



FCC&IC TEST REPORT

FCC ID: SY4-A02032

On Behalf of

Shanghai Huace Navigation Technology Ltd.

Unmanned Surface Vessel

Model No.: APACHE 3

Prepared for : Shanghai Huace Navigation Technology Ltd.
Address : Building D, 599 Gaojing Road, Qingpu District, 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

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TEST REPORT DECLARATION

Applicant : Shanghai Huace Navigation Technology Ltd.
 Address : Building D, 599 Gaojing Road, Qingpu District, Shanghai, China
 Manufacturer : Shanghai Huace Navigation Technology Ltd.
 Address : Building D, 599 Gaojing Road, Qingpu District, Shanghai, China
 EUT Description : Unmanned Surface Vessel
 (A) Model No. : APACHE 3
 (B) Trademark : 

Measurement Standard Used:

FCC Rules and Regulations Part 15 Subpart E

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

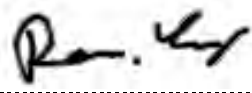
The device described above is tested by Shenzhen Alpha Product Testing Co., Ltd. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart C limits both conducted and radiated emissions. The test results are contained in this 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).....:

Reak Yang
Project Engineer



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

Simple Guan
Project Manager



Date of issue.....

October 14, 2021

Revision History

Revision	Issue Date	Revisions	Revised By
V0	October 14, 2021	Initial released Issue	Reak Yang

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	N/A
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.

2 General Information

2.1 General Description of EUT

EUT Name	: Unmanned Surface Vessel
Trademark	: 
Model No.	: APACHE 3
DIFF.	: /
Power supply	: DC 18V From Battery
Radio Technology	: 5GHz Technology
Operation Frequency	: 802.11a(10) / 802.11n(HT10): 5175-5245MHz, 5255-5325MHz, 5495-5705MHz, 5740-5830MHz 802.11a(20) / 802.11n(HT20): 5180-5240MHz, 5260-5320MHz, 5500-5700MHz, 5745-5825MHz 802.11n(HT30): 5185-5235MHz, 5265-5315MHz, 5505-5695MHz, 5750-5820MHz
Channel separation	: 10MHz, 20MHz for 802.11a/802.11n 30MHz for 802.11n
Modulation technology:	: IEEE 802.11a: OFDM (256QAM, 64QAM, 16QAM,QPSK,BPSK) IEEE 802.11n: OFDM (256QAM, 64QAM, 16QAM,QPSK,BPSK)
Antenna Type	: Rod antenna, Maximum Gain is 13dBi.
Software version	: V1.0
Hardware version	: V1.0

Intend use environment : Residential, commercial and light industrial environment

Remark: The worst-case simultaneous transmission configuration was evaluated with no non-compliance found. Results in this report are only for 5G function, only one antenna port is used, and there is no other transmitter involved.

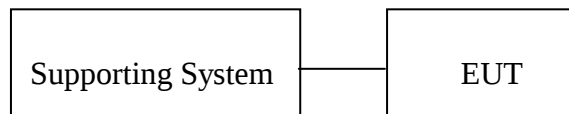
2.2 Accessories of Device (EUT)

Accessories1 : /
Manufacturer : /
Model : /
Ratings : /

2.3 Tested Supporting System Details

No.	Description	Manufacturer	Model	Serial Number	Certification or SDOC
1.	Notebook PC	Lenovo	ThinkPad E14	N/A	SDOC

2.4 Block Diagram of connection between EUT and simulators



2.5 Test mode Description

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.

2.6 Test Conditions

Items	Required	Actual
Temperature range:	15-35℃	24℃
Humidity range:	25-75%	56%
Pressure range:	86-106kPa	98kPa

2.7 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
Designation Number: CN1236

July 15, 2019 Certificated by IC
Registration Number: 12135A

2.8 Measurement Uncertainty

(95% confidence levels, k=2)

Item	Uncertainty
Uncertainty for Power point Conducted Emissions Test	2.74dB
Uncertainty for Radiation Emission test in 3m chamber (below 30MHz)	2.13 dB(Polarize: V)
	2.57dB(Polarize: H)
Uncertainty for Radiation Emission test in 3m chamber (30MHz to 1GHz)	3.77dB(Polarize: V)
	3.80dB(Polarize: H)
Uncertainty for Radiation Emission test in 3m chamber (1GHz to 25GHz)	4.16dB(Polarize: H)
	4.13dB(Polarize: V)
Uncertainty for radio frequency	5.4×10^{-8}
Uncertainty for conducted RF Power	0.37dB
Uncertainty for temperature	0.2℃
Uncertainty for humidity	1%
Uncertainty for DC and low frequency voltages	0.06%

2.9 Test Instruments list

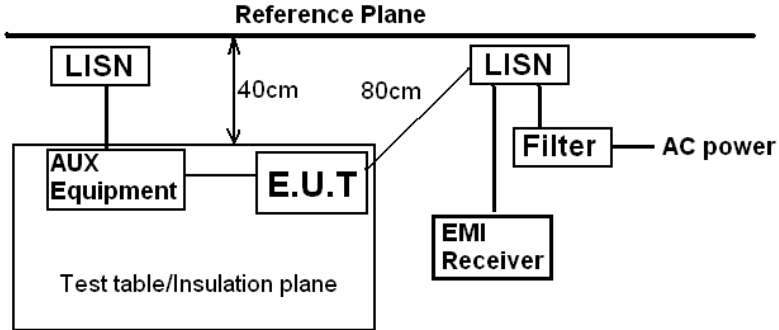
Equipment	Manufacture	Model No.	Serial No.	Last cal.	Cal Interval
9*6*6 anechoic chamber	CHENYU	9*6*6	N/A	2020.09.02	3Year
Spectrum analyzer	ROHDE&SCHWARZ	FSV40-N	102137	2021.08.25	1Year
Spectrum analyzer	Agilent	N9020A	MY499100060	2021.08.25	1Year
Receiver	ROHDE&SCHWARZ	ESR	1316.3003K03-102082-Wa	2021.08.25	1Year
Receiver	R&S	ESCI	101165	2021.08.25	1Year
Bilog Antenna	Schwarzbeck	VULB 9168	VULB9168-438	2020.04.12	2Year
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D(1201)	2020.04.12	2Year
Active Loop Antenna	SCHWARZBECK	FMZB 1519B	00059	2021.08.30	2Year
RF Cable	Resenberger	Cable 1	RE1	2021.08.25	1Year
RF Cable	Resenberger	Cable 2	RE2	2021.08.25	1Year
RF Cable	Resenberger	Cable 3	CE1	2021.08.25	1Year
Pre-amplifier	HP	HP8347A	2834A00455	2021.08.25	1Year
Pre-amplifier	Agilent	8449B	3008A02664	2021.08.25	1Year
L.I.S.N.#1	Schwarzbeck	NSLK8126	8126-466	2021.08.25	1Year
L.I.S.N.#2	ROHDE&SCHWARZ	ENV216	101043	2021.08.25	1 Year
Horn Antenna	SCHWARZBECK	BBHA9170	00946	2021.08.30	2 Year
Preamplifier	SKET	LNPA_1840-50	SK2018101801	2021.08.25	1 Year
Power Meter	Agilent	E9300A	MY41496628	2021.08.25	1 Year
Power Sensor	DARE	RPR3006W	15100041SNO91	2021.08.25	1 Year
Temp. & Humid. Chamber	Weihuang	WHTH-1000-40-880	100631	2021.04.21	1 Year
Switching Mode Power Supply	JUNKE	JK12010S	20140927-6	2021.08.25	1 Year
10dB Attenuator	Mini-Circuits	N/A	N/A	N/A	N/A
Adjustable attenuator	MWRFtest	N/A	N/A	N/A	N/A

3 Test results and Measurement Data

3.1 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 Rod antenna. The antenna connector is unique antenna and no consideration of replacement. The Max. gain of the antenna is 13dBi for 5.15~5.25GHz, 5.25~5.35GHz , 5.47~5.725GHz, 5.725~5.85GHz	

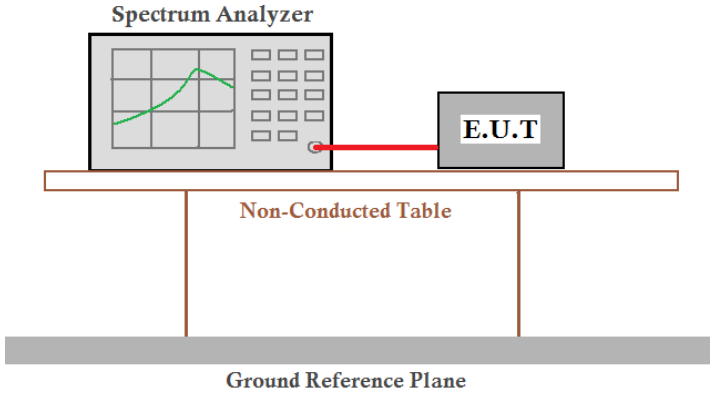
3.2 Conducted Emissions

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:	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:	 <i>Remark</i> <i>E.U.T: Equipment Under Test</i> <i>LISN: Line Impedence Stabilization Network</i> <i>Test table height=0.8m</i>		
Test Instruments:	Refer to section 5.10 for details		
Test mode:	Refer to section 5.3 for details		
Test results:	N/A		

Measurement Data

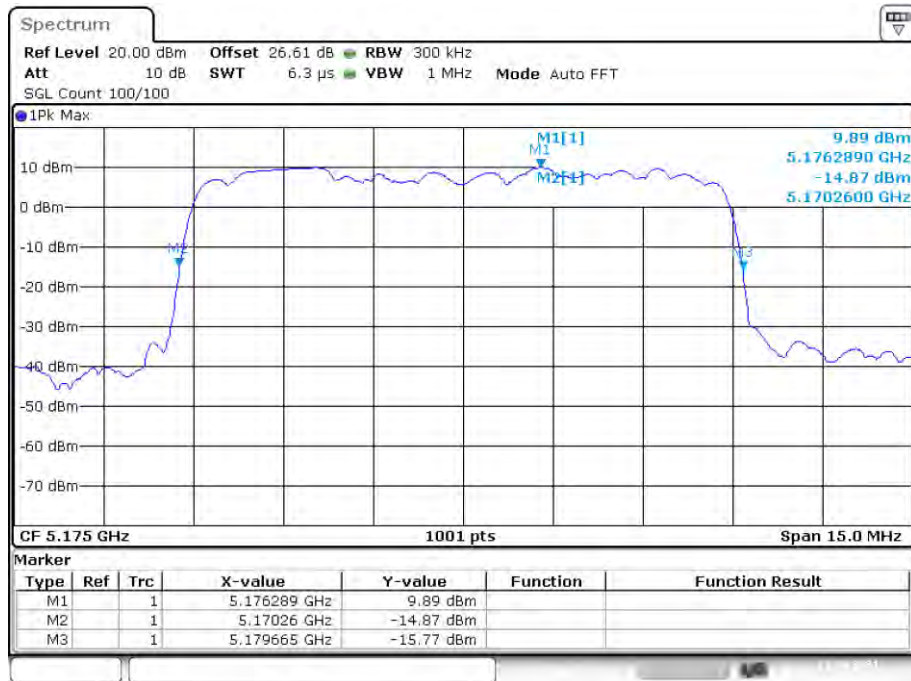
An initial pre-scan was performed on the line and neutral lines with peak detector. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.

3.3 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:	 The diagram illustrates the test setup. A Spectrum Analyzer, showing a frequency spectrum on its screen, is connected to an Equipment Under Test (E.U.T.) 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 a Ground Reference Plane, which is represented by a thick grey 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

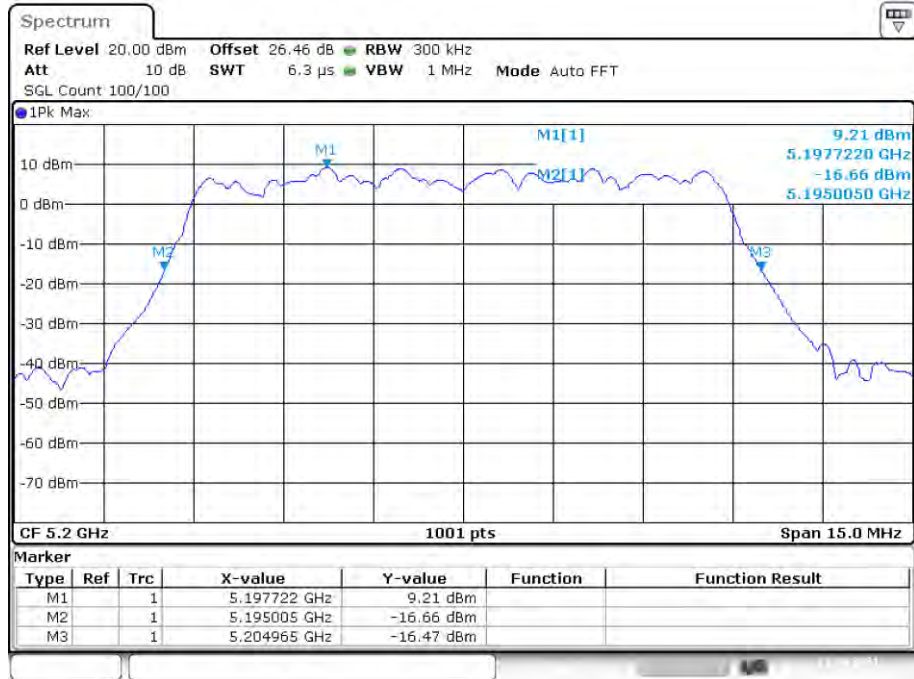
Measurement Data:**Band 1 (5150-5250 MHz):****-26dB Bandwidth**

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a10	5175	Ant1	9.405	0.5	Pass
NVNT	a10	5200	Ant1	9.96	0.5	Pass
NVNT	a10	5245	Ant1	10.02	0.5	Pass
NVNT	a20	5180	Ant1	19.17	0.5	Pass
NVNT	a20	5200	Ant1	20.49	0.5	Pass
NVNT	a20	5240	Ant1	21.15	0.5	Pass
NVNT	n10	5175	Ant1	10.395	0.5	Pass
NVNT	n10	5200	Ant1	10.065	0.5	Pass
NVNT	n10	5245	Ant1	10.035	0.5	Pass
NVNT	n20	5180	Ant1	20.13	0.5	Pass
NVNT	n20	5200	Ant1	20.13	0.5	Pass
NVNT	n20	5240	Ant1	19.8	0.5	Pass
NVNT	n30	5185	Ant1	28.89	0.5	Pass
NVNT	n30	5235	Ant1	28.125	0.5	Pass

-26dB Bandwidth NVNT a10 5175MHz Ant1

Date: 12.OCT.2021 11:01:51

-26dB Bandwidth NVNT a10 5200MHz Ant1



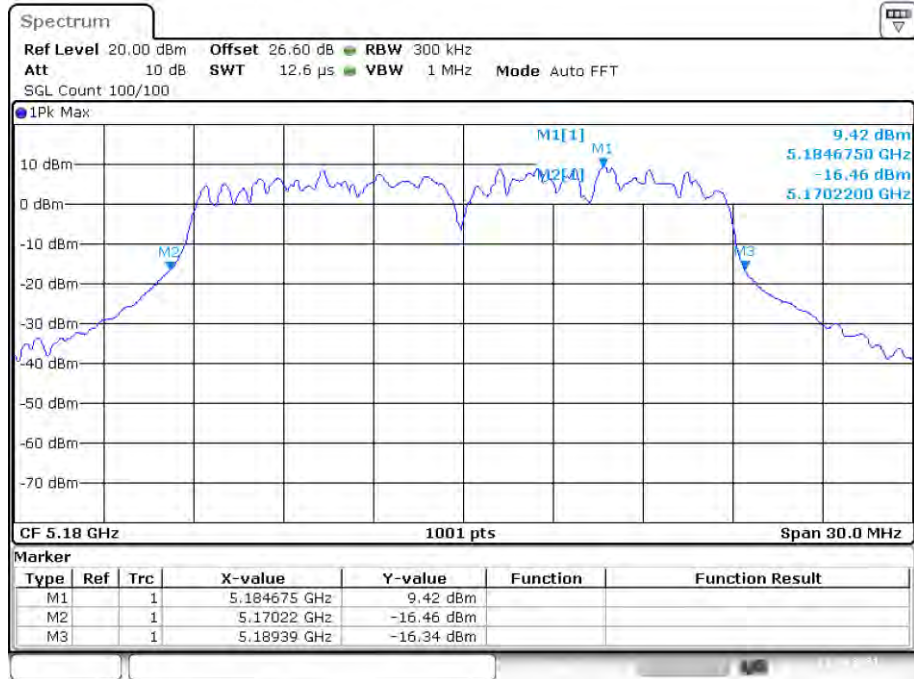
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-26dB Bandwidth NVNT a10 5245MHz Ant1



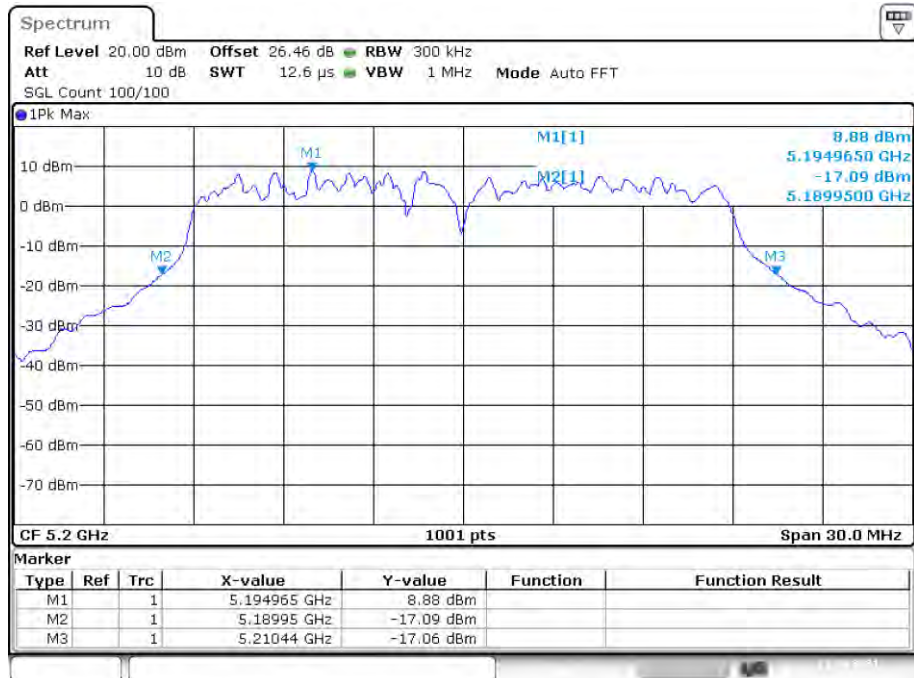
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-26dB Bandwidth NVNT a20 5180MHz Ant1



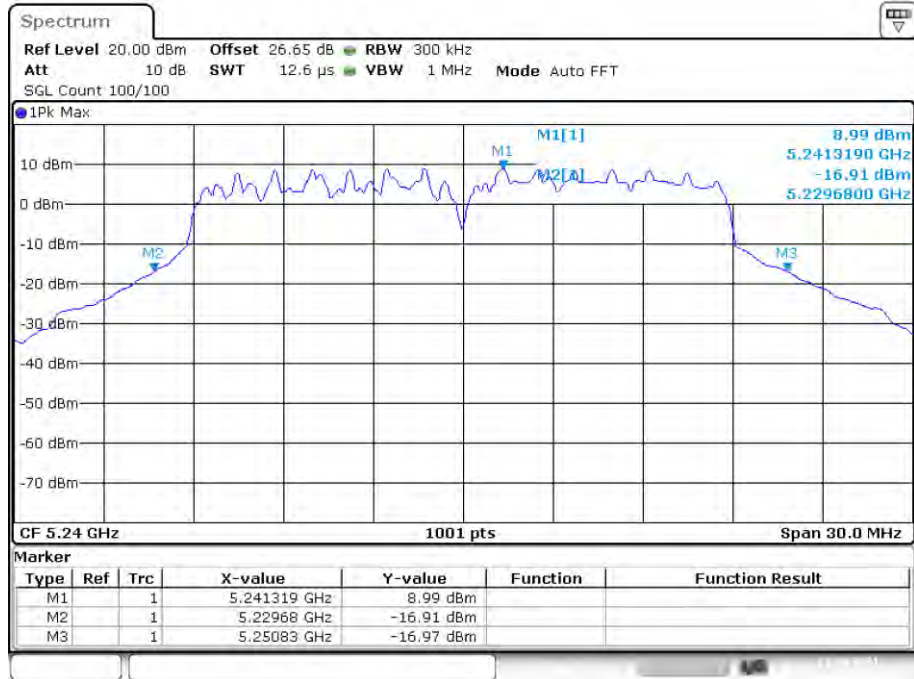
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-26dB Bandwidth NVNT a20 5200MHz Ant1



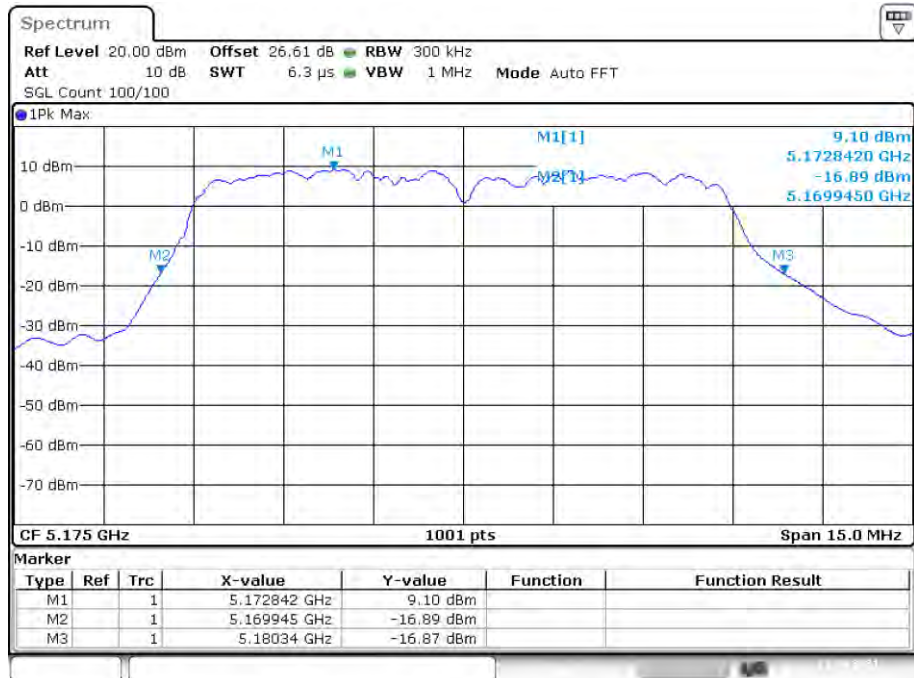
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-26dB Bandwidth NVNT a20 5240MHz Ant1

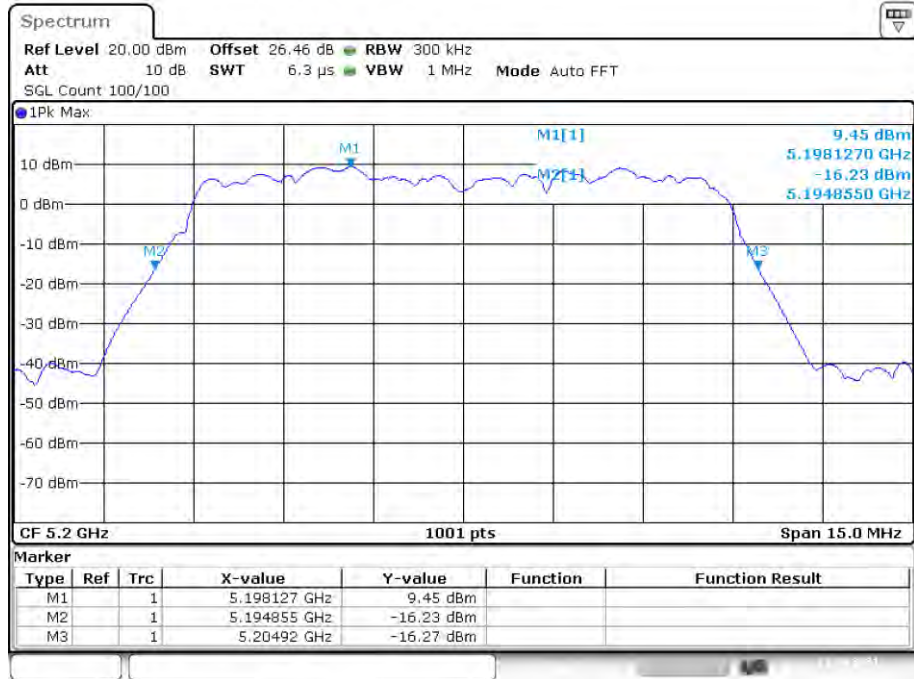


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-26dB Bandwidth NVNT n10 5175MHz Ant1



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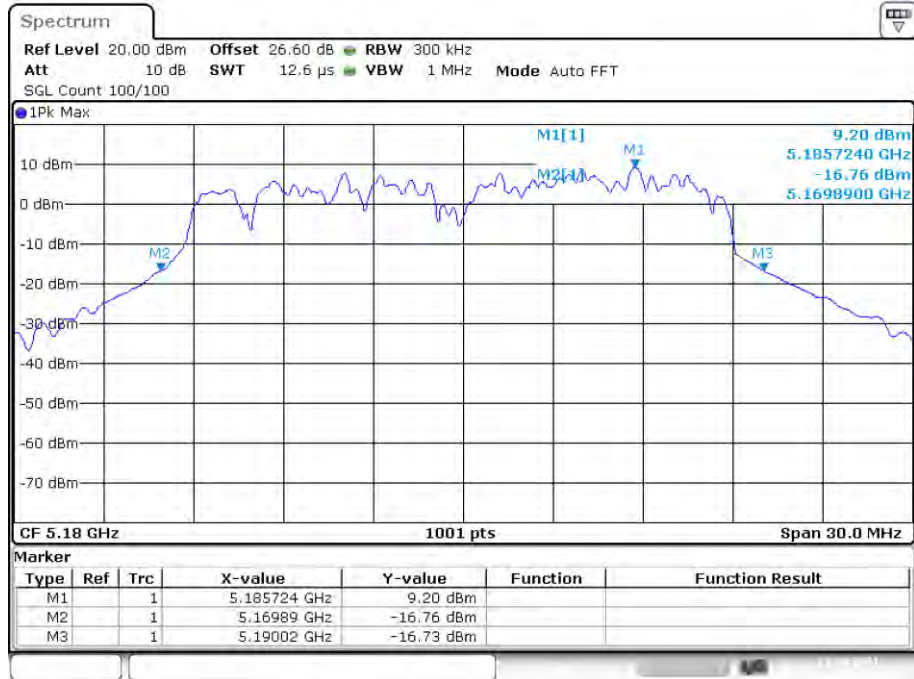
-26dB Bandwidth NVNT n10 5200MHz Ant1

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-26dB Bandwidth NVNT n10 5245MHz Ant1

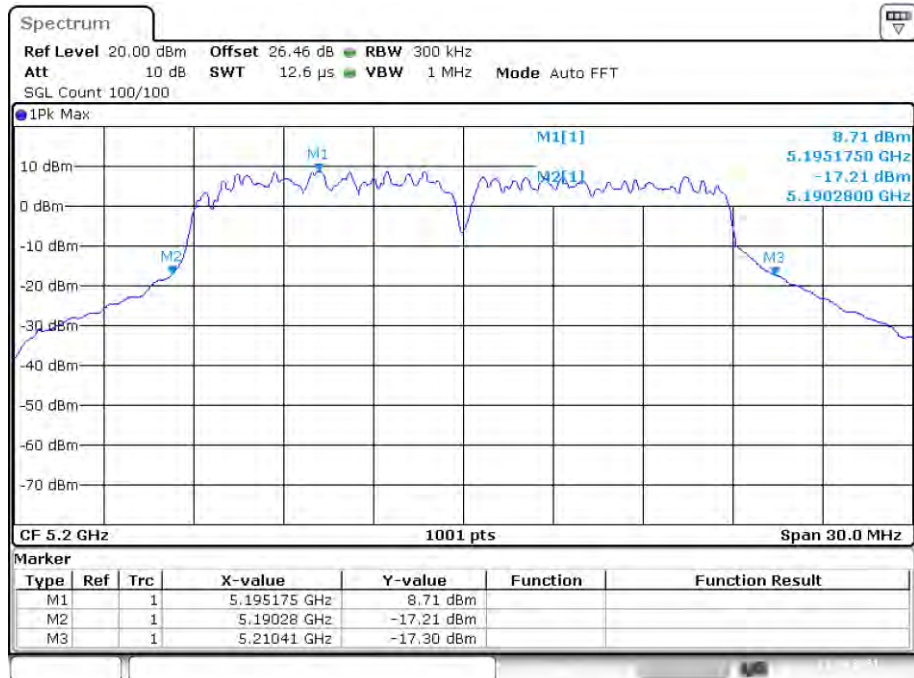
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-26dB Bandwidth NVNT n20 5180MHz Ant1

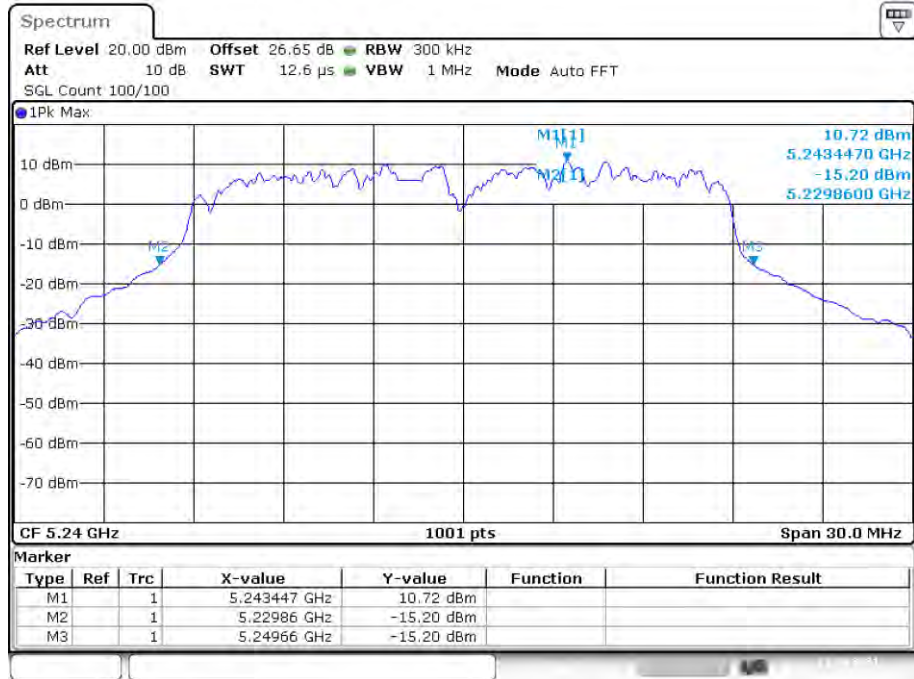


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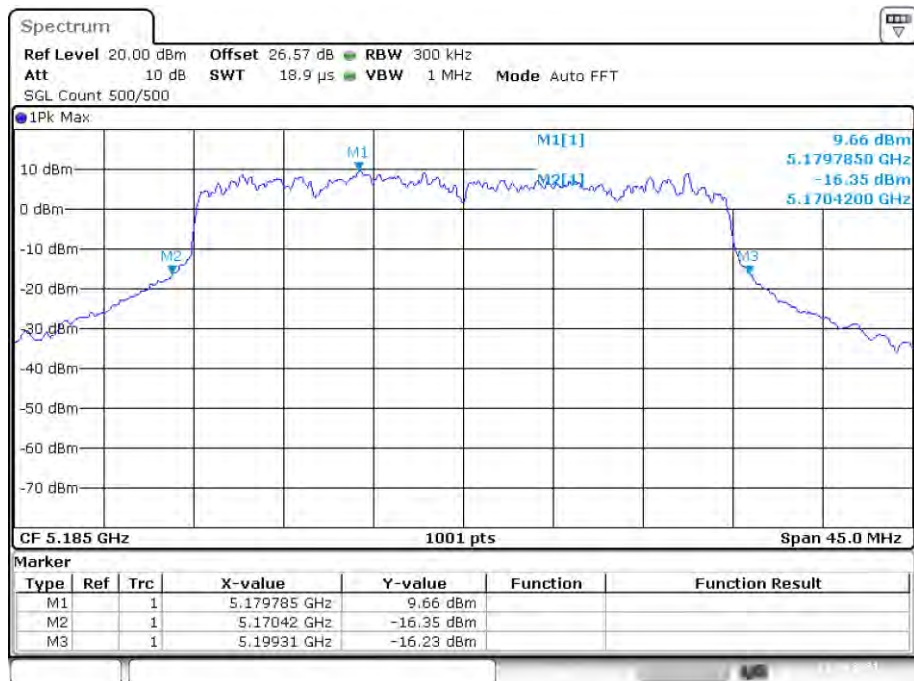
-26dB Bandwidth NVNT n20 5200MHz Ant1



Date: 12.OCT.2021 12:22:47

-26dB Bandwidth NVNT n20 5240MHz Ant1

Date: 12.OCT.2021 12:37:46

-26dB Bandwidth NVNT n30 5185MHz Ant1

Date: 12.OCT.2021 12:51:54

-26dB Bandwidth NVNT n30 5235MHz Ant1

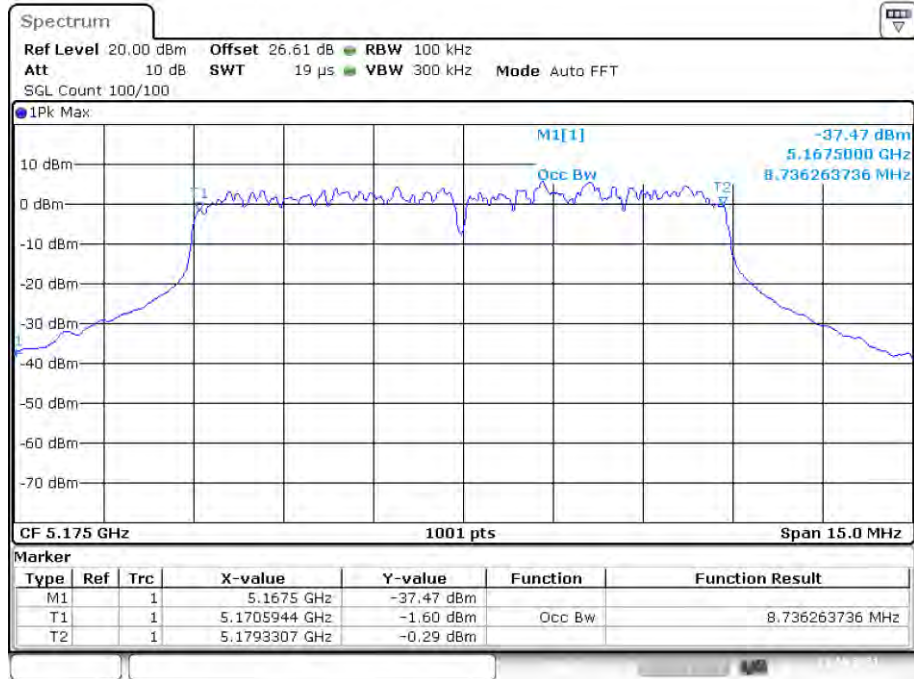


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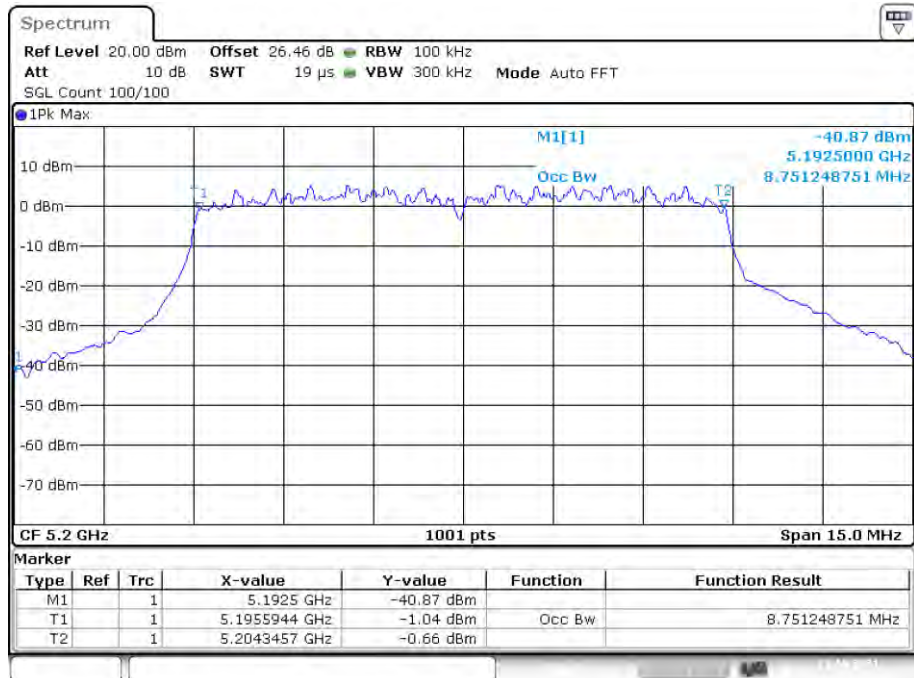
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a10	5175	Ant1	8.736
NVNT	a10	5200	Ant1	8.751
NVNT	a10	5245	Ant1	8.796
NVNT	a20	5180	Ant1	17.502
NVNT	a20	5200	Ant1	17.592
NVNT	a20	5240	Ant1	17.562
NVNT	n10	5175	Ant1	8.631
NVNT	n10	5200	Ant1	8.781
NVNT	n10	5245	Ant1	8.721
NVNT	n20	5180	Ant1	17.532
NVNT	n20	5200	Ant1	16.963
NVNT	n20	5240	Ant1	17.473
NVNT	n30	5185	Ant1	26.344
NVNT	n30	5235	Ant1	25.714

