



FCC&IC TEST REPORT

FCC ID: 2A6KK-HV10

IC: 30008-HV10

On Behalf of

SHENZHEN WOPET SMART TECHNOLOGY CO., LTD.

WiFi Automatic Pet Feeder

Model No.: HA10DP, FW50D Plus, HV10, HV10DP, HA10P

Prepared for : SHENZHEN WOPET SMART TECHNOLOGY CO., LTD.
ROOM 923, BLOCK A, ECONOMIC BUILDING, HUAFENG,
Address : HEADQUARTERS NO. 288, XIXIANG AVENUE, LAODONG
COMMUNITY, XIXIANG STREET, BAOAN DISTRICT,
SHENZHEN 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 : A2311277-C01-R08
Date of Receipt : December 1, 2023
Date of Test : December 1, 2023 - January 15, 2024
Date of Report : January 15, 2024
Version Number : V0
Result Pass

TABLE OF CONTENTS

	Description	Page
1	TEST SUMMARY	5
1.1	MEASUREMENT UNCERTAINTY	5
2	GENERAL INFORMATION	6
2.1	GENERAL DESCRIPTION OF EUT	6
2.2	TEST MODE	7
2.3	TEST FACILITY.....	7
2.4	DESCRIPTION OF SUPPORT UNITS.....	7
2.5	DEVIATION FROM STANDARDS.....	7
2.6	ABNORMALITIES FROM STANDARD CONDITIONS	7
2.7	OTHER INFORMATION REQUESTED BY THE CUSTOMER.....	7
2.8	ADDITIONAL INSTRUCTIONS	7
3	TEST INSTRUMENTS LIST	8
4	TEST RESULTS AND MEASUREMENT DATA	9
4.1	ANTENNA REQUIREMENT:	9
4.2	CONDUCTED EMISSIONS	10
4.3	EMISSION BANDWIDTH AND 99% OCCUPIED BANDWIDTH	13
4.4	PEAK TRANSMIT POWER.....	46
4.5	POWER SPECTRAL DENSITY	67
4.6	BAND EDGE.....	84
4.7	RADIATED EMISSION.....	96
4.8	FREQUENCY STABILITY	105

TEST REPORT DECLARATION

Applicant : SHENZHEN WOPET SMART TECHNOLOGY CO., LTD.
Address : ROOM 923, BLOCK A, ECONOMIC BUILDING, HUAFENG, HEADQUARTERS
NO. 288, XIXIANG AVENUE, LAODONG COMMUNITY, XIXIANG STREET,
BAOAN DISTRICT, SHENZHEN CHINA
Manufacturer : SHENZHEN WOPET SMART TECHNOLOGY CO., LTD.
Address : ROOM 923, BLOCK A, ECONOMIC BUILDING, HUAFENG, HEADQUARTERS
NO. 288, XIXIANG AVENUE, LAODONG COMMUNITY, XIXIANG STREET,
BAOAN DISTRICT, SHENZHEN CHINA
EUT Description : WiFi Automatic Pet Feeder
(A) Model No. : HA10DP, FW50D Plus, HV10, HV10DP, HA10P
(B) Trademark : N/A

Measurement Standard Used:

FCC Rules and Regulations Part 15 Subpart E

RSS-247 Issue 2, ANSI C63.4:2014, ANSI C63.10:2013

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 C 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.....:

January 15, 2024

Revision History

Revision	Issue Date	Revisions	Revised By
V0	January 15, 2024	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 Issue 5, ANSI C63.10	PASS
Peak Transmit Power	Section 15.407(a), RSS-247 Issue 2	PASS
Power Spectral Density	Section 15.407(a), RSS-247 Issue 2	PASS
Undesirable Emission	Section 15.407(b), RSS-247 Issue 2	PASS
26dB/6dB&99% Bandwidth	Section 15.407, RSS-Gen Issue 5	PASS
Radiated Emission	Section 15.407(b)&15.209 Section 5.5 RSS-Gen Issue 5, RSS-247 Issue 2, 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: Pass: The EUT complies with the essential requirements in the standard.

Frequency Stability: The manufacturer stated in the user's manual.

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	: WiFi Automatic Pet Feeder
Model No.	: HA10DP, FW50D Plus, HV10, HV10DP, HA10P
DIFF.	: There is no difference between HA10DP, HV10, HV10DP, and HA10P, except for the feeding method and capacity size. The circuit and principle are the same. There is no other difference between HA10DP and FW50D Plus except for the model name. All tests are made with the HA10DP model.
Power supply	: DC 5V from adapter.

Radio Technology	: 5G WIFI
Operation Frequency	: 802.11a/n(HT20): 5180~5240MHz; 5260-5320MHz; 5500-5700MHz; 5745~5825MHz 802.11n(HT40): 5190~5230MHz; 5260-5320MHz; 5510-5670MHz; 5755~5795MHz
Channel separation	: 20MHz for 802.11a/ 802.11n(HT20) 40MHz for 802.11n(HT40)
Modulation technology:	: IEEE 802.11n: OFDM (64QAM, 16QAM,QPSK,BPSK) IEEE 802.11a: OFDM (64QAM, 16QAM,QPSK,BPSK)
Antenna Type	: Internal Antenna, max gain 2.64dBi
Software Version	: V1.0
Hardware version/FVIN	: V1.0
Intend use environment	: Residential, commercial and light industrial environment

Note: In this report, the main test model is HV10, and the main test model serial number is F0000001

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: 12135A

2.4 Description of Support Units

Accessories : ADAPTER
Manufacturer : andsmps
Model : AS011Z-0501000UU
Ratings : Input: 100-240V~ 50/60Hz 0.45A
 Output: 5.0V=1.0A

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	MWRFTtest	N/A	/	N/A	N/A	N/A
10dB Attenuator	Mini-Circuits	DC-6G	/	N/A	N/A	N/A

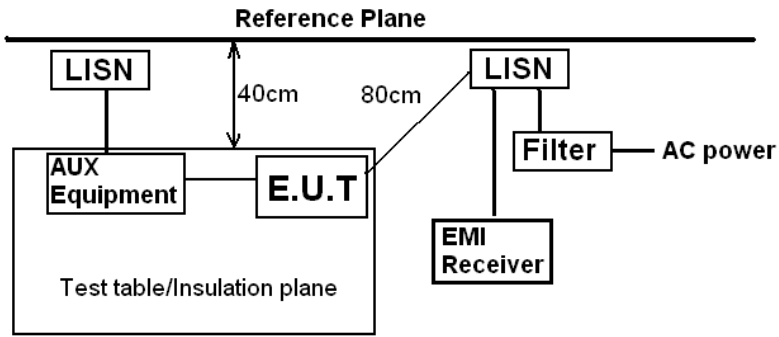
Software Information			
Test Item	Software Name	Manufacturer	Version
RE	EZ-EMC	Farad	Alpha-3A1
CE	EZ-EMC	Farad	Alpha-3A1
RF-CE	MTS 8310	MW	V2.0.0.0

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 2.64dBi for 5.15~5.25GHz, 5.25~5.35GHz , 5.47~5.725GHz, 5.725~5.85GHz	

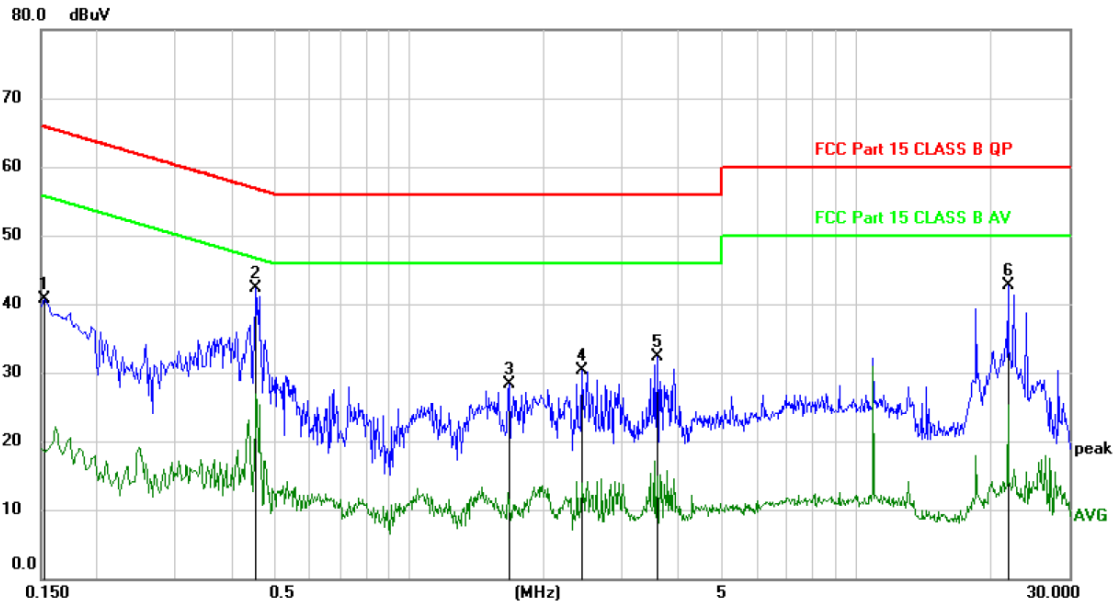
4.2 Conducted Emissions

Test Requirement:	FCC Part15 C Section 15.207, RSS-Gen §8.8		
Test Method:	ANSI C63.10:2013		
Test Frequency Range:	150KHz to 30MHz		
Class / Severity:	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 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:

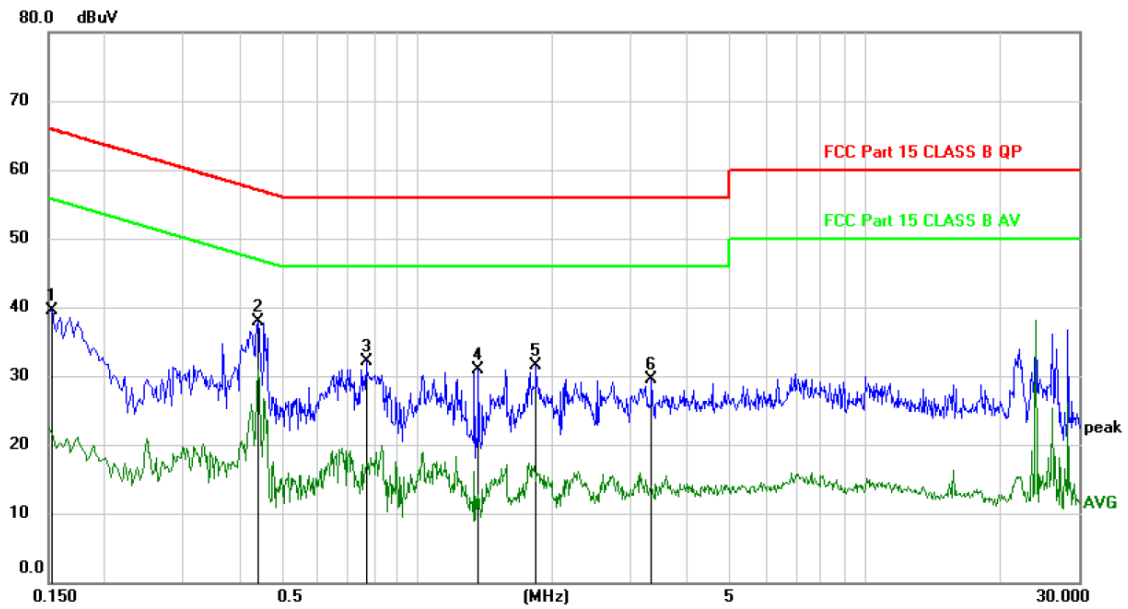


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1530	30.73	9.94	40.67	65.84	-25.17	peak	
2	*	0.4560	32.36	9.95	42.31	56.77	-14.46	peak	
3		1.6740	18.32	9.89	28.21	56.00	-27.79	peak	
4		2.4420	20.44	9.90	30.34	56.00	-25.66	peak	
5		3.5940	22.43	9.96	32.39	56.00	-23.61	peak	
6		21.8490	32.19	10.46	42.65	60.00	-17.35	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.	Reading	Correct	Measure-	Limit	Margin		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB	dBuV	dBuV	dB		
1		0.1530	29.65	9.94	39.59	65.84	-26.25	peak	
2	*	0.4410	27.97	9.95	37.92	57.04	-19.12	peak	
3		0.7710	22.22	9.94	32.16	56.00	-23.84	peak	
4		1.3710	21.06	9.89	30.95	56.00	-25.05	peak	
5		1.8420	21.61	9.89	31.50	56.00	-24.50	peak	
6		3.3330	19.56	9.95	29.51	56.00	-26.49	peak	

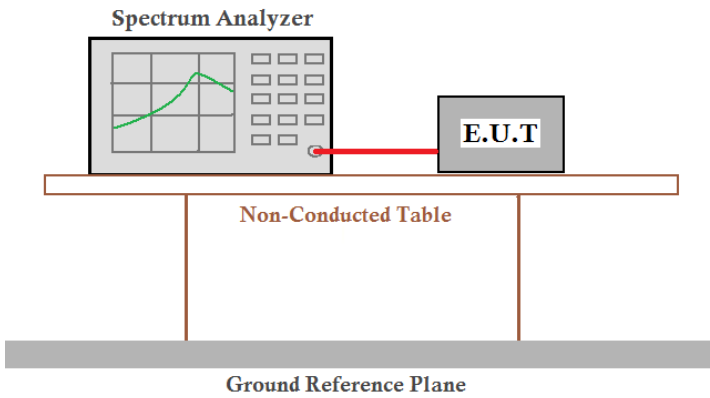
*:Maximum data x:Over limit !:over margin

(Reference Only)

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

Note: Test result for 802.11a (5180MHz), AC 120V/ 60Hz

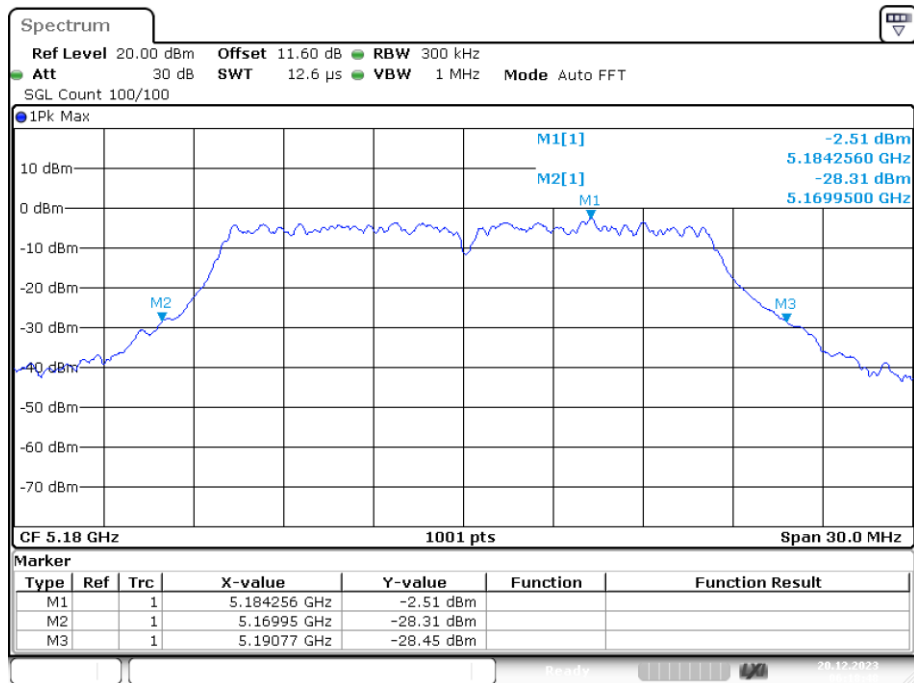
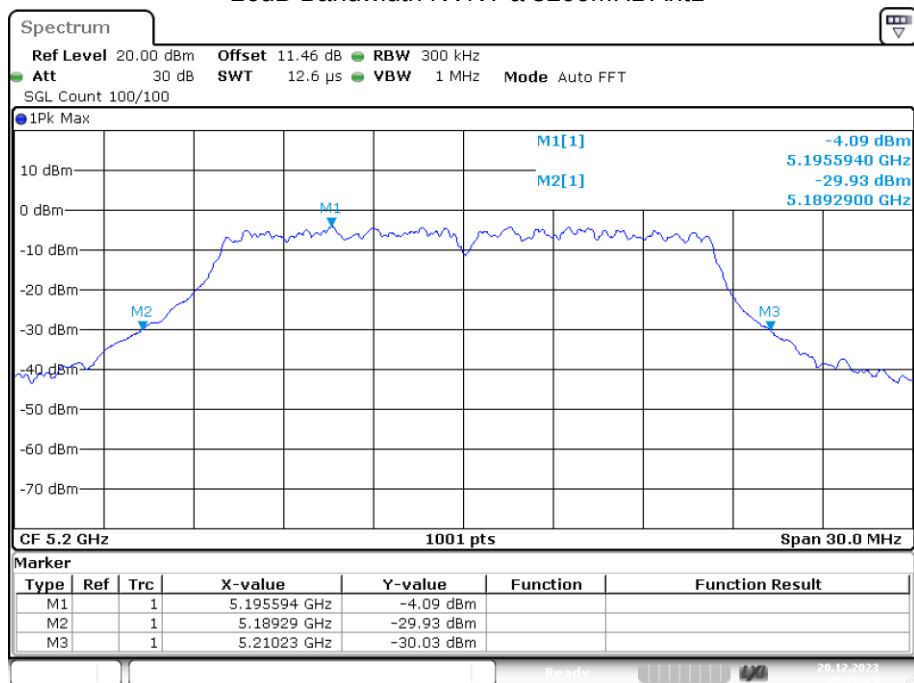
4.3 Emission Bandwidth and 99% Occupied Bandwidth

