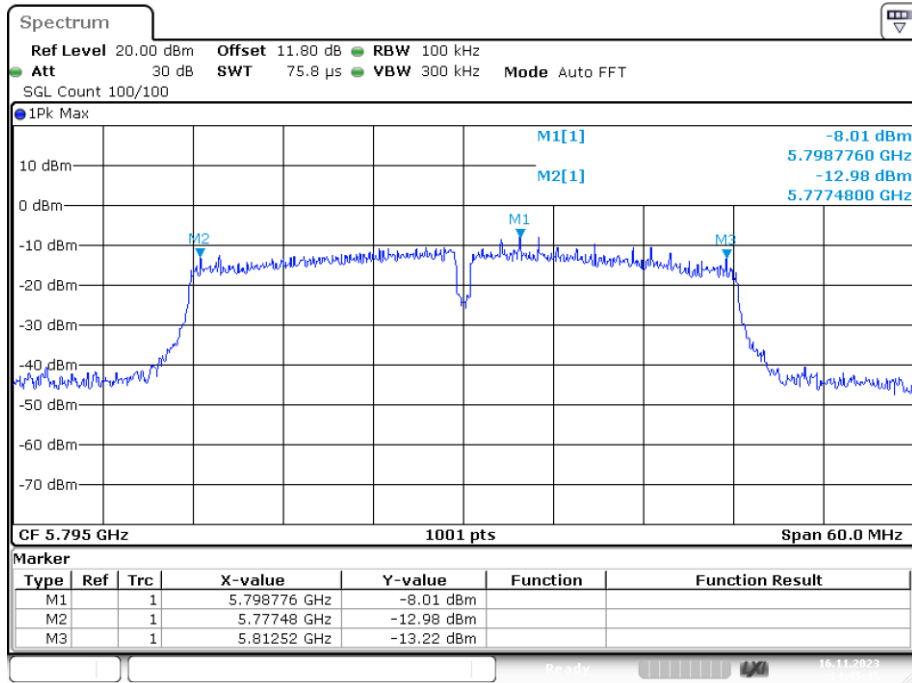
Date: 16.NOV.2023 14:04:27

-6dB Bandwidth NVNT n40 5755MHz Ant1



Date: 16.NOV.2023 14:42:18

-6dB Bandwidth NVNT n40 5795MHz Ant1



Date: 16.NOV.2023 14:45:45