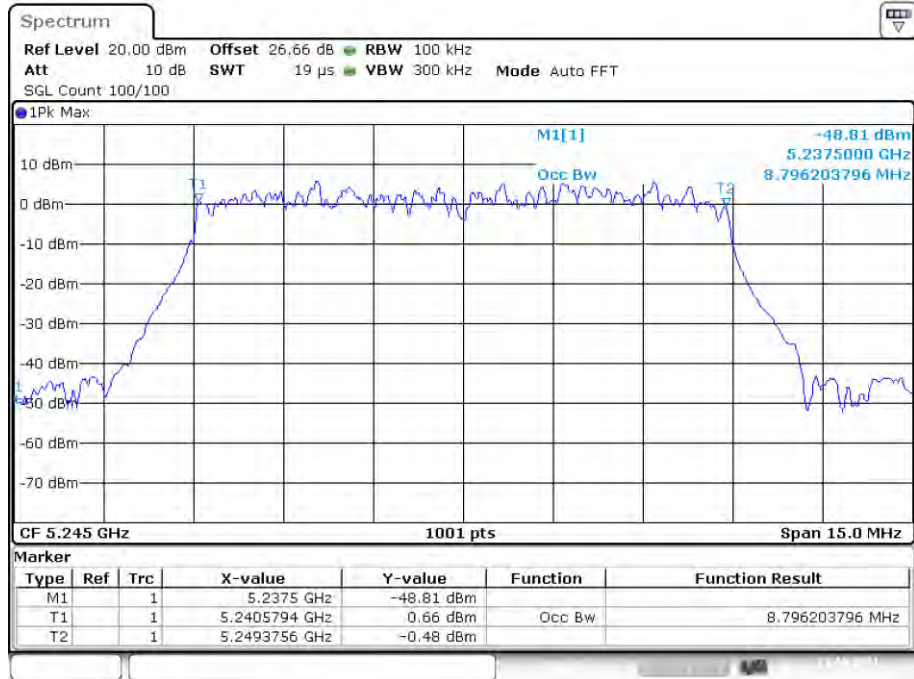
OBW NVNT a10 5175MHz Ant1



OBW NVNT a10 5200MHz Ant1

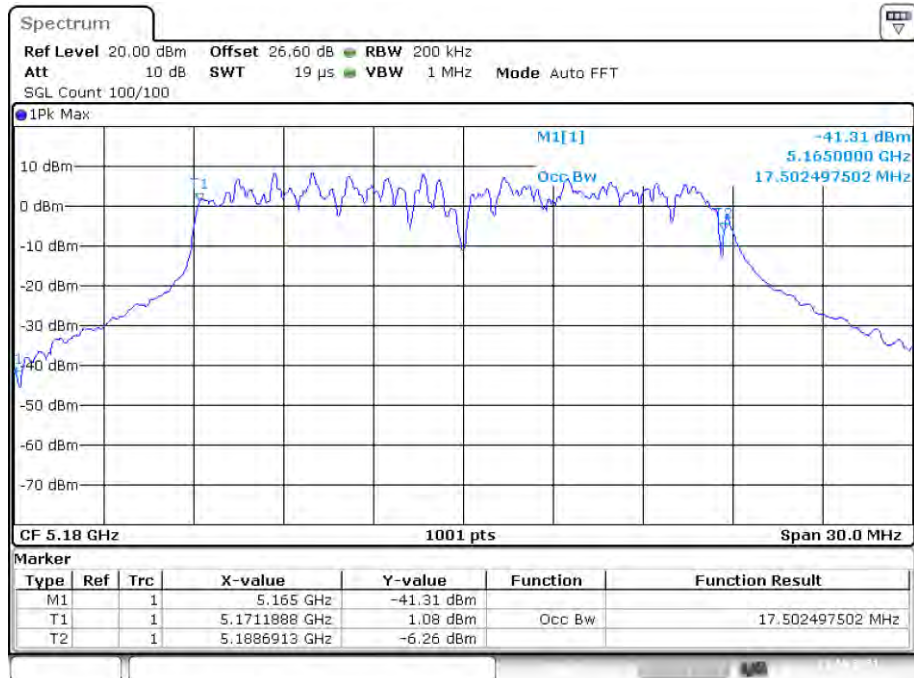


OBW NVNT a10 5245MHz Ant1



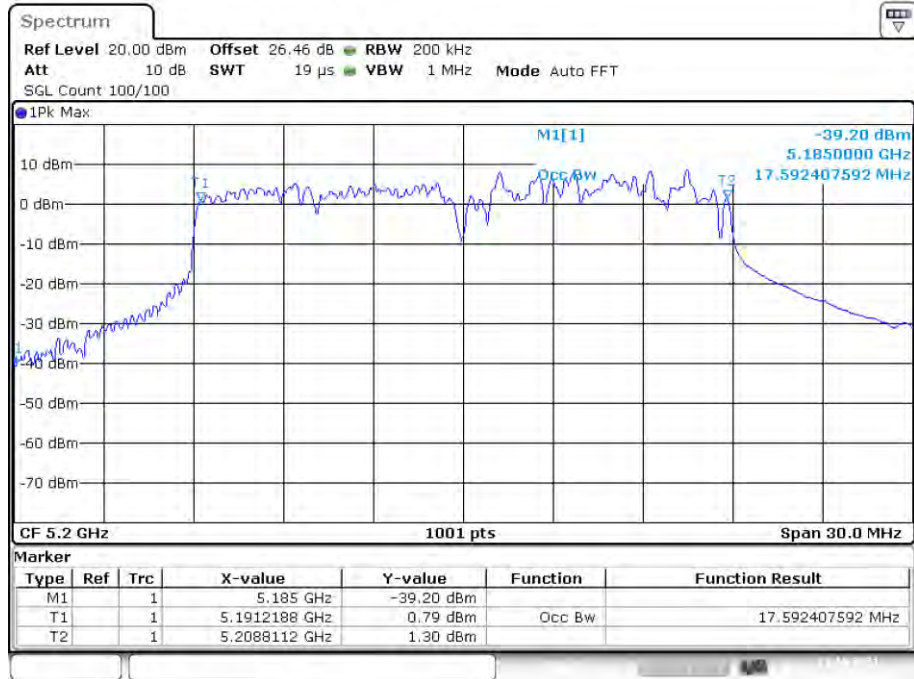
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OBW NVNT a20 5180MHz Ant1



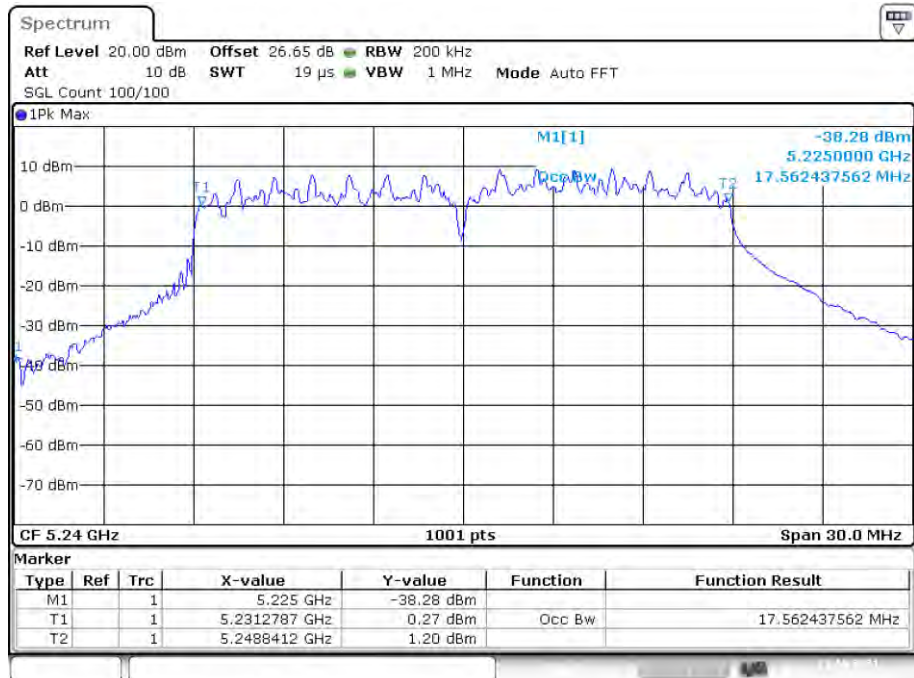
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OBW NVNT a20 5200MHz Ant1



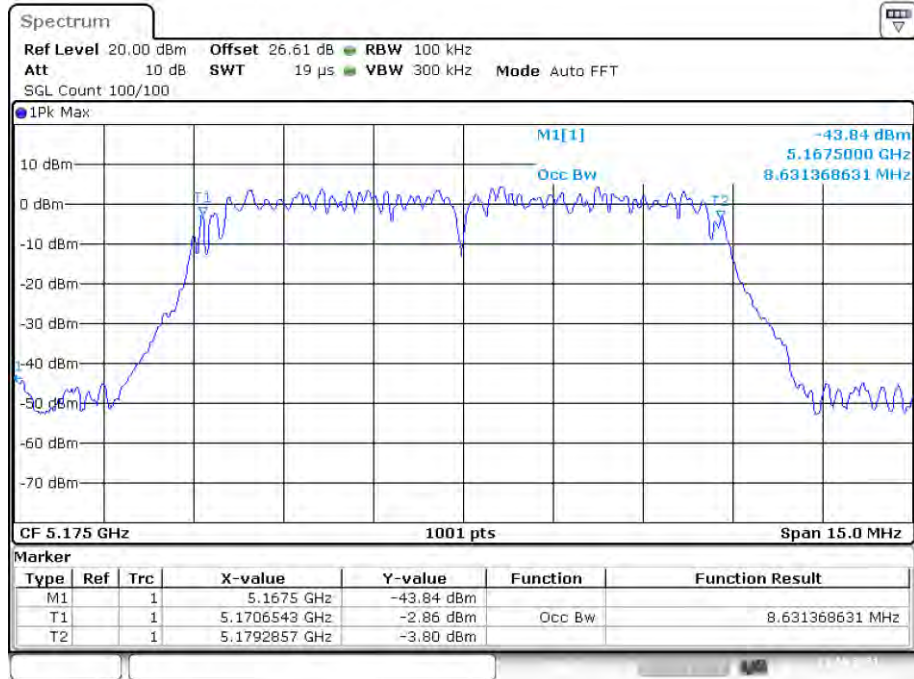
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OBW NVNT a20 5240MHz Ant1

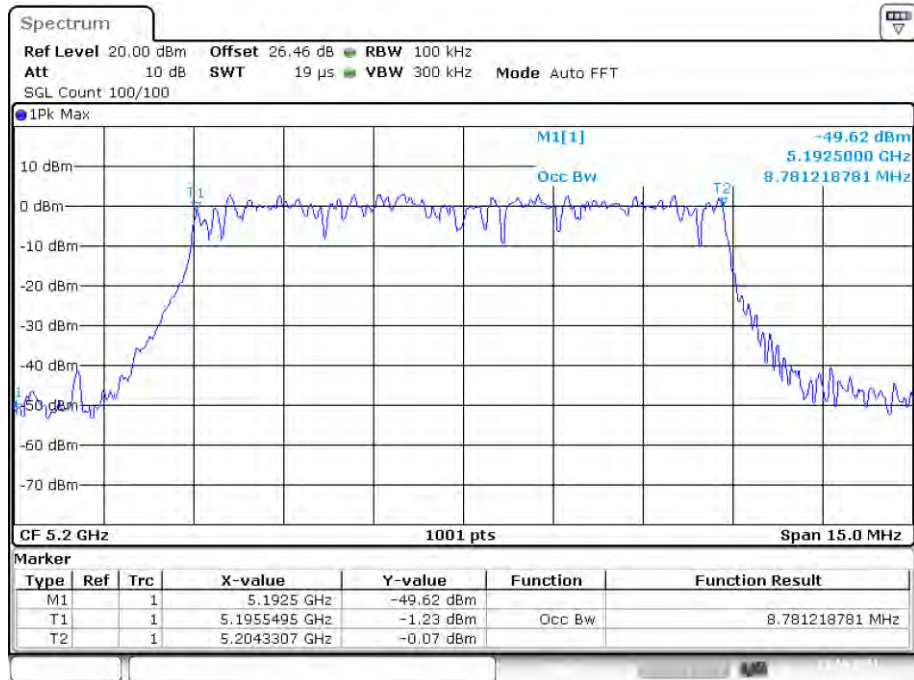


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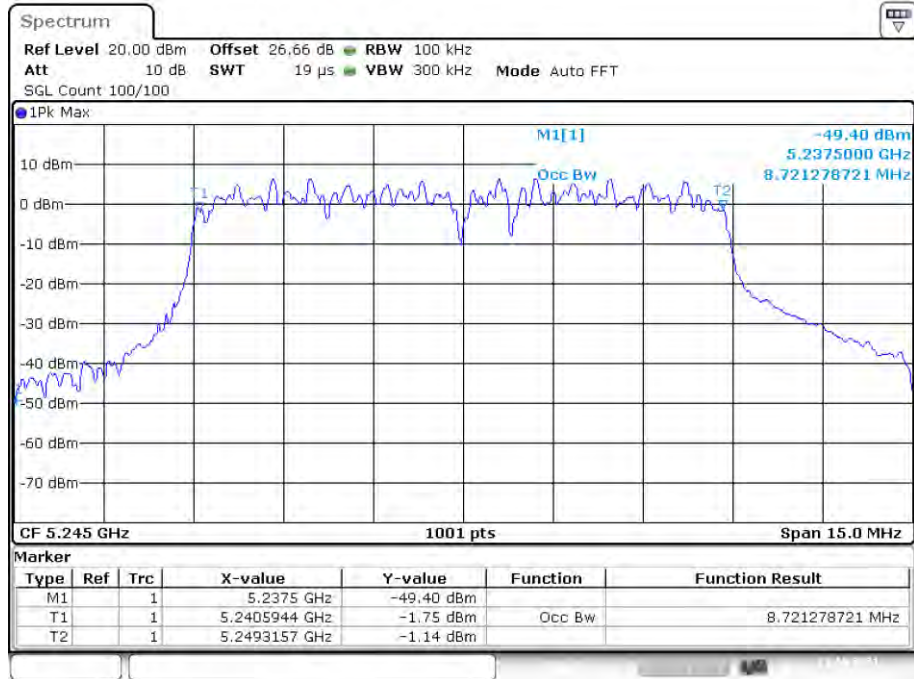
OBW NVNT n10 5175MHz Ant1



OBW NVNT n10 5200MHz Ant1

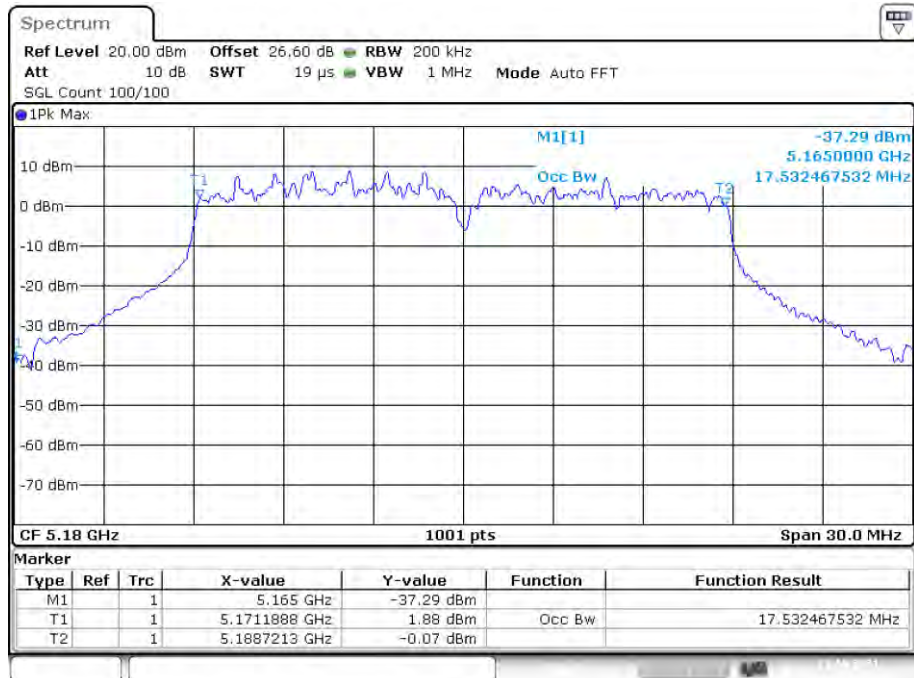


OBW NVNT n10 5245MHz Ant1



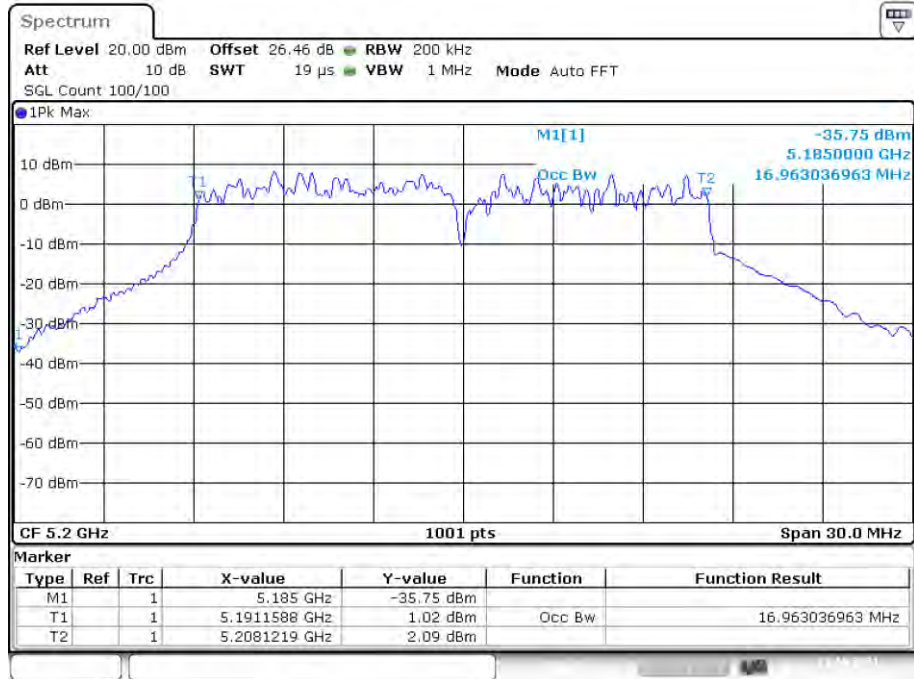
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OBW NVNT n20 5180MHz Ant1



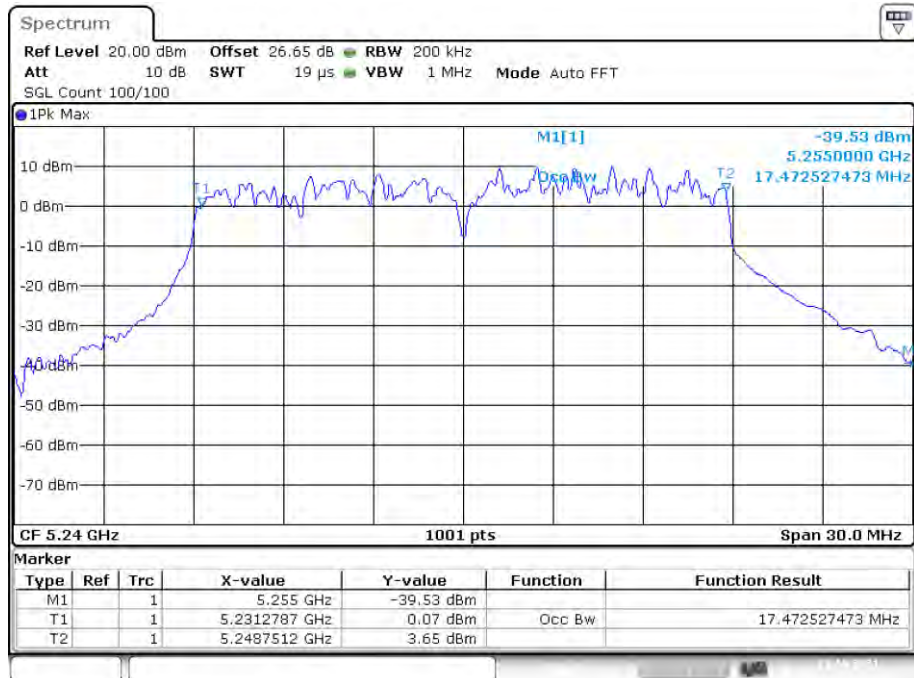
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OBW NVNT n20 5200MHz Ant1



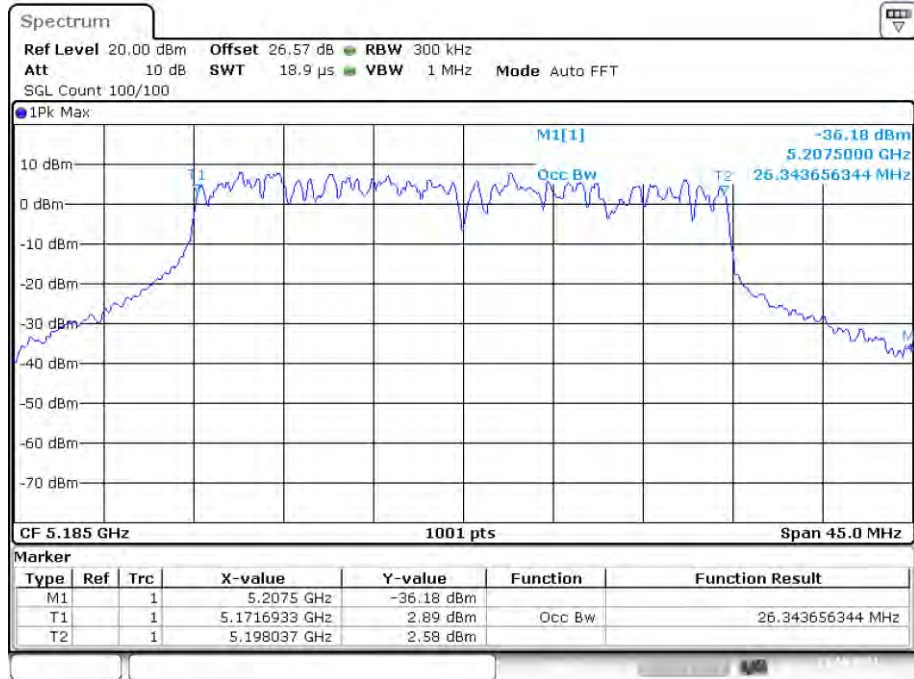
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OBW NVNT n20 5240MHz Ant1



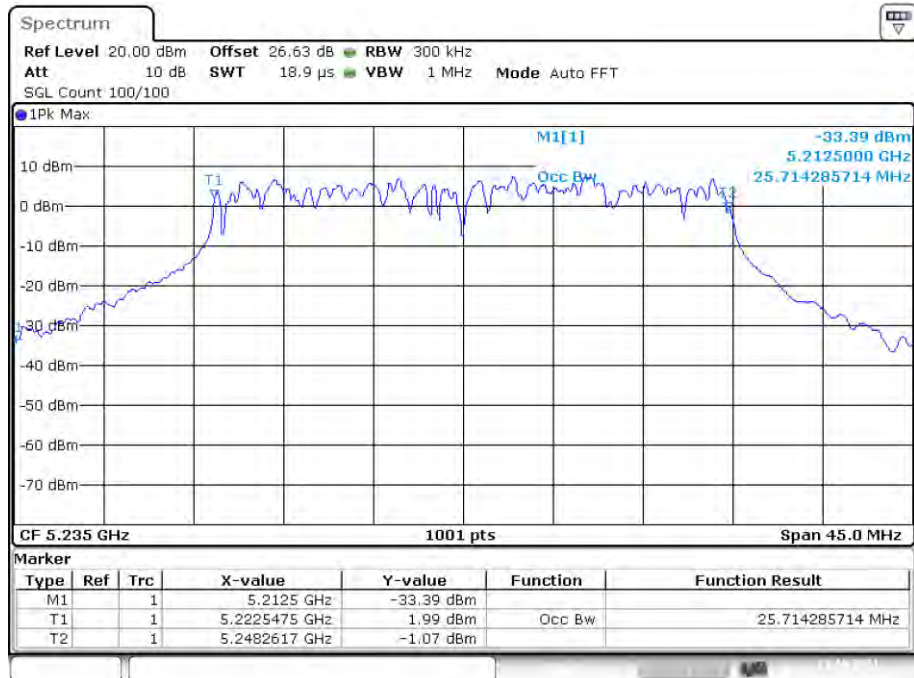
Date: 12.OCT.2021 12:41:18

OBW NVNT n30 5185MHz Ant1



Date: 12.OCT.2021 12:55:33

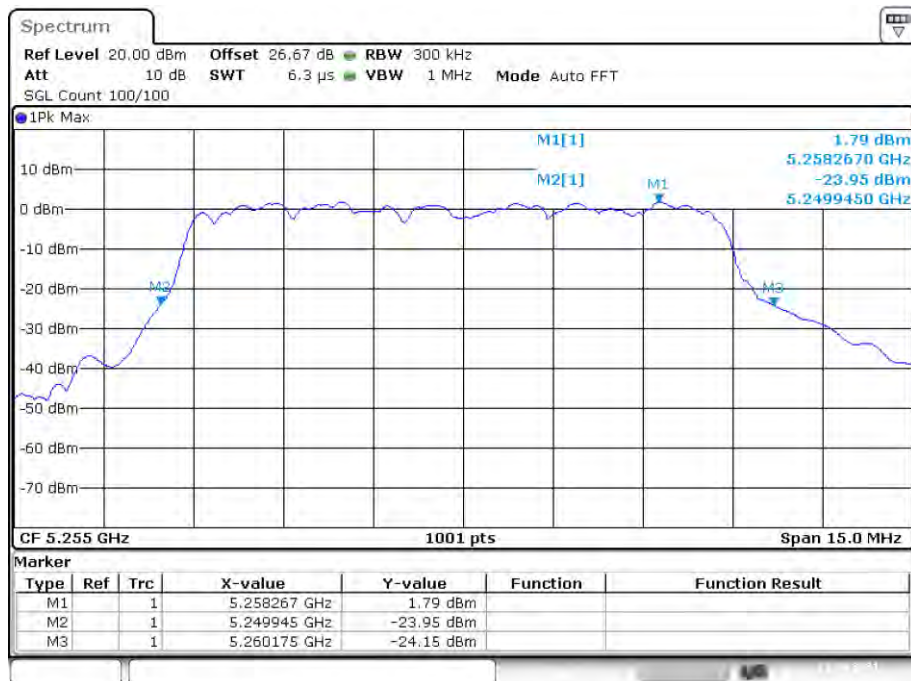
OBW NVNT n30 5235MHz Ant1



Date: 12.OCT.2021 13:07:17

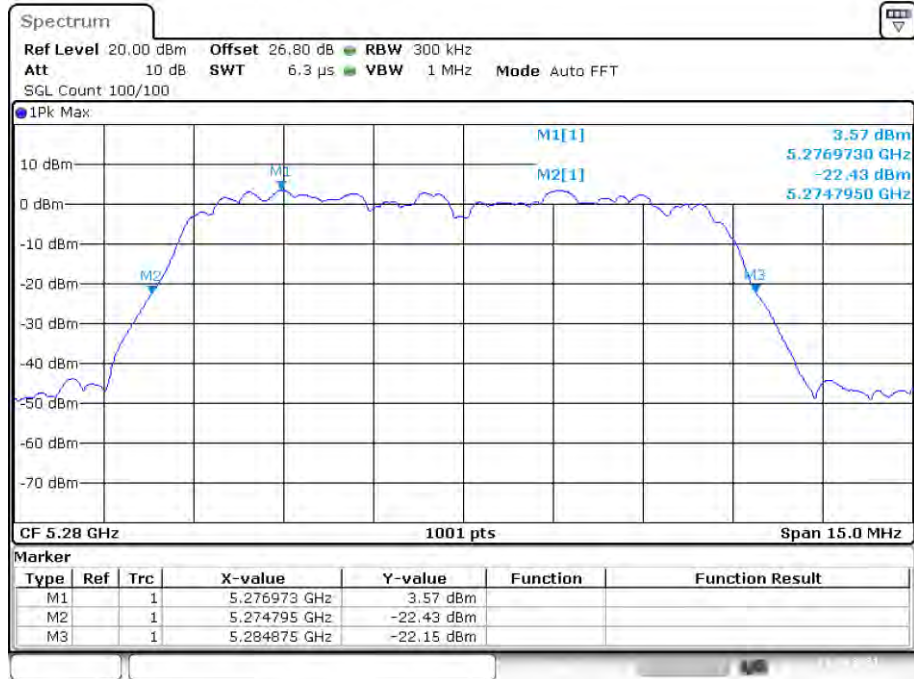
Band 2 (5250-5350 MHz):**-26dB Bandwidth**

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a10	5255	Ant1	10.23	0.5	Pass
NVNT	a10	5280	Ant1	10.08	0.5	Pass
NVNT	a10	5325	Ant1	10.125	0.5	Pass
NVNT	a20	5260	Ant1	20.16	0.5	Pass
NVNT	a20	5280	Ant1	19.89	0.5	Pass
NVNT	a20	5320	Ant1	20.43	0.5	Pass
NVNT	n10	5255	Ant1	10.935	0.5	Pass
NVNT	n10	5280	Ant1	9.465	0.5	Pass
NVNT	n10	5325	Ant1	9.615	0.5	Pass
NVNT	n20	5260	Ant1	19.83	0.5	Pass
NVNT	n20	5280	Ant1	20.22	0.5	Pass
NVNT	n20	5320	Ant1	21	0.5	Pass
NVNT	n30	5265	Ant1	28.89	0.5	Pass
NVNT	n30	5315	Ant1	27.765	0.5	Pass