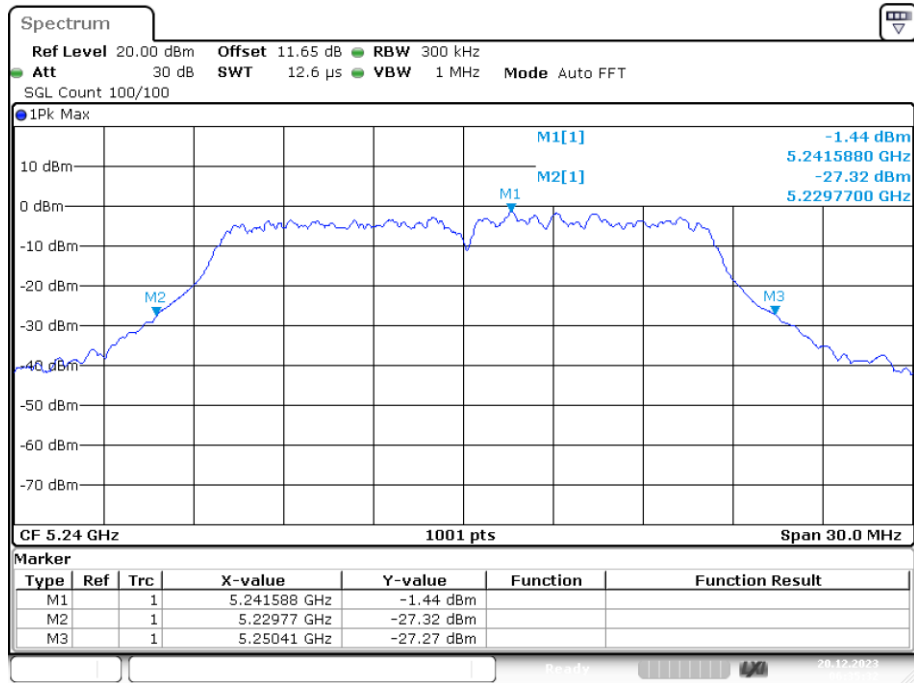
Test Requirement:	FCC Part15 E Section 15.407, RSS-Gen §6.7; RSS-247 §6.2
Test Method:	KDB 789033 D02 General UNII Test Procedures New Rules v02r01
Limit:	>500kHz for 6 dB bandwidth
Test setup:	 The diagram illustrates the test setup. A Spectrum Analyzer, shown with a grid and a green trace, is connected to an E.U.T. (Equipment Under Test) box by a red cable. Both the Spectrum Analyzer and the E.U.T. are positioned on a 'Non-Conducted Table'. This table is supported by two vertical legs that rest on a 'Ground Reference Plane', which is represented by a thick grey horizontal bar at the bottom of the setup.
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:

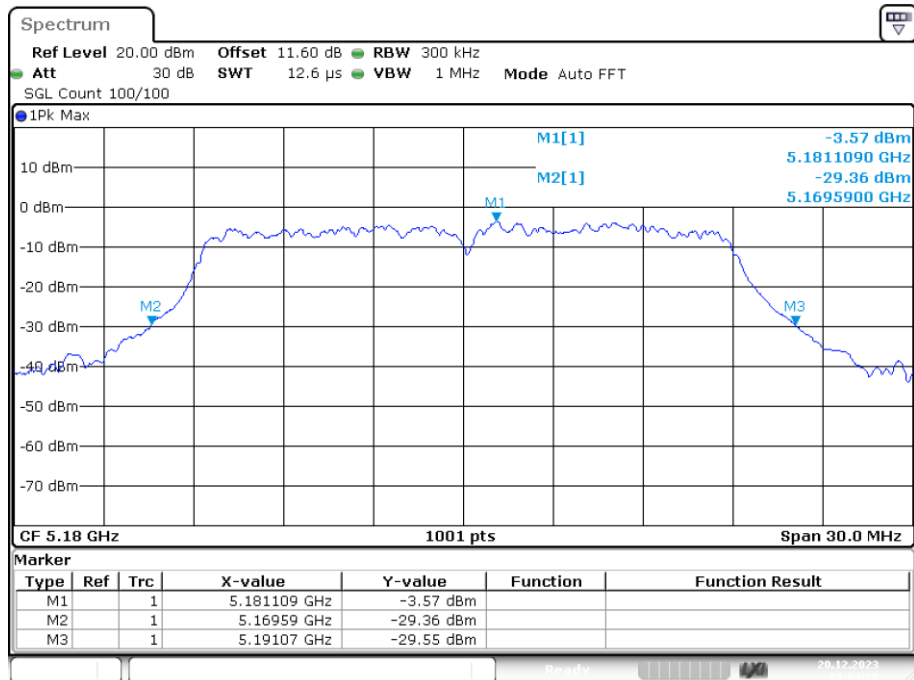
Band 1 (5150-5250 MHz):
-26dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5180	Ant1	20.82
NVNT	a	5200	Ant1	20.94
NVNT	a	5240	Ant1	20.64
NVNT	n20	5180	Ant1	21.48
NVNT	n20	5200	Ant1	21.15
NVNT	n20	5240	Ant1	21.03
NVNT	n40	5190	Ant1	37.92
NVNT	n40	5230	Ant1	38.04

-26dB Bandwidth NVNT a 5180MHz Ant1

-26dB Bandwidth NVNT a 5200MHz Ant1


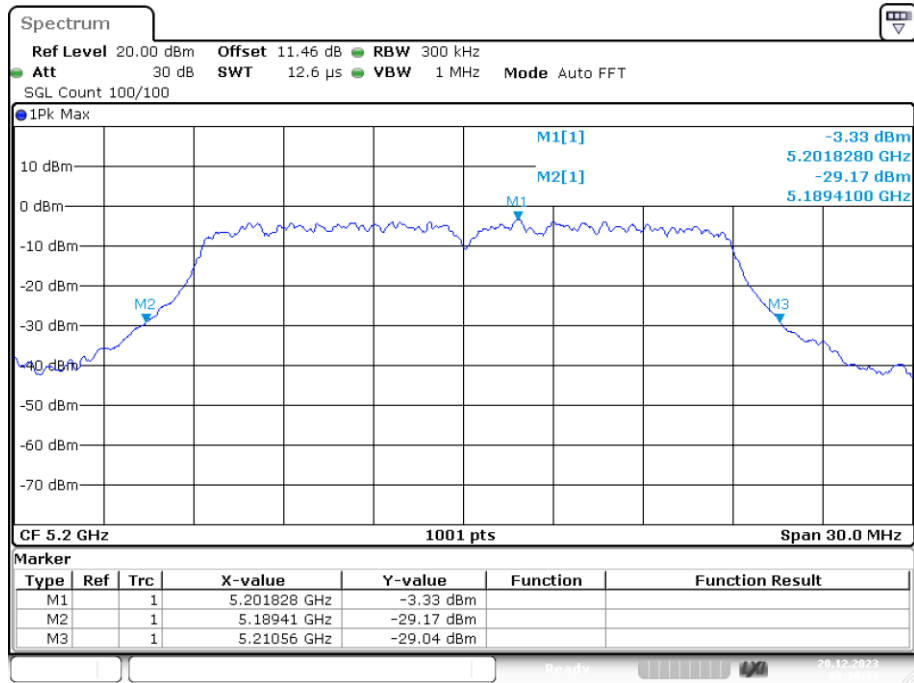
-26dB Bandwidth NVNT a 5240MHz Ant1

Date: 20.DEC.2023 06:35:32

-26dB Bandwidth NVNT n20 5180MHz Ant1

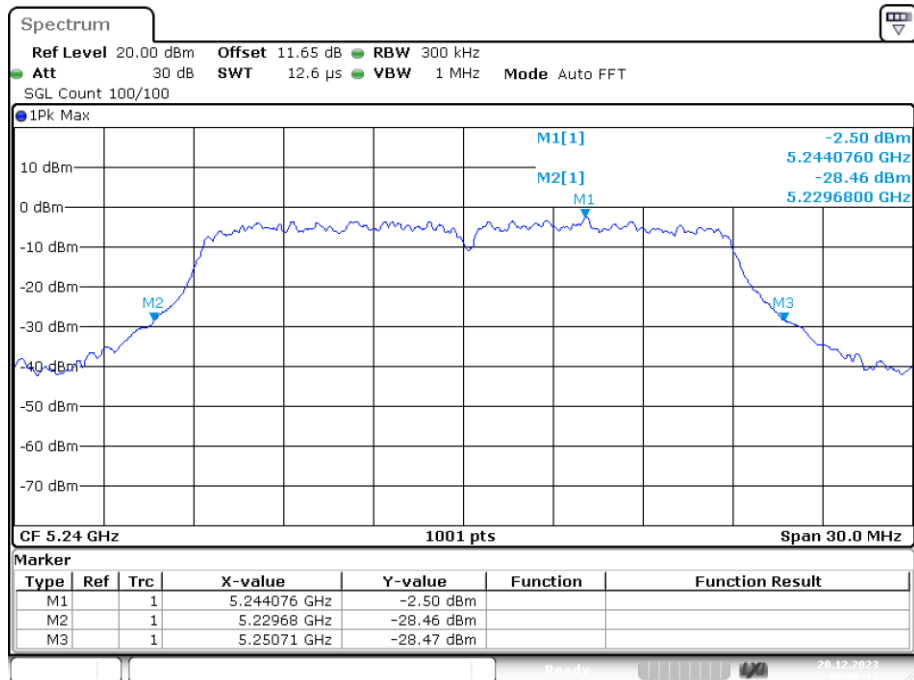
Date: 20.DEC.2023 08:24:28

-26dB Bandwidth NVNT n20 5200MHz Ant1



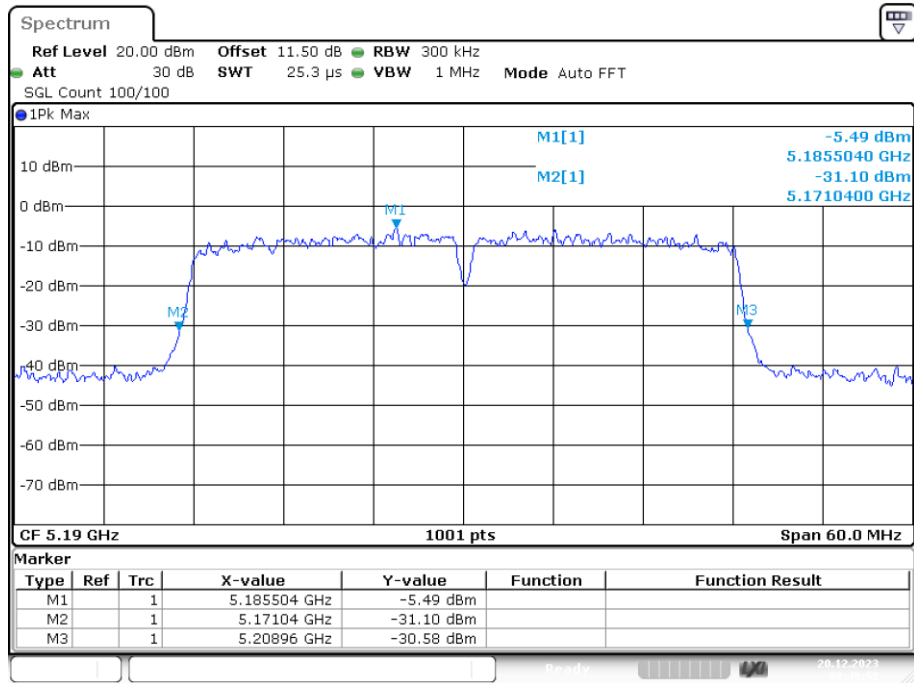
Date: 20.DEC.2023 08:30:10

-26dB Bandwidth NVNT n20 5240MHz Ant1



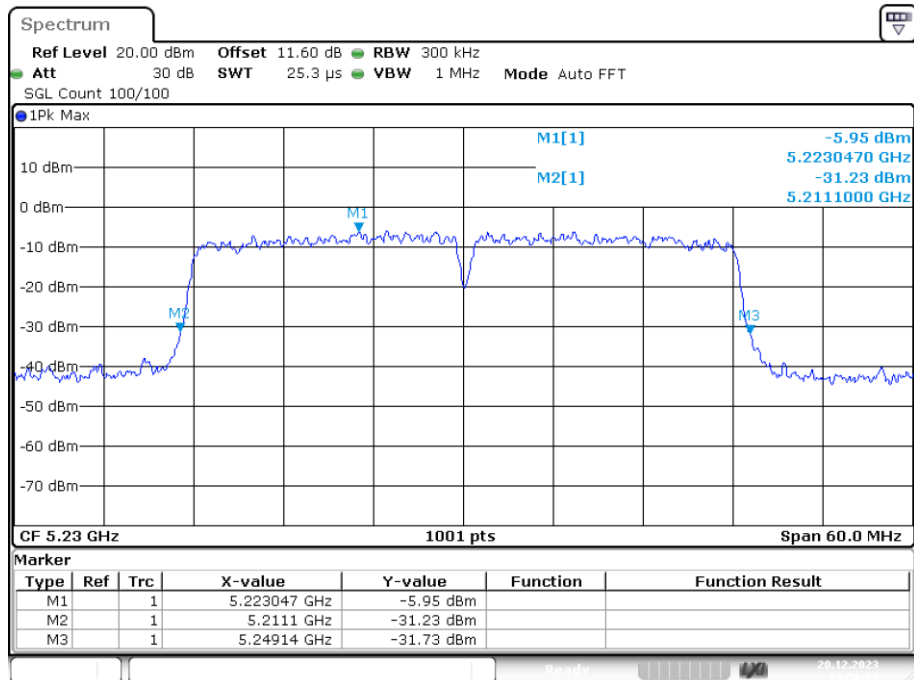
Date: 20.DEC.2023 08:36:18

-26dB Bandwidth NVNT n40 5190MHz Ant1



Date: 20.DEC.2023 08:49:52

-26dB Bandwidth NVNT n40 5230MHz Ant1

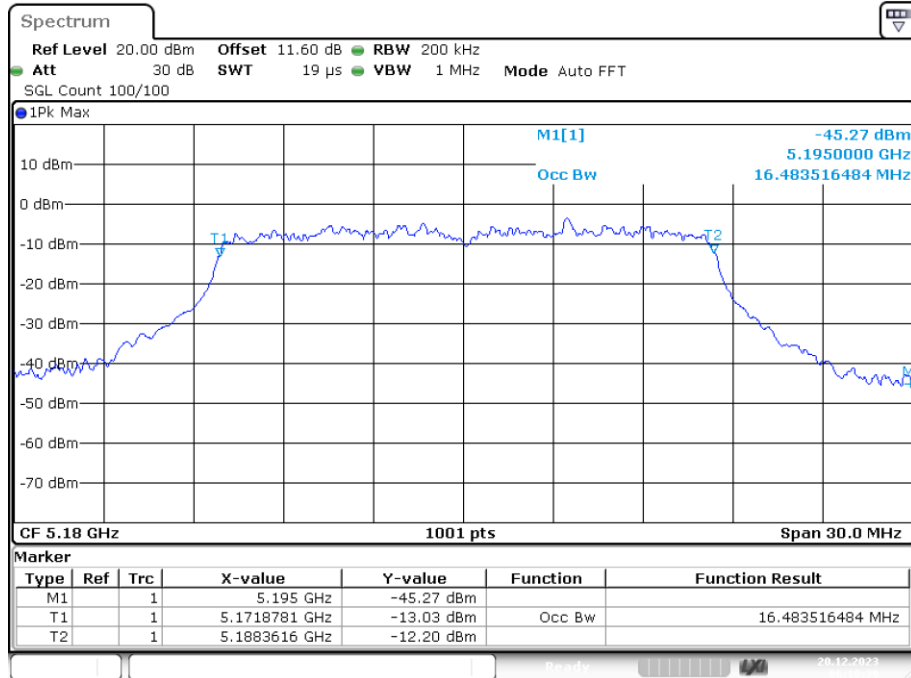


Date: 20.DEC.2023 08:58:53

Occupied Channel Bandwidth

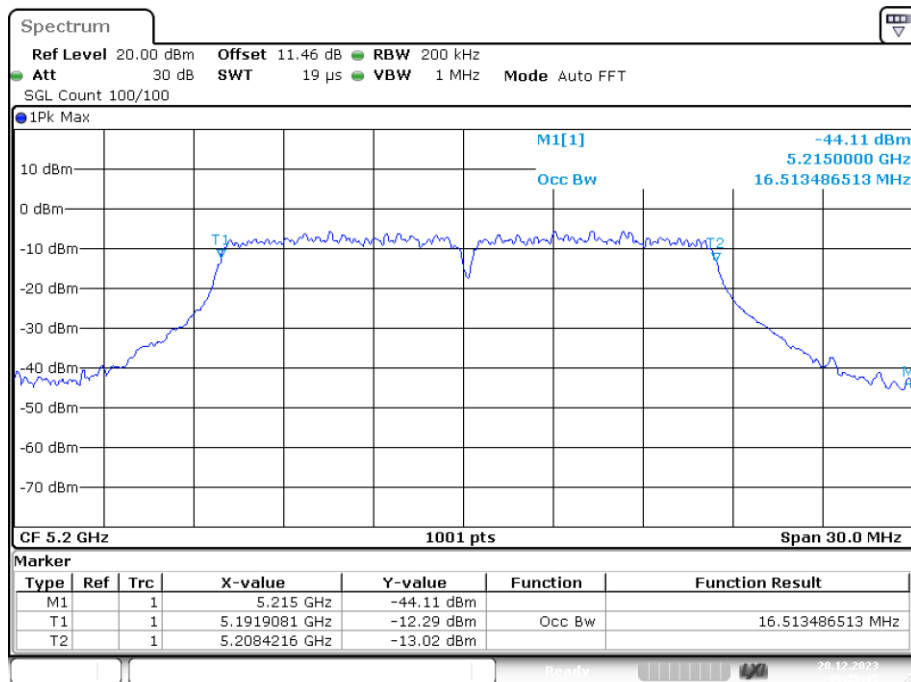
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.484
NVNT	a	5200	Ant1	16.513
NVNT	a	5240	Ant1	16.484
NVNT	n20	5180	Ant1	17.712
NVNT	n20	5200	Ant1	17.682
NVNT	n20	5240	Ant1	17.712
NVNT	n40	5190	Ant1	35.844
NVNT	n40	5230	Ant1	35.844