-26dB Bandwidth NVNT a10 5255MHz Ant1

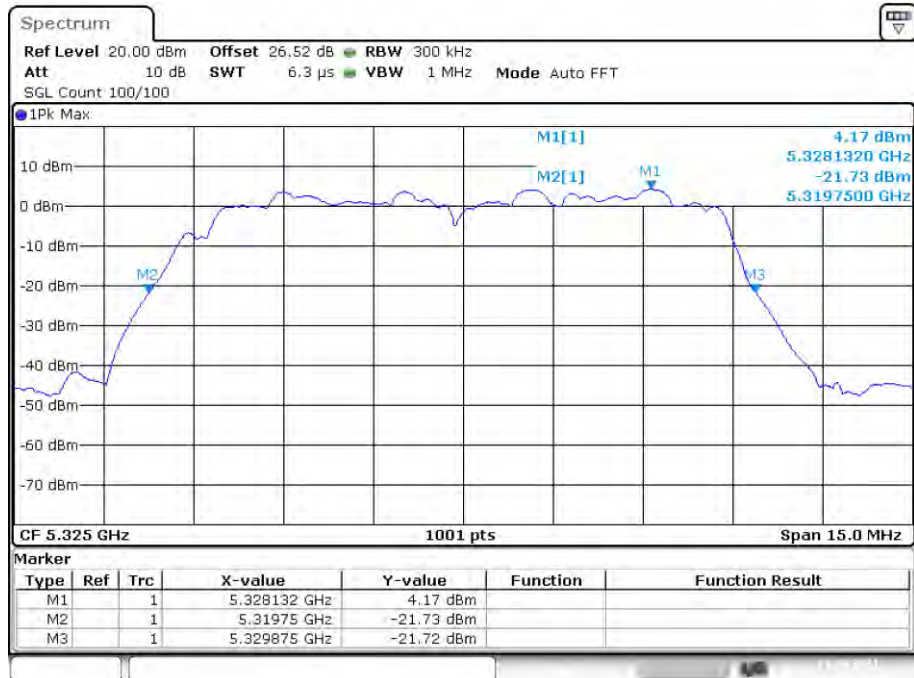
Date: 12.OCT.2021 16:29:31

-26dB Bandwidth NVNT a10 5280MHz Ant1



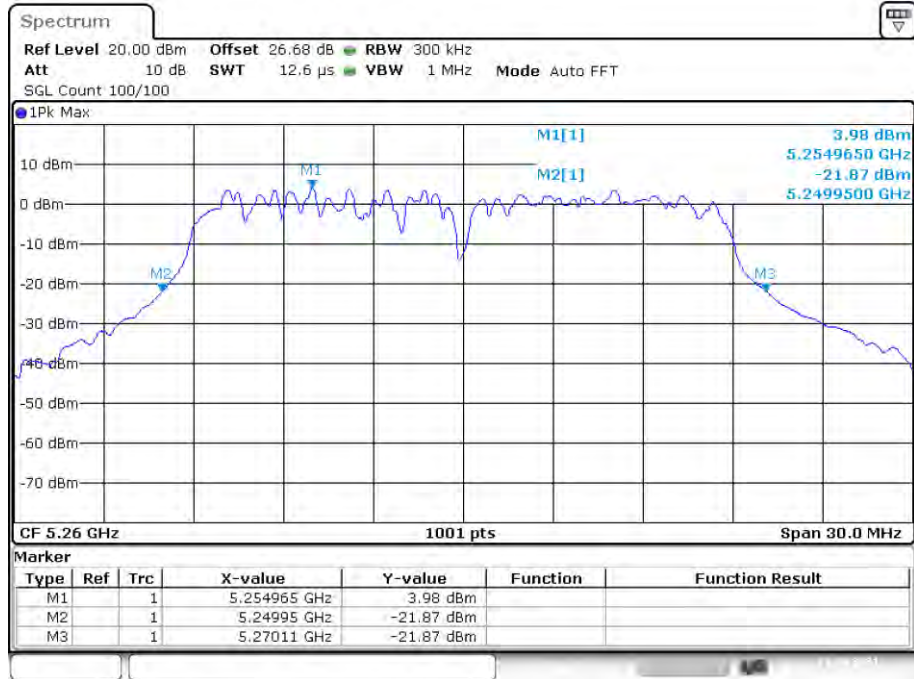
Date: 13.OCT.2021 04:26:18

-26dB Bandwidth NVNT a10 5325MHz Ant1



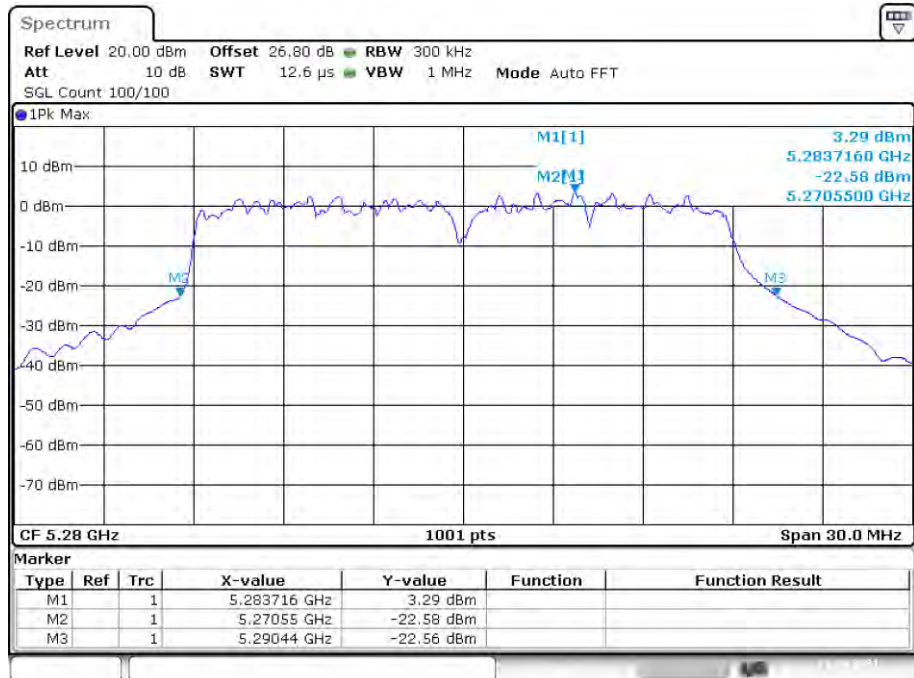
Date: 13.OCT.2021 04:33:41

-26dB Bandwidth NVNT a20 5260MHz Ant1

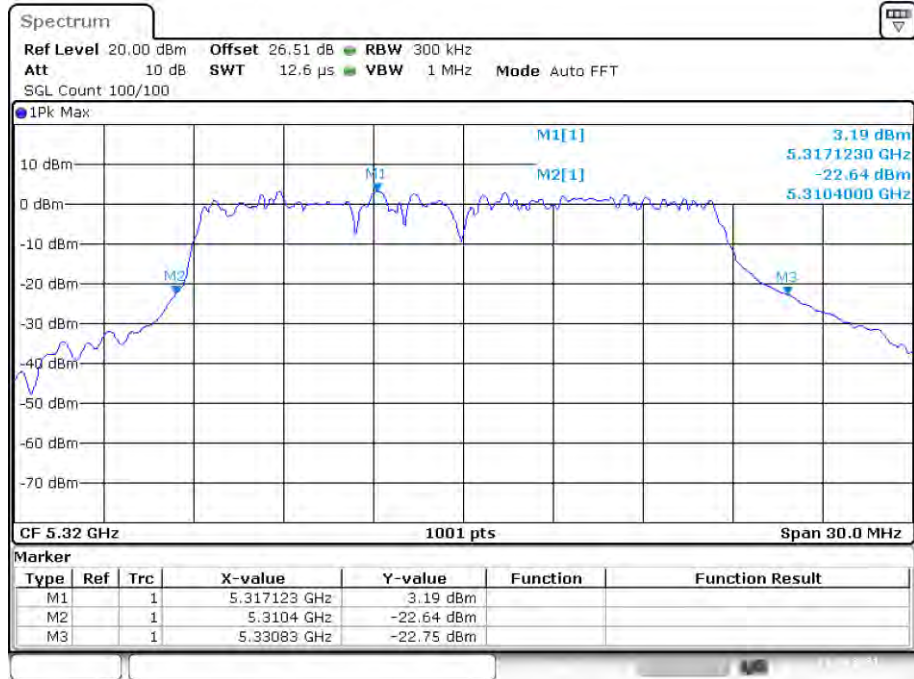


Date: 13.OCT.2021 04:58:49

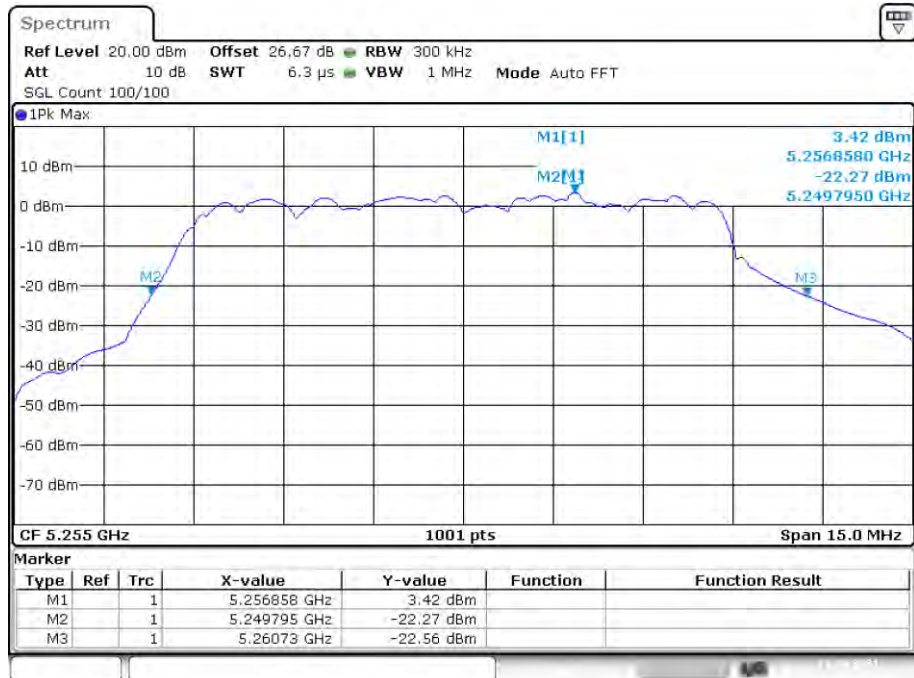
-26dB Bandwidth NVNT a20 5280MHz Ant1



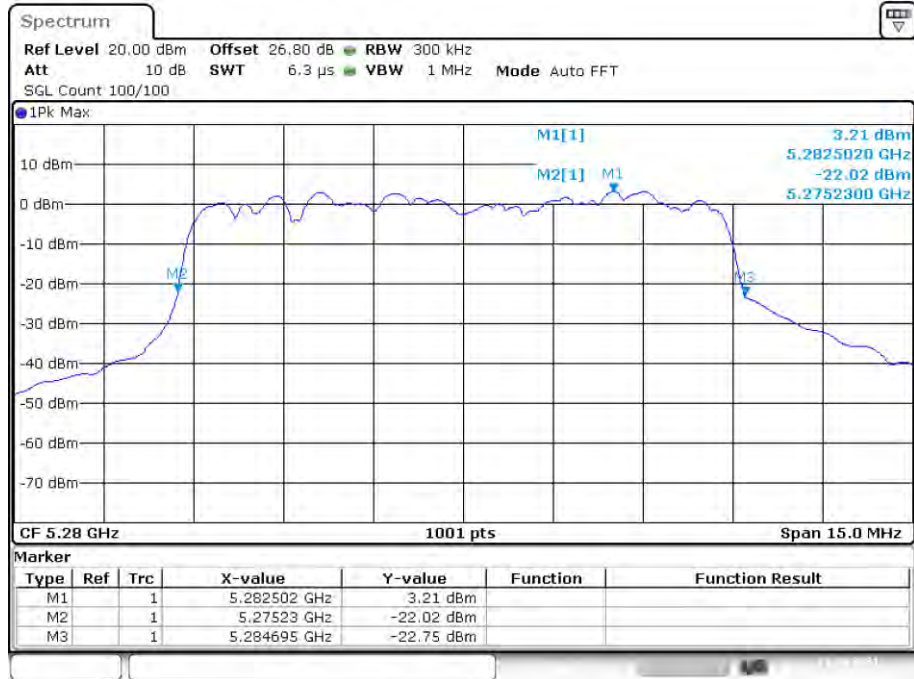
Date: 13.OCT.2021 05:02:32

-26dB Bandwidth NVNT a20 5320MHz Ant1

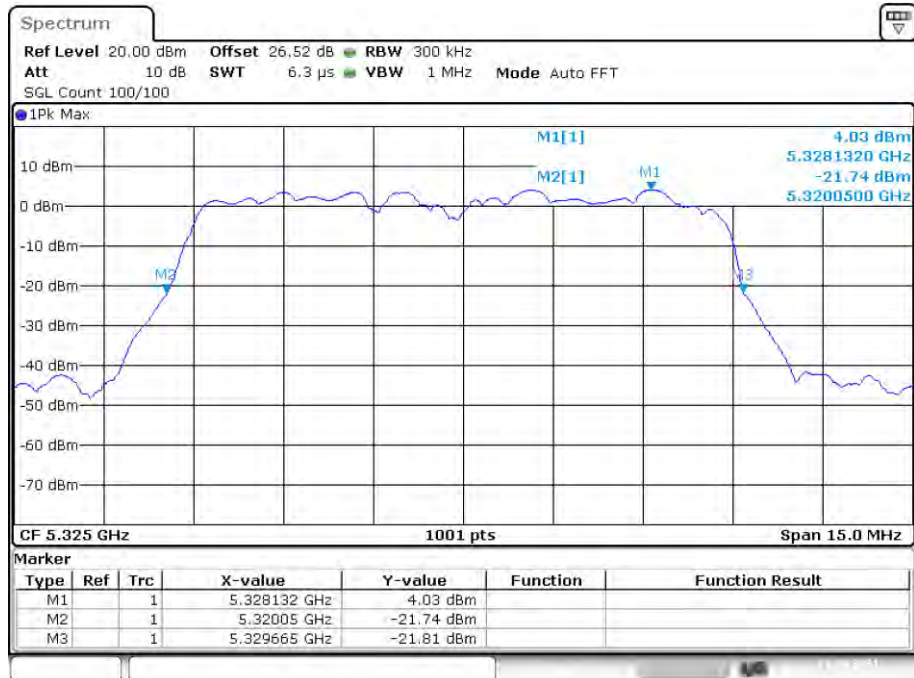
Date: 13.OCT.2021 05:08:39

-26dB Bandwidth NVNT n10 5255MHz Ant1

Date: 13.OCT.2021 04:39:38

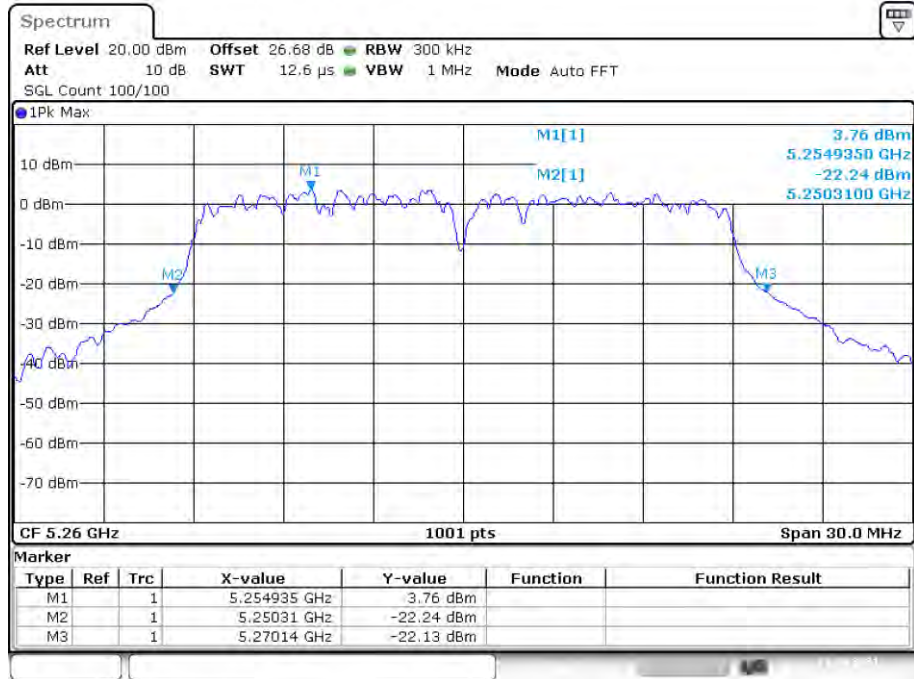
-26dB Bandwidth NVNT n10 5280MHz Ant1

Date: 13.OCT.2021 04:45:21

-26dB Bandwidth NVNT n10 5325MHz Ant1

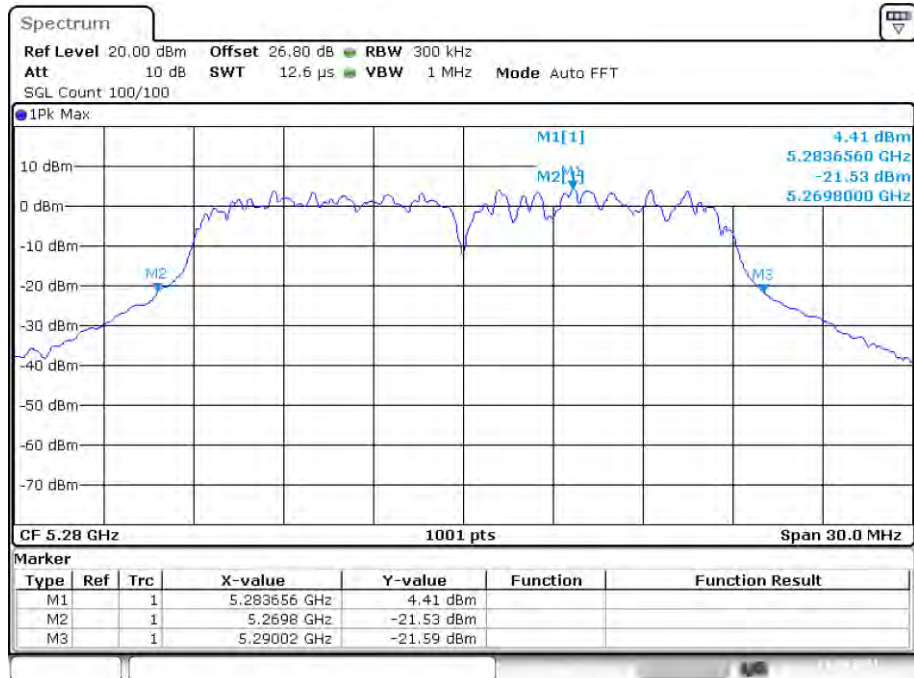
Date: 13.OCT.2021 04:49:58

-26dB Bandwidth NVNT n20 5260MHz Ant1

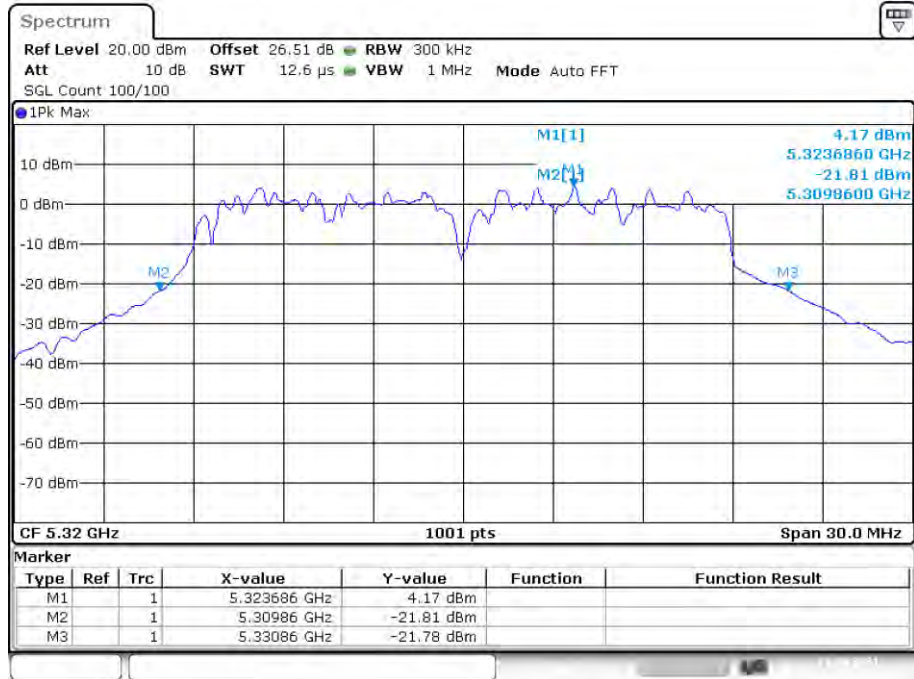


Date: 13.OCT.2021 05:26:31

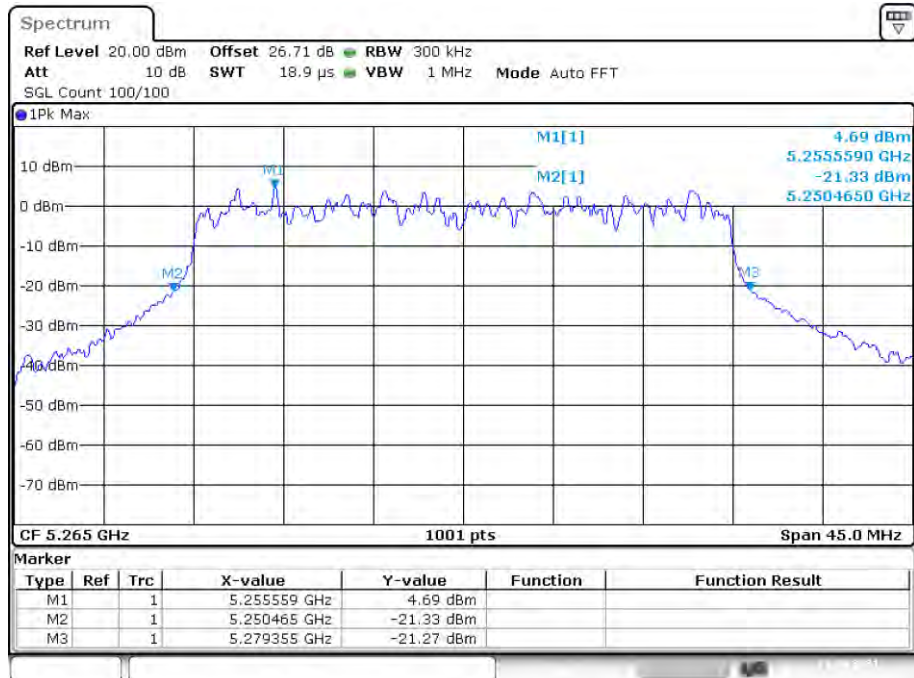
-26dB Bandwidth NVNT n20 5280MHz Ant1



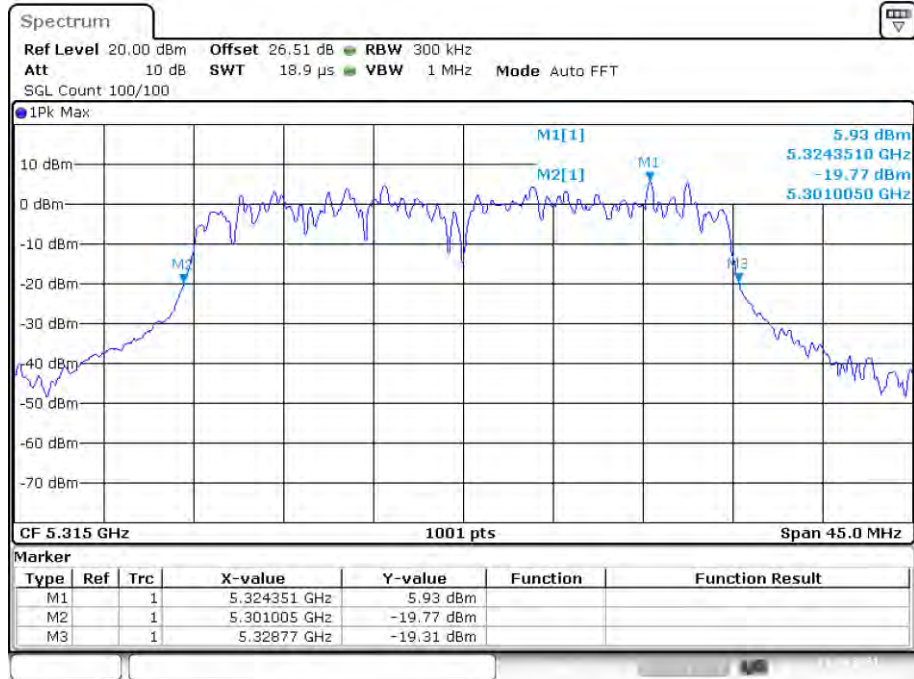
Date: 13.OCT.2021 05:33:31

-26dB Bandwidth NVNT n20 5320MHz Ant1

Date: 13.OCT.2021 05:41:28

-26dB Bandwidth NVNT n30 5265MHz Ant1

Date: 13.OCT.2021 05:56:46

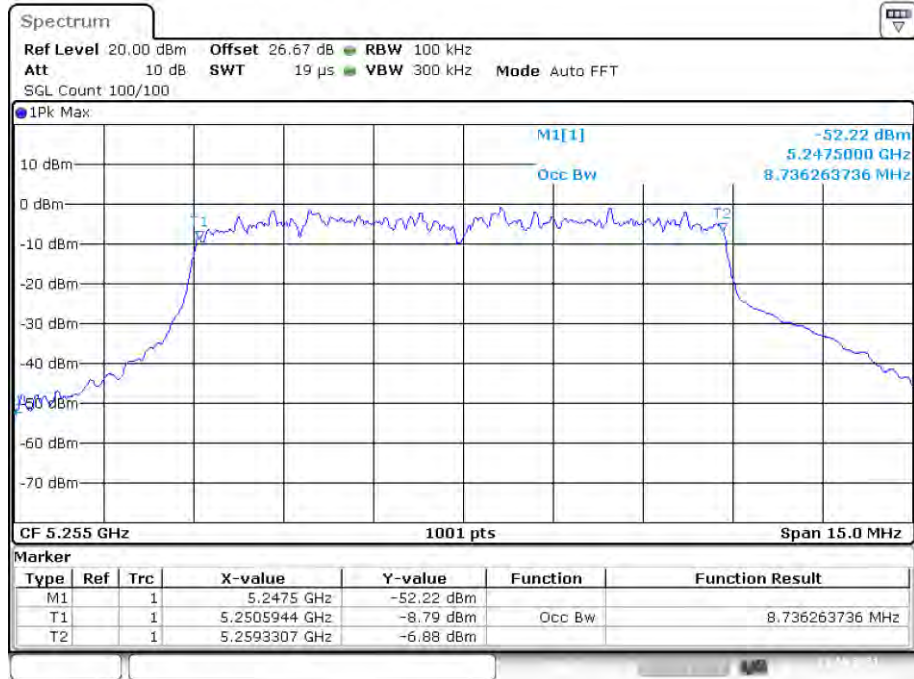
-26dB Bandwidth NVNT n30 5315MHz Ant1

Date: 13.OCT.2021 06:02:48

Occupied Channel Bandwidth

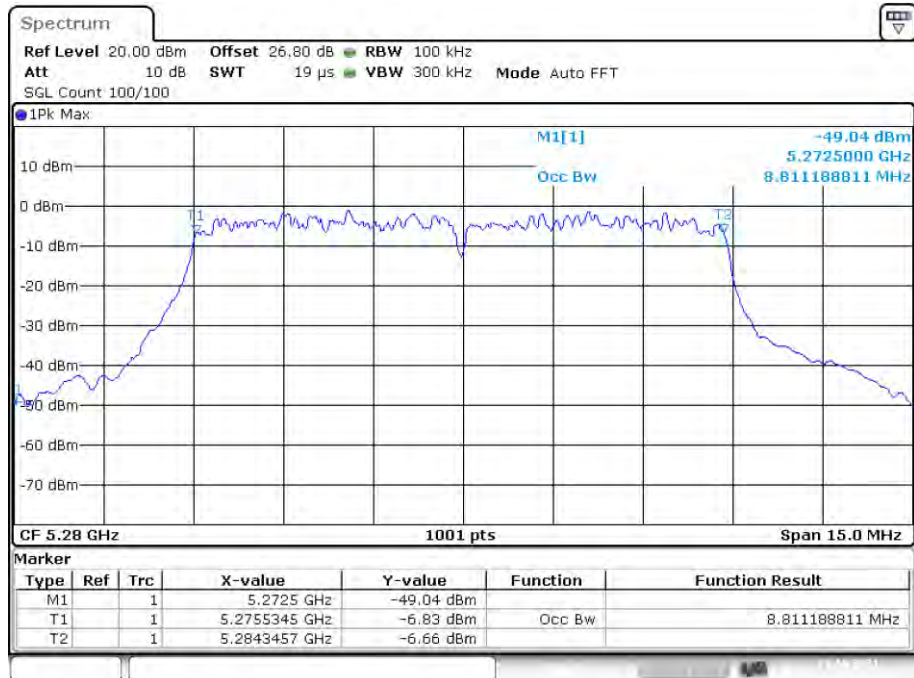
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a10	5255	Ant1	8.736
NVNT	a10	5280	Ant1	8.811
NVNT	a10	5325	Ant1	8.781
NVNT	a20	5260	Ant1	17.652
NVNT	a20	5280	Ant1	17.862
NVNT	a20	5320	Ant1	17.502
NVNT	n10	5255	Ant1	8.736
NVNT	n10	5280	Ant1	8.781
NVNT	n10	5325	Ant1	8.751
NVNT	n20	5260	Ant1	17.592
NVNT	n20	5280	Ant1	17.712
NVNT	n20	5320	Ant1	17.742
NVNT	n30	5265	Ant1	26.479
NVNT	n30	5315	Ant1	26.389