OBW NVNT a 5180MHz Ant1



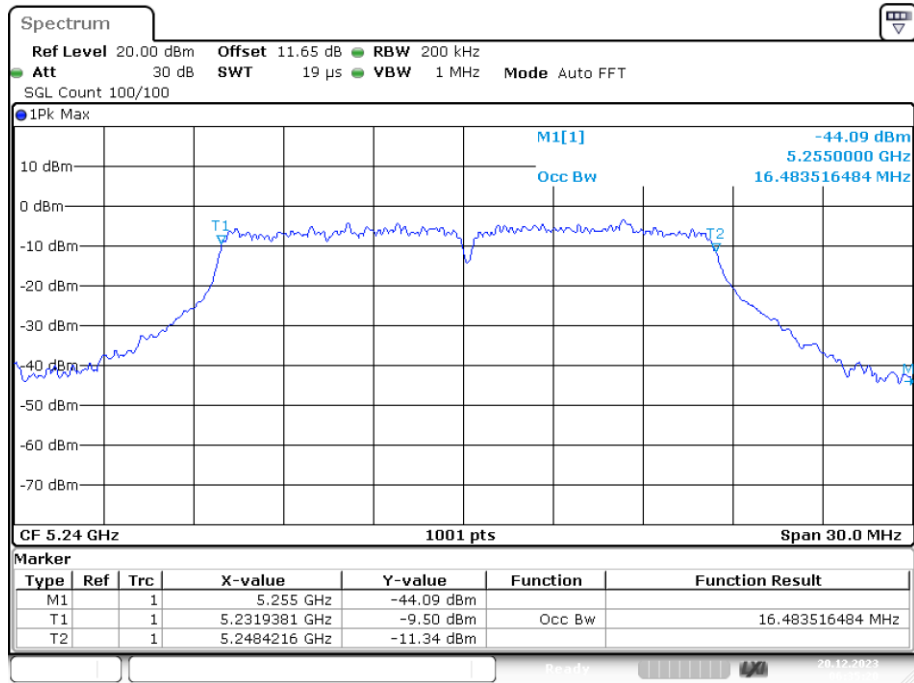
Date: 20.DEC.2023 06:18:40

OBW NVNT a 5200MHz Ant1



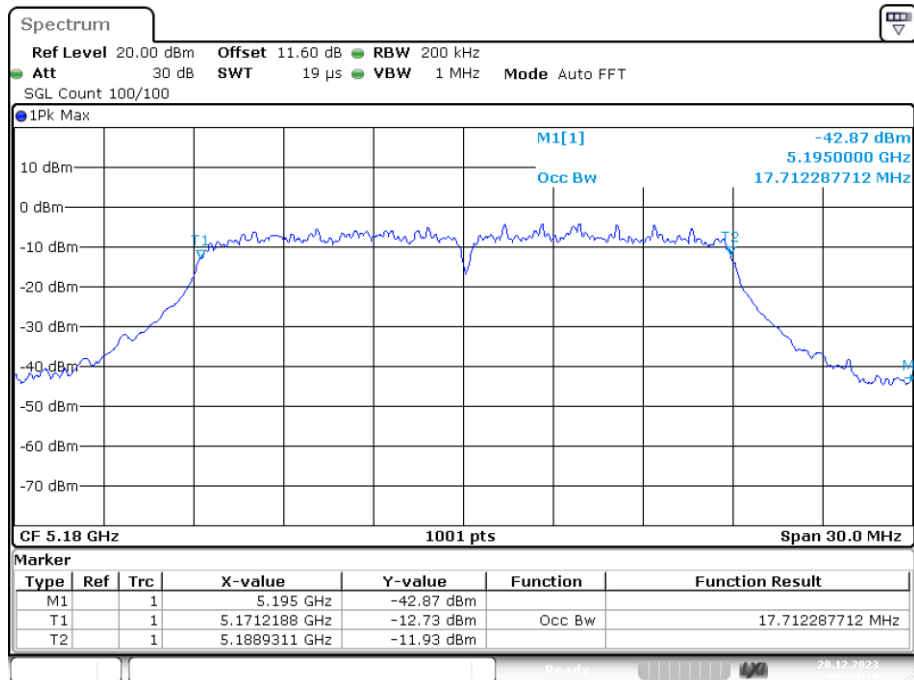
Date: 20.DEC.2023 06:28:15

OBW NVNT a 5240MHz Ant1



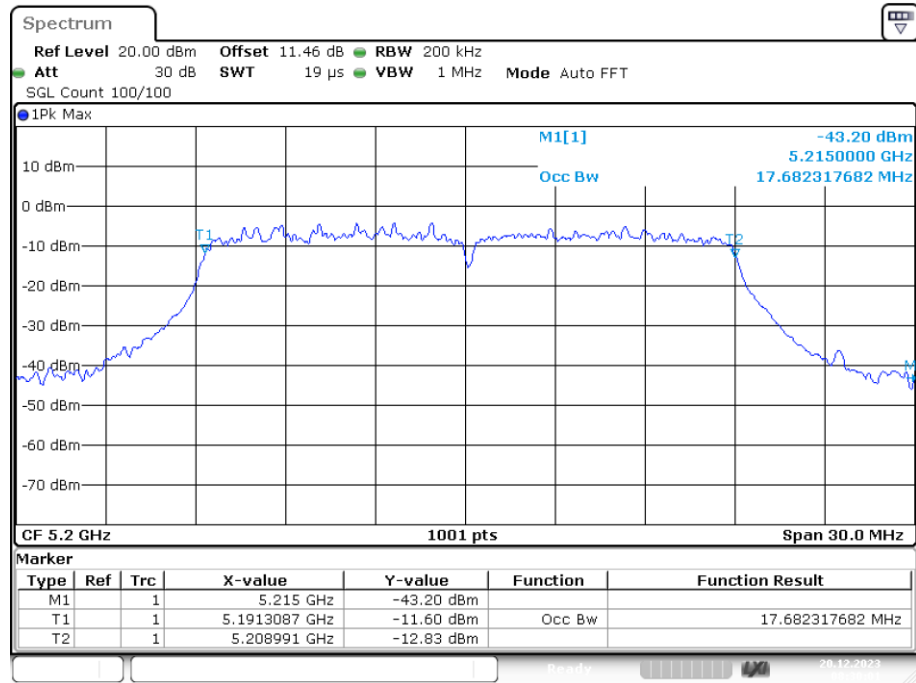
Date: 20.DEC.2023 06:35:20

OBW NVNT n20 5180MHz Ant1



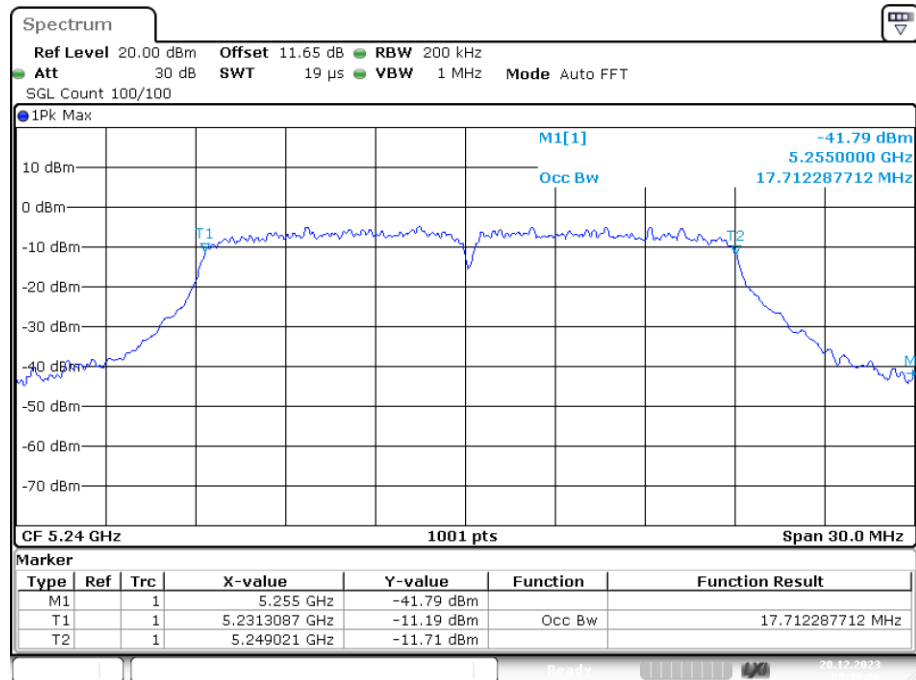
Date: 20.DEC.2023 08:24:19

OBW NVNT n20 5200MHz Ant1



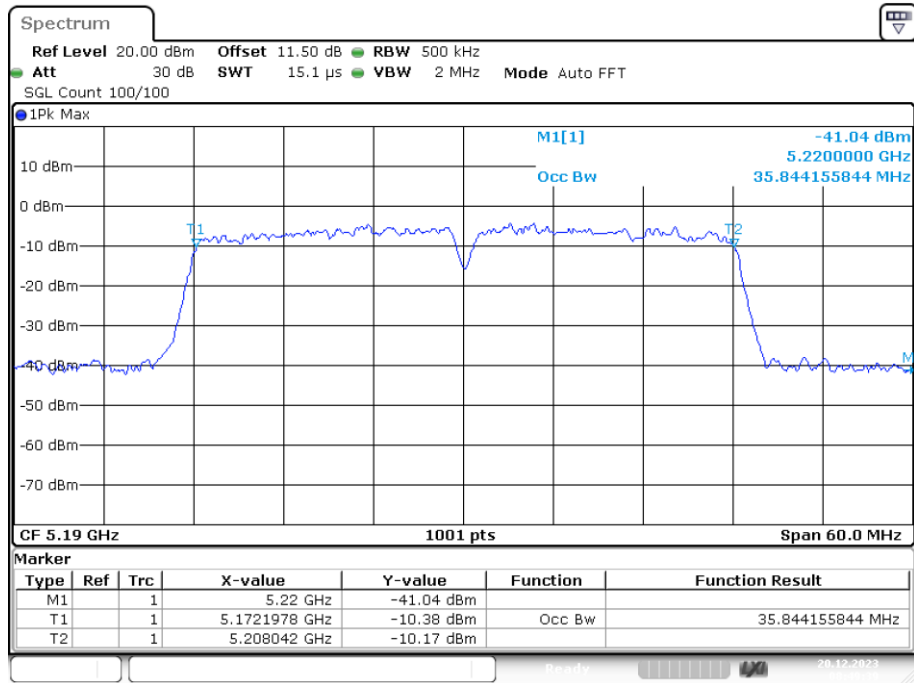
Date: 20.DEC.2023 08:30:01

OBW NVNT n20 5240MHz Ant1



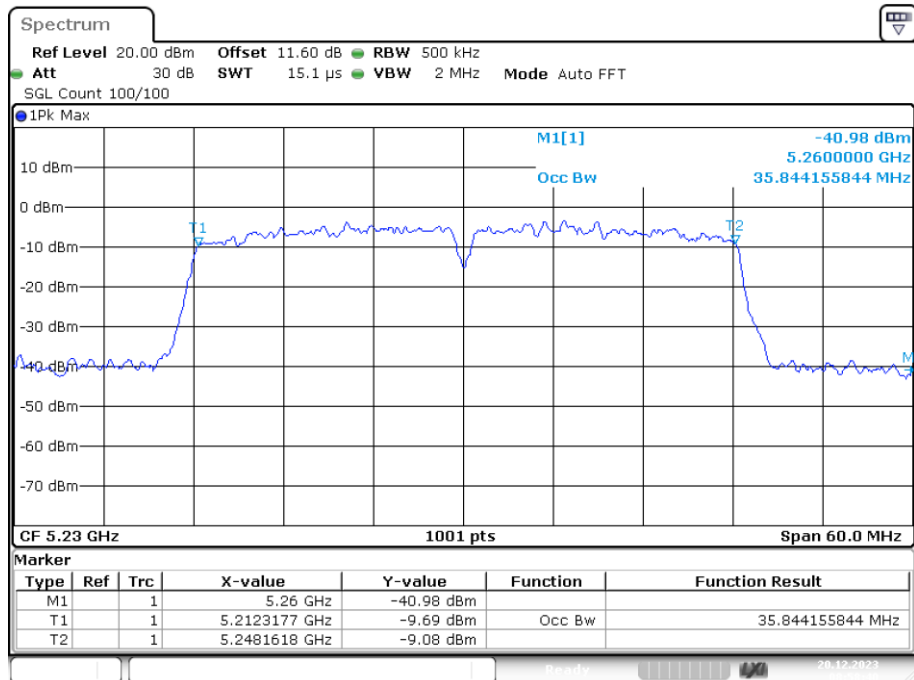
Date: 20.DEC.2023 08:36:07

OBW NVNT n40 5190MHz Ant1



Date: 20.DEC.2023 08:49:39

OBW NVNT n40 5230MHz Ant1

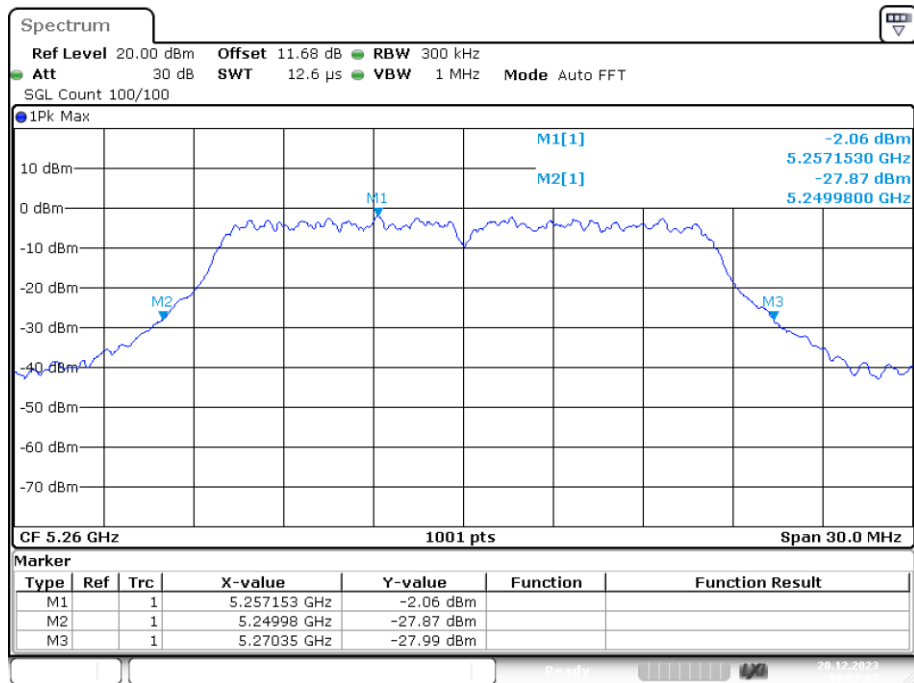


Date: 20.DEC.2023 08:58:39

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

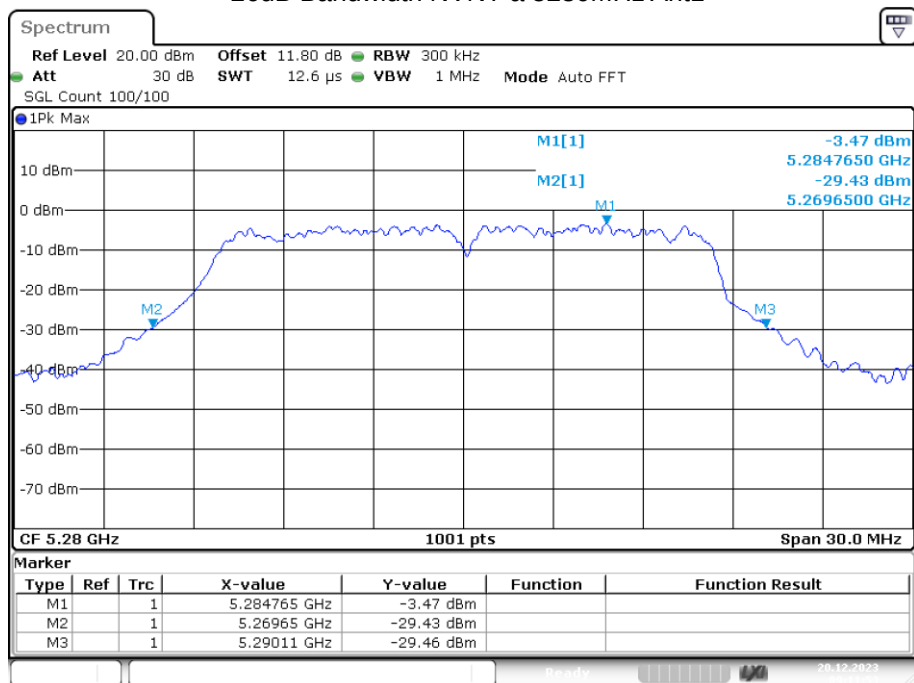
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5260	Ant1	20.37
NVNT	a	5280	Ant1	20.46
NVNT	a	5320	Ant1	20.94
NVNT	n20	5260	Ant1	20.82
NVNT	n20	5280	Ant1	20.82
NVNT	n20	5320	Ant1	21.48
NVNT	n40	5270	Ant1	38.04
NVNT	n40	5310	Ant1	38.28

-26dB Bandwidth NVNT a 5260MHz Ant1



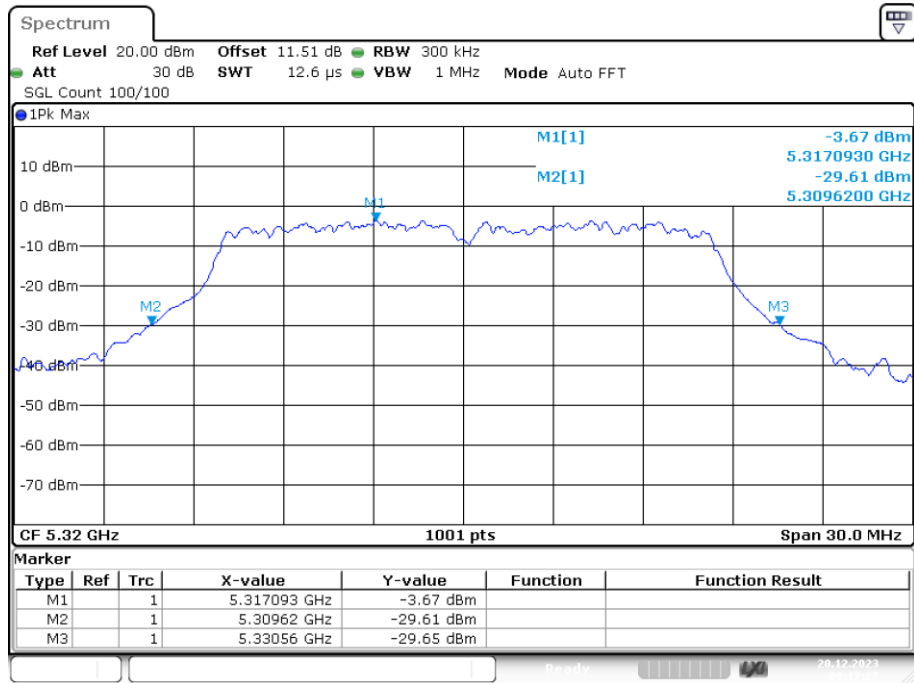
Date: 20.DEC.2023 09:07:07

-26dB Bandwidth NVNT a 5280MHz Ant1

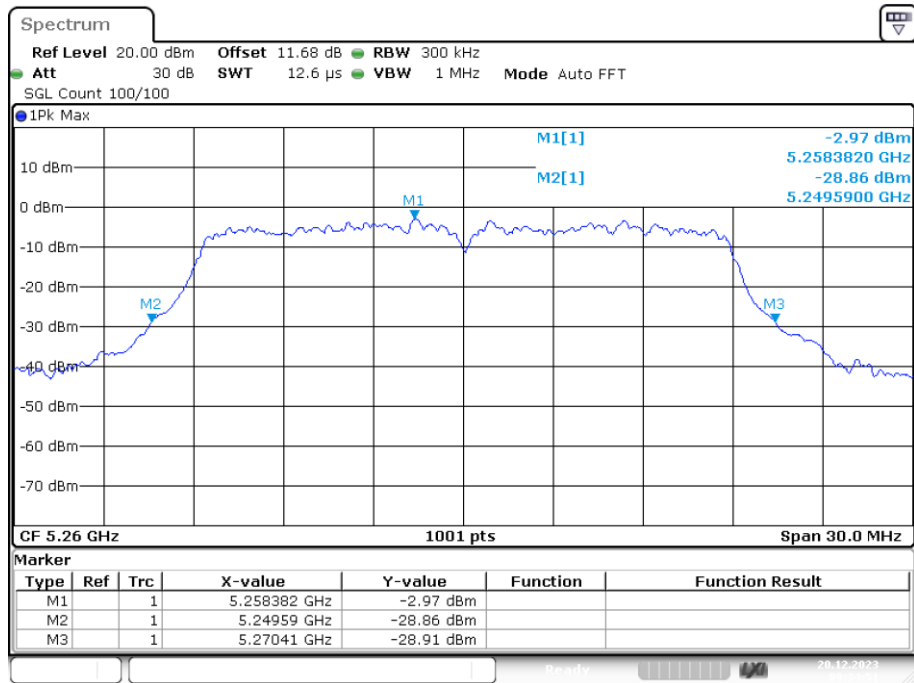


Date: 20.DEC.2023 09:11:53

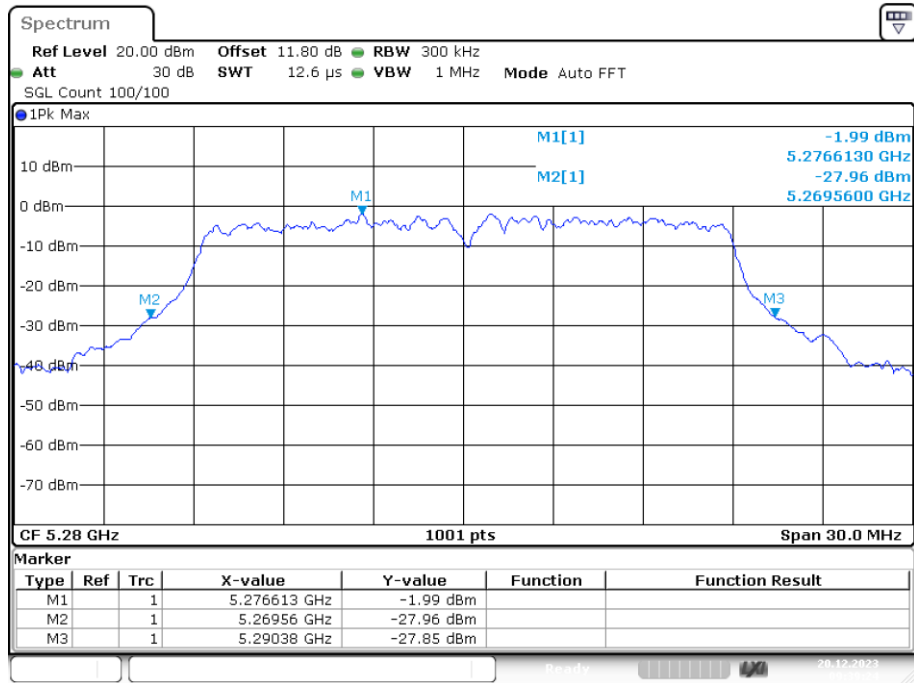
-26dB Bandwidth NVNT a 5320MHz Ant1



-26dB Bandwidth NVNT n20 5260MHz Ant1

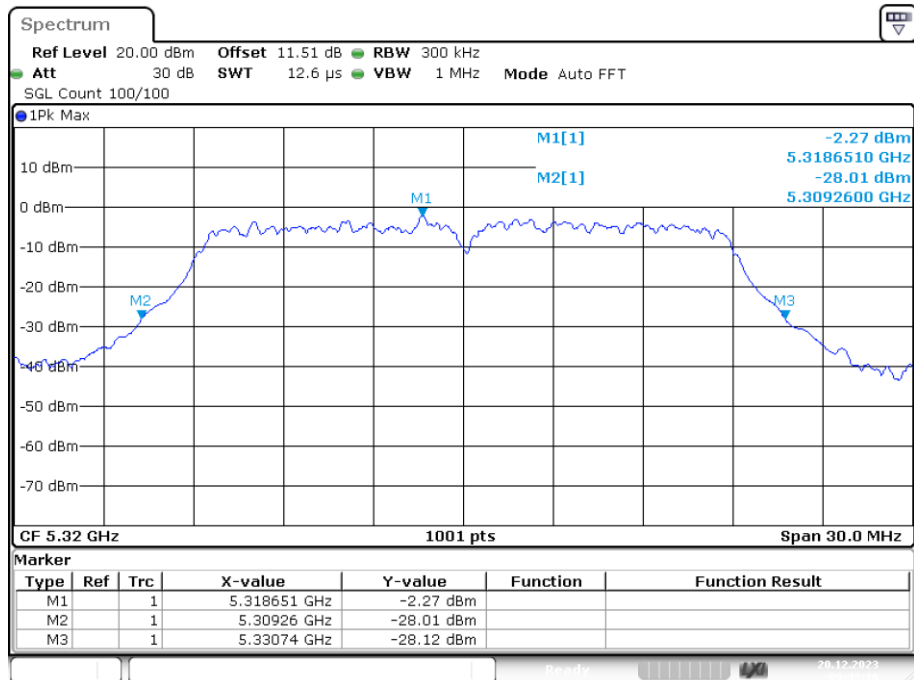


-26dB Bandwidth NVNT n20 5280MHz Ant1



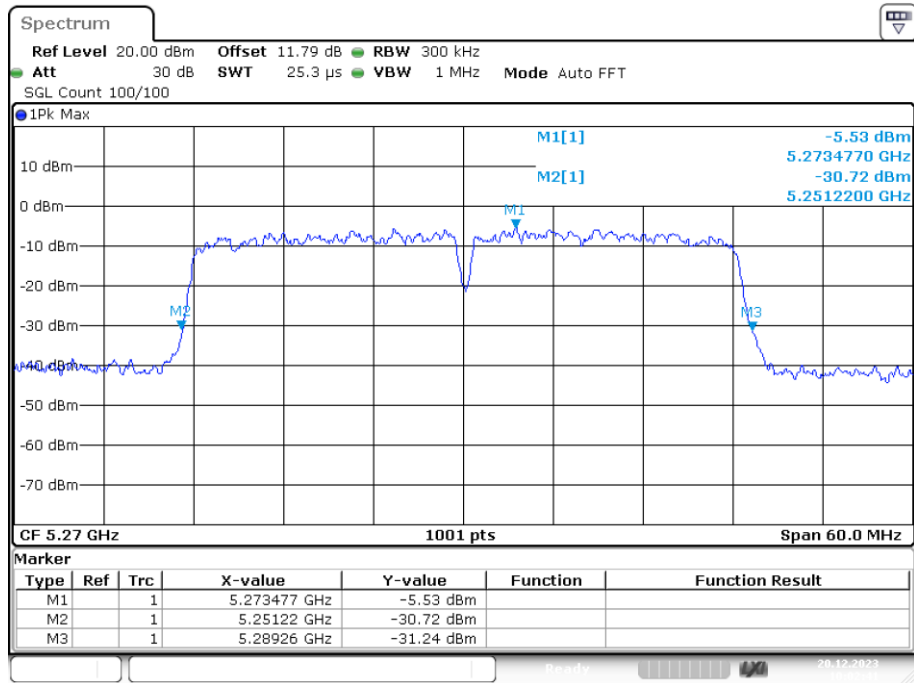
Date: 20.DEC.2023 09:39:23

-26dB Bandwidth NVNT n20 5320MHz Ant1



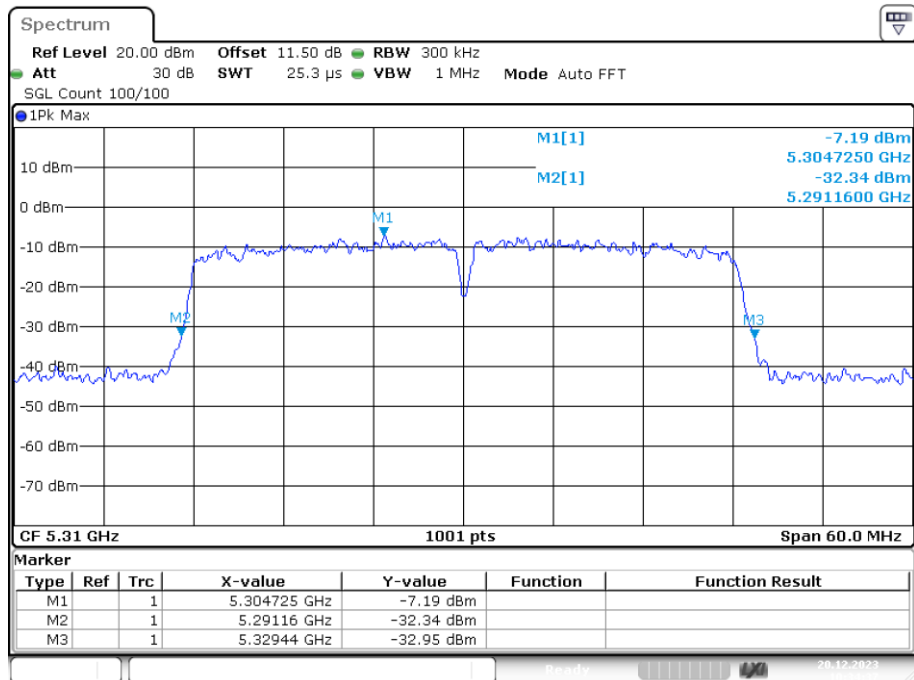
Date: 20.DEC.2023 09:43:16

-26dB Bandwidth NVNT n40 5270MHz Ant1



Date: 20.DEC.2023 10:02:41

-26dB Bandwidth NVNT n40 5310MHz Ant1

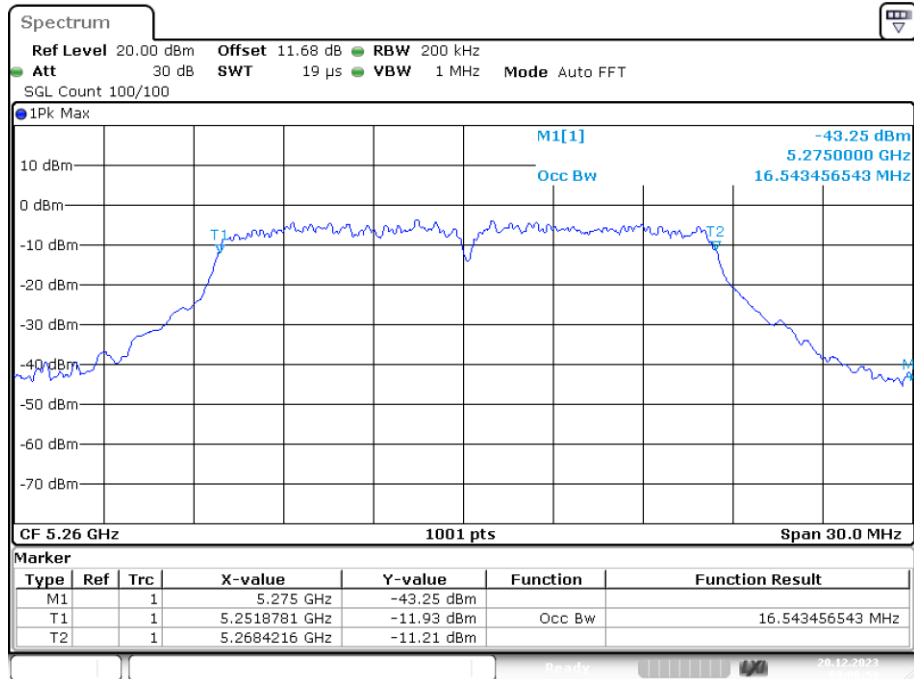


Date: 20.DEC.2023 10:34:37

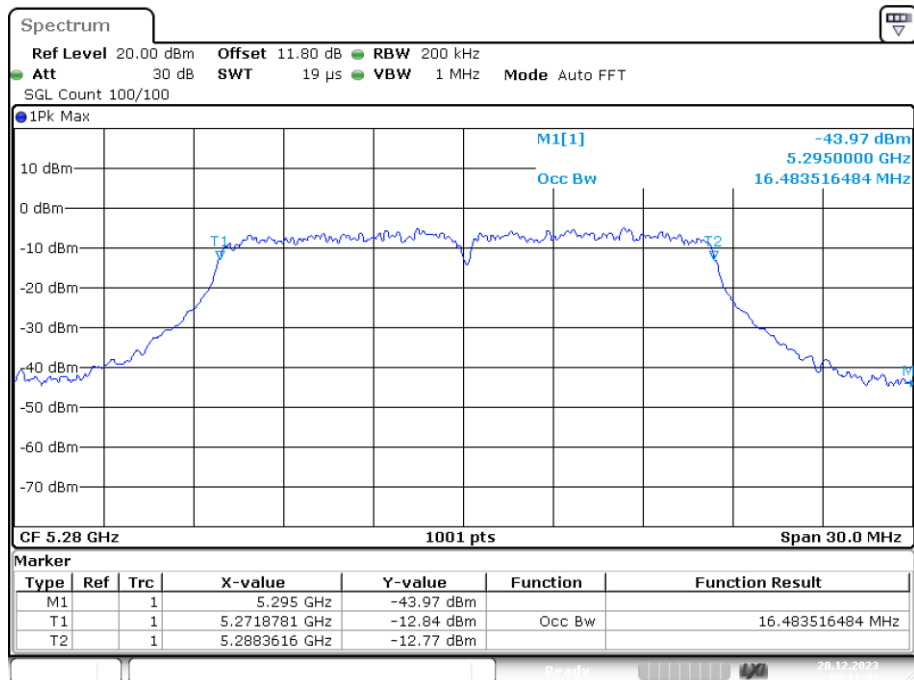
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5260	Ant1	16.543
NVNT	a	5280	Ant1	16.484
NVNT	a	5320	Ant1	16.424
NVNT	n20	5260	Ant1	17.652
NVNT	n20	5280	Ant1	17.592
NVNT	n20	5320	Ant1	17.682
NVNT	n40	5270	Ant1	35.724
NVNT	n40	5310	Ant1	35.784