OBW NVNT a10 5255MHz Ant1



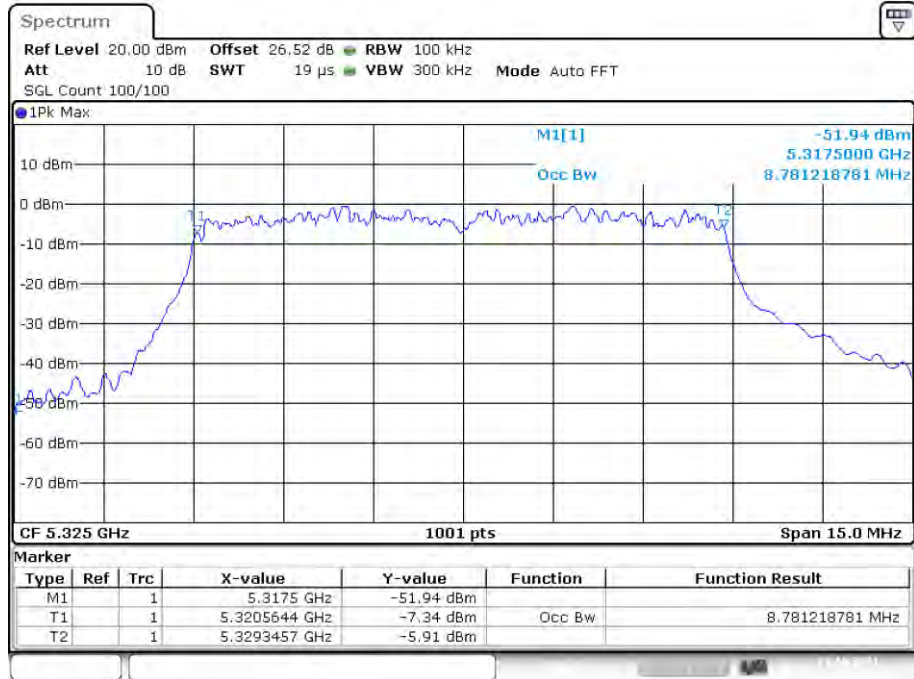
Date: 12.OCT.2021 16:29:10

OBW NVNT a10 5280MHz Ant1



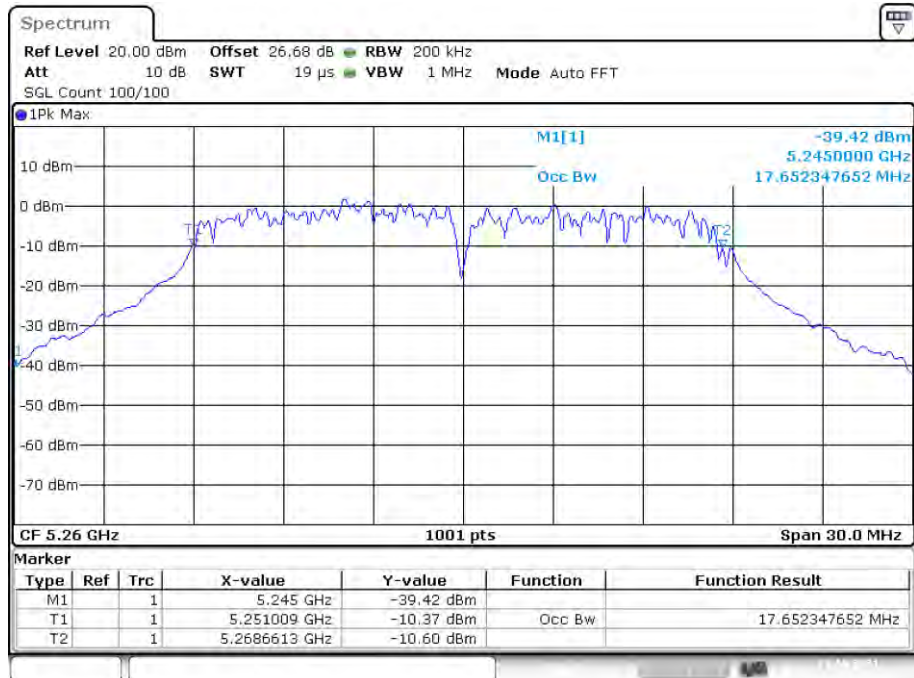
Date: 13.OCT.2021 04:26:10

OBW NVNT a10 5325MHz Ant1



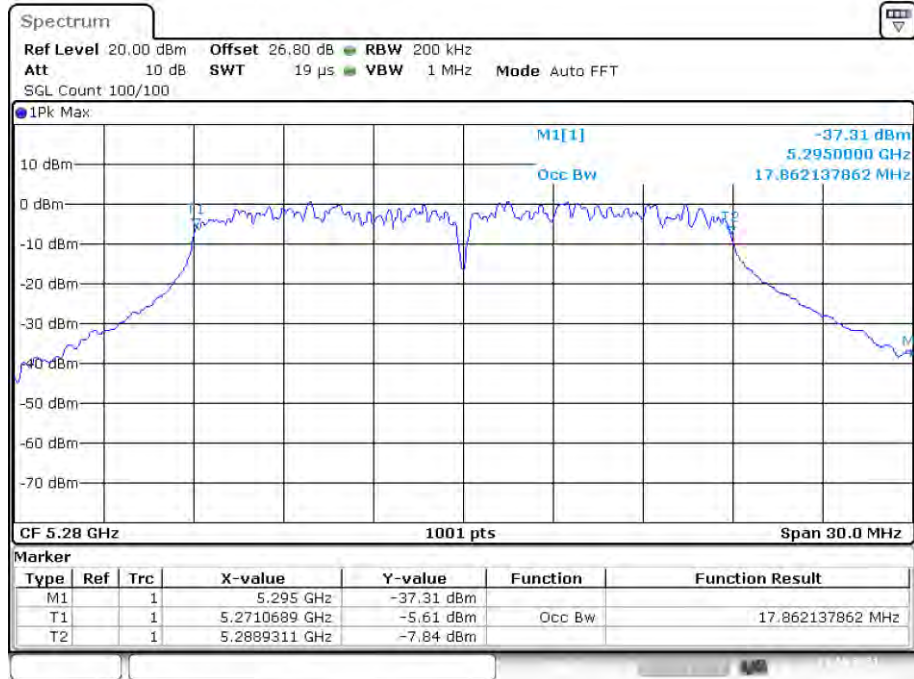
Date: 13.OCT.2021 04:33:32

OBW NVNT a20 5260MHz Ant1



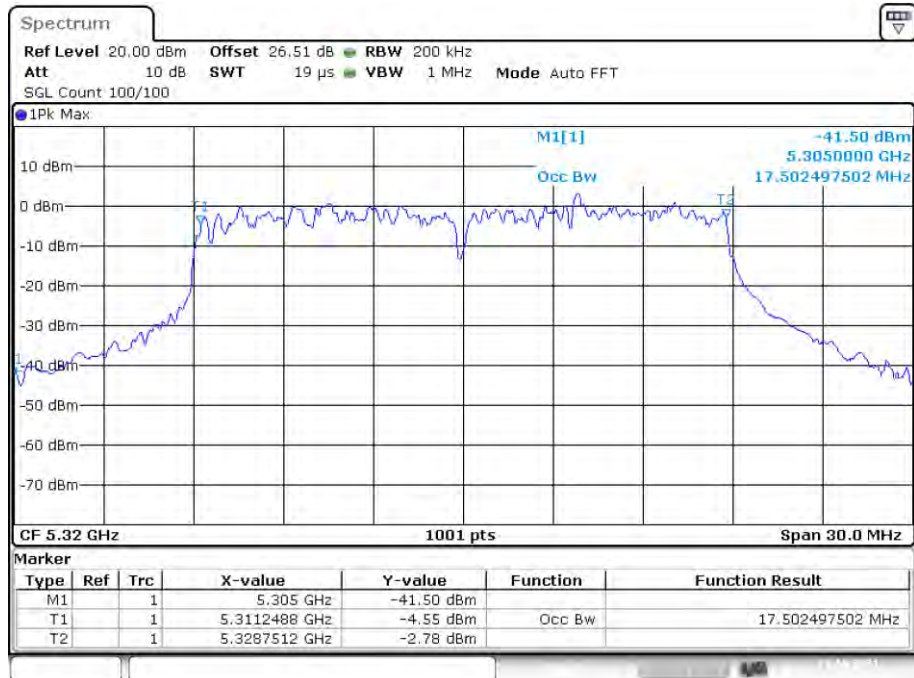
Date: 13.OCT.2021 04:56:32

OBW NVNT a20 5280MHz Ant1



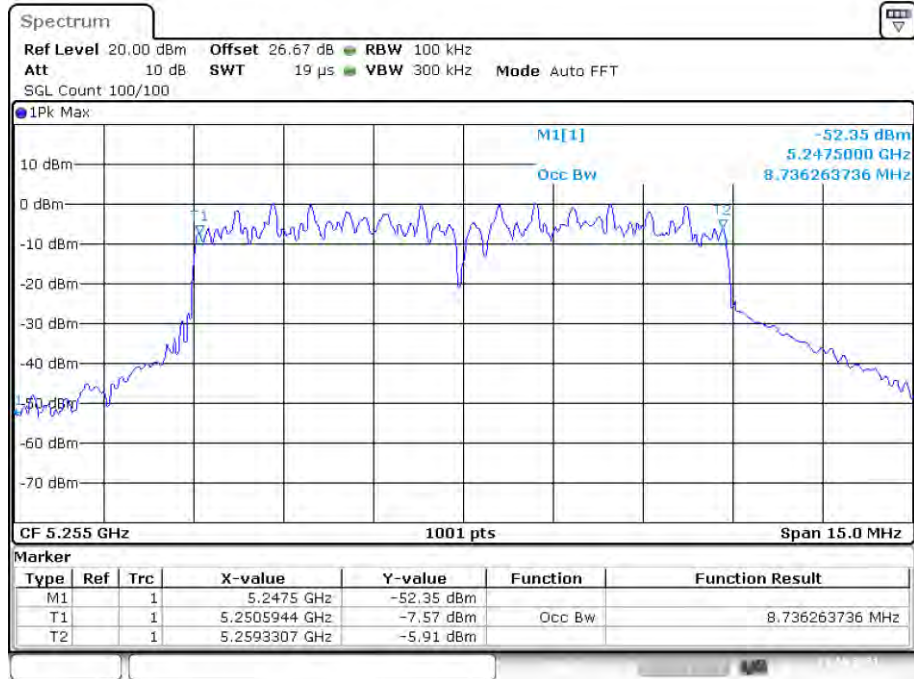
Date: 13.OCT.2021 05:05:23

OBW NVNT a20 5320MHz Ant1



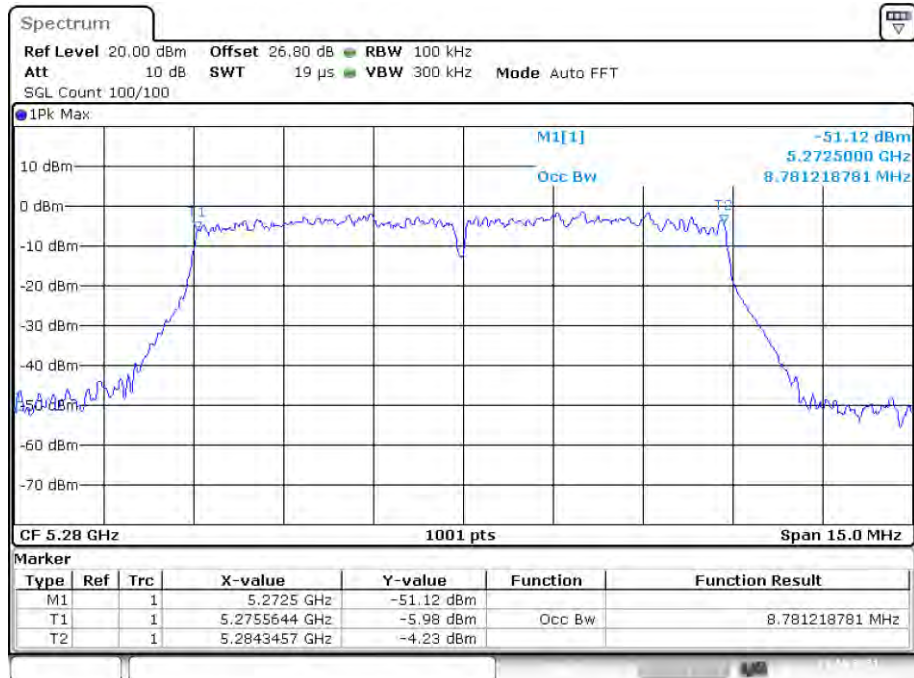
Date: 13.OCT.2021 05:08:25

OBW NVNT n10 5255MHz Ant1



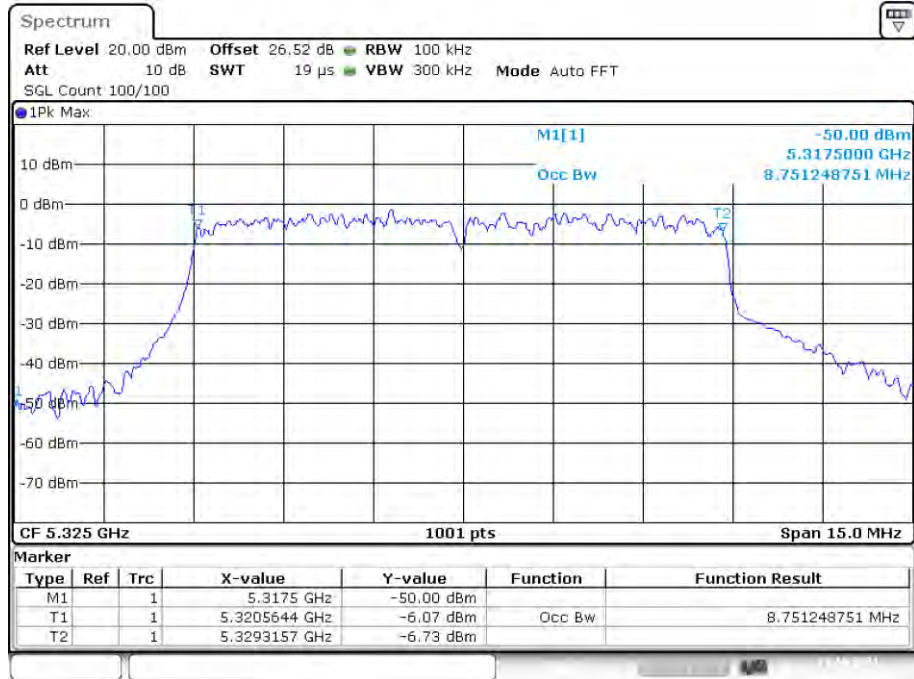
Date: 13.OCT.2021 04:39:28

OBW NVNT n10 5280MHz Ant1



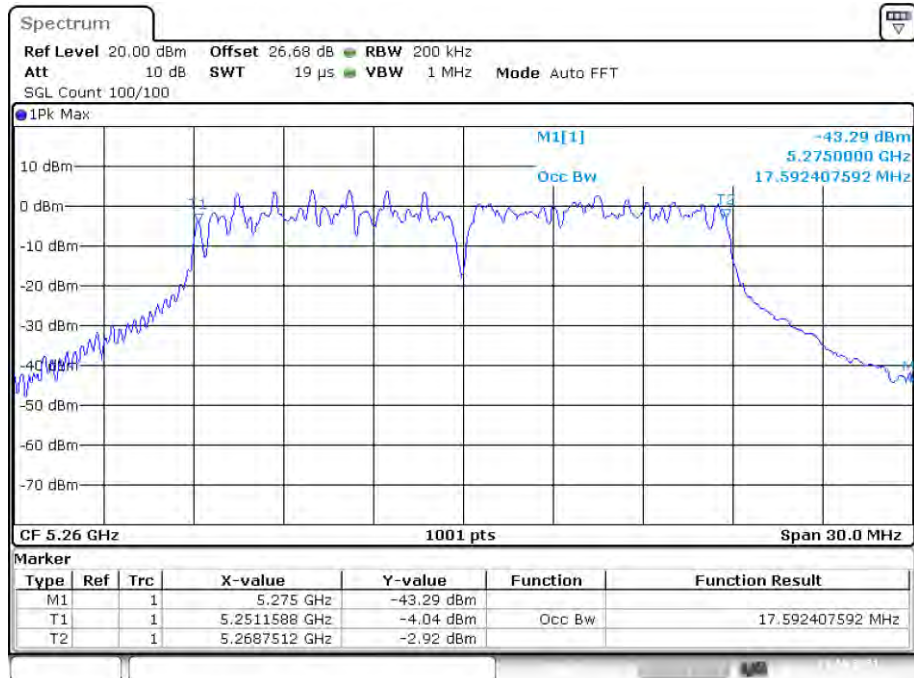
Date: 13.OCT.2021 04:45:10

OBW NVNT n10 5325MHz Ant1



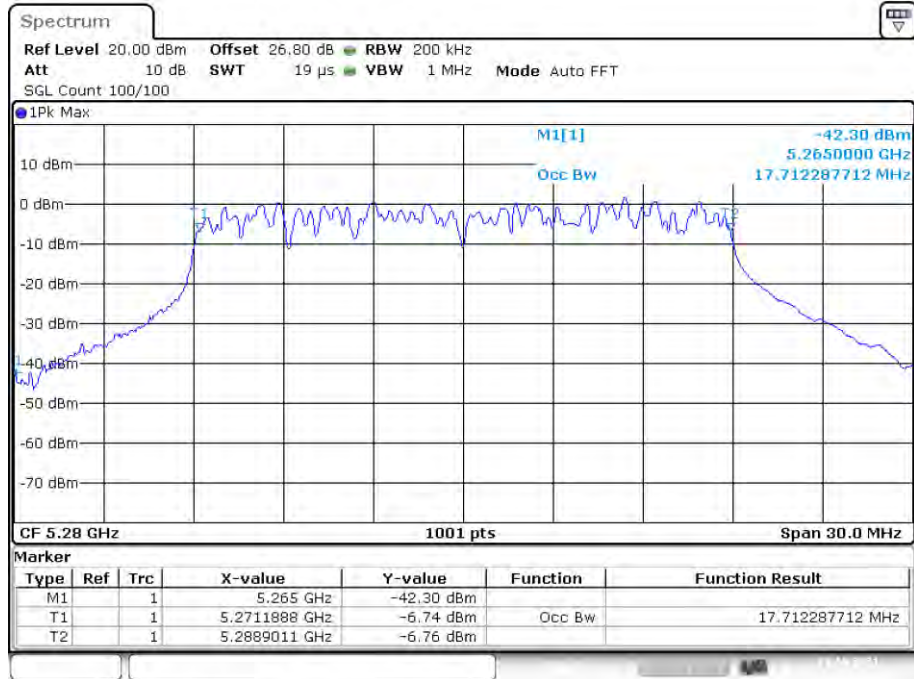
Date: 13.OCT.2021 04:49:47

OBW NVNT n20 5260MHz Ant1



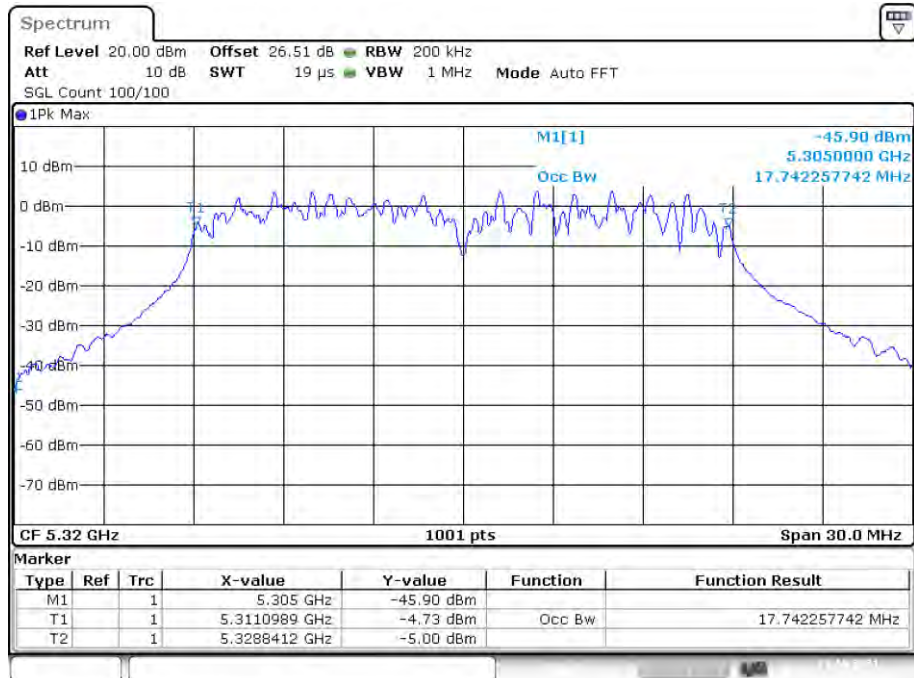
Date: 13.OCT.2021 05:29:01

OBW NVNT n20 5280MHz Ant1



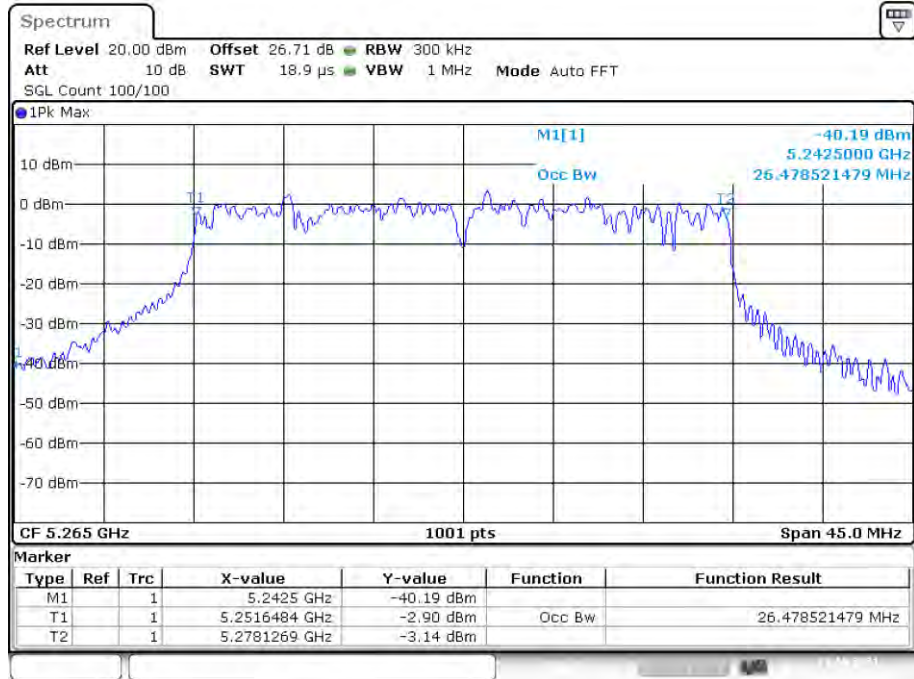
Date: 13.OCT.2021 05:33:03

OBW NVNT n20 5320MHz Ant1



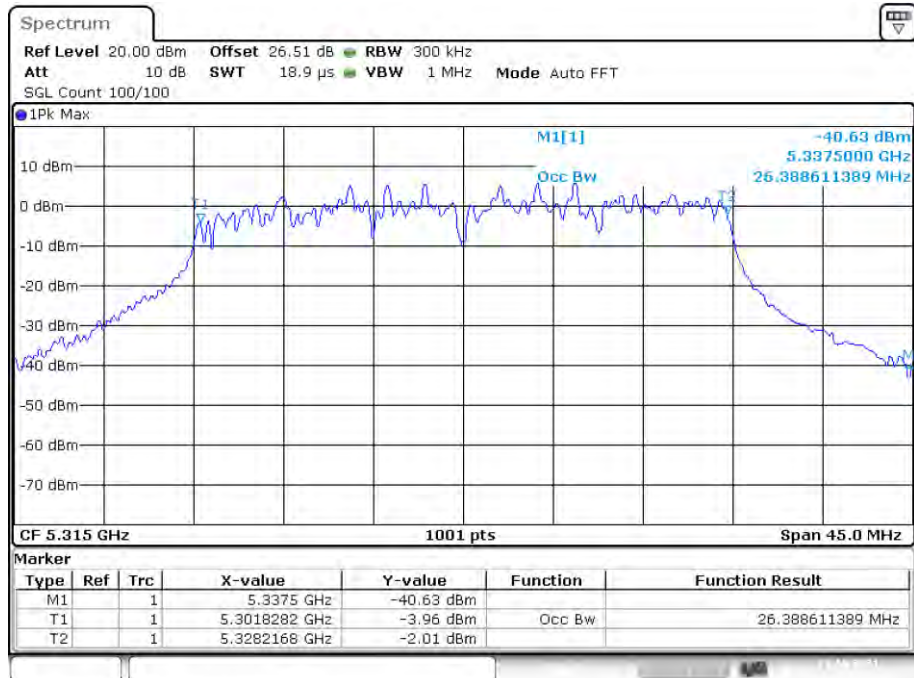
Date: 13.OCT.2021 05:40:57

OBW NVNT n30 5265MHz Ant1



Date: 13.OCT.2021 05:51:43

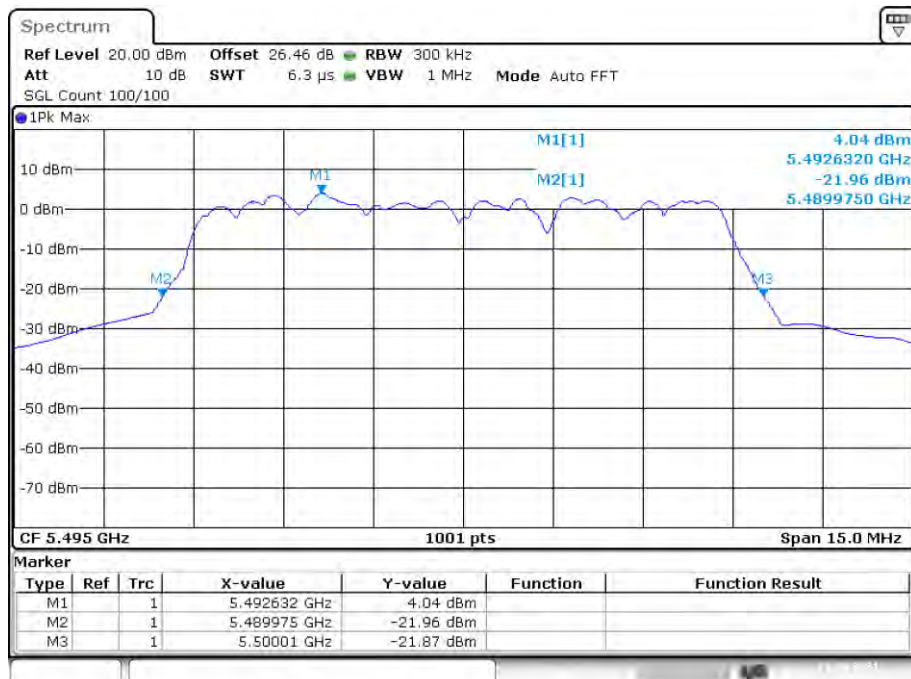
OBW NVNT n30 5315MHz Ant1



Date: 13.OCT.2021 06:05:49

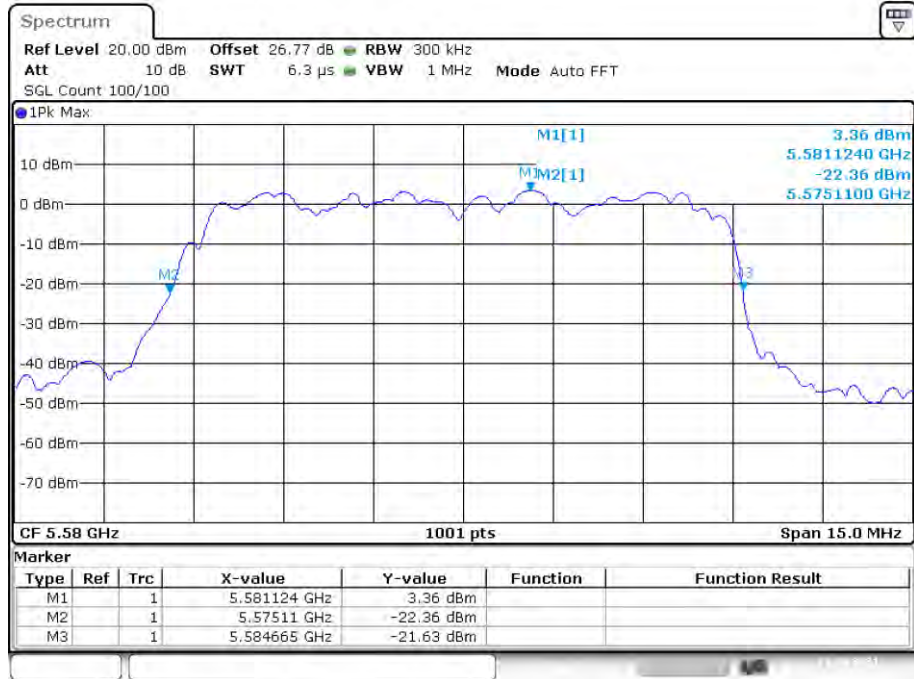
Band 3 (5470-5725 MHz):**-26dB Bandwidth**

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a10	5495	Ant1	10.035	0.5	Pass
NVNT	a10	5580	Ant1	9.555	0.5	Pass
NVNT	a10	5705	Ant1	9.975	0.5	Pass
NVNT	a20	5500	Ant1	20.73	0.5	Pass
NVNT	a20	5580	Ant1	20.76	0.5	Pass
NVNT	a20	5700	Ant1	18.9	0.5	Pass
NVNT	n10	5495	Ant1	9.66	0.5	Pass
NVNT	n10	5580	Ant1	9.9	0.5	Pass
NVNT	n10	5705	Ant1	10.05	0.5	Pass
NVNT	n20	5500	Ant1	20.1	0.5	Pass
NVNT	n20	5580	Ant1	19.95	0.5	Pass
NVNT	n20	5700	Ant1	20.49	0.5	Pass
NVNT	n30	5505	Ant1	29.07	0.5	Pass
NVNT	n30	5695	Ant1	27.675	0.5	Pass

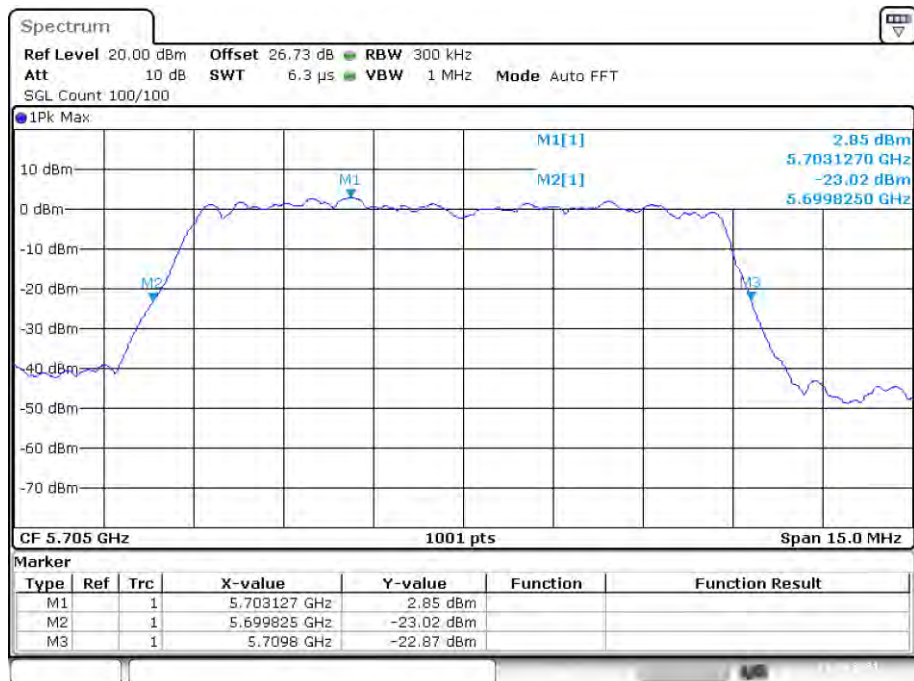
-26dB Bandwidth NVNT a10 5495MHz Ant1

Date: 13.OCT.2021 06:25:36

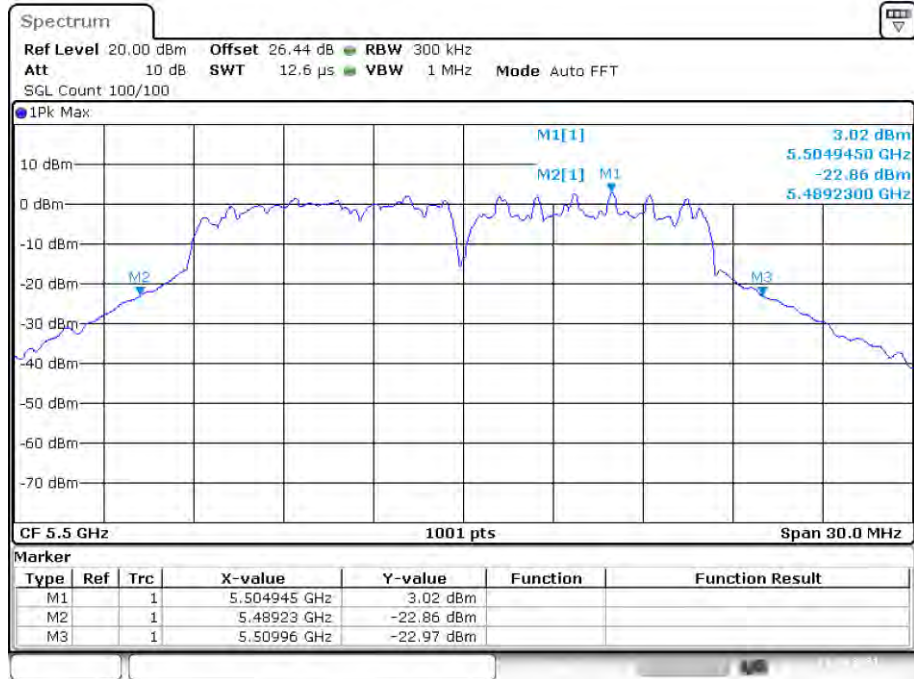
-26dB Bandwidth NVNT a10 5580MHz Ant1



-26dB Bandwidth NVNT a10 5705MHz Ant1

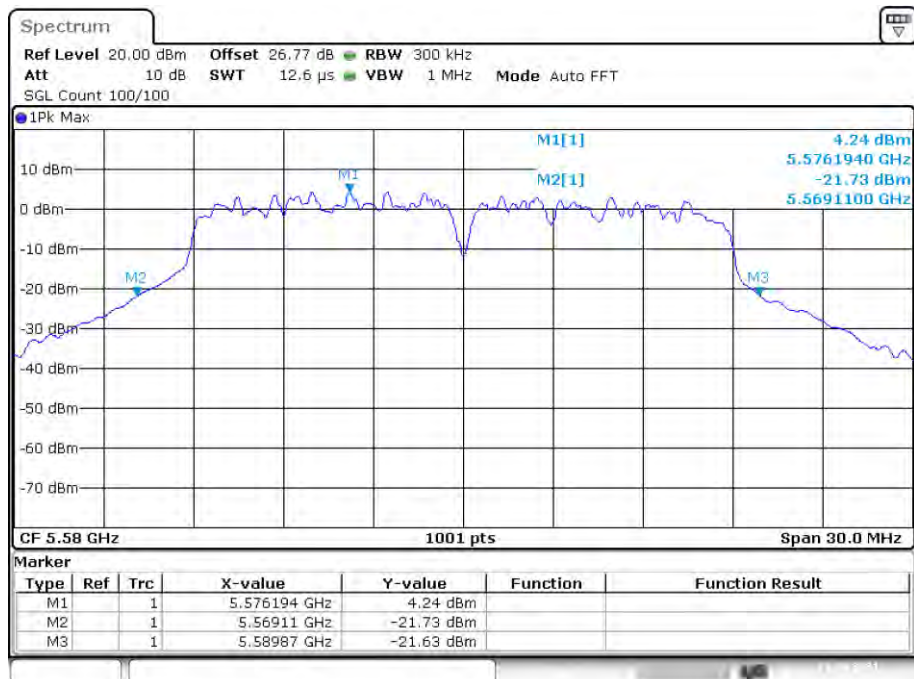


-26dB Bandwidth NVNT a20 5500MHz Ant1

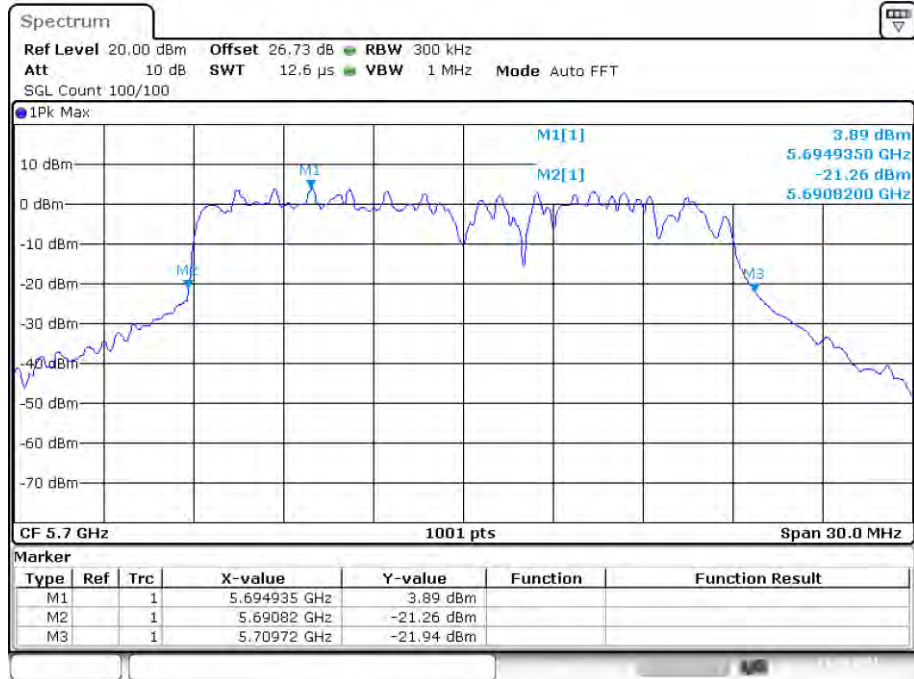


Date: 13.OCT.2021 09:12:46

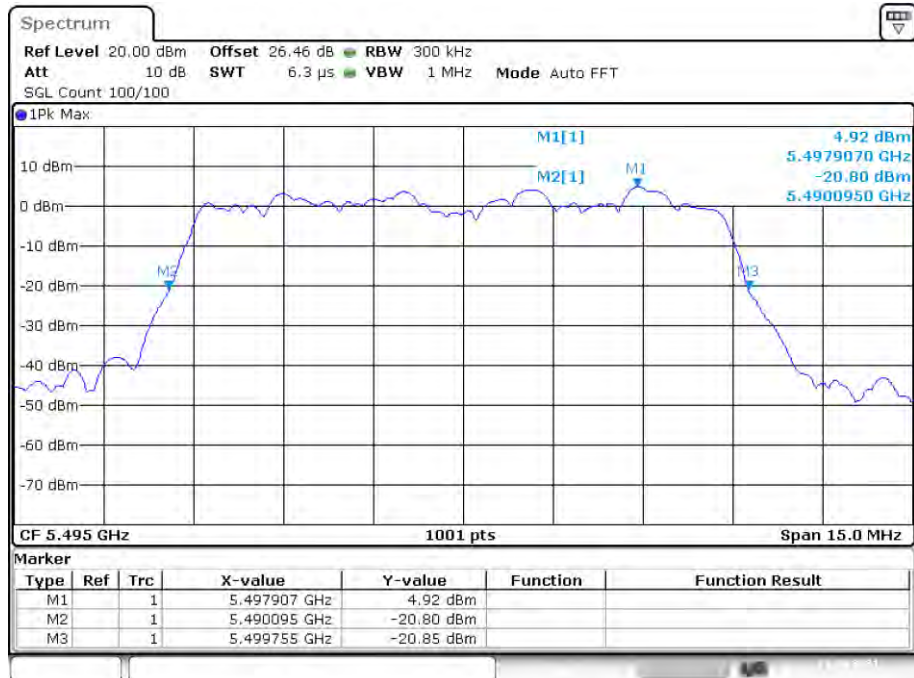
-26dB Bandwidth NVNT a20 5580MHz Ant1



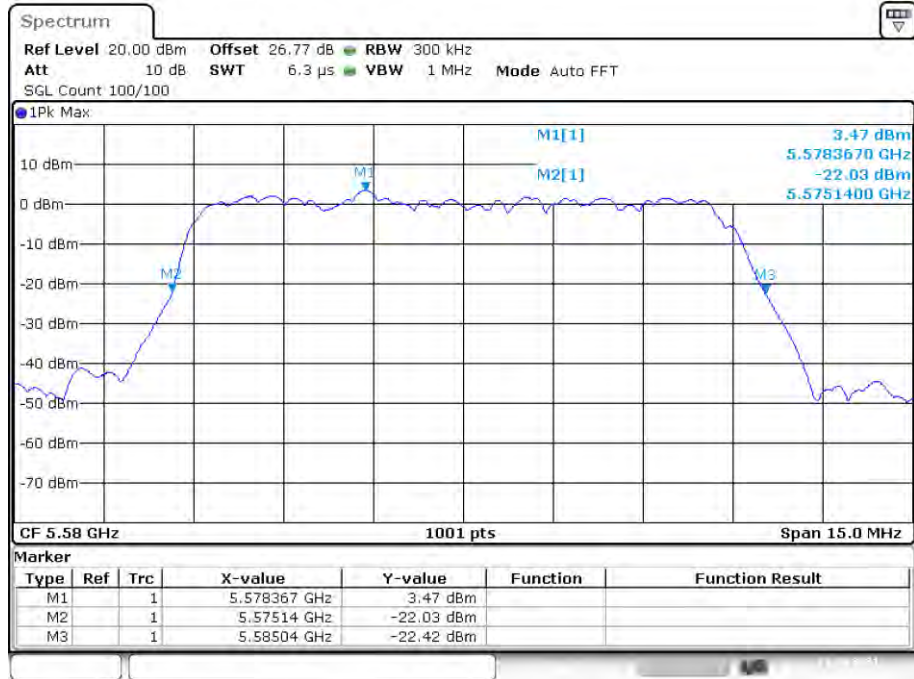
Date: 13.OCT.2021 09:18:38

-26dB Bandwidth NVNT a20 5700MHz Ant1

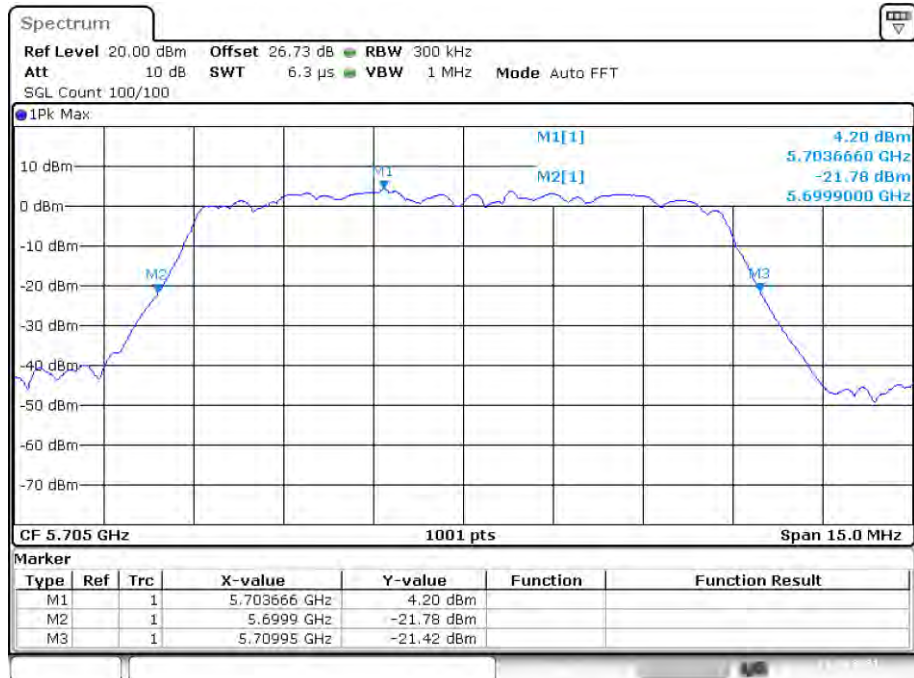
Date: 13.OCT.2021 09:23:22

-26dB Bandwidth NVNT n10 5495MHz Ant1

Date: 13.OCT.2021 07:05:17

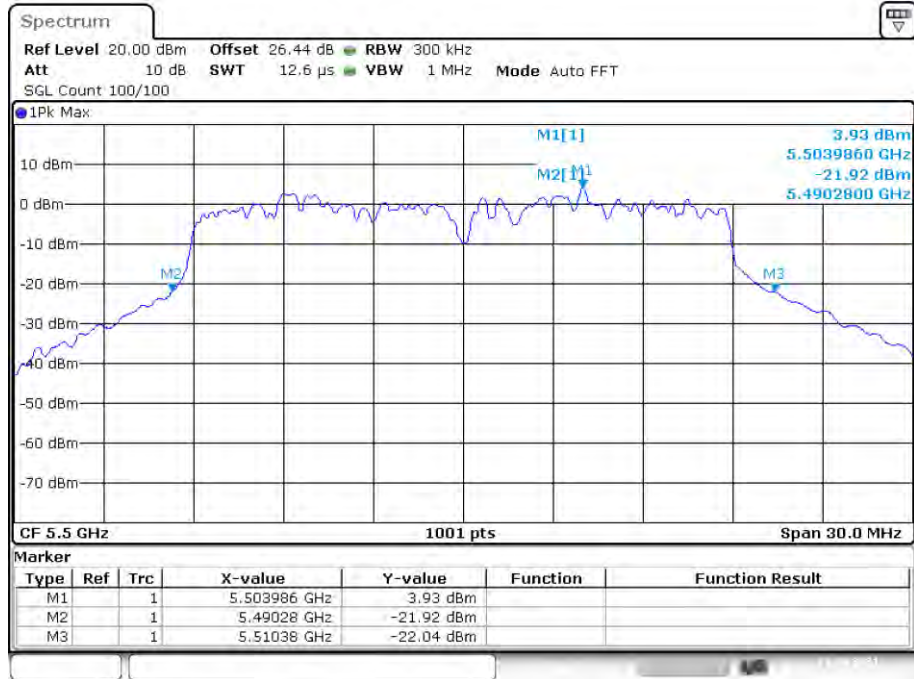
-26dB Bandwidth NVNT n10 5580MHz Ant1

Date: 13.OCT.2021 08:55:56

-26dB Bandwidth NVNT n10 5705MHz Ant1

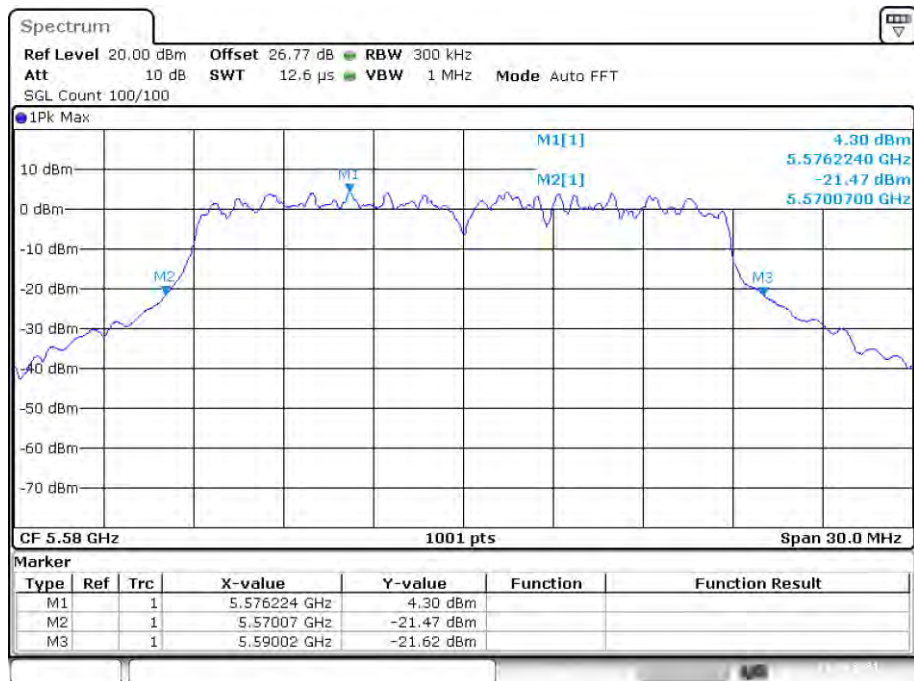
Date: 13.OCT.2021 09:05:29

-26dB Bandwidth NVNT n20 5500MHz Ant1

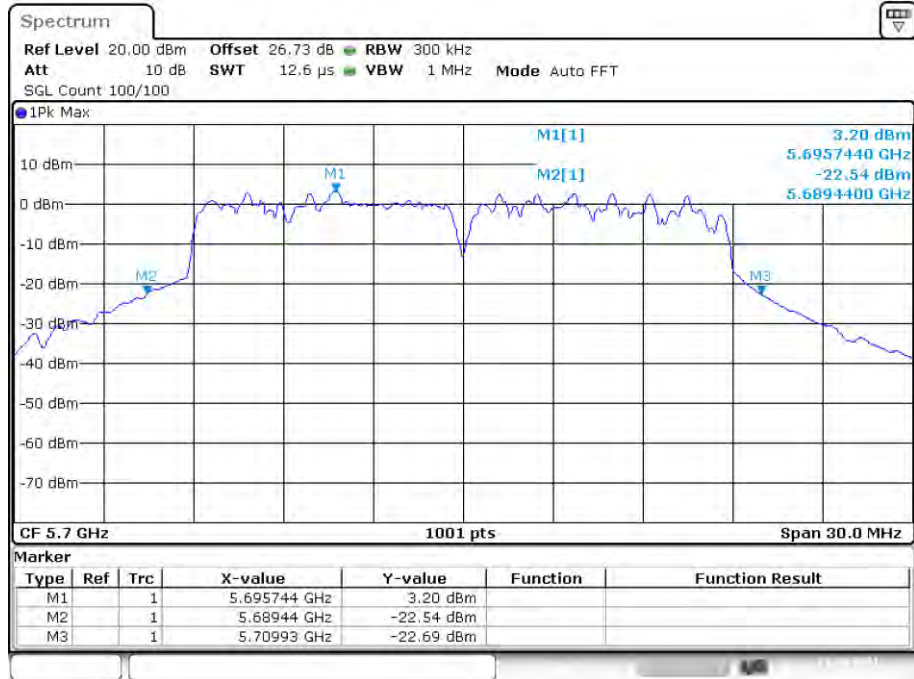


Date: 13.OCT.2021 09:33:34

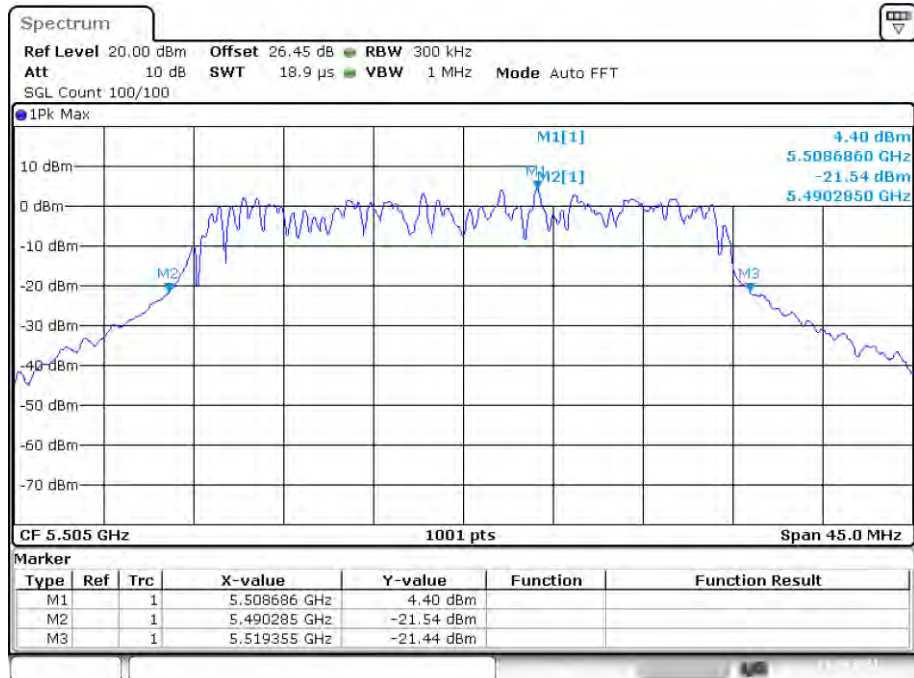
-26dB Bandwidth NVNT n20 5580MHz Ant1



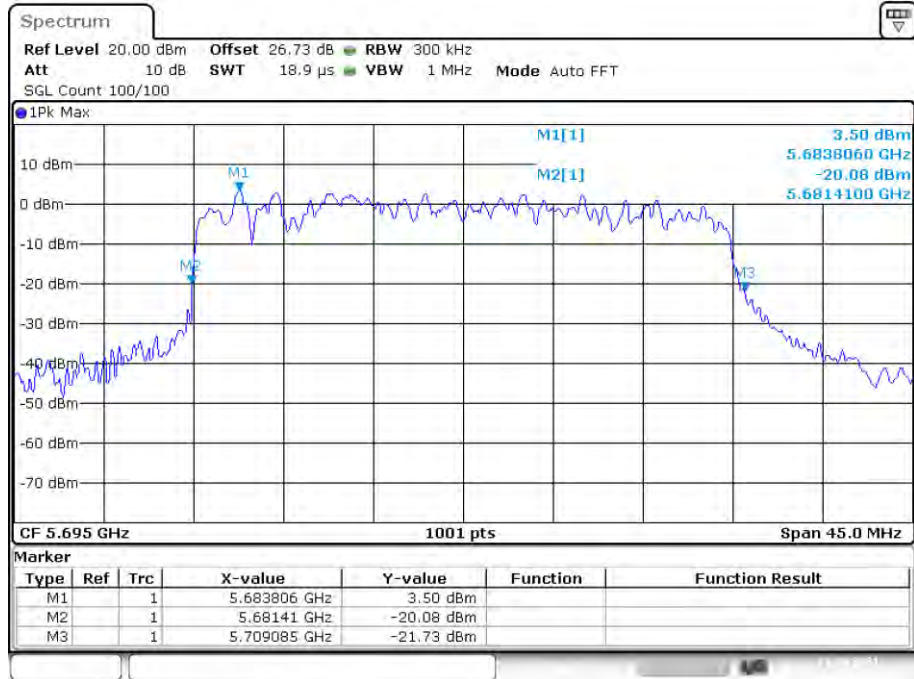
Date: 13.OCT.2021 09:38:15

-26dB Bandwidth NVNT n20 5700MHz Ant1

Date: 13.OCT.2021 09:47:56

-26dB Bandwidth NVNT n30 5505MHz Ant1

Date: 13.OCT.2021 09:58:14

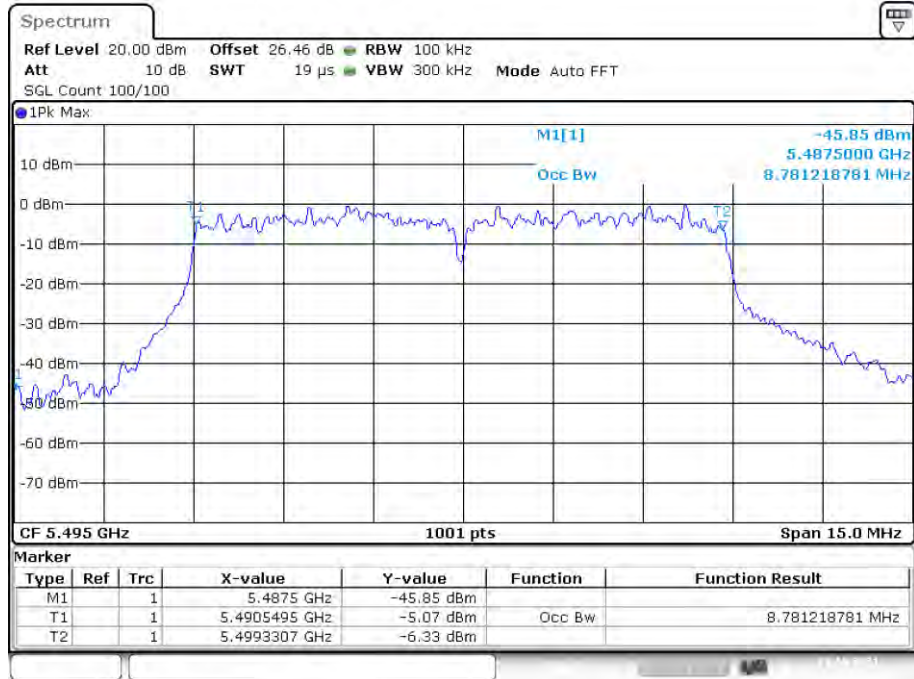
-26dB Bandwidth NVNT n30 5695MHz Ant1

Date: 13.OCT.2021 10:12:22

Occupied Channel Bandwidth

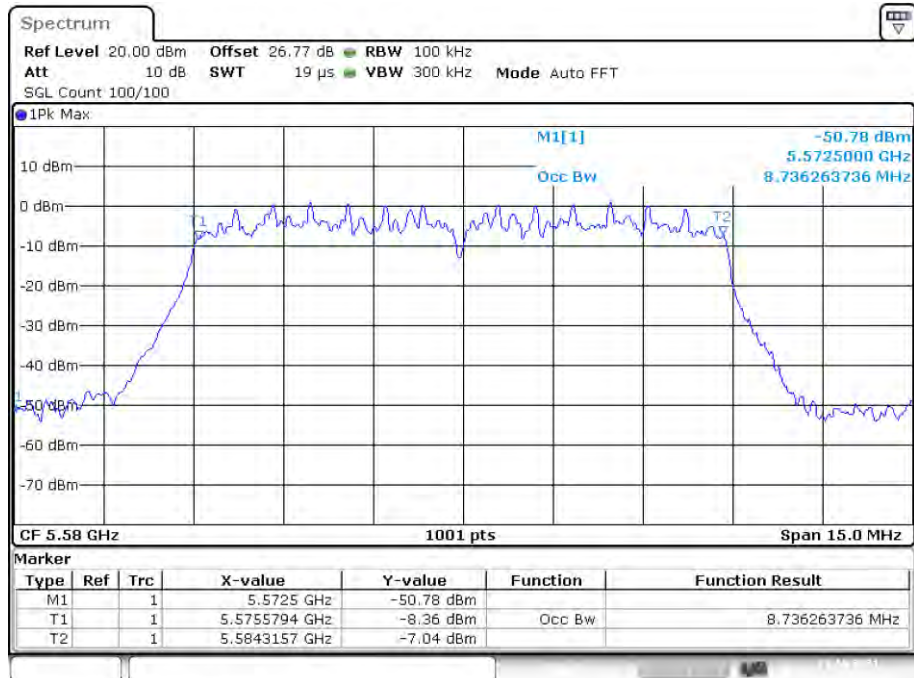
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a10	5495	Ant1	8.781
NVNT	a10	5580	Ant1	8.736
NVNT	a10	5705	Ant1	8.811
NVNT	a20	5500	Ant1	17.532
NVNT	a20	5580	Ant1	17.622
NVNT	a20	5700	Ant1	17.532
NVNT	n10	5495	Ant1	8.691
NVNT	n10	5580	Ant1	8.781
NVNT	n10	5705	Ant1	8.721
NVNT	n20	5500	Ant1	17.592
NVNT	n20	5580	Ant1	17.622
NVNT	n20	5700	Ant1	17.502
NVNT	n30	5505	Ant1	26.119
NVNT	n30	5695	Ant1	26.838