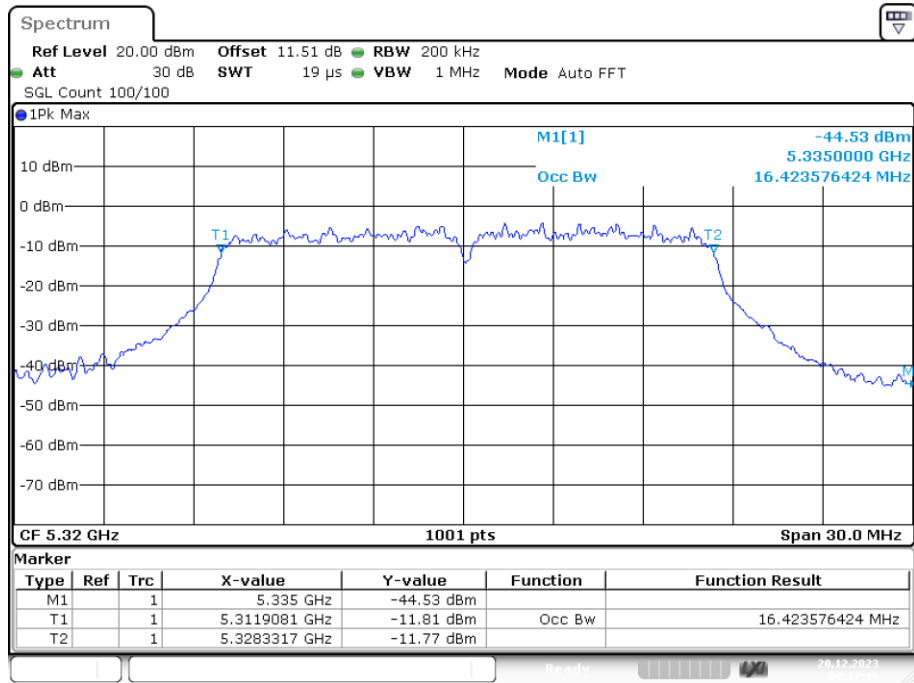
OBW NVNT a 5260MHz Ant1



OBW NVNT a 5280MHz Ant1

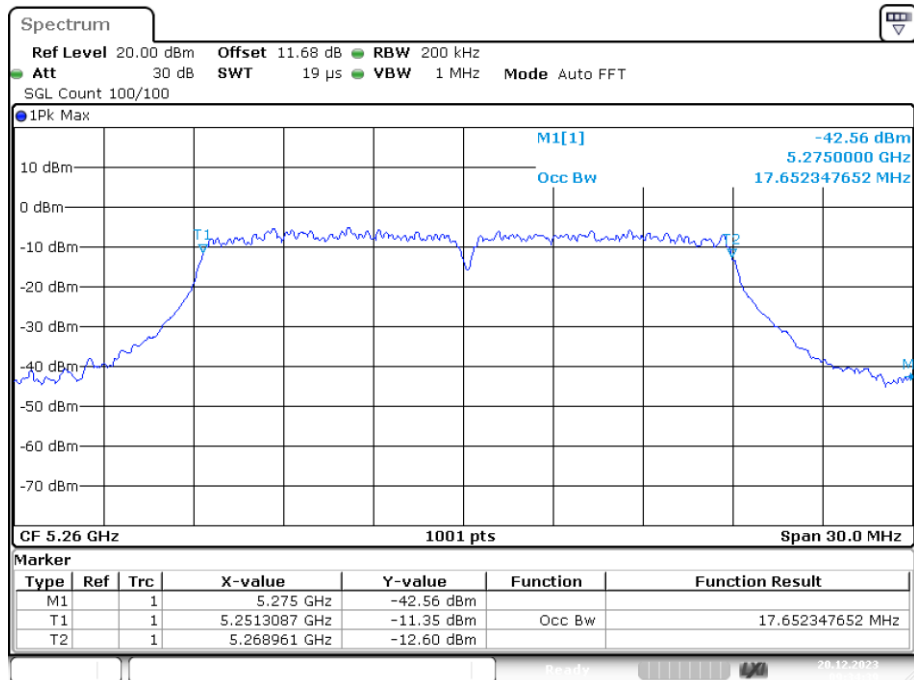


OBW NVNT a 5320MHz Ant1



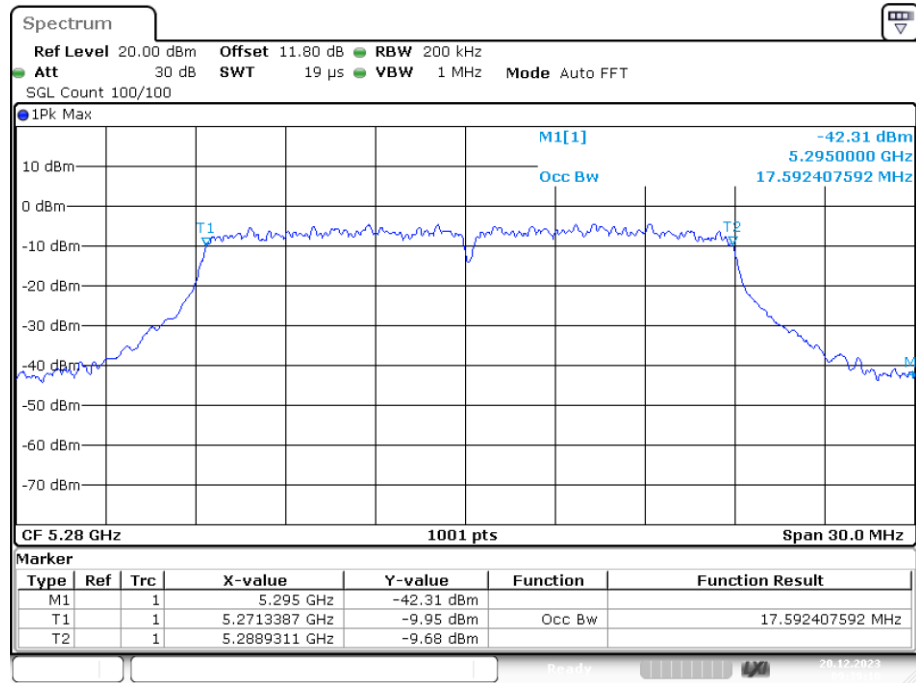
Date: 20.DEC.2023 09:17:16

OBW NVNT n20 5260MHz Ant1



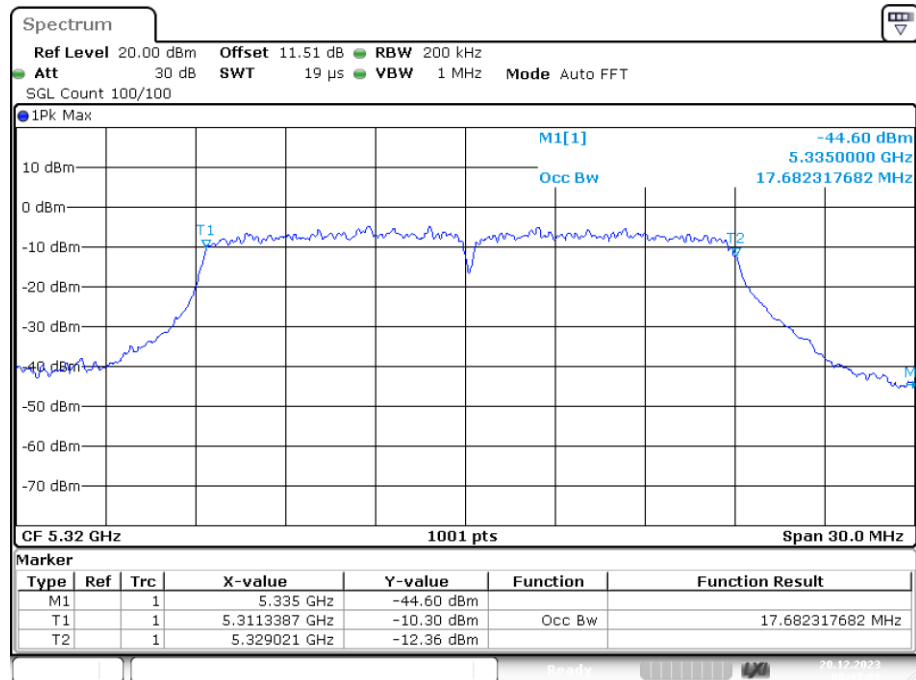
Date: 20.DEC.2023 09:34:39

OBW NVNT n20 5280MHz Ant1



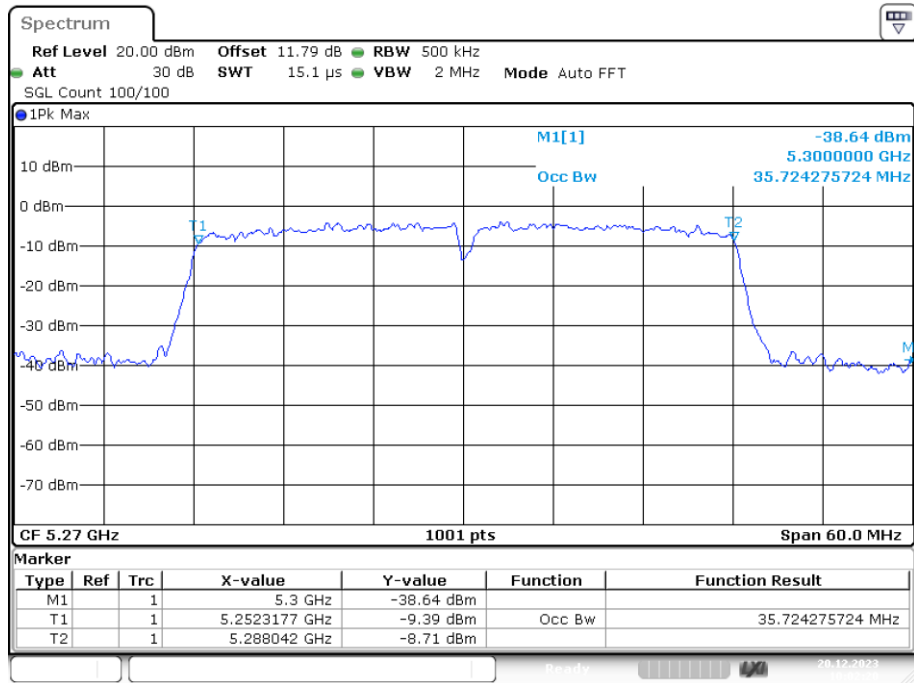
Date: 20.DEC.2023 09:39:10

OBW NVNT n20 5320MHz Ant1



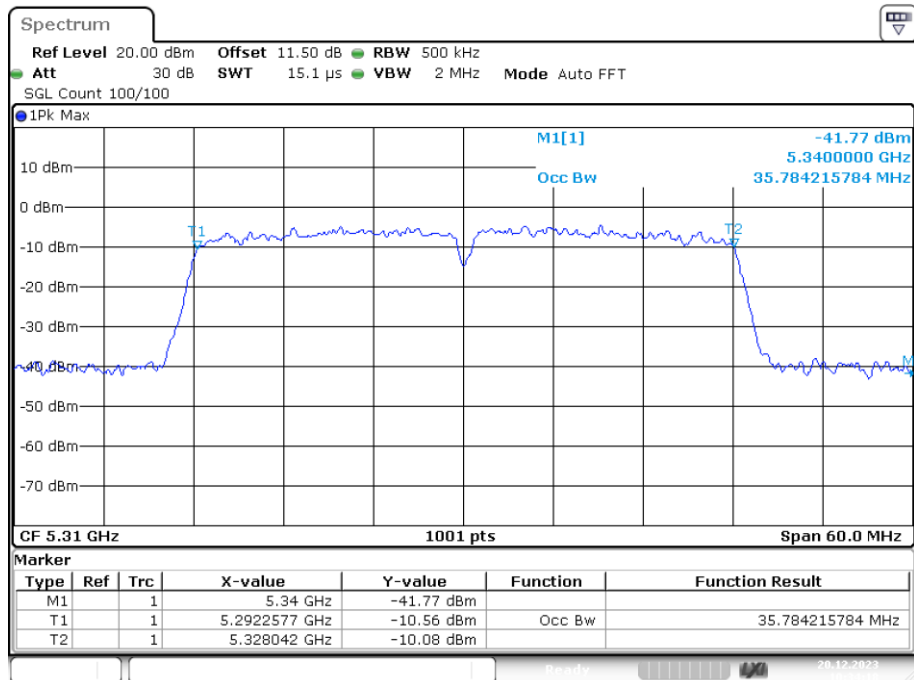
Date: 20.DEC.2023 09:43:01

OBW NVNT n40 5270MHz Ant1



Date: 20.DEC.2023 10:02:20

OBW NVNT n40 5310MHz Ant1

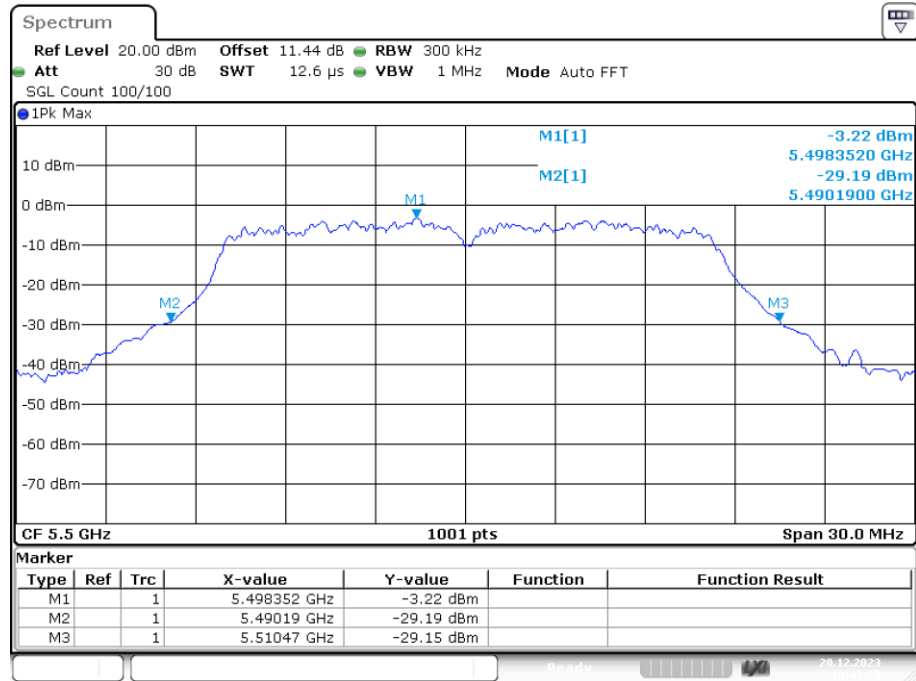


Date: 20.DEC.2023 10:34:18

**Band 3 (5500-5700 MHz):
-26dB Bandwidth**

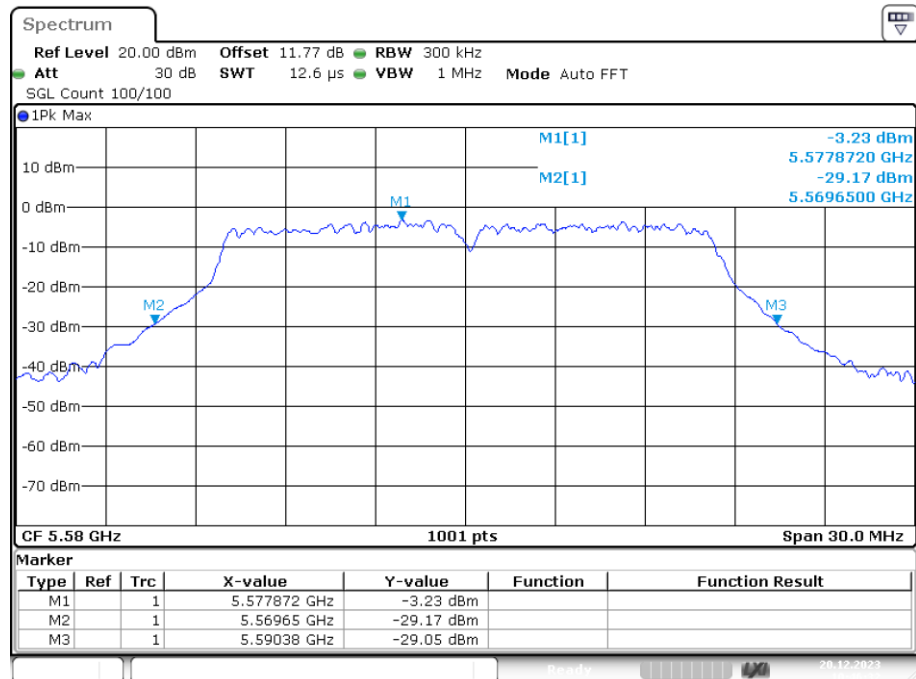
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a	5500	Ant1	20.28
NVNT	a	5580	Ant1	20.73
NVNT	a	5700	Ant1	20.88
NVNT	n20	5500	Ant1	21.27
NVNT	n20	5580	Ant1	21.21
NVNT	n20	5700	Ant1	21.87
NVNT	n40	5510	Ant1	37.8
NVNT	n40	5670	Ant1	37.98

-26dB Bandwidth NVNT a 5500MHz Ant1

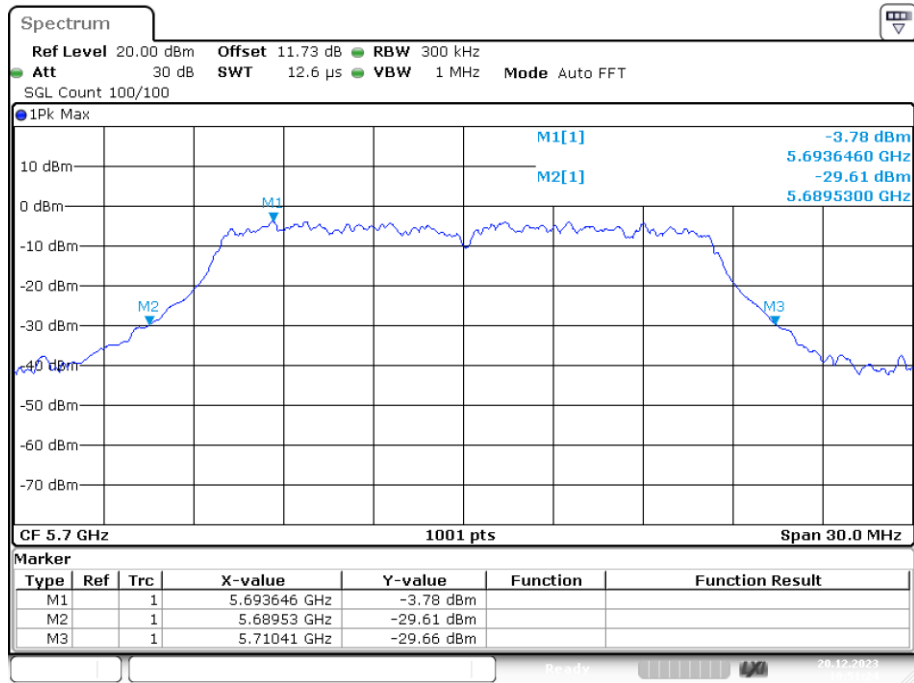


Date: 20.DEC.2023 10:43:28

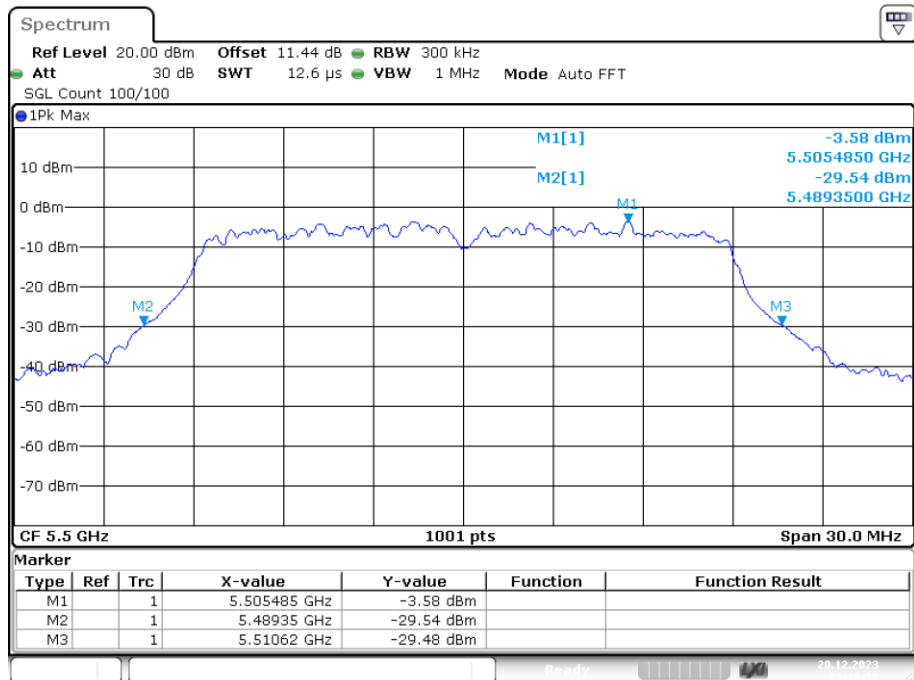
-26dB Bandwidth NVNT a 5580MHz Ant1



Date: 20.DEC.2023 10:46:31

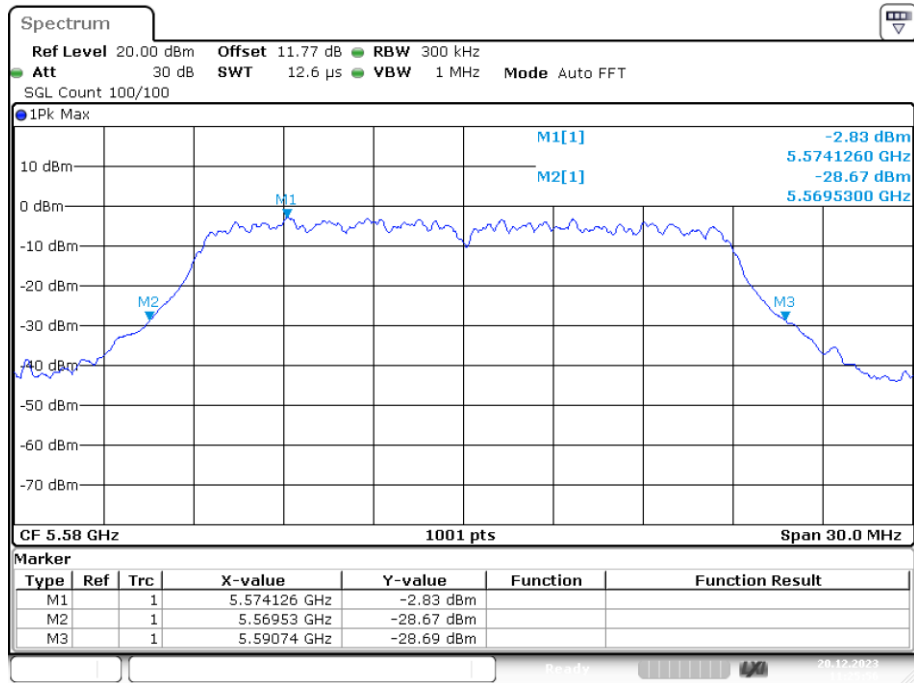
-26dB Bandwidth NVNT a 5700MHz Ant1

Date: 20.DEC.2023 10:51:23

-26dB Bandwidth NVNT n20 5500MHz Ant1

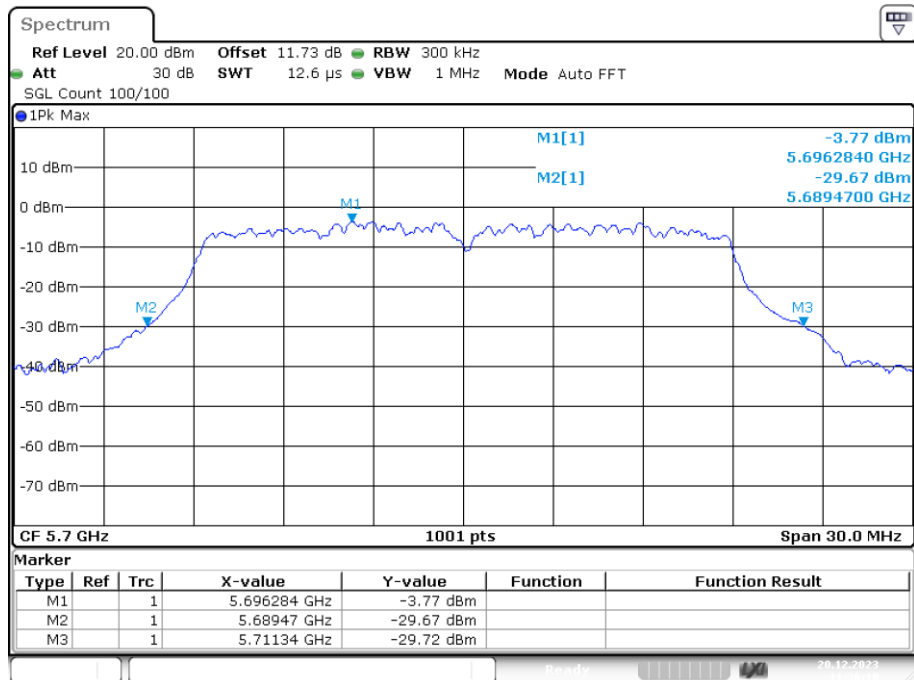
Date: 20.DEC.2023 11:16:32

-26dB Bandwidth NVNT n20 5580MHz Ant1



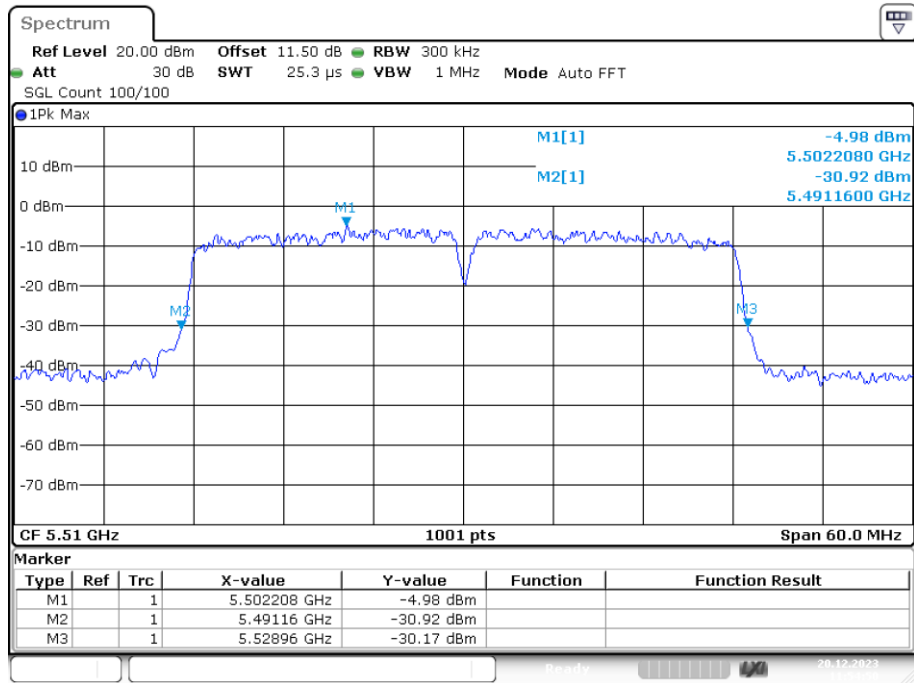
Date: 20.DEC.2023 11:25:55

-26dB Bandwidth NVNT n20 5700MHz Ant1



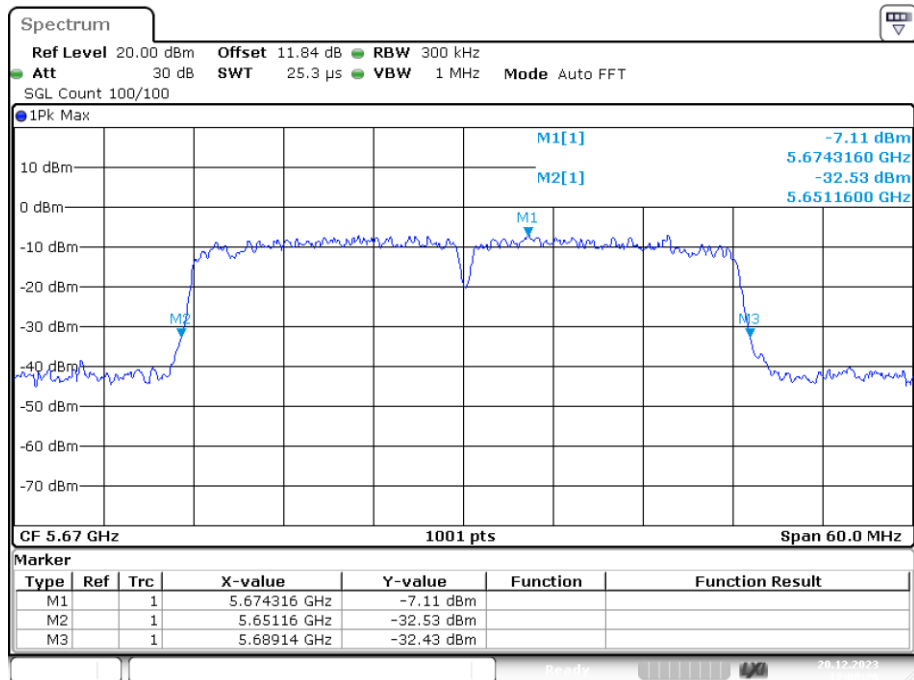
Date: 20.DEC.2023 11:36:10

-26dB Bandwidth NVNT n40 5510MHz Ant1



Date: 20.DEC.2023 11:54:50

-26dB Bandwidth NVNT n40 5670MHz Ant1

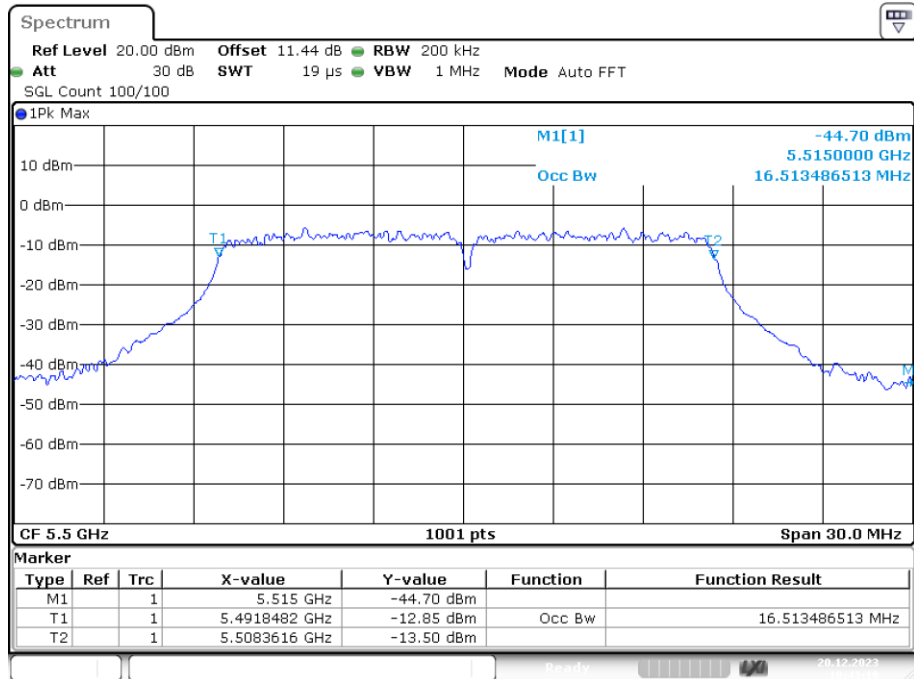


Date: 20.DEC.2023 12:00:25

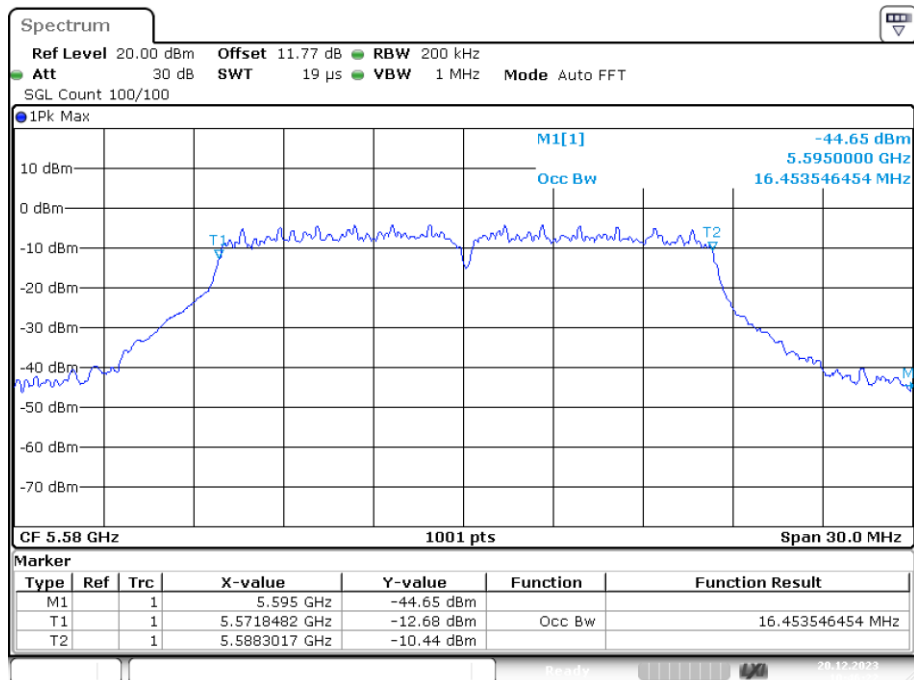
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5500	Ant1	16.513
NVNT	a	5580	Ant1	16.454
NVNT	a	5700	Ant1	16.454
NVNT	n20	5500	Ant1	17.592
NVNT	n20	5580	Ant1	17.622
NVNT	n20	5700	Ant1	17.562
NVNT	n40	5510	Ant1	35.784
NVNT	n40	5670	Ant1	35.724