OBW NVNT a10 5495MHz Ant1



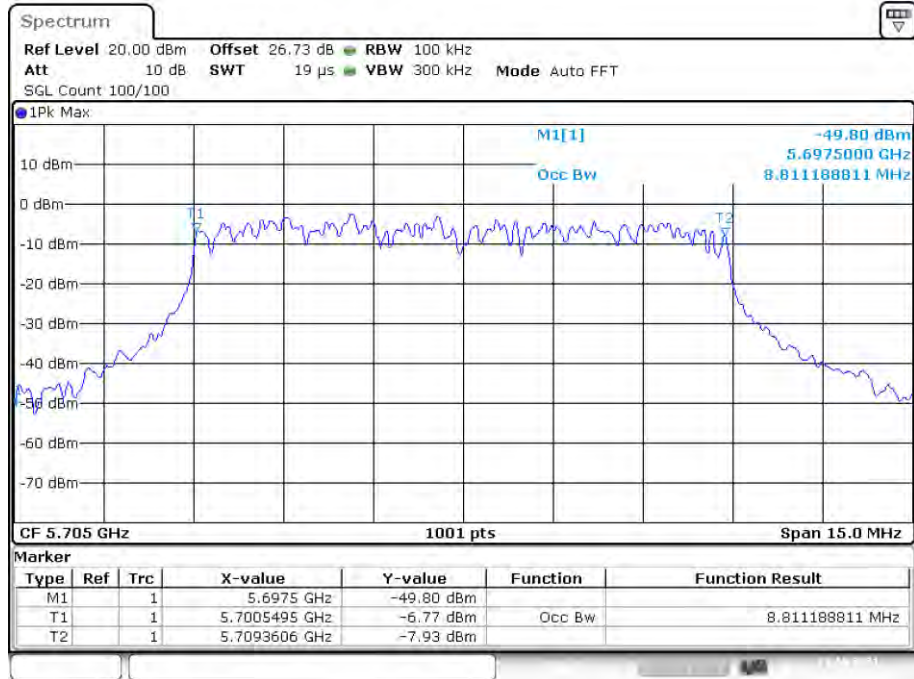
Date: 13.OCT.2021 06:25:16

OBW NVNT a10 5580MHz Ant1



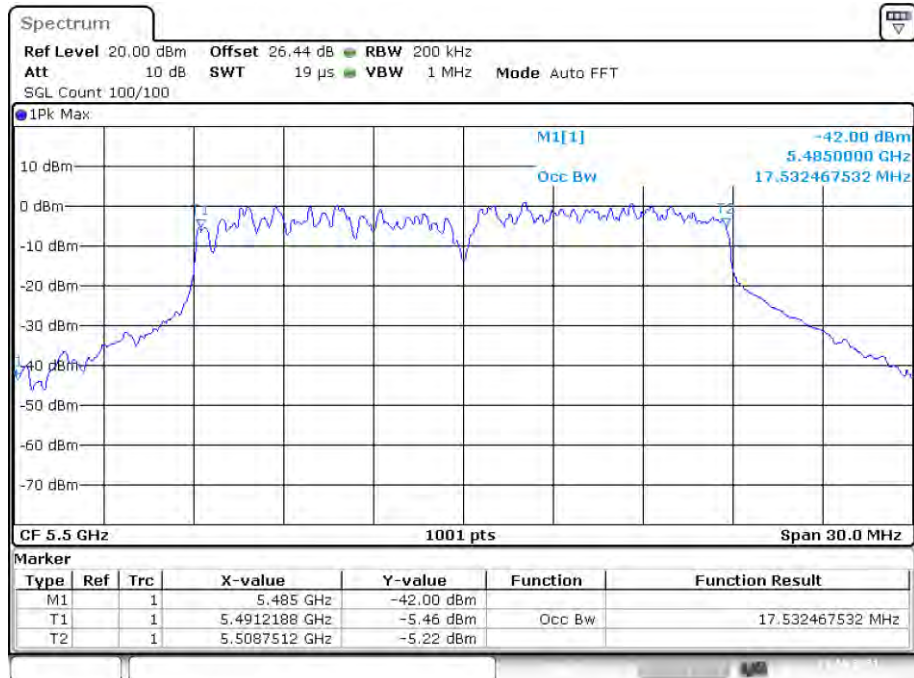
Date: 13.OCT.2021 06:35:22

OBW NVNT a10 5705MHz Ant1



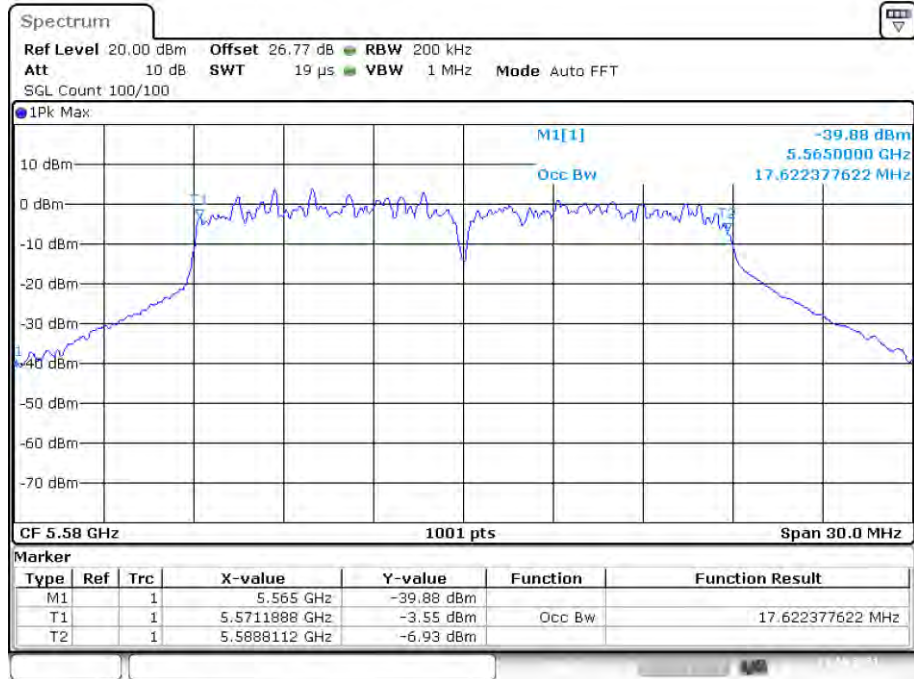
Date: 13.OCT.2021 06:47:50

OBW NVNT a20 5500MHz Ant1

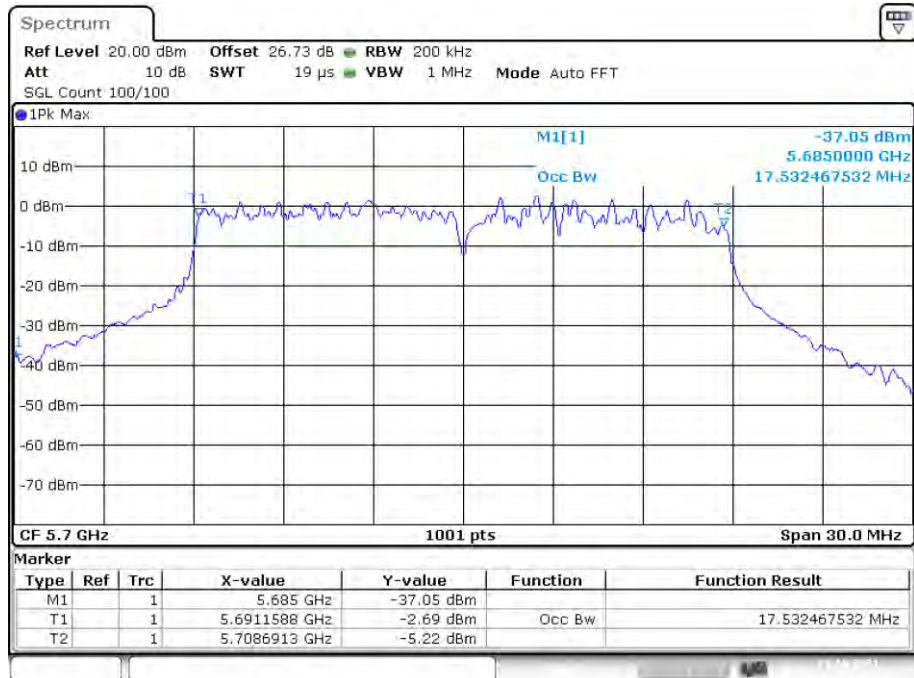


Date: 13.OCT.2021 09:12:35

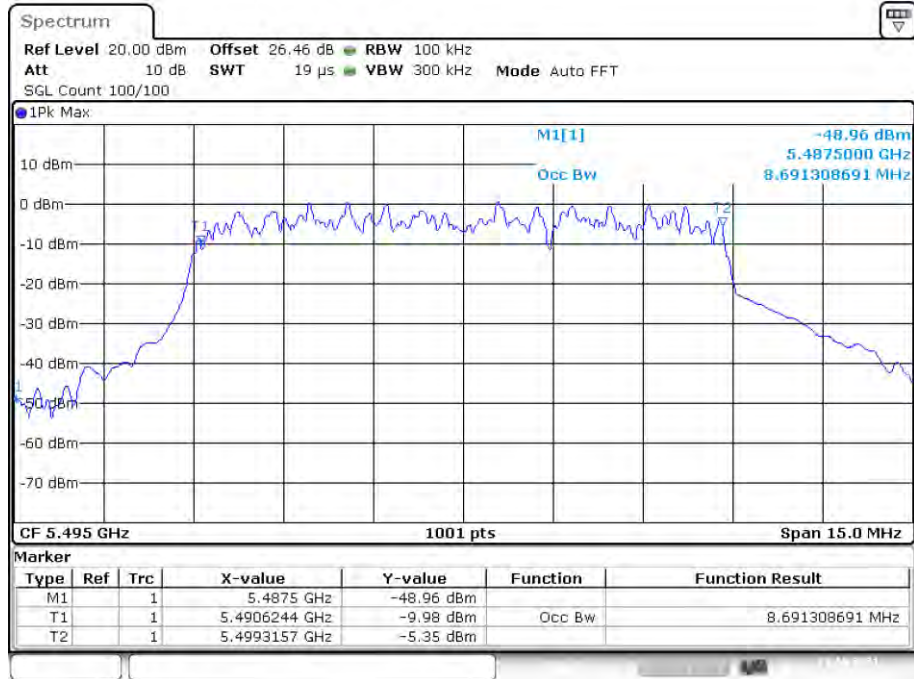
OBW NVNT a20 5580MHz Ant1



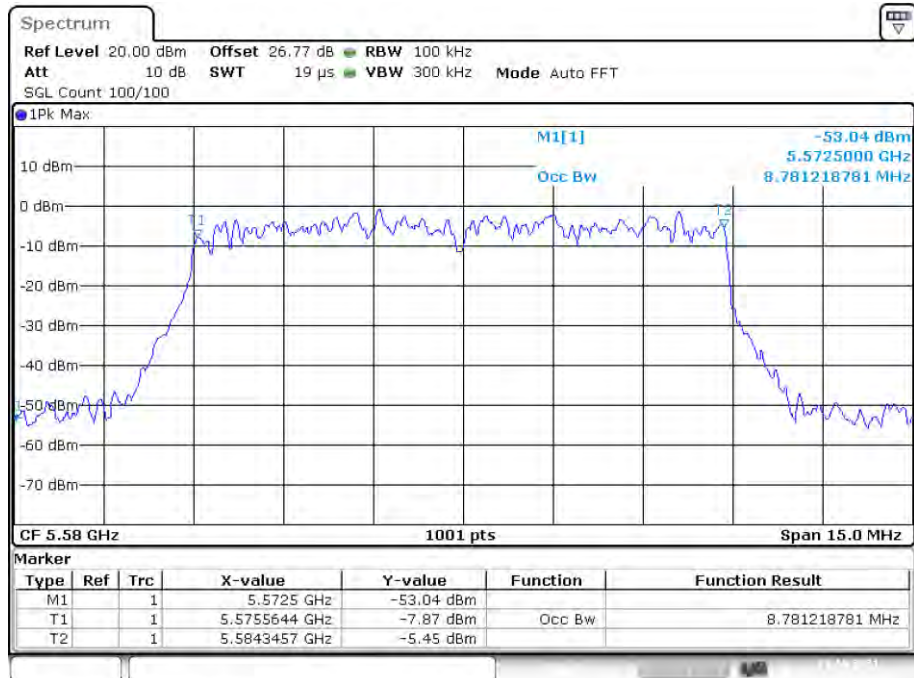
OBW NVNT a20 5700MHz Ant1



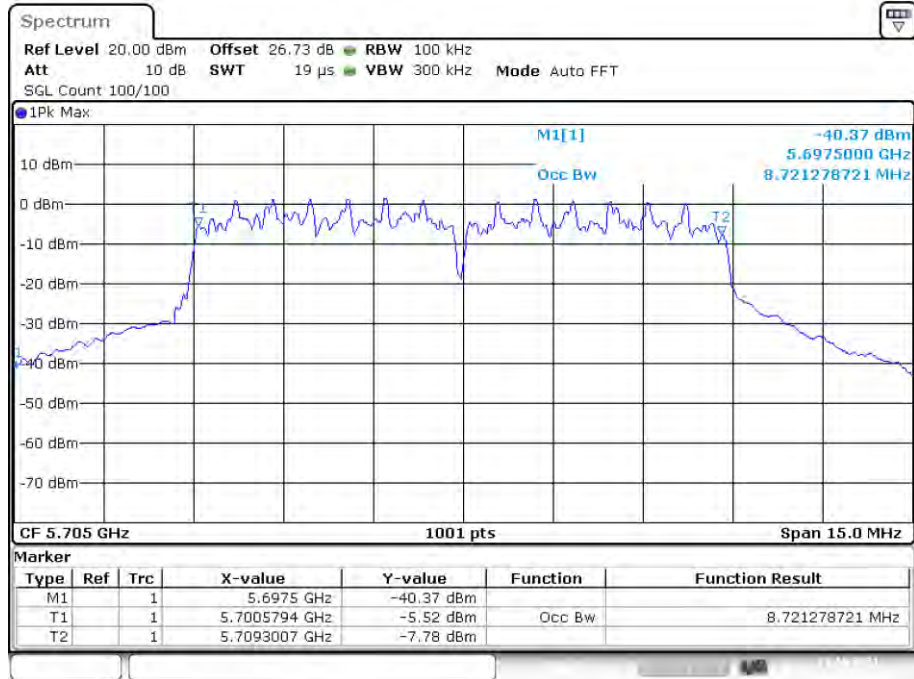
OBW NVNT n10 5495MHz Ant1



OBW NVNT n10 5580MHz Ant1

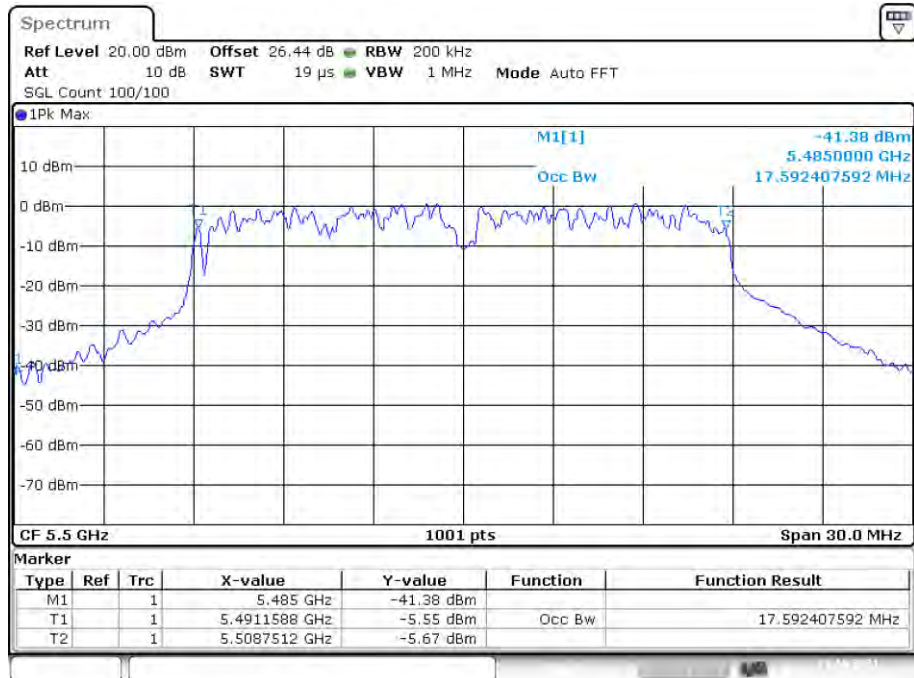


OBW NVNT n10 5705MHz Ant1



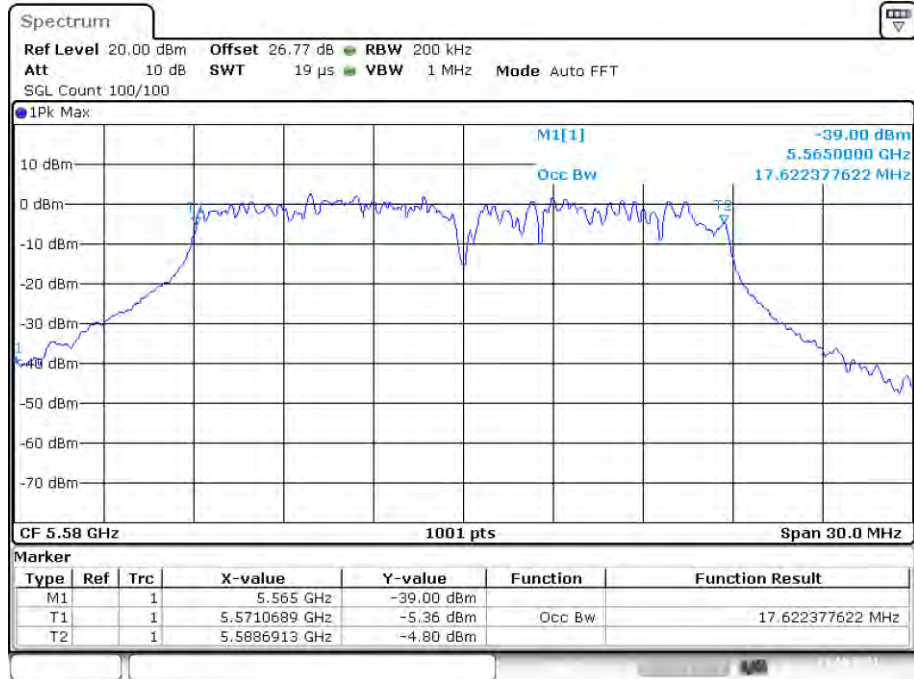
Date: 13.OCT.2021 09:05:19

OBW NVNT n20 5500MHz Ant1



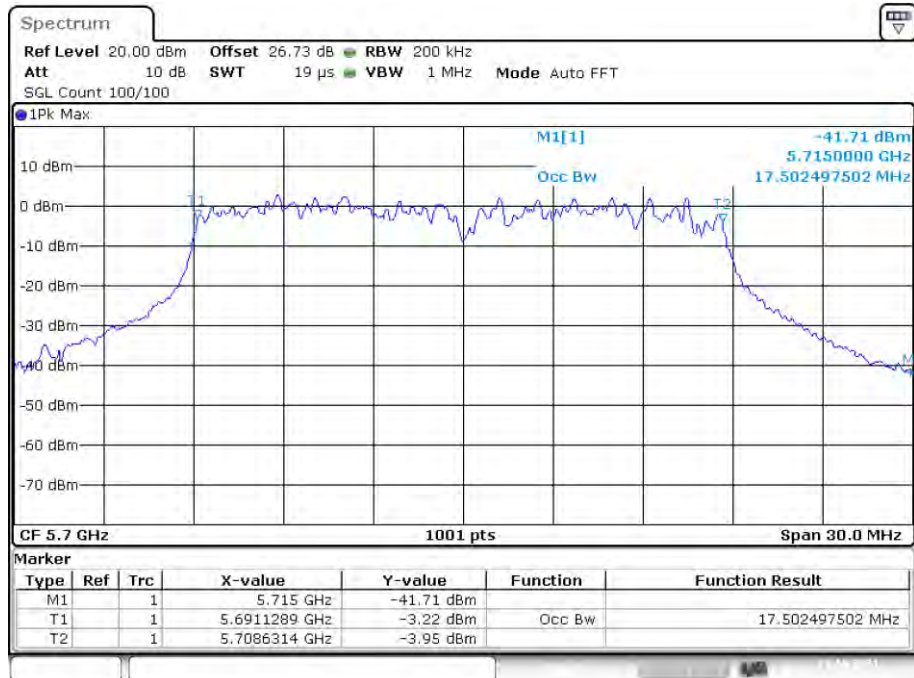
Date: 13.OCT.2021 09:30:09

OBW NVNT n20 5580MHz Ant1



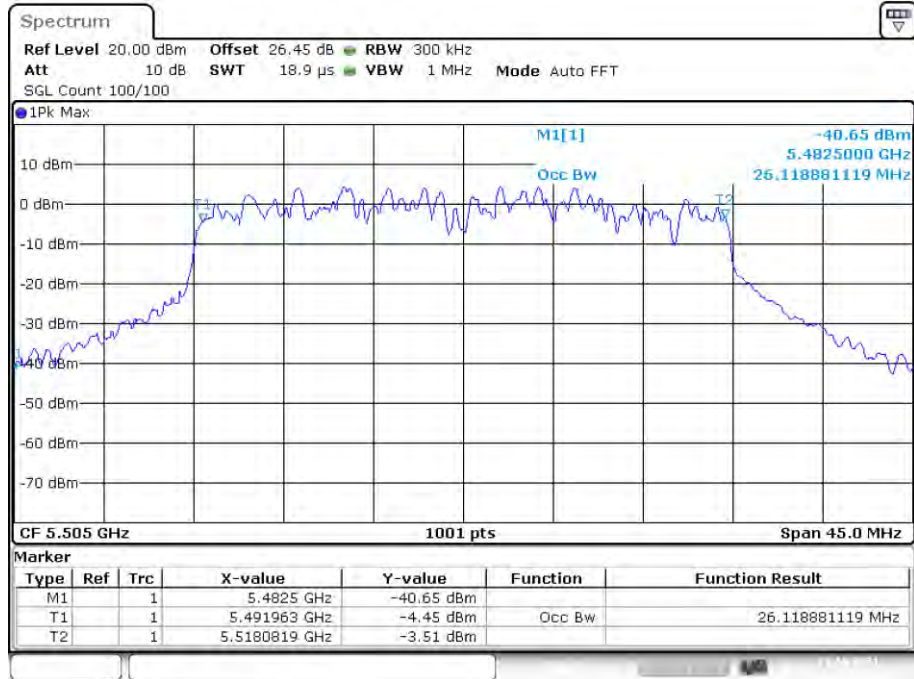
Date: 13.OCT.2021 09:37:54

OBW NVNT n20 5700MHz Ant1



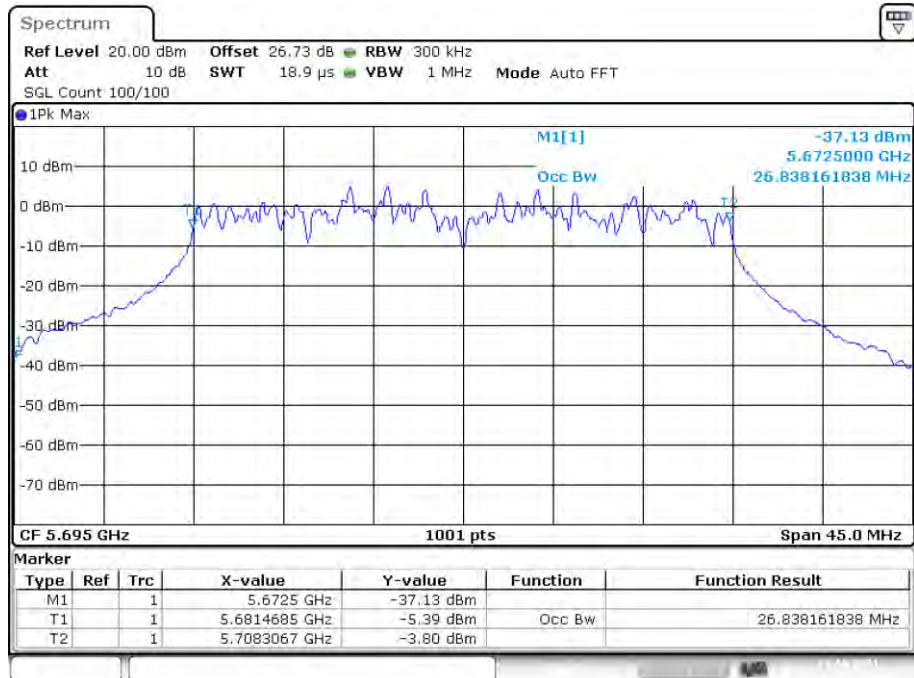
Date: 13.OCT.2021 09:51:26

OBW NVNT n30 5505MHz Ant1



Date: 13.OCT.2021 09:57:42

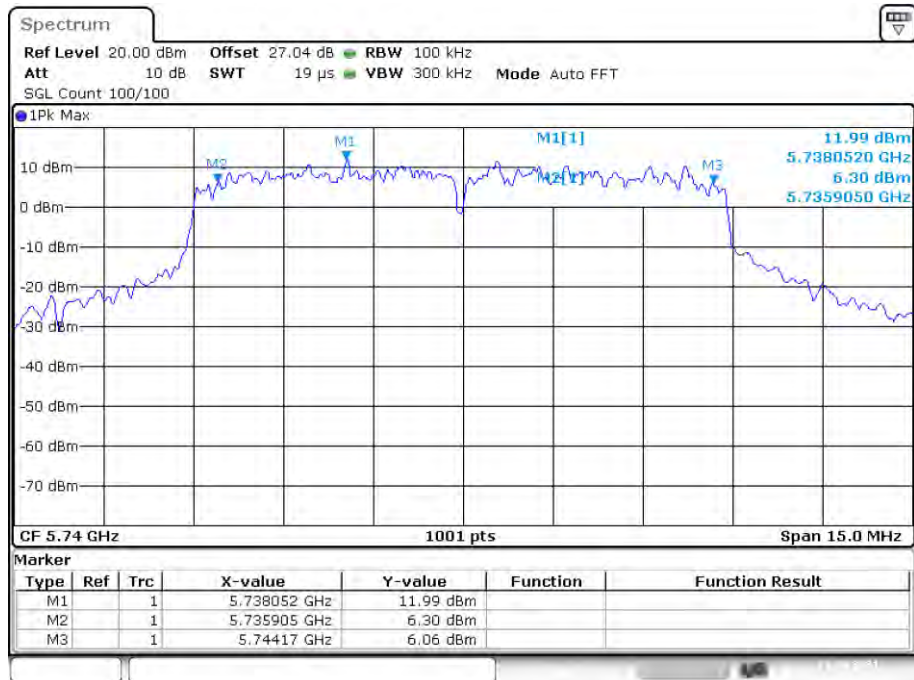
OBW NVNT n30 5695MHz Ant1



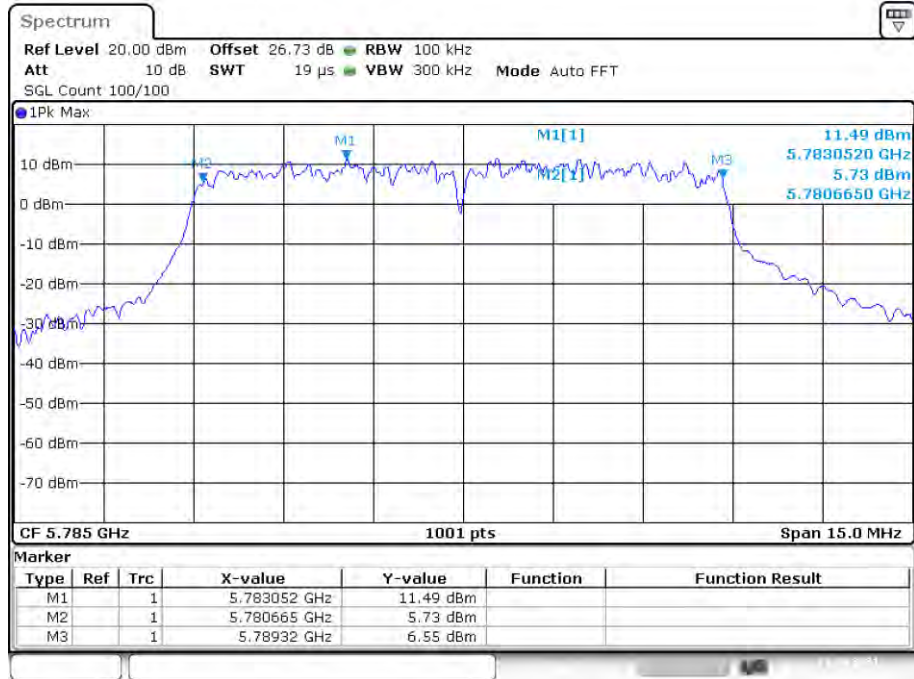
Date: 13.OCT.2021 10:08:45

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

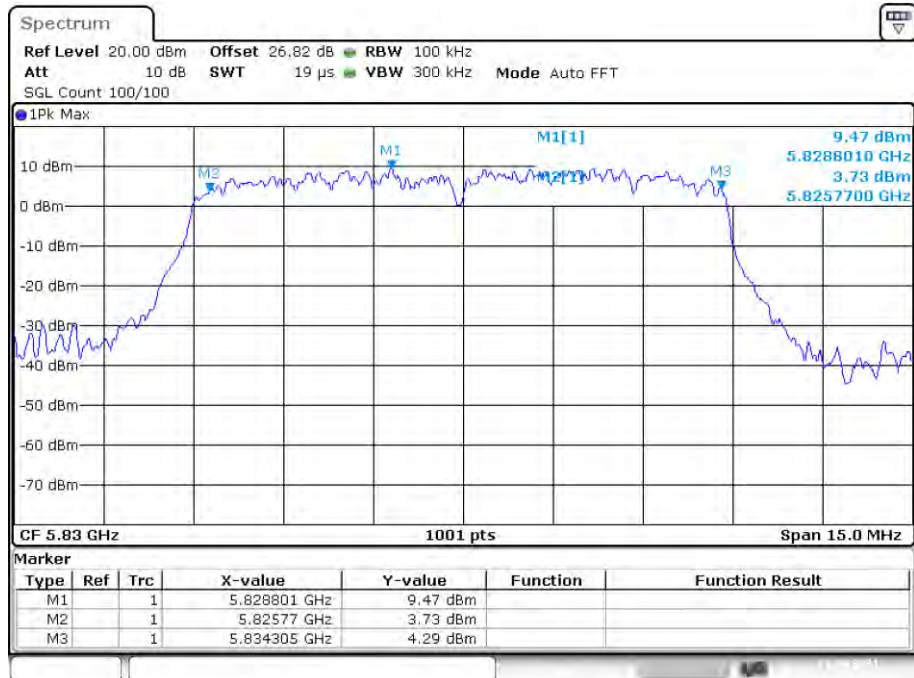
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a10	5740	Ant1	8.265	0.5	Pass
NVNT	a10	5785	Ant1	8.655	0.5	Pass
NVNT	a10	5830	Ant1	8.535	0.5	Pass
NVNT	a20	5745	Ant1	17.67	0.5	Pass
NVNT	a20	5785	Ant1	17.07	0.5	Pass
NVNT	a20	5825	Ant1	15.09	0.5	Pass
NVNT	n10	5740	Ant1	8.43	0.5	Pass
NVNT	n10	5785	Ant1	8.31	0.5	Pass
NVNT	n10	5830	Ant1	8.835	0.5	Pass
NVNT	n20	5745	Ant1	14.76	0.5	Pass
NVNT	n20	5785	Ant1	17.25	0.5	Pass
NVNT	n20	5825	Ant1	17.55	0.5	Pass
NVNT	n30	5750	Ant1	26.505	0.5	Pass
NVNT	n30	5800	Ant1	26.235	0.5	Pass
NVNT	n30	5820	Ant1	26.100	0.5	Pass