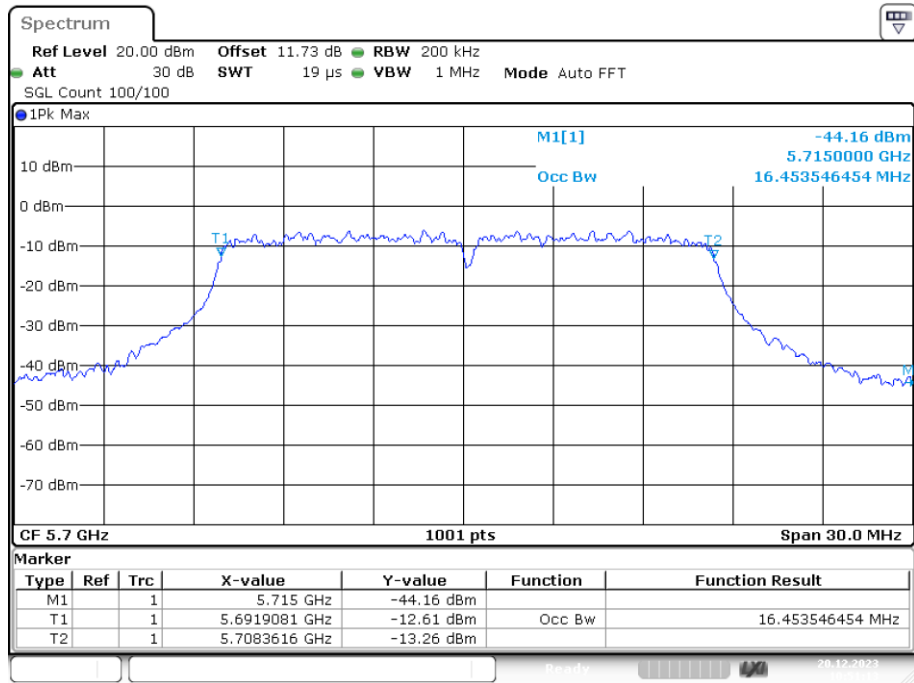
OBW NVNT a 5500MHz Ant1



OBW NVNT a 5580MHz Ant1

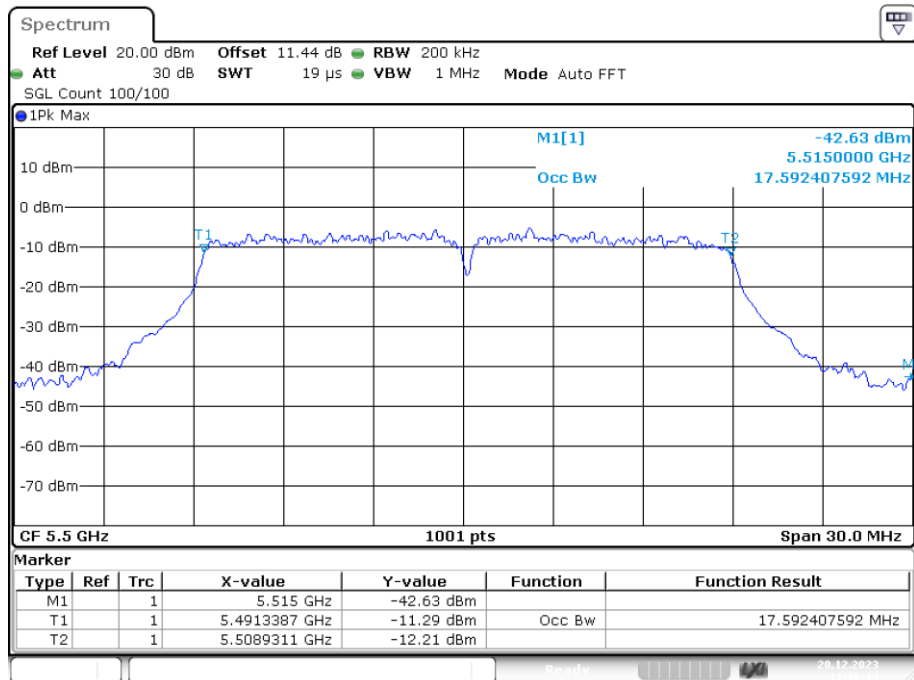


OBW NVNT a 5700MHz Ant1



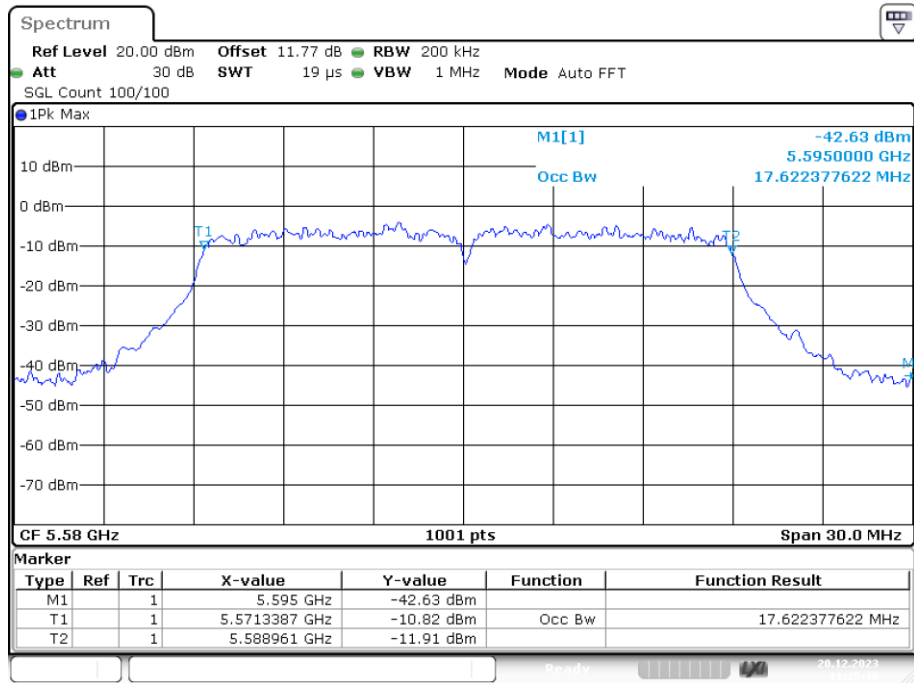
Date: 20.DEC.2023 10:51:13

OBW NVNT n20 5500MHz Ant1



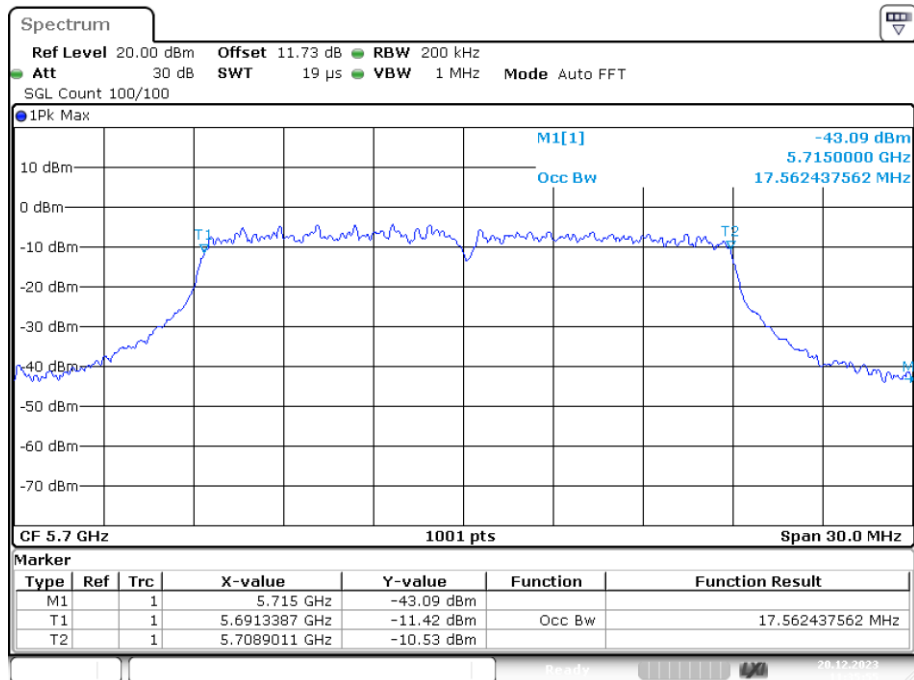
Date: 20.DEC.2023 11:16:14

OBW NVNT n20 5580MHz Ant1



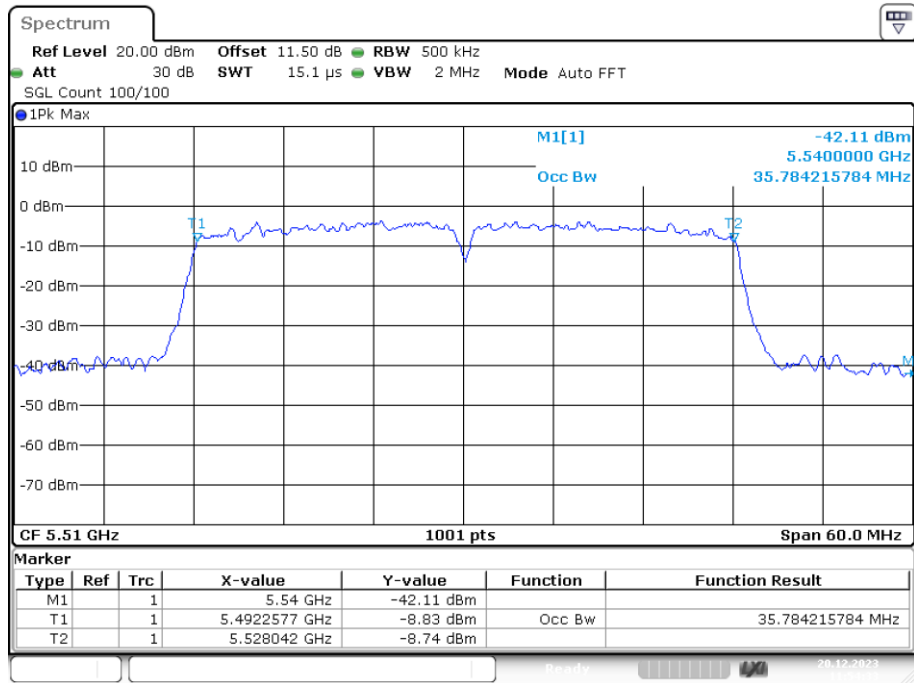
Date: 20.DEC.2023 11:25:38

OBW NVNT n20 5700MHz Ant1



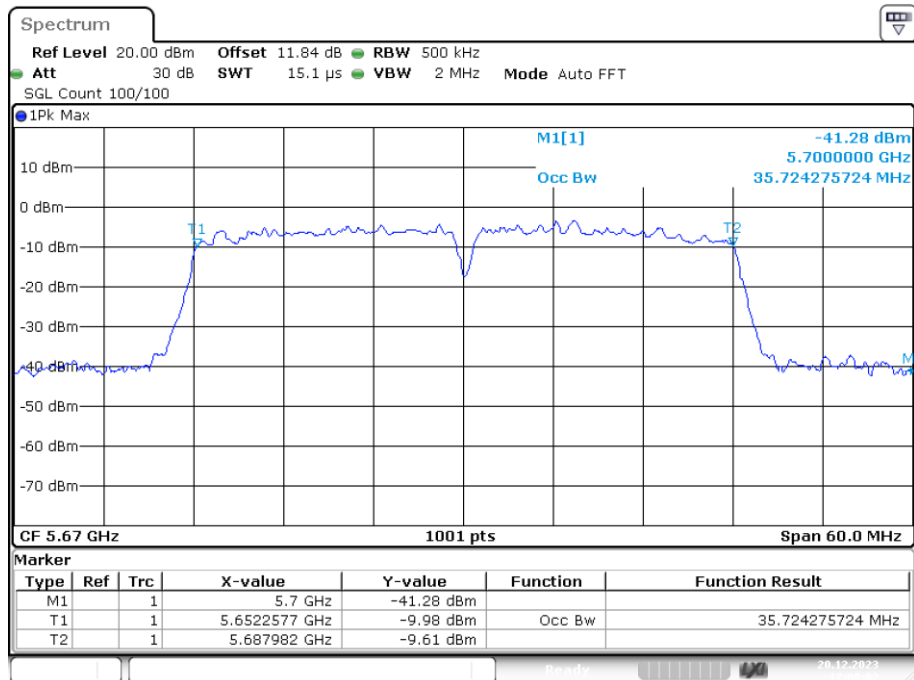
Date: 20.DEC.2023 11:35:55

OBW NVNT n40 5510MHz Ant1



Date: 20.DEC.2023 11:54:33

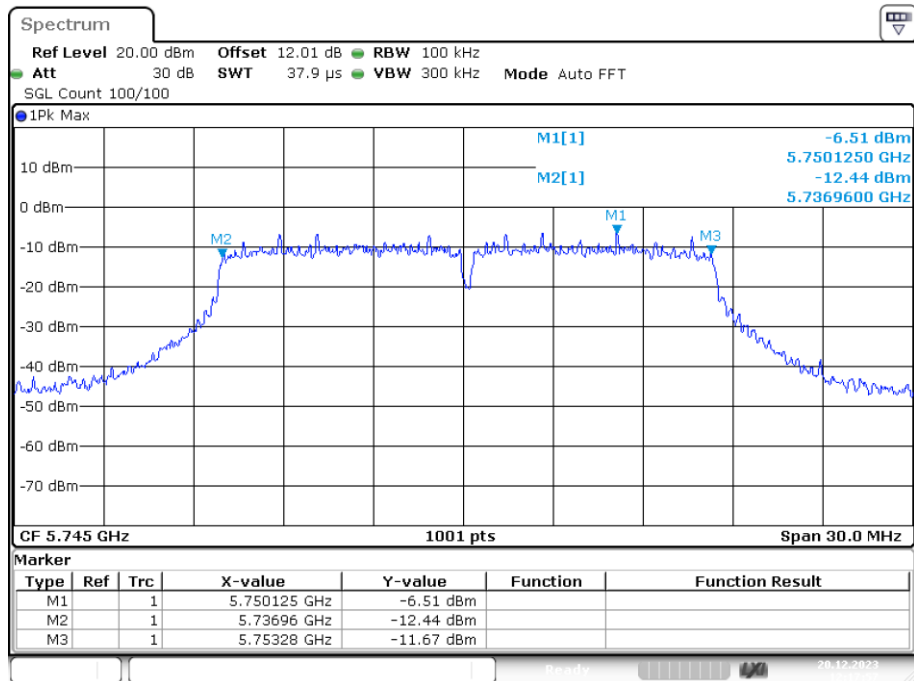
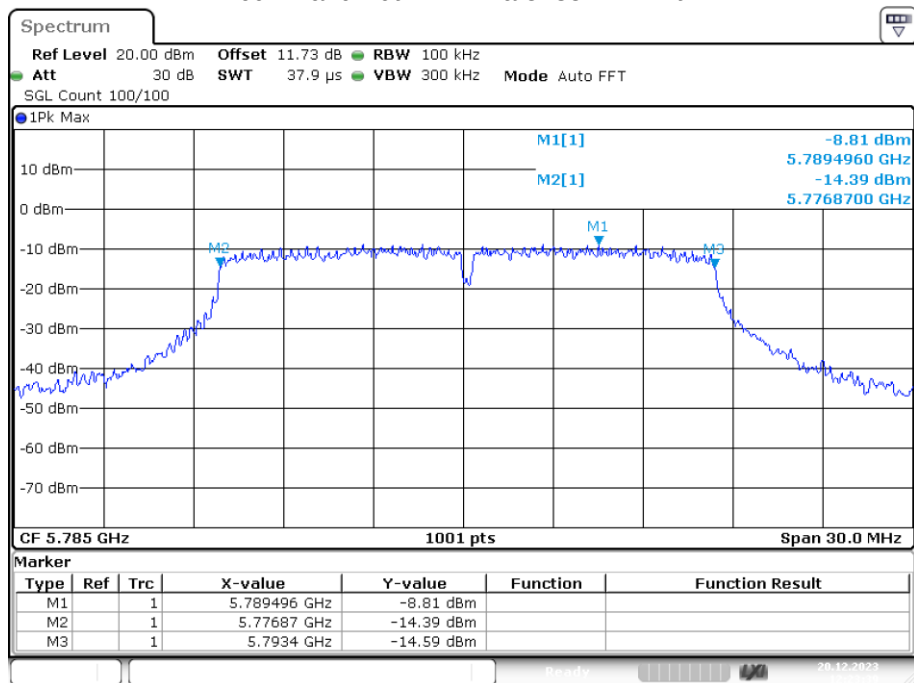
OBW NVNT n40 5670MHz Ant1

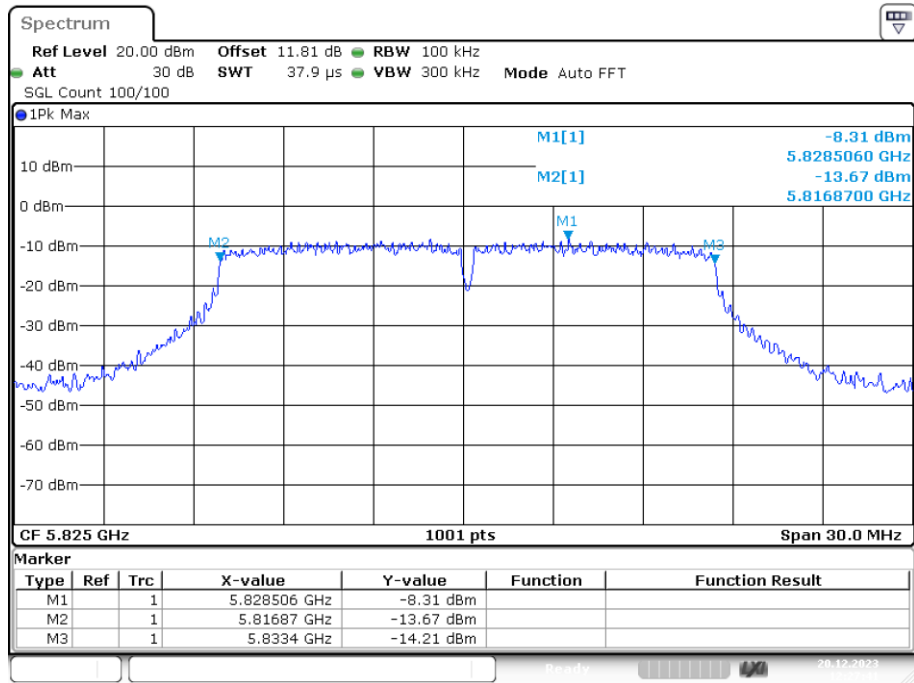


Date: 20.DEC.2023 12:00:02

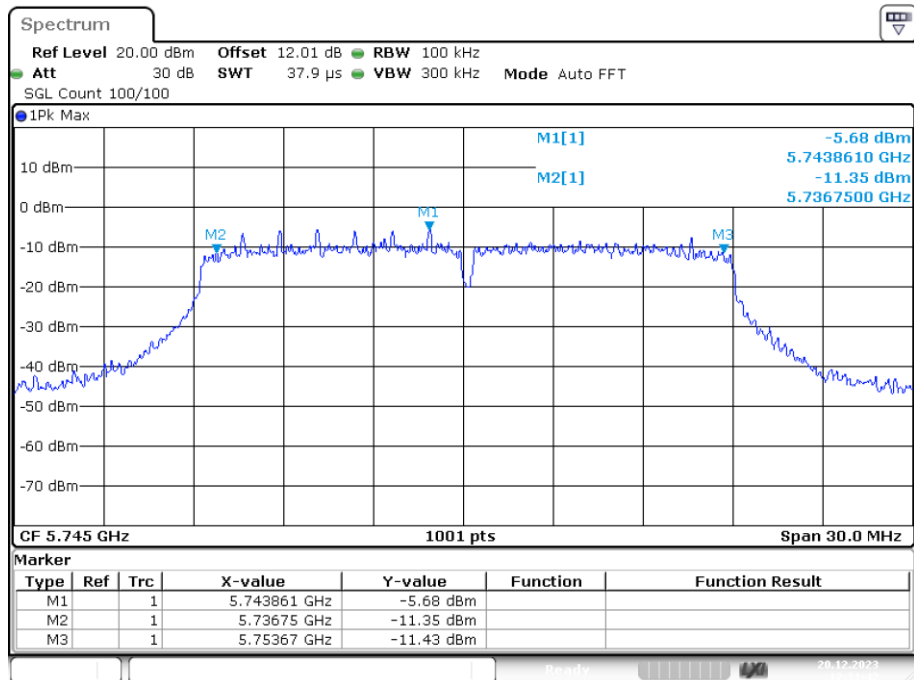
Band 4 (5725-5850 MHz):**-6dB Bandwidth**