-6dB Bandwidth NVNT a10 5740MHz Ant1

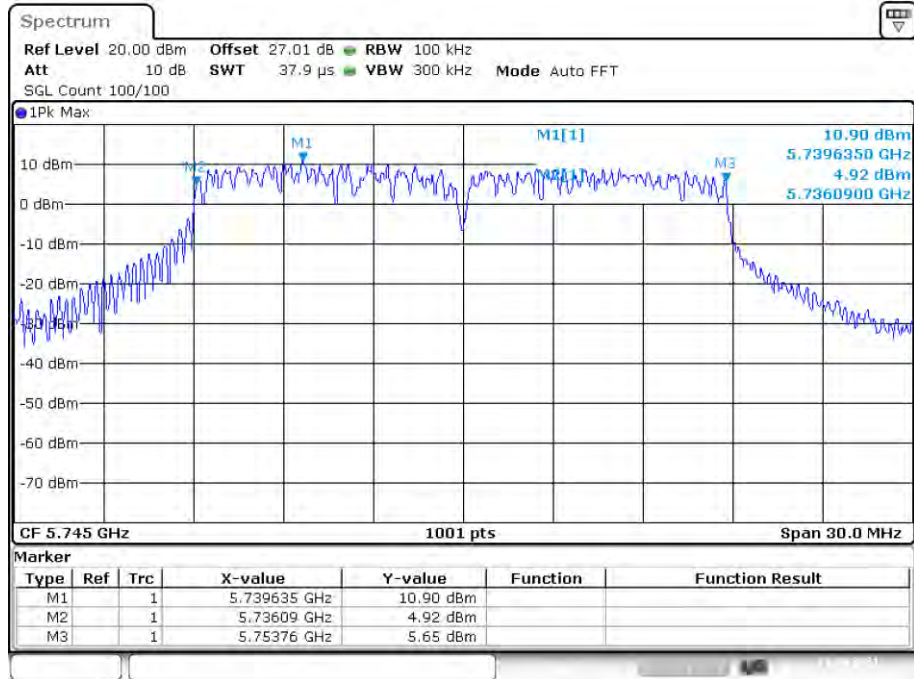
Date: 13.OCT.2021 10:30:47

-6dB Bandwidth NVNT a10 5785MHz Ant1

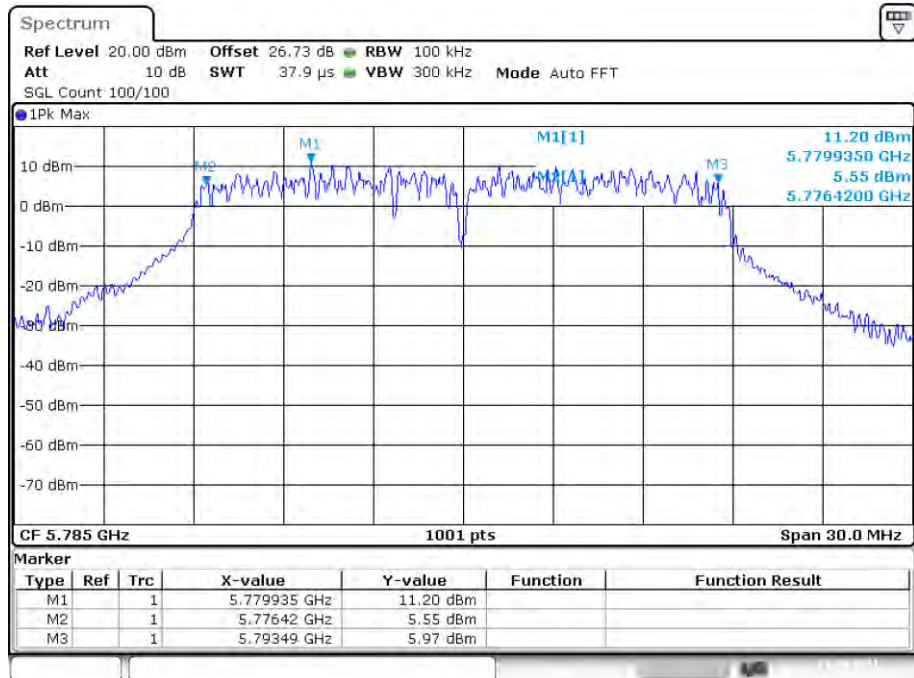
Date: 13.OCT.2021 10:58:06

-6dB Bandwidth NVNT a10 5830MHz Ant1

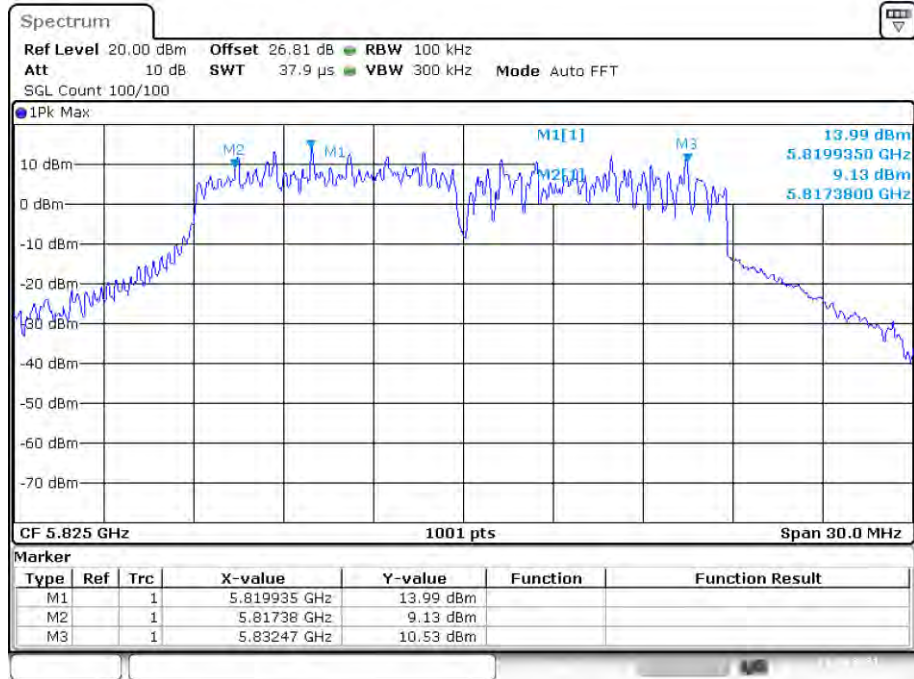
Date: 13.OCT.2021 11:10:22

-6dB Bandwidth NVNT a20 5745MHz Ant1

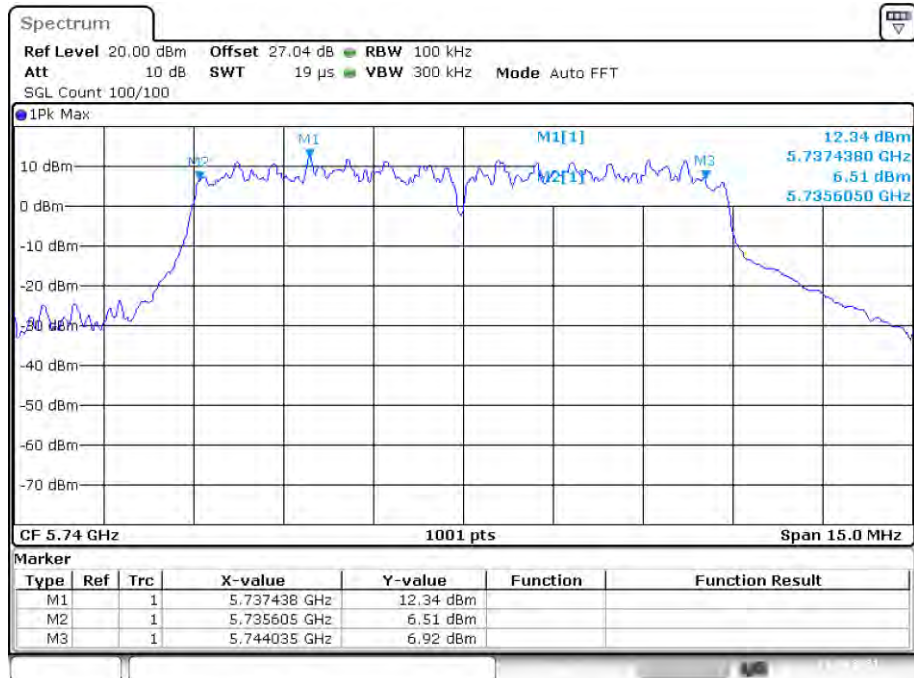
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-6dB Bandwidth NVNT a20 5785MHz Ant1

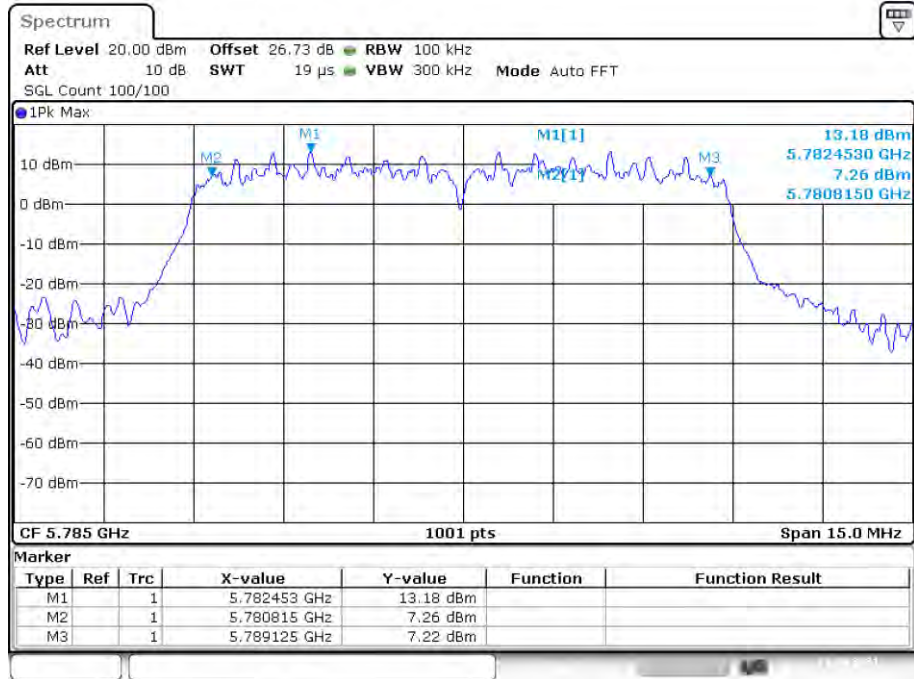
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-6dB Bandwidth NVNT a20 5825MHz Ant1

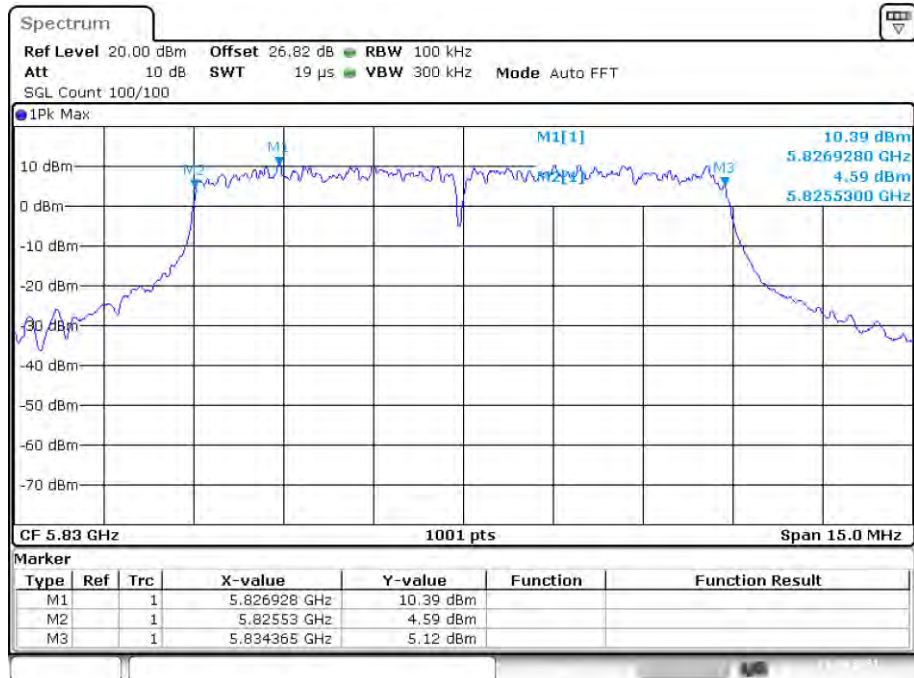
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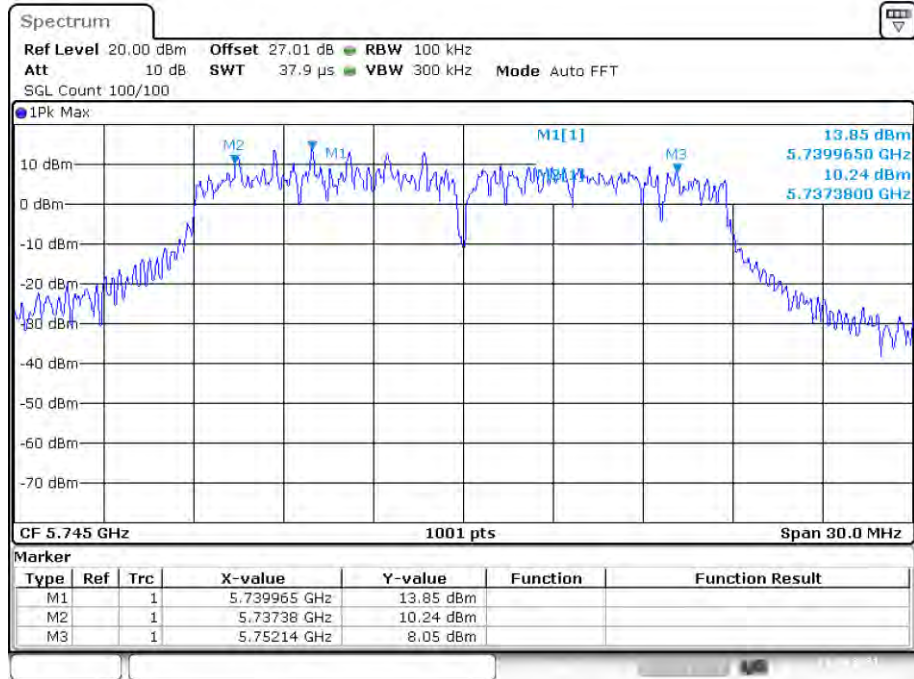
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-6dB Bandwidth NVNT n10 5785MHz Ant1

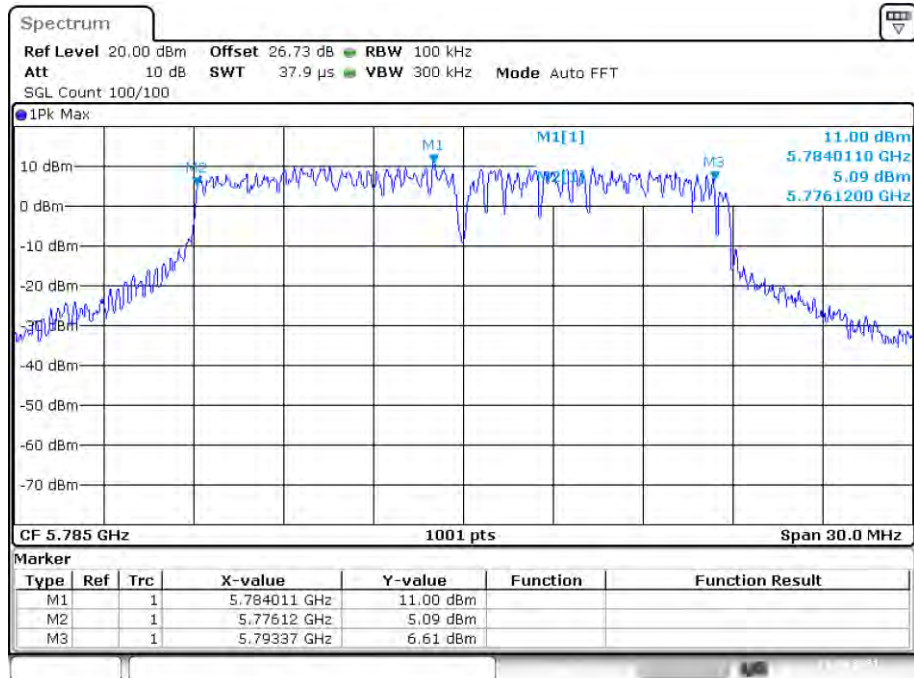
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-6dB Bandwidth NVNT n10 5830MHz Ant1

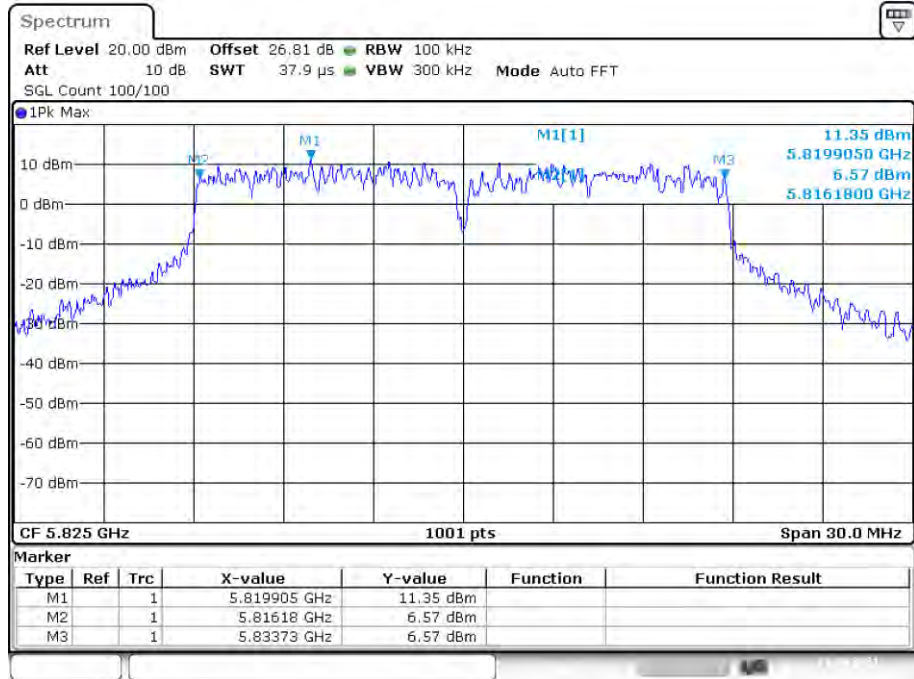
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-6dB Bandwidth NVNT n20 5745MHz Ant1

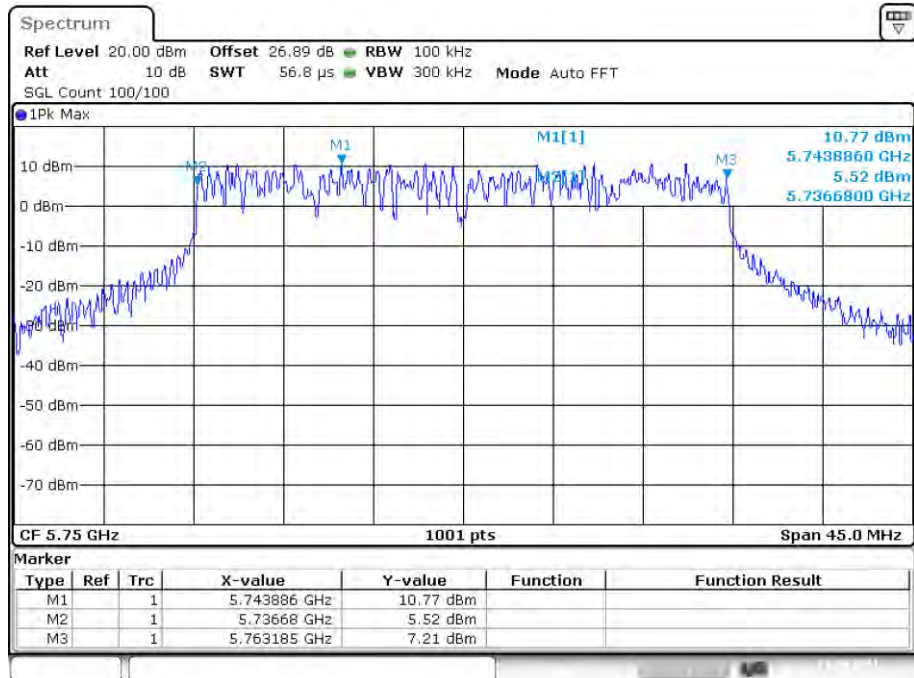
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-6dB Bandwidth NVNT n20 5785MHz Ant1

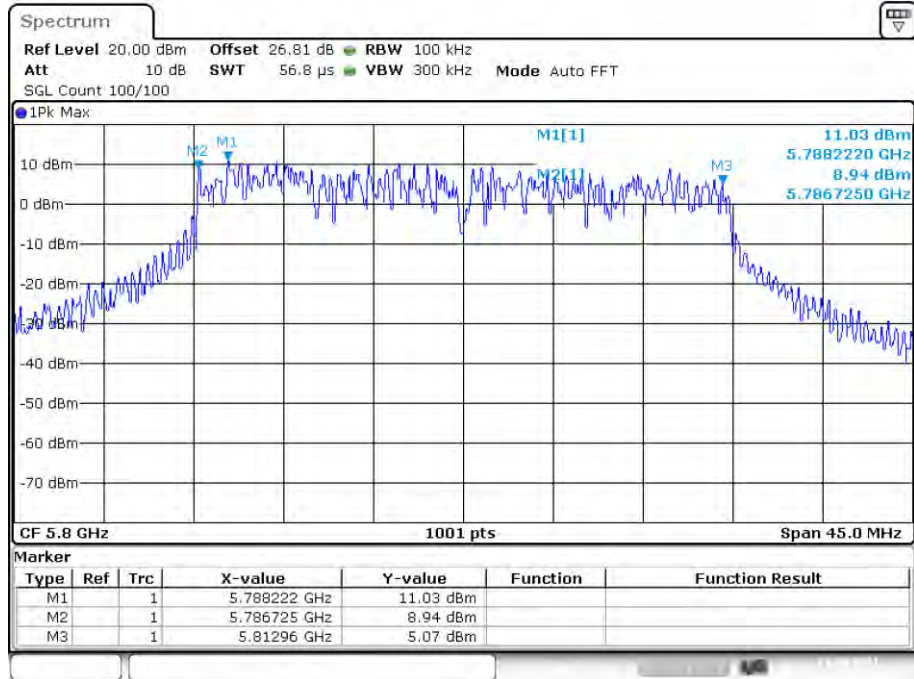
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-6dB Bandwidth NVNT n20 5825MHz Ant1

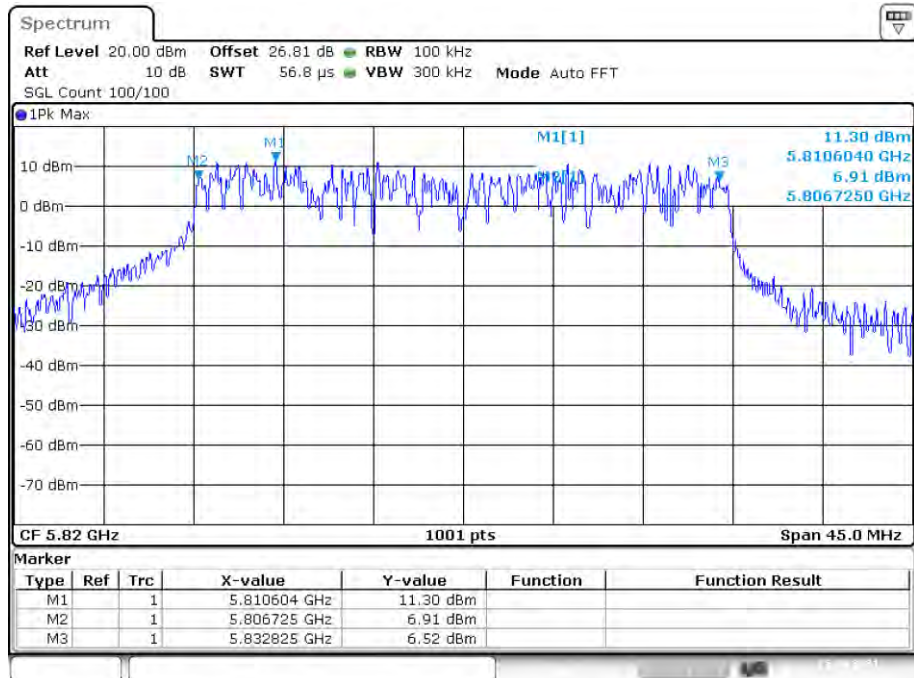
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-6dB Bandwidth NVNT n30 5750MHz Ant1

Date: 13.OCT.2021 12:48:34

-6dB Bandwidth NVNT n30 5800MHz Ant1

Date: 13.OCT.2021 12:55:05

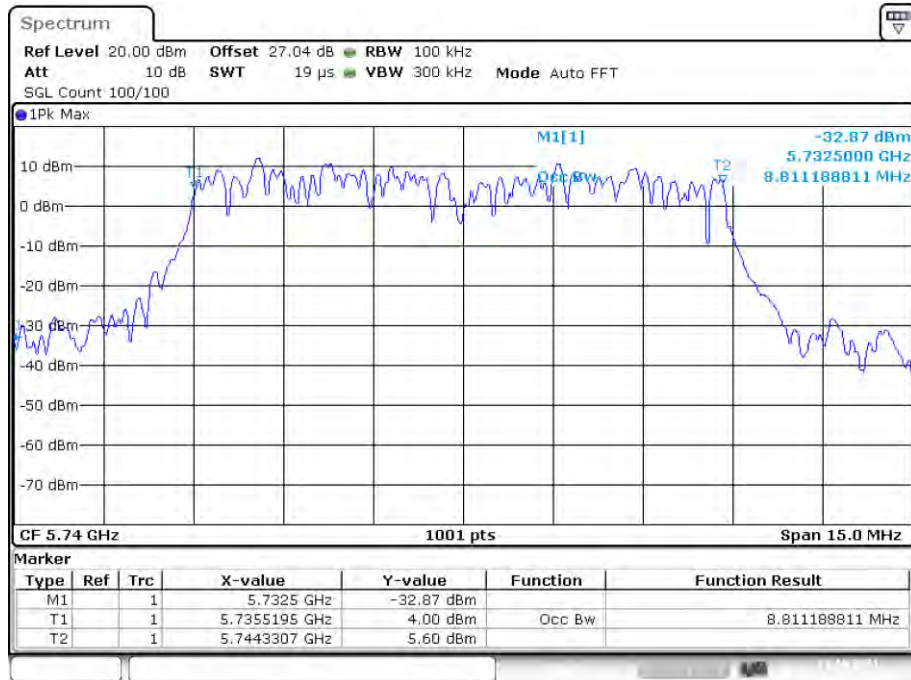
-6dB Bandwidth NVNT n30 5820MHz Ant1

Date: 15.OCT.2021 10:59:57

Occupied Channel Bandwidth

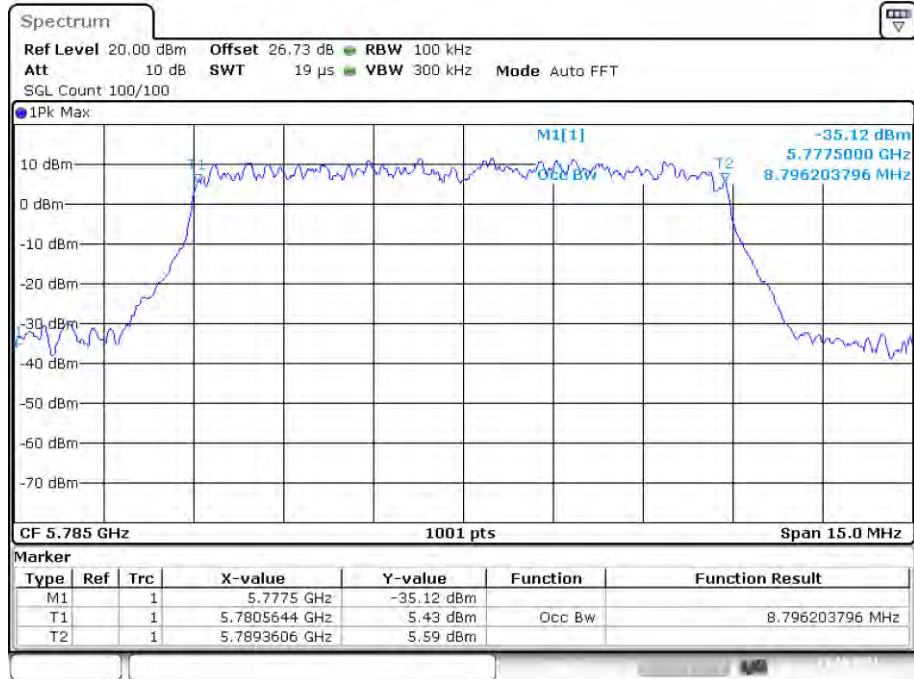
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a10	5740	Ant1	8.811
NVNT	a10	5785	Ant1	8.796
NVNT	a10	5830	Ant1	8.796
NVNT	a20	5745	Ant1	17.413
NVNT	a20	5785	Ant1	16.903
NVNT	a20	5825	Ant1	17.592
NVNT	n10	5740	Ant1	8.736
NVNT	n10	5785	Ant1	8.721
NVNT	n10	5830	Ant1	8.751
NVNT	n20	5745	Ant1	17.413
NVNT	n20	5785	Ant1	17.502
NVNT	n20	5825	Ant1	17.592
NVNT	n30	5750	Ant1	26.389
NVNT	n30	5800	Ant1	26.254
NVNT	n30	5820	Ant1	26.479

OBW NVNT a10 5740MHz Ant1



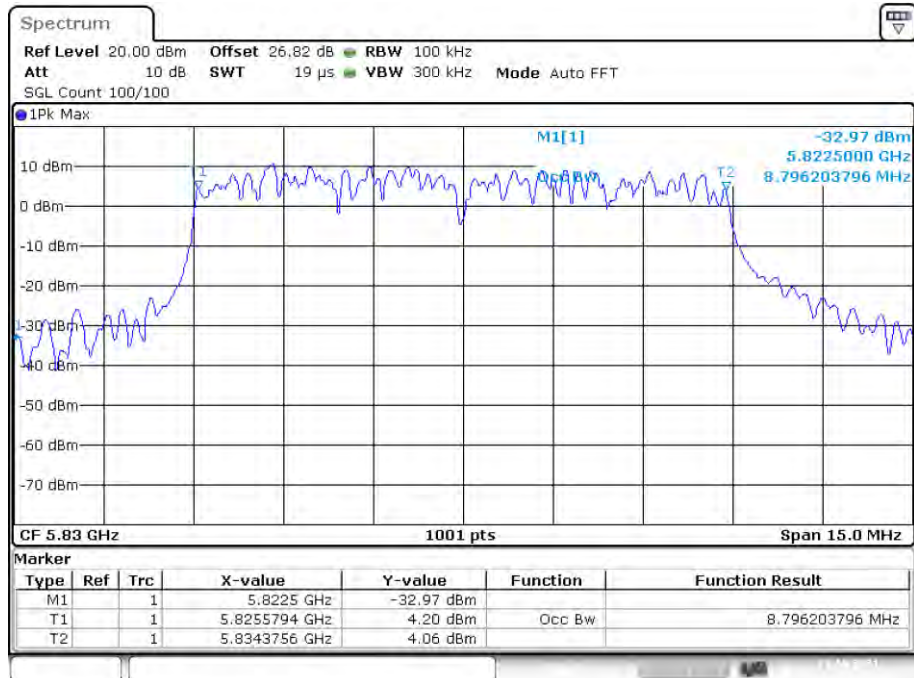
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OBW NVNT a10 5785MHz Ant1



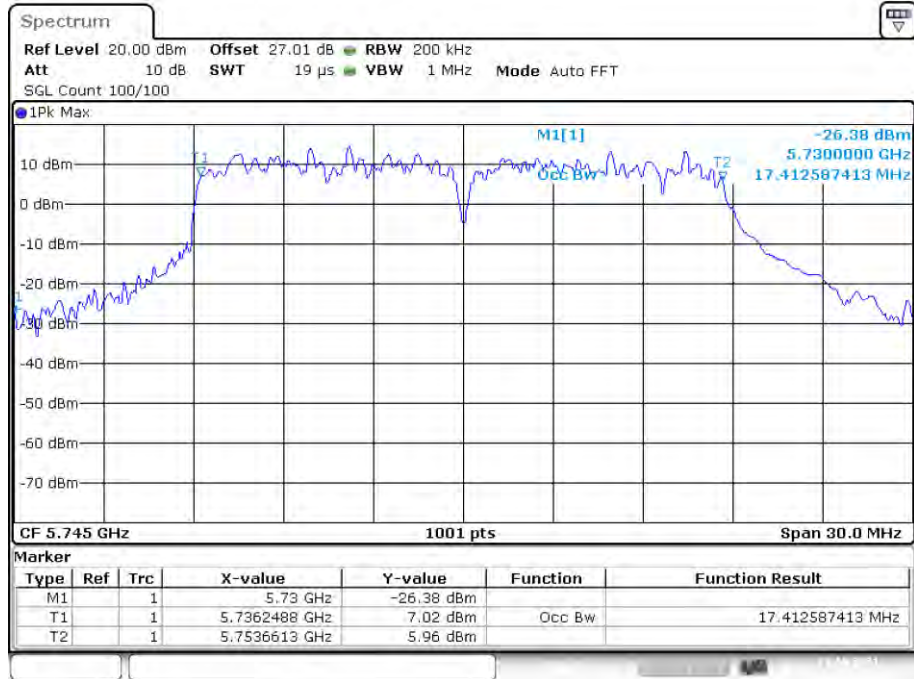
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OBW NVNT a10 5830MHz Ant1



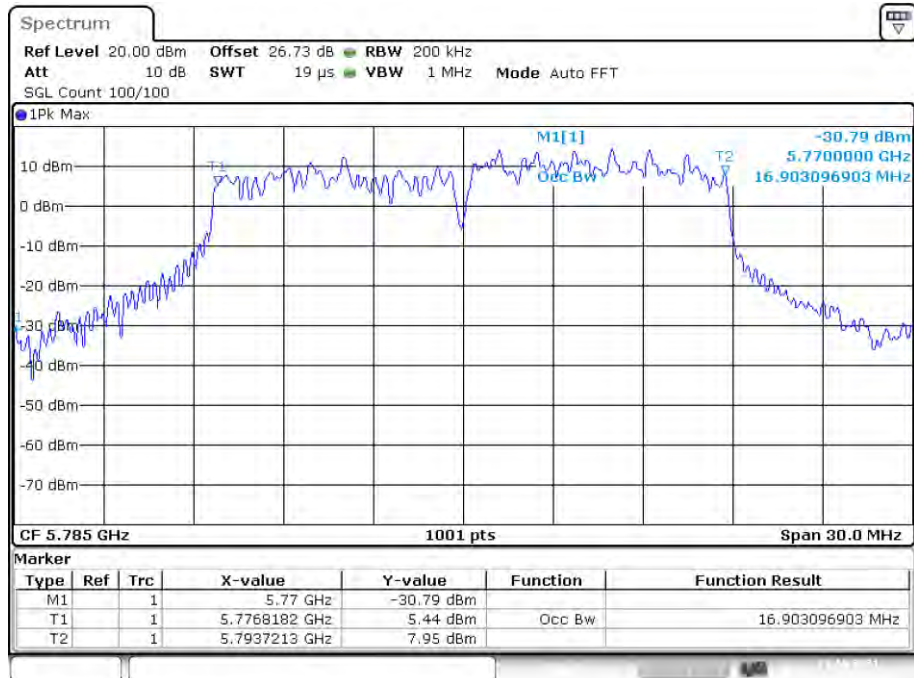
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OBW NVNT a20 5745MHz Ant1



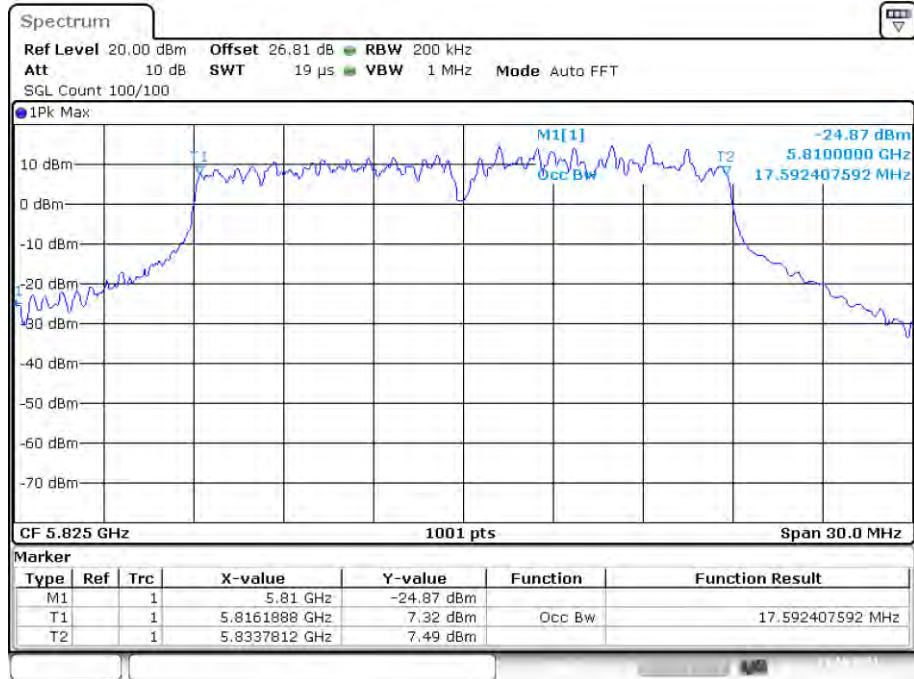
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OBW NVNT a20 5785MHz Ant1



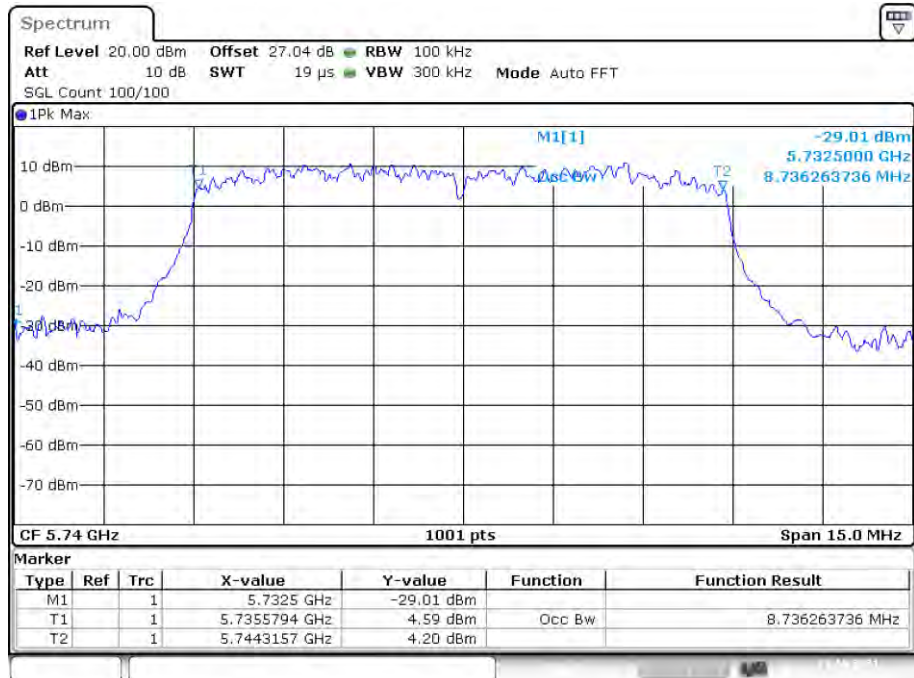
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OBW NVNT a20 5825MHz Ant1



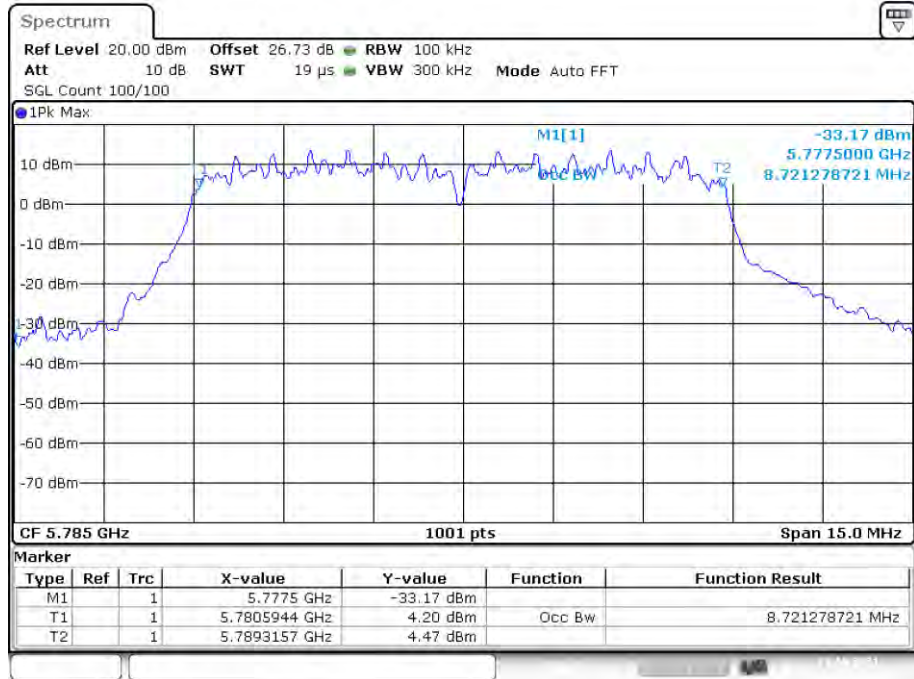
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OBW NVNT n10 5740MHz Ant1



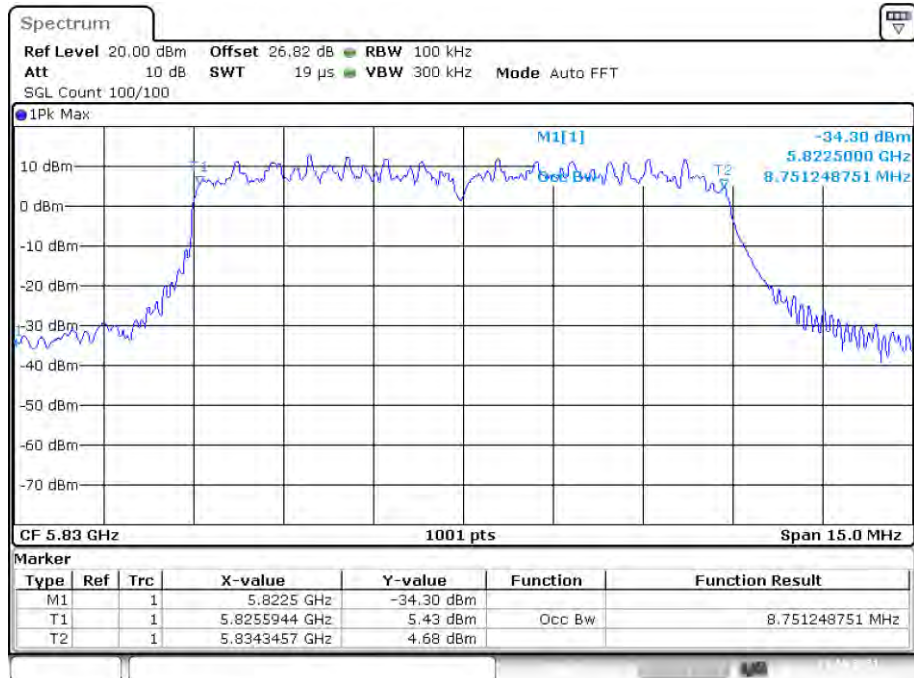
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OBW NVNT n10 5785MHz Ant1



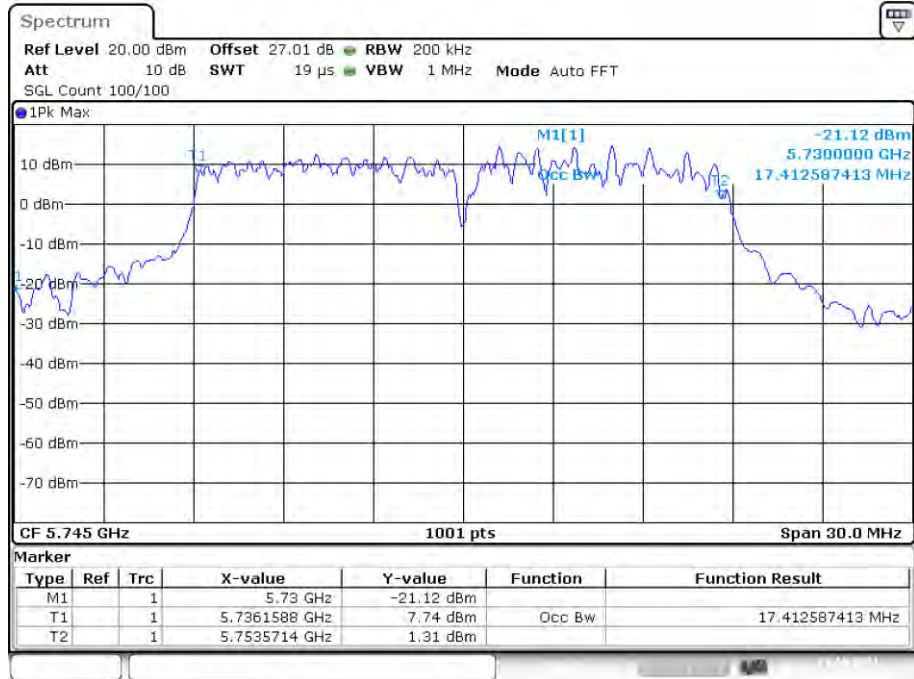
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OBW NVNT n10 5830MHz Ant1



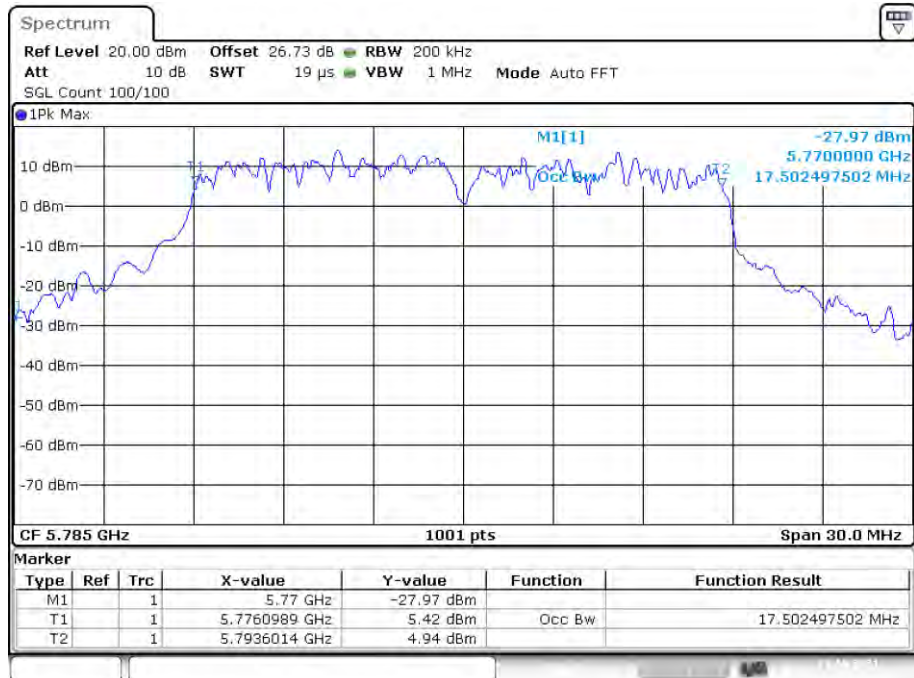
Date: 13.OCT.2021 11:42:12

OBW NVNT n20 5745MHz Ant1



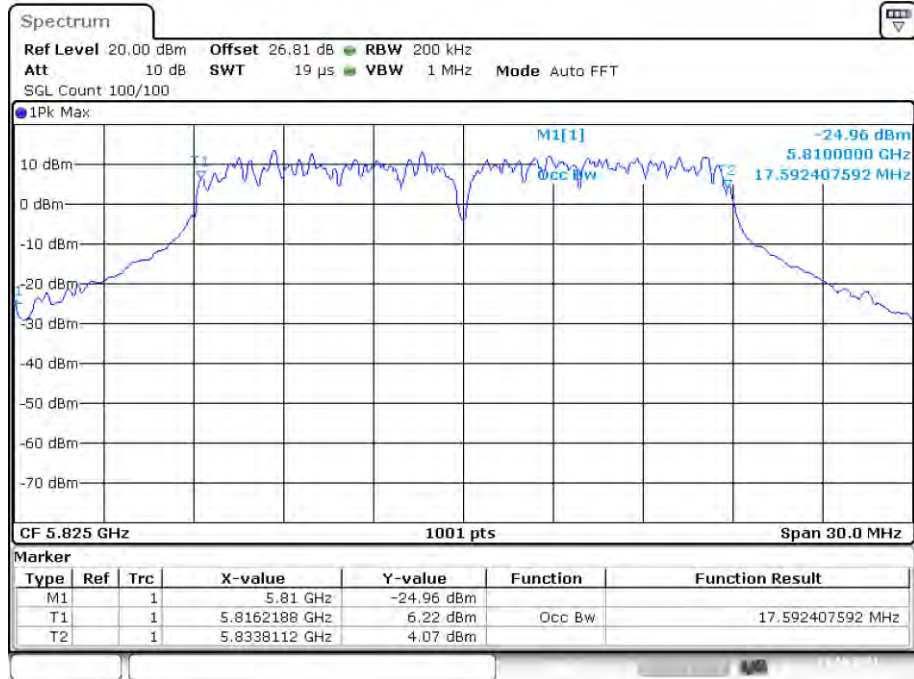
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OBW NVNT n20 5785MHz Ant1



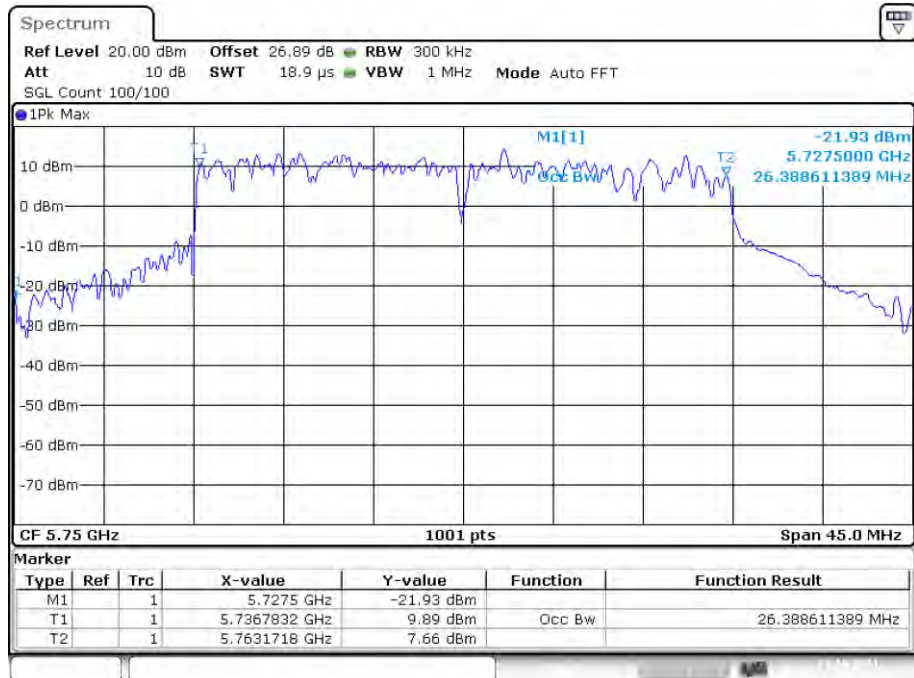
Date: 13.OCT.2021 12:28:19

OBW NVNT n20 5825MHz Ant1



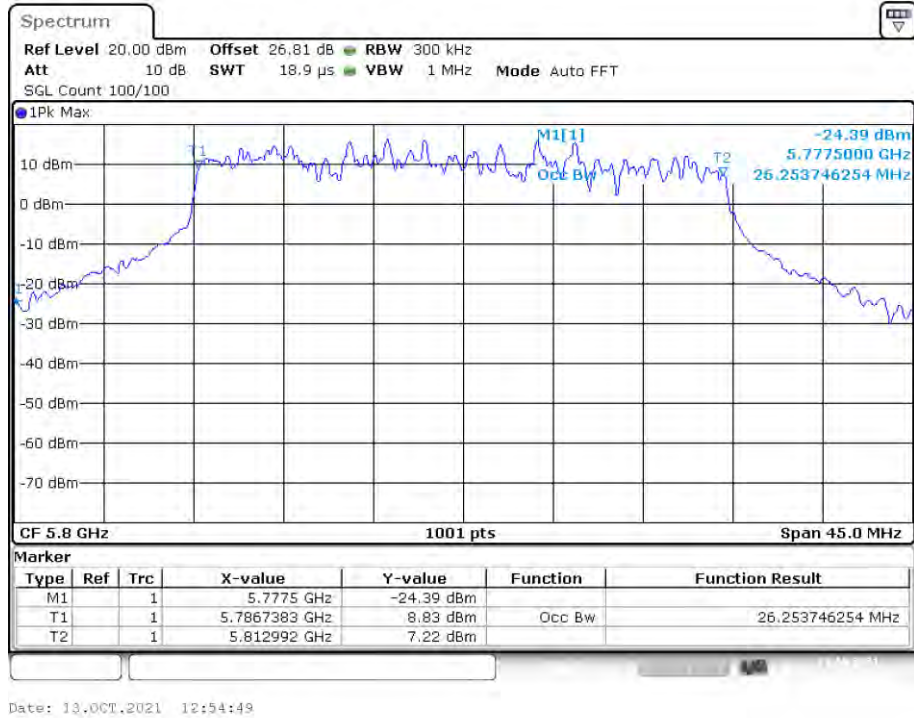
Date: 13.OCT.2021 12:36:28

OBW NVNT n30 5750MHz Ant1

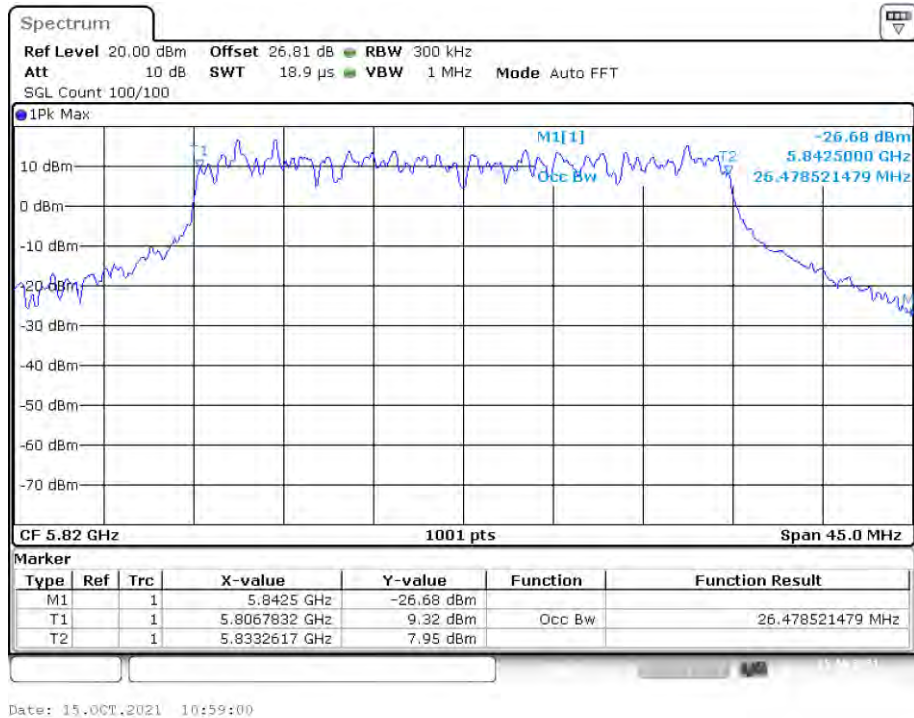


Date: 13.OCT.2021 12:42:20

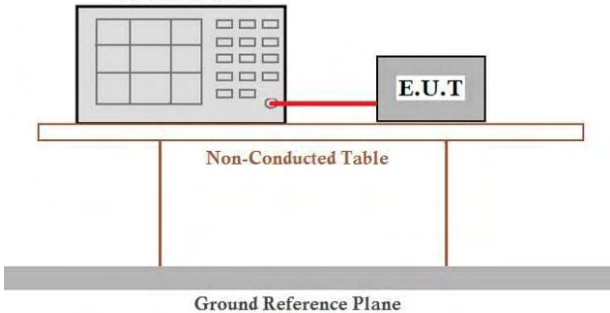
OBW NVNT n30 5800MHz Ant1



OBW NVNT n30 5820MHz Ant1



3.4 Peak Transmit Power

Test Requirement:	FCC Part15 E Section 15.407, RSS-247 Issue 2																		
Test Method:	KDB 789033 D02 General UNII Test Procedures New Rules v02r01																		
Limit:	FCC: For the band 5.15-5.25GHz, 5.25-5.35GHz, 5.47-5.725GHz, The maximum conducted output power over the frequency bands of operation shall not exceed 250mW. For the band 5.725-5.85GHz, the maximum conducted output power over the frequency bands of operation shall not exceed 1W. IC: <table><tr><th>Section</th><th>Test Item</th><th>Limit</th><th>Frequency Range (MHz)</th><th>Result</th></tr><tr><td>6.2.1.1</td><td rowspan="4">Peak Output Power</td><td>$200\text{ mW or } 10 + 10 \log_{10} B$, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz.</td><td>5150-5250</td><td rowspan="4">PASS</td></tr><tr><td>6.2.2.1</td><td rowspan="2">The lesser of 250 mW or $11\text{ dBm} + 10 \log(26\text{ dB emission bandwidth})$.</td><td>5250-5350</td></tr><tr><td>6.2.3.1</td><td>5470-5725</td></tr><tr><td>6.2.4.1</td><td>1 watt</td><td>5725-5825</td></tr></table>	Section	Test Item	Limit	Frequency Range (MHz)	Result	6.2.1.1	Peak Output Power	$200\text{ mW or } 10 + 10 \log_{10} B$, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz.	5150-5250	PASS	6.2.2.1	The lesser of 250 mW or $11\text{ dBm} + 10 \log(26\text{ dB emission bandwidth})$.	5250-5350	6.2.3.1	5470-5725	6.2.4.1	1 watt	5725-5825
Section	Test Item	Limit	Frequency Range (MHz)	Result															
6.2.1.1	Peak Output Power	$200\text{ mW or } 10 + 10 \log_{10} B$, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz.	5150-5250	PASS															
6.2.2.1		The lesser of 250 mW or $11\text{ dBm} + 10 \log(26\text{ dB emission bandwidth})$.	5250-5350																
6.2.3.1			5470-5725																
6.2.4.1		1 watt	5725-5825																
Test setup:	Power Meter  Non-Conducted Table Ground Reference Plane																		
Test procedure:	Measurement using an RF average power meter (i) Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the conditions listed below are satisfied a) The EUT is configured to transmit continuously or to transmit with a constant duty cycle. b) At all times when the EUT is transmitting, it must be transmitting at its maximum power control level. c) The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five. (ii) If the transmitter does not transmit continuously, measure the duty cycle, x, of the transmitter output signal as described in section B). (iii) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter. (iv) Adjust the measurement in dBm by adding $10 \log(1/x)$ where x is the duty cycle (e.g., $10 \log(1/0.25)$ if the duty cycle is 25 percent).																		
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)**

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Antenna gain(dBi)	E.i.r.p (dBm)	Limit (dBm)	Verdict
NVNT	a10	5175	Ant1	3.925	13	16.925	23	Pass
NVNT	a10	5200	Ant1	4.229	13	17.229	23	Pass
NVNT	a10	5245	Ant1	5.637	13	18.637	23	Pass
NVNT	a20	5180	Ant1	5.821	13	18.821	23	Pass
NVNT	a20	5200	Ant1	5.645	13	18.645	23	Pass
NVNT	a20	5240	Ant1	5.82	13	18.82	23	Pass
NVNT	n10	5175	Ant1	4.78	13	17.78	23	Pass
NVNT	n10	5200	Ant1	4.2	13	17.2	23	Pass
NVNT	n10	5245	Ant1	4.674	13	17.674	23	Pass
NVNT	n20	5180	Ant1	5.997	13	18.997	23	Pass
NVNT	n20	5200	Ant1	6.11	13	19.11	23	Pass
NVNT	n20	5240	Ant1	6.873	13	19.873	23	Pass
NVNT	n30	5185	Ant1	6.233	13	19.233	23	Pass
NVNT	n30	5235	Ant1	6.264	13	19.264	23	Pass

Band 2 (5250 -5350 MHz)

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Antenna gain(dBi)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a10	5255	Ant1	-1.945	13	11.055	24	Pass
NVNT	a10	5280	Ant1	-1.401	13	11.599	24	Pass
NVNT	a10	5325	Ant1	-1.037	13	11.963	24	Pass
NVNT	a20	5260	Ant1	0.446	13	13.446	24	Pass
NVNT	a20	5280	Ant1	-0.158	13	12.842	24	Pass
NVNT	a20	5320	Ant1	0.78	13	13.78	24	Pass
NVNT	n10	5255	Ant1	-1.613	13	11.387	24	Pass
NVNT	n10	5280	Ant1	-1.32	13	11.68	24	Pass
NVNT	n10	5325	Ant1	-0.909	13	12.091	24	Pass
NVNT	n20	5260	Ant1	0.779	13	13.779	24	Pass
NVNT	n20	5280	Ant1	0.913	13	13.913	24	Pass
NVNT	n20	5320	Ant1	0.839	13	13.839	24	Pass
NVNT	n30	5265	Ant1	0.429	13	13.429	24	Pass
NVNT	n30	5315	Ant1	1.419	13	14.419	24	Pass

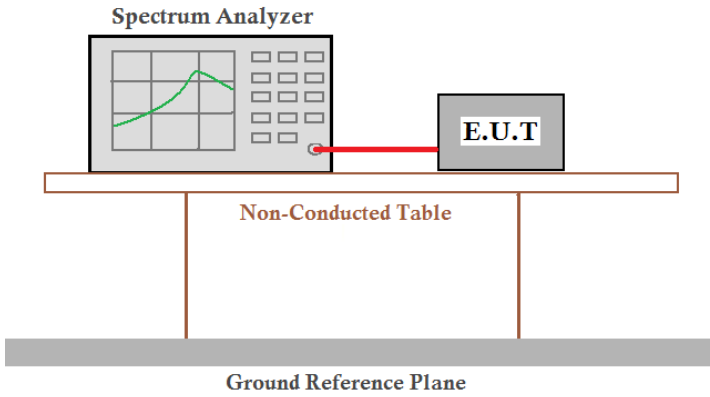
Band 3 (5470-5725 MHz)

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Antenna gain(dBi)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a10	5495	Ant1	-1.401	13	11.599	24	Pass
NVNT	a10	5580	Ant1	-1.718	13	11.282	24	Pass
NVNT	a10	5705	Ant1	-1.862	13	11.138	24	Pass
NVNT	a20	5500	Ant1	-0.189	13	12.811	24	Pass
NVNT	a20	5580	Ant1	0.565	13	13.565	24	Pass
NVNT	a20	5700	Ant1	-0.096	13	12.904	24	Pass
NVNT	n10	5495	Ant1	-1.175	13	11.825	24	Pass
NVNT	n10	5580	Ant1	-1.21	13	11.79	24	Pass
NVNT	n10	5705	Ant1	-0.906	13	12.094	24	Pass
NVNT	n20	5500	Ant1	-0.012	13	12.988	24	Pass
NVNT	n20	5580	Ant1	0.917	13	13.917	24	Pass
NVNT	n20	5700	Ant1	0.139	13	13.139	24	Pass
NVNT	n30	5505	Ant1	0.647	13	13.647	24	Pass
NVNT	n30	5695	Ant1	0.26	13	13.26	24	Pass

Band 4 (5725 - 5850)

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Antenna gain(dBi)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a10	5740	Ant1	10.948	13	23.948	30	Pass
NVNT	a10	5785	Ant1	10.616	13	23.616	30	Pass
NVNT	a10	5830	Ant1	9.745	13	22.745	30	Pass
NVNT	a20	5745	Ant1	12.156	13	25.156	30	Pass
NVNT	a20	5785	Ant1	11.162	13	24.162	30	Pass
NVNT	a20	5825	Ant1	11.681	13	24.681	30	Pass
NVNT	n10	5740	Ant1	10.56	13	23.56	30	Pass
NVNT	n10	5785	Ant1	10.897	13	23.897	30	Pass
NVNT	n10	5830	Ant1	10.903	13	23.903	30	Pass
NVNT	n20	5745	Ant1	11.681	13	24.681	30	Pass
NVNT	n20	5785	Ant1	11.854	13	24.854	30	Pass
NVNT	n20	5825	Ant1	11.333	13	24.333	30	Pass
NVNT	n30	5750	Ant1	12.242	13	25.242	30	Pass
NVNT	n30	5800	Ant1	11.906	13	24.906	30	Pass
NVNT	n30	5820	Ant1	12.024	13	25.024	30	Pass

3.5 Power Spectral Density

Test Requirement:	FCC Part15 E Section 15.407, RSS-247 Issue 2
Test Method:	KDB 789033 D02 General UNII Test Procedures New Rules v02r01
Limit:	FCC: 1. $\leq 11.00 \text{ dBm/MHz}$ for 5150MHz-5250MHz, 5250-5350MHz and 5470-5725 MHz 2. $\leq 30.00 \text{ dBm/500KHz}$ for 5725MHz-5850MHz IC: 1. For the 5.15-5.25 GHz, The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band. 2. For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.
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) Create an average power spectrum for the EUT operating mode being tested by following the instructions in section E)2) for measuring maximum conducted output power using a spectrum analyzer or EMI receiver: select the appropriate test method (SA-1, SA-2, SA-3, or alternatives to each) and apply it up to, but not including, the step labeled, "Compute power...". 2) Use the peak search function on the instrument to find the peak of the spectrum. 3) Make the following adjustments to the peak value of the spectrum, if applicable: a) If Method SA-2 or SA-2 Alternative was used, add $10 \log(1/x)$, where x is the duty cycle, to the peak of the spectrum. b) If Method SA-3 Alternative was used and the linear mode was used in step E)2)g)(viii), add 1 dB to the final result to compensate for the difference between linear averaging and power averaging. 4) The result is the PSD.
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)**

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a10	5175	Ant1	9.596	10	Pass
NVNT	a10	5200	Ant1	8.985	10	Pass
NVNT	a10	5245	Ant1	9.903	10	Pass
NVNT	a20	5180	Ant1	8.822	10	Pass
NVNT	a20	5200	Ant1	9.364	10	Pass
NVNT	a20	5240	Ant1	8.802	10	Pass
NVNT	n10	5175	Ant1	9.625	10	Pass
NVNT	n10	5200	Ant1	8.866	10	Pass
NVNT	n10	5245	Ant1	9.528	10	Pass
NVNT	n20	5180	Ant1	8.863	10	Pass
NVNT	n20	5200	Ant1	9.084	10	Pass
NVNT	n20	5240	Ant1	9.951	10	Pass
NVNT	n30	5185	Ant1	9.039	10	Pass
NVNT	n30	5235	Ant1	9.264	10	Pass

PSD NVNT a10 5175MHz Ant1

Date: 12.OCT.2021 11:01:04

PSD NVNT a10 5200MHz Ant1



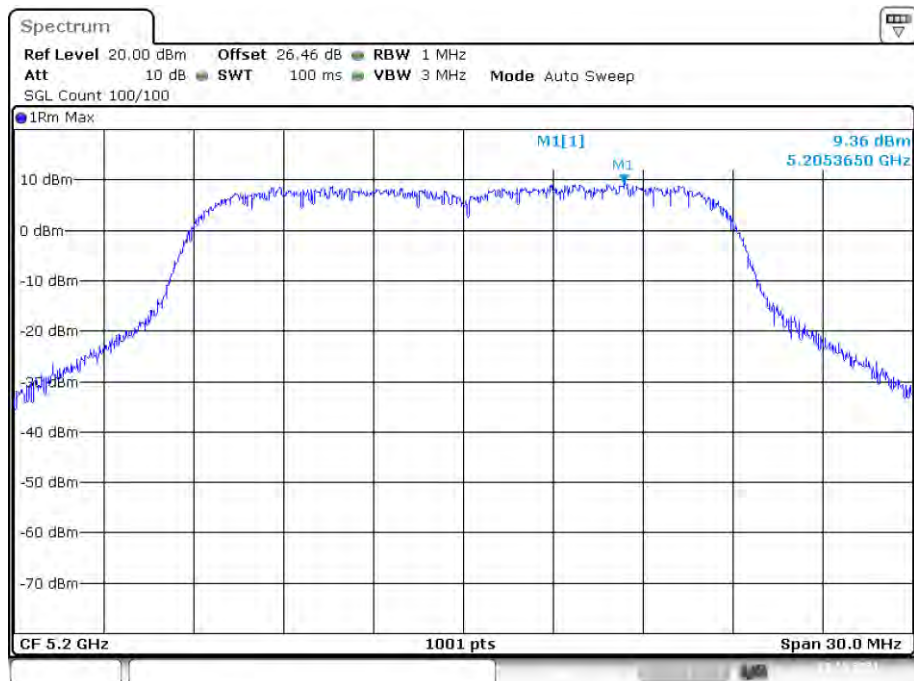
PSD NVNT a10 5245MHz Ant1



PSD NVNT a20 5180MHz Ant1



PSD NVNT a20 5200MHz Ant1



PSD NVNT a20 5240MHz Ant1



PSD NVNT n10 5175MHz Ant1



PSD NVNT n10 5200MHz Ant1



Date: 12.OCT.2021 11:30:41

PSD NVNT n10 5245MHz Ant1



Date: 12.OCT.2021 11:34:44

PSD NVNT n20 5180MHz Ant1



Date: 12.OCT.2021 12:15:40

PSD NVNT n20 5200MHz Ant1



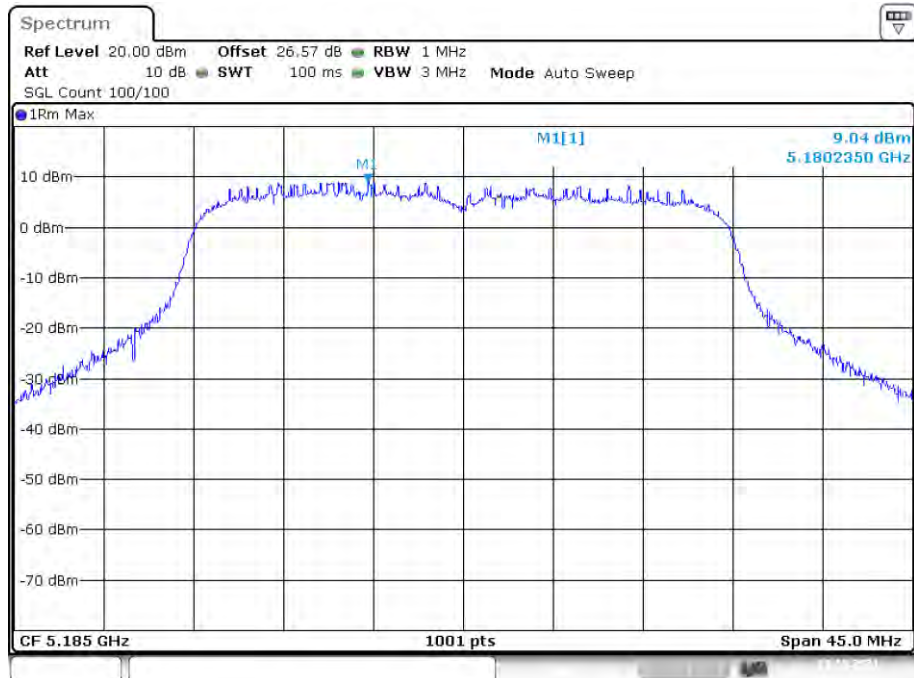
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PSD NVNT n20 5240MHz Ant1



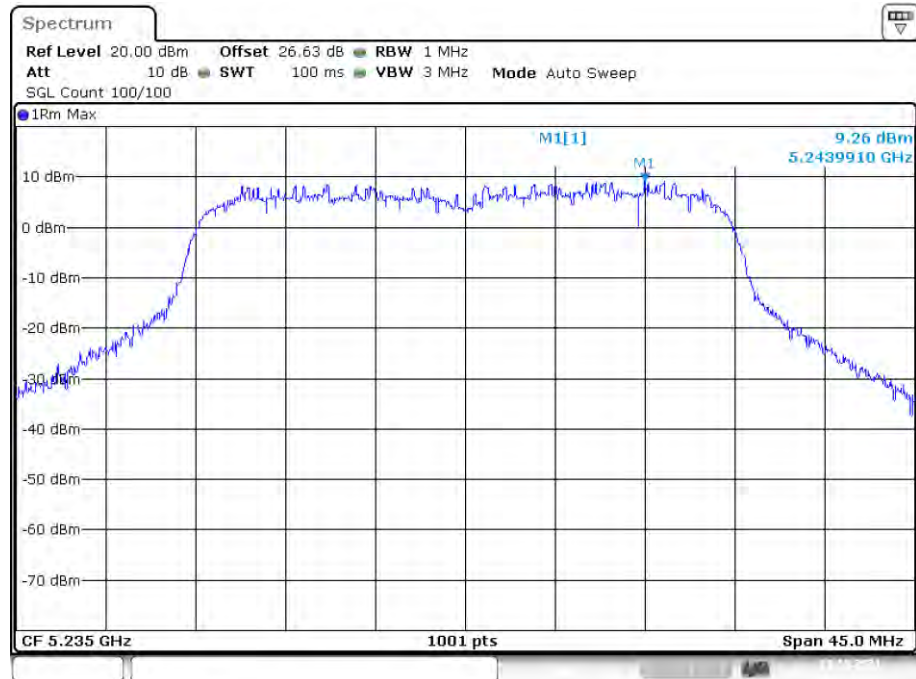
Date: 12.OCT.2021 12:36:43

PSD NVNT n30 5185MHz Ant1



Date: 12.OCT.2021 12:52:21

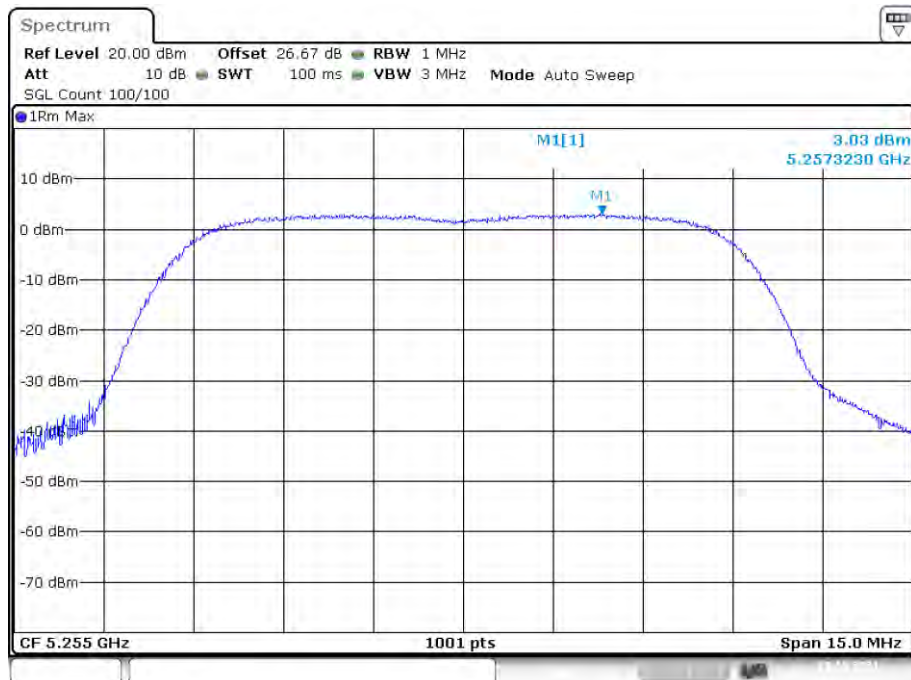
PSD NVNT n30 5235MHz Ant1



Date: 12.OCT.2021 13:06:12

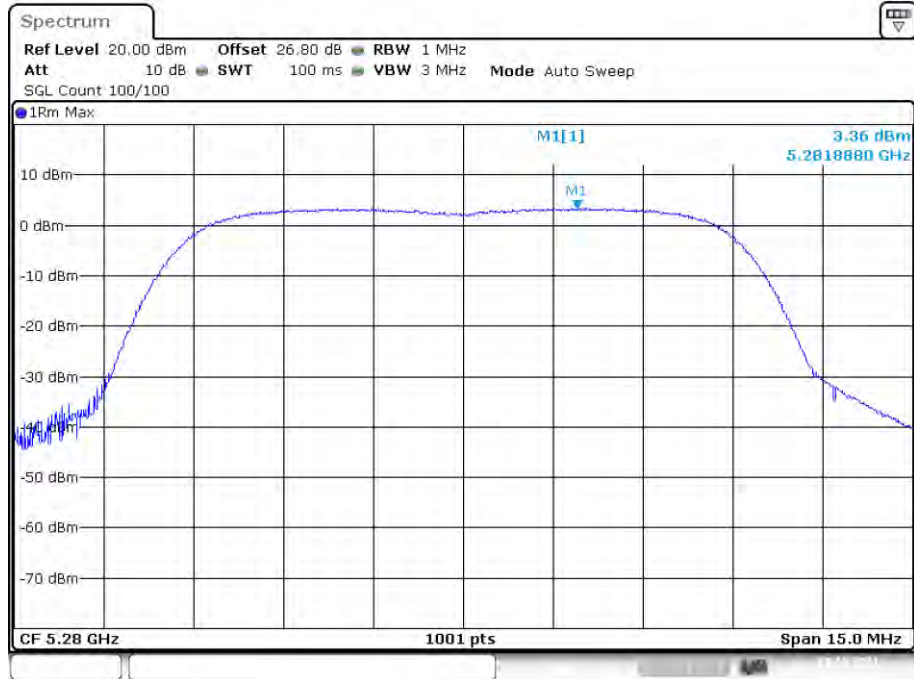
Band 2 (5250 -5350 MHz)