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.32	0.5	Pass
NVNT	a	5785	Ant1	16.53	0.5	Pass
NVNT	a	5825	Ant1	16.53	0.5	Pass
NVNT	n20	5745	Ant1	16.92	0.5	Pass
NVNT	n20	5785	Ant1	17.55	0.5	Pass
NVNT	n20	5825	Ant1	17.61	0.5	Pass
NVNT	n40	5755	Ant1	35.64	0.5	Pass
NVNT	n40	5795	Ant1	35.76	0.5	Pass

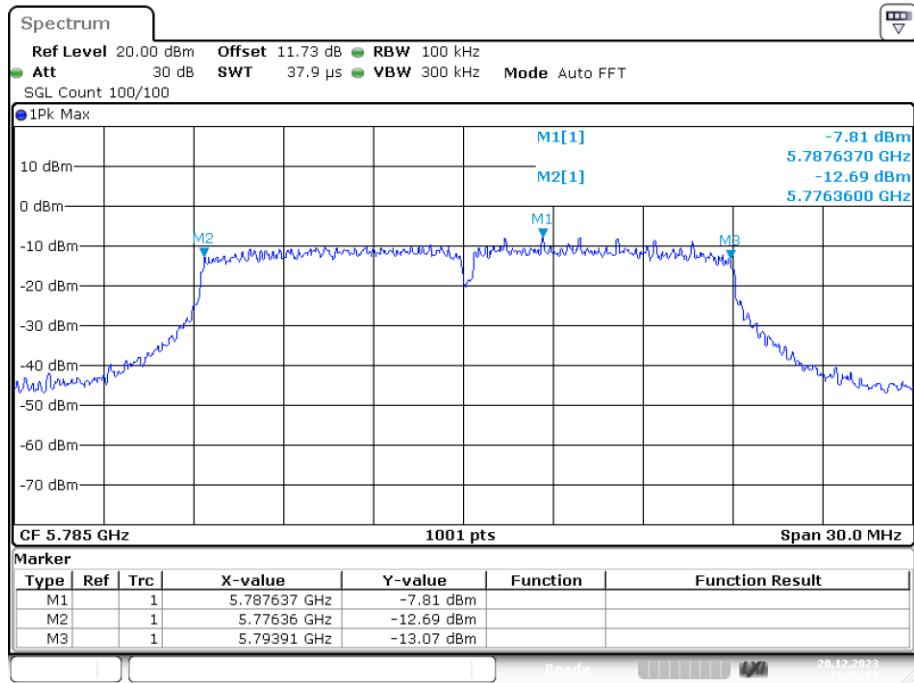
-6dB Bandwidth NVNT a 5745MHz Ant1**-6dB Bandwidth NVNT a 5785MHz Ant1**

-6dB Bandwidth NVNT a 5825MHz Ant1

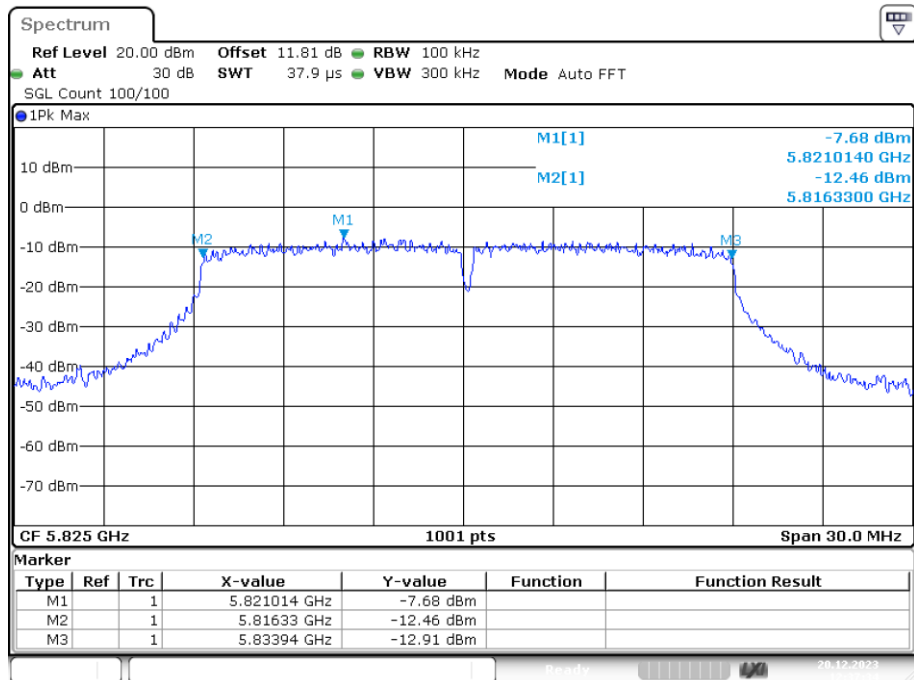
Date: 20.DEC.2023 12:27:41

-6dB Bandwidth NVNT n20 5745MHz Ant1

Date: 20.DEC.2023 12:31:42

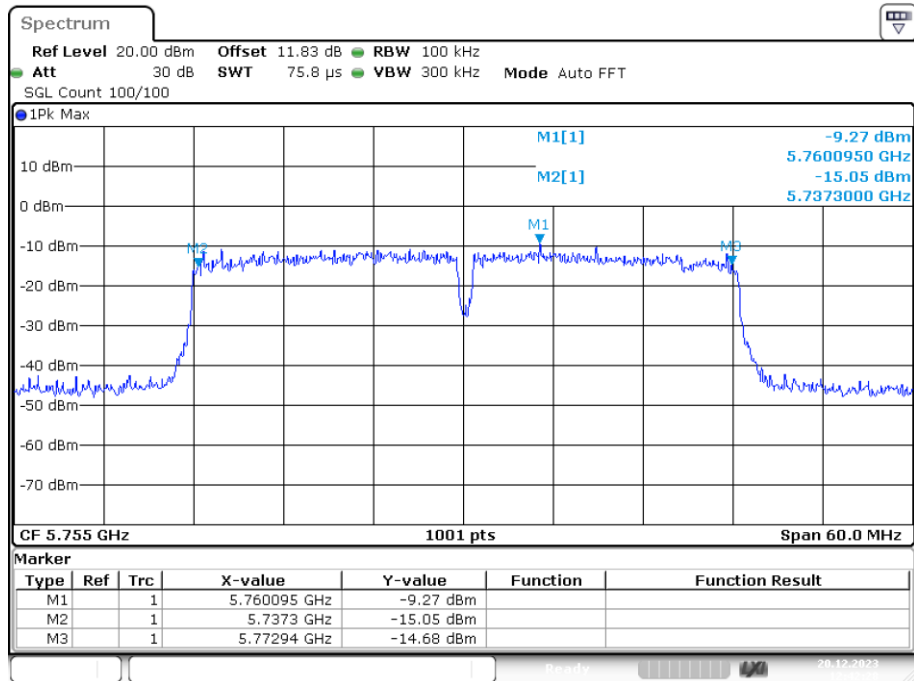
-6dB Bandwidth NVNT n20 5785MHz Ant1

Date: 20.DEC.2023 12:34:18

-6dB Bandwidth NVNT n20 5825MHz Ant1

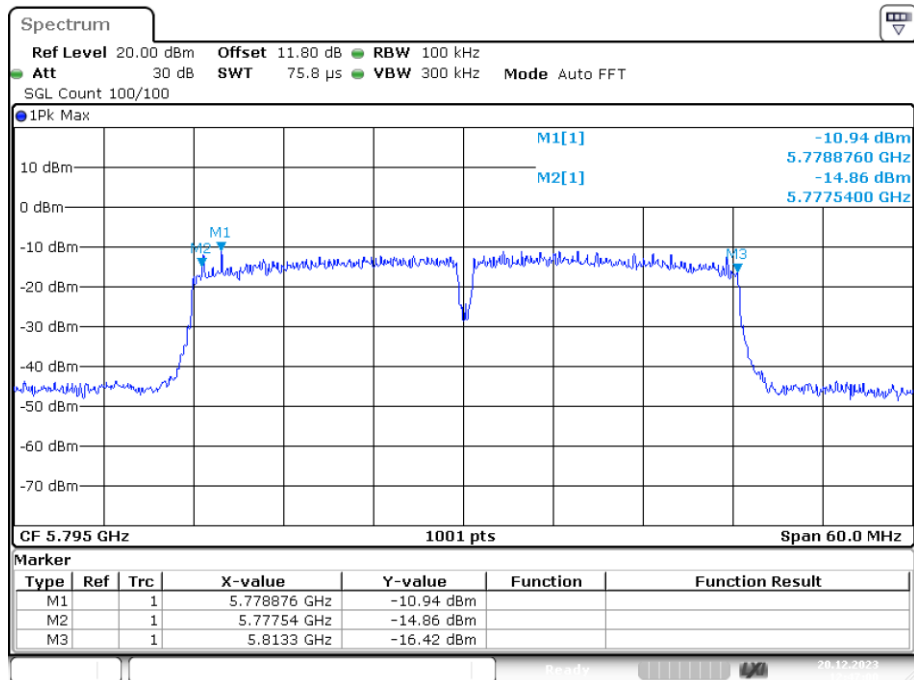
Date: 20.DEC.2023 12:37:33

-6dB Bandwidth NVNT n40 5755MHz Ant1



Date: 20.DEC.2023 12:42:28

-6dB Bandwidth NVNT n40 5795MHz Ant1

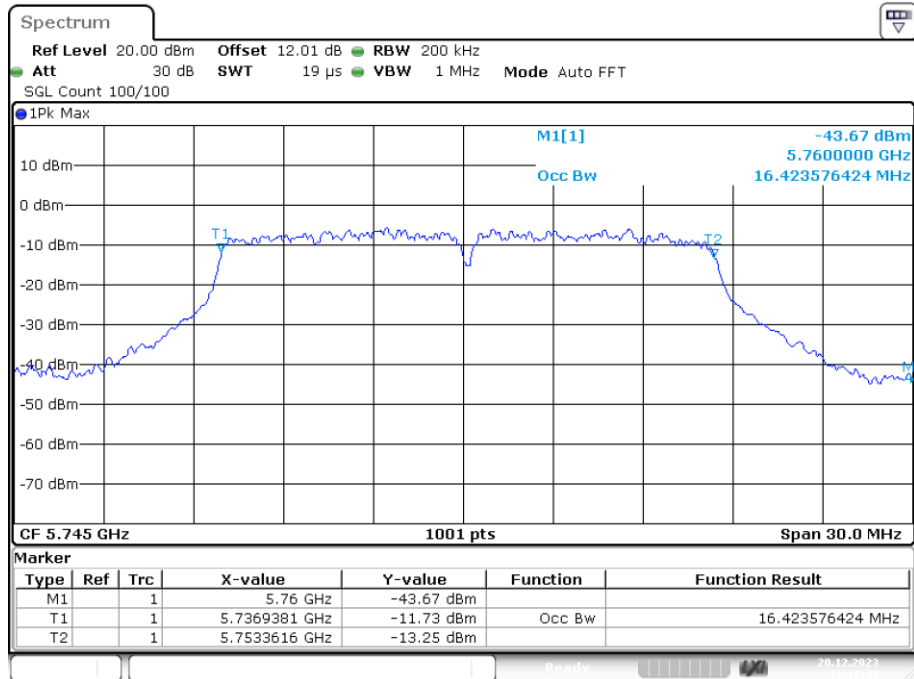


Date: 20.DEC.2023 12:47:00

Occupied Channel Bandwidth

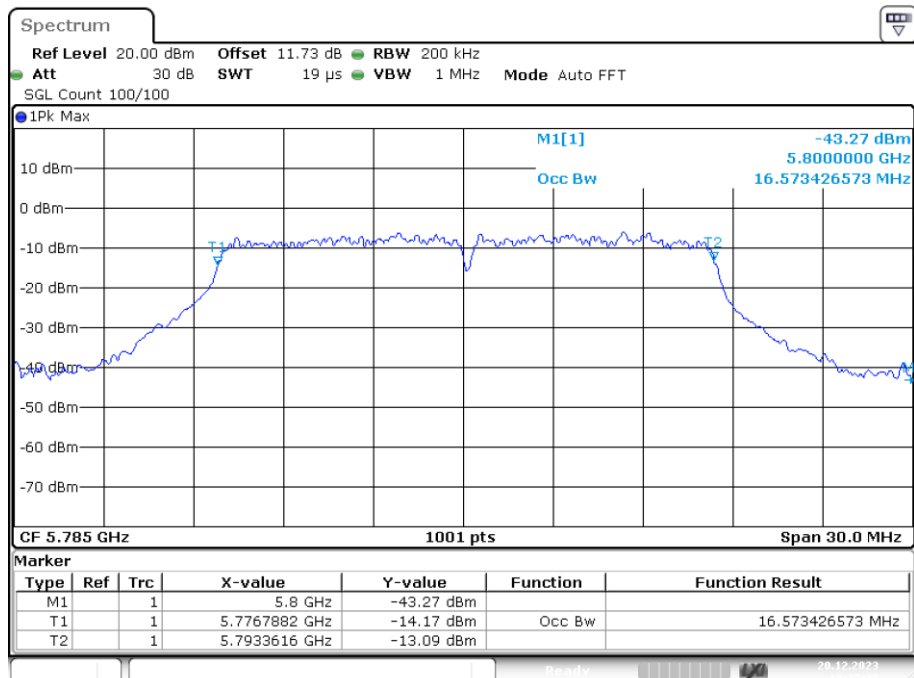
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.424
NVNT	a	5785	Ant1	16.573
NVNT	a	5825	Ant1	16.424
NVNT	n20	5745	Ant1	17.652
NVNT	n20	5785	Ant1	17.562
NVNT	n20	5825	Ant1	17.742
NVNT	n40	5755	Ant1	35.904
NVNT	n40	5795	Ant1	35.844

OBW NVNT a 5745MHz Ant1



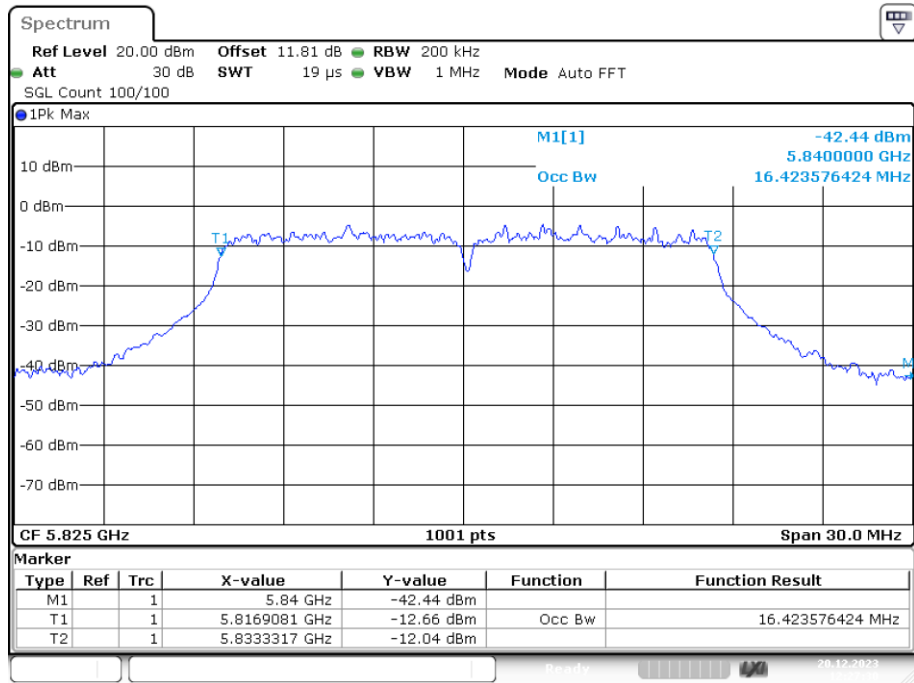
Date: 20.DEC.2023 12:17:47

OBW NVNT a 5785MHz Ant1



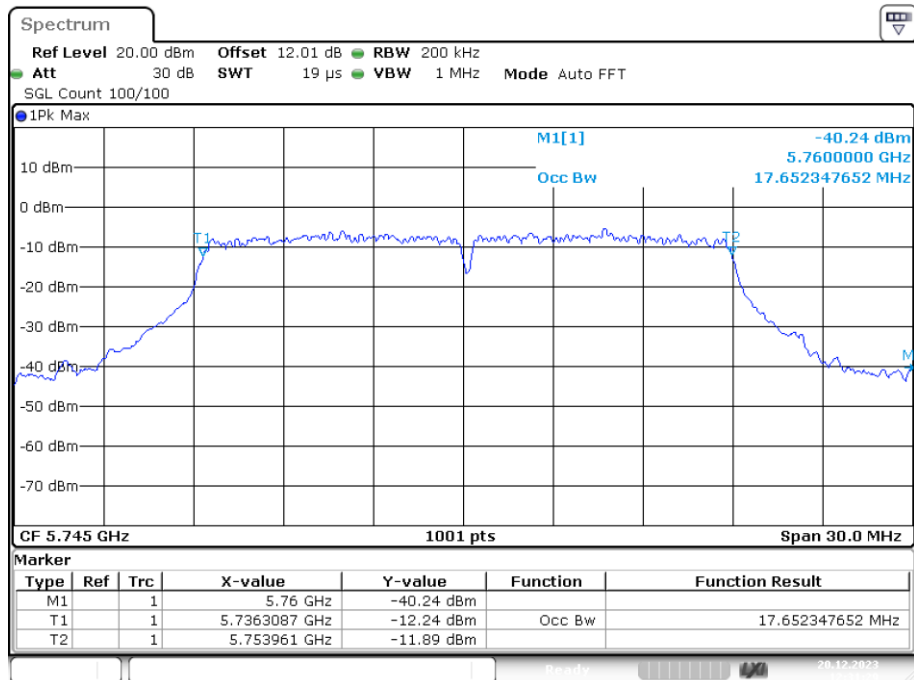
Date: 20.DEC.2023 12:23:27

OBW NVNT a 5825MHz Ant1



Date: 20.DEC.2023 12:27:31

OBW NVNT n20 5745MHz Ant1



Date: 20.DEC.2023 12:31:29