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a10	5255	Ant1	3.028	4	Pass
NVNT	a10	5280	Ant1	3.362	4	Pass
NVNT	a10	5325	Ant1	3.778	4	Pass
NVNT	a20	5260	Ant1	3.267	4	Pass
NVNT	a20	5280	Ant1	2.831	4	Pass
NVNT	a20	5320	Ant1	3.644	4	Pass
NVNT	n10	5255	Ant1	3.403	4	Pass
NVNT	n10	5280	Ant1	3.322	4	Pass
NVNT	n10	5325	Ant1	3.907	4	Pass
NVNT	n20	5260	Ant1	3.396	4	Pass
NVNT	n20	5280	Ant1	3.769	4	Pass
NVNT	n20	5320	Ant1	3.778	4	Pass
NVNT	n30	5265	Ant1	3.008	4	Pass
NVNT	n30	5315	Ant1	3.852	4	Pass

PSD NVNT a10 5255MHz Ant1

Date: 12.OCT.2021 16:27:38

PSD NVNT a10 5280MHz Ant1



Date: 13.OCT.2021 04:25:05

PSD NVNT a10 5325MHz Ant1



Date: 13.OCT.2021 04:31:37

PSD NVNT a20 5260MHz Ant1



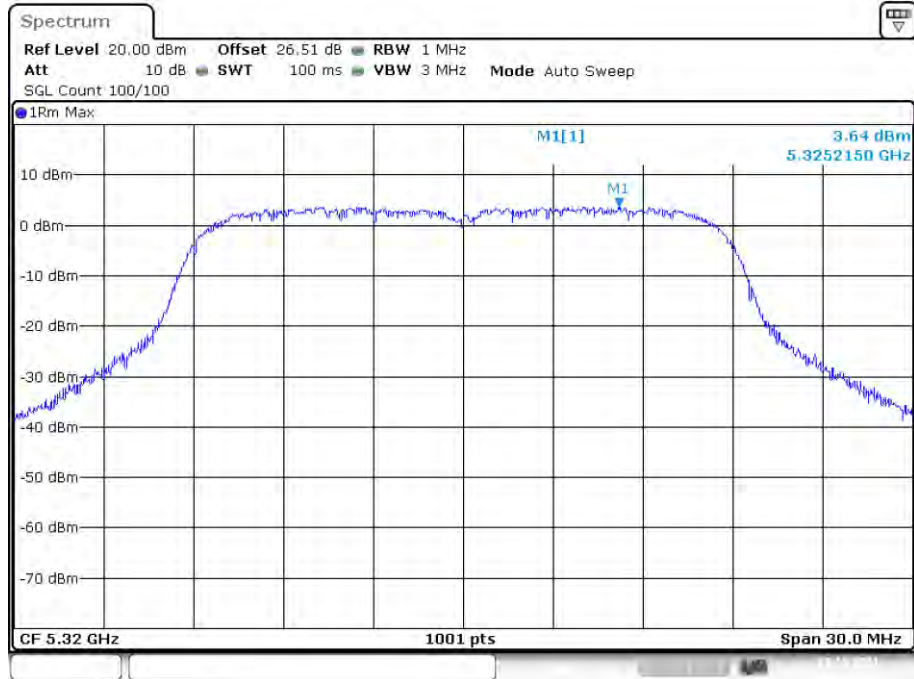
Date: 13.OCT.2021 04:55:46

PSD NVNT a20 5280MHz Ant1



Date: 13.OCT.2021 05:01:40

PSD NVNT a20 5320MHz Ant1



Date: 13.OCT.2021 05:07:45

PSD NVNT n10 5255MHz Ant1



Date: 13.OCT.2021 04:38:53

PSD NVNT n10 5280MHz Ant1



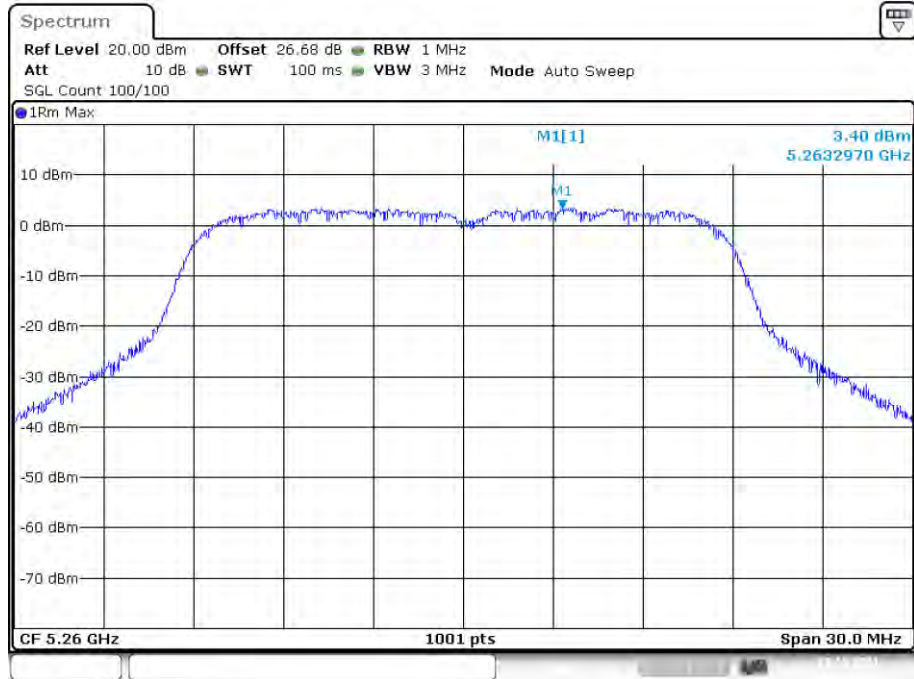
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PSD NVNT n10 5325MHz Ant1



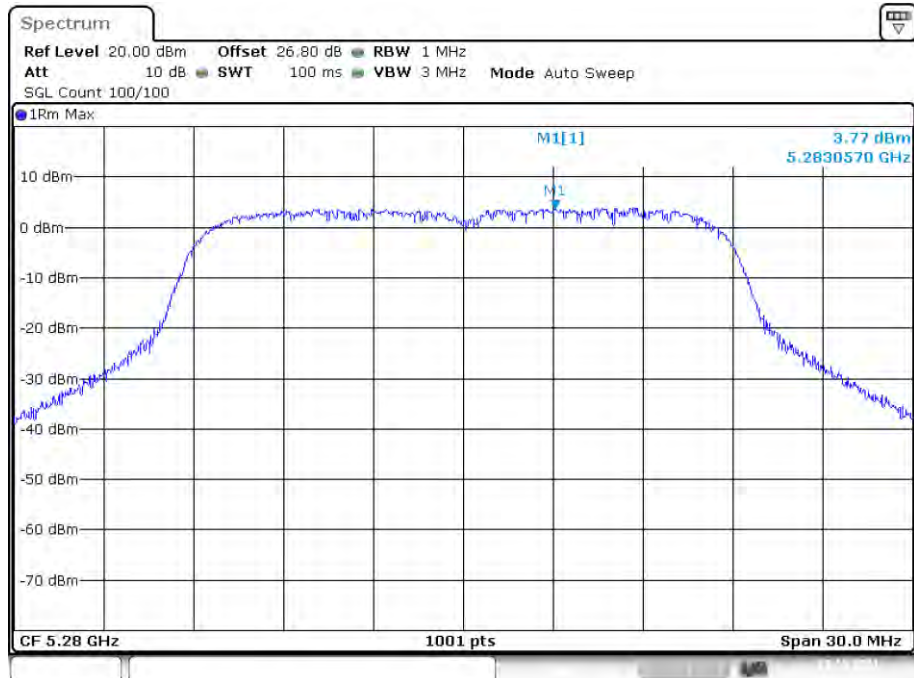
Date: 13.OCT.2021 04:49:11

PSD NVNT n20 5260MHz Ant1



Date: 13.OCT.2021 05:18:06

PSD NVNT n20 5280MHz Ant1



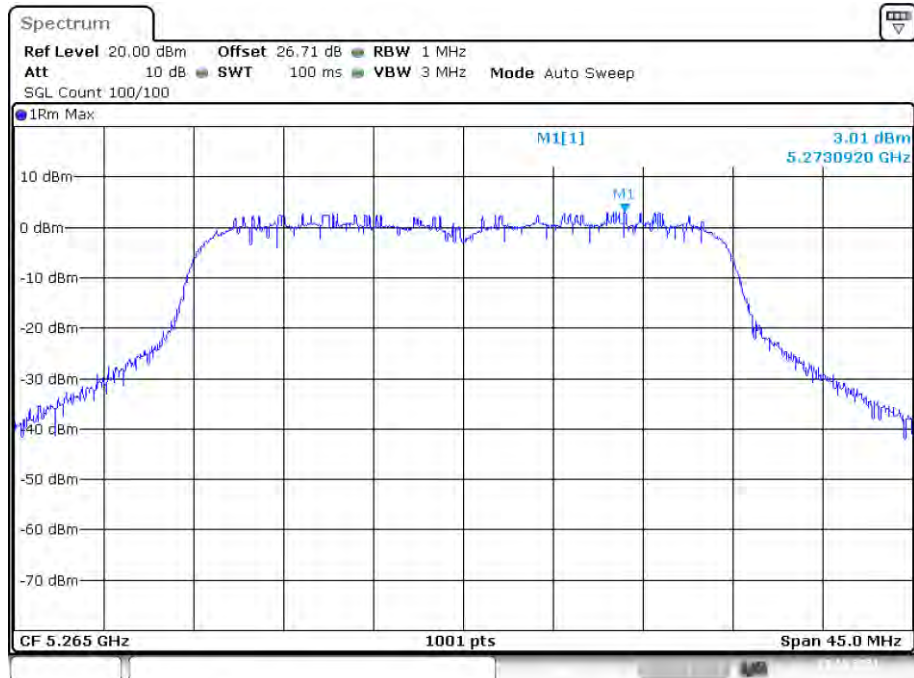
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PSD NVNT n20 5320MHz Ant1



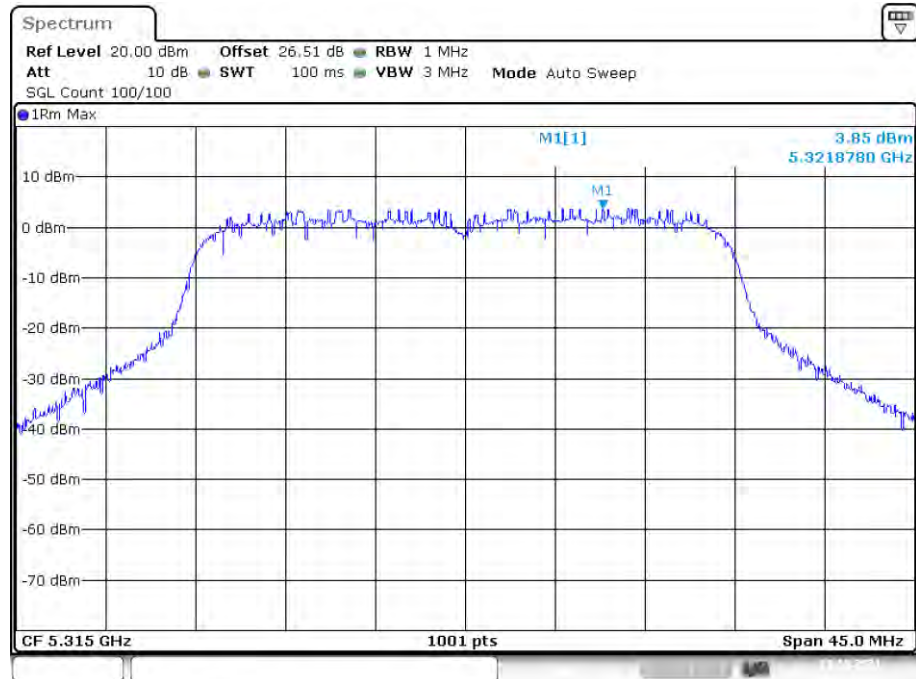
Date: 13.OCT.2021 05:40:01

PSD NVNT n30 5265MHz Ant1



Date: 13.OCT.2021 05:50:38

PSD NVNT n30 5315MHz Ant1



Date: 13.OCT.2021 06:01:24

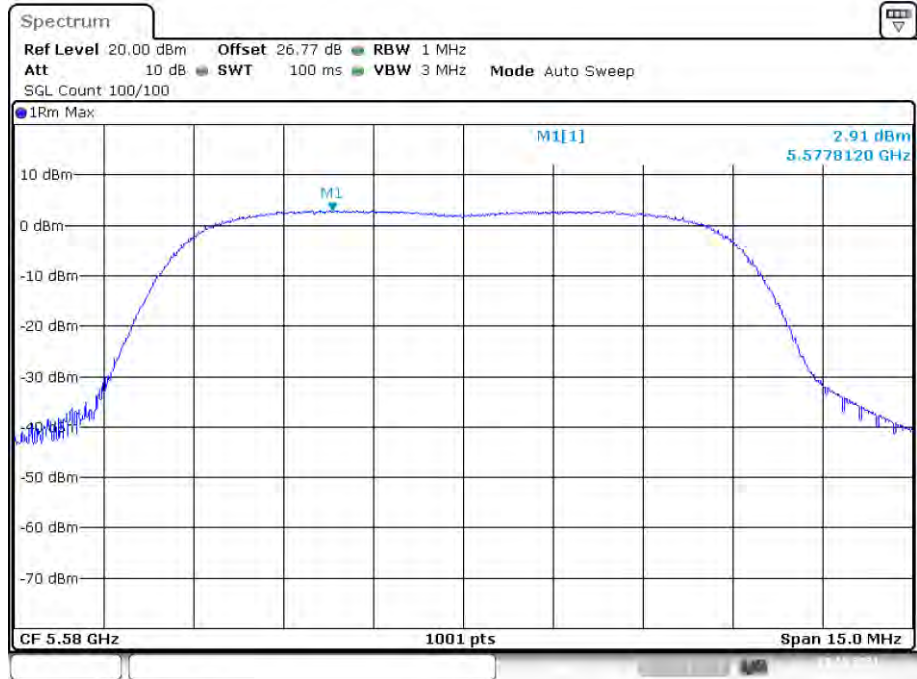
Band 3 (5470 - 5725 MHz)

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a10	5495	Ant1	3.342	4	Pass
NVNT	a10	5580	Ant1	2.91	4	Pass
NVNT	a10	5705	Ant1	3.001	4	Pass
NVNT	a20	5500	Ant1	2.948	4	Pass
NVNT	a20	5580	Ant1	3.749	4	Pass
NVNT	a20	5700	Ant1	3.367	4	Pass
NVNT	n10	5495	Ant1	3.541	4	Pass
NVNT	n10	5580	Ant1	3.318	4	Pass
NVNT	n10	5705	Ant1	3.92	4	Pass
NVNT	n20	5500	Ant1	3.036	4	Pass
NVNT	n20	5580	Ant1	3.959	4	Pass
NVNT	n20	5700	Ant1	3.194	4	Pass
NVNT	n30	5505	Ant1	3.114	4	Pass
NVNT	n30	5695	Ant1	3.853	4	Pass

PSD NVNT a10 5495MHz Ant1

Date: 13.OCT.2021 06:23:17

PSD NVNT a10 5580MHz Ant1



Date: 13.OCT.2021 06:34:24

PSD NVNT a10 5705MHz Ant1



Date: 13.OCT.2021 06:46:42

PSD NVNT a20 5500MHz Ant1



Date: 13.OCT.2021 09:11:34

PSD NVNT a20 5580MHz Ant1



Date: 13.OCT.2021 09:17:41

PSD NVNT a20 5700MHz Ant1



Date: 13.OCT.2021 09:22:30

PSD NVNT n10 5495MHz Ant1



Date: 13.OCT.2021 07:04:36

PSD NVNT n10 5580MHz Ant1



Date: 13.OCT.2021 07:11:57

PSD NVNT n10 5705MHz Ant1



Date: 13.OCT.2021 09:04:31

PSD NVNT n20 5500MHz Ant1



Date: 13.OCT.2021 09:29:30

PSD NVNT n20 5580MHz Ant1



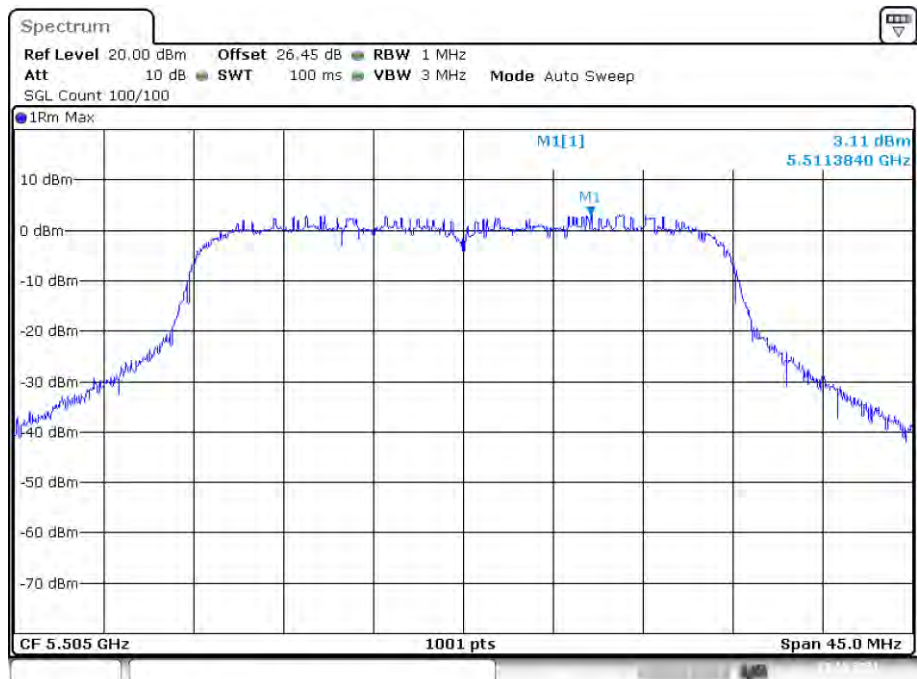
Date: 13.OCT.2021 09:37:05

PSD NVNT n20 5700MHz Ant1



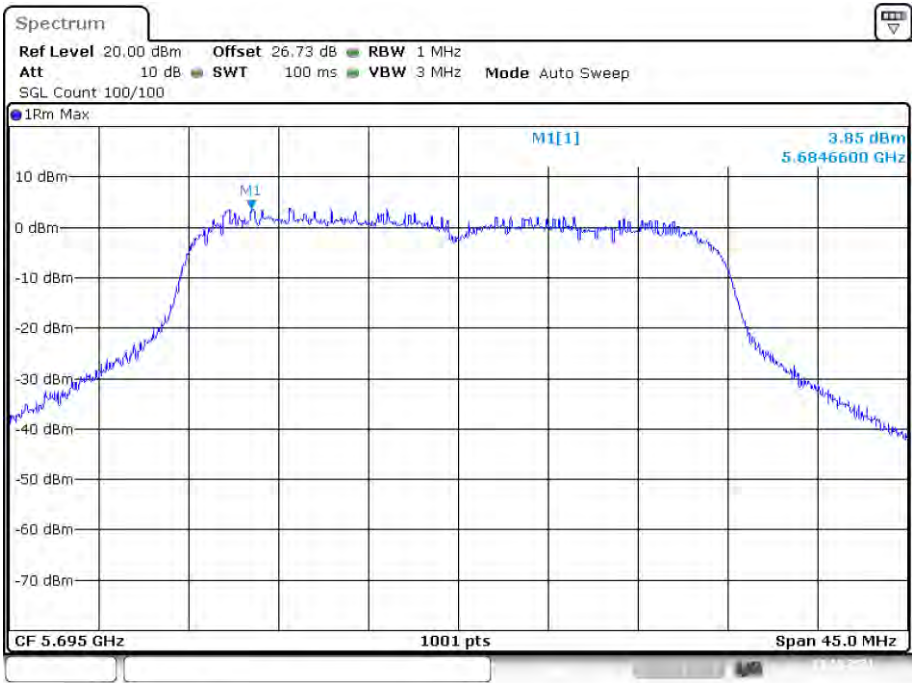
Date: 13.OCT.2021 09:46:45

PSD NVNT n30 5505MHz Ant1



Date: 13.OCT.2021 09:56:44

PSD NVNT n30 5695MHz Ant1



Date: 13.OCT.2021 10:07:02

Band 4 (5725 - 5850 MHz)

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	a10	5740	Ant1	12.945	13	Pass
NVNT	a10	5785	Ant1	12.435	13	Pass
NVNT	a10	5830	Ant1	11.873	13	Pass
NVNT	a20	5745	Ant1	12.323	13	Pass
NVNT	a20	5785	Ant1	11.433	13	Pass
NVNT	a20	5825	Ant1	12.198	13	Pass
NVNT	n10	5740	Ant1	12.699	13	Pass
NVNT	n10	5785	Ant1	12.751	13	Pass
NVNT	n10	5830	Ant1	12.81	13	Pass
NVNT	n20	5745	Ant1	11.891	13	Pass
NVNT	n20	5785	Ant1	12.535	13	Pass
NVNT	n20	5825	Ant1	11.698	13	Pass
NVNT	n30	5750	Ant1	12.146	13	Pass
NVNT	n30	5800	Ant1	11.711	13	Pass
NVNT	n30	5820	Ant1	12.050	13	Pass

PSD NVNT a10 5740MHz Ant1

Date: 13.OCT.2021 10:29:28

PSD NVNT a10 5785MHz Ant1



Date: 13.OCT.2021 10:56:44

PSD NVNT a10 5830MHz Ant1



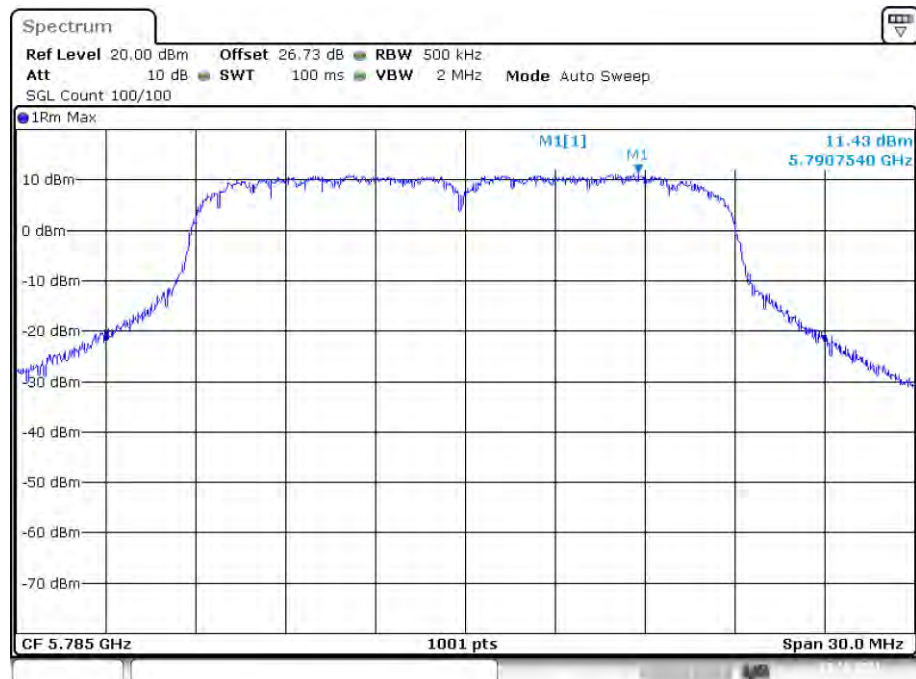
Date: 13.OCT.2021 11:09:01

PSD NVNT a20 5745MHz Ant1



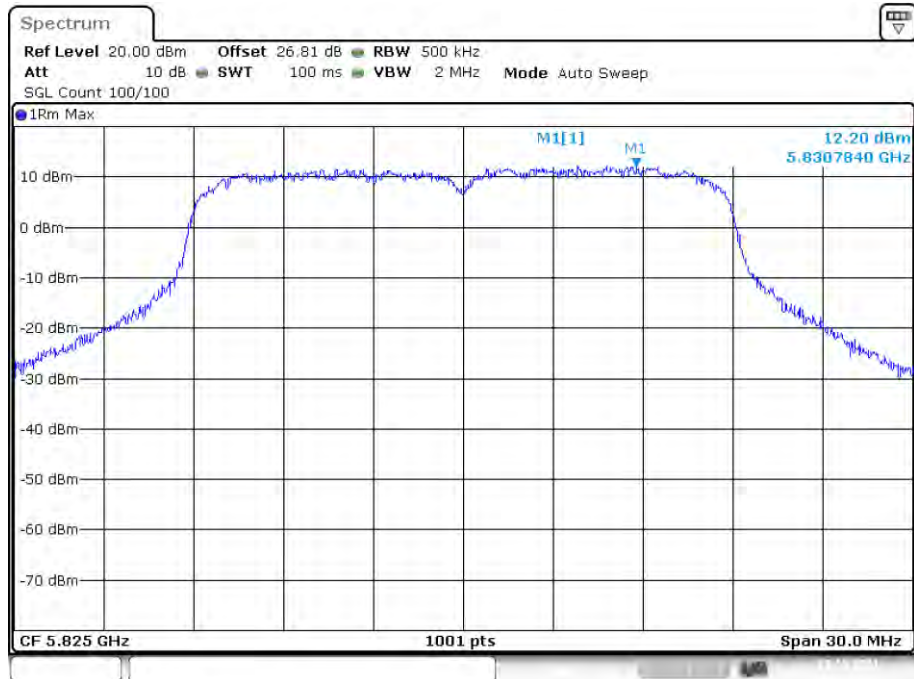
Date: 13.OCT.2021 11:52:29

PSD NVNT a20 5785MHz Ant1



Date: 13.OCT.2021 11:57:02

PSD NVNT a20 5825MHz Ant1



Date: 13.OCT.2021 12:04:44

PSD NVNT n10 5740MHz Ant1



Date: 13.OCT.2021 11:19:20

PSD NVNT n10 5785MHz Ant1



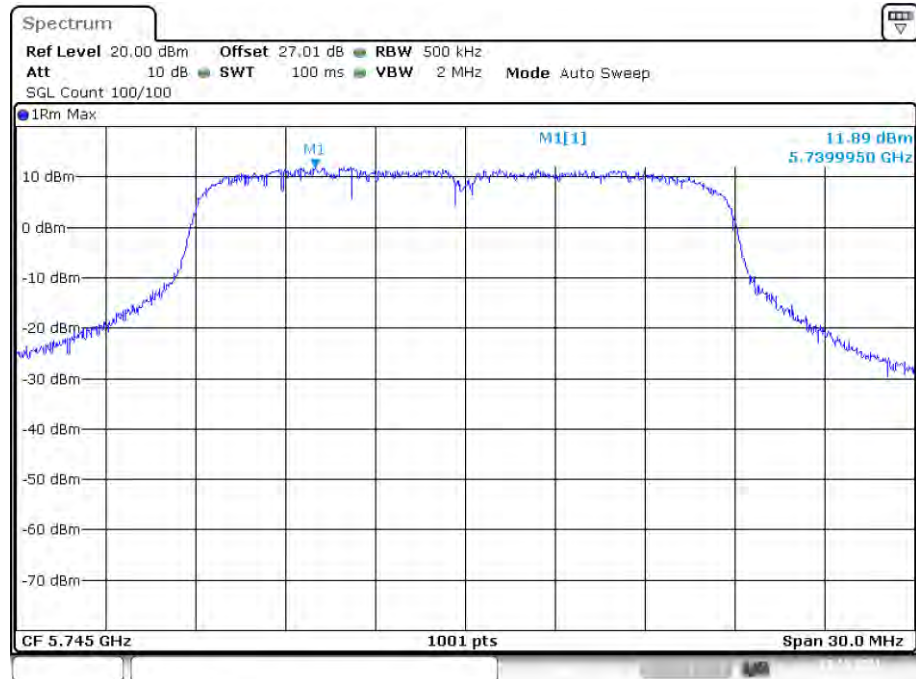
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PSD NVNT n10 5830MHz Ant1



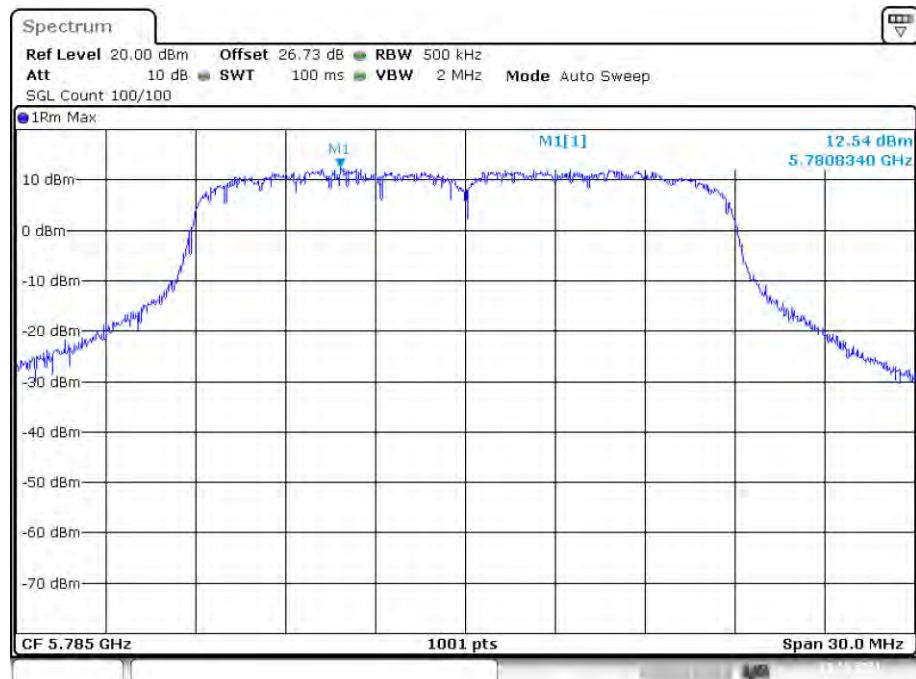
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PSD NVNT n20 5745MHz Ant1



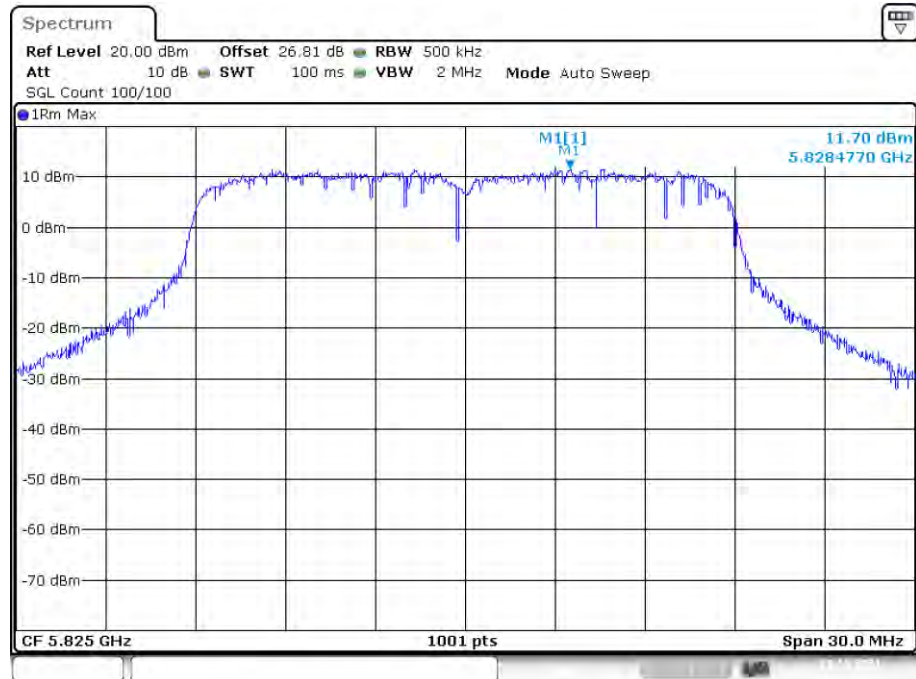
Date: 13.OCT.2021 12:16:10

PSD NVNT n20 5785MHz Ant1



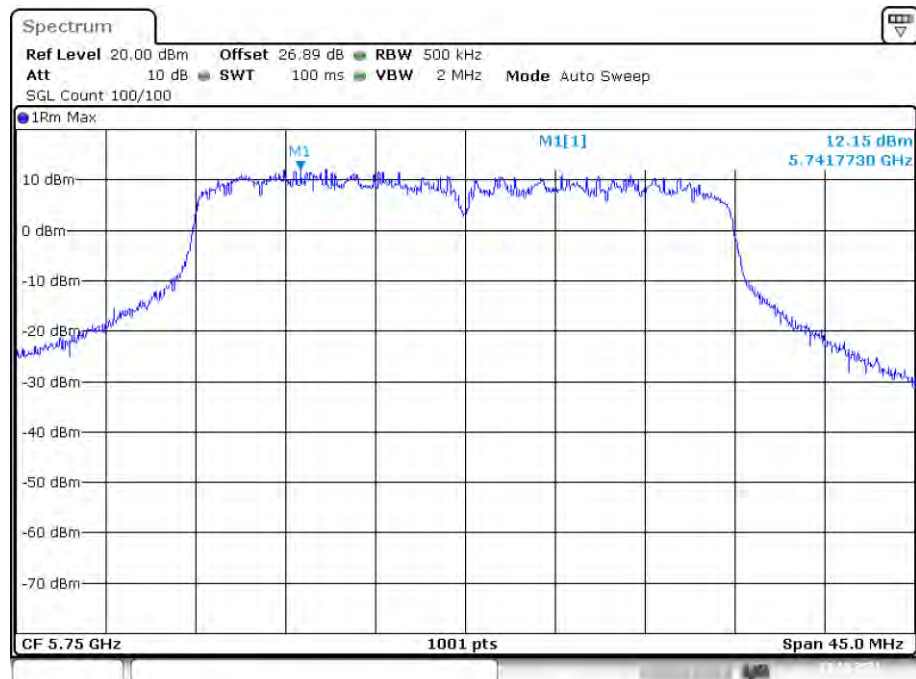
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PSD NVNT n20 5825MHz Ant1



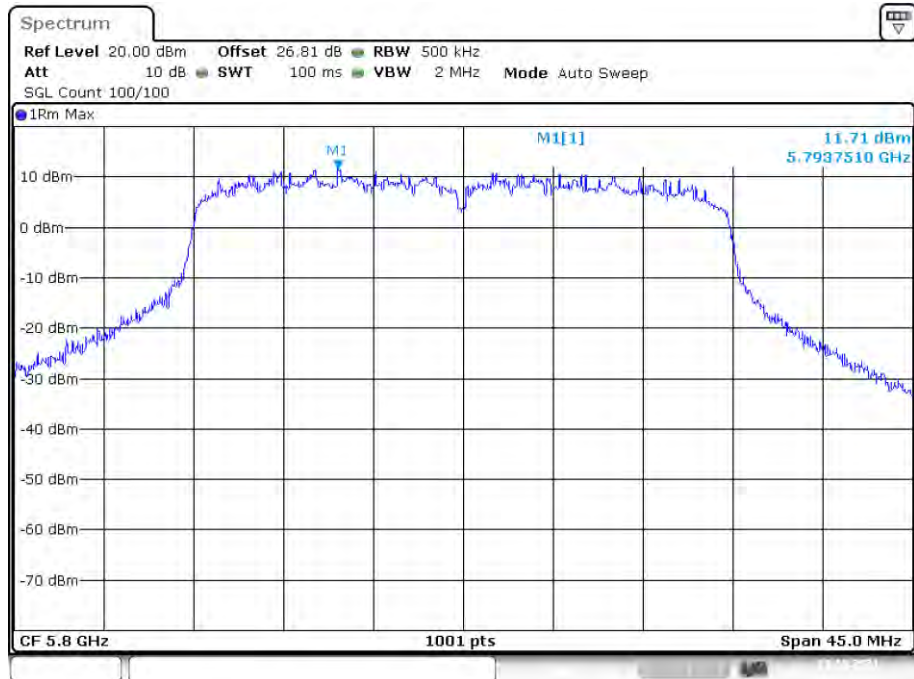
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PSD NVNT n30 5750MHz Ant1



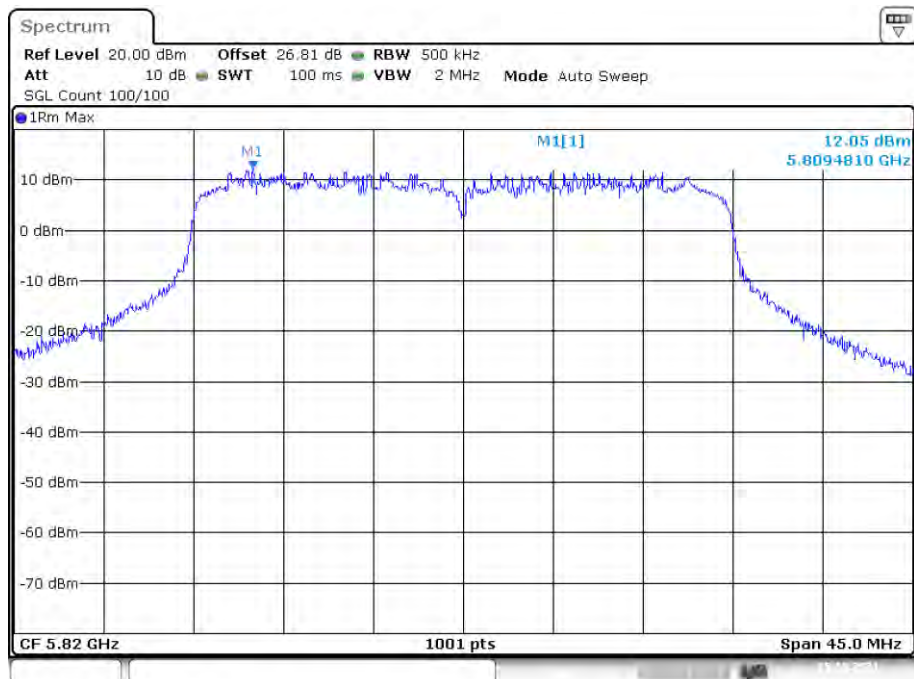
Date: 13.OCT.2021 12:40:36

PSD NVNT n30 5800MHz Ant1



Date: 13.OCT.2021 12:53:56

PSD NVNT n30 5820MHz Ant1



Date: 15.OCT.2021 10:58:03